

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058004.D
 Acq On : 13 Sep 2019 9:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:48:33 PM

Quant Time: Sep 14 02:22:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	325156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	525734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	504748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	334474	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.58	113	244169	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.08	98	980527	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.40	95	352619	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	223362	49.672	ug/l	99
3) Chloromethane	2.04	50	187898	40.997	ug/l	100
4) Vinyl Chloride	2.17	62	198411	40.904	ug/l	100
5) Bromomethane	2.54	94	125668	47.055	ug/l	97
6) Chloroethane	2.69	64	128413	41.545	ug/l	100
7) Trichlorofluoromethane	3.00	101	263250	43.125	ug/l	98
8) Diethyl Ether	3.39	74	120970	47.514	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	186390	48.403	ug/l	99
10) Methyl Iodide	3.93	142	201332	46.983	ug/l	100
11) Tert butyl alcohol	4.76	59	181469	227.665	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	161660	46.691	ug/l	97
13) Acrolein	3.59	56	21661	32.031	ug/l	98
14) Allyl chloride	4.30	41	319074m	47.090	ug/l	
15) Acrylonitrile	4.96	53	550966	251.482	ug/l	99
16) Acetone	3.79	43	554446	256.814	ug/l	99
17) Carbon Disulfide	4.03	76	231865	43.050	ug/l	98
18) Methyl Acetate	4.30	43	298169	51.798	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	733891	50.933	ug/l	98
20) Methylene Chloride	4.53	84	212258	51.686	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	177764	47.495	ug/l	95
22) Diisopropyl ether	5.93	45	813558	51.200	ug/l	99
23) Vinyl Acetate	5.87	43	2984447	265.020	ug/l	99
24) 1,1-Dichloroethane	5.83	63	428601	49.354	ug/l	99
25) 2-Butanone	6.81	43	796156	254.791	ug/l	97
26) 2,2-Dichloropropane	6.81	77	351163	51.096	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	243387	48.524	ug/l	98
28) Bromochloromethane	7.18	49	220615	50.850	ug/l	98
29) Tetrahydrofuran	7.19	42	478137	248.321	ug/l	98
30) Chloroform	7.36	83	454960	50.105	ug/l	98
31) Cyclohexane	7.64	56	302245	51.123	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	361911	50.255	ug/l	99
36) 1,1-Dichloropropene	7.78	75	285339	46.799	ug/l	100
37) Ethyl Acetate	6.91	43	311277	49.413	ug/l	100
38) Carbon Tetrachloride	7.76	117	285138	51.223	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	303416	47.339	ug/l	100
40) Benzene	8.03	78	909114	49.526	ug/l	98
41) Methacrylonitrile	7.16	41	141784m	49.583	ug/l	
42) 1,2-Dichloroethane	8.11	62	371968	50.668	ug/l	100
43) Isopropyl Acetate	8.15	43	558717	52.741	ug/l #	90
44) Trichloroethene	8.82	130	218685	48.572	ug/l	98
45) 1,2-Dichloropropane	9.11	63	271046	50.744	ug/l	99
46) Dibromomethane	9.20	93	164516	50.970	ug/l	99
47) Bromodichloromethane	9.39	83	343224	53.251	ug/l	99
48) Methyl methacrylate	9.19	41	265051	49.323	ug/l	99
49) 1,4-Dioxane	9.19	88	81277	894.377	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1669524	266.314	ug/l	99
52) Toluene	10.15	92	574680	49.706	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	363681	53.582	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396090	52.856	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	247825	50.604	ug/l	97
56) Ethyl methacrylate	10.43	69	377328	51.164	ug/l	100
57) 1,3-Dichloropropane	10.71	76	432185	51.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	822655	236.838	ug/l	99
59) 2-Hexanone	10.75	43	1230727	261.921	ug/l	100
60) Dibromochloromethane	10.90	129	242210	53.261	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237483	51.293	ug/l	99
64) Tetrachloroethene	10.63	164	175794	47.170	ug/l	98
65) Chlorobenzene	11.43	112	647930	49.050	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237755	51.870	ug/l	99
67) Ethyl Benzene	11.51	91	1175230	50.765	ug/l	98
68) m/p-Xylenes	11.62	106	864748	101.975	ug/l	99
69) o-Xylene	11.95	106	425474	50.469	ug/l	97
70) Styrene	11.97	104	750386	51.720	ug/l	99
71) Bromoform	12.13	173	151258	52.929	ug/l #	98
73) Isopropylbenzene	12.25	105	1198669	50.727	ug/l	100
74) N-amyl acetate	12.07	43	500606	48.679	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	381055	47.894	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	342351m	49.697	ug/l	
77) Bromobenzene	12.53	156	278696	47.305	ug/l	99
78) n-propylbenzene	12.59	91	1418680	52.283	ug/l	99
79) 2-Chlorotoluene	12.68	91	837300	48.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1027843	51.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97929	50.025	ug/l	96
82) 4-Chlorotoluene	12.78	91	883166	50.147	ug/l	99
83) tert-Butylbenzene	13.00	119	895215	50.441	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1049914	51.739	ug/l	98
85) sec-Butylbenzene	13.18	105	1216562	51.717	ug/l	100
86) p-Isopropyltoluene	13.29	119	1094050	52.785	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535190	49.491	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	537467	48.965	ug/l	99
89) n-Butylbenzene	13.62	91	1019699	52.096	ug/l	100
90) Hexachloroethane	13.88	117	158796	51.516	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	538786	49.872	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	70814	53.895	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	333279	47.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	146498	48.942	ug/l	98
95) Naphthalene	15.13	128	930424	52.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315855	51.212	ug/l	99

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

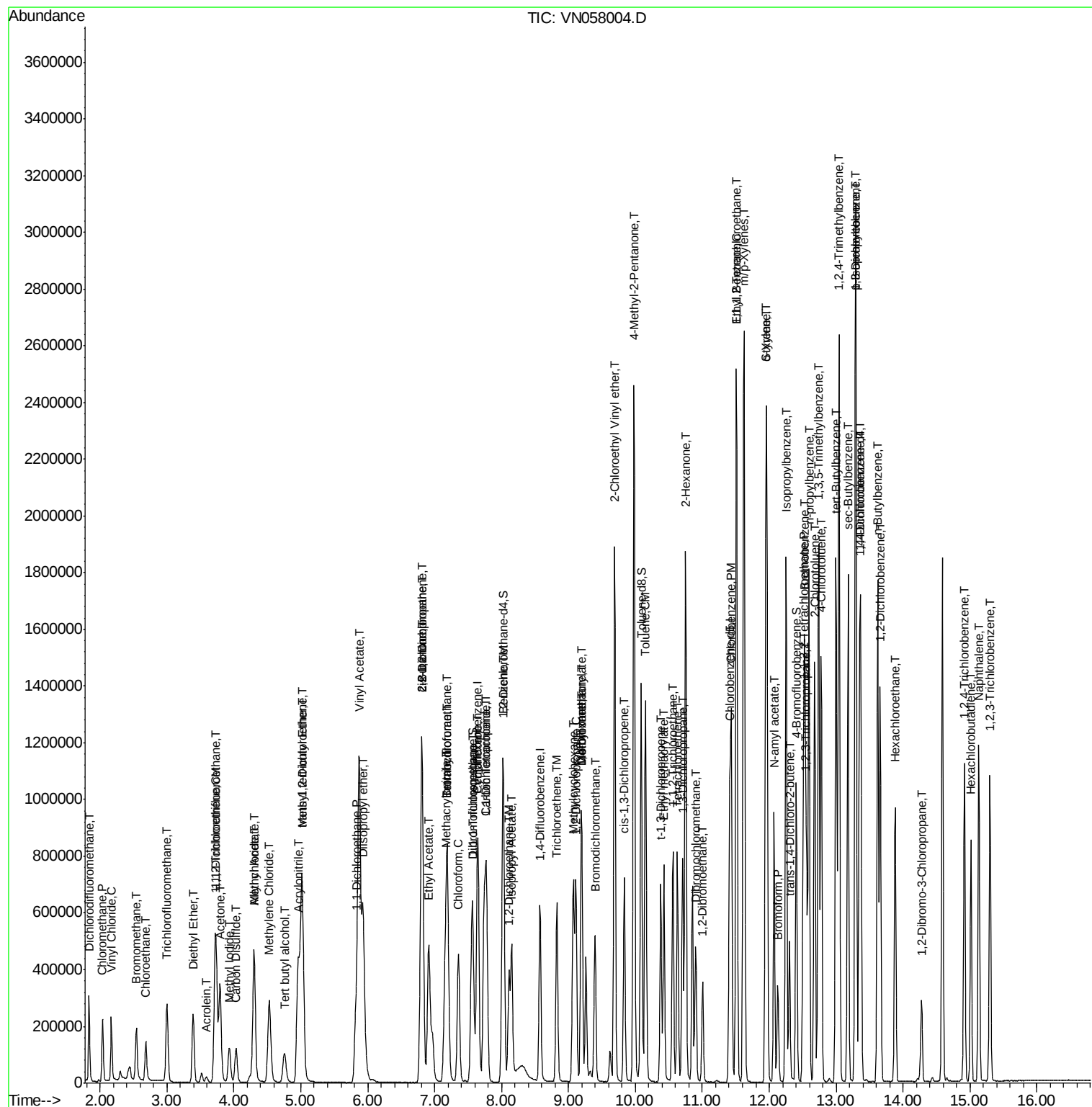
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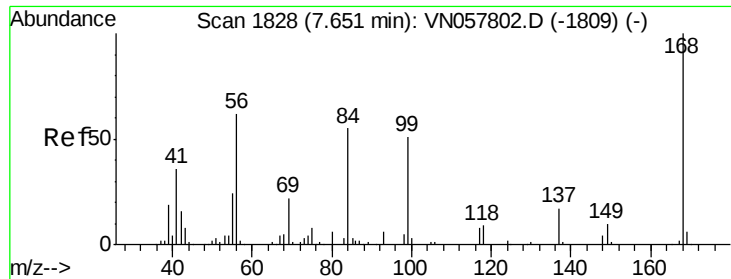
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 325156

Ion Ratio Lower Upper

168 100

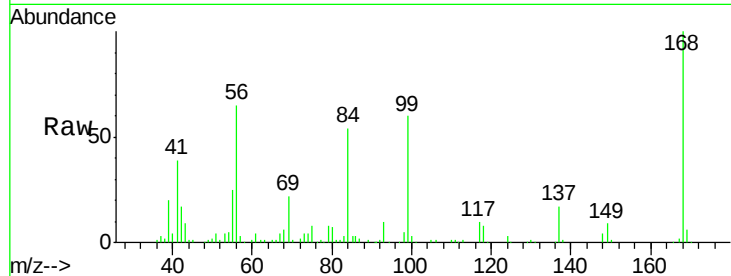
99 59.5 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

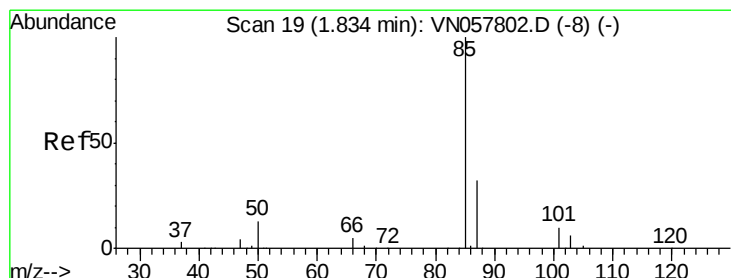
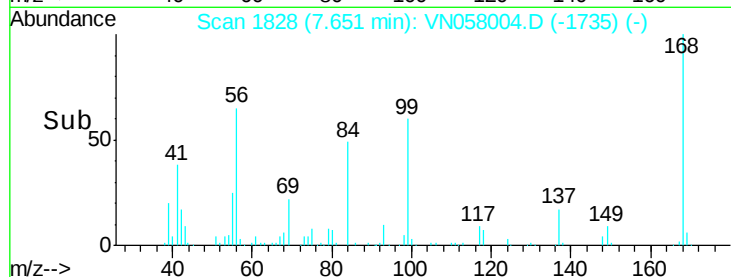
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.672 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058004.D

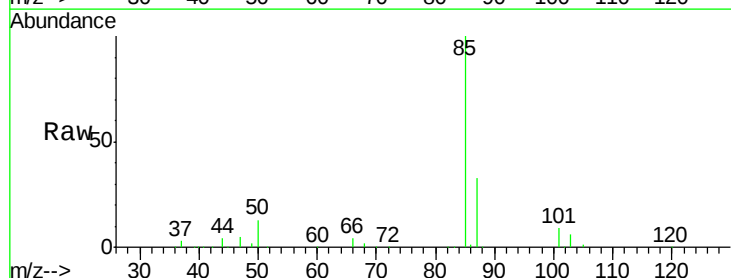
Acq: 13 Sep 2019 9:34

Tgt Ion: 85 Resp: 223362

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

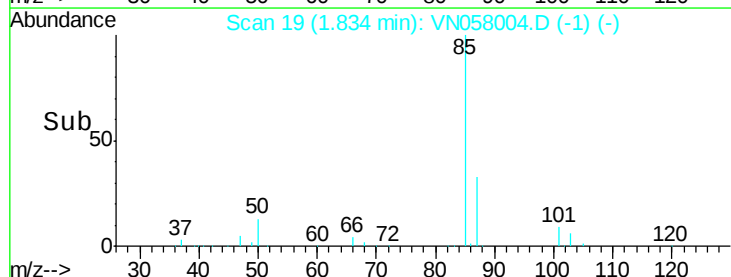
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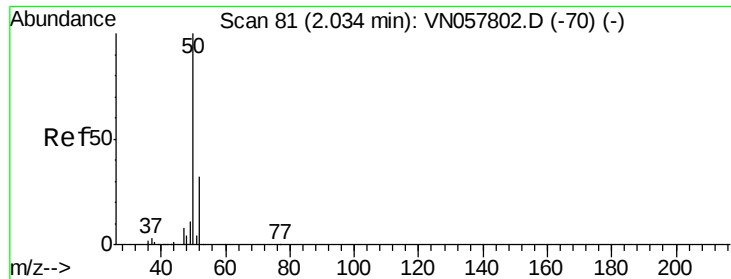
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 40.997 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tot Ion: 50 Resp: 187898

Ion Ratio Lower Upper

50 100

52 32.2 25.5 38.3

Instrument :

MSVOA_N

ClientSampled :

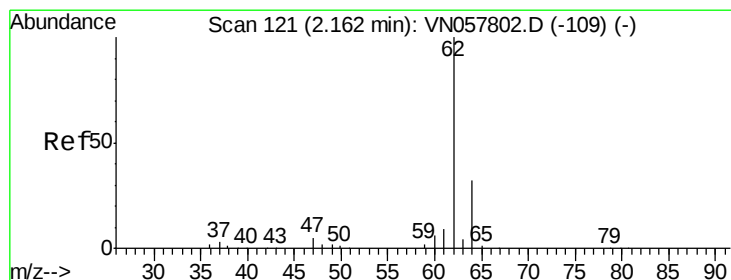
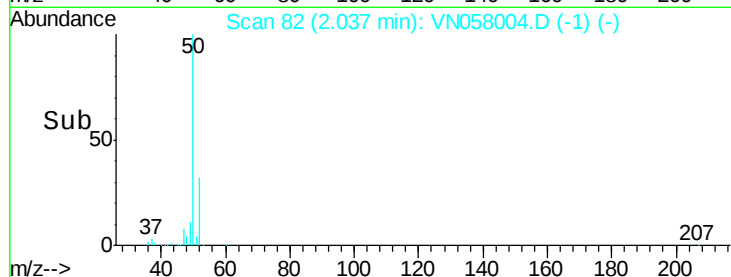
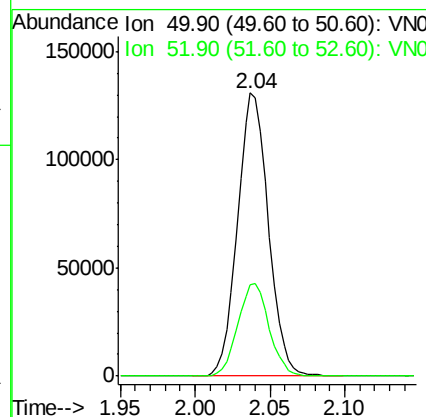
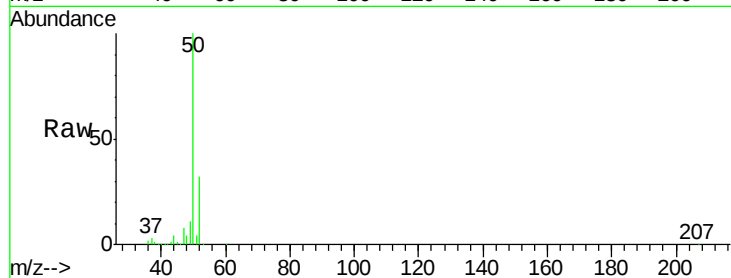
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.904 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058004.D

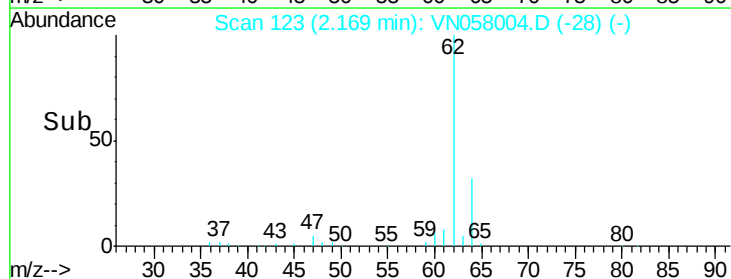
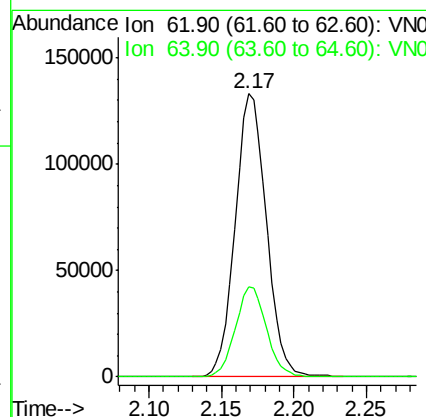
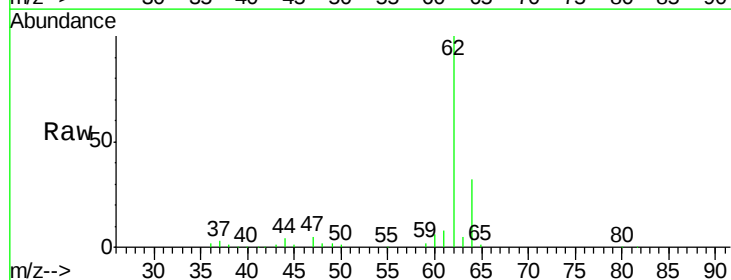
Acq: 13 Sep 2019 9:34

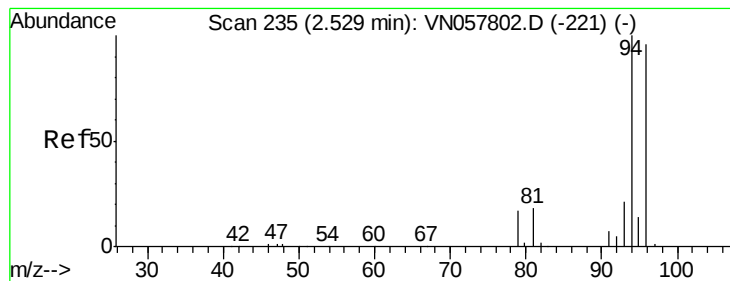
Tgt Ion: 62 Resp: 198411

Ion Ratio Lower Upper

62 100

64 31.9 25.6 38.4





#5

Bromomethane

Concen: 47.055 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 125668

Ion Ratio Lower Upper

94 100

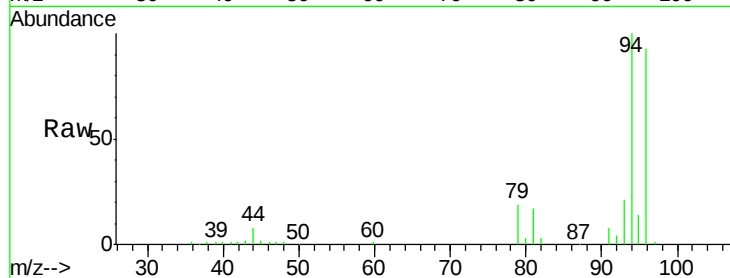
96 93.1 77.0 115.4

Manual Integrations

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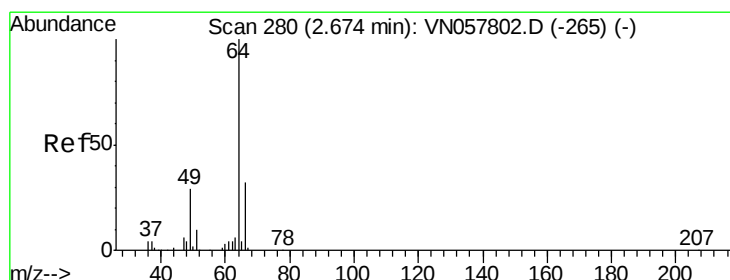
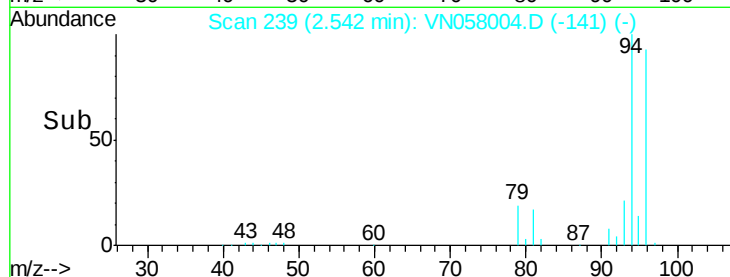
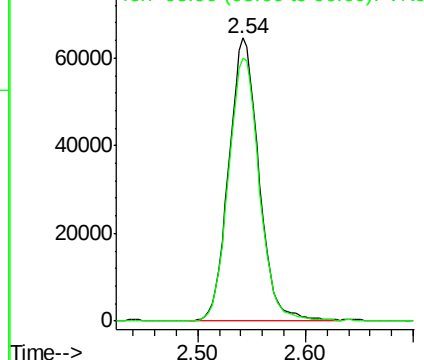
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.545 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058004.D

