

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059662.D
 Acq On : 18 Dec 2019 20:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/19/2019 11:12:24 AM

Quant Time: Dec 19 06:11:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	338974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	146628	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
35) Dibromofluoromethane	7.57	113	102999	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.08	98	609001	76.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.62%	
62) 4-Bromofluorobenzene	12.40	95	162205	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	135064	52.484	ug/l	99
3) Chloromethane	2.04	50	215193	52.694	ug/l	100
4) Vinyl Chloride	2.17	62	188096	48.570	ug/l	99
5) Bromomethane	2.53	94	126402	56.146	ug/l	97
6) Chloroethane	2.67	64	133483	61.329	ug/l	100
7) Trichlorofluoromethane	2.99	101	250907	59.051	ug/l	99
8) Diethyl Ether	3.39	74	65926	49.658	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	101736	47.512	ug/l	98
10) Methyl Iodide	3.92	142	133947	47.252	ug/l	99
11) Tert butyl alcohol	4.76	59	122836	231.206	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	101296	48.494	ug/l	97
13) Acrolein	3.58	56	70188	185.461	ug/l	98
14) Allyl chloride	4.29	41	202987	47.338	ug/l	98
15) Acrylonitrile	4.95	53	335985	261.445	ug/l	99
16) Acetone	3.79	43	302439	175.783	ug/l	98
17) Carbon Disulfide	4.02	76	307183	42.801	ug/l	99
18) Methyl Acetate	4.29	43	182011	50.485	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	383059	51.939	ug/l	99
20) Methylene Chloride	4.52	84	120670	48.562	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	113183	48.606	ug/l	98
22) Diisopropyl ether	5.92	45	429723	54.358	ug/l	99
23) Vinyl Acetate	5.86	43	1842965	297.066	ug/l	99
24) 1,1-Dichloroethane	5.82	63	238341	53.223	ug/l	99
25) 2-Butanone	6.81	43	494975	240.581	ug/l	98
26) 2,2-Dichloropropane	6.80	77	198743	48.832	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	133356	51.682	ug/l	98
28) Bromochloromethane	7.17	49	98033	52.078	ug/l	98
29) Tetrahydrofuran	7.18	42	336185	268.186	ug/l	99
30) Chloroform	7.35	83	241852	54.868	ug/l	100
31) Cyclohexane	7.63	56	209937	49.615	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	201462	50.695	ug/l	99
36) 1,1-Dichloropropene	7.77	75	180095	53.603	ug/l	100
37) Ethyl Acetate	6.90	43	211147	54.071	ug/l	100
38) Carbon Tetrachloride	7.75	117	179372	51.449	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	201864	52.969	ug/l	98
40) Benzene	8.02	78	515039	52.455	ug/l	99
41) Methacrylonitrile	7.15	41	89276m	55.396	ug/l	
42) 1,2-Dichloroethane	8.10	62	201466	53.579	ug/l	100
43) Isopropyl Acetate	8.14	43	342248	56.372	ug/l	99
44) Trichloroethene	8.82	130	129367	50.302	ug/l	99
45) 1,2-Dichloropropane	9.10	63	140677	53.057	ug/l	99
46) Dibromomethane	9.19	93	88718	51.074	ug/l	97
47) Bromodichloromethane	9.39	83	186548	53.865	ug/l	100
48) Methyl methacrylate	9.18	41	147200	53.440	ug/l	99
49) 1,4-Dioxane	9.19	88	36472	923.959	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1413939	390.613	ug/l	97
52) Toluene	10.14	92	469835	77.879	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	303854	75.862	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	227868	54.122	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	181746	76.772	ug/l	99
56) Ethyl methacrylate	10.42	69	299152	85.121	ug/l #	89
57) 1,3-Dichloropropane	10.70	76	271800	65.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	359018	321.205	ug/l	98
59) 2-Hexanone	10.74	43	860726	301.704	ug/l	99
60) Dibromochloromethane	10.90	129	146289	56.619	ug/l	99
61) 1,2-Dibromoethane	11.00	107	169316	67.438	ug/l	99
64) Tetrachloroethene	10.62	164	164364	52.015	ug/l	98
65) Chlorobenzene	11.43	112	359350	48.994	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	140165	50.312	ug/l	100
67) Ethyl Benzene	11.50	91	674211	50.925	ug/l	100
68) m/p-Xylenes	11.62	106	484839	99.173	ug/l	99
69) o-Xylene	11.94	106	230760	49.607	ug/l	99
70) Styrene	11.96	104	380545	50.917	ug/l	99
71) Bromoform	12.12	173	108299	51.714	ug/l #	98
73) Isopropylbenzene	12.25	105	628325	51.675	ug/l	100
74) N-amyl acetate	12.07	43	296472	53.156	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	198946	51.580	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	201853m	52.642	ug/l	
77) Bromobenzene	12.52	156	146831	49.104	ug/l	97
78) n-propylbenzene	12.59	91	756946	52.664	ug/l	100
79) 2-Chlorotoluene	12.67	91	440878	50.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	530041	51.512	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	77360	49.830	ug/l	98
82) 4-Chlorotoluene	12.77	91	450402	50.614	ug/l	99
83) tert-Butylbenzene	12.99	119	436969	50.146	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	539330	52.713	ug/l	99
85) sec-Butylbenzene	13.17	105	605087	52.202	ug/l	99
86) p-Isopropyltoluene	13.28	119	539758	51.414	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	260099	47.304	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258705	46.666	ug/l	99
89) n-Butylbenzene	13.61	91	502678	51.072	ug/l	100
90) Hexachloroethane	13.87	117	101675	51.237	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	254536	46.940	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46512	44.422	ug/l	99

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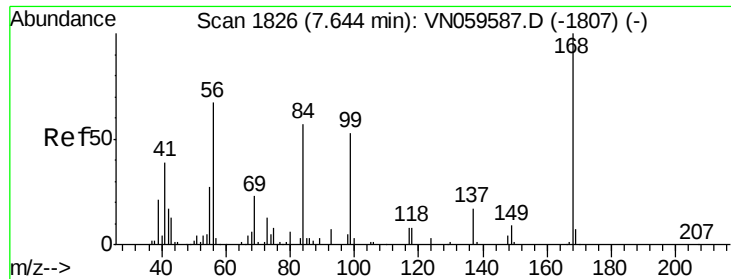
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162958	46.538	ug/l	99
94) Hexachlorobutadiene	15.00	225	79754	43.524	ug/l	98
95) Naphthalene	15.12	128	493181	47.179	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	166035	46.882	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199150

Ion Ratio Lower Upper

168 100

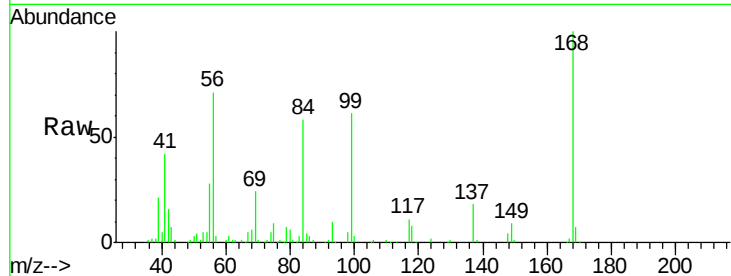
99 61.1 48.2 72.4

Manual Integrations

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12/19/2019 11:12:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

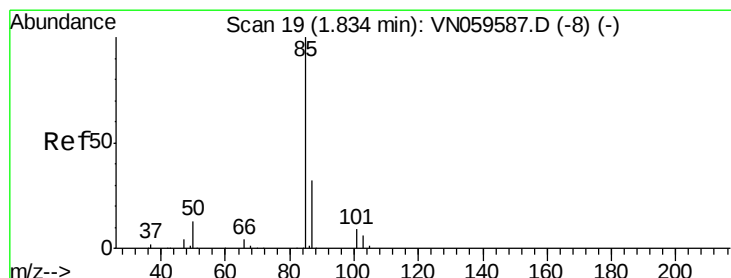
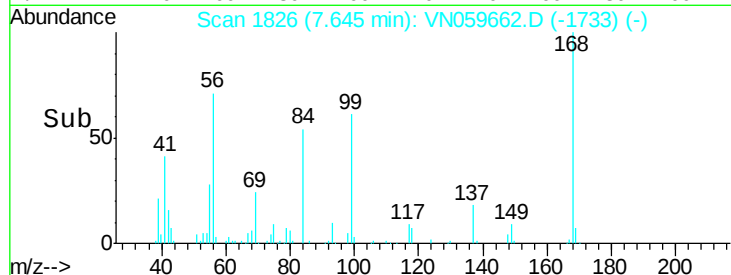
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.484 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059662.D

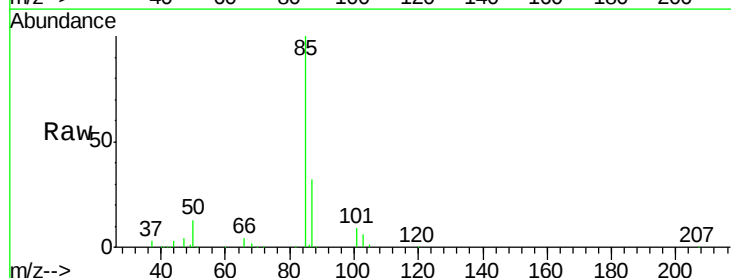
Acq: 18 Dec 2019 20:28

Tgt Ion: 85 Resp: 135064

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

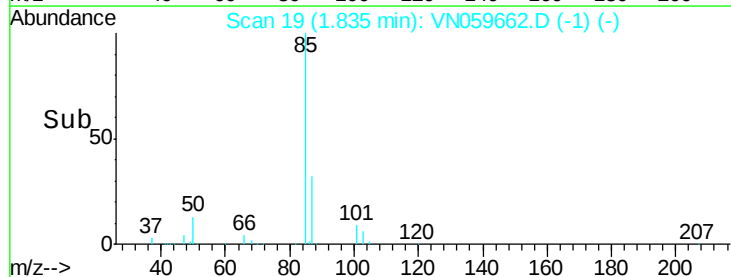
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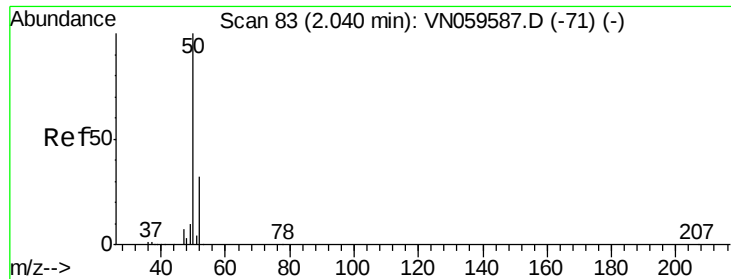
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.694 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 215193

Ion Ratio Lower Upper

50 100

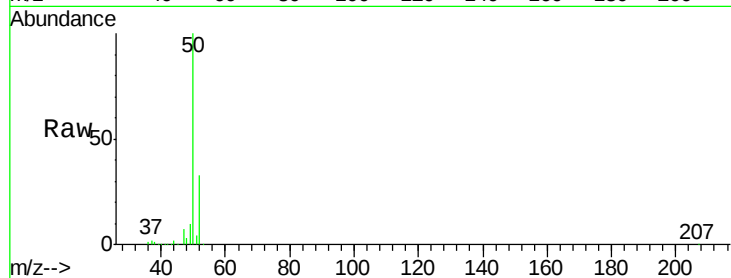
52 32.6 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

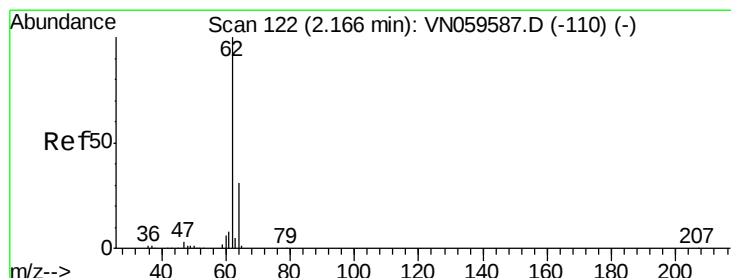
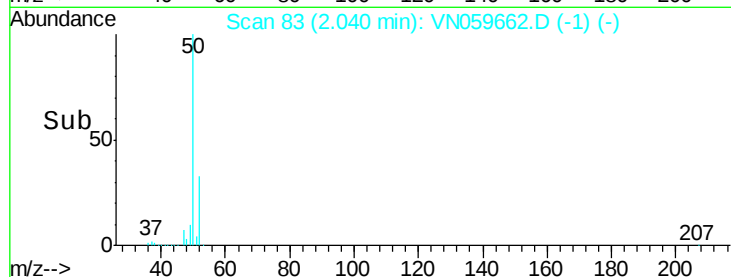
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.570 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059662.D

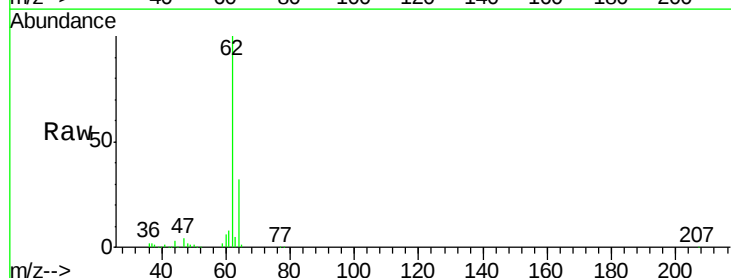
Acq: 18 Dec 2019 20:28

Tgt Ion: 62 Resp: 188096

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

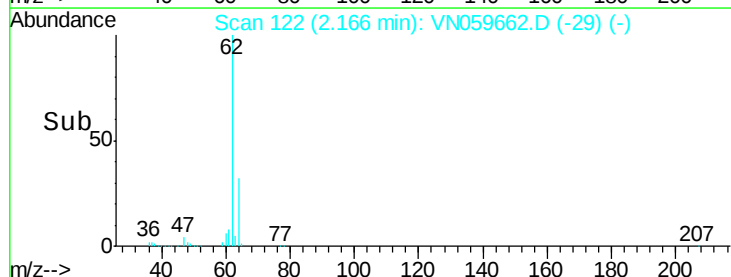
2.17

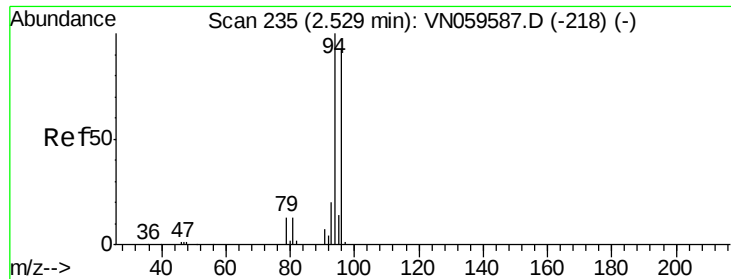
100000

50000

0

Time-->





#5

Bromomethane

Concen: 56.146 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 126402

Ion Ratio Lower Upper

94 100

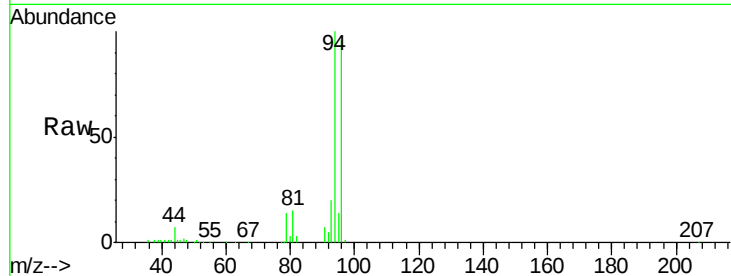
96 96.1 74.7 112.1

Manual Integrations

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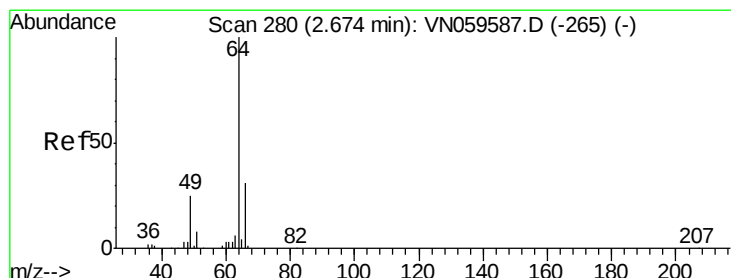
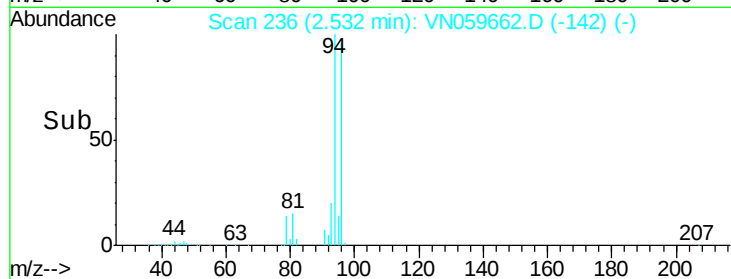
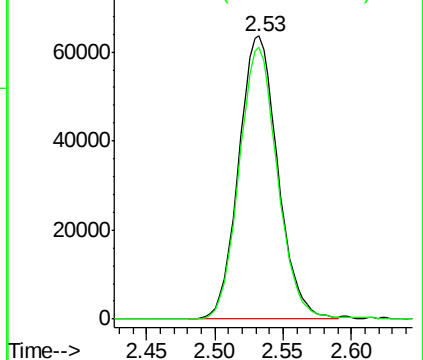
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 61.329 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059662.D

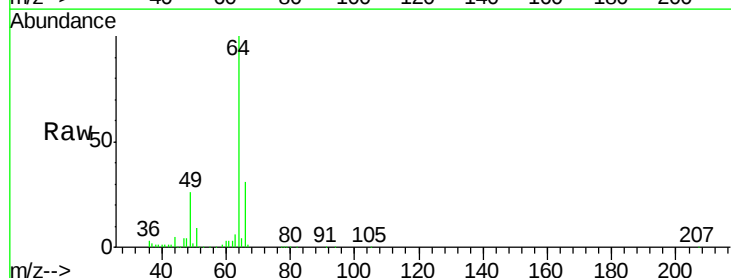
Acq: 18 Dec 2019 20:28

Tgt Ion: 64 Resp: 133483

Ion Ratio Lower Upper

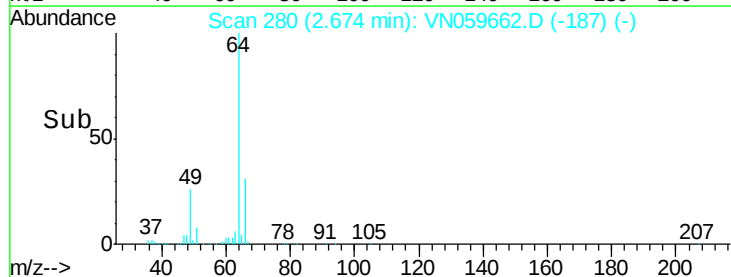
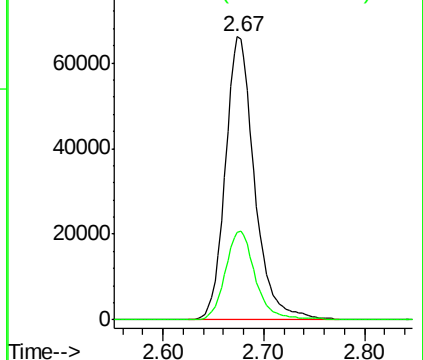
64 100

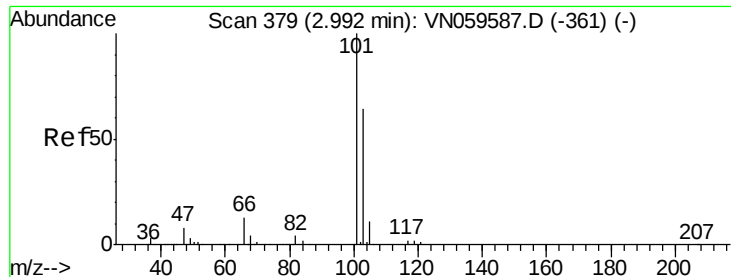
66 31.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

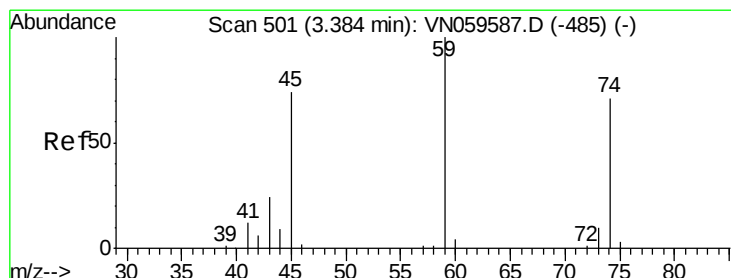
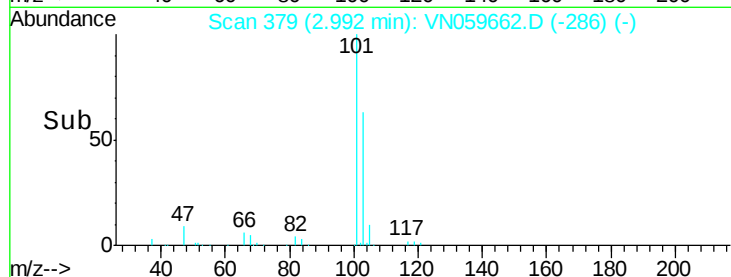
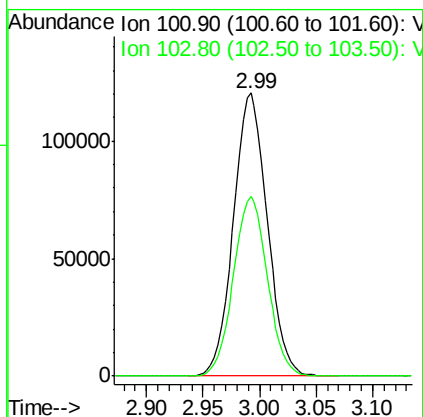
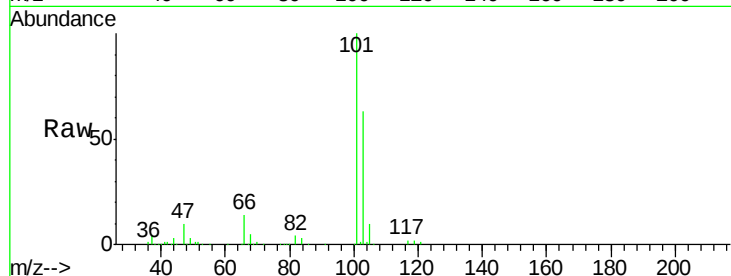
Trichlorofluoromethane
Concen: 59.051 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.0	76.6

Manual Integrations
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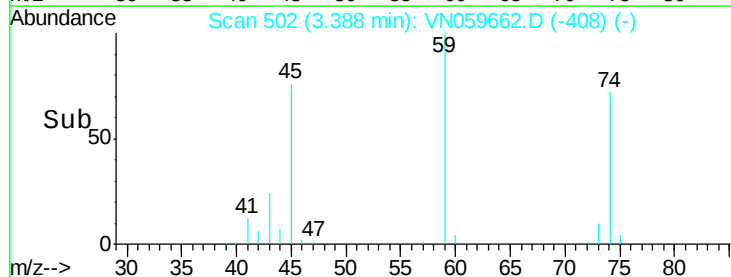
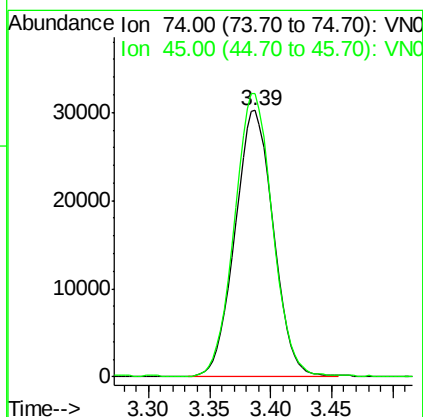
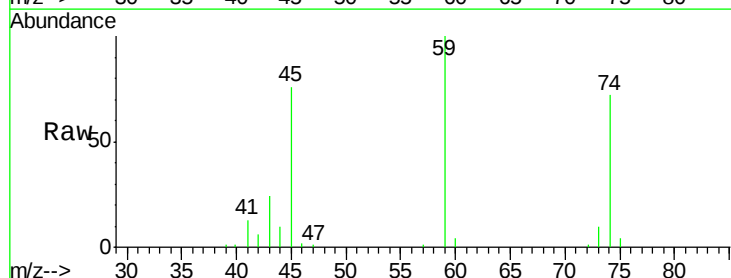
MMDadoda
12/19/2019 11:12:24 AM

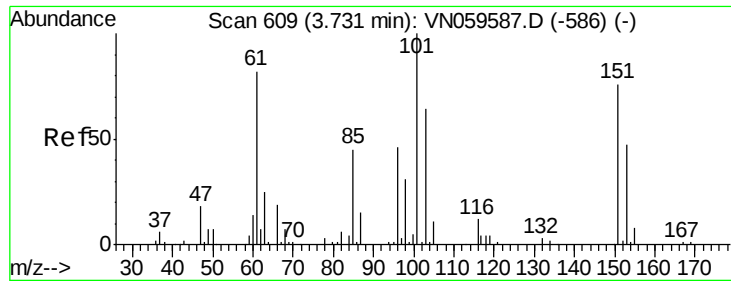


#8

Diethyl Ether
Concen: 49.658 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.9	155.8





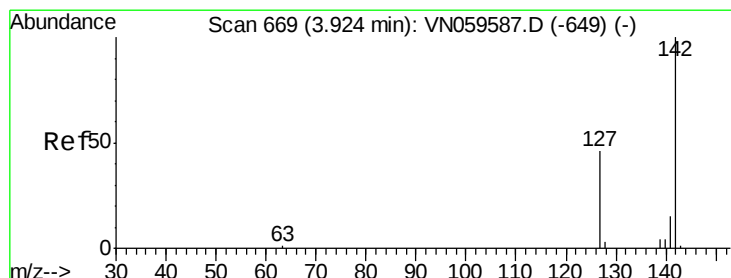
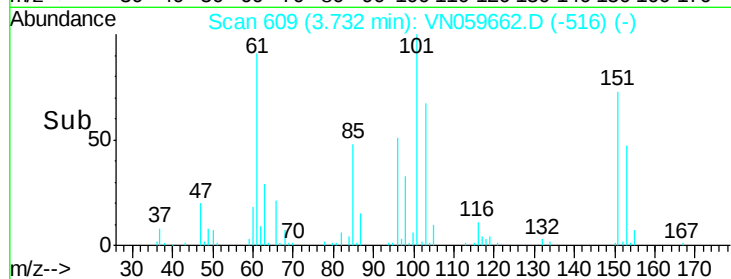
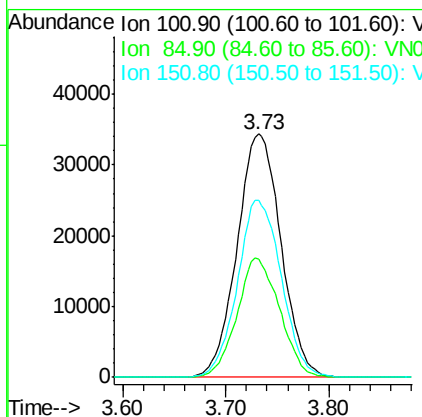
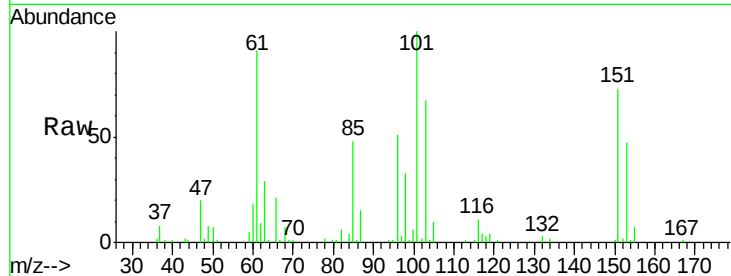
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.512 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.4	36.6	54.8
151	72.8	59.7	89.5

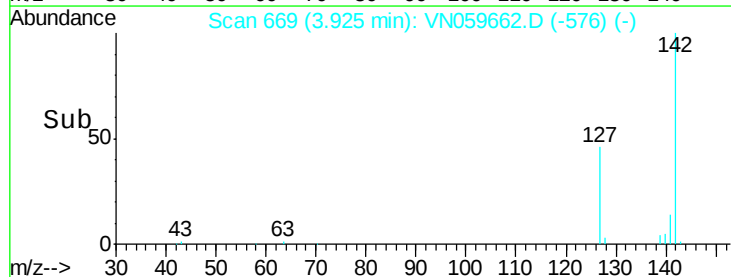
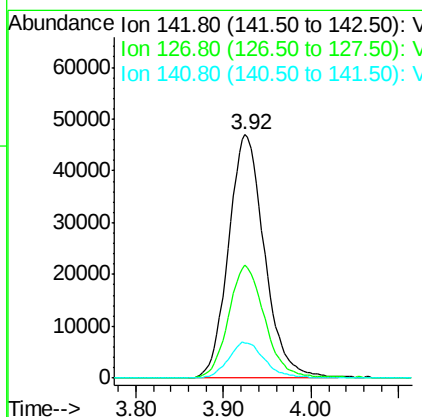
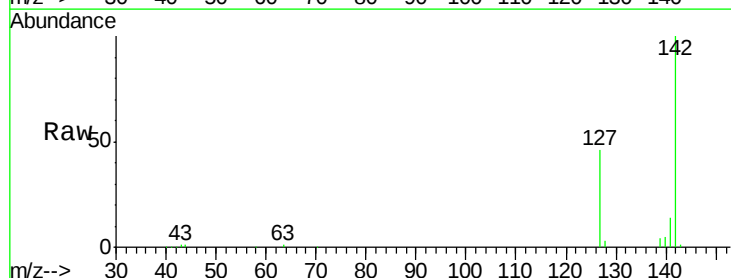
Manual Integrations
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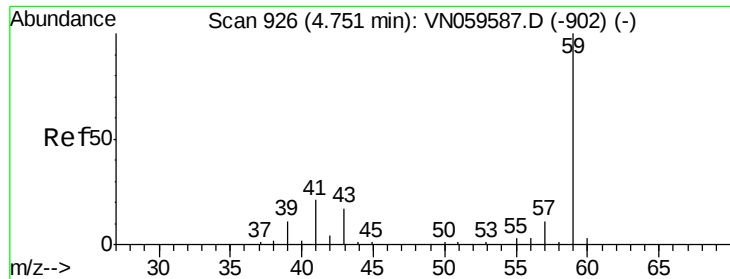
MMDadoda
12/19/2019 11:12:24 AM



#10
Methyl Iodide
Concen: 47.252 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.7	36.7	55.1
141	14.8	11.7	17.5