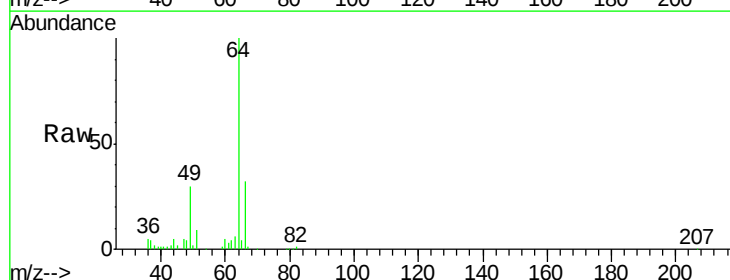
Acq: 13 Sep 2019 9:34

Tgt Ion: 64 Resp: 128413

Ion Ratio Lower Upper

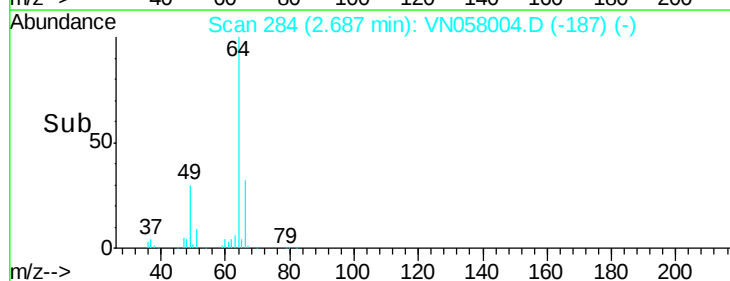
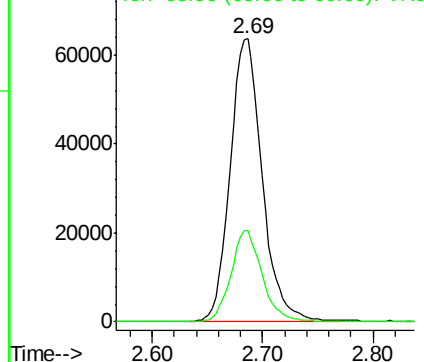
64 100

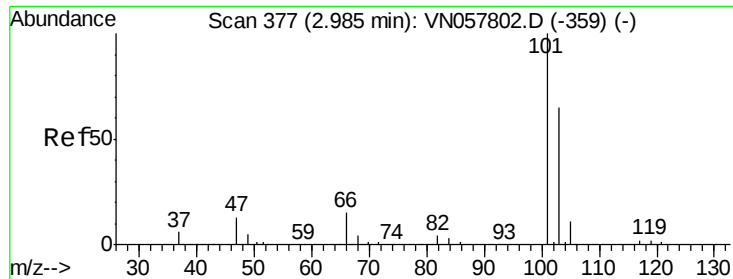
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

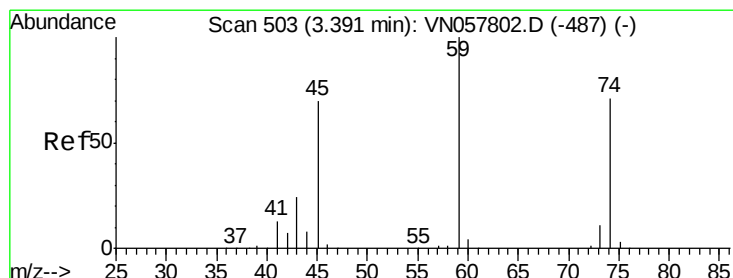
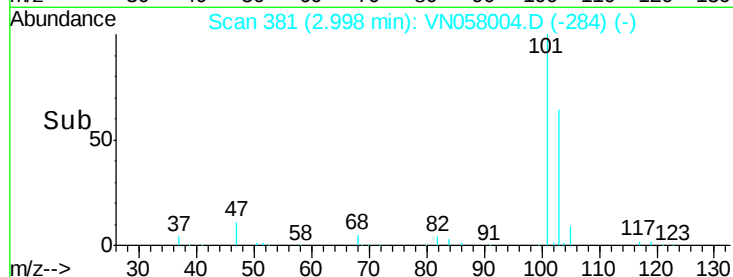
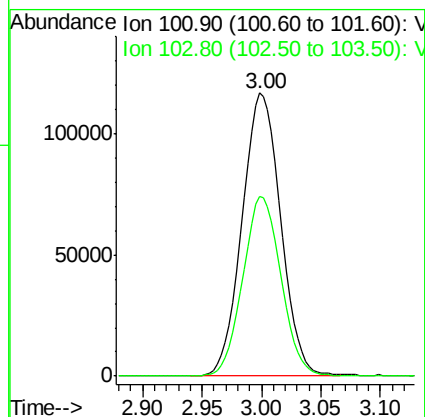
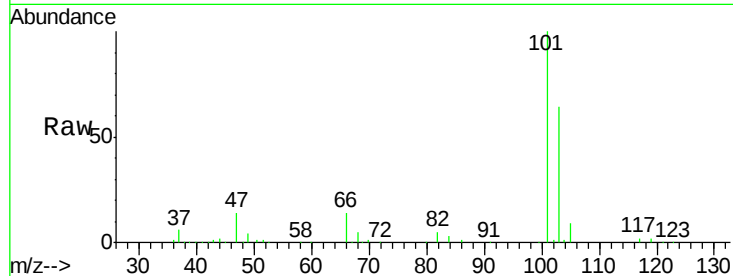
Trichlorofluoromethane
 Concen: 43.125 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	263250		
103	63.7	51.9	77.9	

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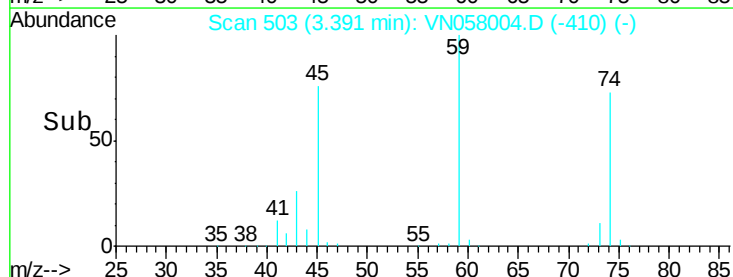
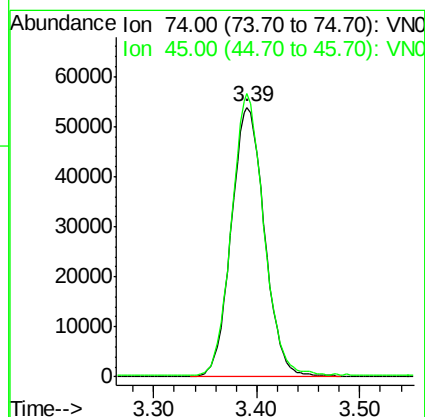
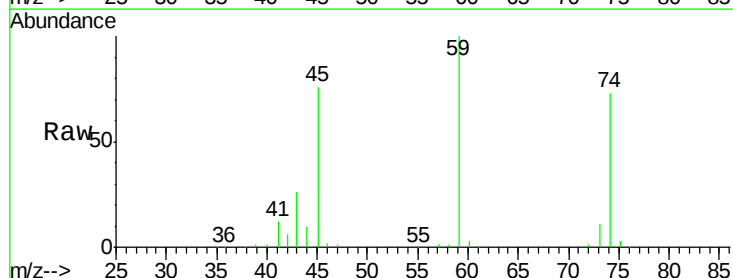
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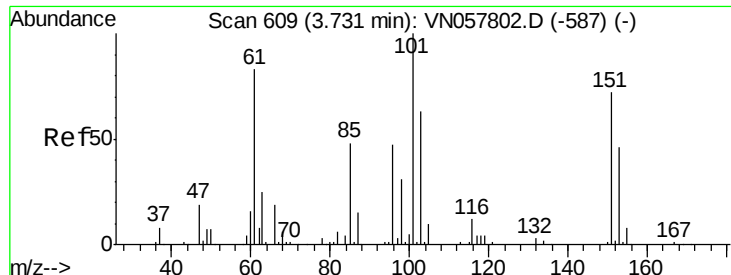


#8

Diethyl Ether
 Concen: 47.514 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	120970		
45	100.5	50.3	151.0	





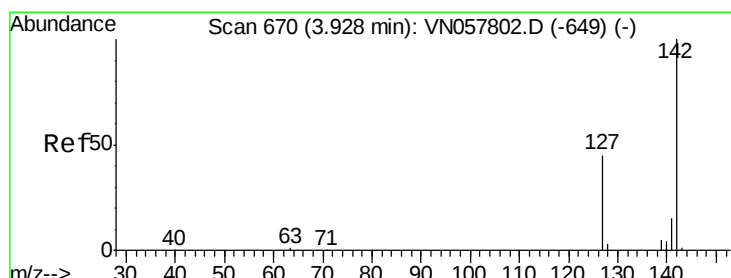
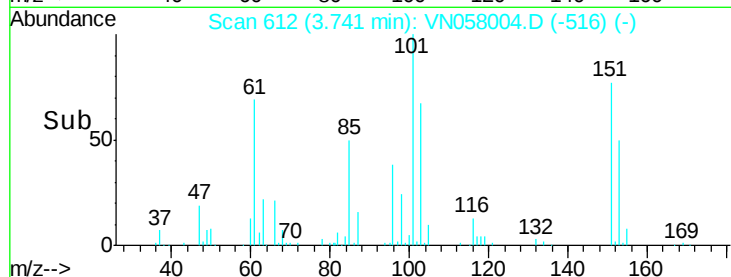
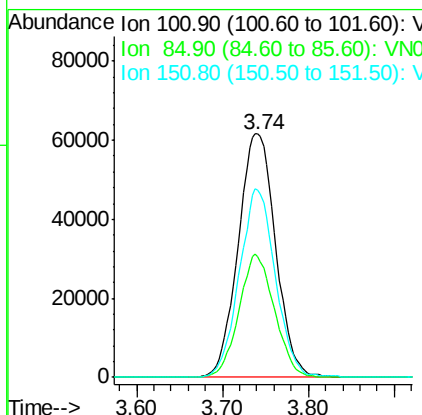
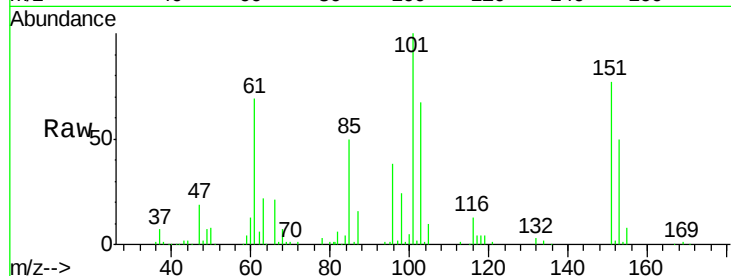
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.403 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.01 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	186390		
85	48.0	38.1	57.1	
151	74.6	58.4	87.6	

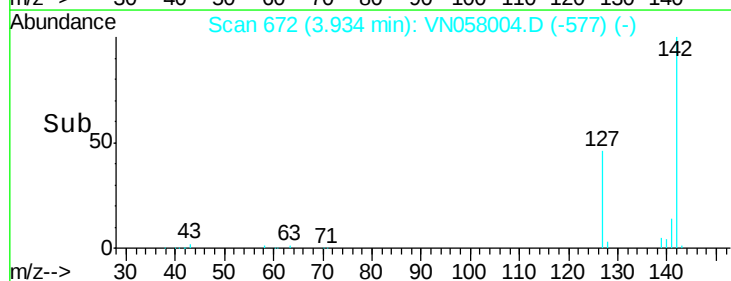
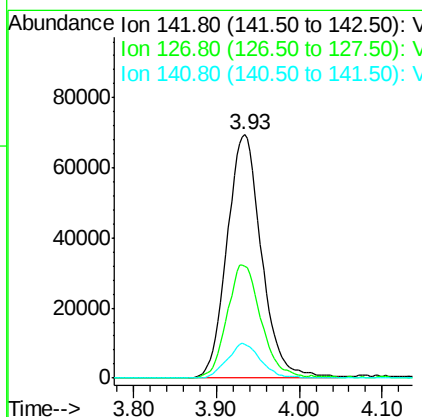
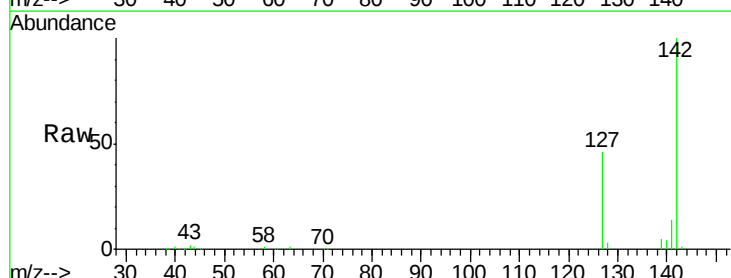
Manual Integrations
APPROVED

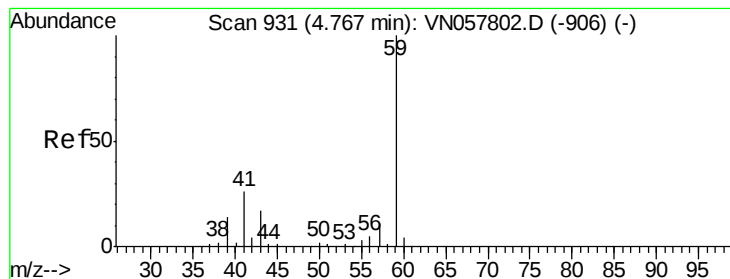
MMDadoda
9/16/2019 1:48:33 PM



#10
Methyl Iodide
Concen: 46.983 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.01 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	201332		
127	45.7	36.7	55.1	
141	13.8	11.4	17.0	





#11

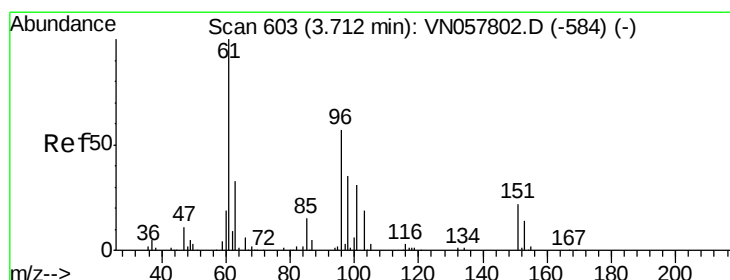
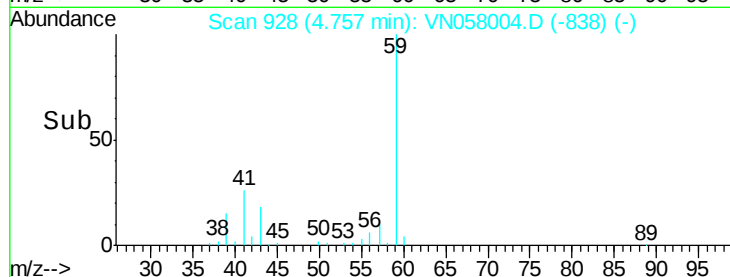
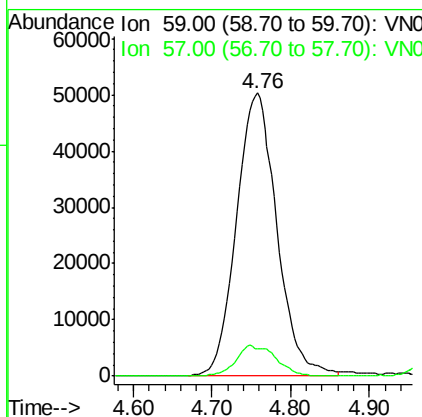
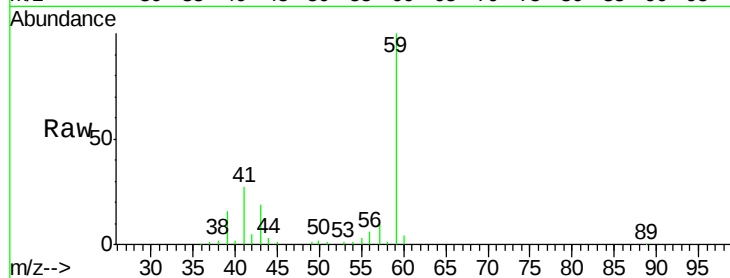
Tert butyl alcohol
 Concen: 227.665 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	181469		
57	5.6	8.4	12.6#	

Manual Integrations
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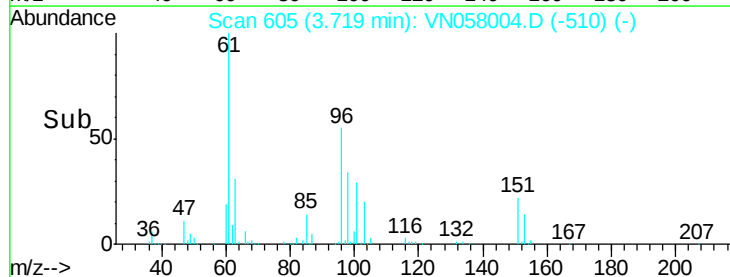
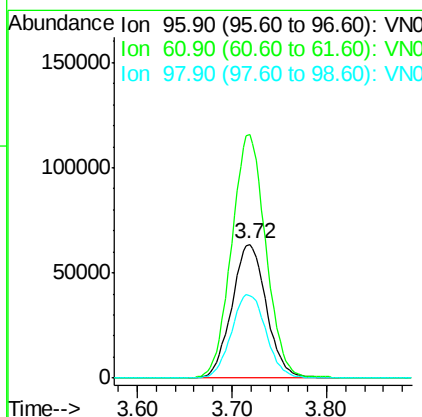
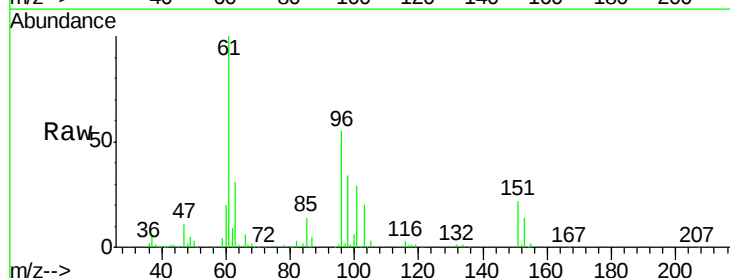
MMDadoda
 9/16/2019 1:48:33 PM

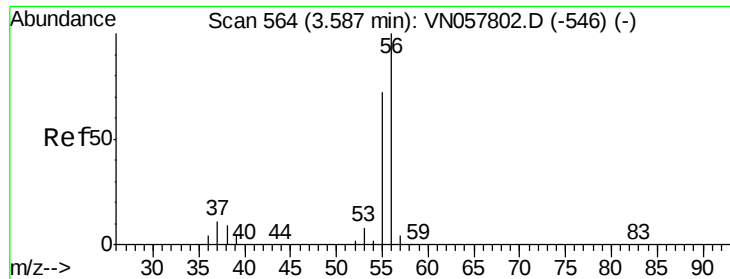


#12

1,1-Dichloroethene
 Concen: 46.691 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	161660		
61	182.1	141.2	211.8	
98	62.0	49.9	74.9	





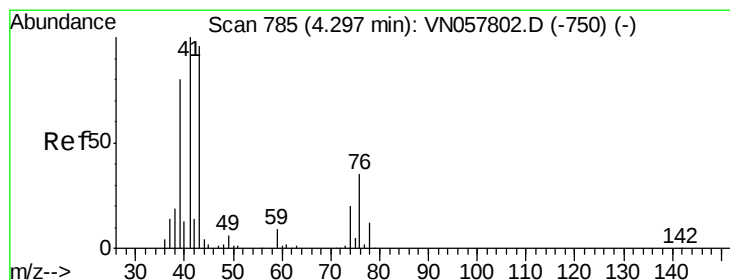
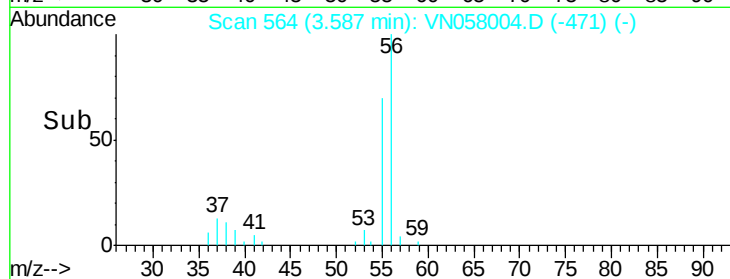
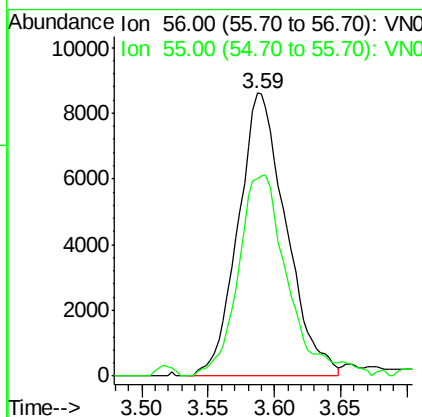
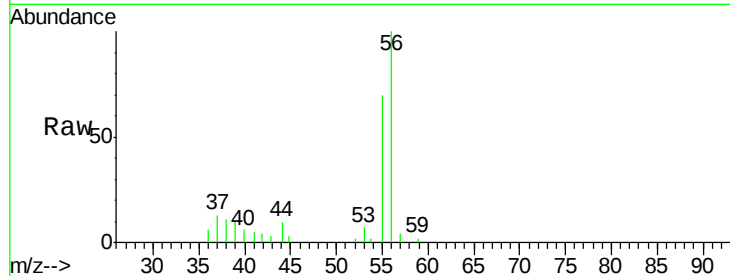
#13
Acrolein
Concen: 32.031 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.3	57.3	85.9