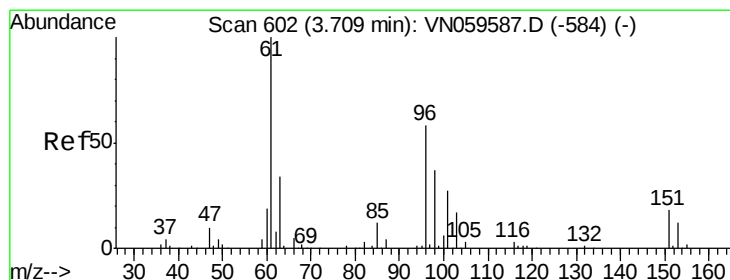
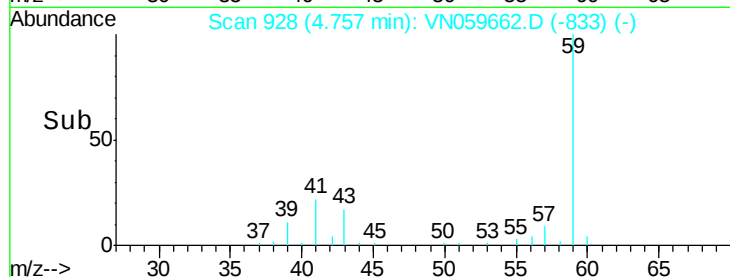
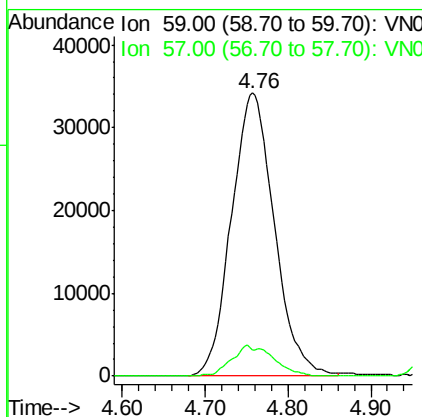
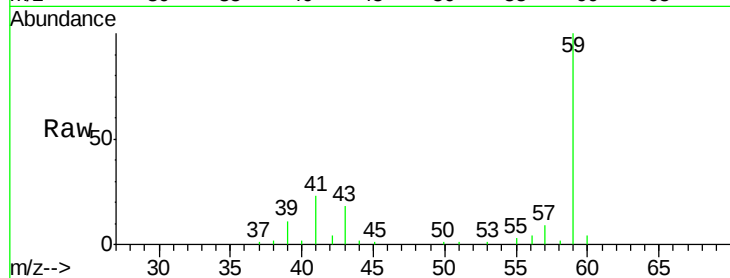
#11
Tert butyl alcohol
Concen: 231.206 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122836		
57	5.9	8.6	12.8#	

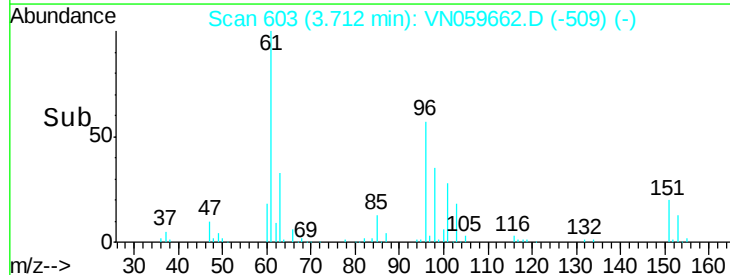
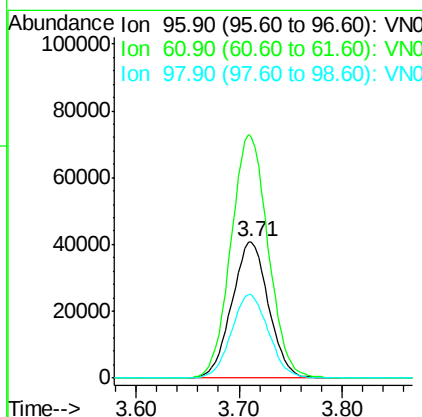
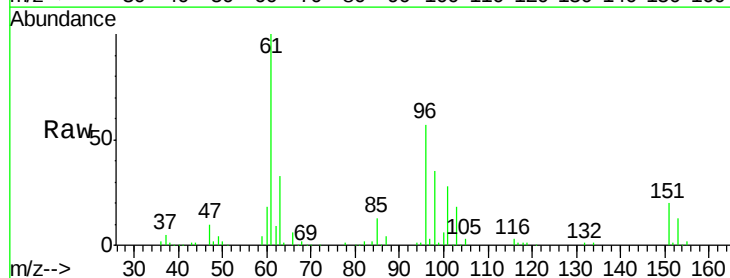
Manual Integrations
APPROVED

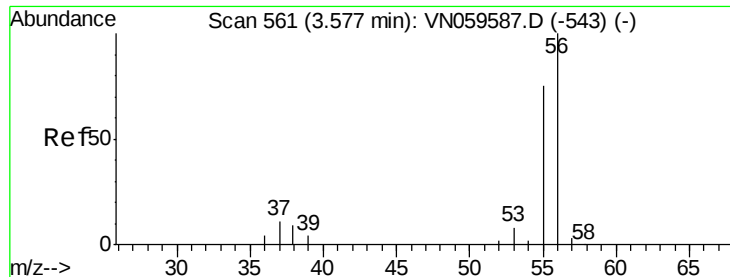
MMDadoda
12/19/2019 11:12:24 AM



#12
1,1-Dichloroethene
Concen: 48.494 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	101296		
61	176.8	137.5	206.3	
98	61.0	50.2	75.4	





#13

Acrolein

Concen: 185.461 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70188

Ion Ratio Lower Upper

56 100

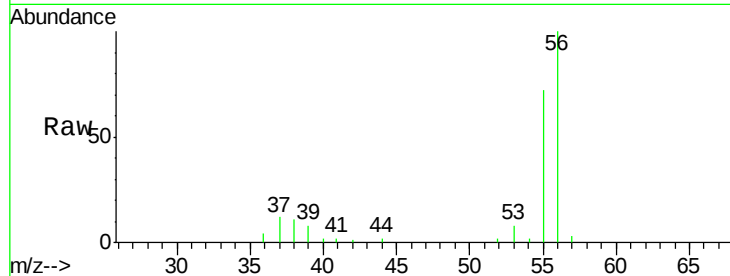
55 71.4 58.6 88.0

Manual Integrations

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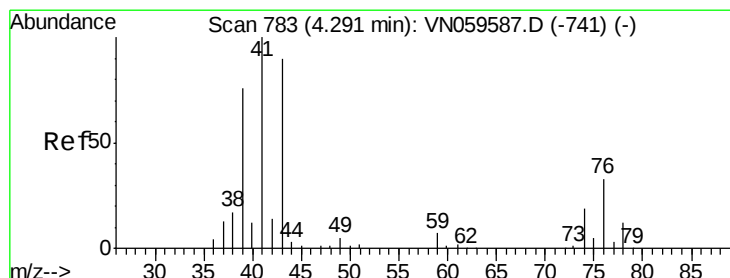
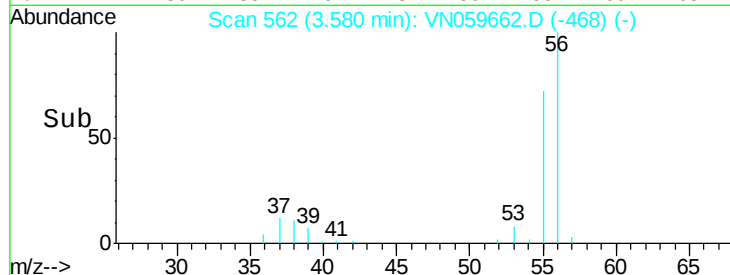
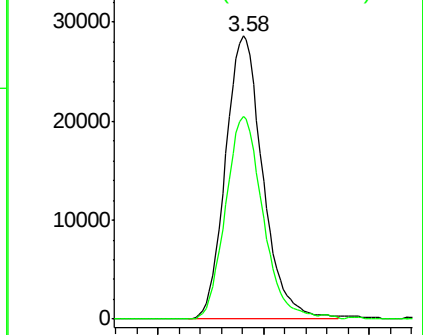
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.338 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

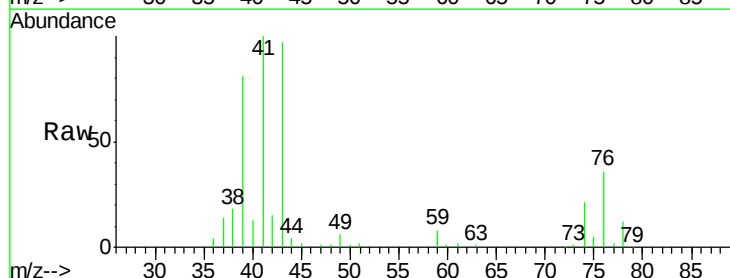
Tgt Ion: 41 Resp: 202987

Ion Ratio Lower Upper

41 100

39 74.9 57.8 86.8

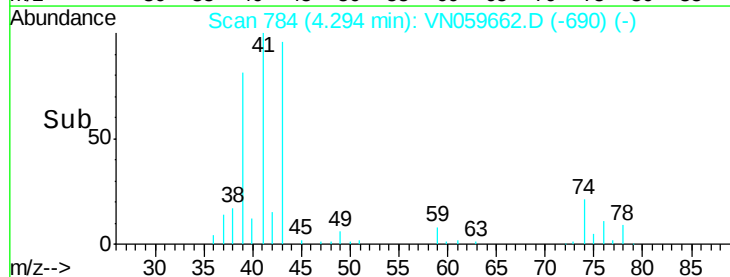
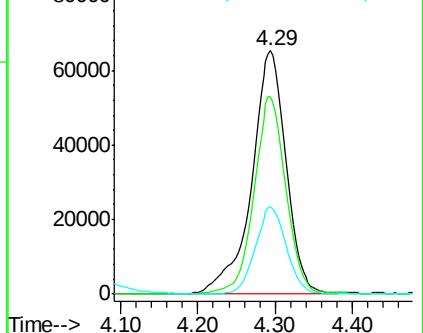
76 32.2 25.4 38.0

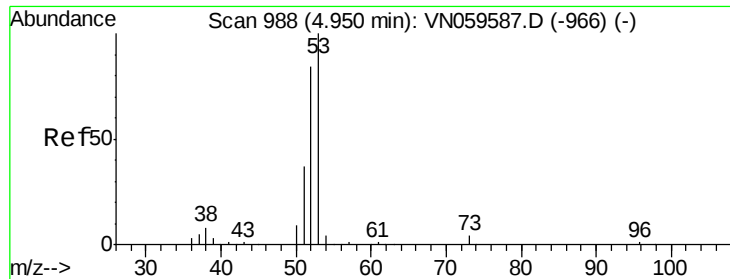


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 261.445 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

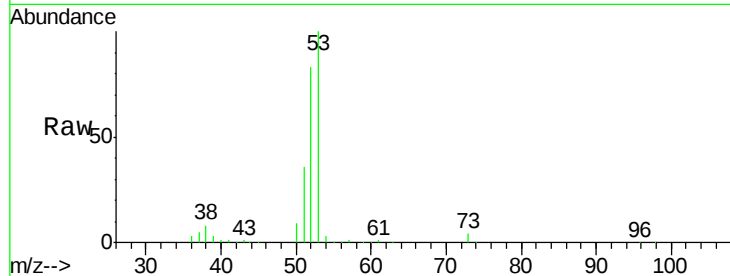
ClientSampleId :

VSTDCCC050EC

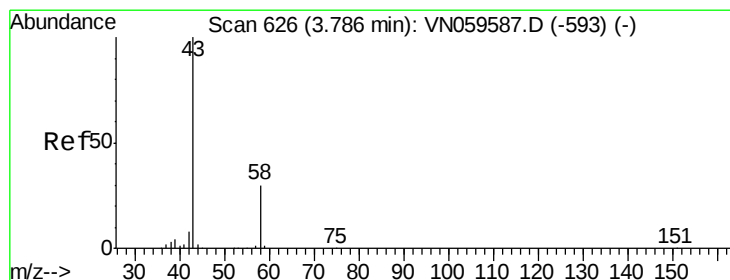
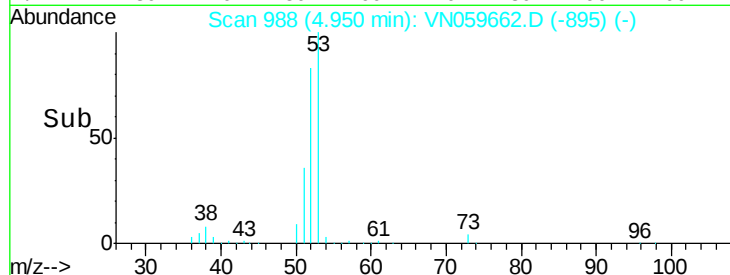
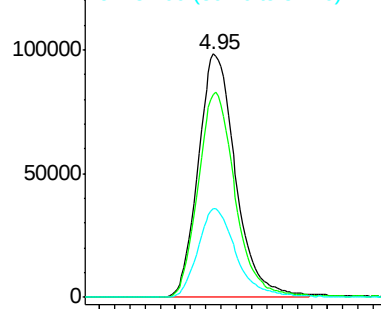
Tot Ion:	53	Resp:	335985
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.3	99.5
51	37.2	29.7	44.5

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 175.783 ug/l

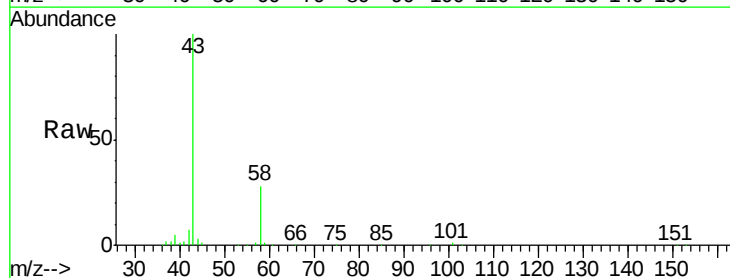
RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

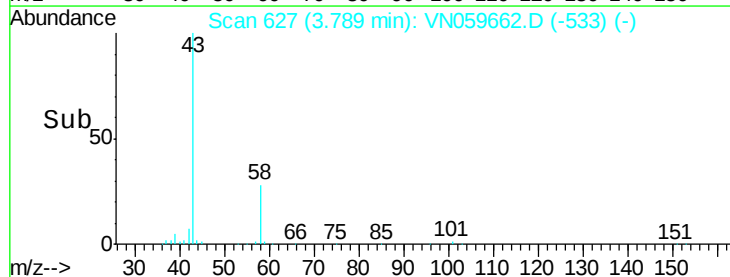
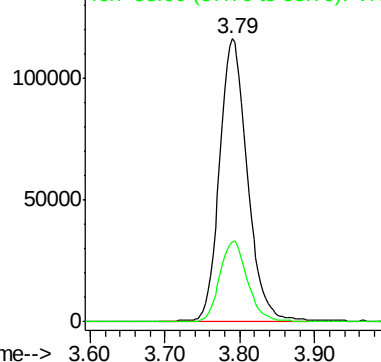
Lab File: VN059662.D

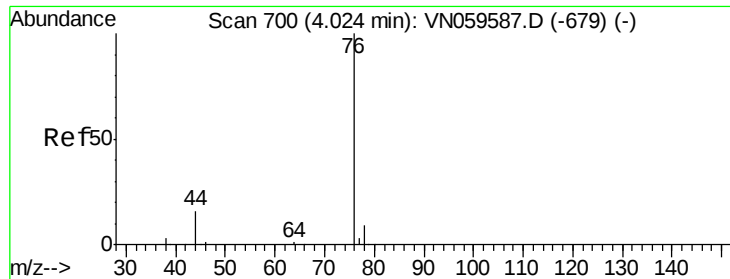
Acq: 18 Dec 2019 20:28

Tgt Ion:	43	Resp:	302439
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.6	35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)





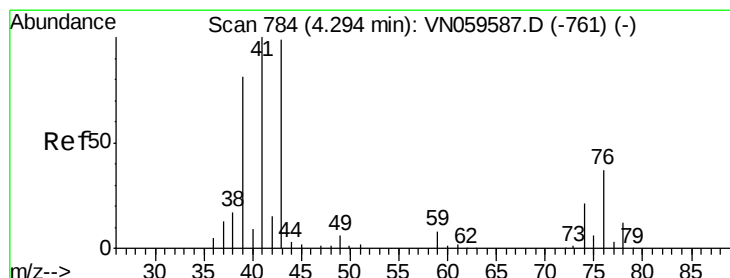
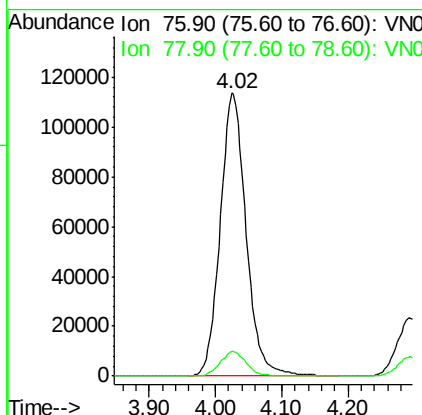
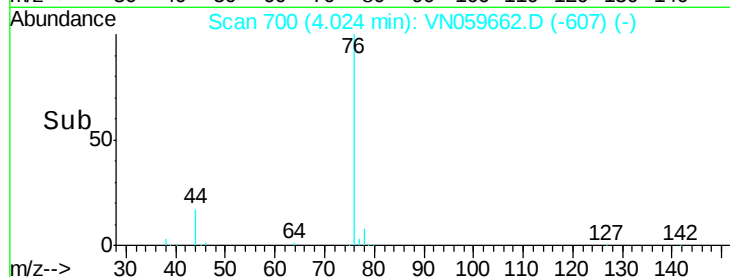
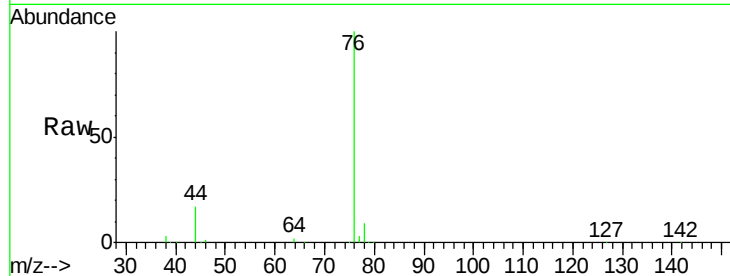
#17
Carbon Disulfide
Concen: 42.801 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 307183
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

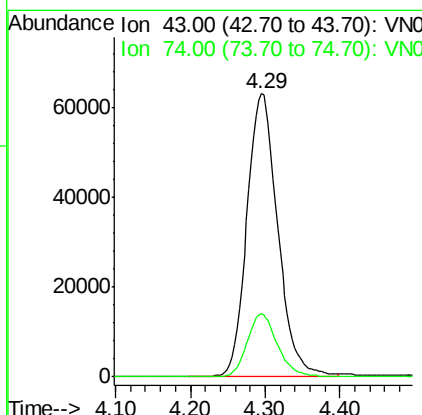
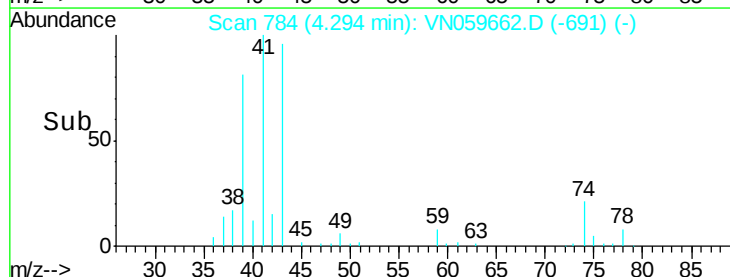
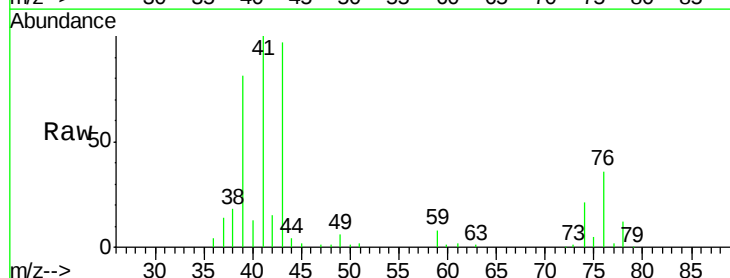
Manual Integrations
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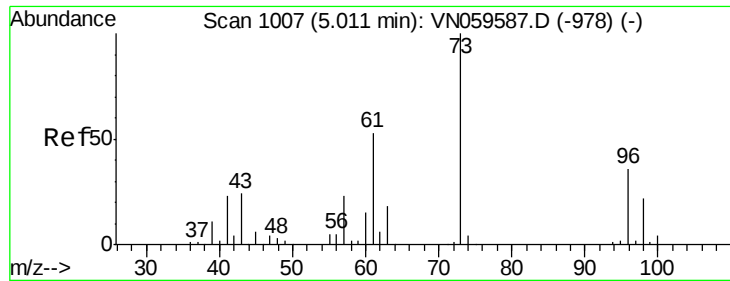
MMDadoda
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#18
Methyl Acetate
Concen: 50.485 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion: 43 Resp: 182011
Ion Ratio Lower Upper
43 100
74 21.7 17.5 26.3





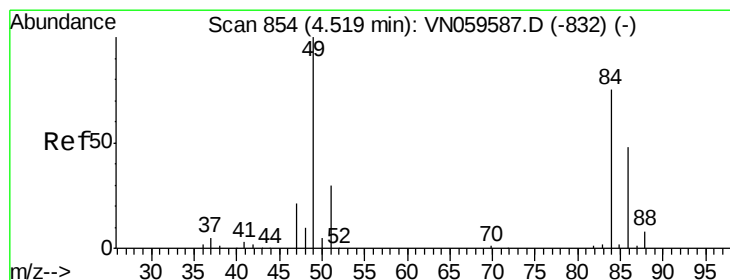
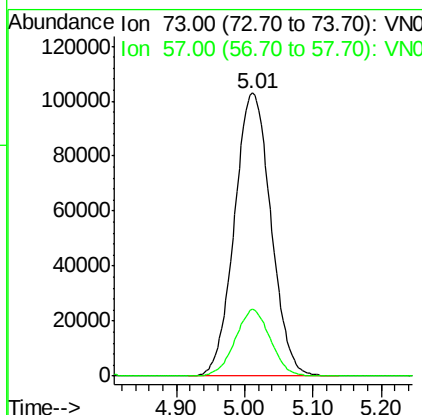
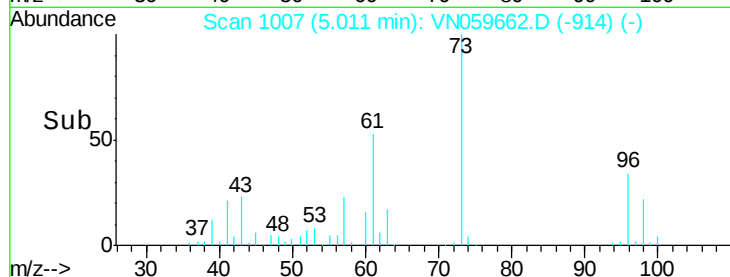
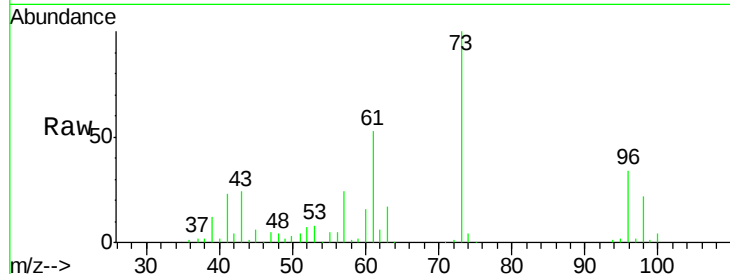
#19
Methvl tert-butvl Ether
Concen: 51.939 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 383059
Ion Ratio Lower Upper
73 100
57 23.7 18.6 27.8

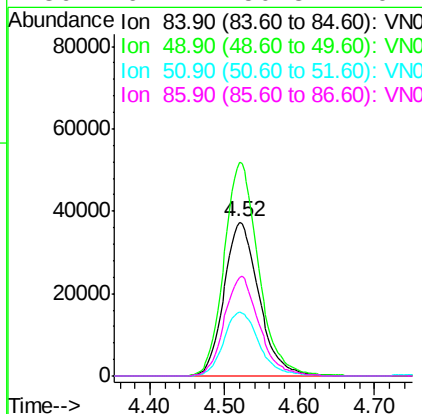
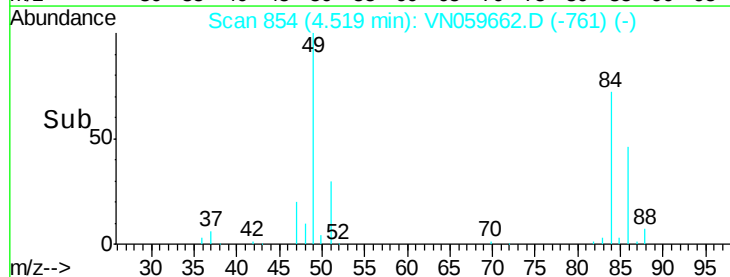
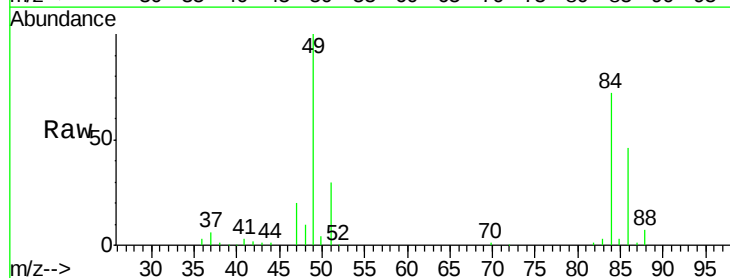
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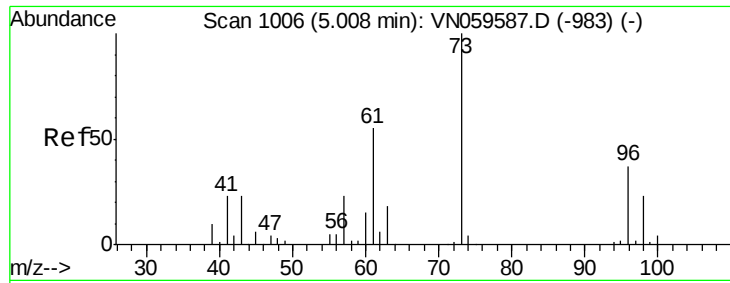
MMDadoda
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#20
Methylene Chloride
Concen: 48.562 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion: 84 Resp: 120670
Ion Ratio Lower Upper
84 100
49 138.5 106.6 160.0
51 41.3 31.9 47.9
86 64.2 50.8 76.2





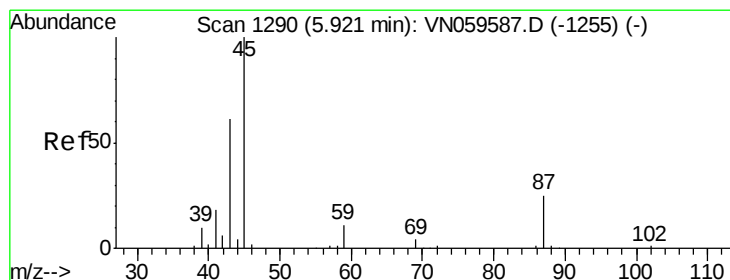
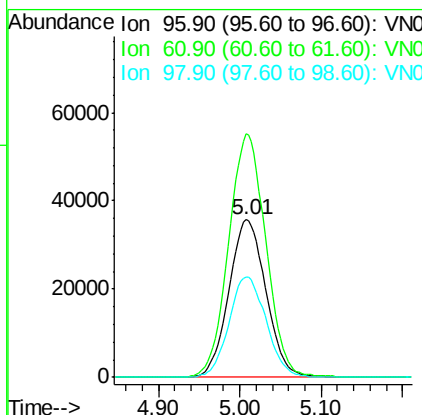
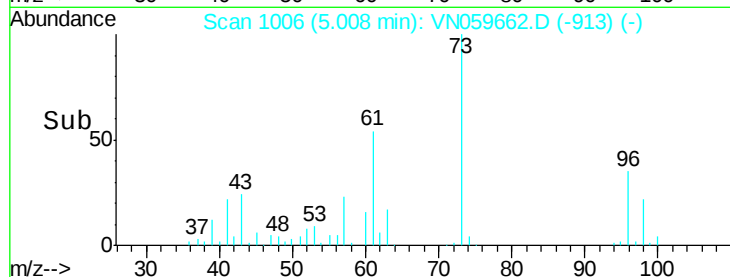
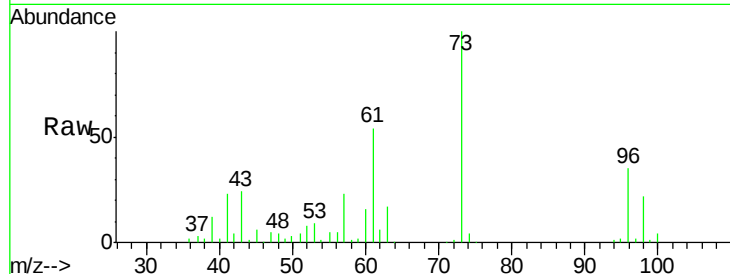
#21
trans-1,2-Dichloroethene
Concen: 48.606 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	120.4	180.6
98	63.7	50.6	75.8

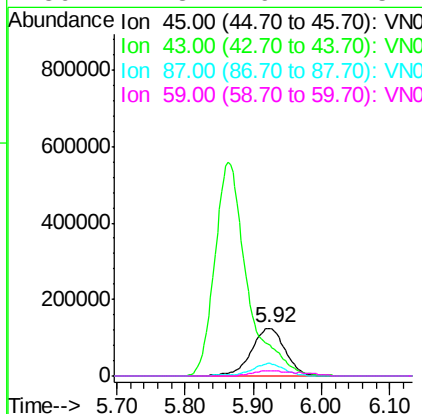
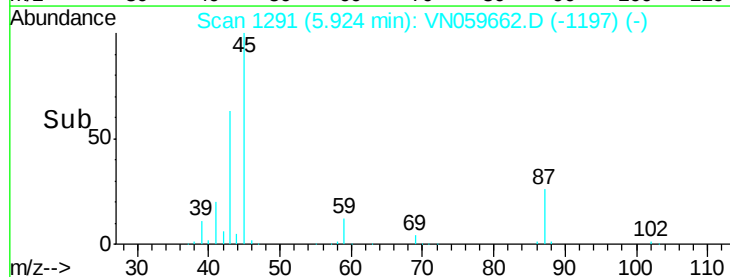
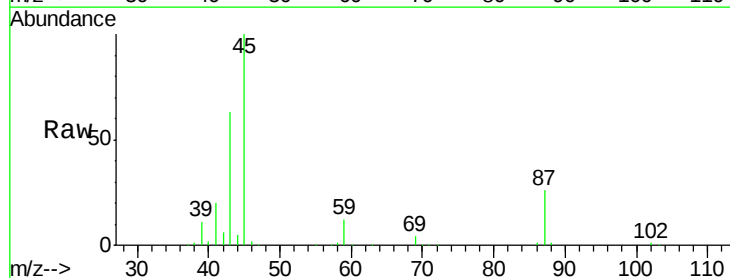
Manual Integrations
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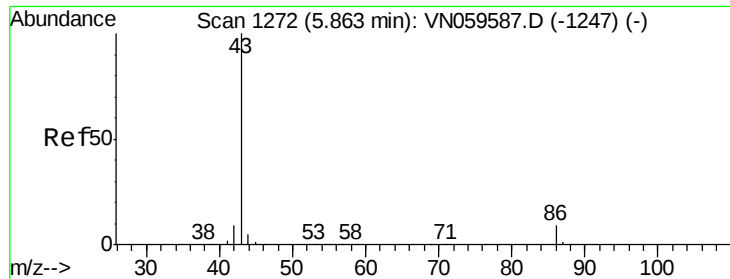
MMDadoda
12/19/2019 11:12:24 AM



#22
Diisopropyl ether
Concen: 54.358 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	50.8	76.2
87	25.9	21.0	31.6
59	11.3	9.1	13.7





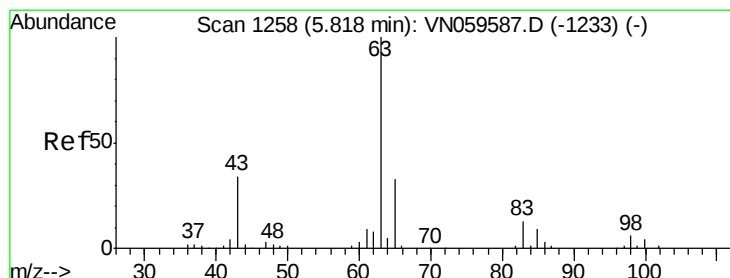
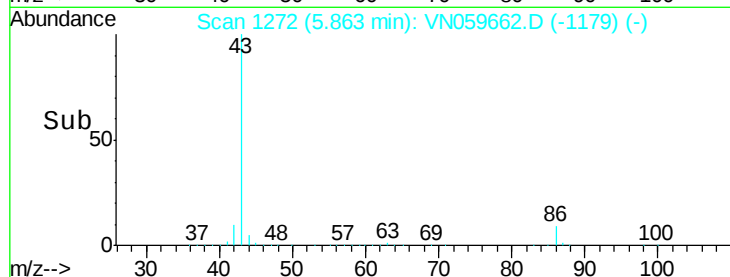
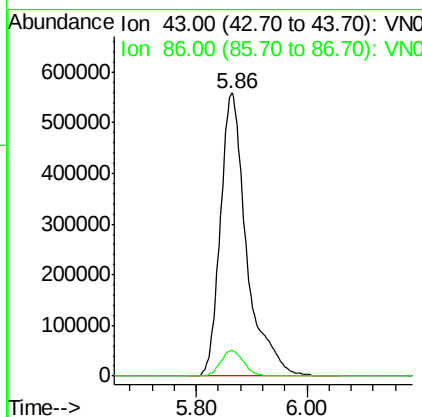
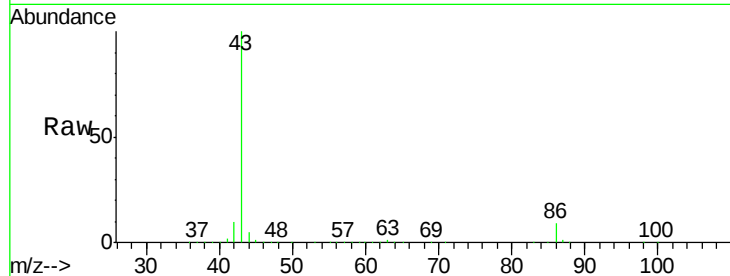
#23
 Vinyl Acetate
 Concen: 297.066 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1842965
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4

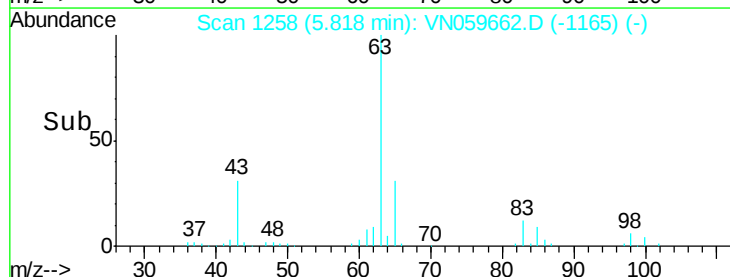
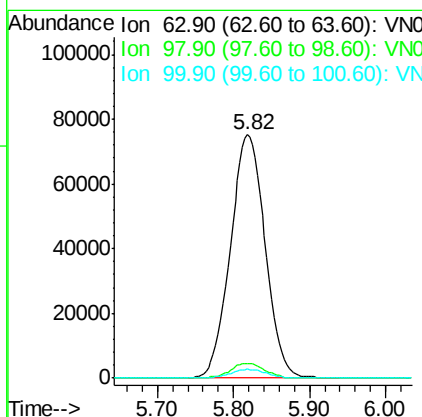
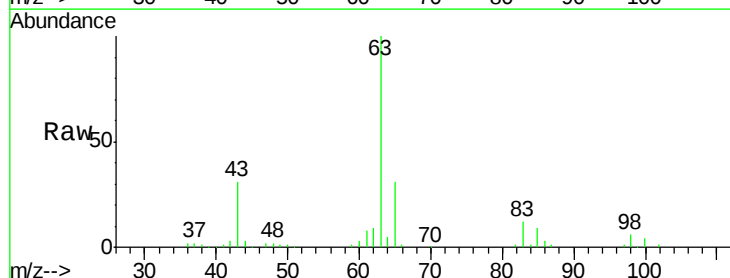
Manual Integrations
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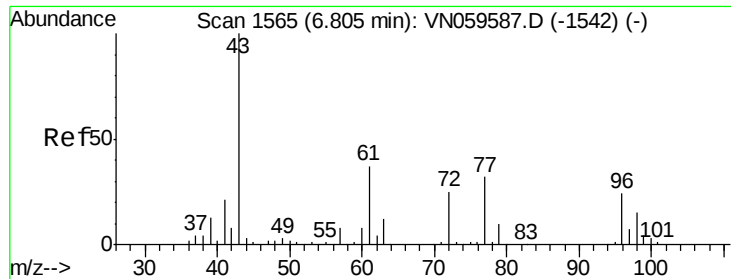
MMDadoda
 12/19/2019 11:12:24 AM



#24
 1,1-Dichloroethane
 Concen: 53.223 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion: 63 Resp: 238341
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 240.581 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tot Ion: 43 Resp: 494975

Ion Ratio Lower Upper

43 100

72 24.1 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

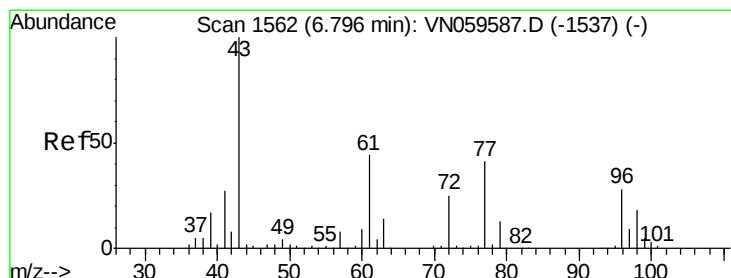
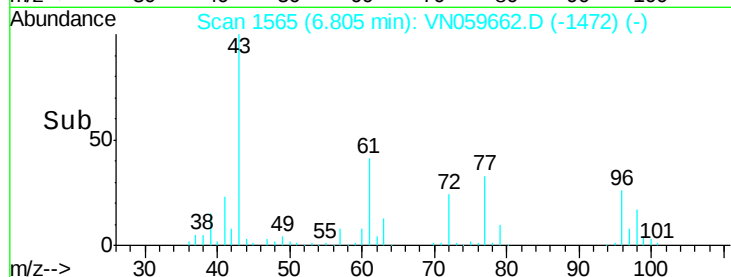
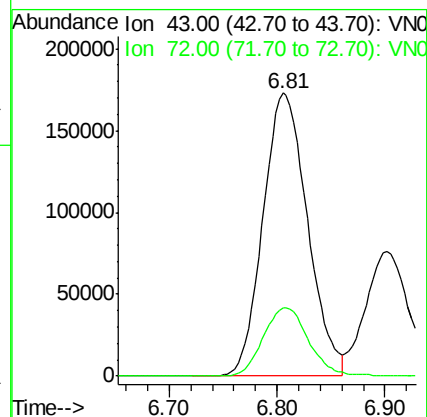
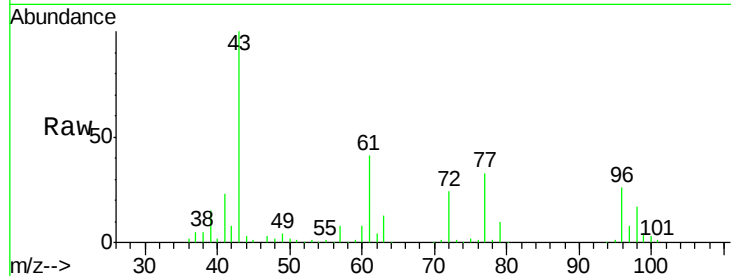
VSTDCCC050EC

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 48.832 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059662.D

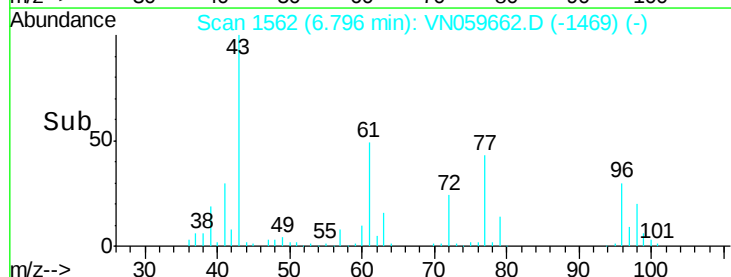
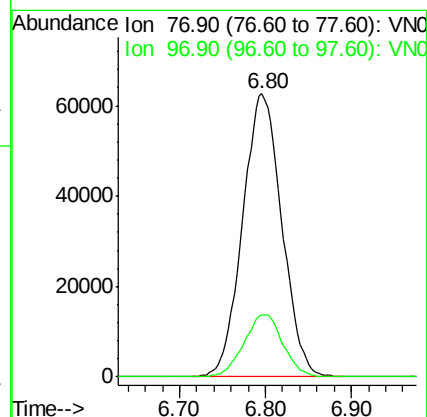
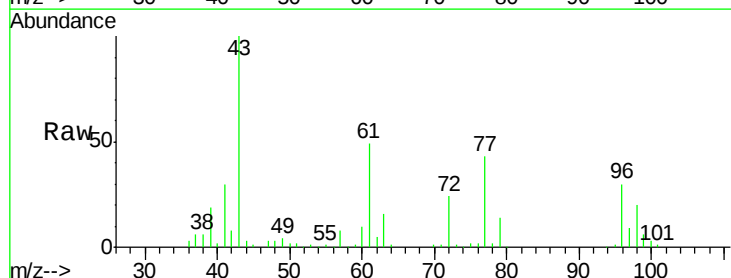
Acq: 18 Dec 2019 20:28

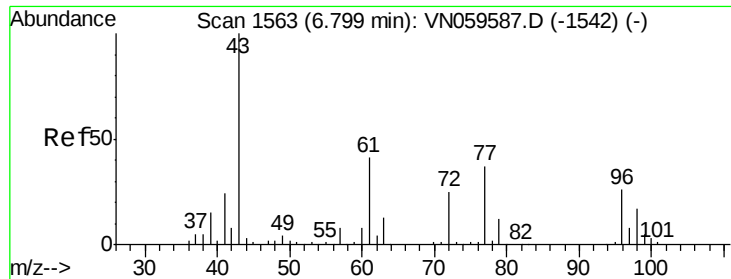
Tgt Ion: 77 Resp: 198743

Ion Ratio Lower Upper

77 100

97 21.7 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 51.682 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059662.D

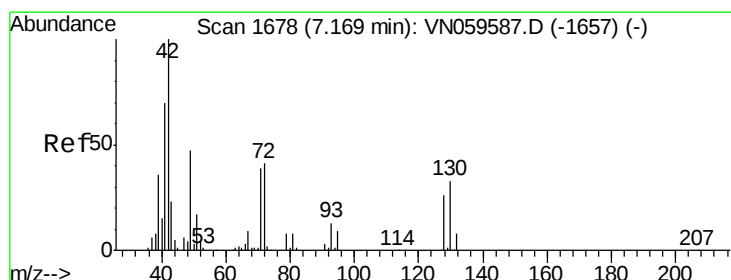
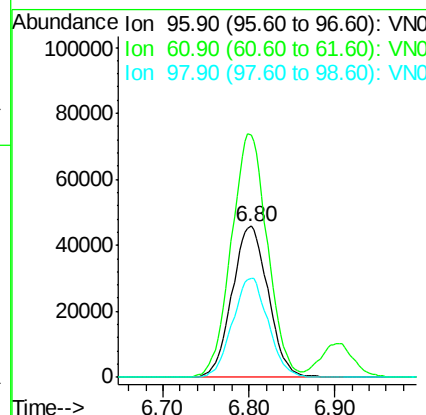
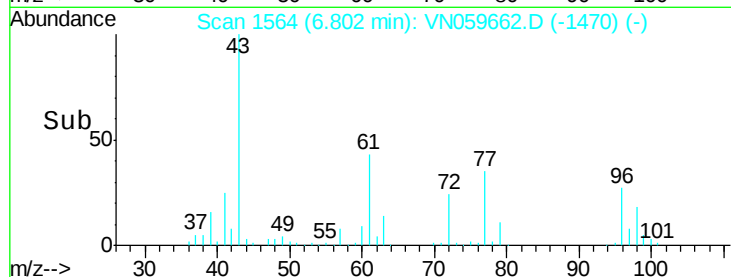
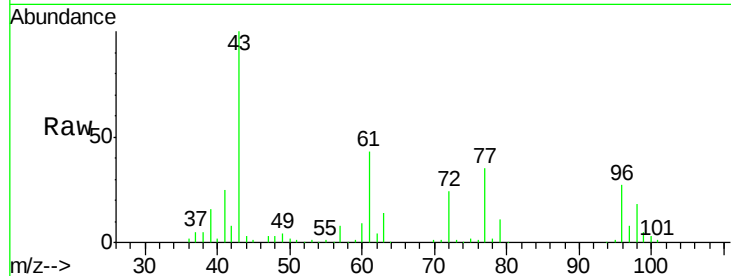
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	133356		
61	161.1	0.0	317.6	
98	64.9	0.0	127.0	

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#28

Bromochloromethane

Concen: 52.078 ug/l

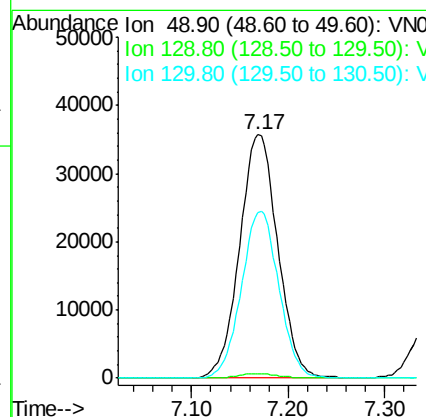
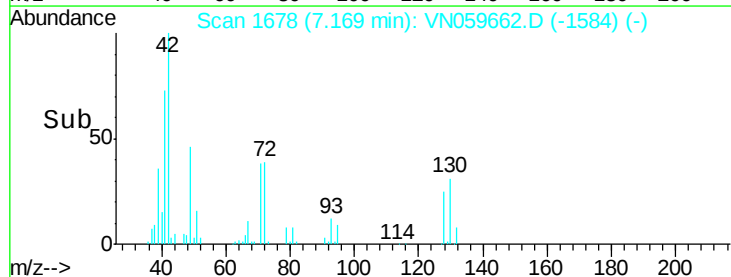
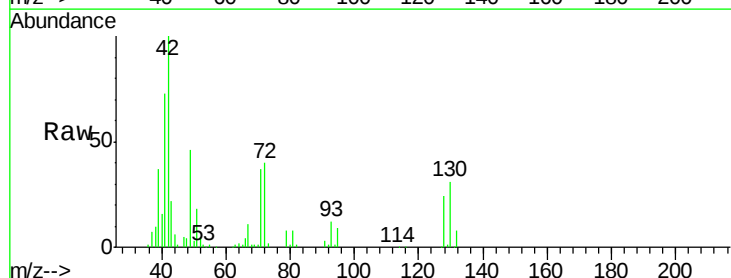
RT: 7.17 min Scan# 1678

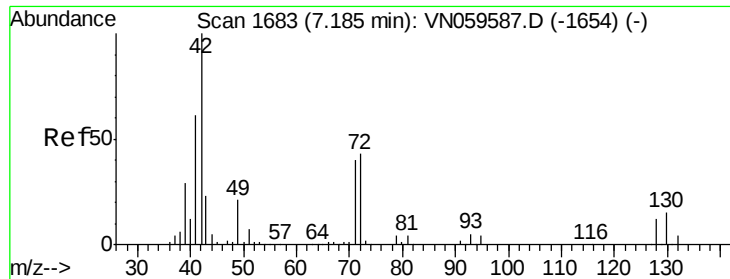
Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98033		
129	1.7	0.0	3.4	
130	67.0	54.7	82.1	





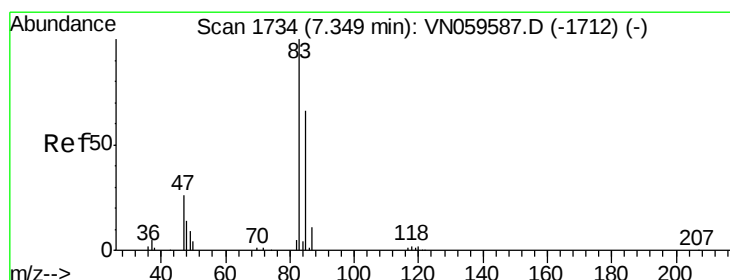
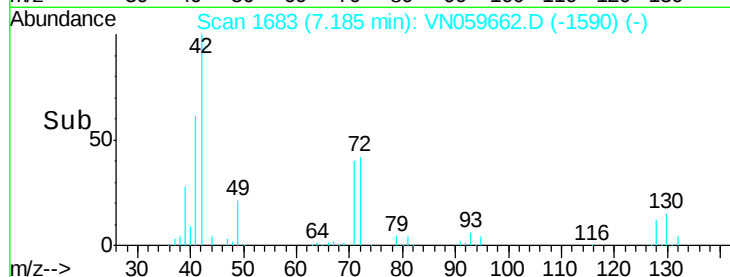
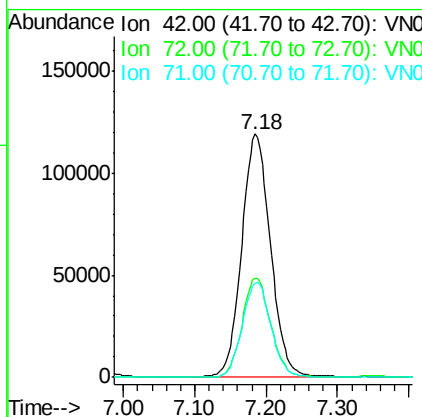
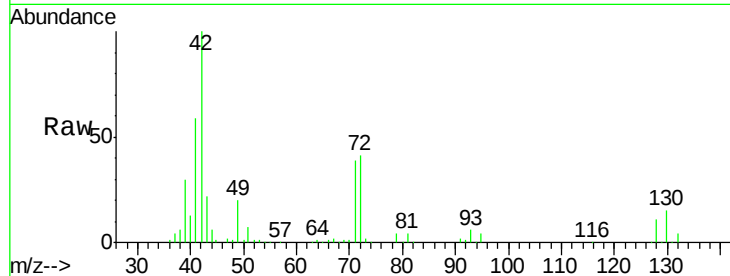
#29
Tetrahydrofuran
Concen: 268.186 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.1	49.7
71	38.4	31.4	47.0

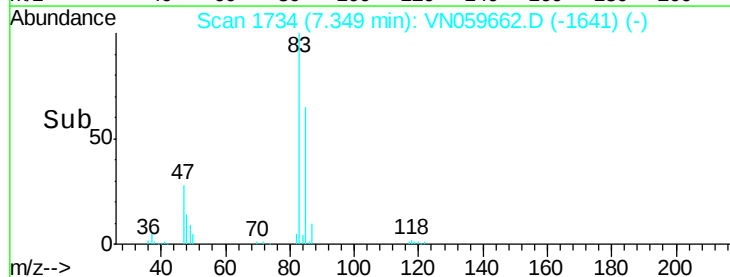
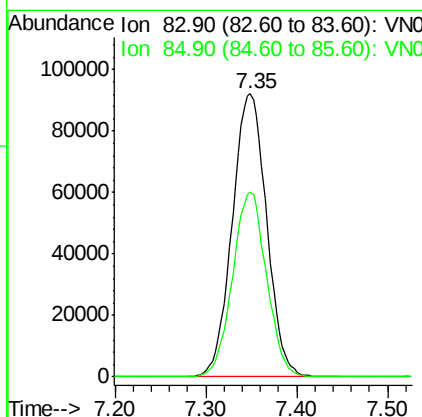
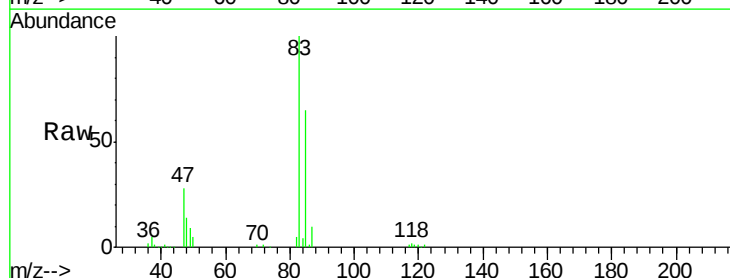
Manual Integrations
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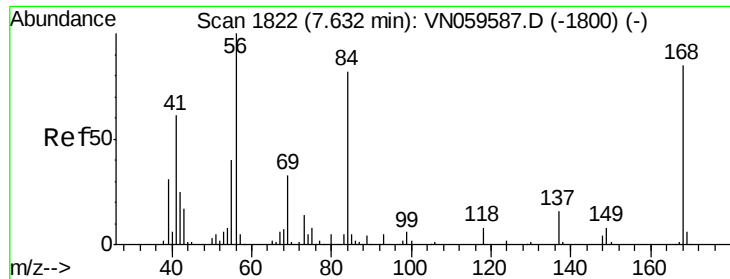
MMDadoda
12/19/2019 11:12:24 AM



#30
Chloroform
Concen: 54.868 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





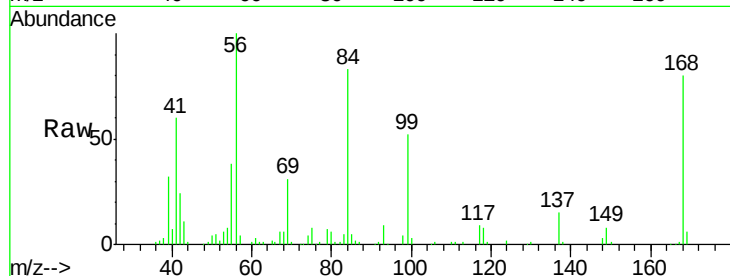
#31
Cyclohexane
Concen: 49.615 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

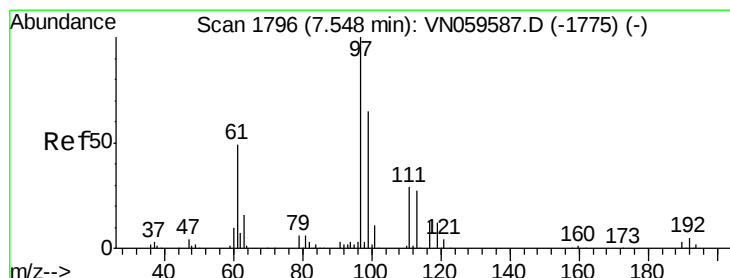
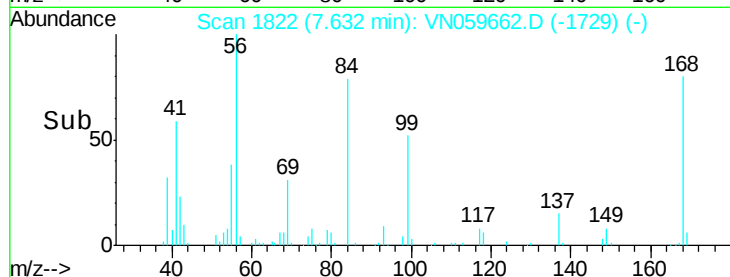
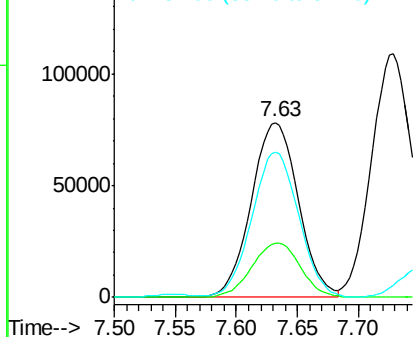
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.5	39.7
84	81.8	65.3	97.9

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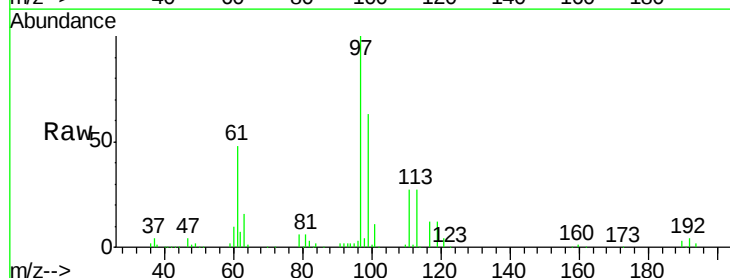


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

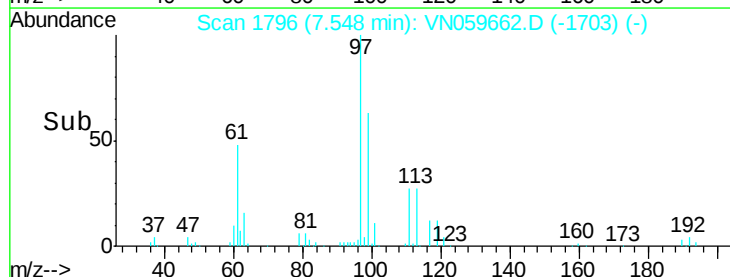
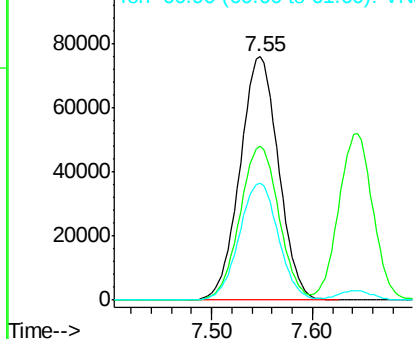


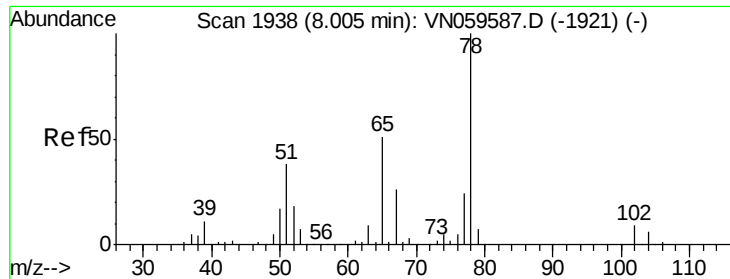
#32
1,1,1-Trichloroethane
Concen: 50.695 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	48.8	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





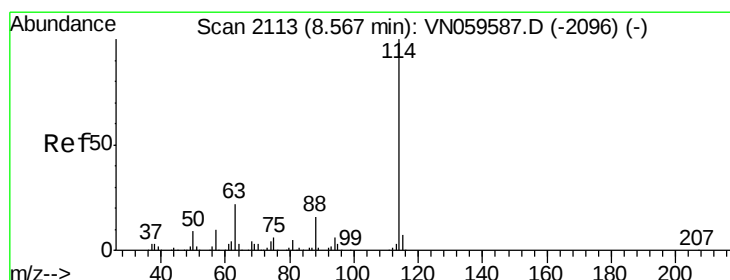
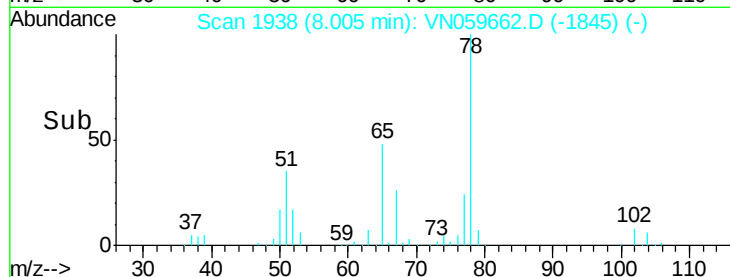
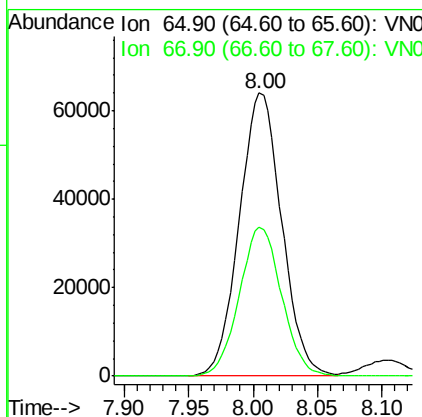
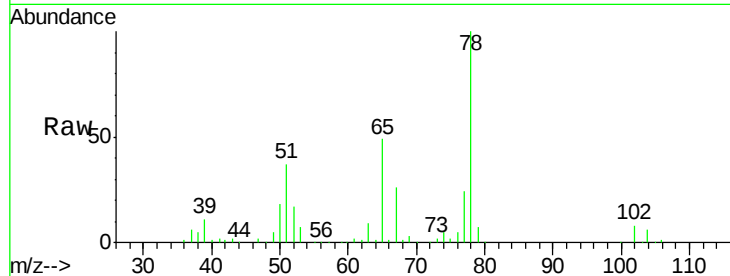
#33
 1,2-Dichloroethane-d4
 Concen: 50.597 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146628		
67	52.6	0.0	103.0	

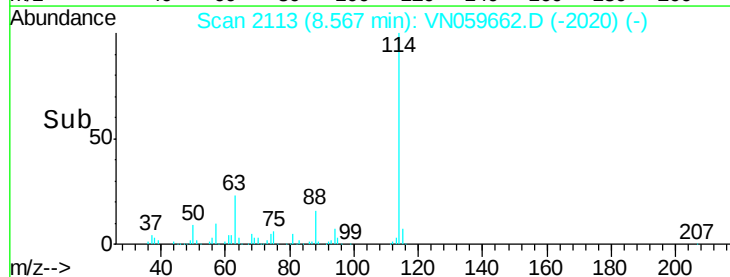
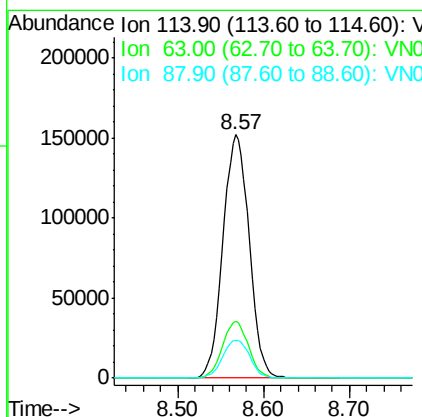
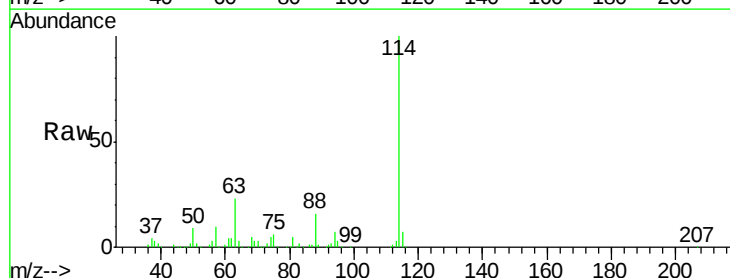
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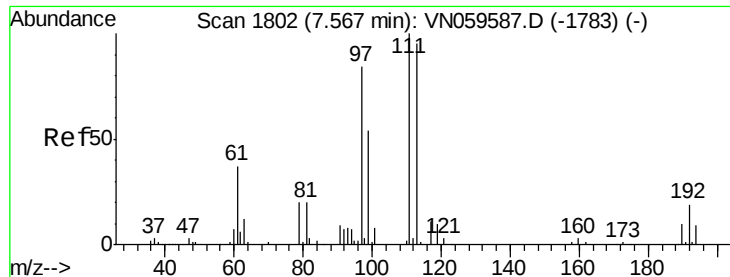
MMDadoda
 12/19/2019 11:12:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322174		
63	23.4	0.0	43.6	
88	15.6	0.0	31.4	