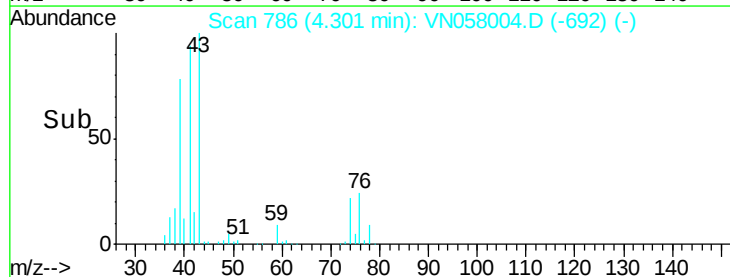
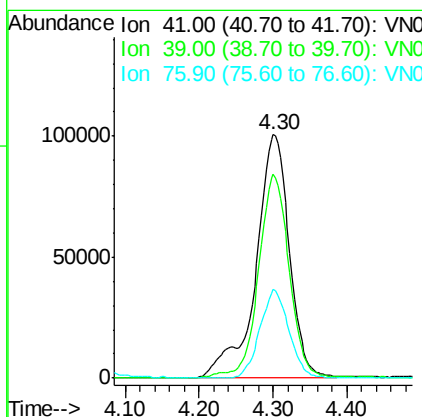
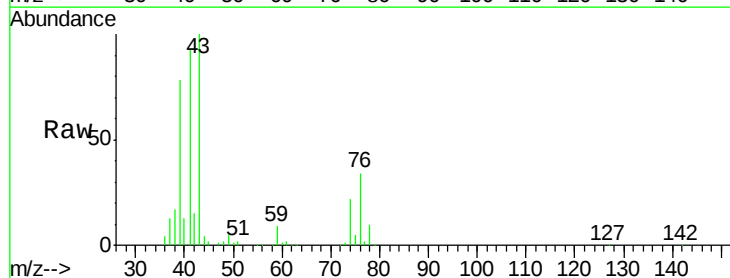
Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:48:33 PM



#14
Allyl chloride
Concen: 47.090 ug/l m
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.5	59.4	89.2
76	31.5	26.0	39.0





#15

Acrylonitrile

Concen: 251.482 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

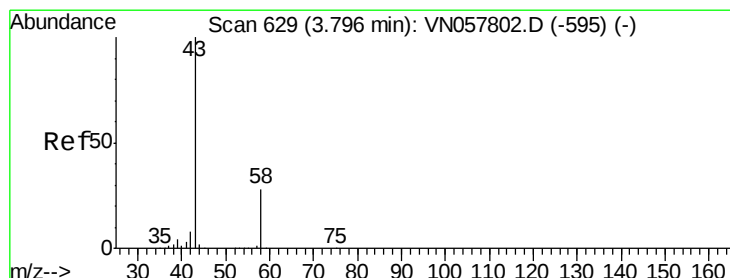
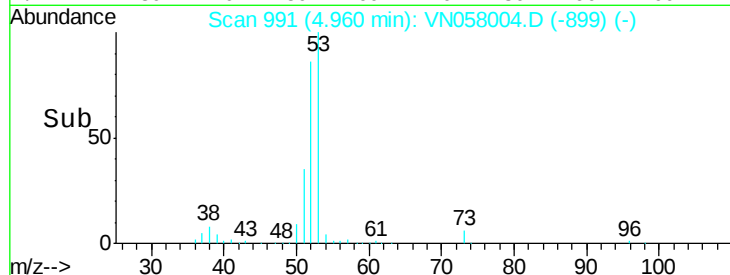
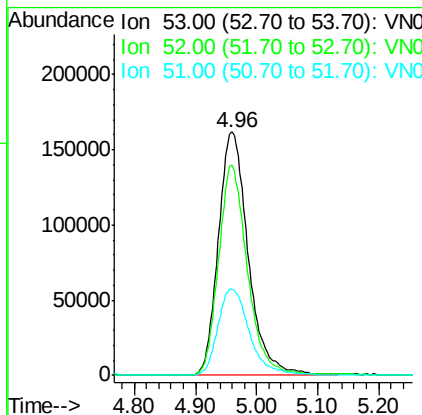
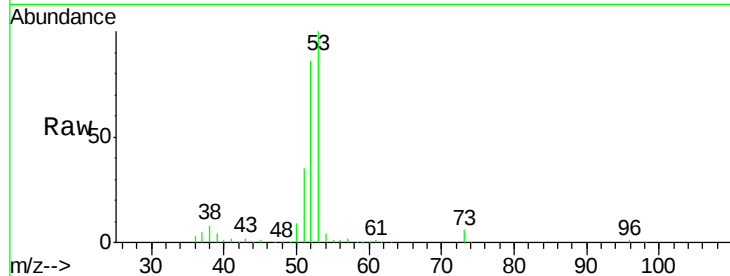
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	550966
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 256.814 ug/l

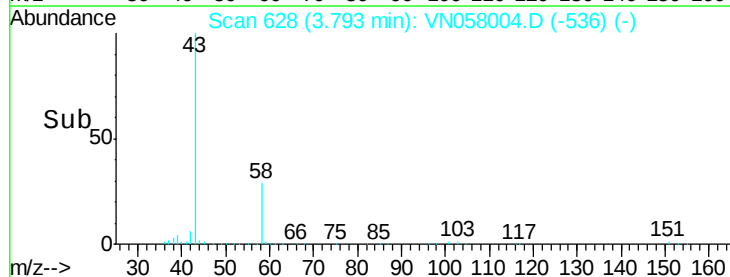
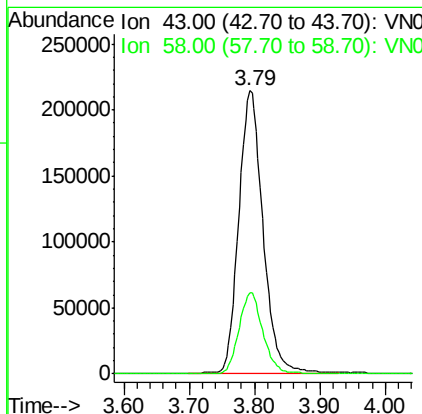
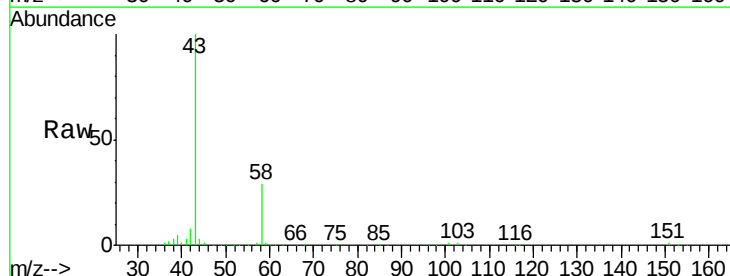
RT: 3.79 min Scan# 628

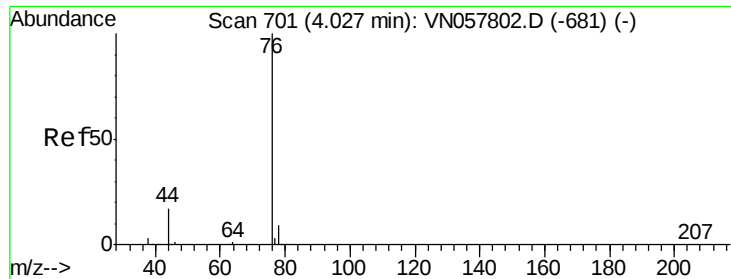
Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion:	43	Resp:	554446
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.2	33.2





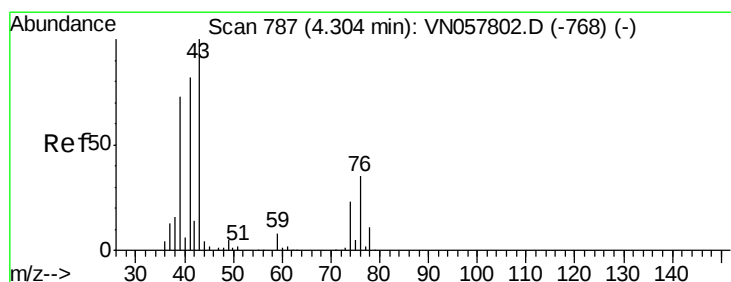
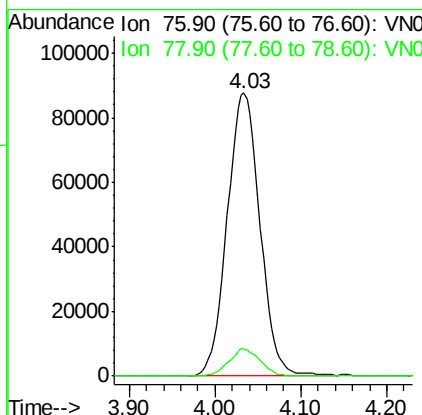
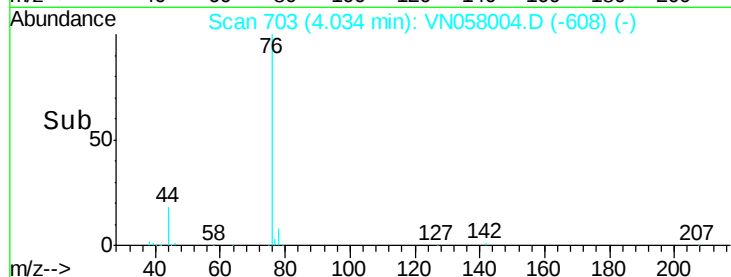
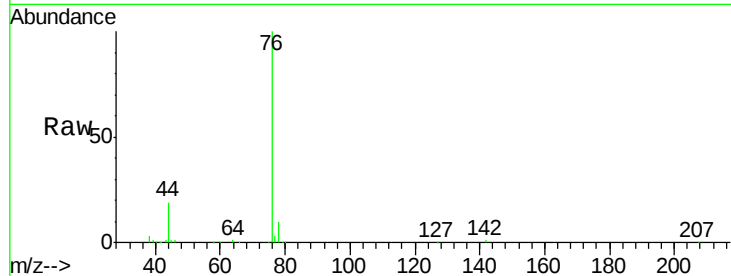
#17
Carbon Disulfide
Concen: 43.050 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

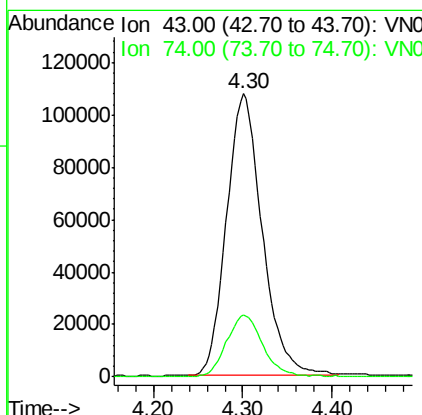
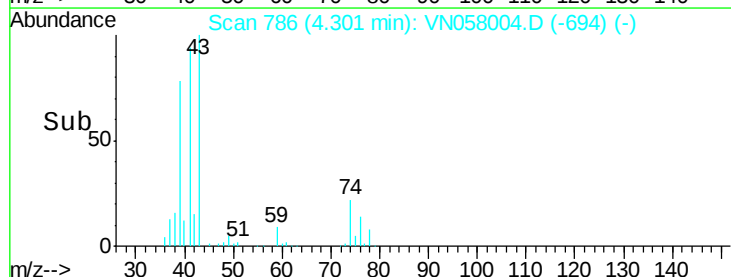
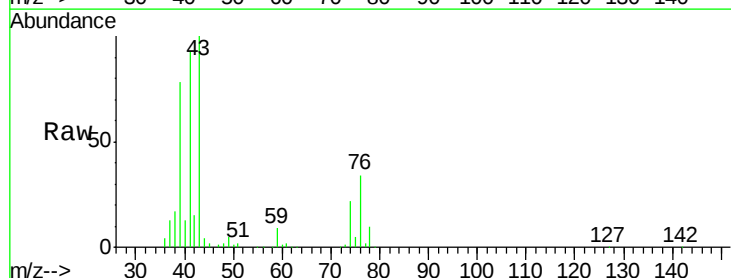
Manual Integrations
APPROVED

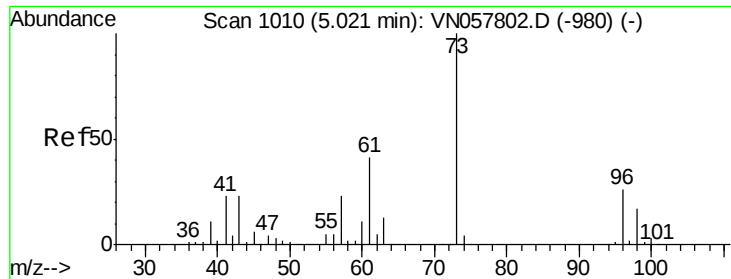
MMDadoda
9/16/2019 1:48:33 PM



#18
Methyl Acetate
Concen: 51.798 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.9	26.9





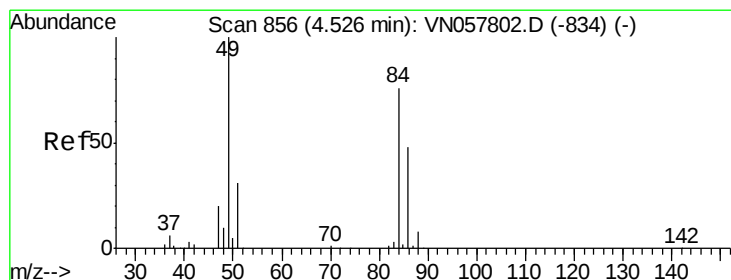
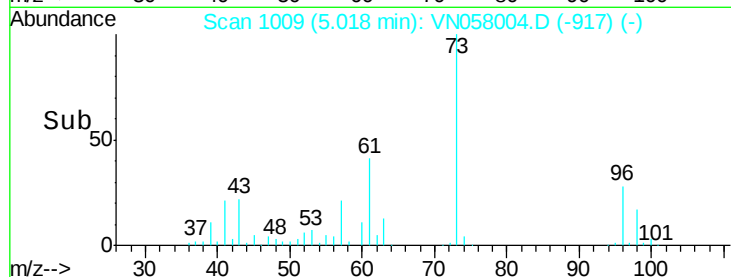
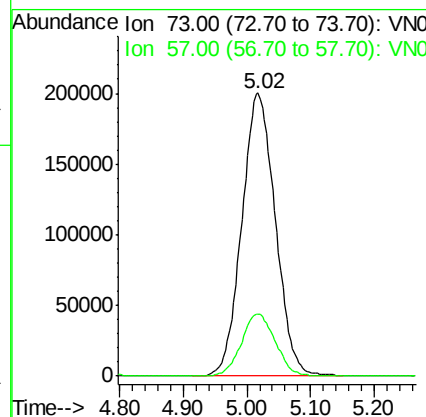
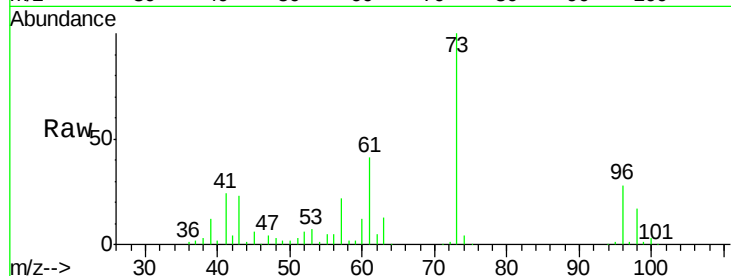
#19
Methvl tert-butvl Ether
Concen: 50.933 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 733891
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.2

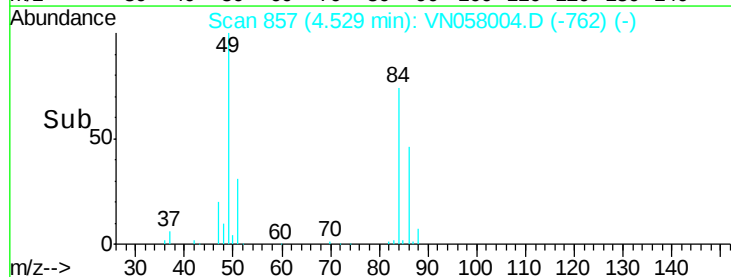
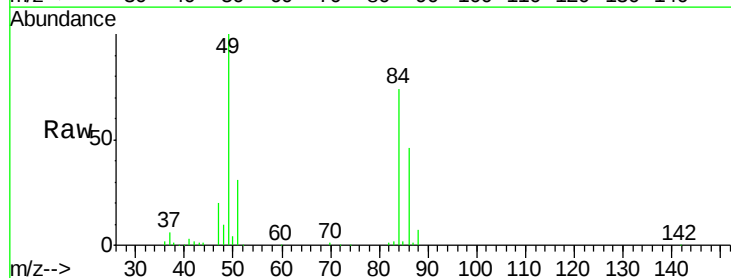
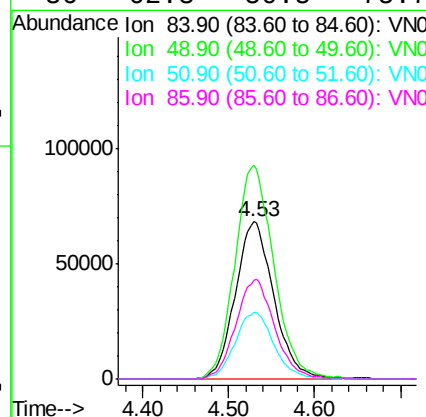
Manual Integrations
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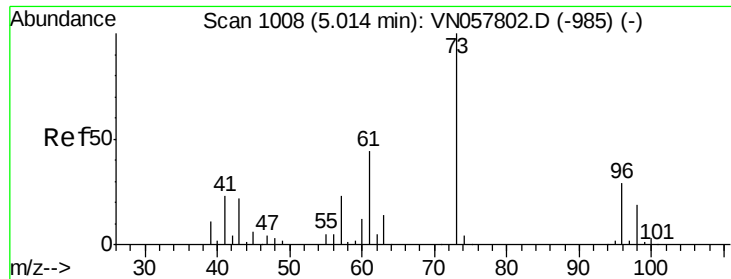
MMDadoda
9/16/2019 1:48:33 PM



#20
Methylene Chloride
Concen: 51.686 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 84 Resp: 212258
Ion Ratio Lower Upper
84 100
49 135.9 104.8 157.2
51 42.1 33.0 49.4
86 62.3 50.5 75.7





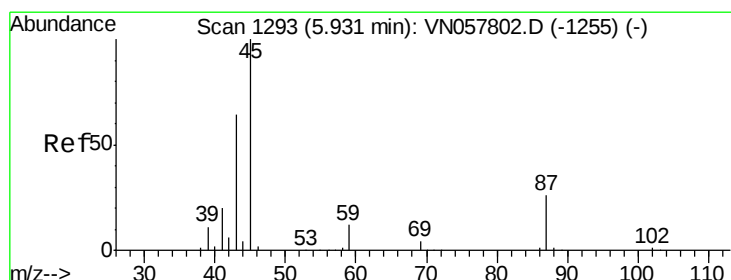
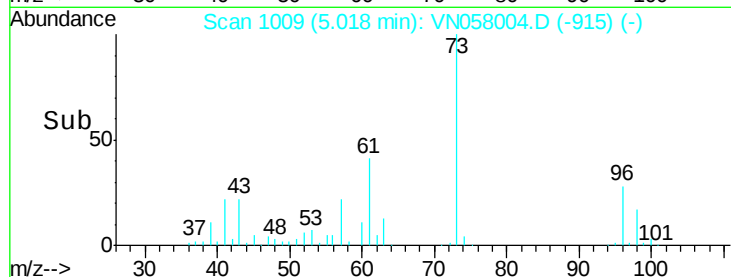
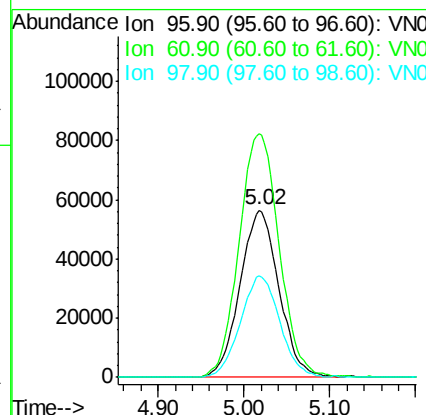
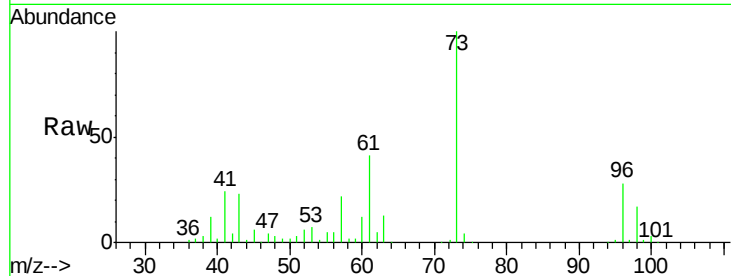
#21
trans-1,2-Dichloroethene
Concen: 47.495 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	121.9	182.9
98	61.1	52.2	78.4

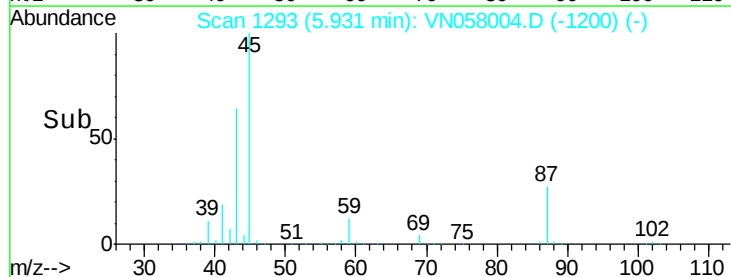
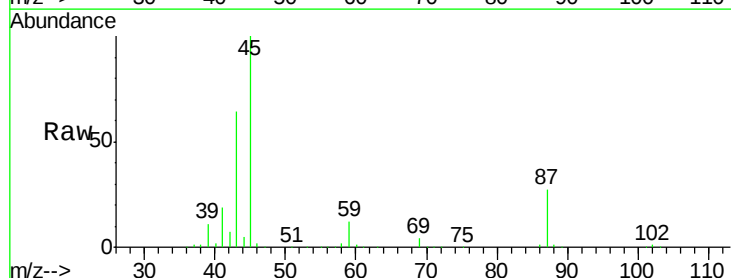
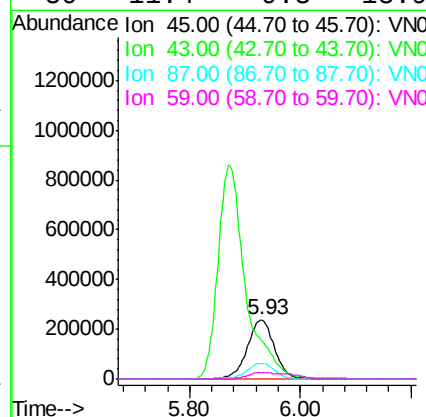
Manual Integrations
APPROVED