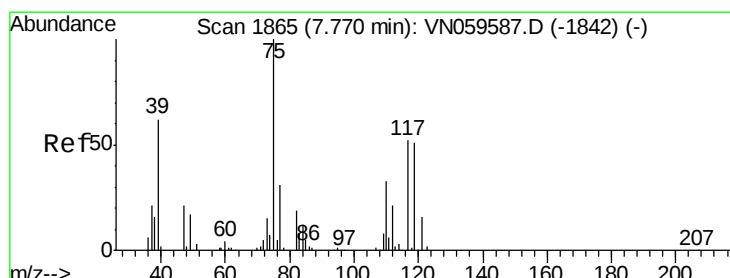
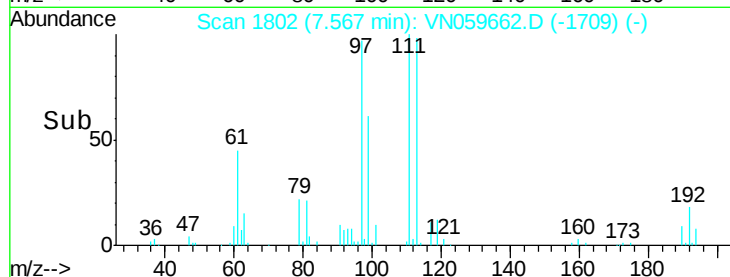
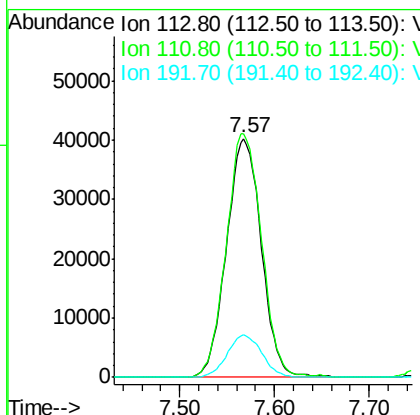
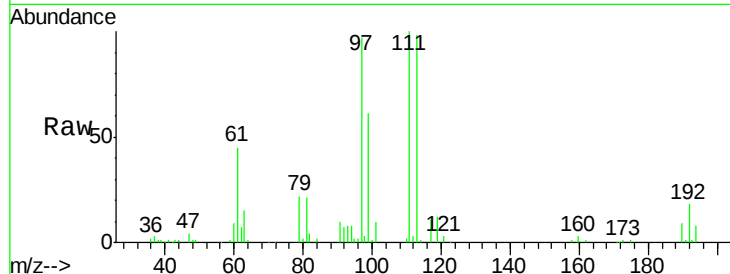
#35
 Dibromofluoromethane
 Concen: 51.096 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102999		
111	103.0	83.5	125.3	
192	17.8	15.4	23.2	

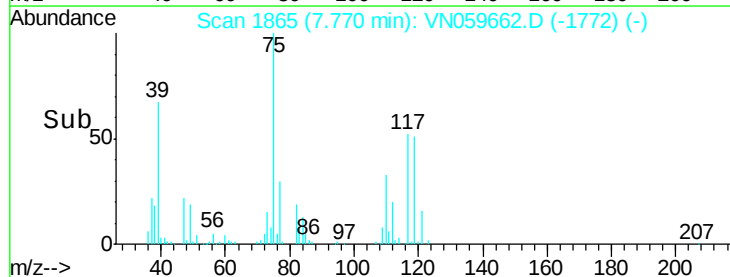
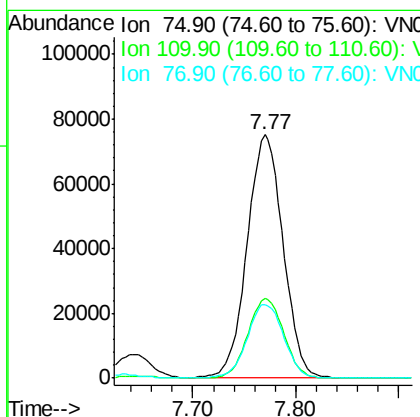
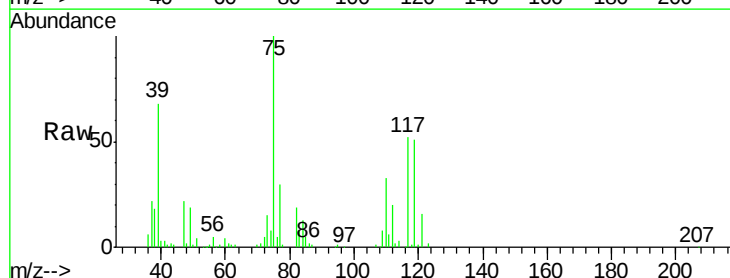
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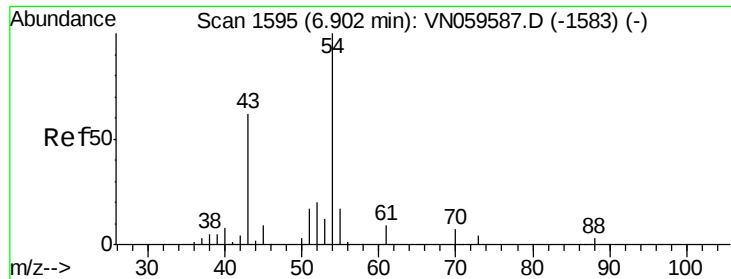
MMDadoda
 12/19/2019 11:12:24 AM



#36
 1,1-Dichloropropene
 Concen: 53.603 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180095		
110	32.9	16.6	49.7	
77	31.1	25.1	37.7	





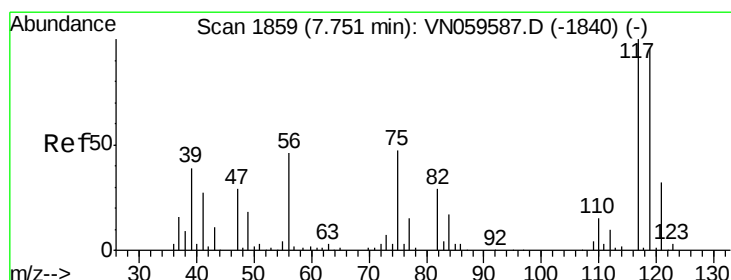
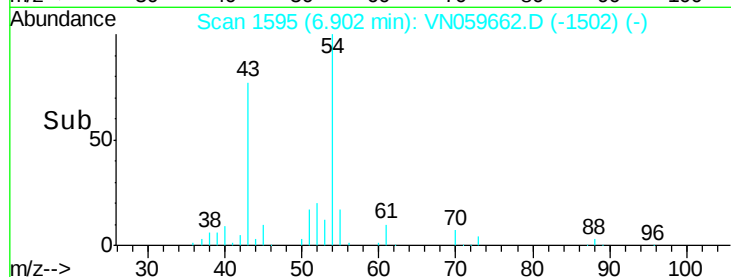
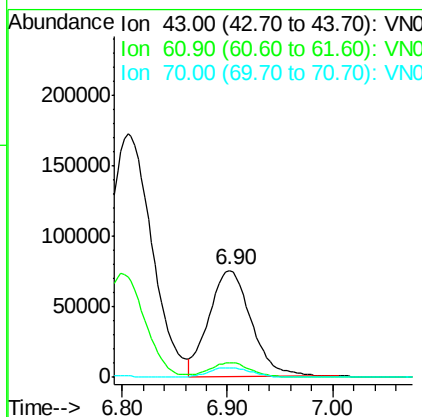
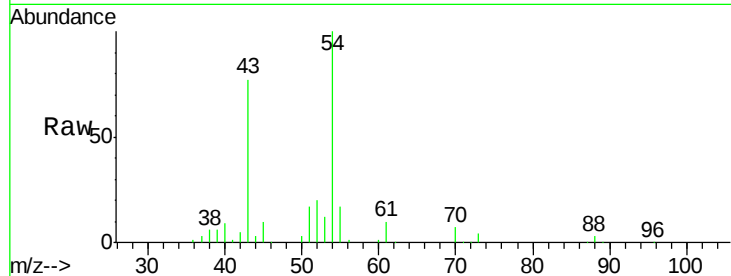
#37
Ethyl Acetate
Concen: 54.071 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	9.4	7.7	11.5

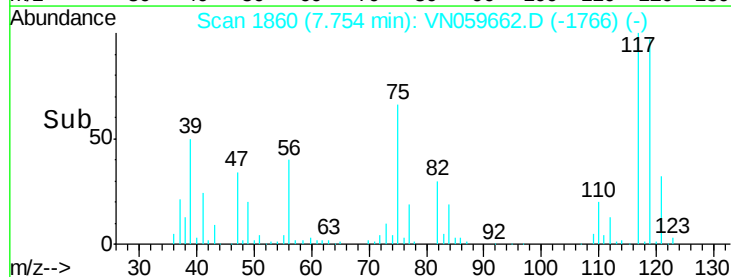
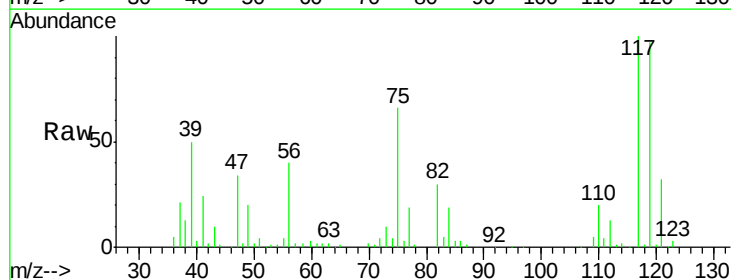
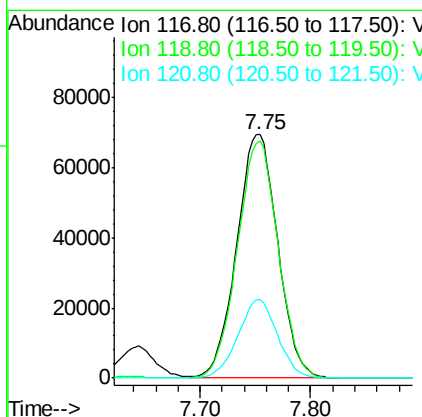
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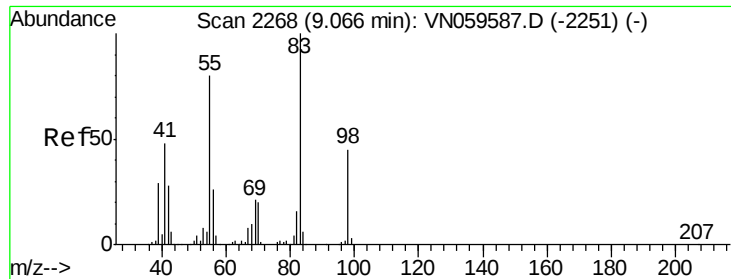
MMDadoda
12/19/2019 11:12:24 AM



#38
Carbon Tetrachloride
Concen: 51.449 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.5	114.7
121	32.2	25.1	37.7





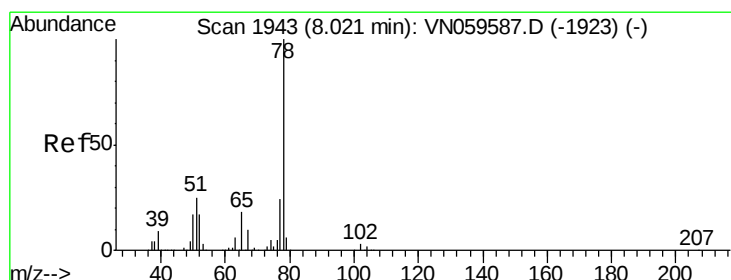
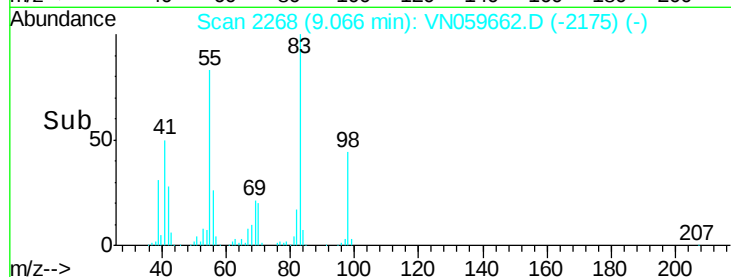
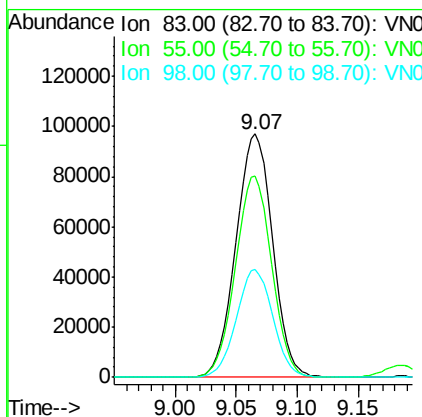
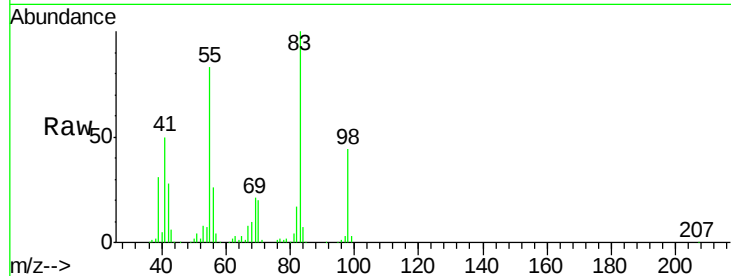
#39
Methvlcvclohexane
Concen: 52.969 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	201864		
55	82.9	64.2	96.2	
98	44.2	35.9	53.9	

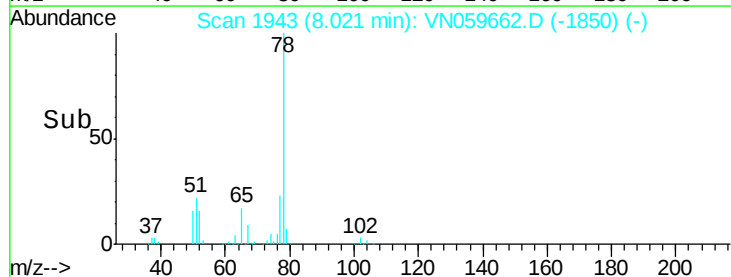
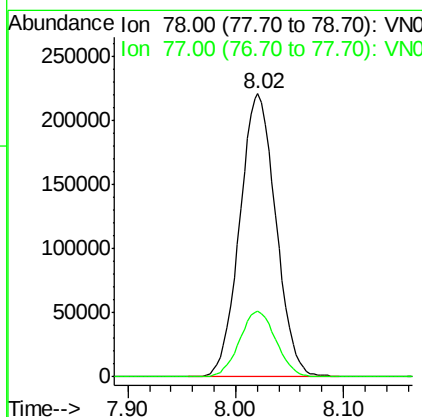
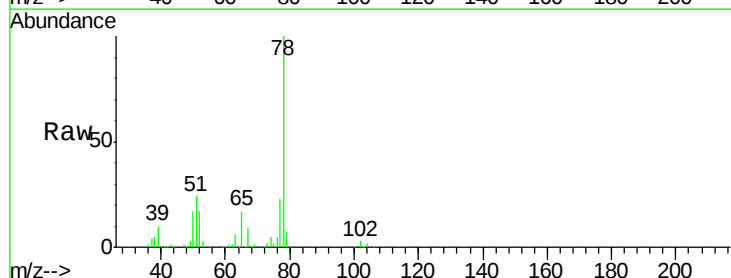
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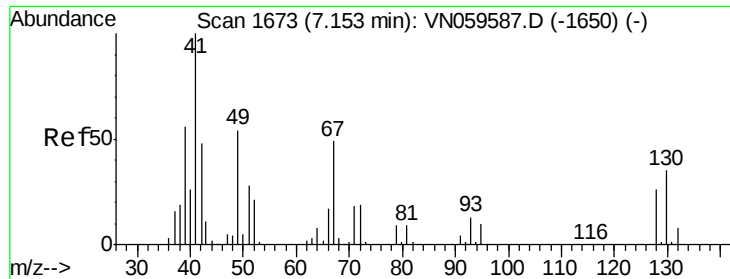
MMDadoda
12/19/2019 11:12:24 AM



#40
Benzene
Concen: 52.455 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	515039		
77	23.1	18.9	28.3	





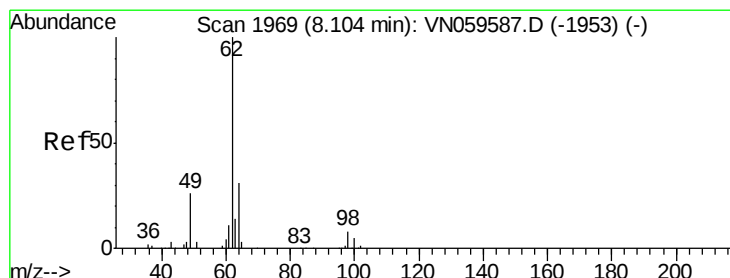
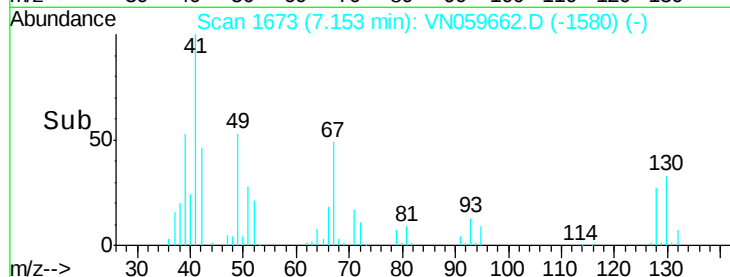
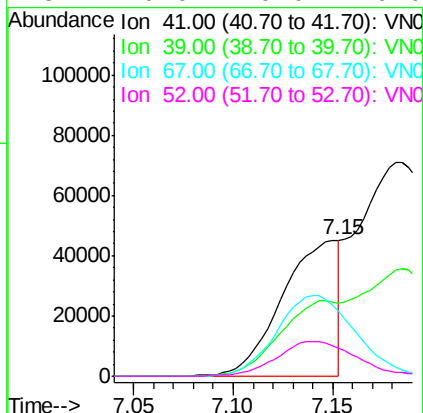
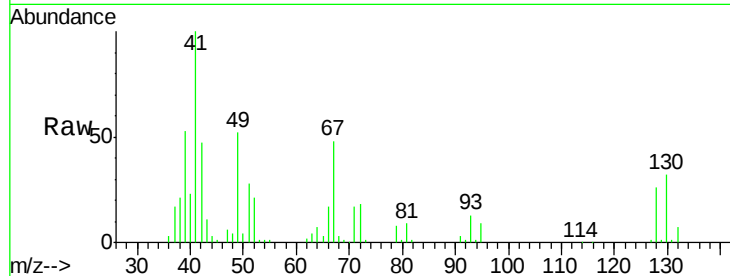
#41
Methacrylonitrile
Concen: 55.396 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	89276
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

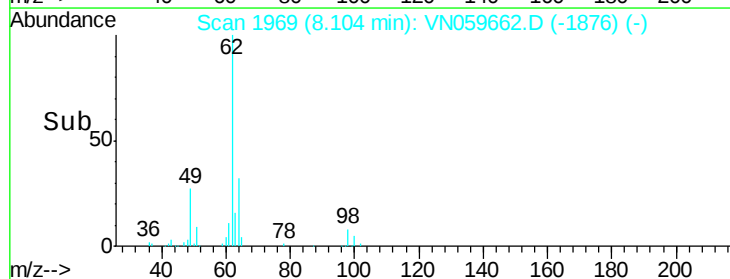
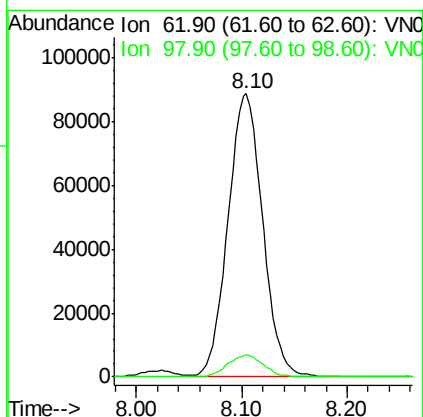
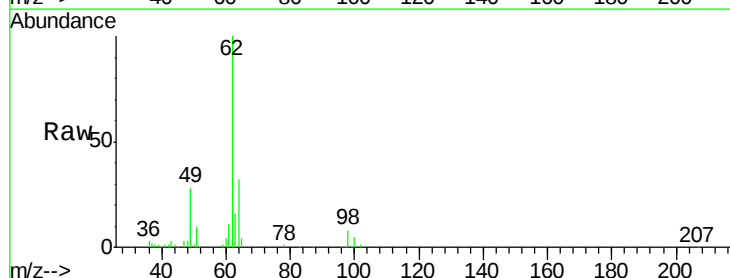
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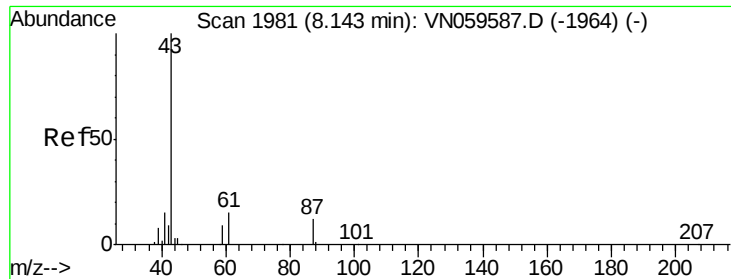
MMDadoda
12/19/2019 11:12:24 AM



#42
1,2-Dichloroethane
Concen: 53.579 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	62	Resp	201466
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





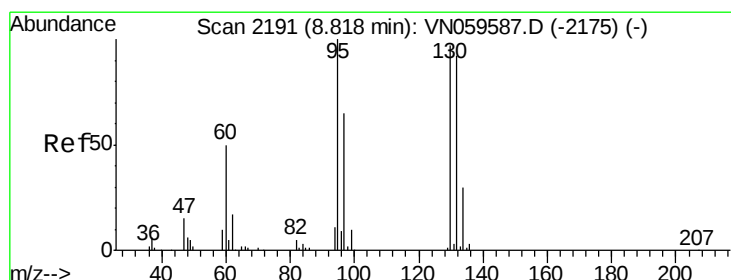
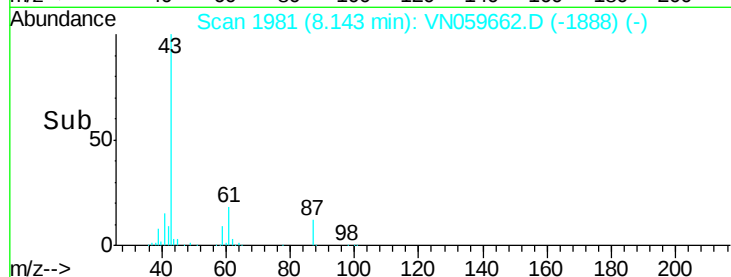
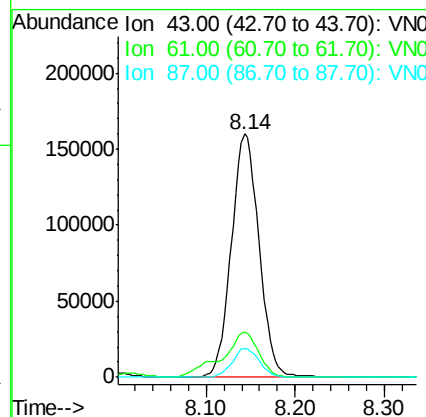
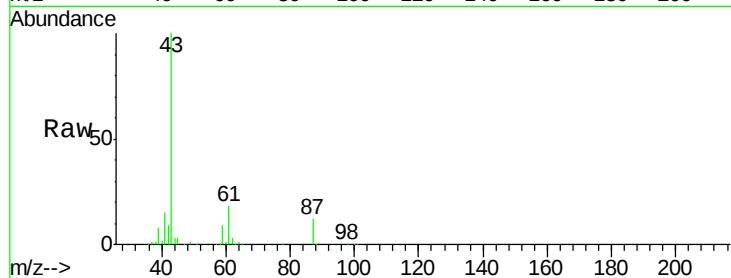
#43
Isopropyl Acetate
Concen: 56.372 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.2	30.2
87	11.8	9.5	14.3

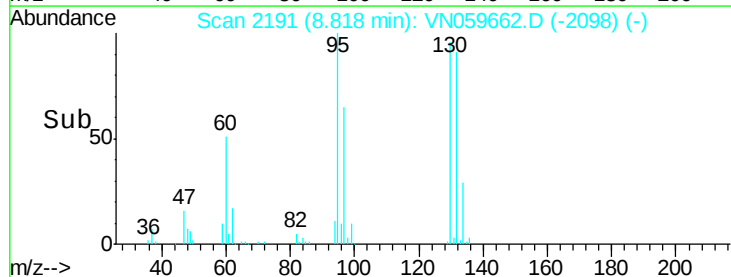
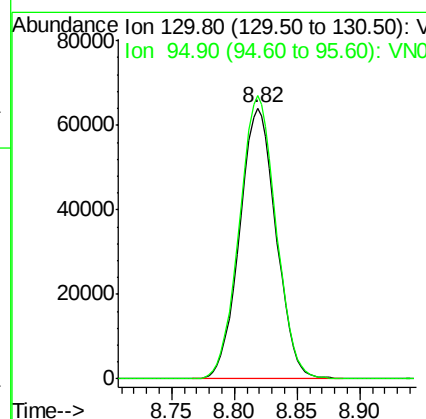
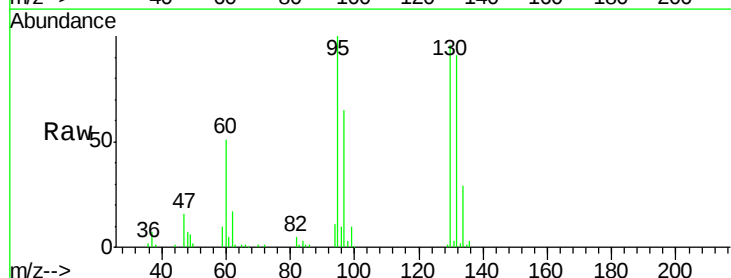
Manual Integrations
APPROVED

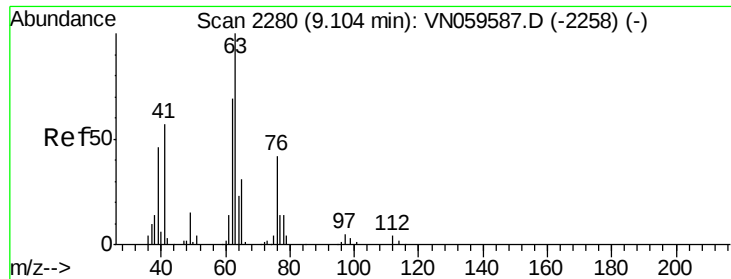
MMDadoda
12/19/2019 11:12:24 AM



#44
Trichloroethene
Concen: 50.302 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	207.0





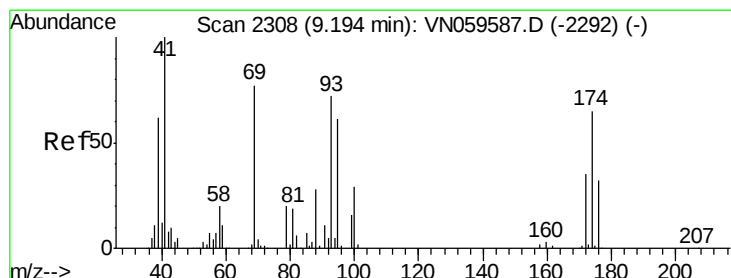
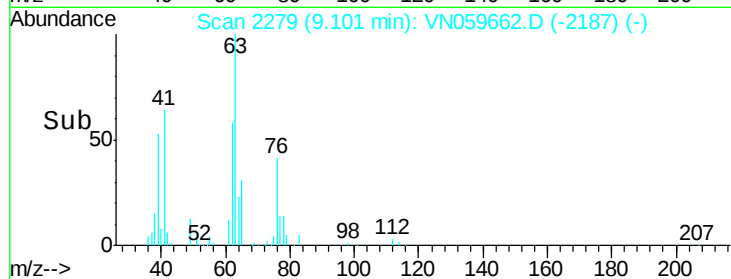
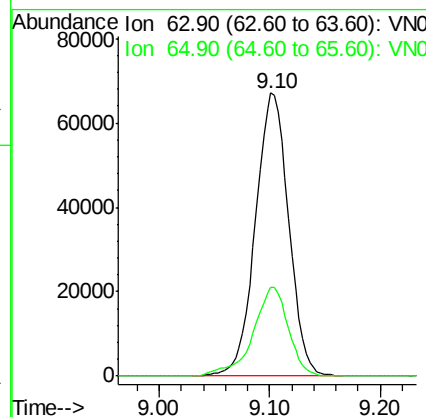
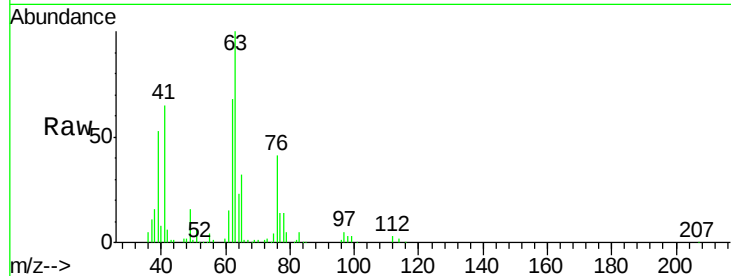
#45
 1,2-Dichloropropane
 Concen: 53.057 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 140677
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.9 37.3

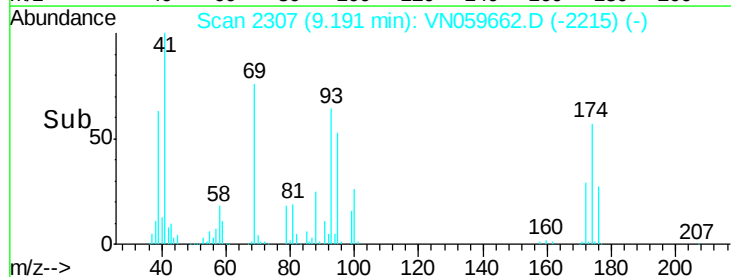
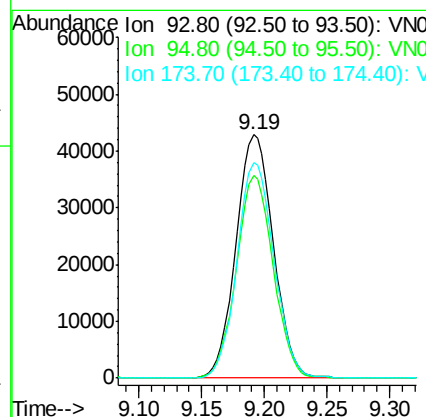
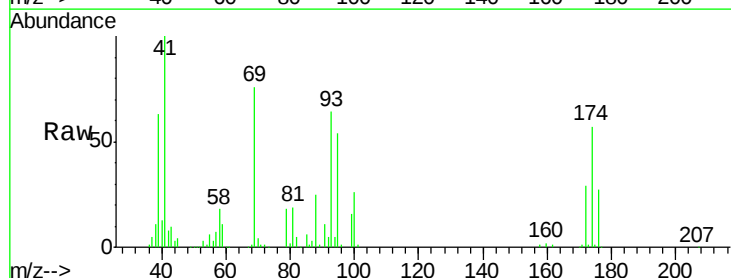
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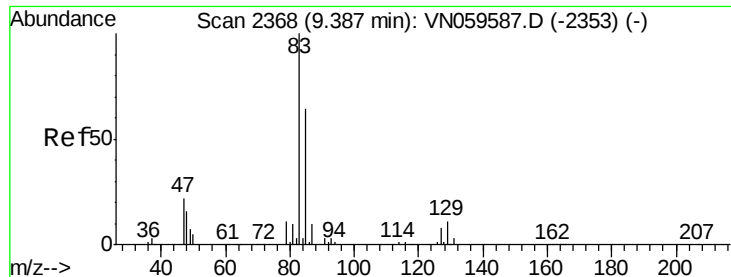
MMDadoda
 12/19/2019 11:12:24 AM



#46
 Dibromomethane
 Concen: 51.074 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion: 93 Resp: 88718
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.6
 174 87.7 73.4 110.2