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9/16/2019 1:48:33 PM



#22
Diisopropyl ether
Concen: 51.200 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.5	51.4	77.2
87	26.7	21.3	31.9
59	11.4	9.3	13.9





#23

Vinyl Acetate

Concen: 265.020 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2984447

Ion Ratio Lower Upper

43 100

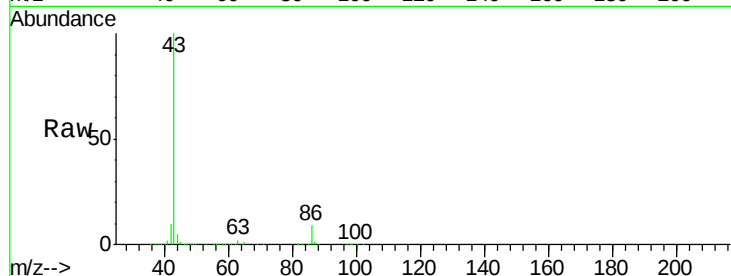
86 9.2 7.7 11.5

Manual Integrations

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MMDadoda

9/16/2019 1:48:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

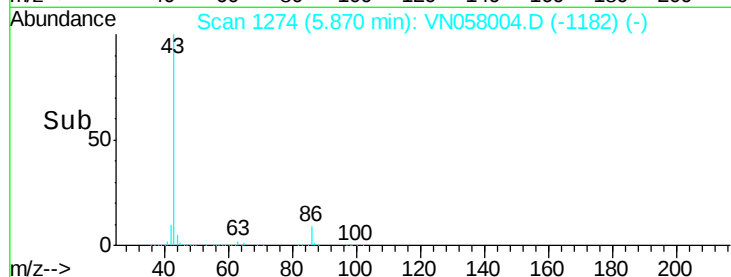
600000

400000

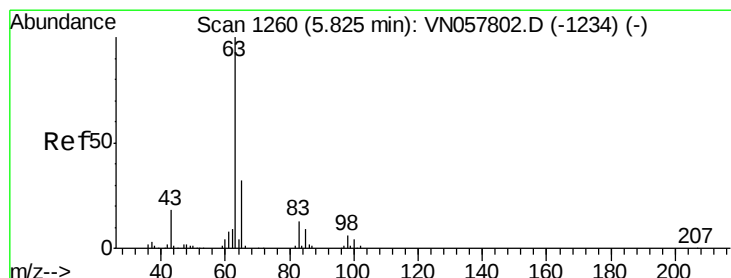
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 49.354 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

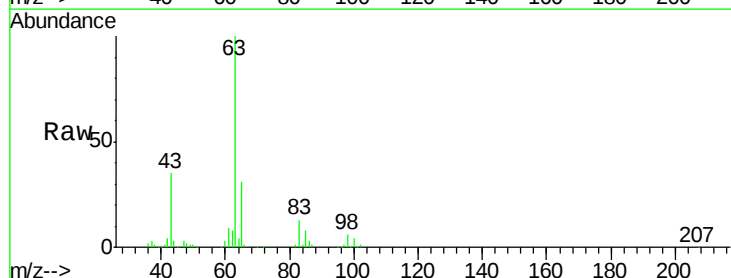
Tgt Ion: 63 Resp: 428601

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

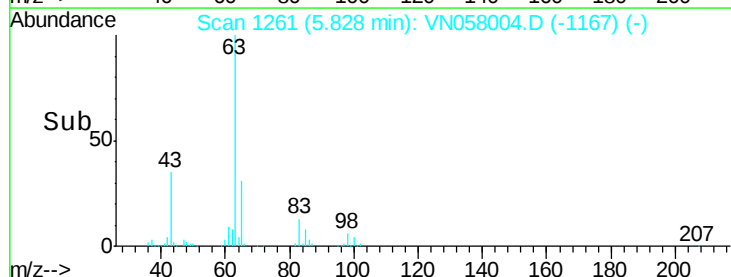
150000

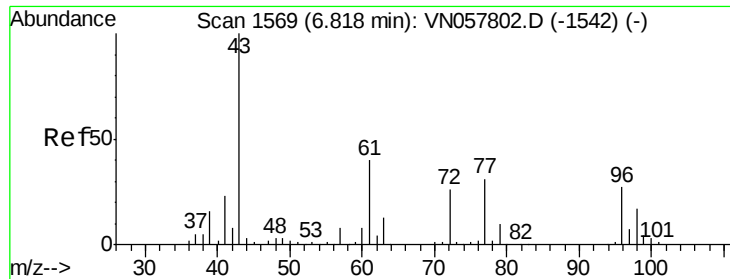
100000

50000

0

Time-->





#25

2-Butanone

Concen: 254.791 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 796156

Ion Ratio Lower Upper

43 100

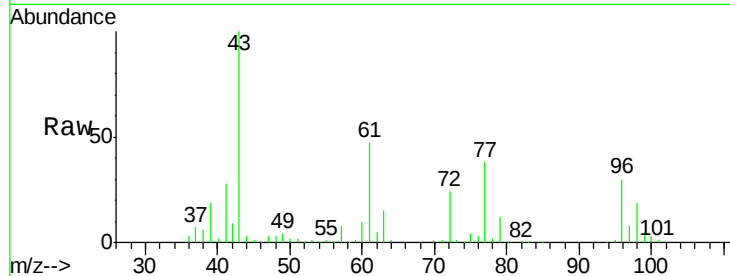
72 24.1 20.6 30.8

Manual Integrations

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MMDadoda

9/16/2019 1:48:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

300000

250000

200000

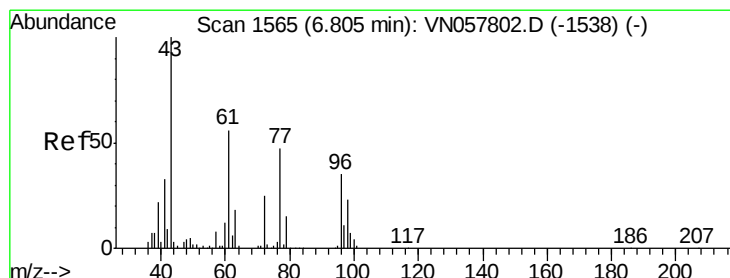
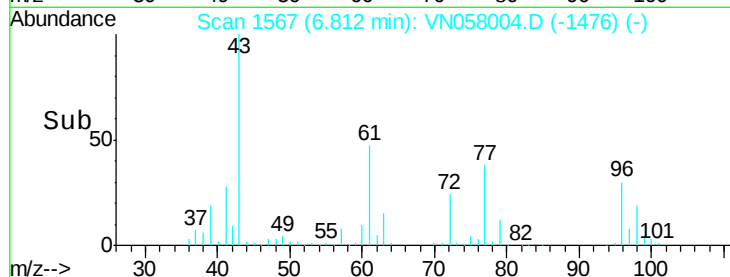
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 51.096 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058004.D

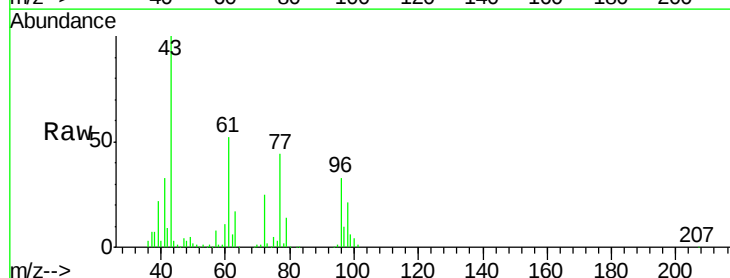
Acq: 13 Sep 2019 9:34

Tgt Ion: 77 Resp: 351163

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

120000

100000

80000

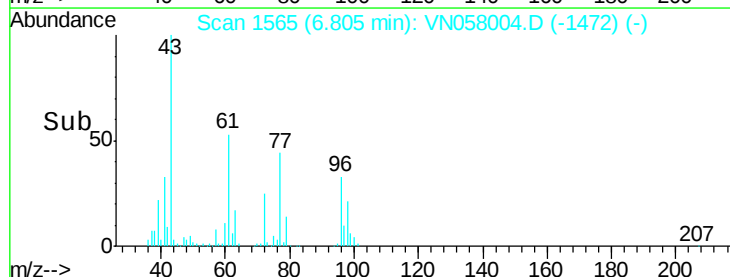
60000

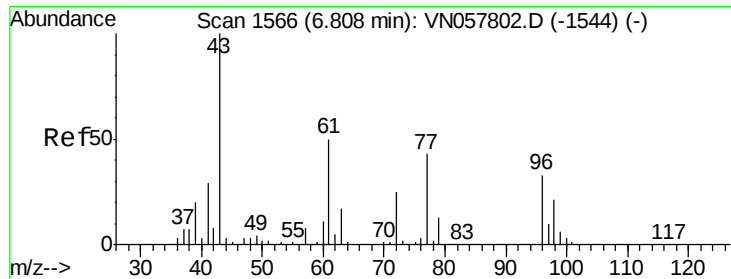
40000

20000

0

Time-->





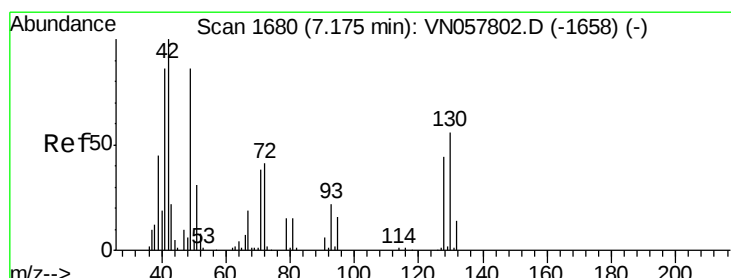
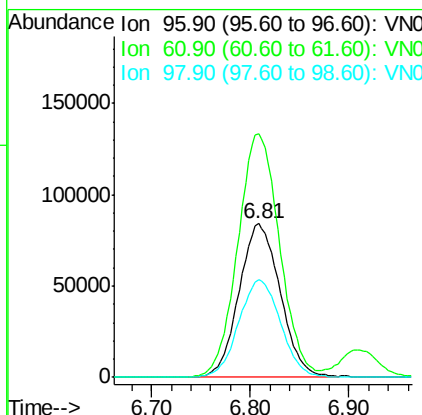
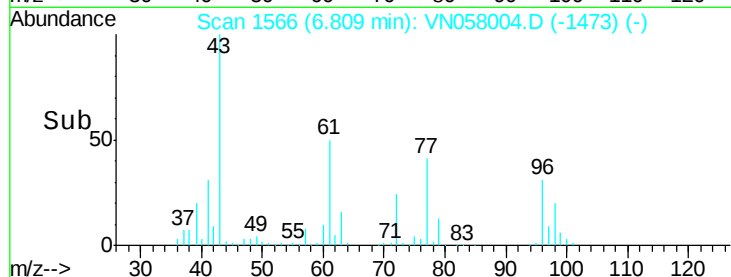
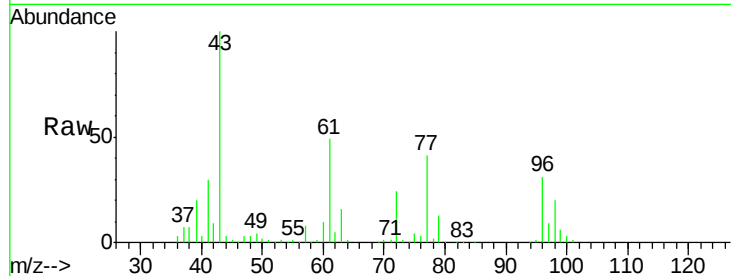
#27
 cis-1,2-Dichloroethene
 Concen: 48.524 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	243387		
61	160.5	0.0	314.0	
98	64.5	0.0	128.6	

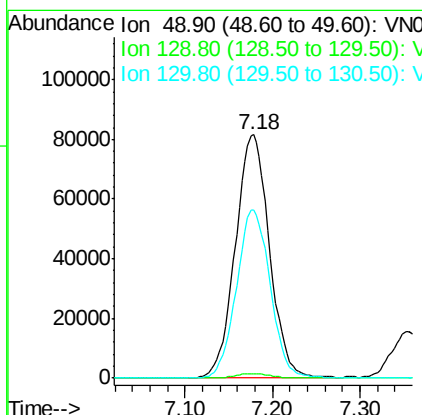
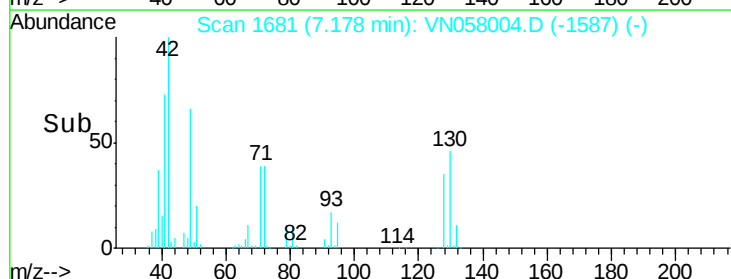
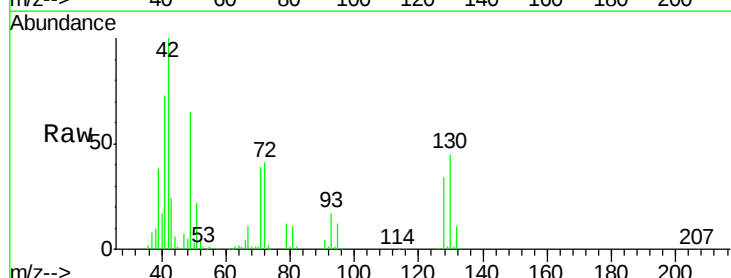
Manual Integrations
 APPROVED

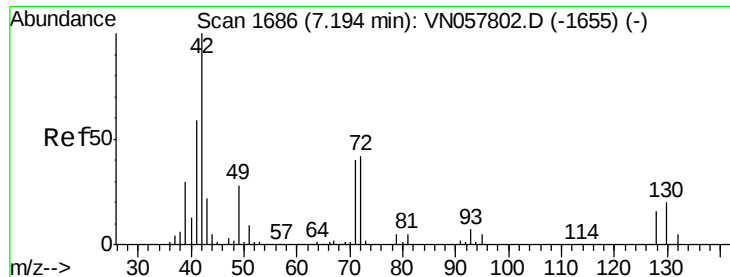
MMDadoda
 9/16/2019 1:48:33 PM



#28
 Bromochloromethane
 Concen: 50.850 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	220615		
129	1.8	0.0	3.8	
130	68.2	53.0	79.6	





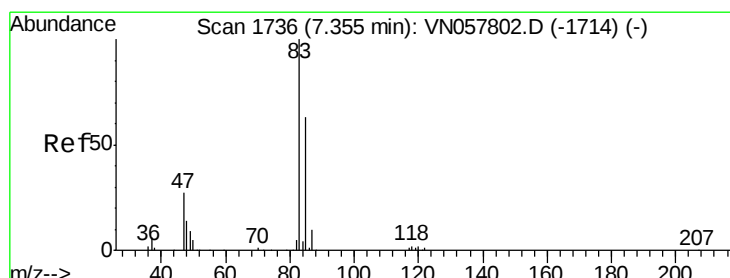
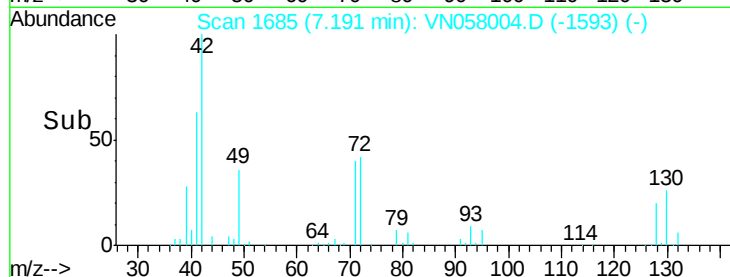
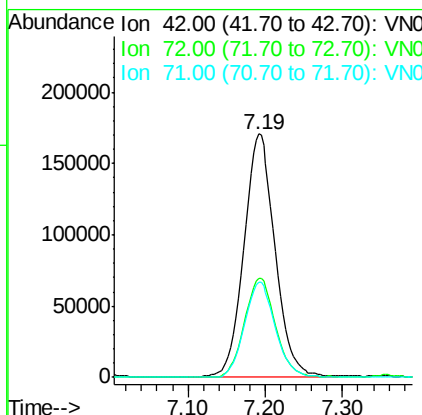
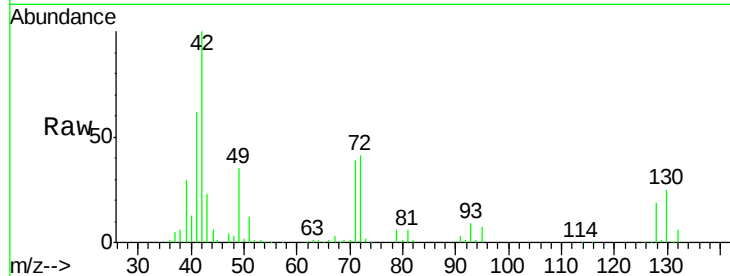
#29
Tetrahydrofuran
Concen: 248.321 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.7	50.5
71	38.8	31.9	47.9

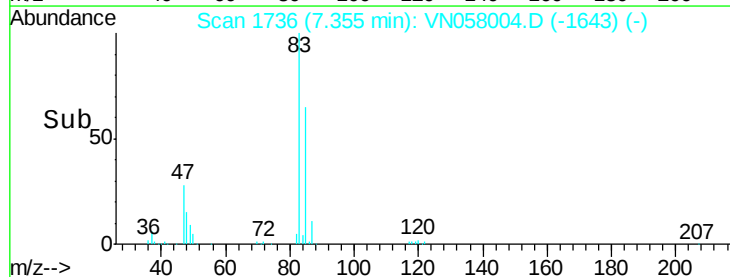
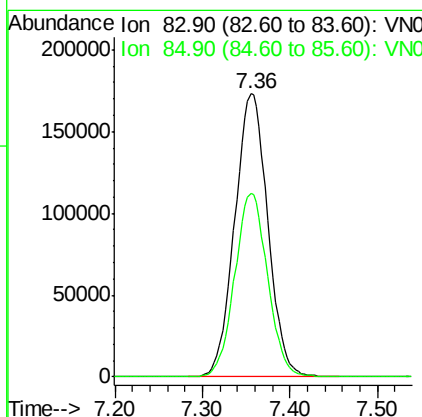
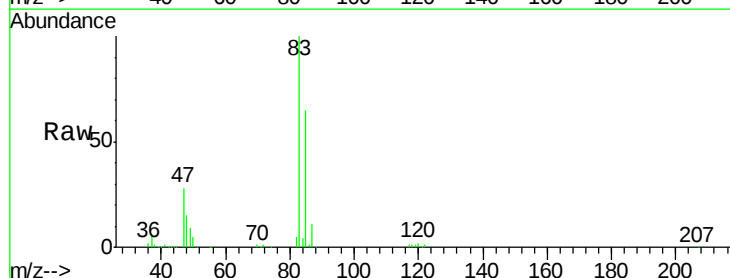
Manual Integrations
APPROVED

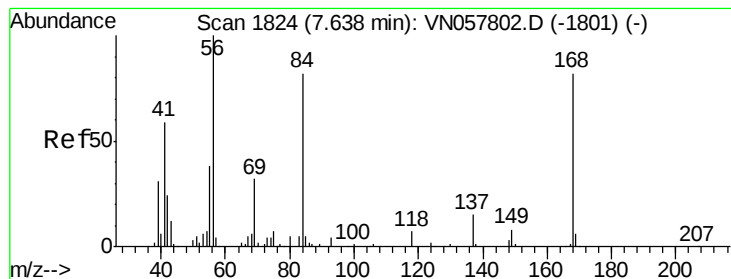
MMDadoda
9/16/2019 1:48:33 PM



#30
Chloroform
Concen: 50.105 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





#31

Cyclohexane

Concen: 51.123 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

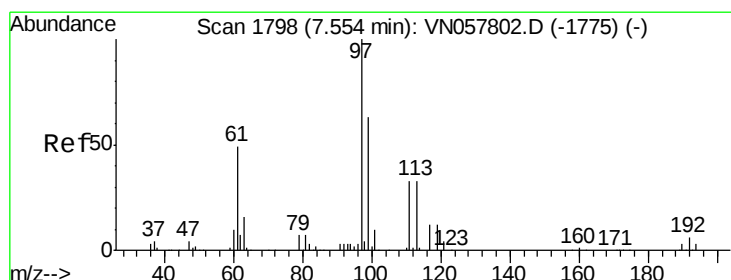
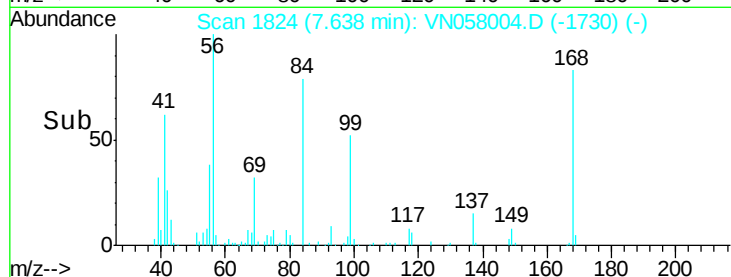
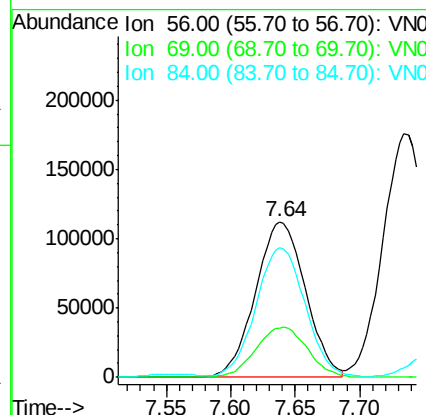
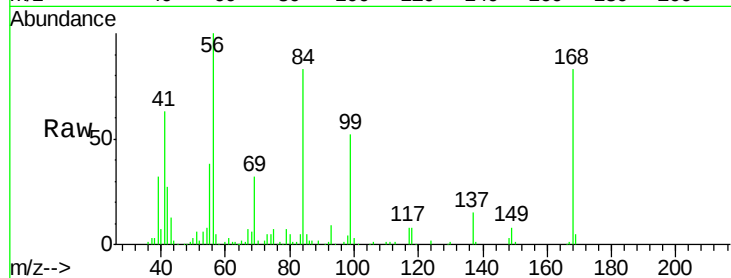
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.9	38.9
84	81.8	65.6	98.4