#47

Bromodichloromethane

Concen: 53.865 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

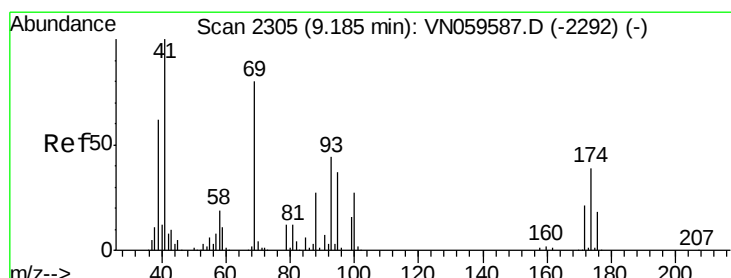
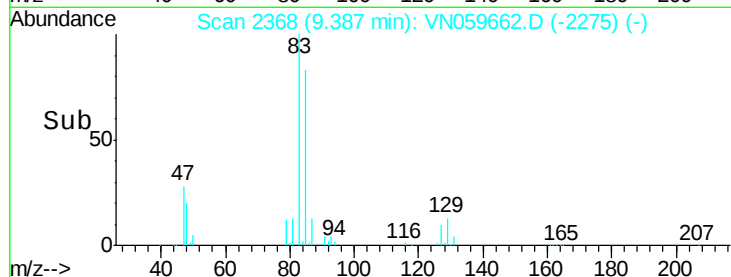
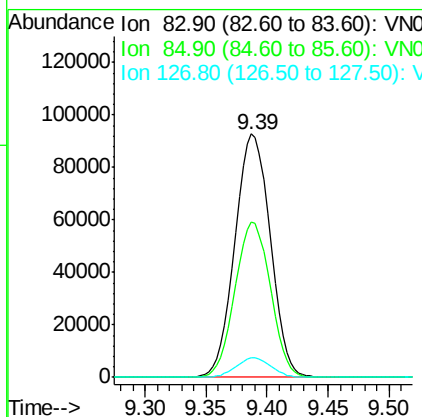
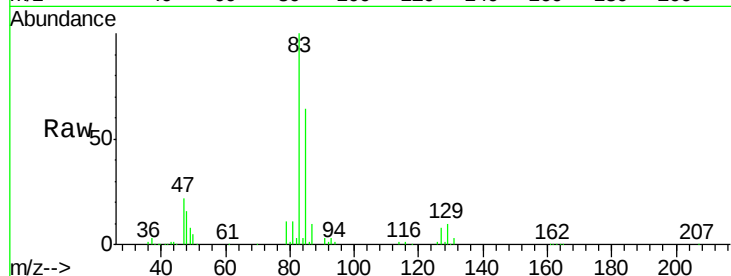
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	186548
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	7.8	6.6	9.8

Manual Integrations
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MMDadoda
12/19/2019 11:12:24 AM



#48

Methyl methacrylate

Concen: 53.440 ug/l

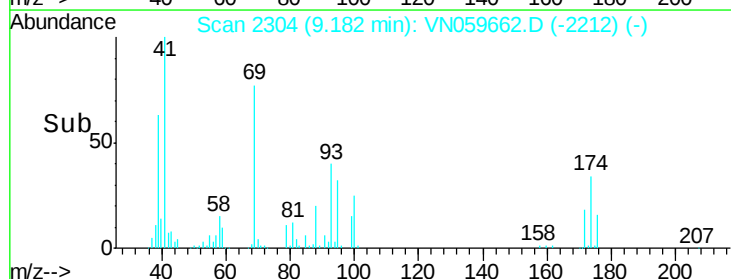
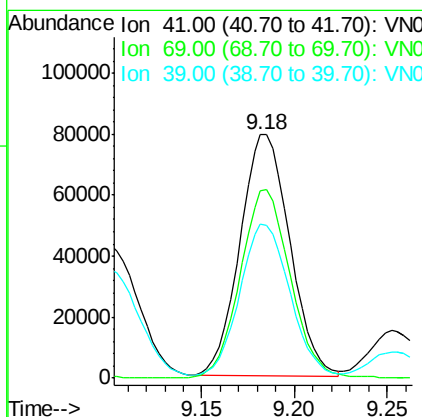
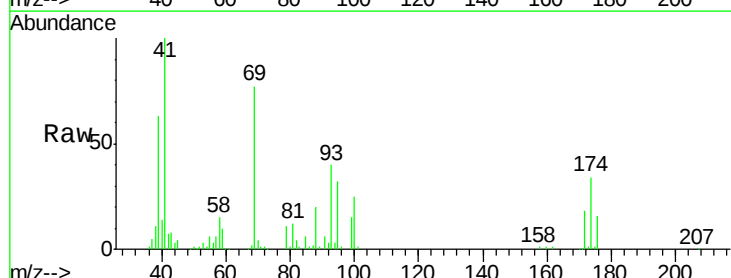
RT: 9.18 min Scan# 2304

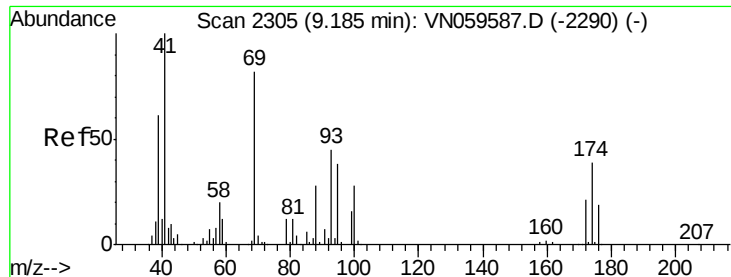
Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion:	41	Resp:	147200
Ion Ratio	Lower	Upper	
41	100		
69	78.9	64.4	96.6
39	64.6	51.3	76.9





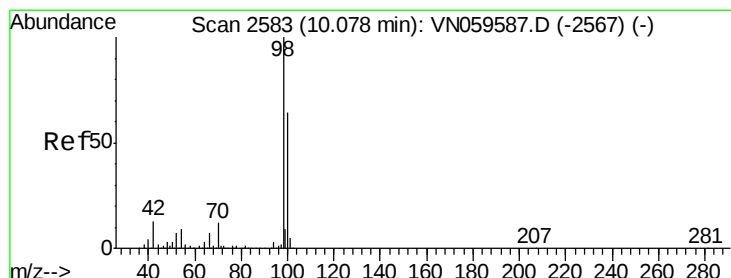
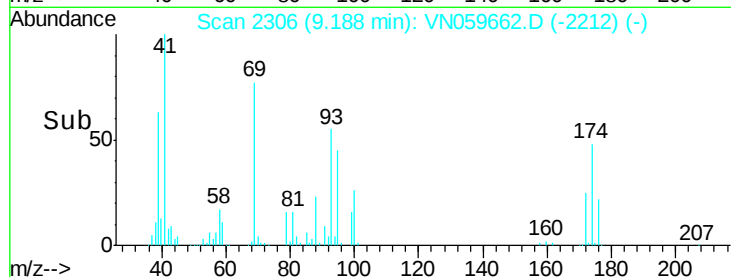
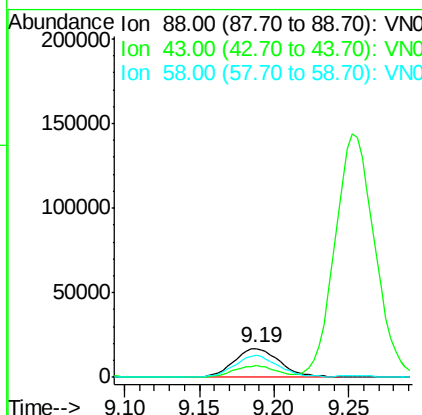
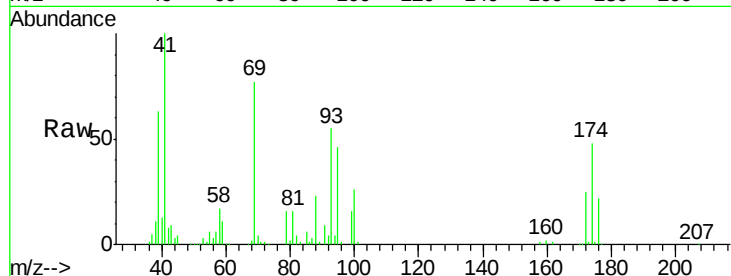
#49
1,4-Dioxane
Concen: 923.959 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.7	44.5
58	72.8	56.6	85.0

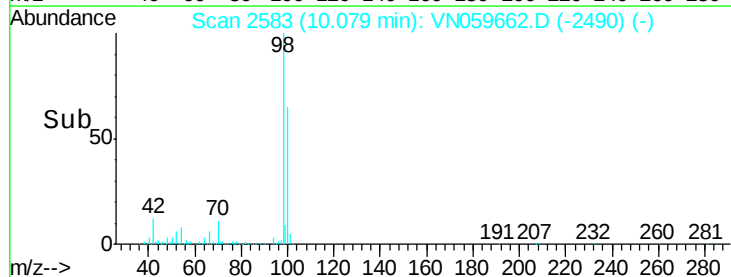
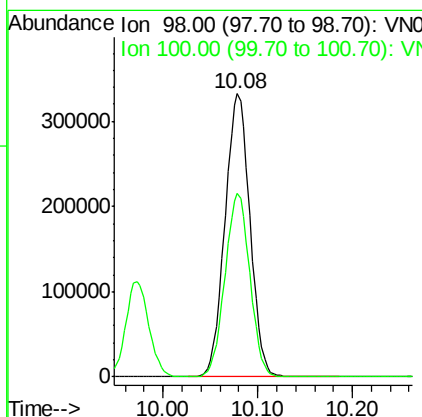
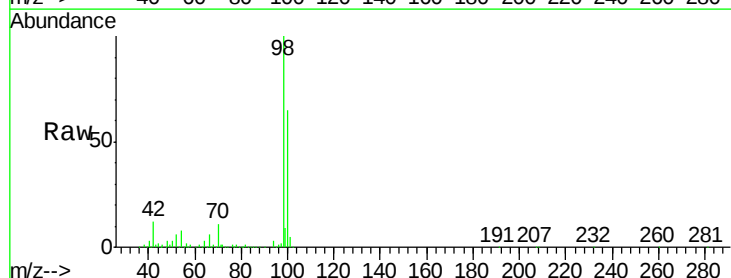
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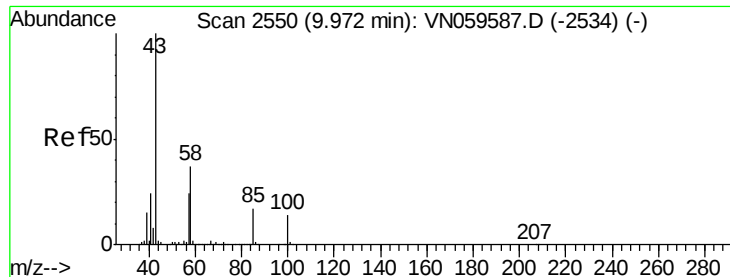
MMDadoda
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#50
Toluene-d8
Concen: 76.308 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





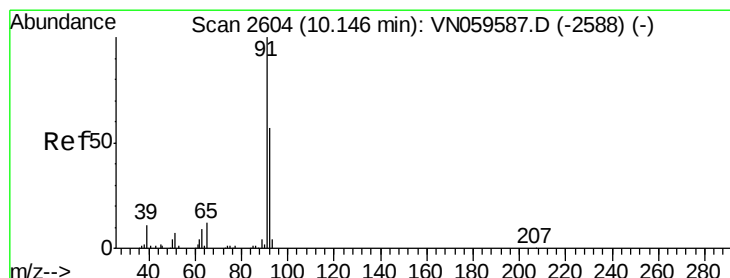
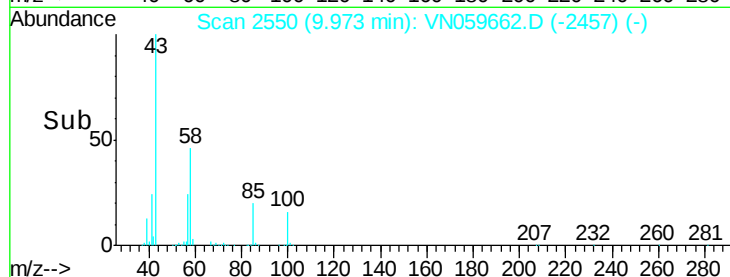
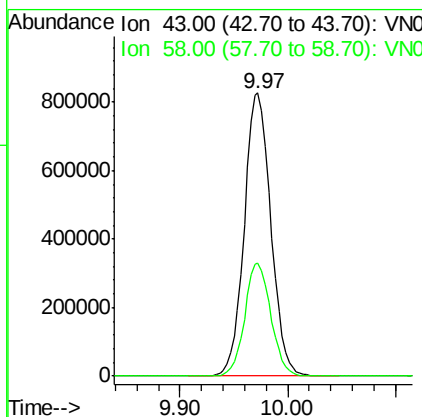
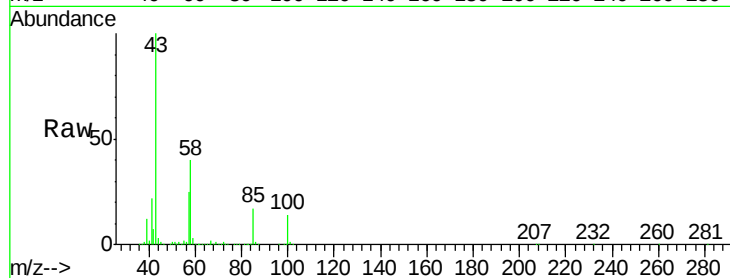
#51
4-Methyl-2-Pentanone
Concen: 390.613 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1413939
Ion Ratio Lower Upper
43 100
58 39.1 29.8 44.8

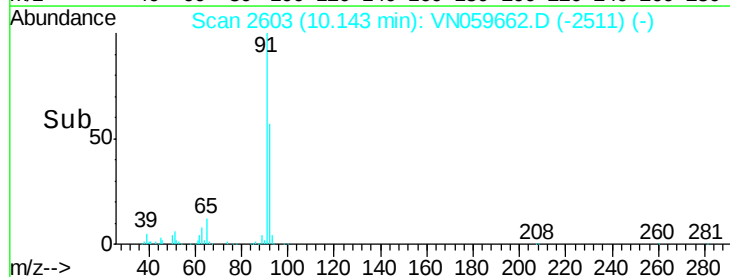
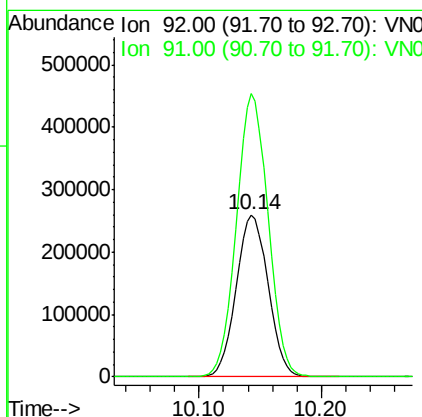
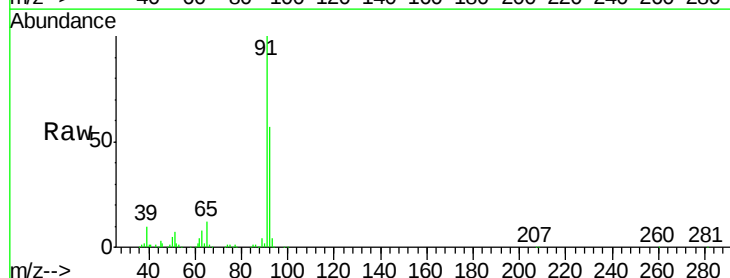
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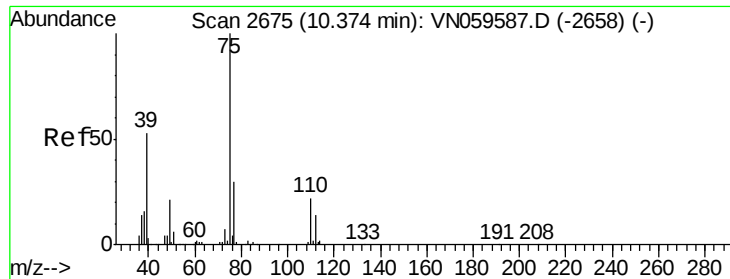
MMDadoda
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#52
Toluene
Concen: 77.879 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion: 92 Resp: 469835
Ion Ratio Lower Upper
92 100
91 173.0 140.4 210.6





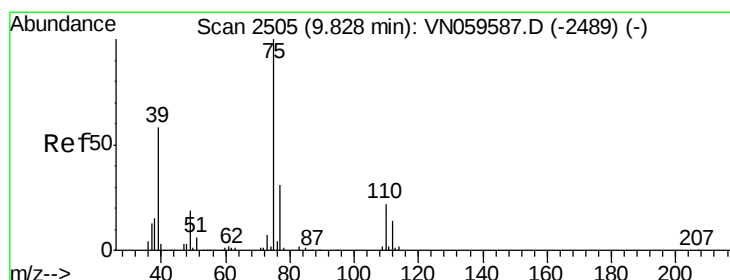
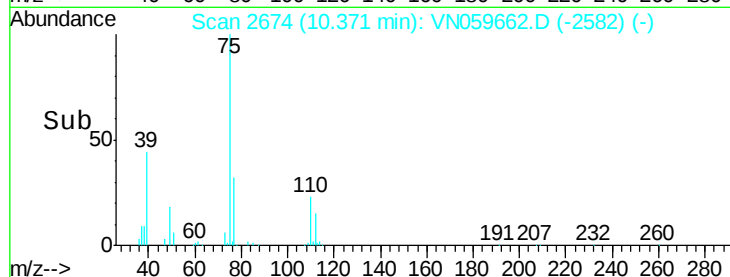
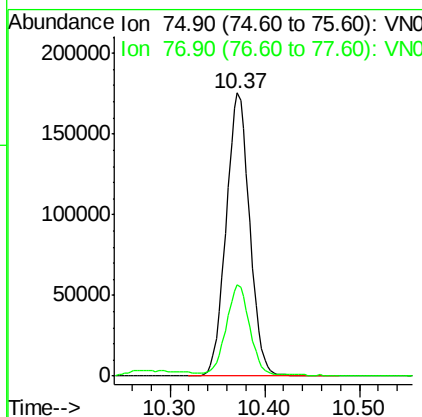
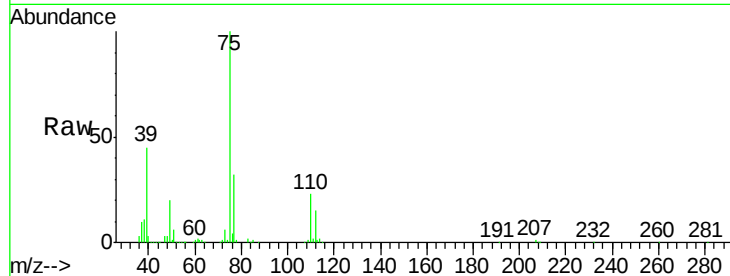
#53
t-1,3-Dichloropropene
Concen: 75.862 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

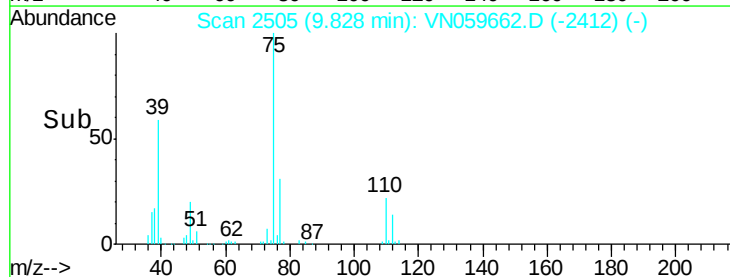
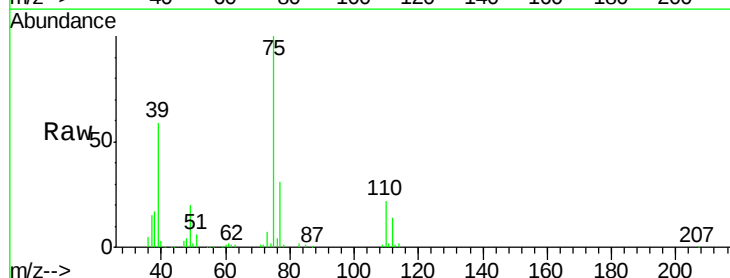
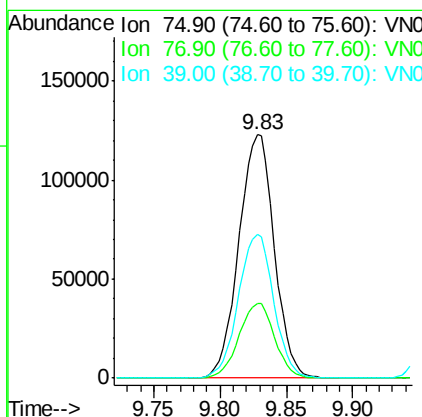
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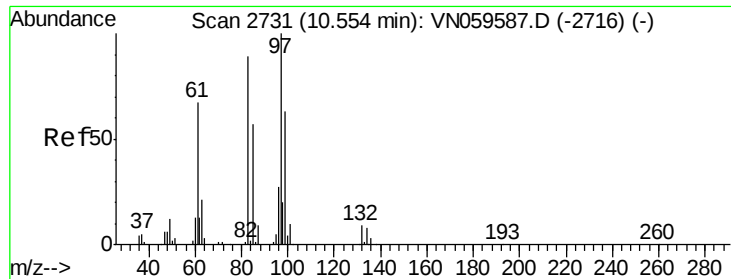
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12/19/2019 11:12:24 AM



#54
cis-1,3-Dichloropropene
Concen: 54.122 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	59.2	46.1	69.1





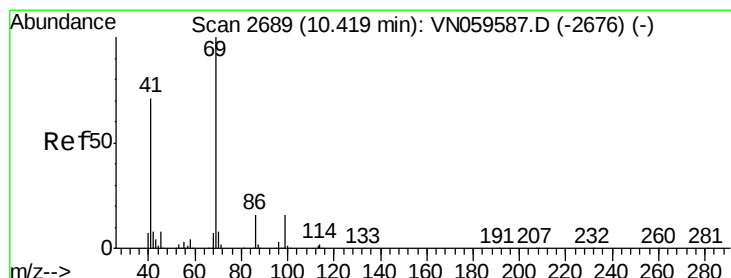
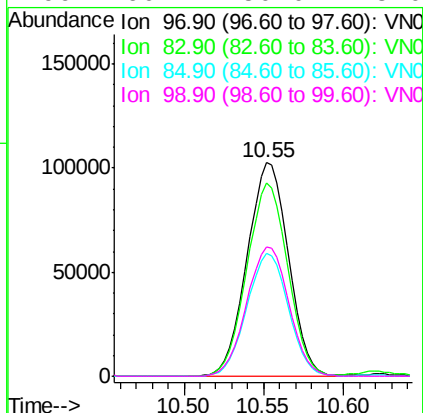
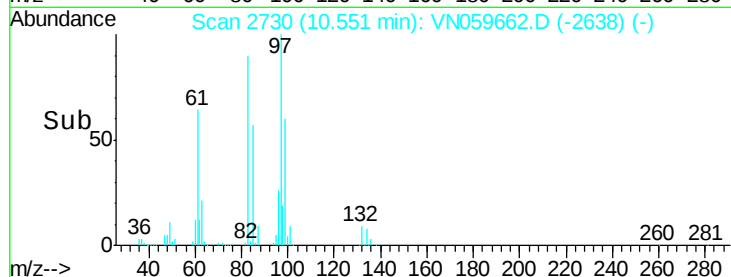
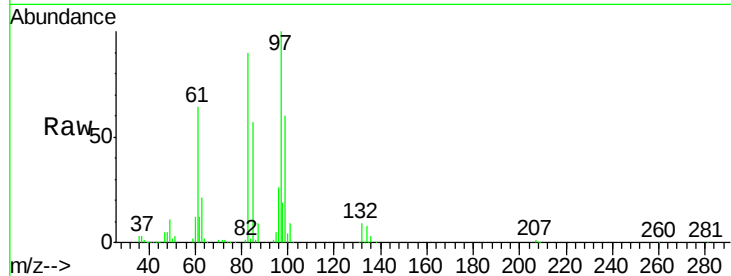
#55
1,1,2-Trichloroethane
Concen: 76.772 ug/l
RT: 10.55 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.3	106.9
85	57.3	45.8	68.8
99	60.4	50.0	75.0

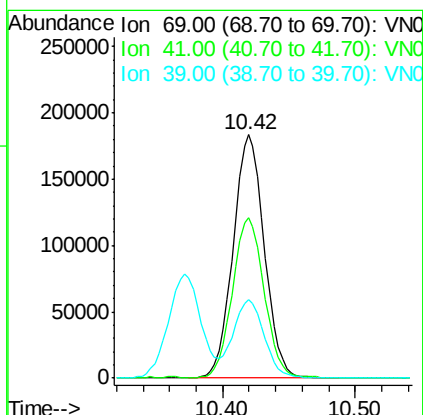
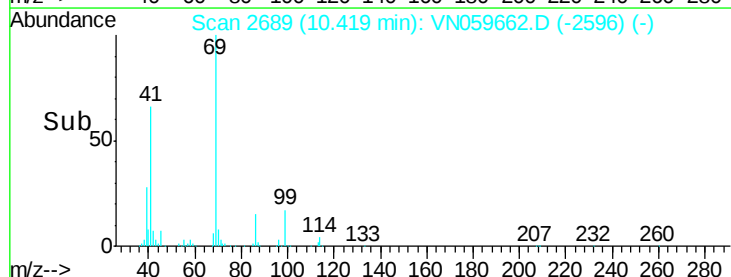
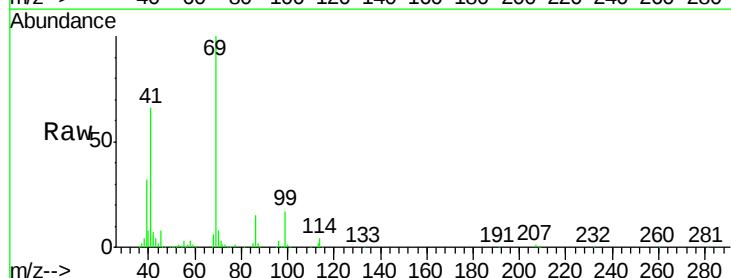
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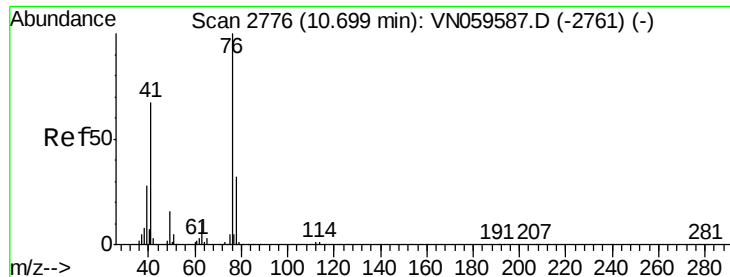
MMDadoda
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#56
Ethyl methacrylate
Concen: 85.121 ug/l
RT: 10.42 min Scan# 2689
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.5	57.1	85.7
39	31.7	34.7	52.1#





#57

1,3-Dichloropropane

Concen: 65.941 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 271800

Ion Ratio Lower Upper

76 100

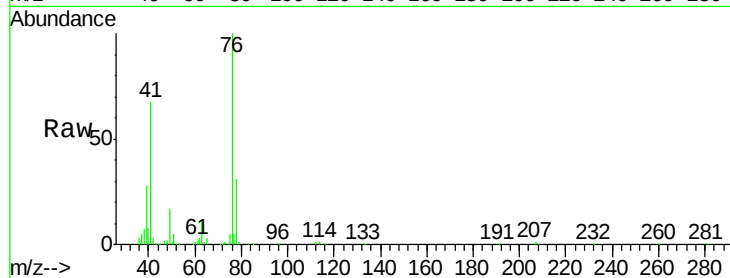
78 31.5 25.8 38.8

Manual Integrations

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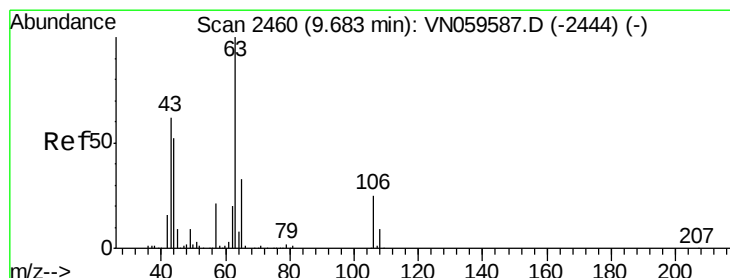
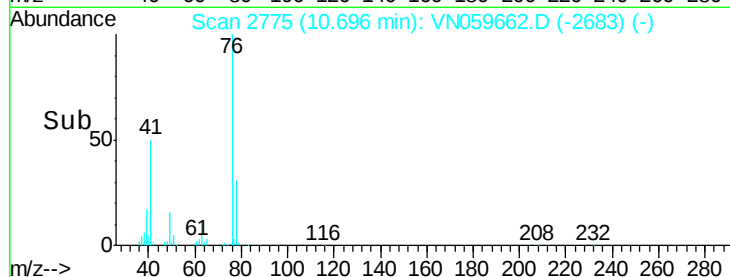
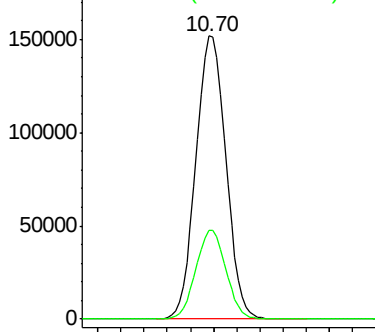
MMDadoda

12/19/2019 11:12:24 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 321.205 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059662.D

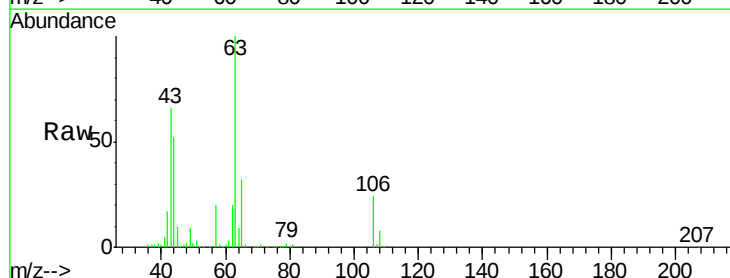
Acq: 18 Dec 2019 20:28

Tgt Ion: 63 Resp: 359018

Ion Ratio Lower Upper

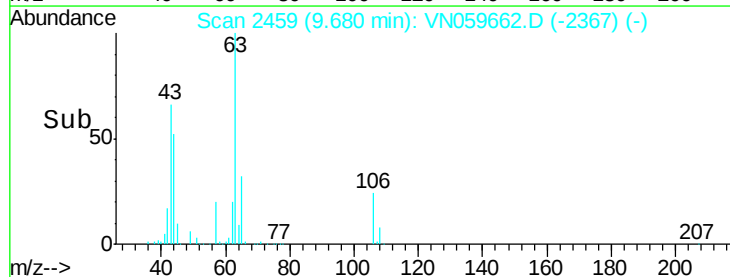
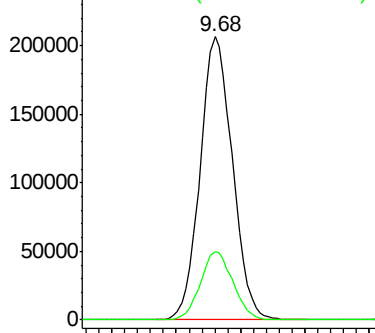
63 100

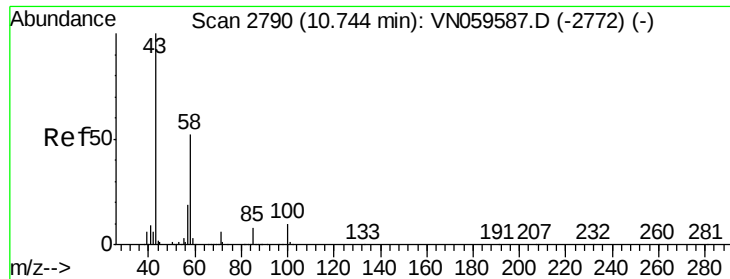
106 24.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