Manual Integrations
APPROVED

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9/16/2019 1:48:33 PM



#32

1,1,1-Trichloroethane

Concen: 50.255 ug/l

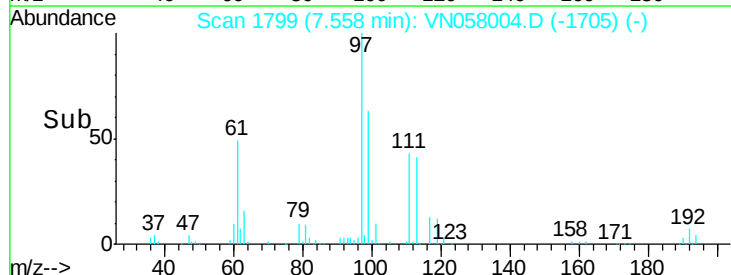
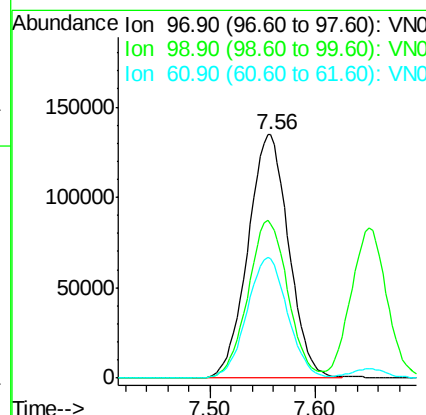
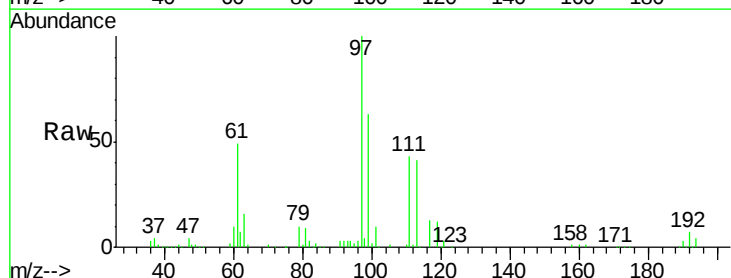
RT: 7.56 min Scan# 1799

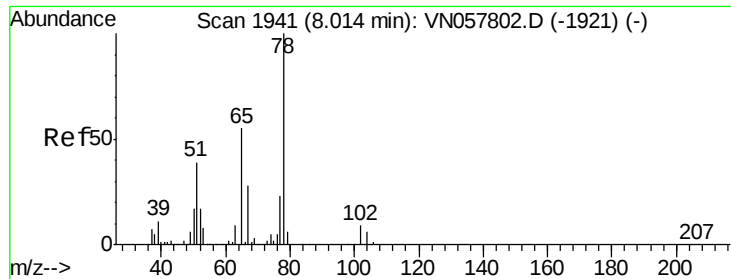
Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	49.4	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 50.787 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 334474

Ion Ratio Lower Upper

65 100

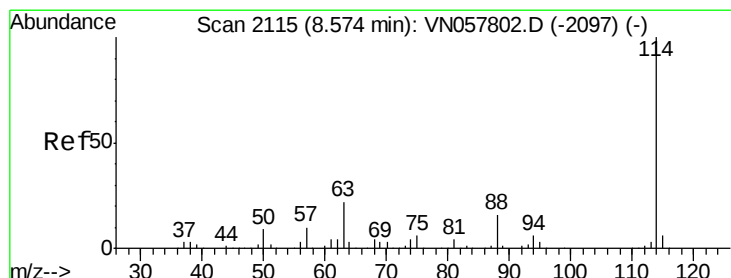
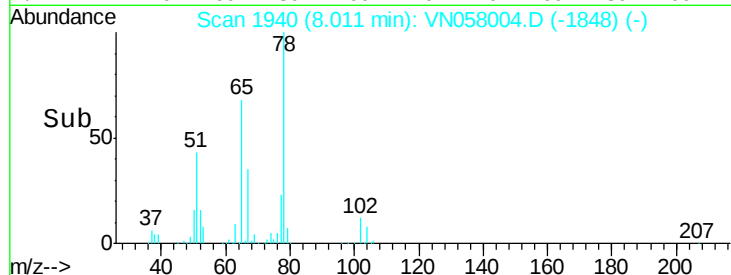
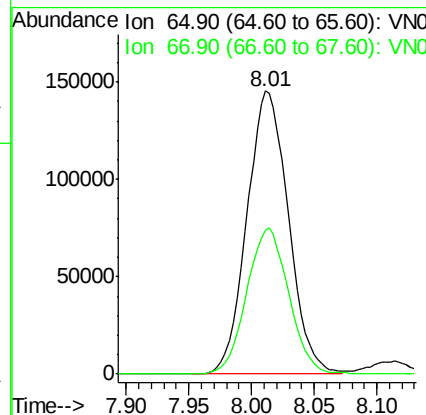
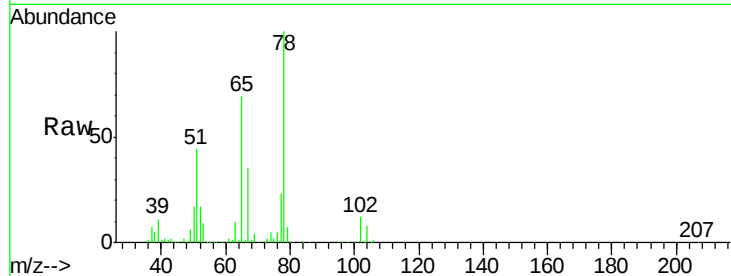
67 52.3 0.0 104.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

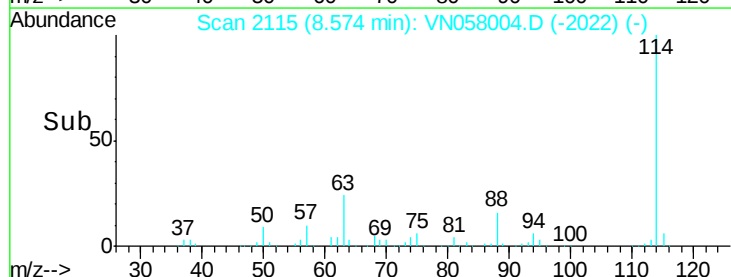
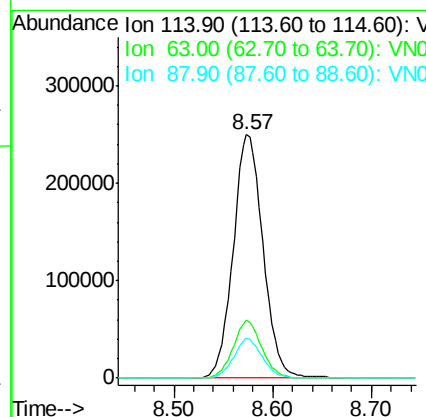
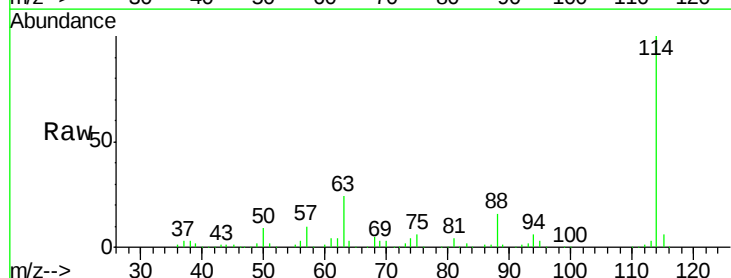
Tgt Ion: 114 Resp: 525734

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.0

88 16.3 0.0 31.4





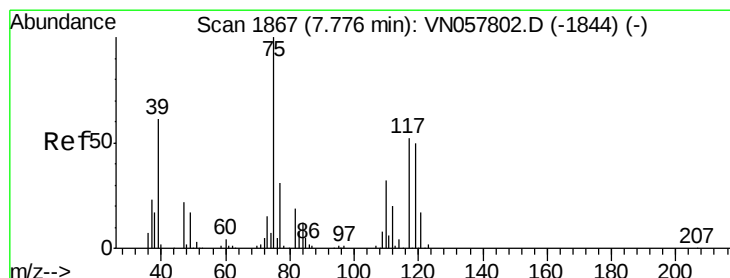
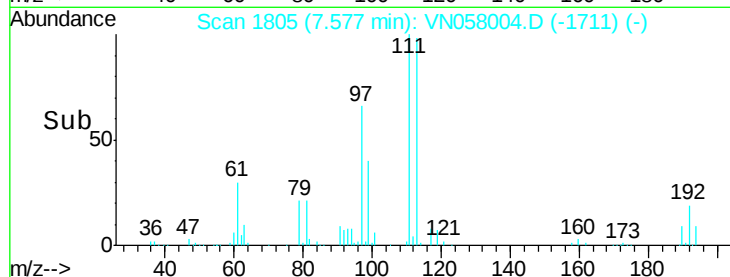
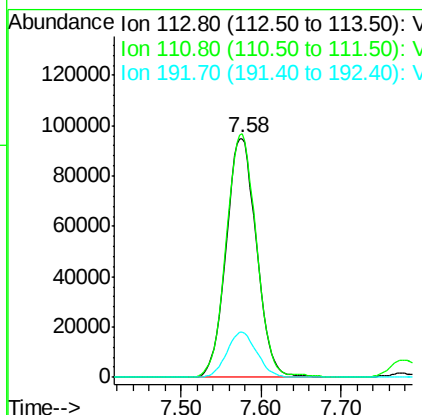
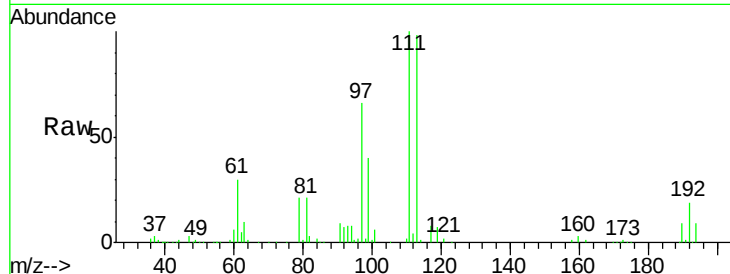
#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	244169		
111	101.0	81.3	121.9	
192	18.6	14.6	22.0	

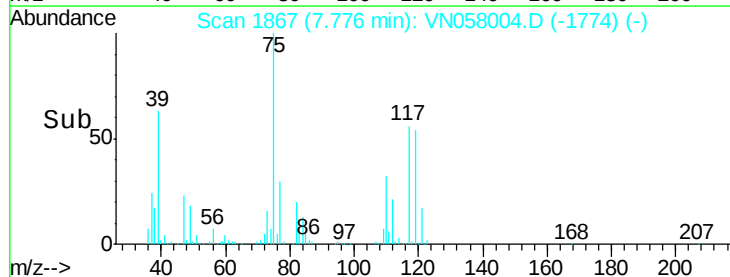
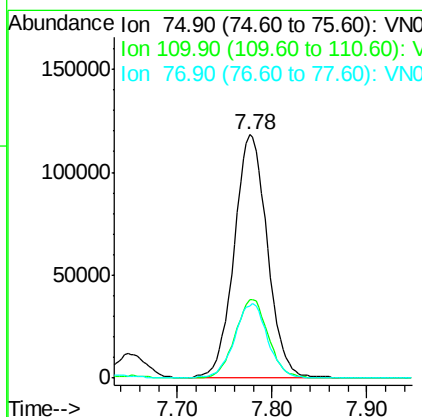
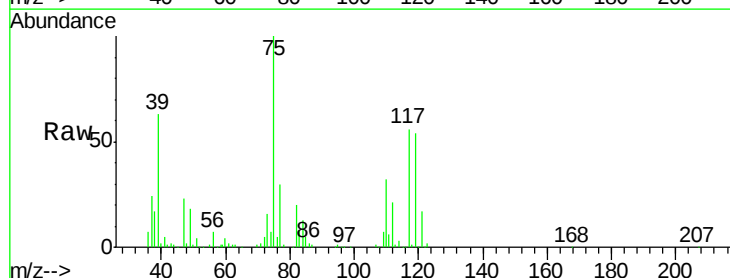
Manual Integrations
APPROVED

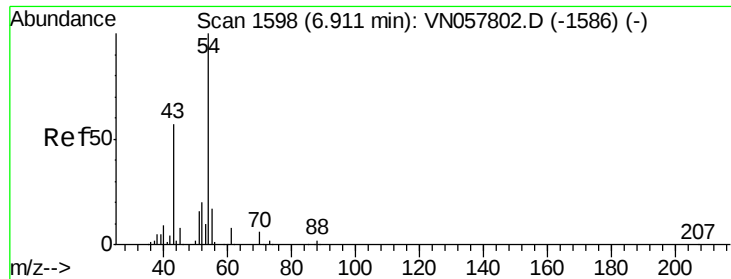
MMDadoda
9/16/2019 1:48:33 PM



#36
1,1-Dichloropropene
Concen: 46.799 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285339		
110	32.5	16.3	48.9	
77	31.2	25.0	37.4	





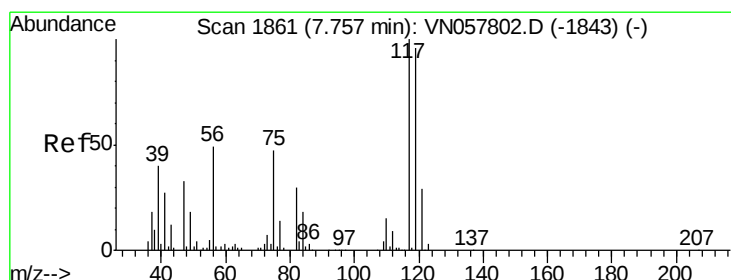
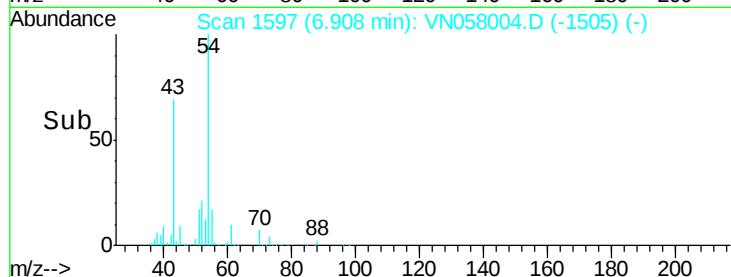
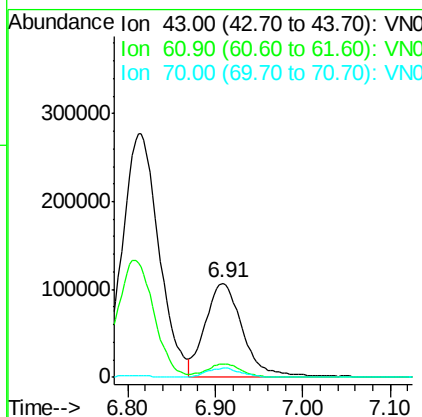
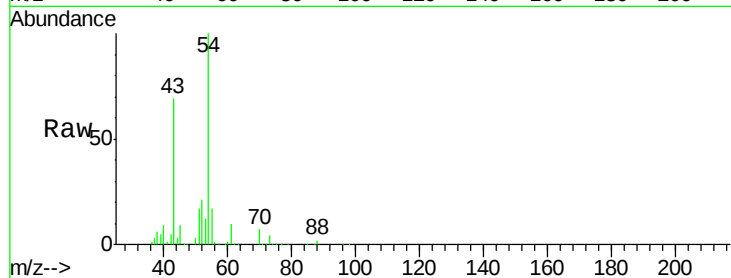
#37
Ethyl Acetate
Concen: 49.413 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.2	10.5	15.7	
70	9.3	7.4	11.0	

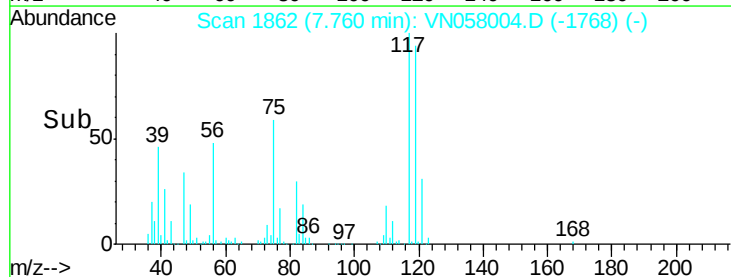
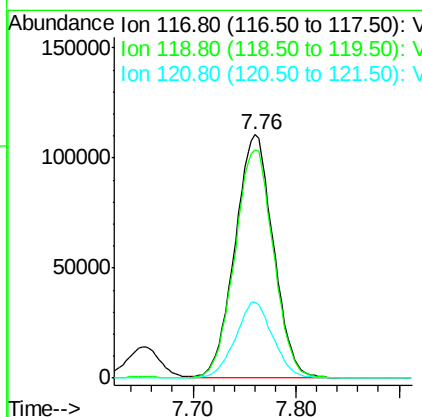
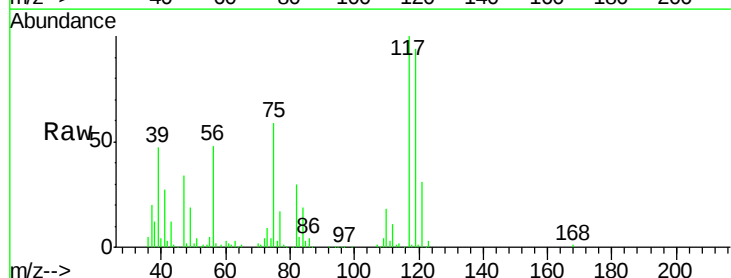
Manual Integrations
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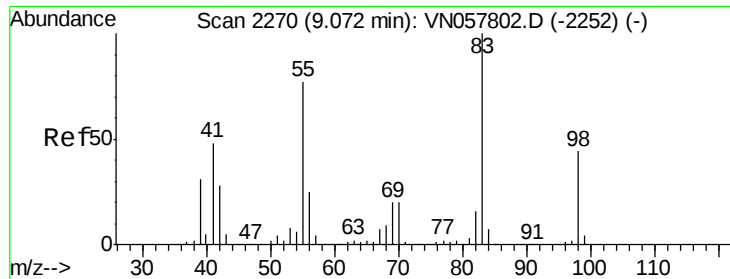
MMDadoda
9/16/2019 1:48:33 PM



#38
Carbon Tetrachloride
Concen: 51.223 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	76.9	115.3	
121	31.4	23.4	35.2	





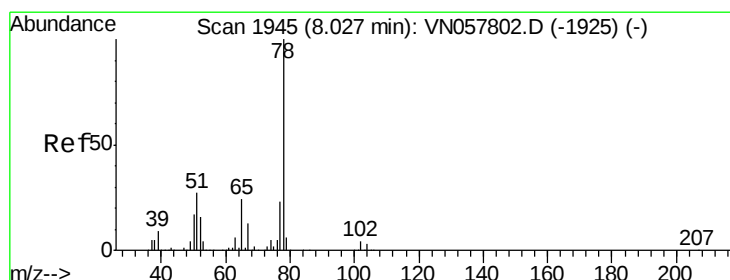
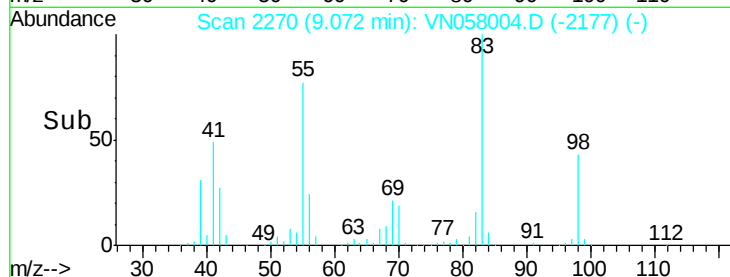
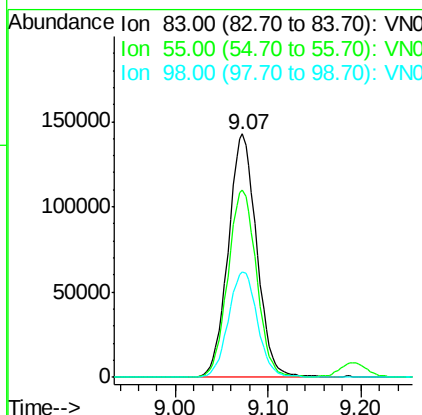
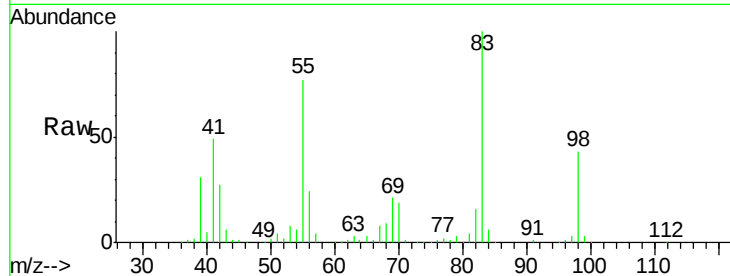
#39
Methvlcvclohexane
Concen: 47.339 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.1	61.6	92.4	
98	43.5	34.9	52.3	

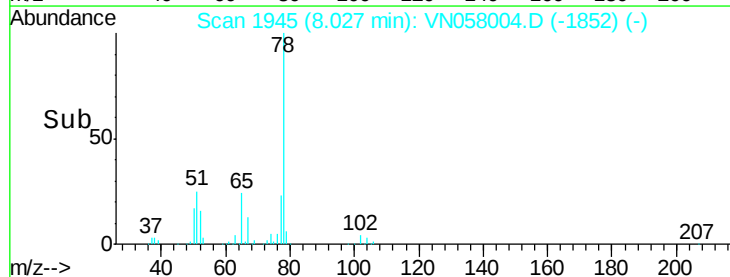
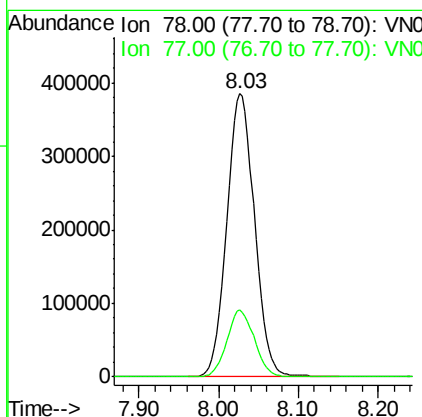
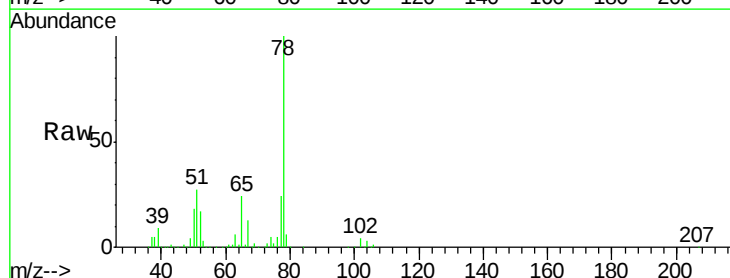
Manual Integrations
APPROVED

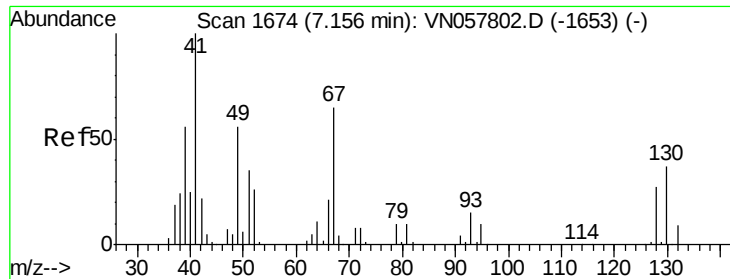
MMDadoda
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#40
Benzene
Concen: 49.526 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.3	27.5	





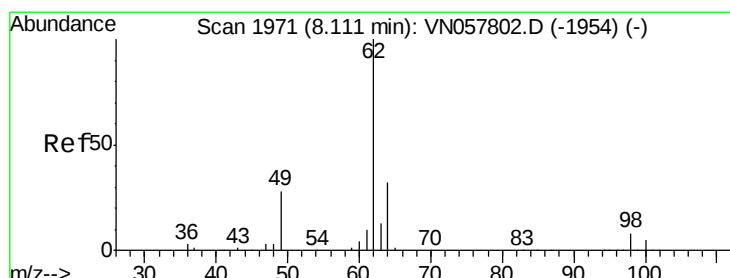
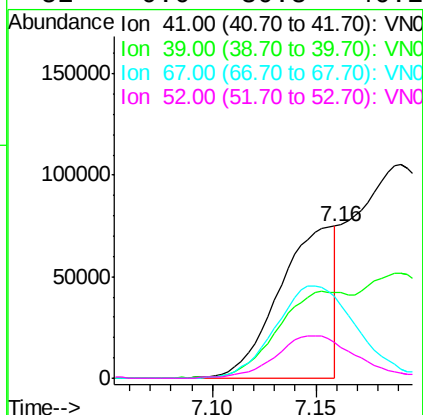
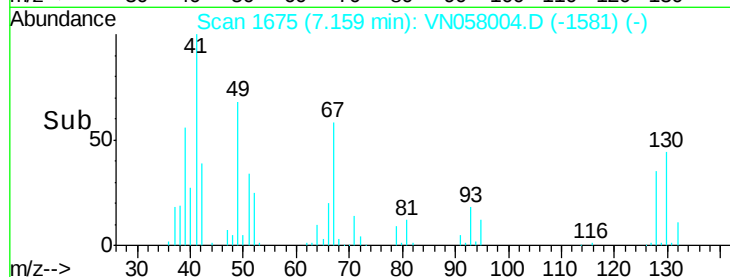
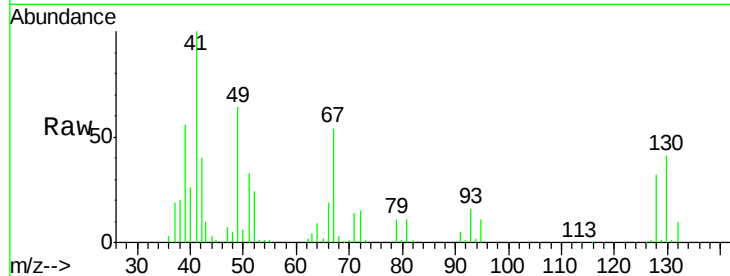
#41
Methacrylonitrile
Concen: 49.583 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

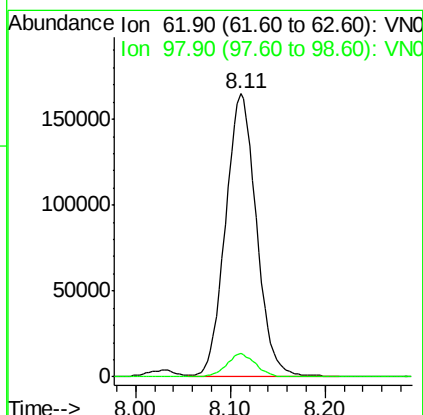
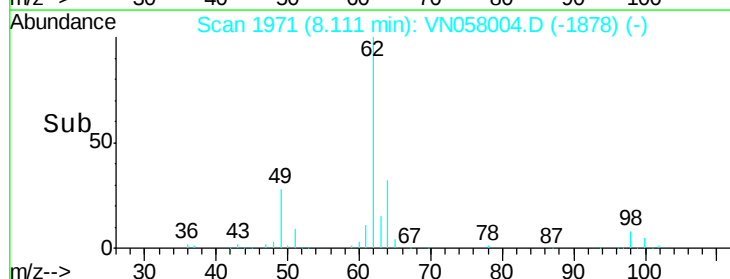
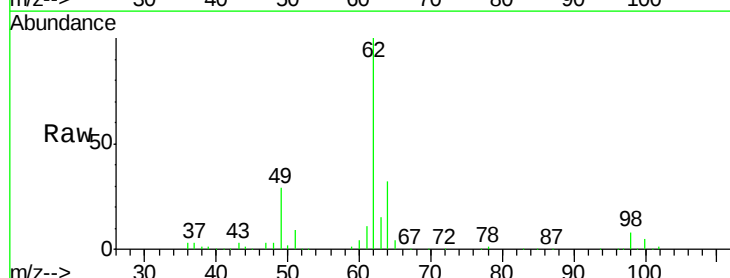
Manual Integrations
APPROVED

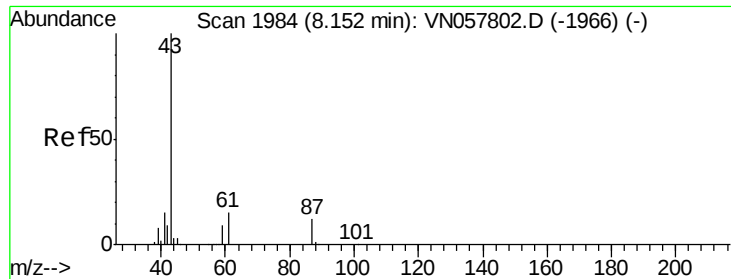
MMDadoda
9/16/2019 1:48:33 PM



#42
1,2-Dichloroethane
Concen: 50.668 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





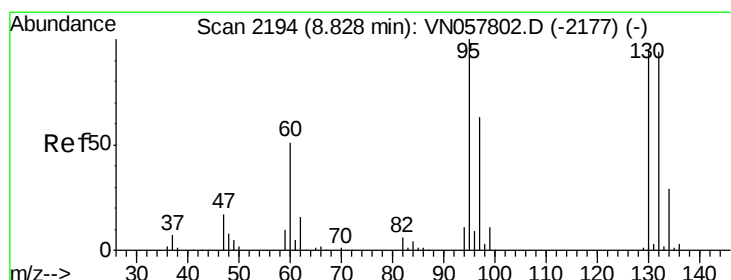
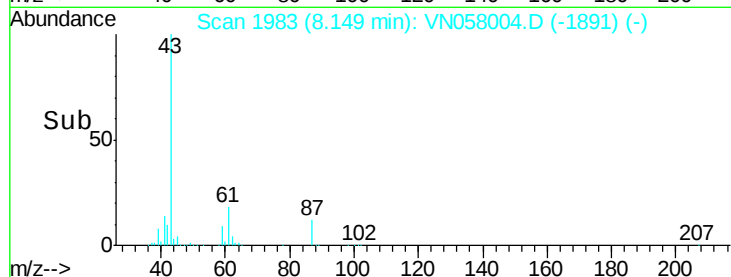
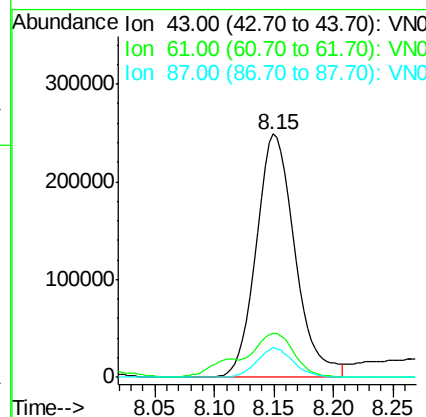
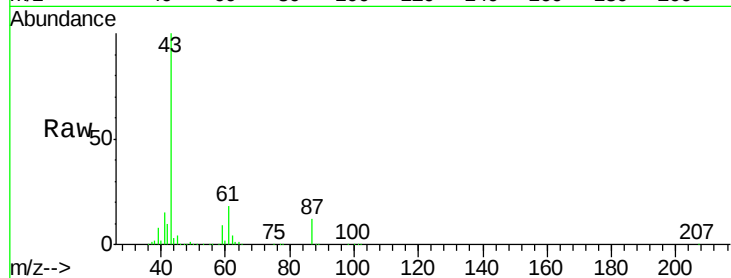
#43
Isopropyl Acetate
Concen: 52.741 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	20.1	30.1#
87	11.5	9.5	14.3

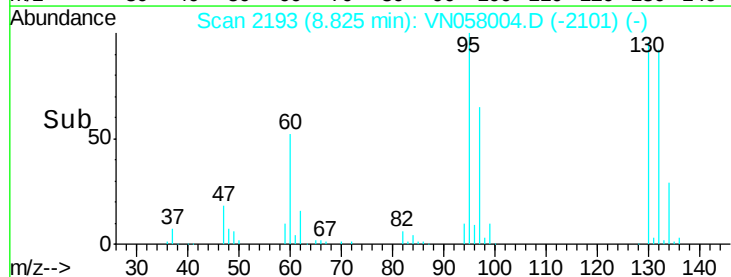
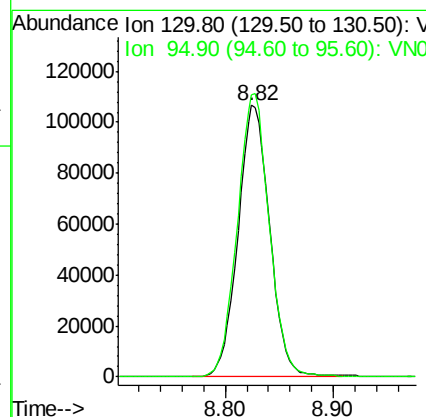
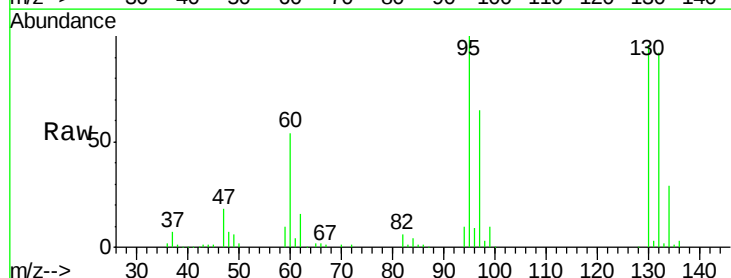
Manual Integrations
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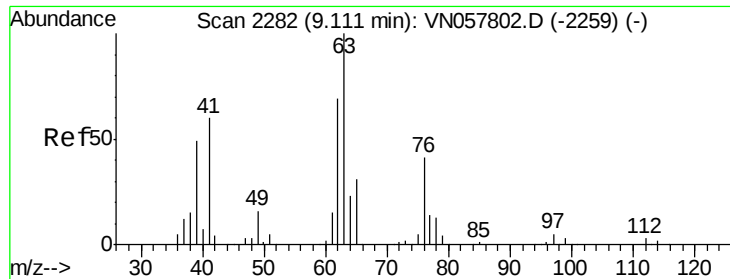
MMDadoda
9/16/2019 1:48:33 PM



#44
Trichloroethene
Concen: 48.572 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	211.4





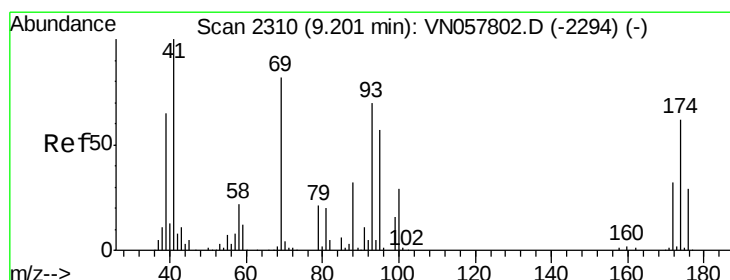
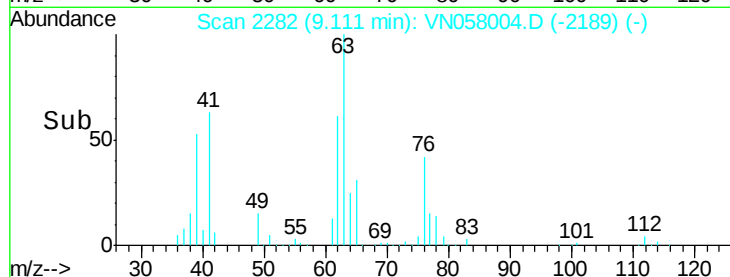
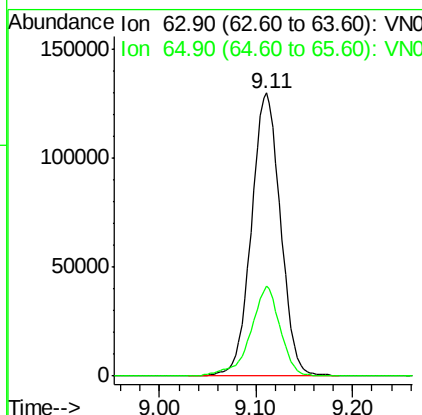
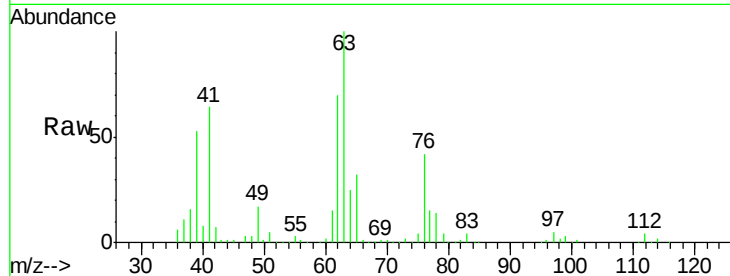
#45
 1,2-Dichloropropane
 Concen: 50.744 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.8	37.2

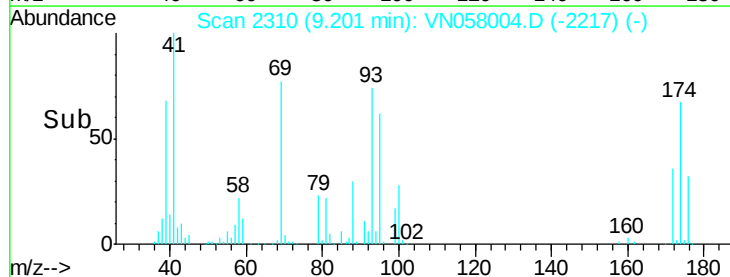
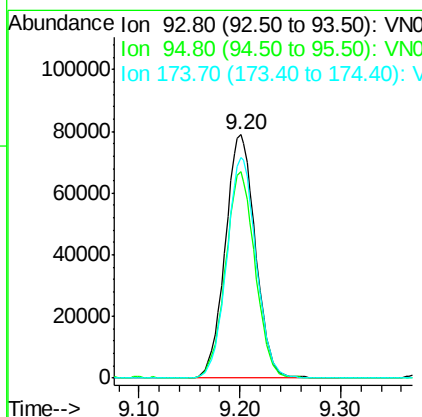
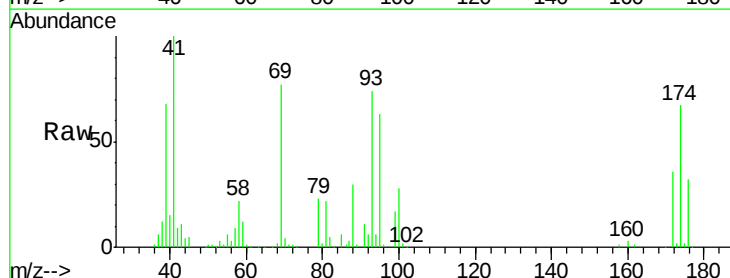
Manual Integrations
 APPROVED

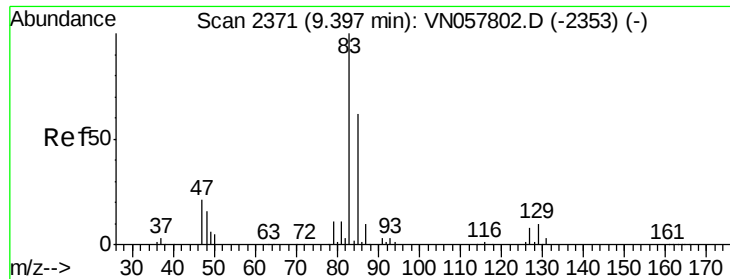
MMDadoda
 9/16/2019 1:48:33 PM



#46
 Dibromomethane
 Concen: 50.970 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.9	98.9
174	88.1	71.8	107.6





#47

Bromodichloromethane

Concen: 53.251 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

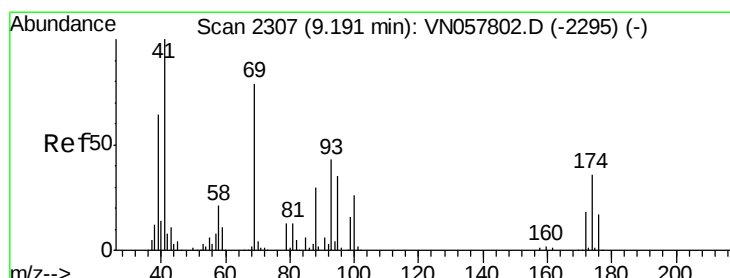
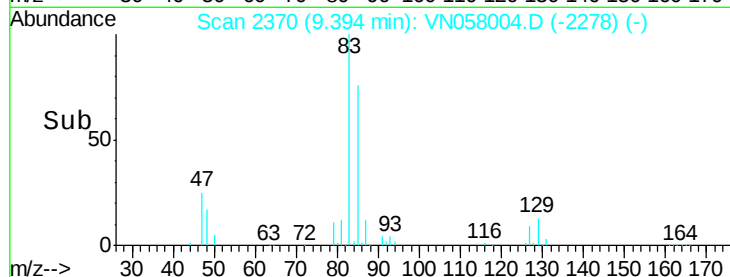
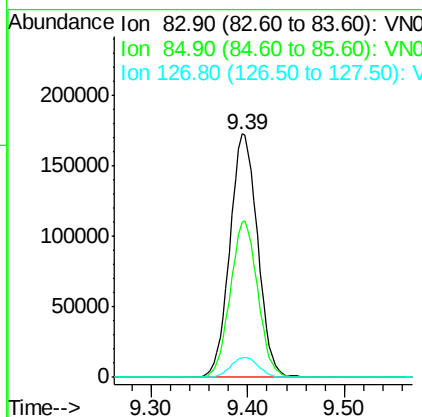
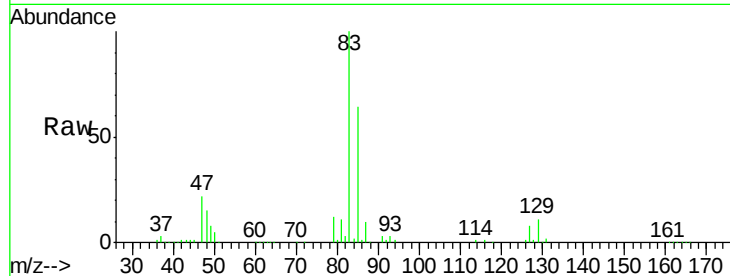
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	343224
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.9	74.9
127	7.9	6.5	9.7

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:48:33 PM



#48

Methyl methacrylate

Concen: 49.323 ug/l

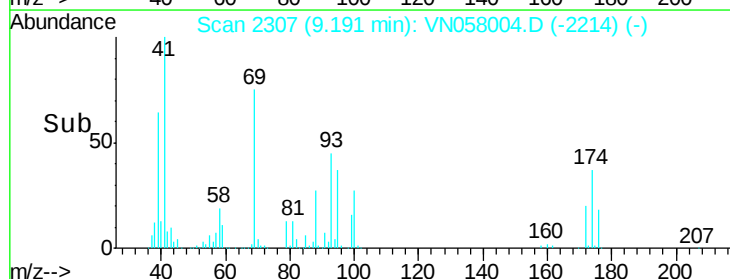
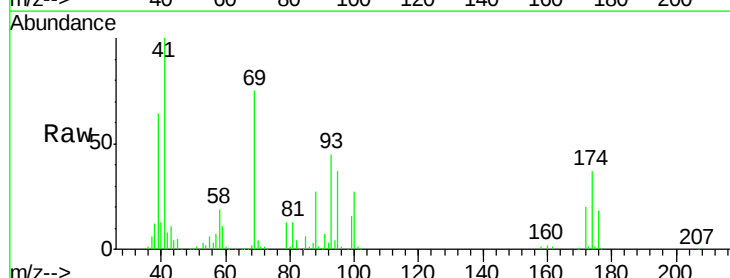
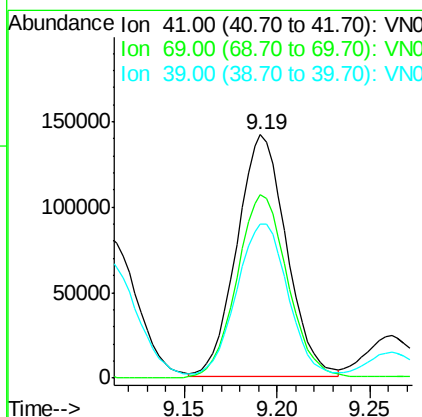
RT: 9.19 min Scan# 2307