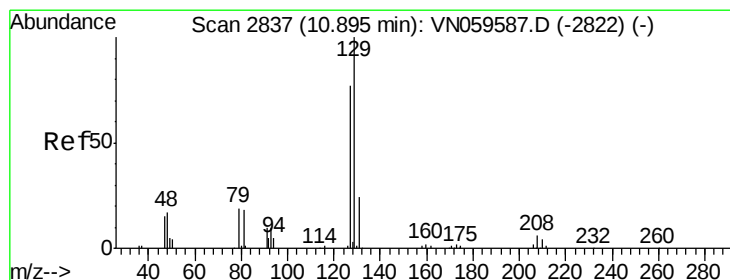
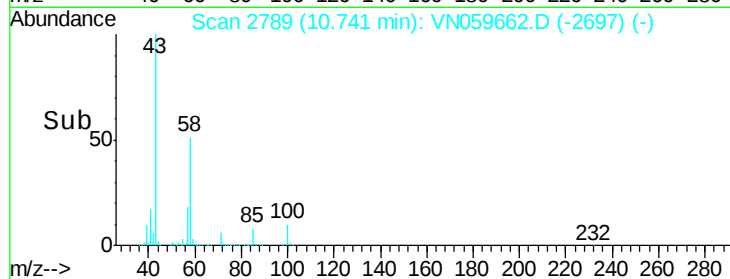
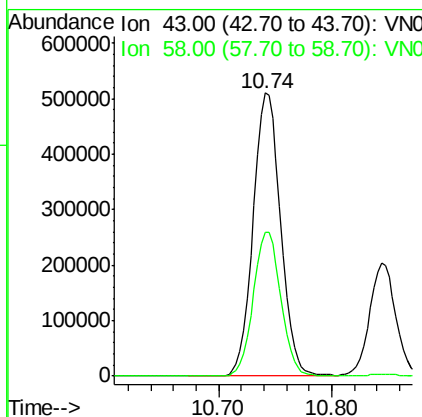
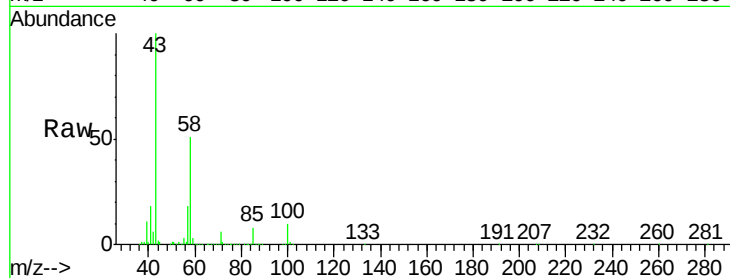
#59
2-Hexanone
Concen: 301.704 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 860726
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.3

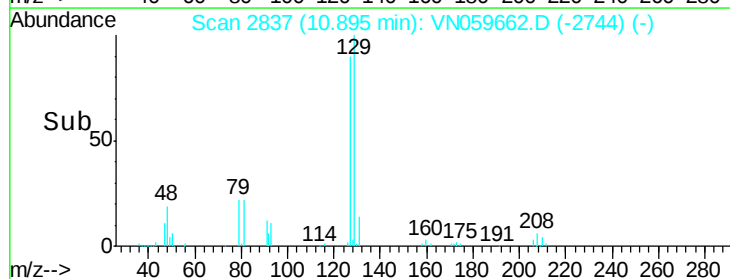
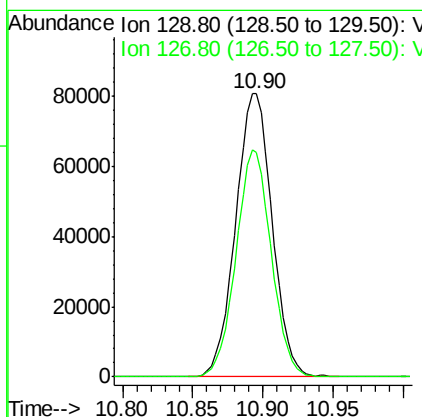
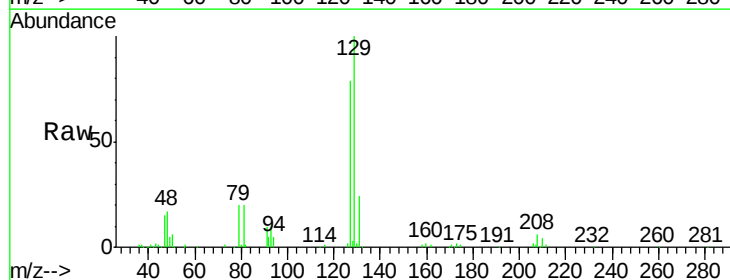
Manual Integrations
APPROVED

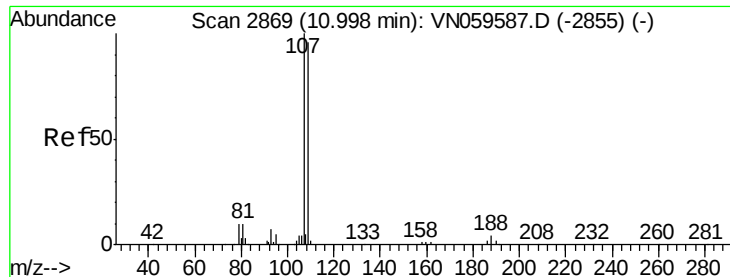
MMDadoda
12/19/2019 11:12:24 AM



#60
Dibromochloromethane
Concen: 56.619 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion: 129 Resp: 146289
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





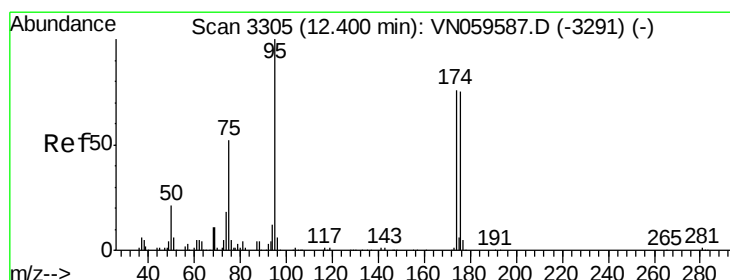
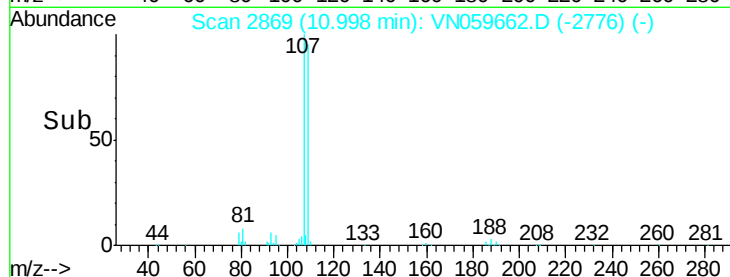
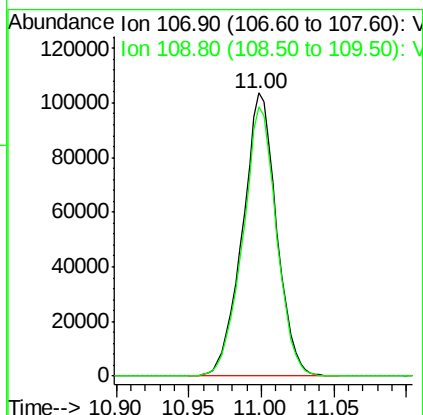
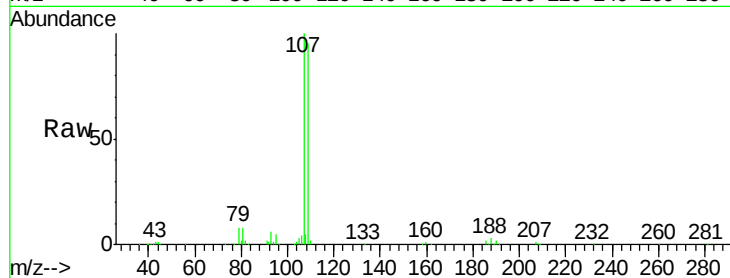
#61
 1,2-Dibromoethane
 Concen: 67.438 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.6	115.0

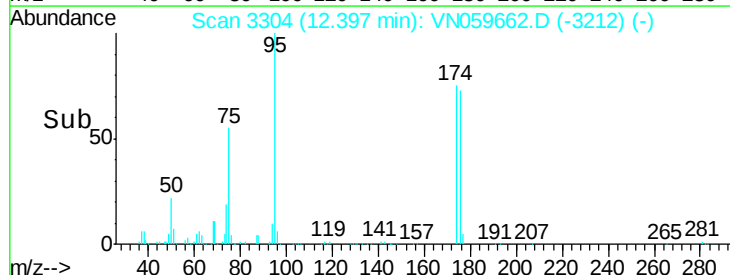
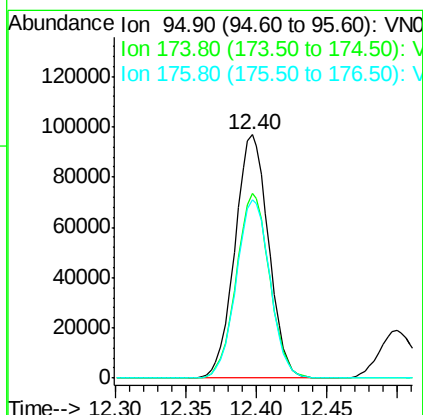
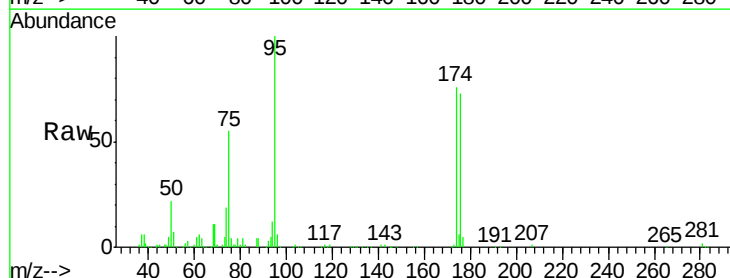
Manual Integrations
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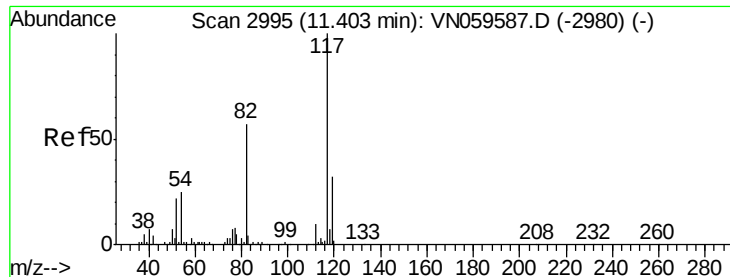
MMDadoda
 12/19/2019 11:12:24 AM



#62
 4-Bromofluorobenzene
 Concen: 55.700 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	151.4
176	73.1	0.0	146.0





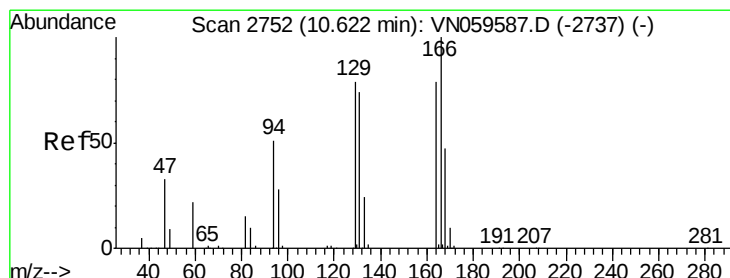
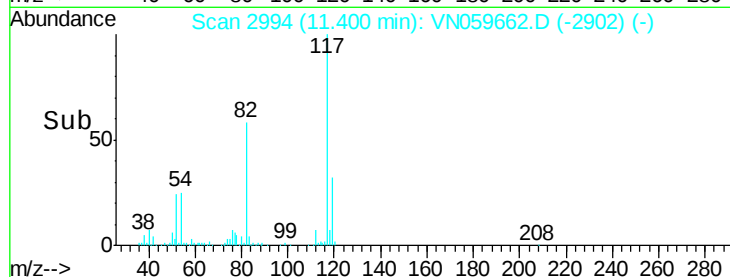
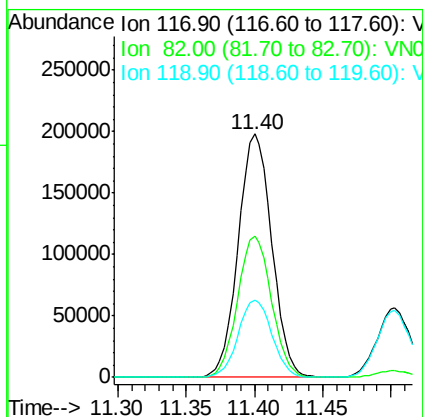
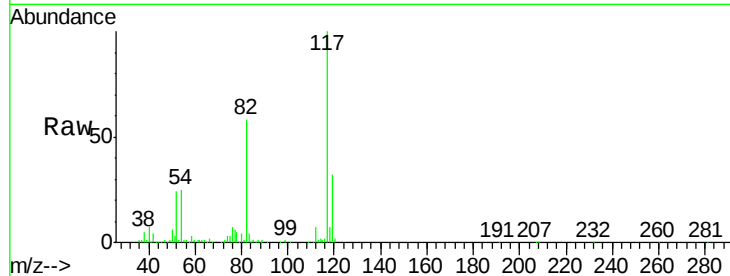
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	338974		
82	57.8		45.9	68.9
119	31.7		25.5	38.3

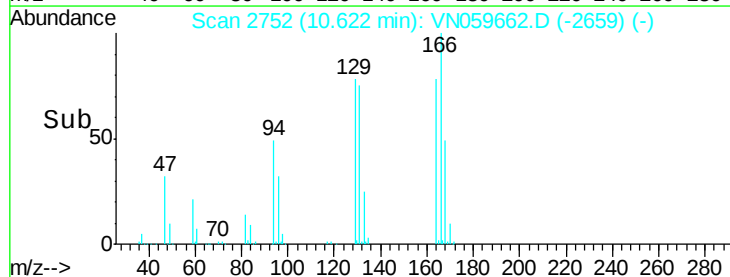
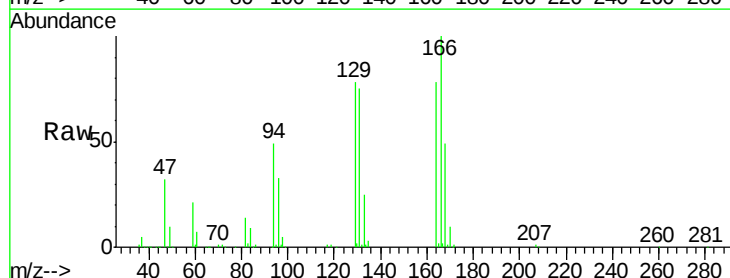
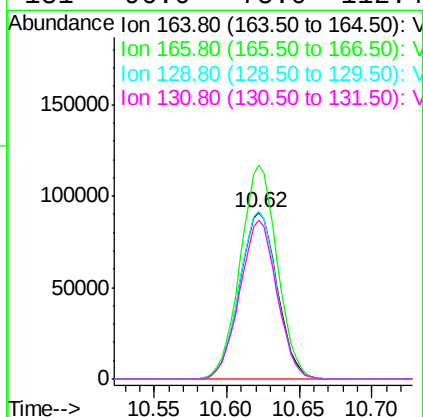
Manual Integrations
APPROVED

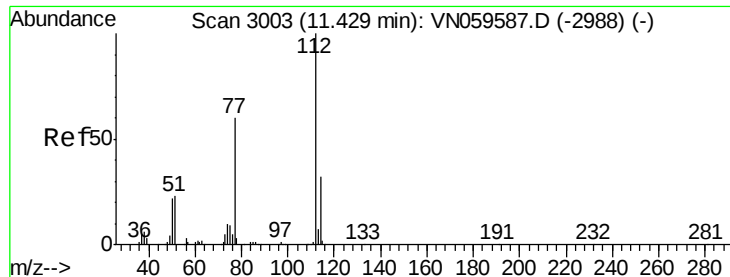
MMDadoda
12/19/2019 11:12:24 AM



#64
Tetrachloroethene
Concen: 52.015 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164364		
166	128.7		101.4	152.0
129	100.9		80.2	120.4
131	96.0		75.0	112.4





#65

Chlorobenzene

Concen: 48.994 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 359350

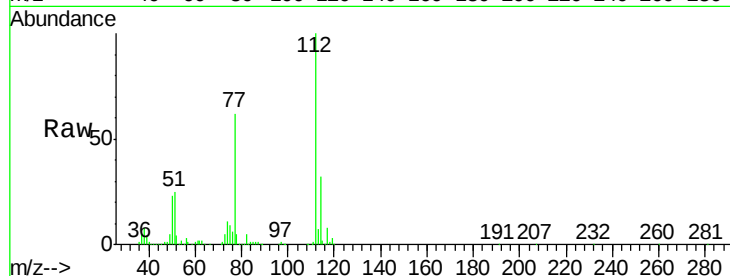
Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8

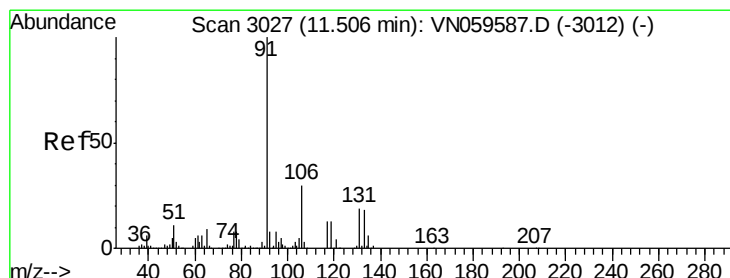
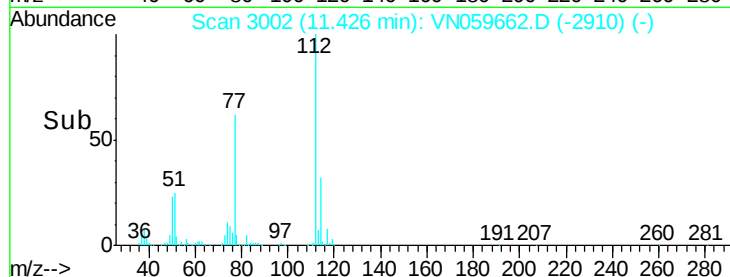
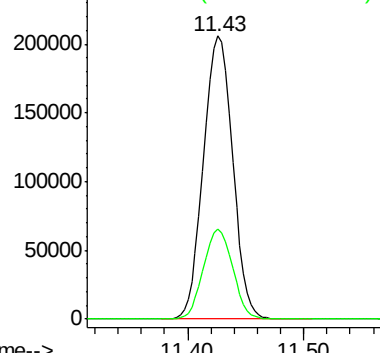
Manual Integrations
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MMDadoda
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.312 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

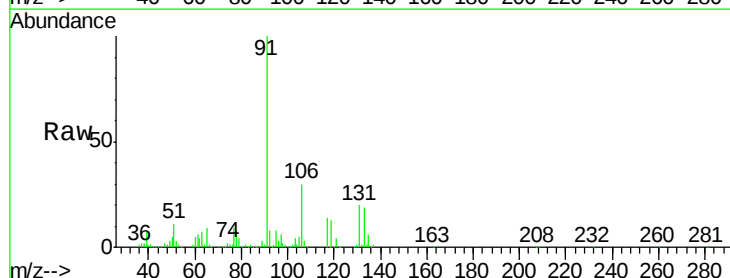
Tgt Ion:131 Resp: 140165

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

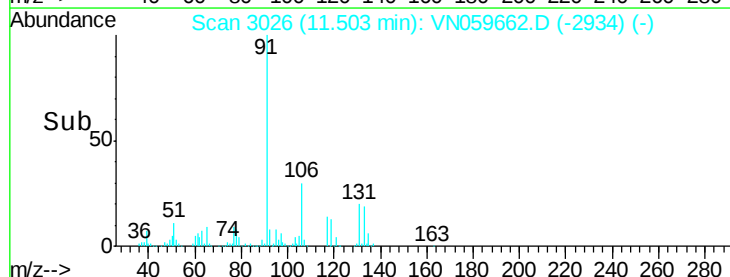
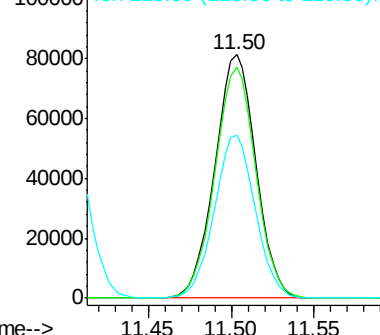
119 66.5 33.1 99.3

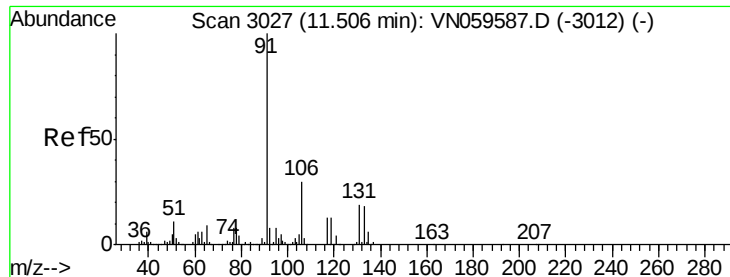


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.925 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 674211

Ion Ratio Lower Upper

91 100

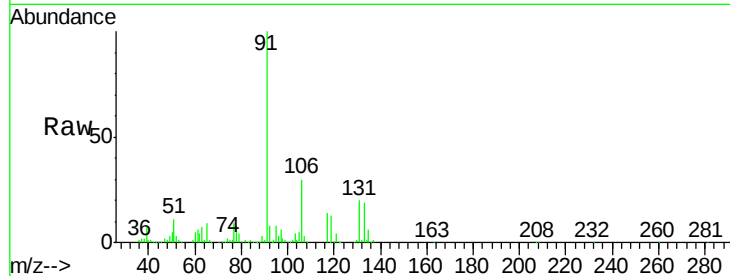
106 30.1 24.1 36.1

Manual Integrations

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12/19/2019 11:12:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

600000

500000

400000

300000

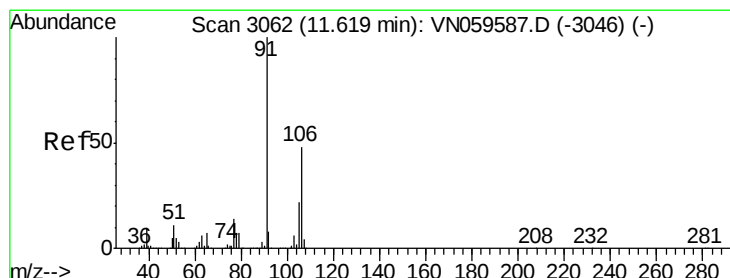
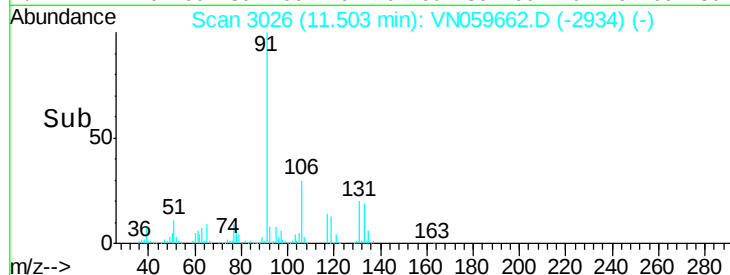
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 99.173 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059662.D

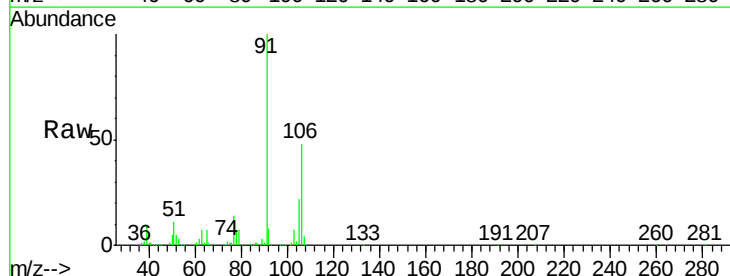
Acq: 18 Dec 2019 20:28

Tgt Ion: 106 Resp: 484839

Ion Ratio Lower Upper

106 100

91 208.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

600000

500000

400000

300000

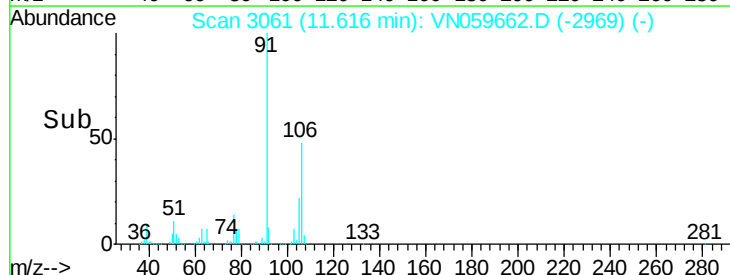
200000

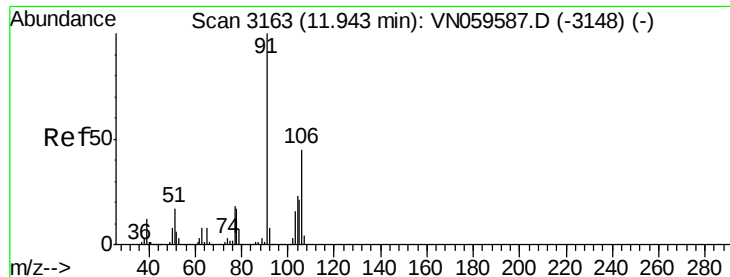
100000

0

11.50 11.60 11.70

Time-->





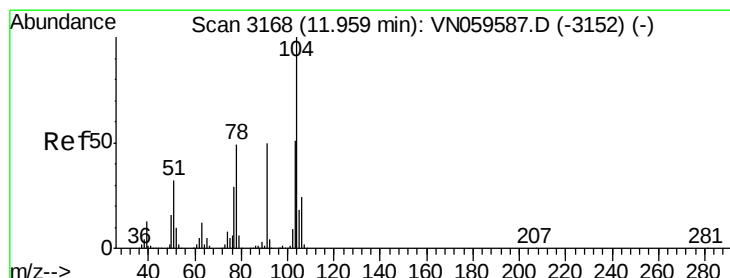
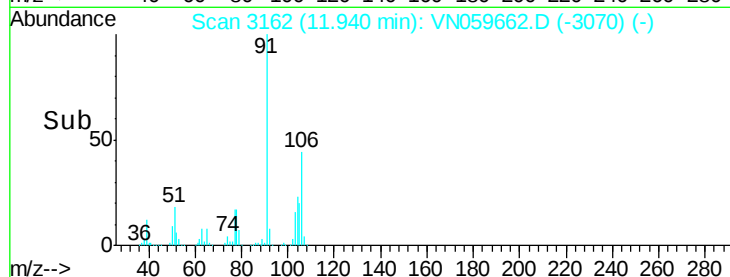
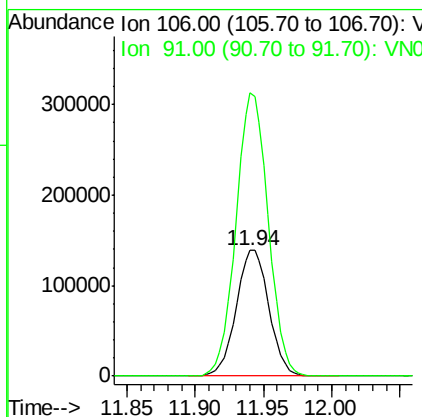
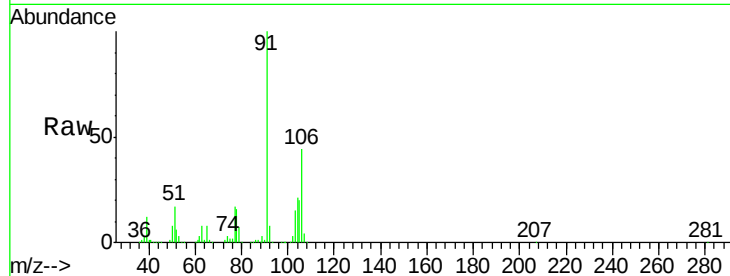
#69
o-Xylene
Concen: 49.607 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		230760		
91	222.1	110.3	330.9		

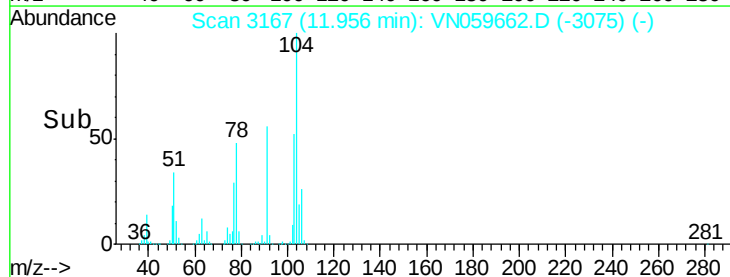
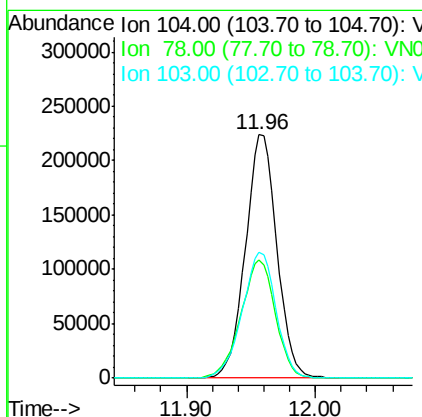
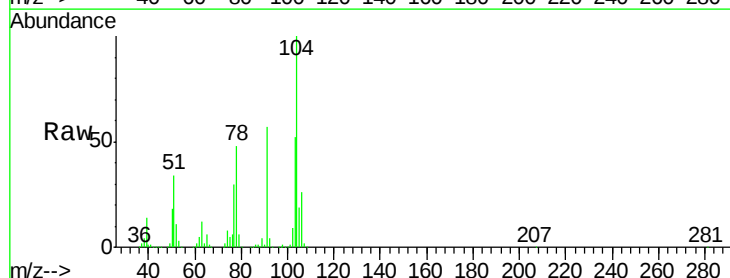
Manual Integrations
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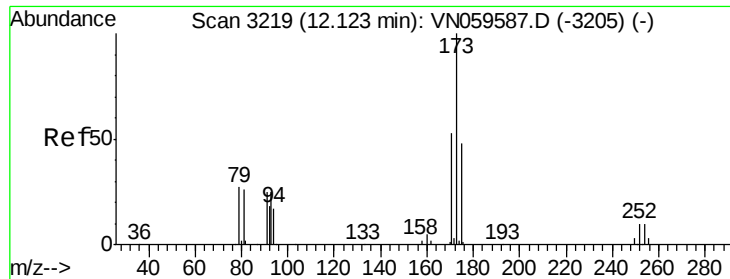
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#70
Styrene
Concen: 50.917 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		380545		
78	53.1	42.4	63.6		
103	55.8	43.9	65.9		





#71

Bromoform

Concen: 51.714 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

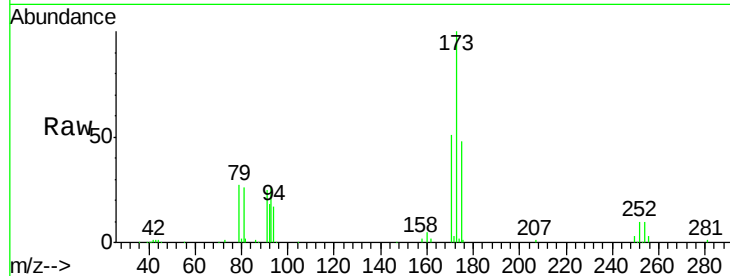
ClientSampleId :

VSTDCCC050EC

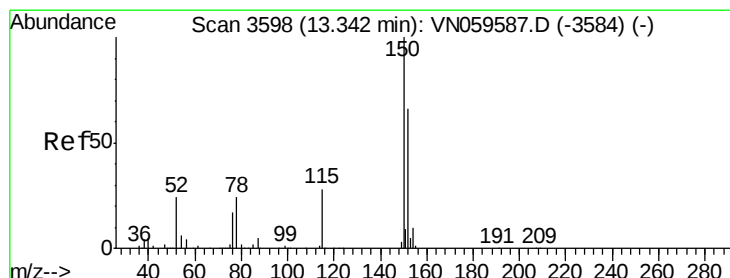
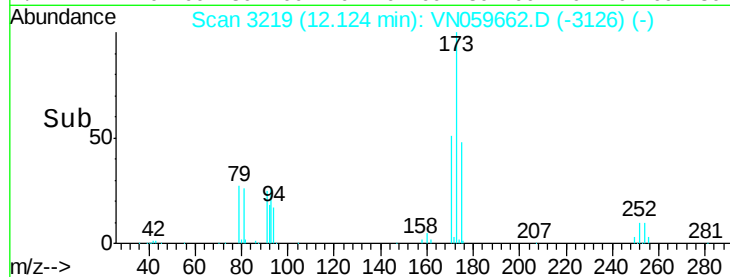
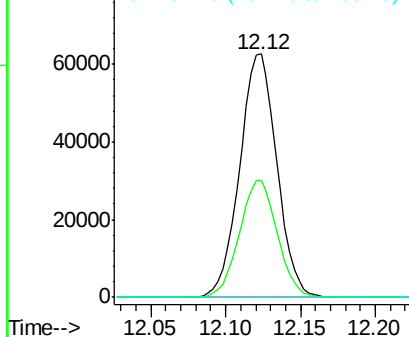
Tot Ion:	173	Resp:	108299
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

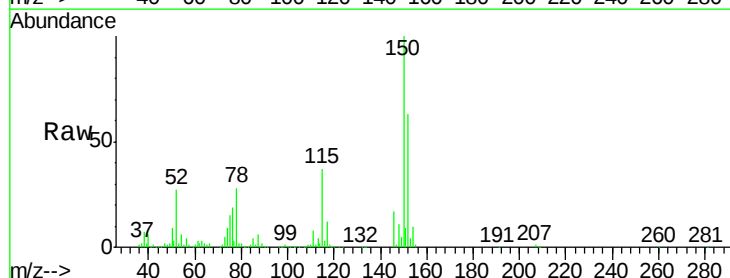
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

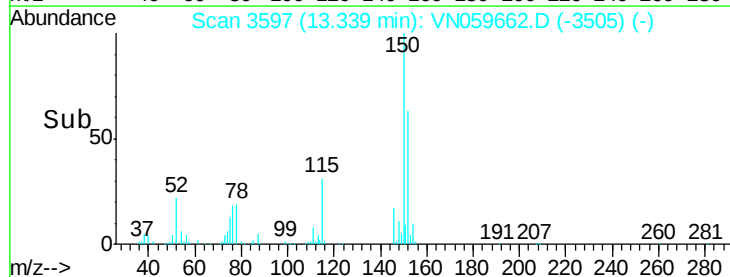
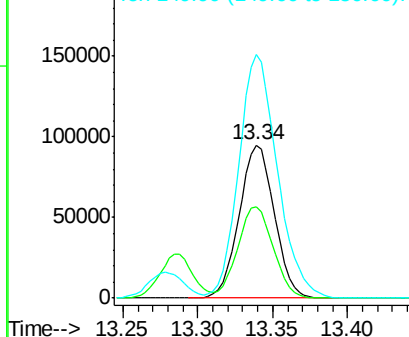
Lab File: VN059662.D

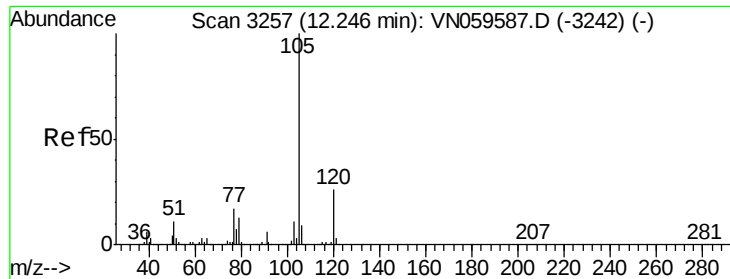
Acq: 18 Dec 2019 20:28

Tgt Ion:	152	Resp:	154892
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.3	90.9
150	175.3	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.675 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 628325

Ion Ratio Lower Upper

105 100

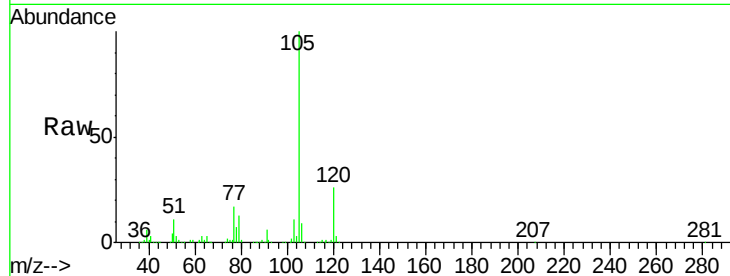
120 26.1 13.2 39.5

Manual Integrations

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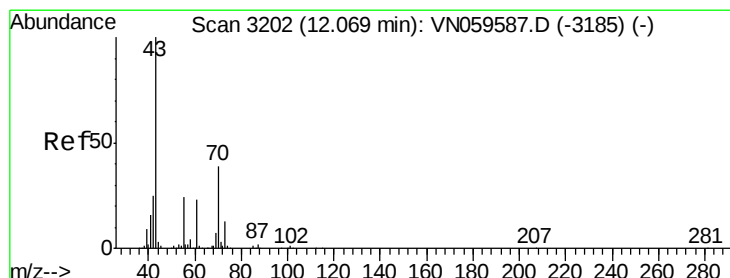
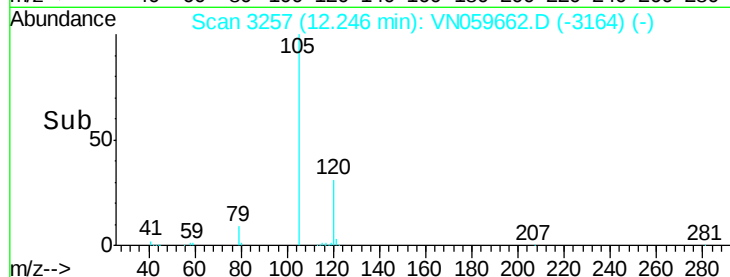
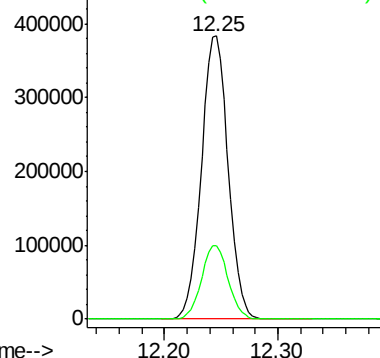
MMDadoda

12/19/2019 11:12:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.156 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion: 43 Resp: 296472

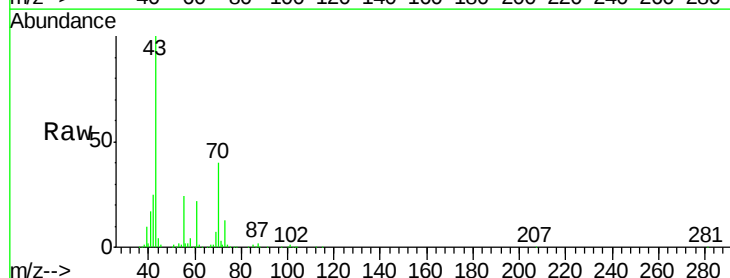
Ion Ratio Lower Upper

43 100

70 39.3 31.3 46.9

55 24.9 19.8 29.6

61 22.6 18.3 27.5

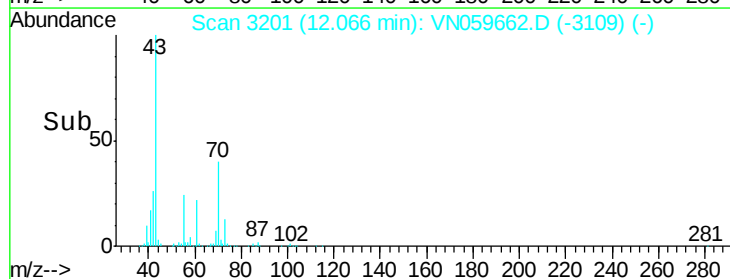
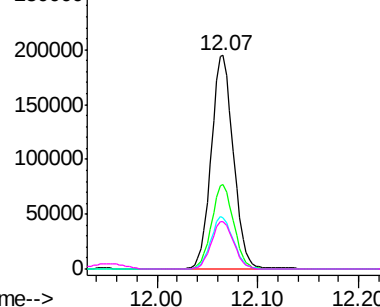


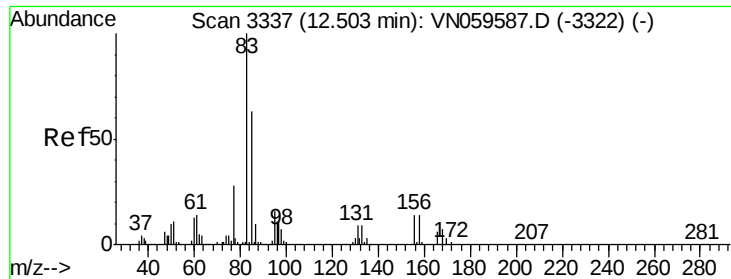
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.580 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

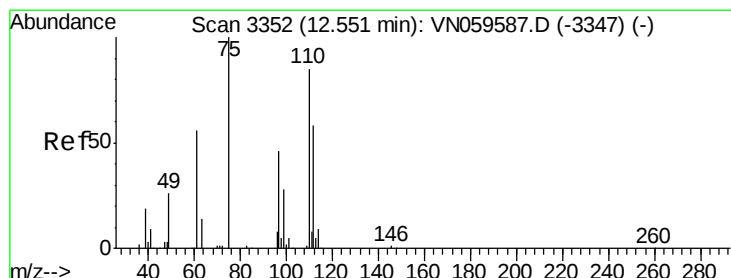
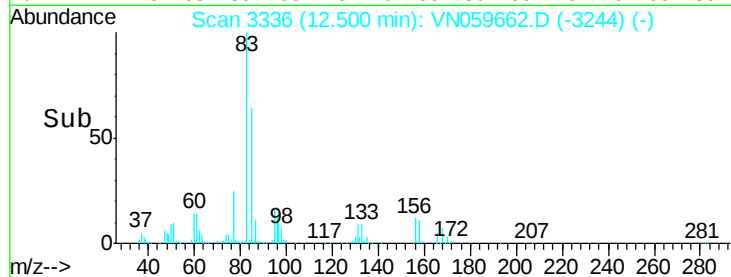
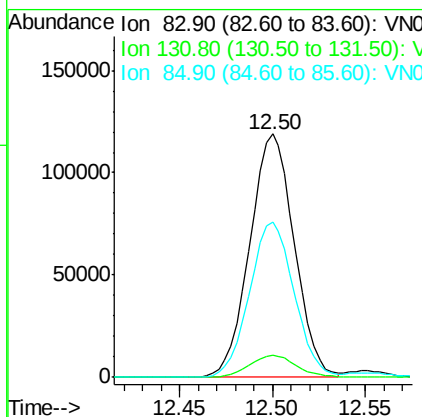
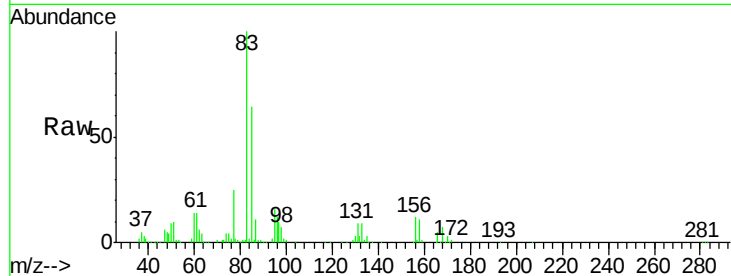
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	198946
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.0	14.9
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.642 ug/l m

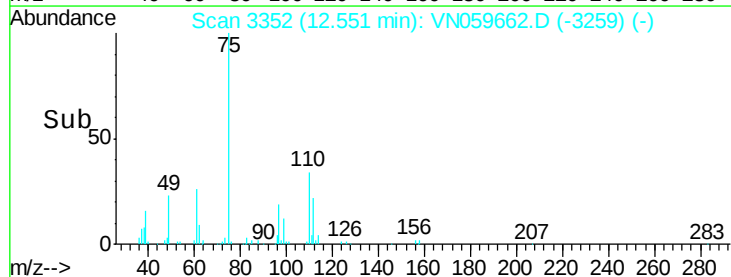
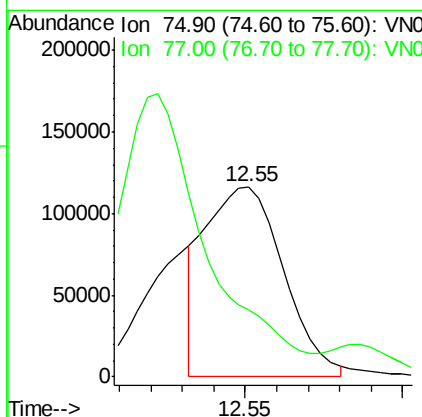
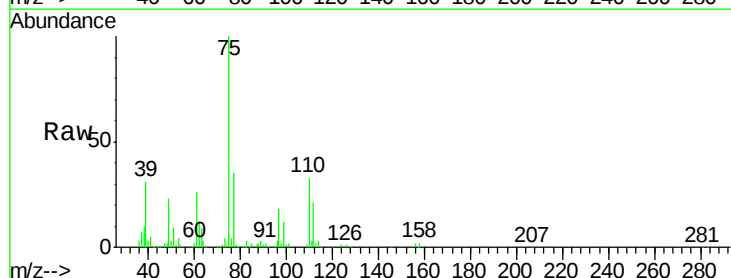
RT: 12.55 min Scan# 3352

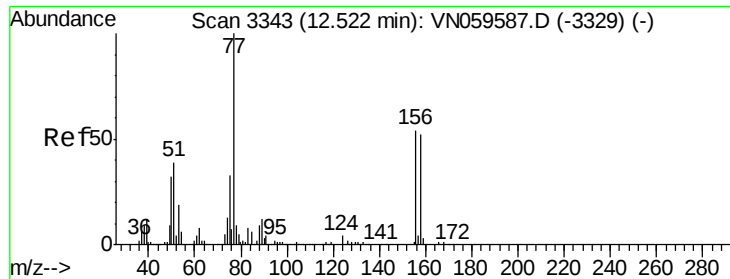
Delta R.T. 0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion:	75	Resp:	201853
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





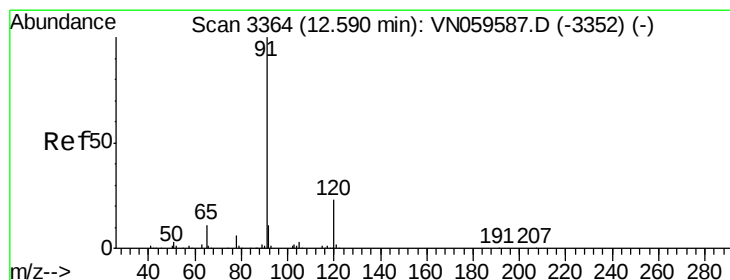
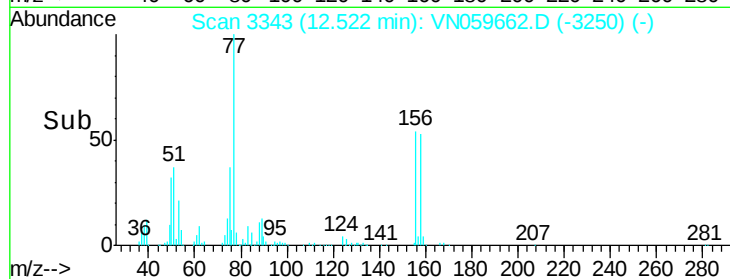
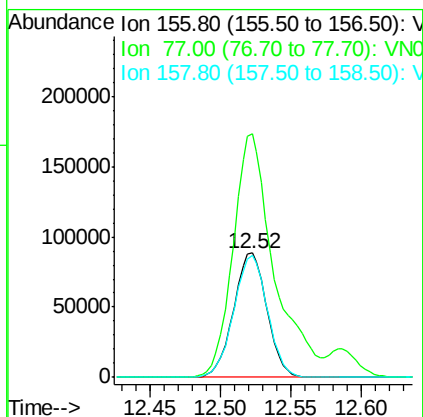
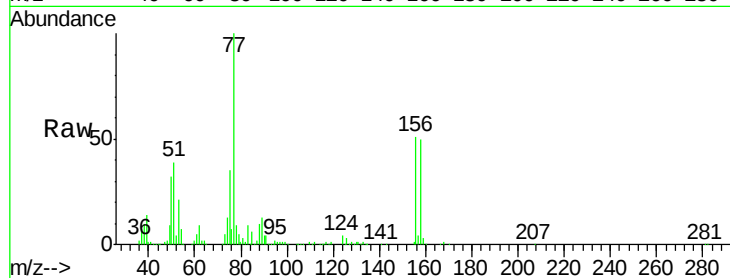
#77
Bromobenzene
Concen: 49.104 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	238.7	115.8	347.4
158	99.0	49.2	147.6

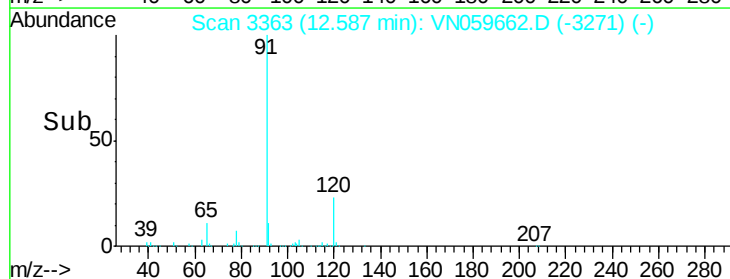
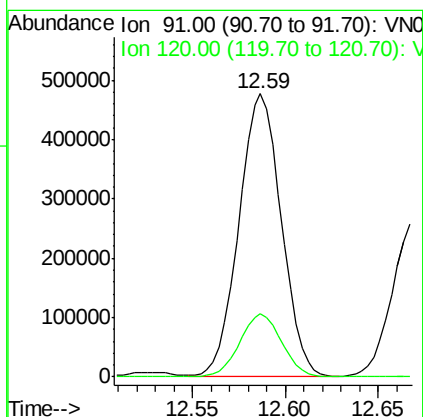
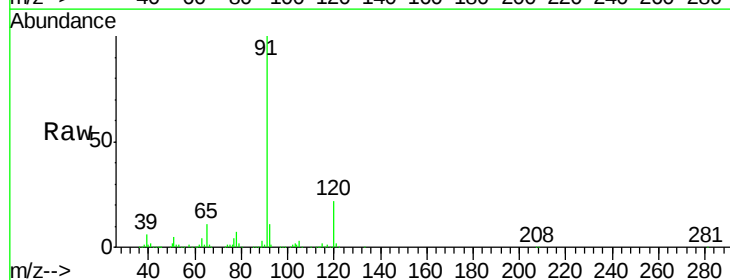
Manual Integrations
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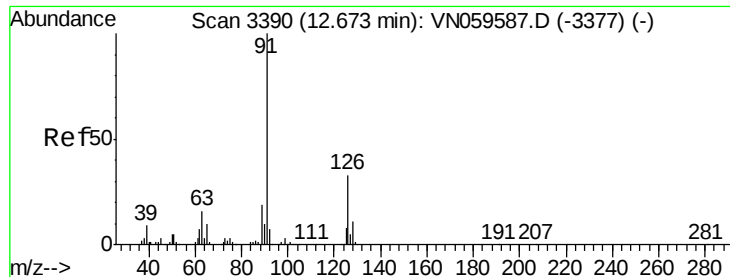
MMDadoda
12/19/2019 11:12:24 AM



#78
n-propylbenzene
Concen: 52.664 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 50.727 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 440878

Ion Ratio Lower Upper

91 100

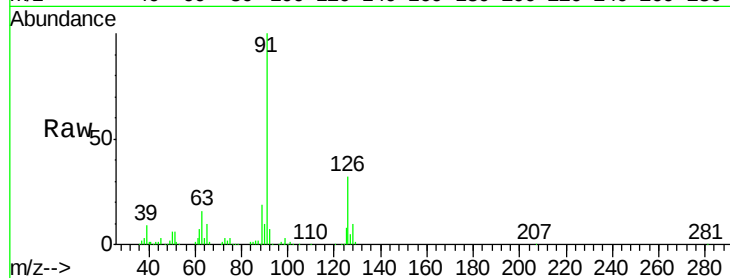
126 32.4 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

500000

400000

300000

200000

100000

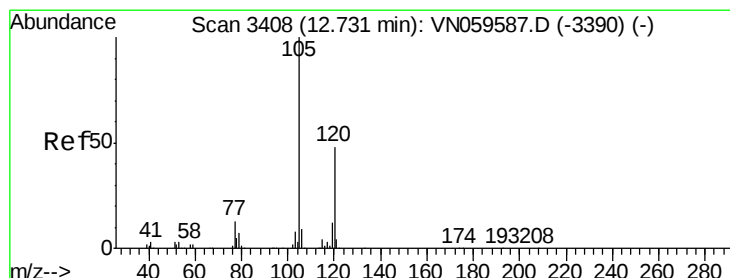
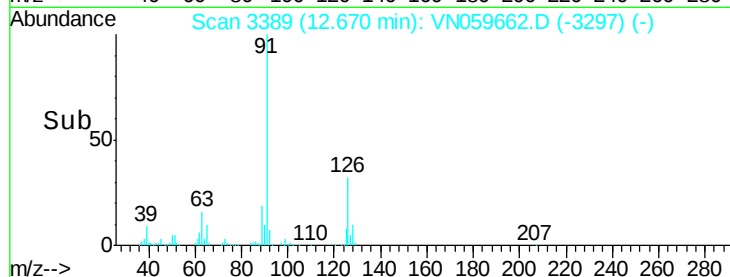
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.512 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059662.D

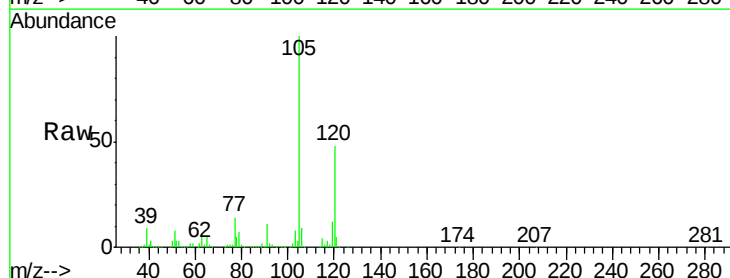
Acq: 18 Dec 2019 20:28

Tgt Ion: 105 Resp: 530041

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

400000

300000

200000

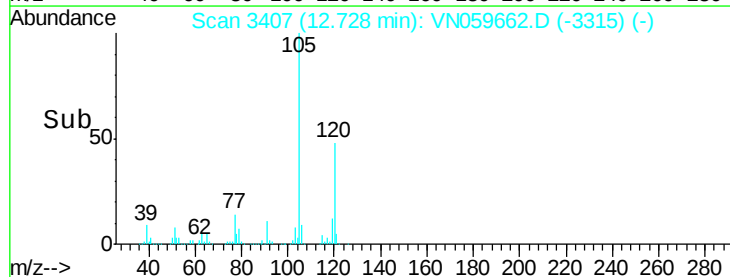
100000

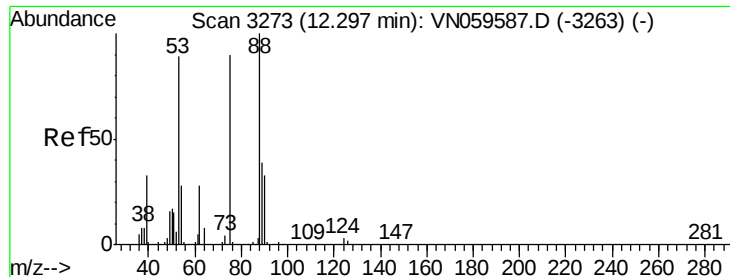
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.830 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 77360

Ion Ratio Lower Upper

75 100

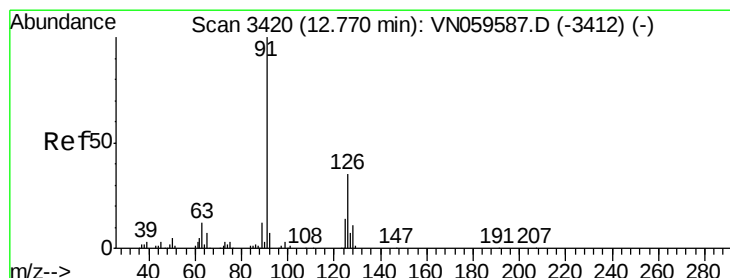
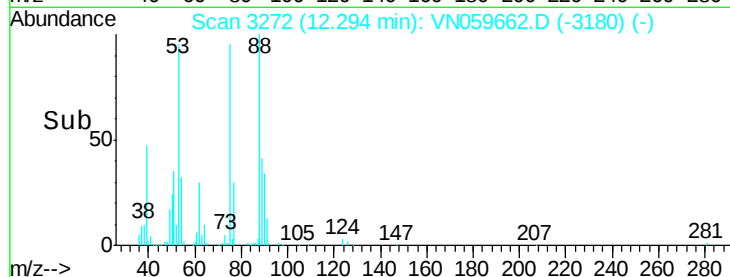
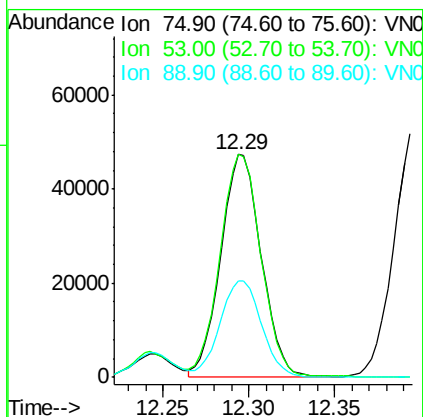
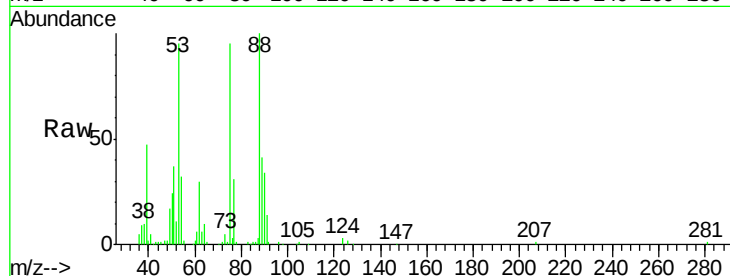
53 100.7 78.1 117.1

89 44.8 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.614 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059662.D

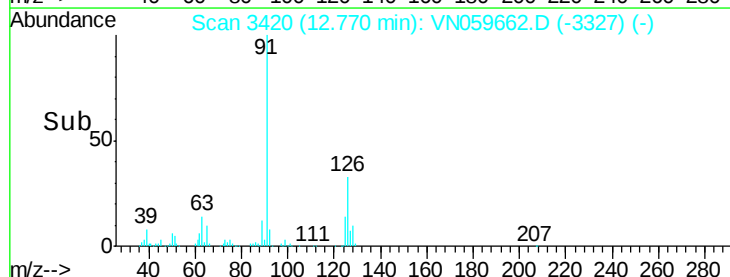
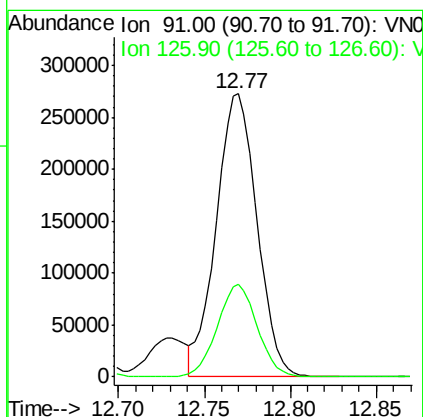
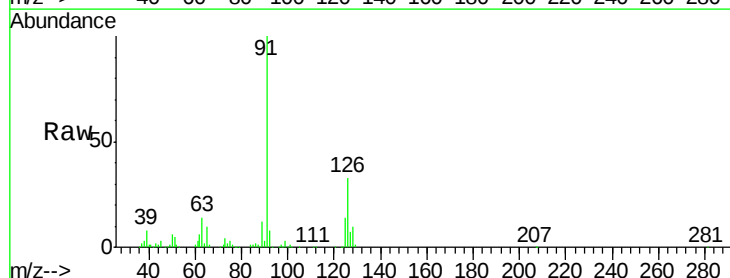
Acq: 18 Dec 2019 20:28

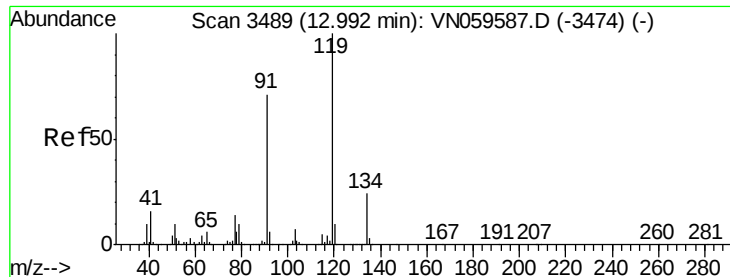
Tgt Ion: 91 Resp: 450402

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8





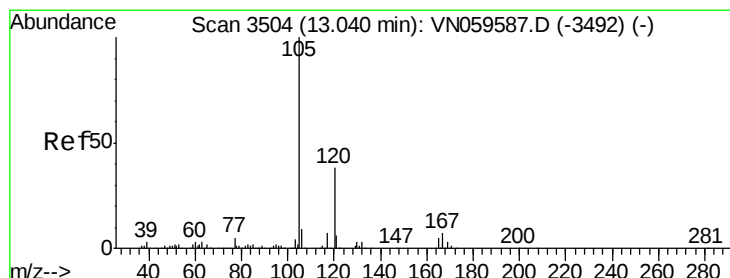
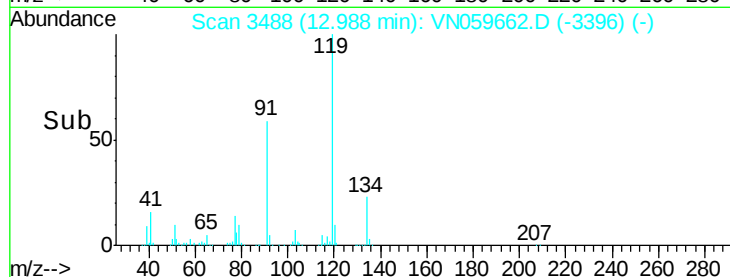
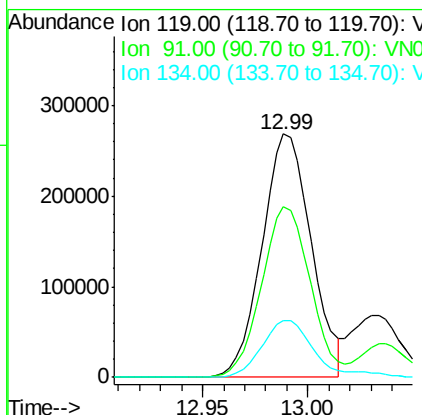
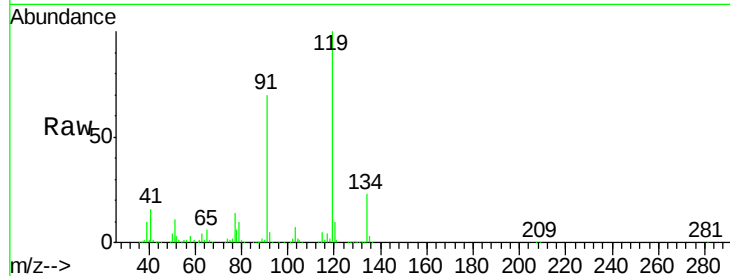
#83
 tert-Butylbenzene
 Concen: 50.146 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.8	104.4
134	24.9	12.3	36.9