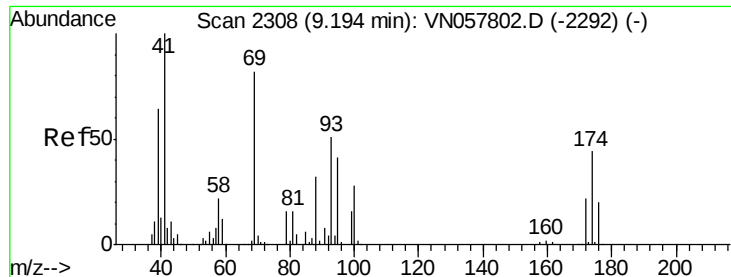
Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion:	41	Resp:	265051
Ion Ratio	Lower	Upper	
41	100		
69	77.2	62.7	94.1
39	66.1	52.7	79.1





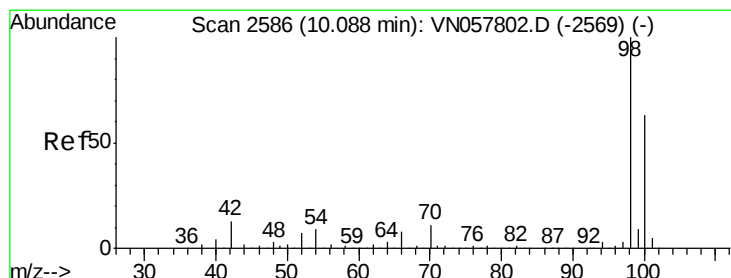
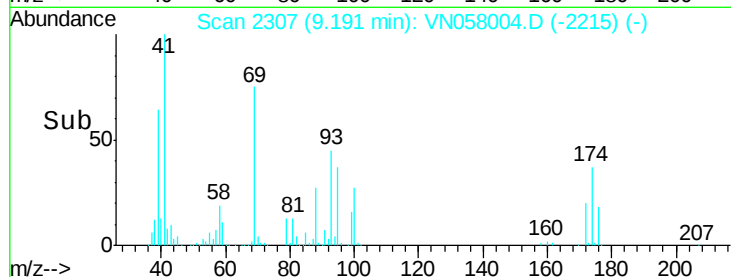
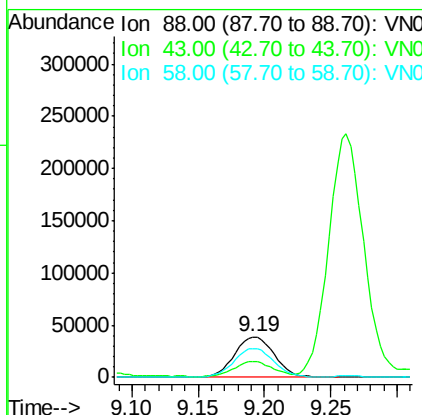
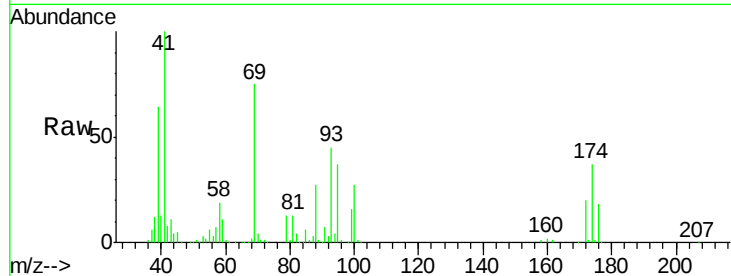
#49
 1,4-Dioxane
 Concen: 894.377 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.5	42.7
58	72.2	55.8	83.6

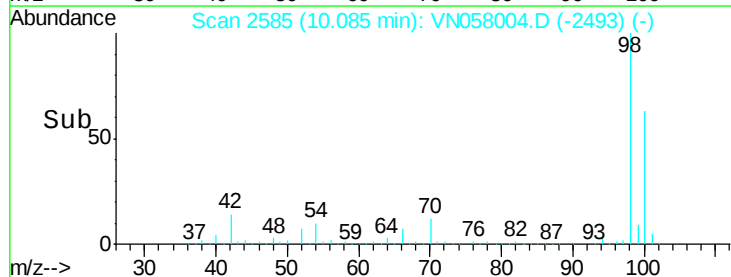
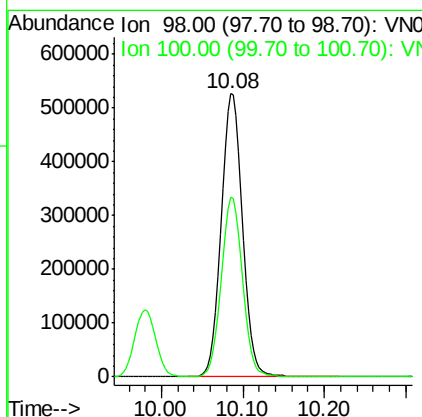
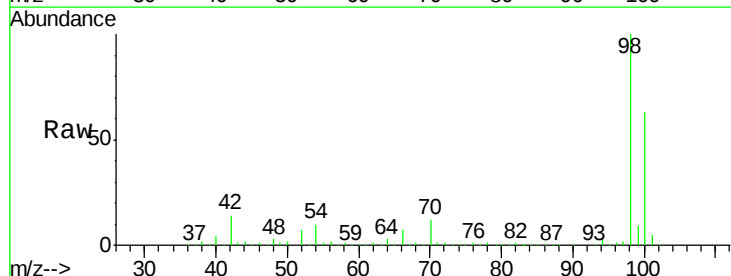
Manual Integrations
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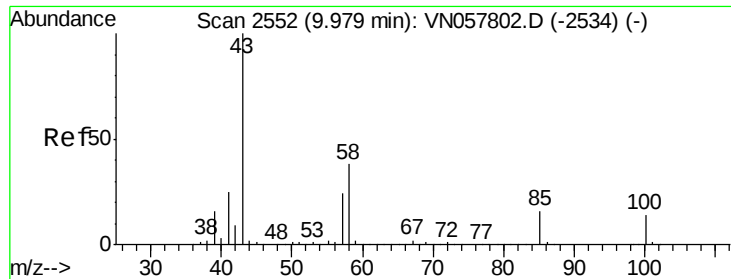
MMDadoda
 9/16/2019 1:48:33 PM



#50
 Toluene-d8
 Concen: 52.047 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 266.314 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1669524

Ion Ratio Lower Upper

43 100

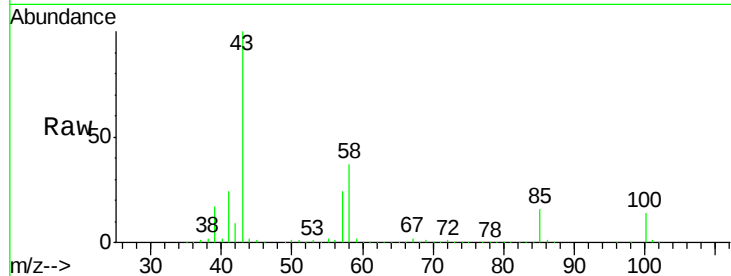
58 36.9 29.8 44.6

Manual Integrations

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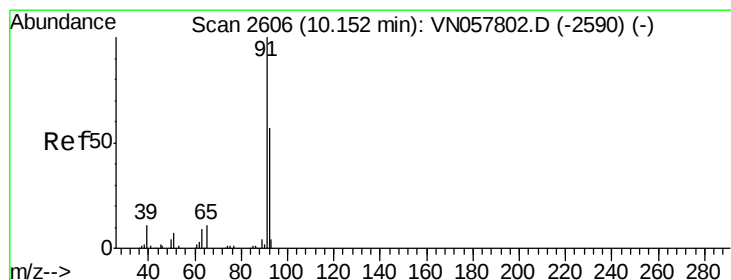
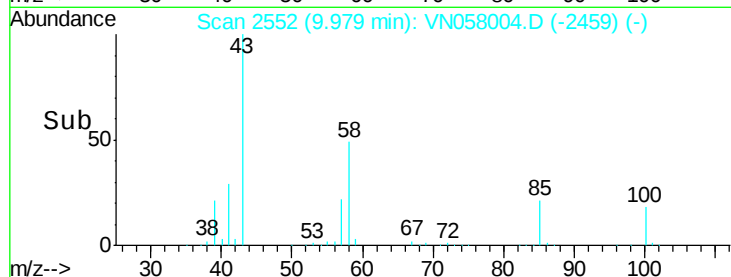
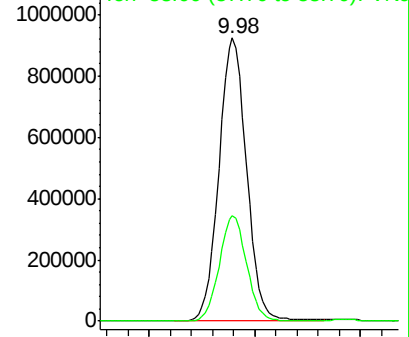
MMDadoda

9/16/2019 1:48:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.706 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058004.D

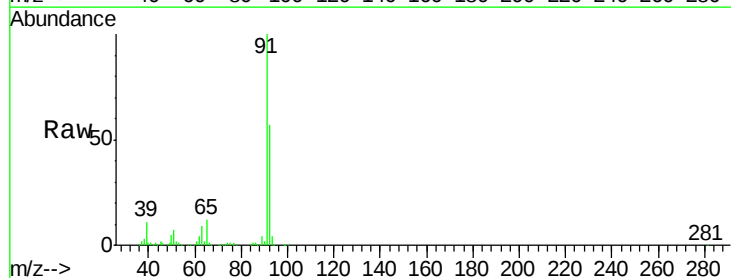
Acq: 13 Sep 2019 9:34

Tgt Ion: 92 Resp: 574680

Ion Ratio Lower Upper

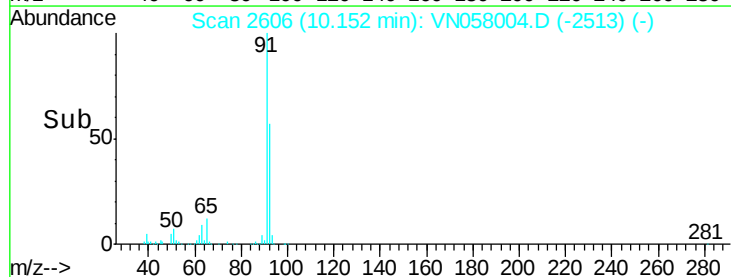
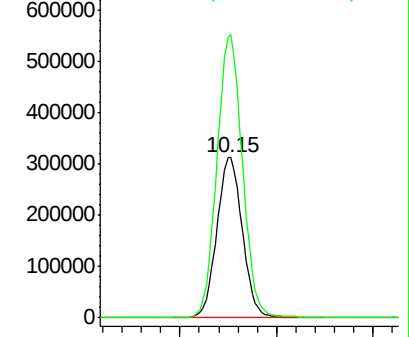
92 100

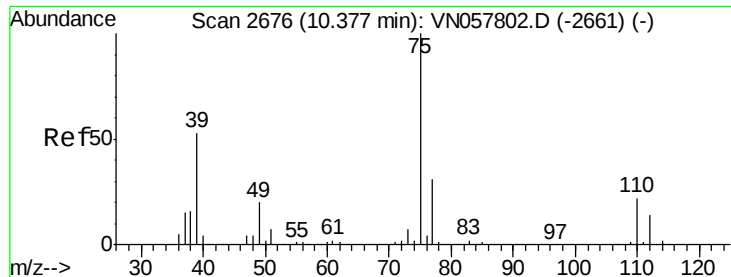
91 176.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





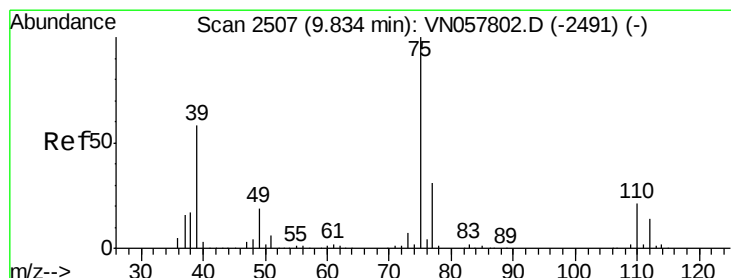
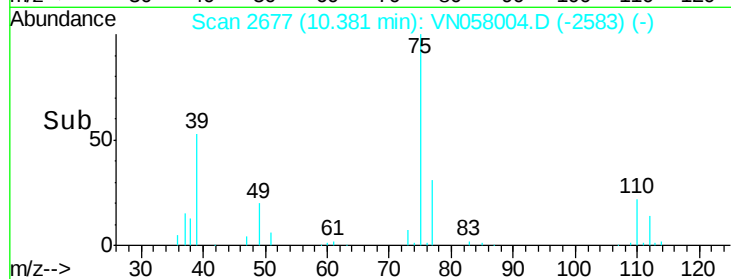
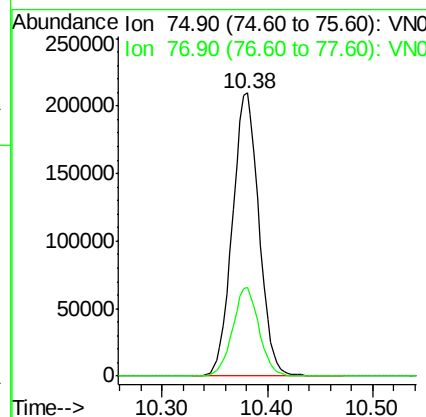
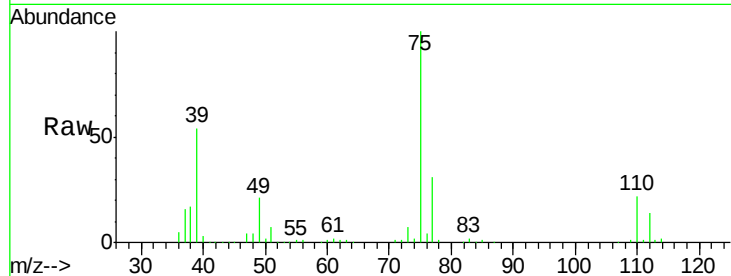
#53
 t-1,3-Dichloropropene
 Concen: 53.582 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 363681
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7

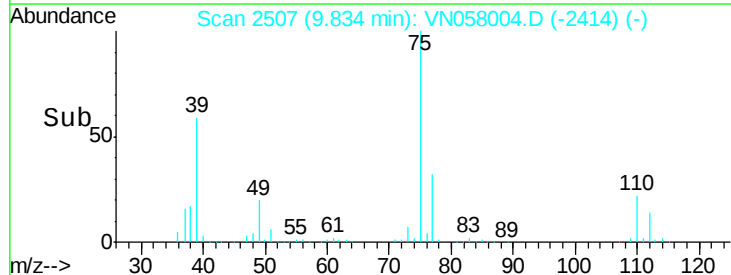
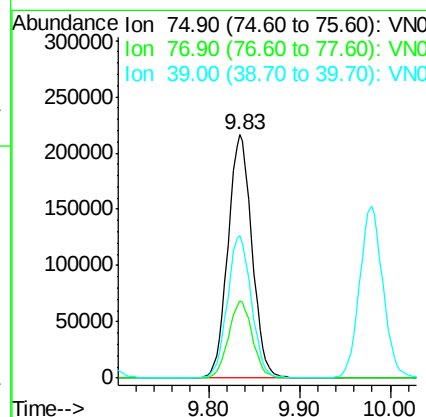
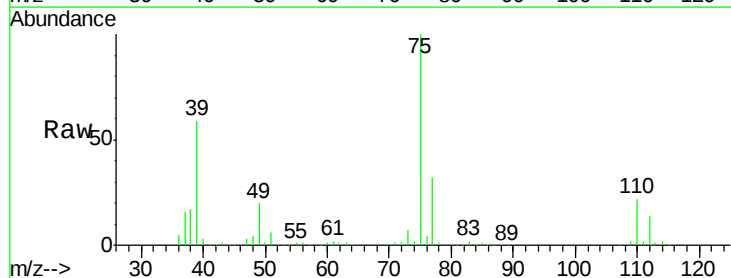
Manual Integrations
 APPROVED

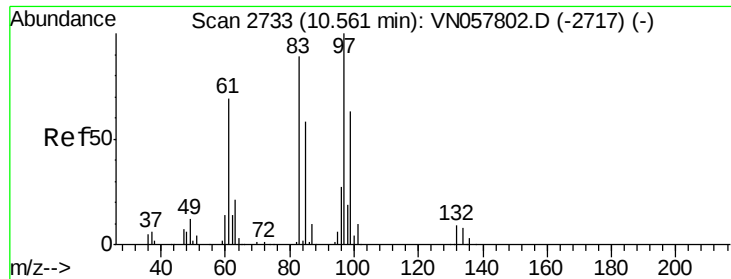
MMDadoda
 9/16/2019 1:48:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.856 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion: 75 Resp: 396090
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 58.4 46.2 69.4





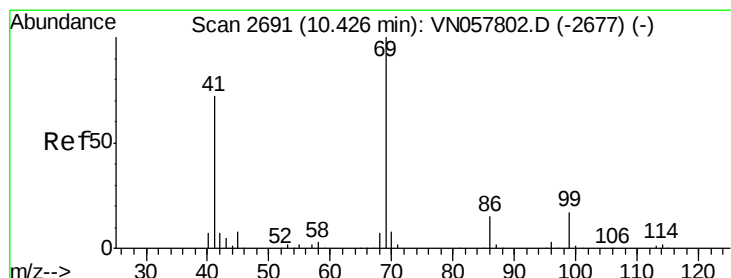
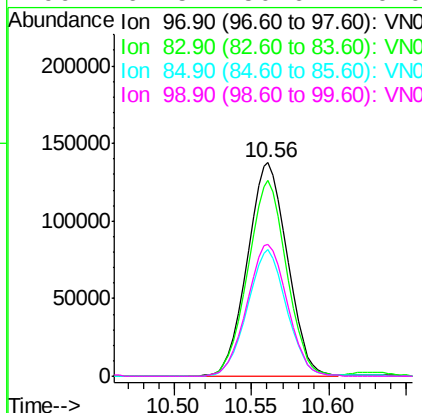
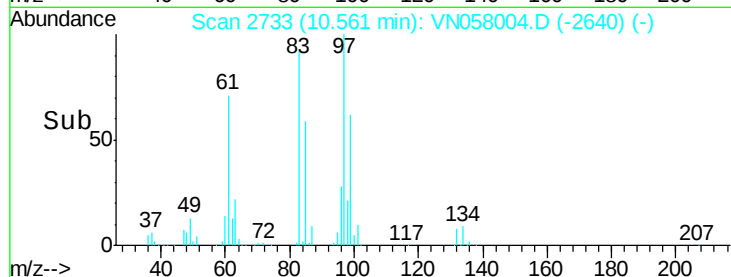
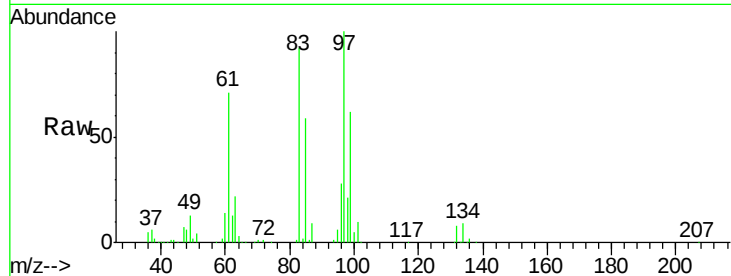
#55
 1,1,2-Trichloroethane
 Concen: 50.604 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	247825
Ion Ratio	Lower	Upper	
97	100		
83	91.6	70.8	106.2
85	59.1	46.0	69.0
99	61.5	50.6	76.0

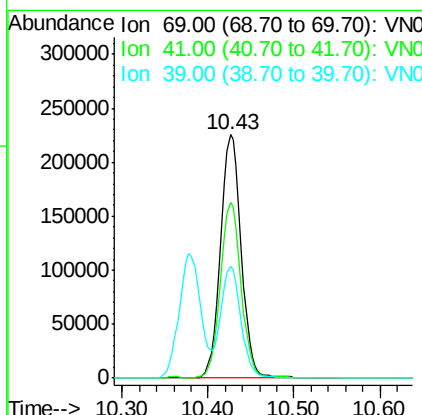
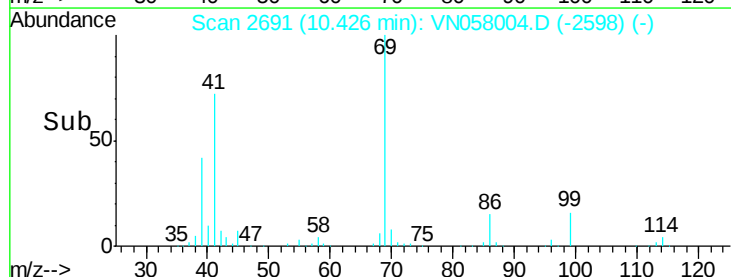
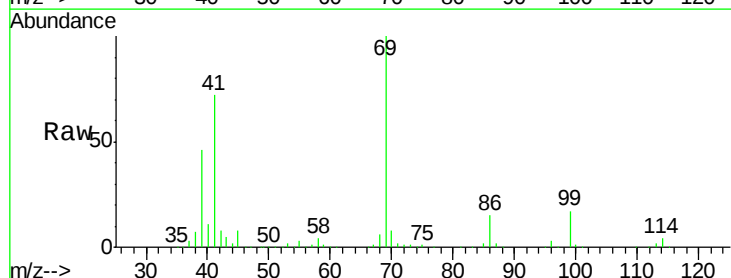
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.164 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion:	69	Resp:	377328
Ion Ratio	Lower	Upper	
69	100		
41	70.9	56.7	85.1
39	44.9	36.3	54.5