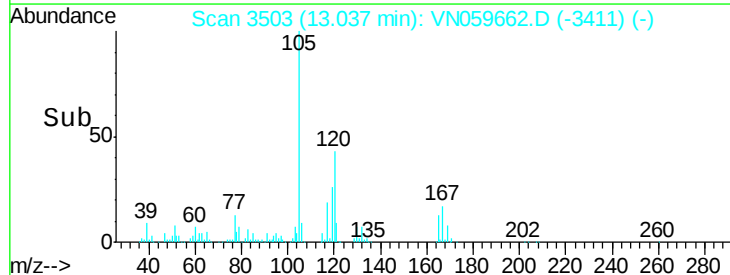
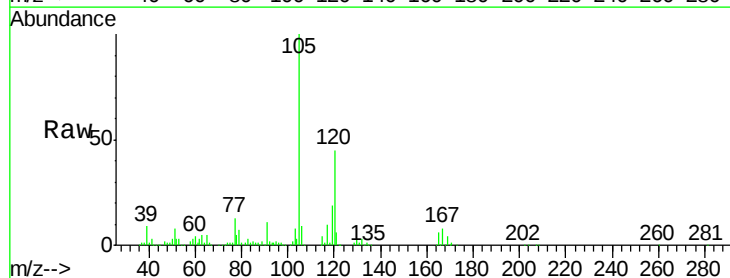
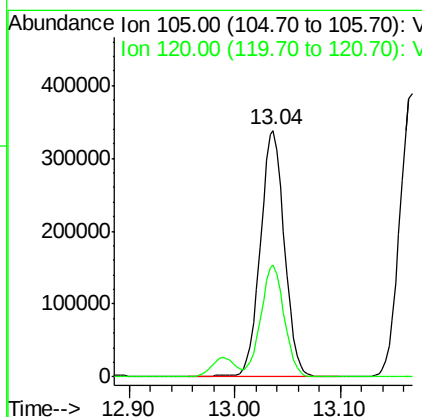
Manual Integrations
 APPROVED

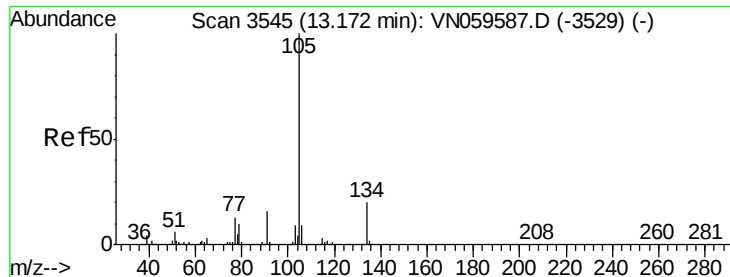
MMDadoda
 12/19/2019 11:12:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.713 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.202 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 605087

Ion Ratio Lower Upper

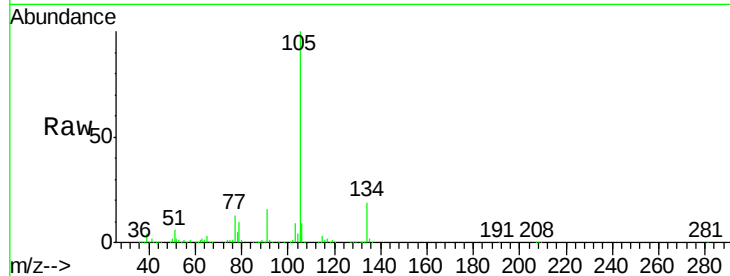
105 100

134 19.0 9.8 29.5

Manual Integrations
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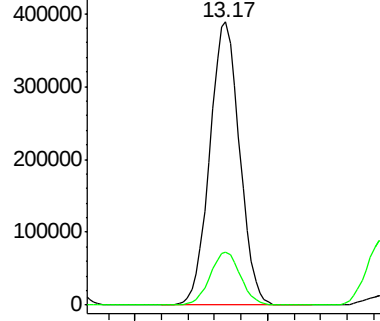
MMDadoda

12/19/2019 11:12:24 AM

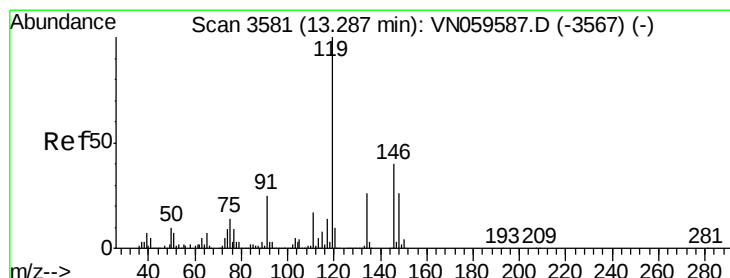
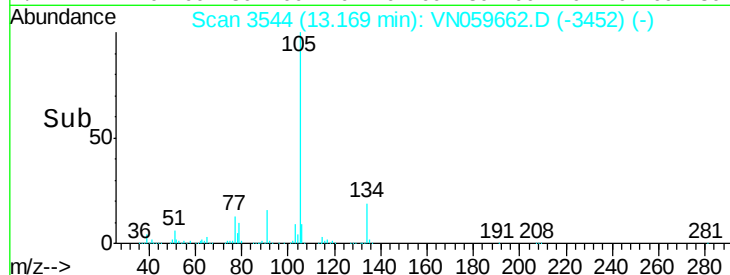


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.20



#86

p-Isopropyltoluene

Concen: 51.414 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

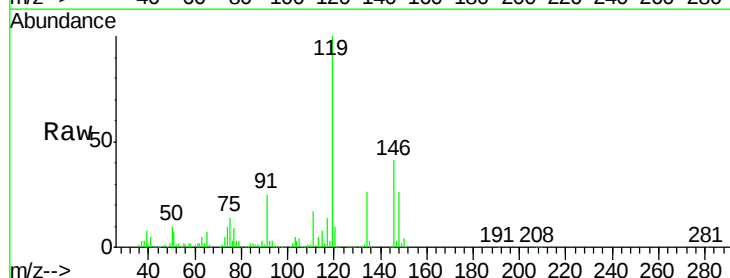
Tgt Ion:119 Resp: 539758

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

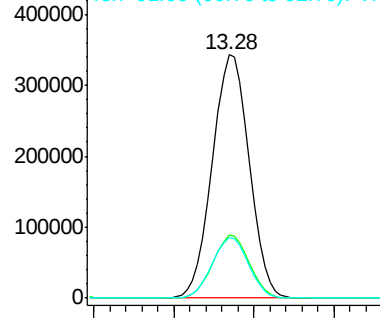
91 24.5 12.4 37.4



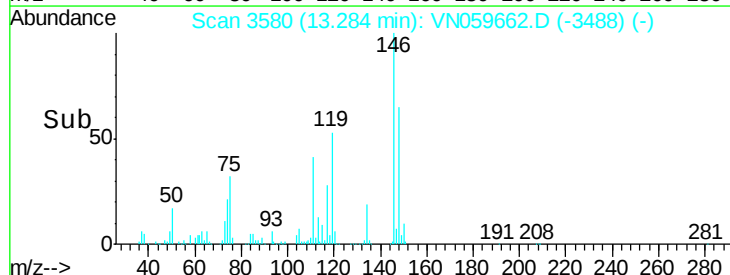
Abundance Ion 119.00 (118.70 to 119.70): V

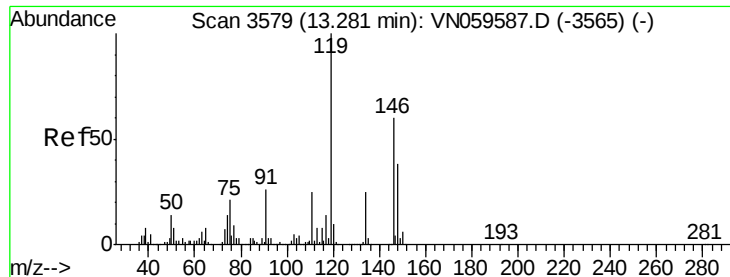
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 47.304 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

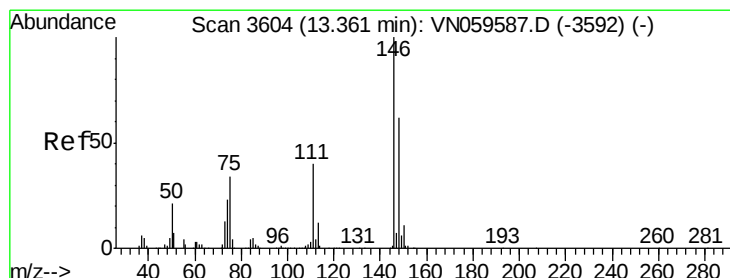
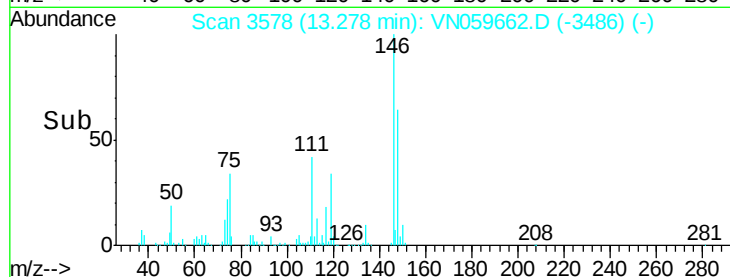
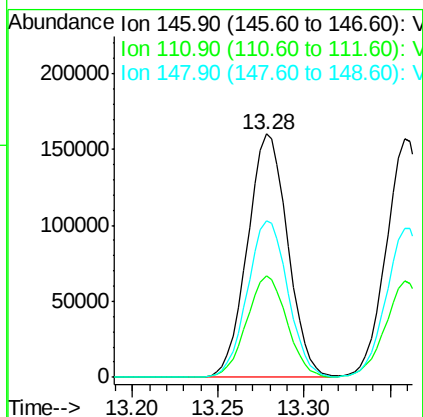
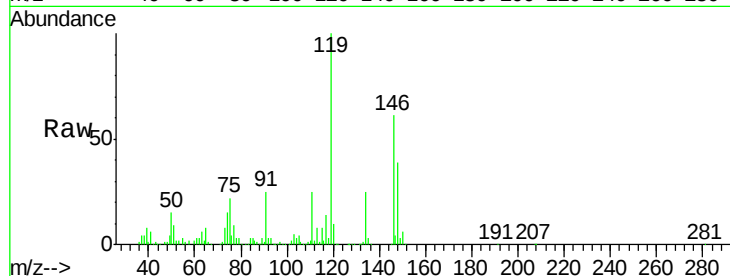
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	260099
Ion Ratio		Lower	Upper
146	100		
111	41.6	20.8	62.2
148	64.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.666 ug/l

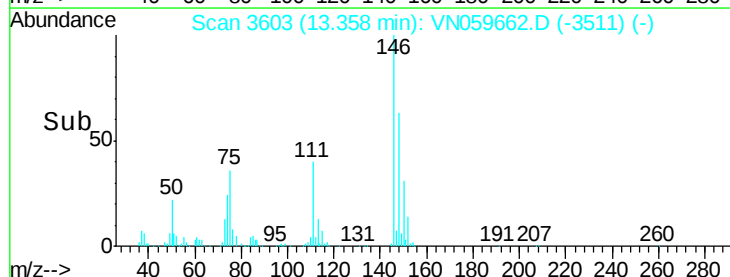
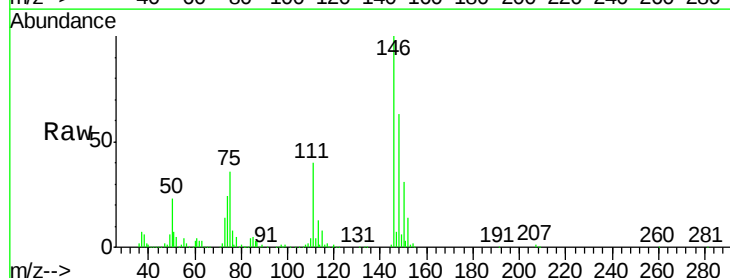
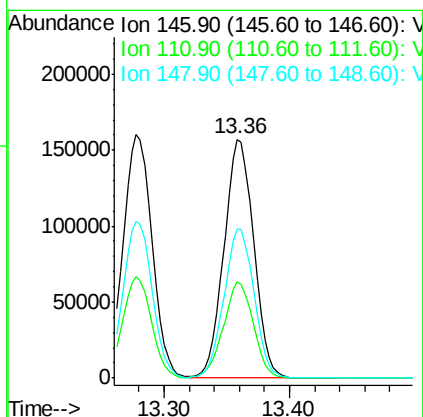
RT: 13.36 min Scan# 3603

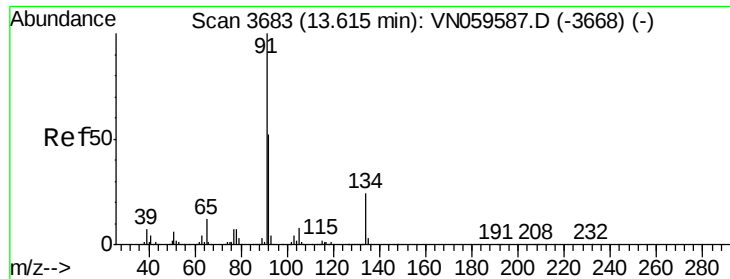
Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion:	146	Resp:	258705
Ion Ratio		Lower	Upper
146	100		
111	40.5	20.8	62.2
148	63.1	31.8	95.4





#89

n-Butylbenzene

Concen: 51.072 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

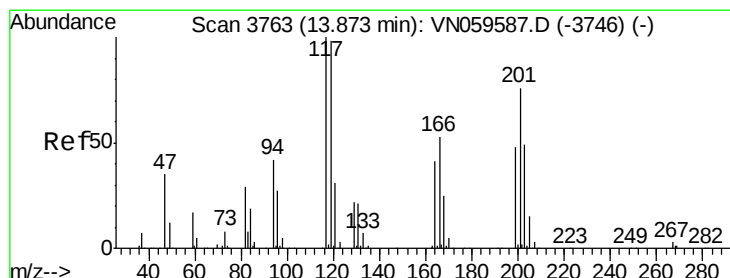
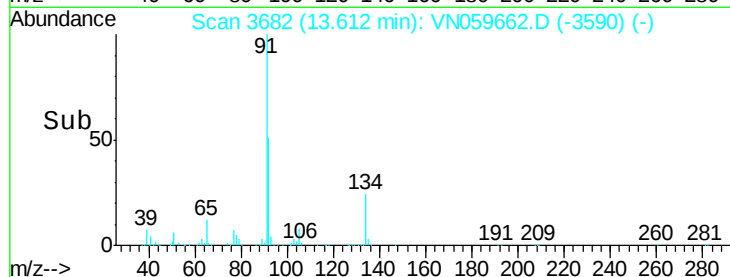
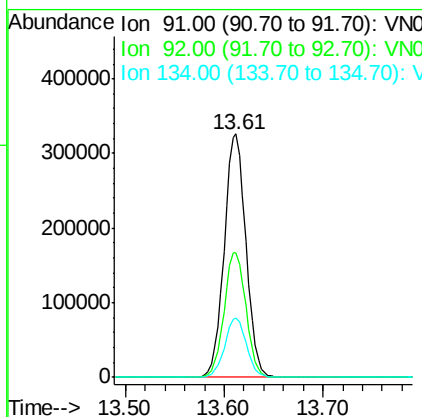
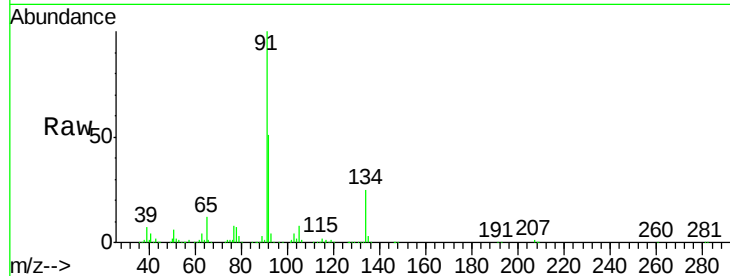
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	502678
Ion Ratio	Lower	Upper	
91	100		
92	51.6	25.9	77.7
134	24.4	12.3	36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 51.237 ug/l

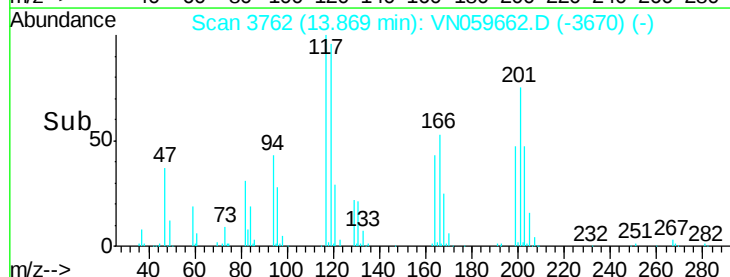
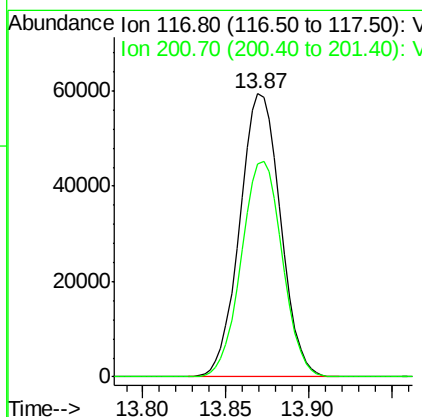
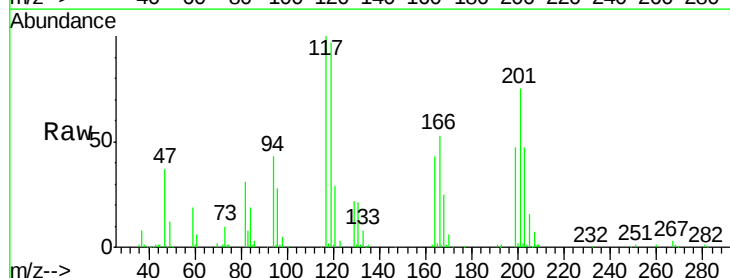
RT: 13.87 min Scan# 3762

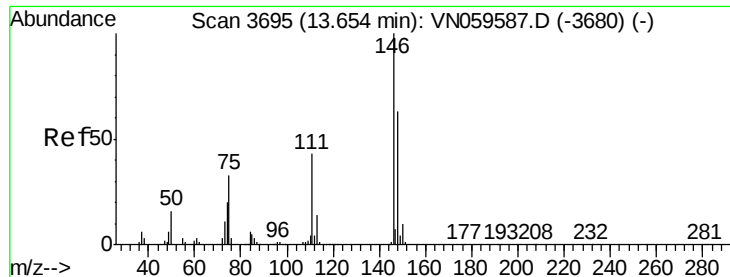
Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion:	117	Resp:	101675
Ion Ratio	Lower	Upper	
117	100		
201	76.5	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 46.940 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Instrument :

MSVOA_N

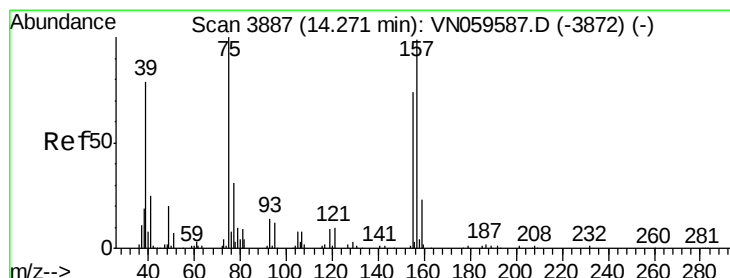
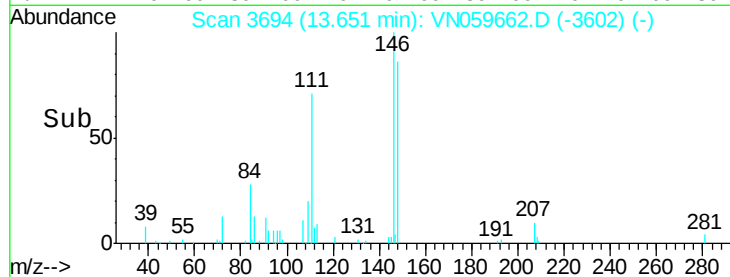
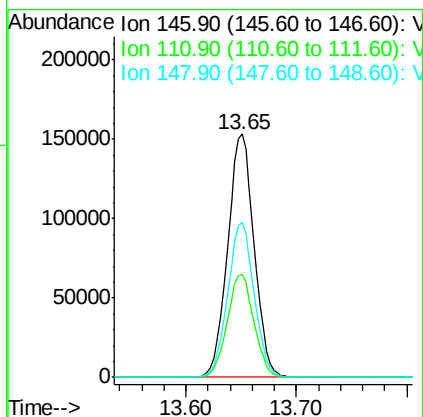
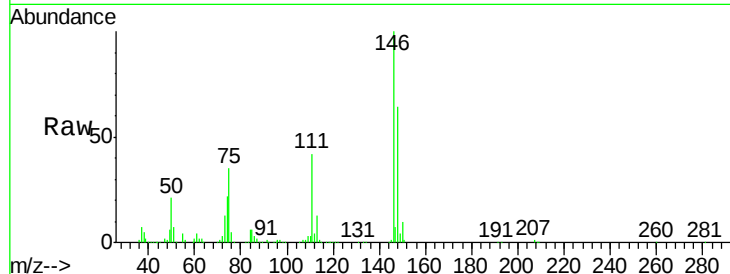
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	254536
Ion Ratio		Lower	Upper
146	100		
111	42.7	21.6	64.8
148	63.3	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.422 ug/l

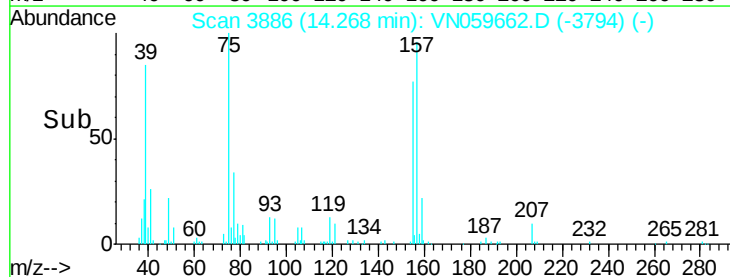
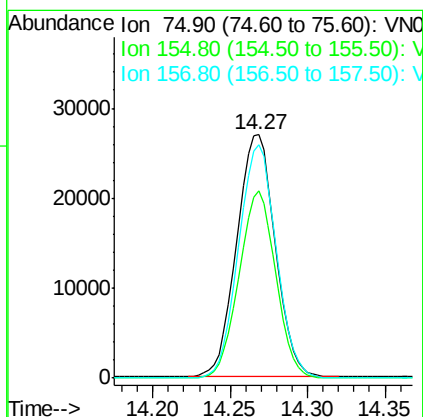
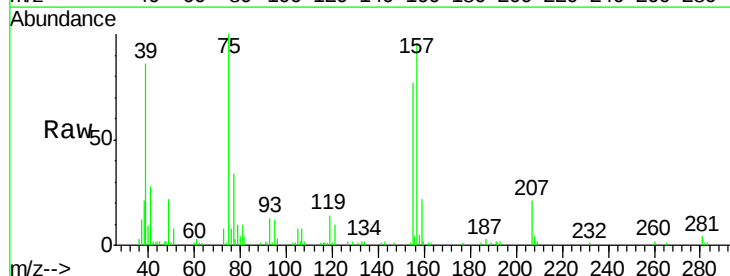
RT: 14.27 min Scan# 3886

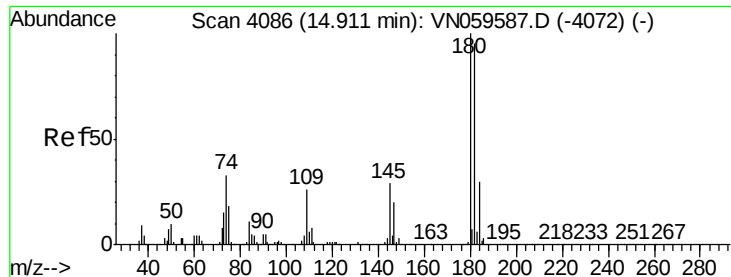
Delta R.T. -0.00 min

Lab File: VN059662.D

Acq: 18 Dec 2019 20:28

Tgt Ion:	75	Resp:	46512
Ion Ratio		Lower	Upper
75	100		
155	73.8	37.0	110.9
157	94.4	48.4	145.2





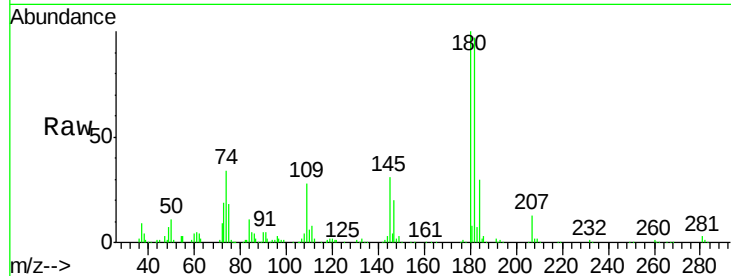
#93
 1,2,4-Trichlorobenzene
 Concen: 46.538 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

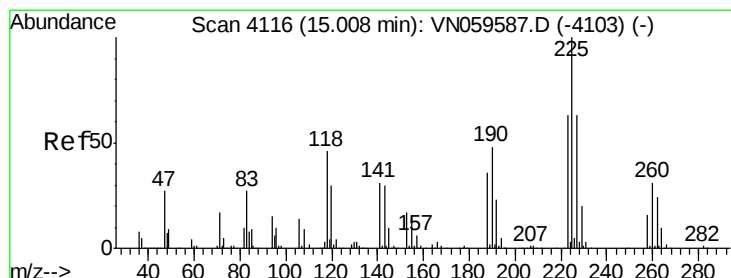
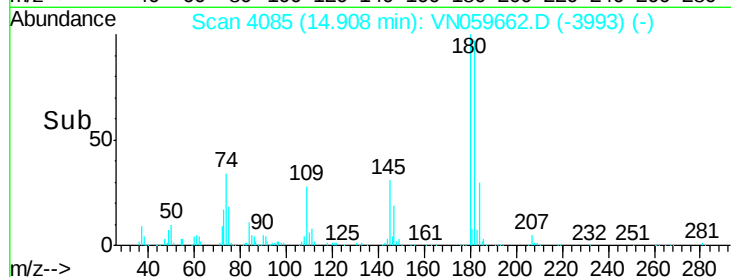
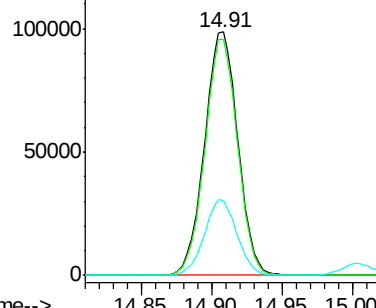
Tot Ion	Ratio	Resp	Lower	Upper
180	100	162958		
182	95.1	46.9	140.7	
145	30.6	15.0	45.1	

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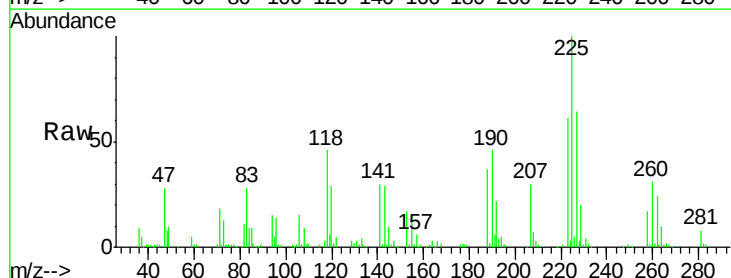


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

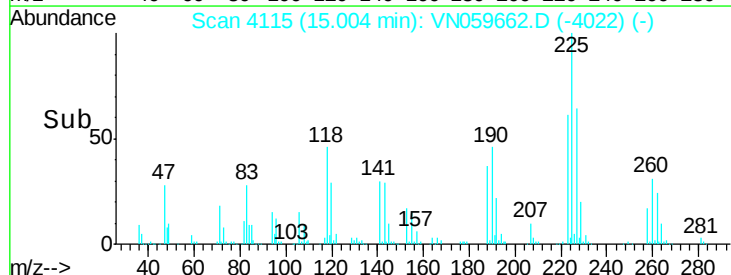
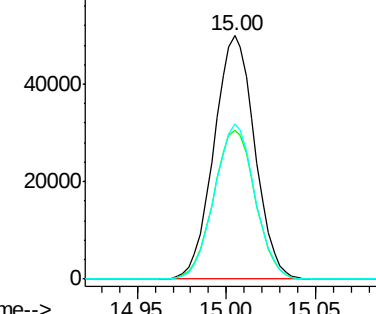


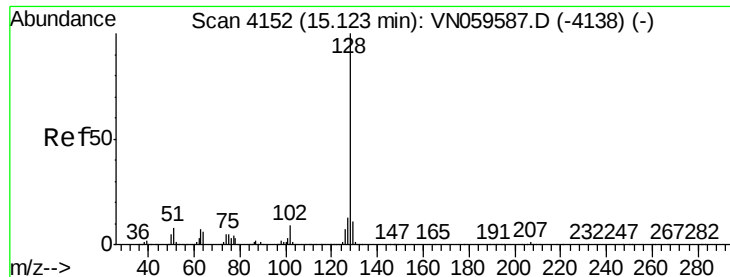
#94
 Hexachlorobutadiene
 Concen: 43.524 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059662.D
 Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79754		
223	62.5	31.8	95.3	
227	62.9	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





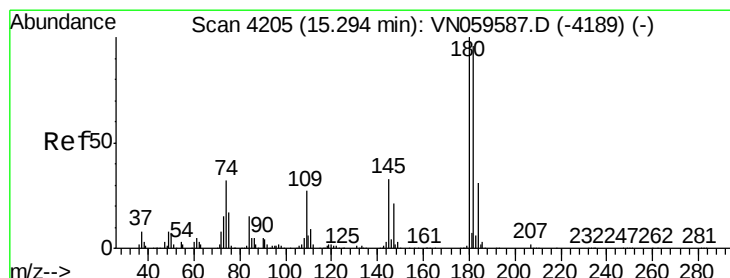
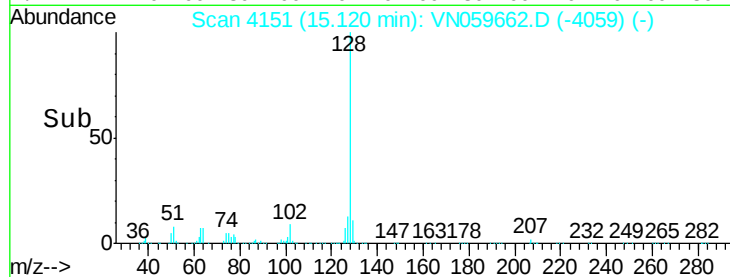
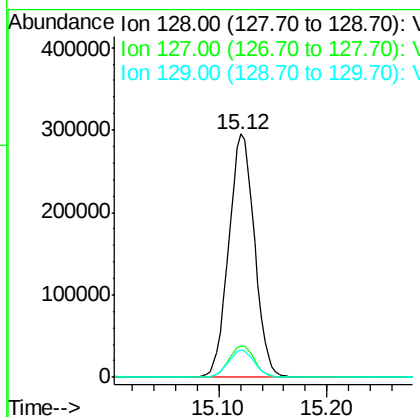
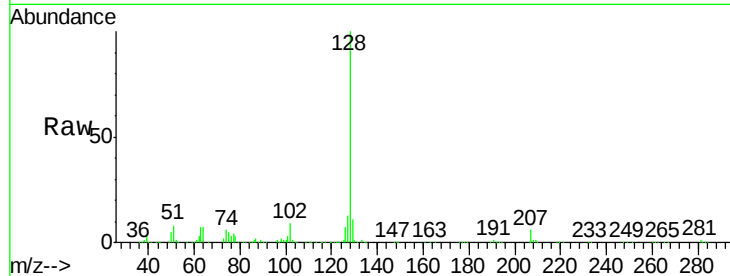
#95
Naphthalene
Concen: 47.179 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 46.882 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059662.D
Acq: 18 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.4	142.3
145	32.6	16.3	48.9