#57

1,3-Dichloropropane

Concen: 51.207 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 432185

Ion Ratio Lower Upper

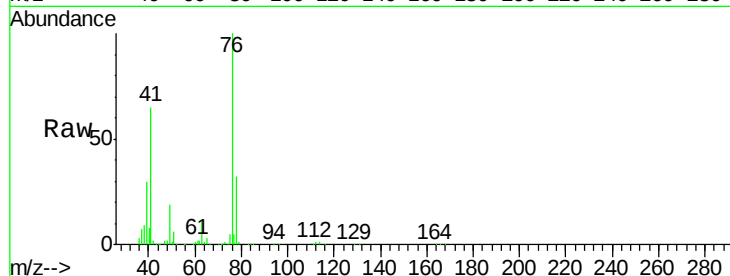
76 100

78 31.7 25.4 38.2

Manual Integrations
APPROVED

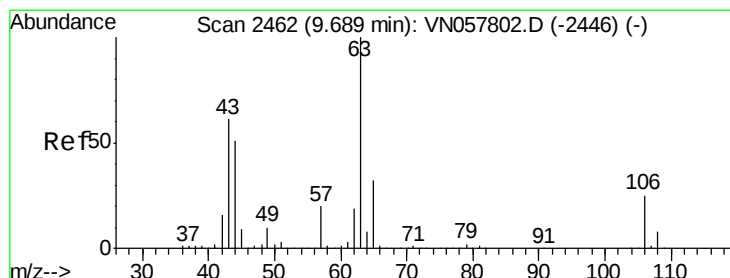
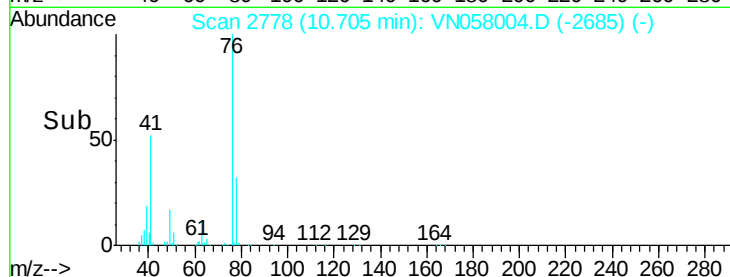
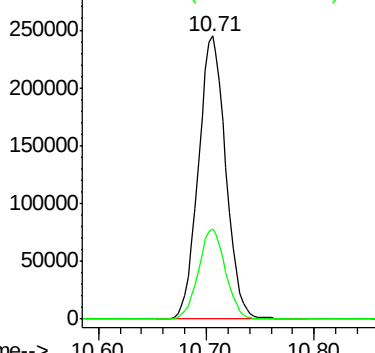
MMDadoda

9/16/2019 1:48:33 PM



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: 236.838 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058004.D

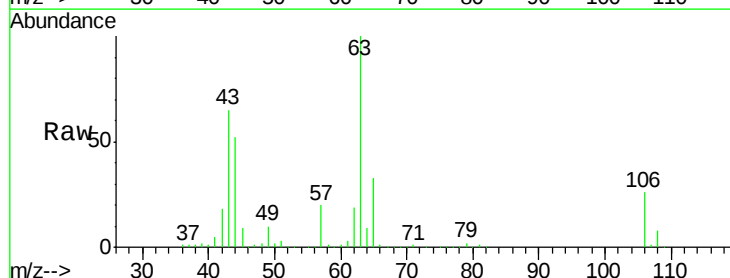
Acq: 13 Sep 2019 9:34

Tgt Ion: 63 Resp: 822655

Ion Ratio Lower Upper

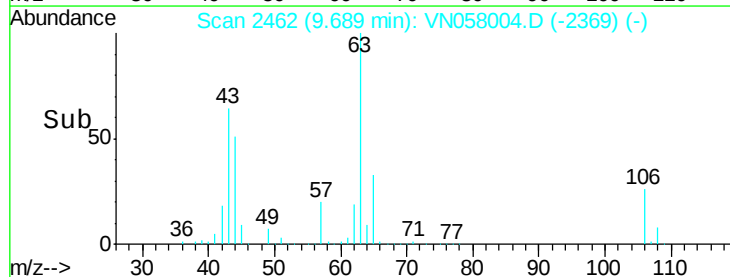
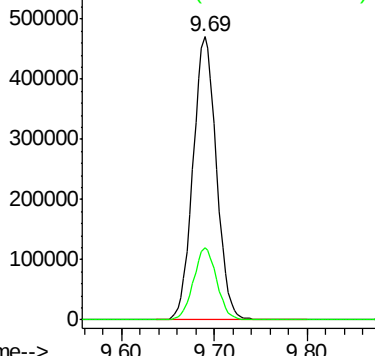
63 100

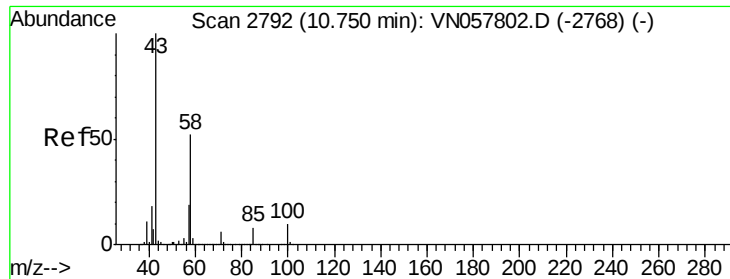
106 25.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





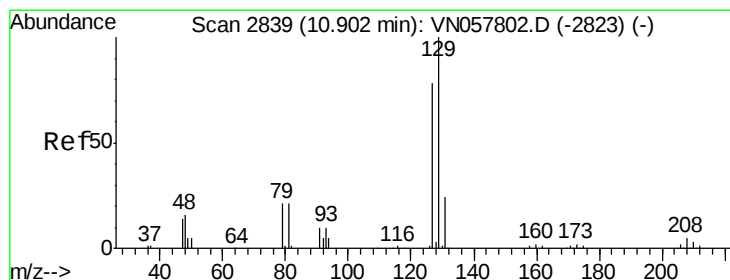
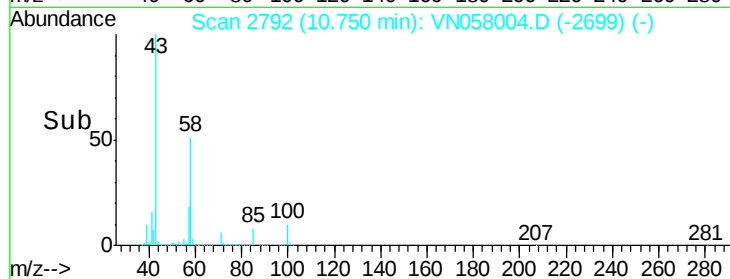
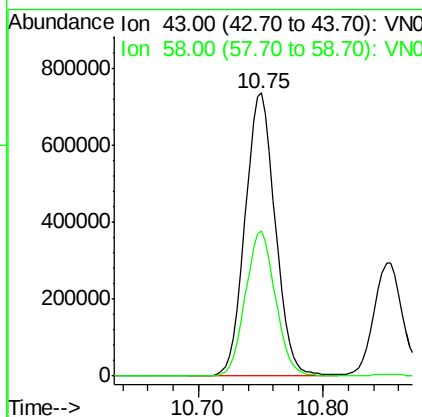
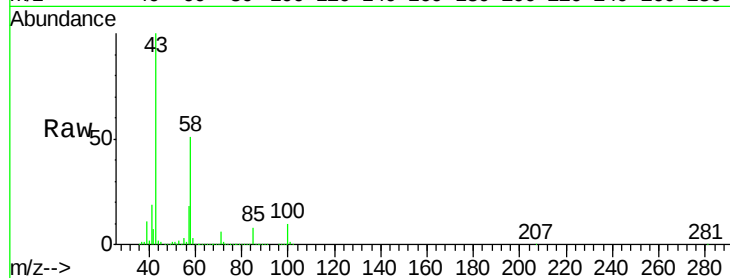
#59
2-Hexanone
Concen: 261.921 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1230727
Ion Ratio Lower Upper
43 100
58 51.2 25.6 76.8

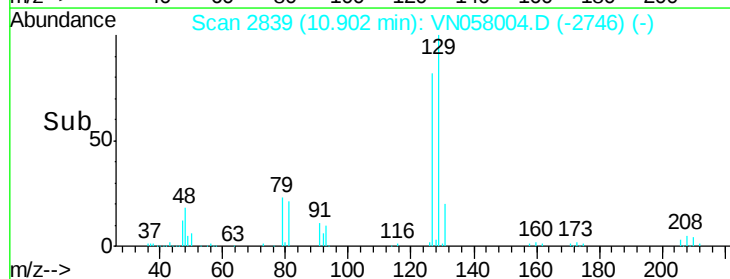
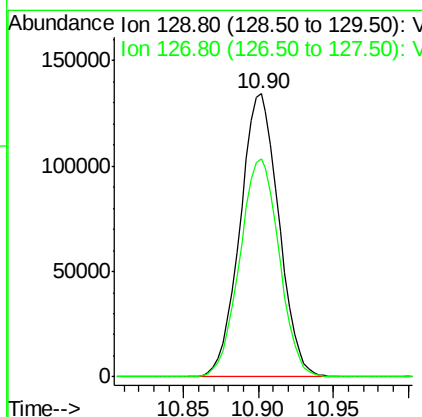
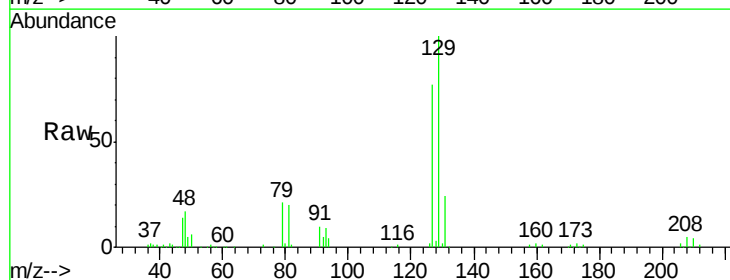
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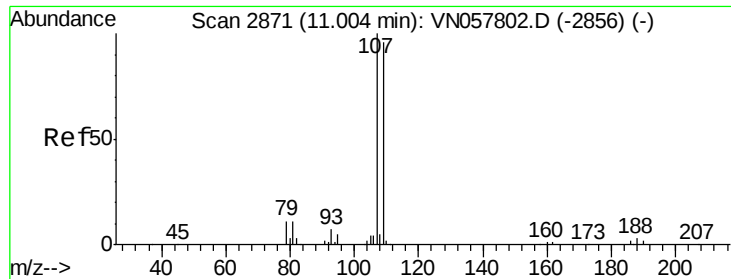
MMDadoda
9/16/2019 1:48:33 PM



#60
Dibromochloromethane
Concen: 53.261 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 129 Resp: 242210
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.293 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 237483

Ion Ratio Lower Upper

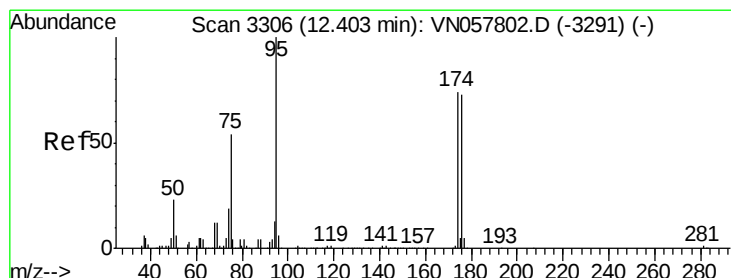
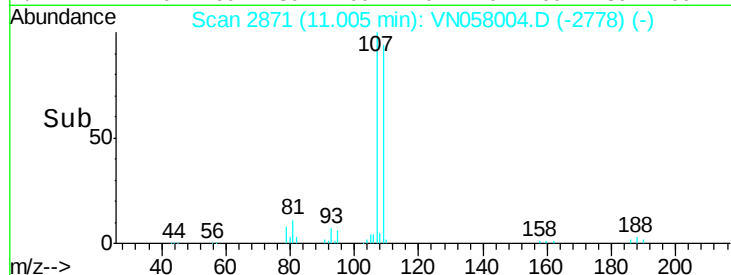
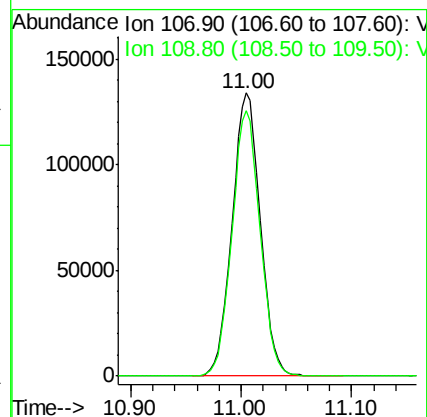
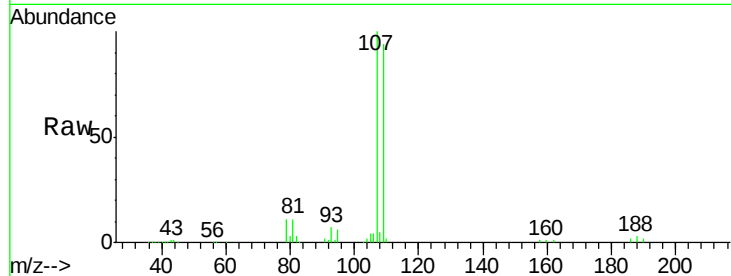
107 100

109 93.5 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.115 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

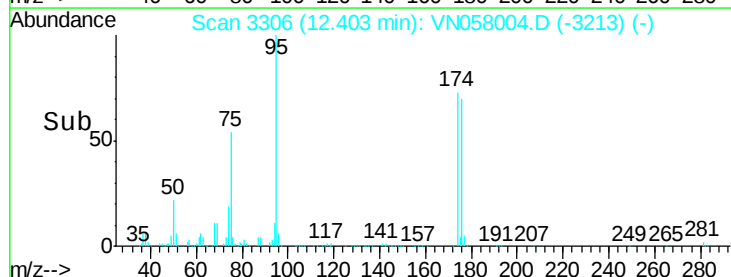
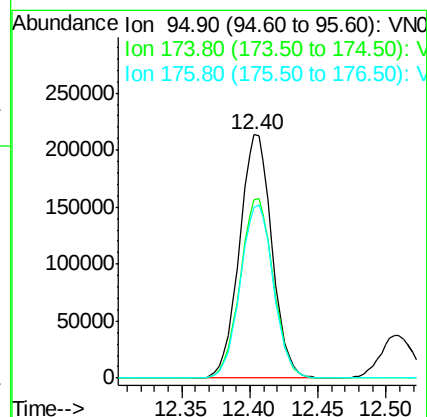
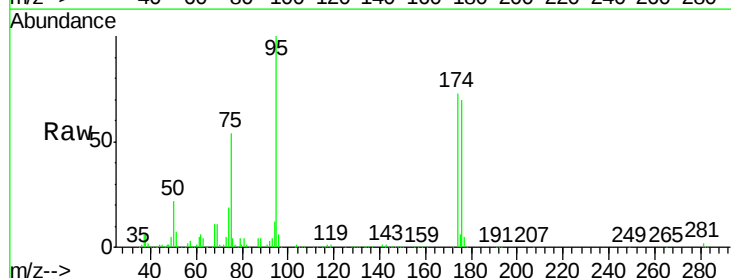
Tgt Ion: 95 Resp: 352619

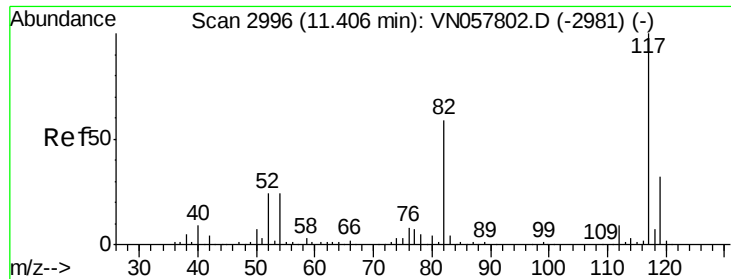
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 72.6 0.0 146.0





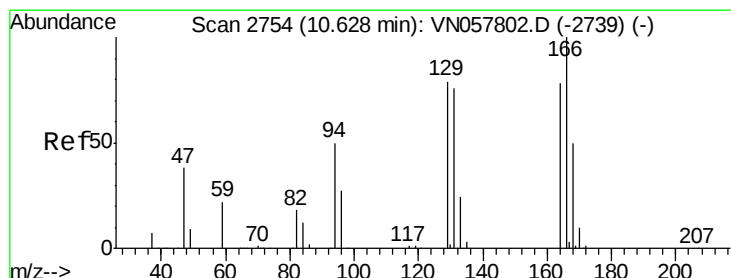
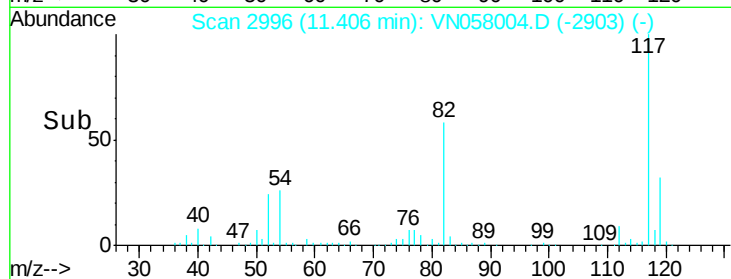
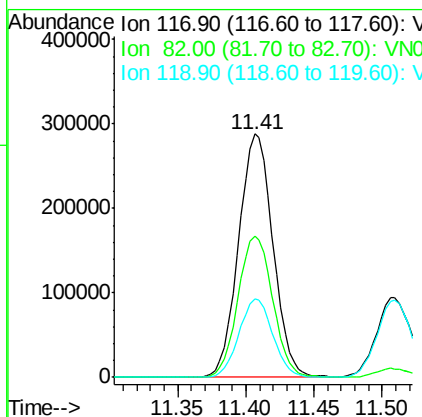
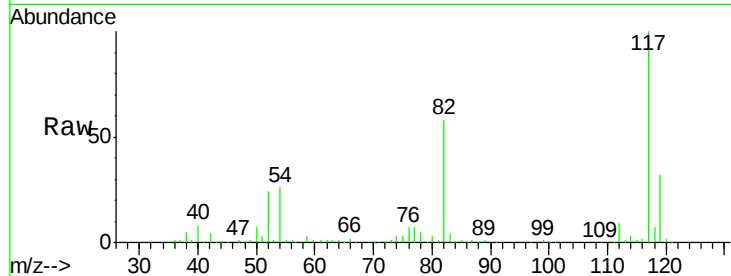
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	504748		
82	58.2	47.2	70.8	
119	32.4	25.3	37.9	

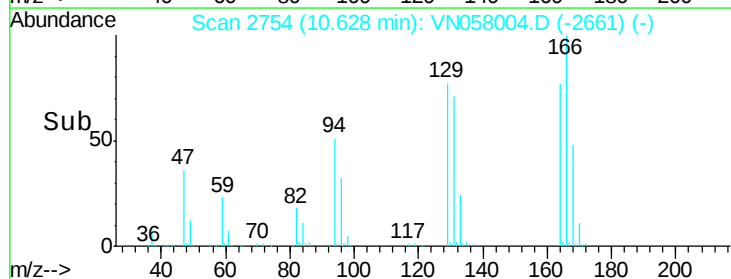
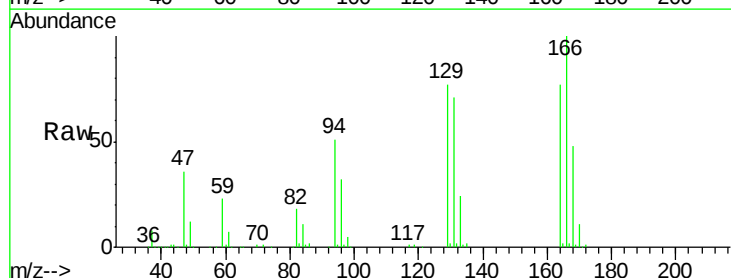
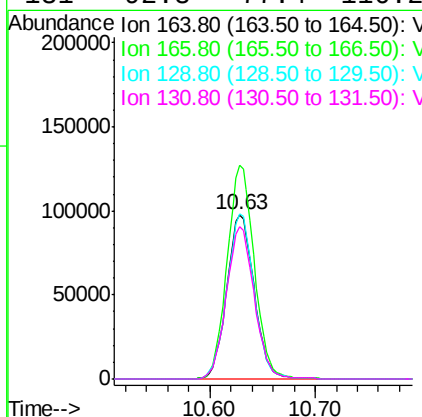
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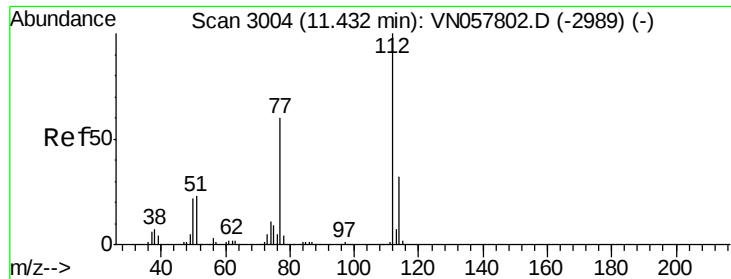
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#64
Tetrachloroethene
Concen: 47.170 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175794		
166	129.9	102.2	153.2	
129	100.4	80.8	121.2	
131	92.8	77.4	116.2	





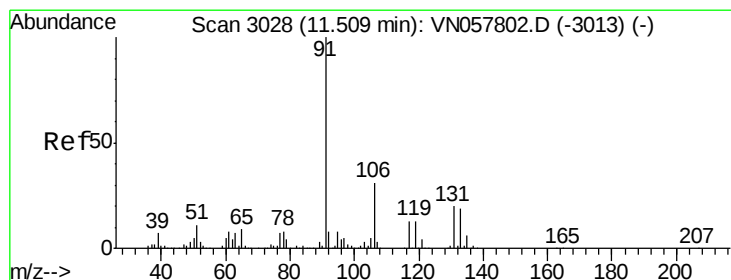
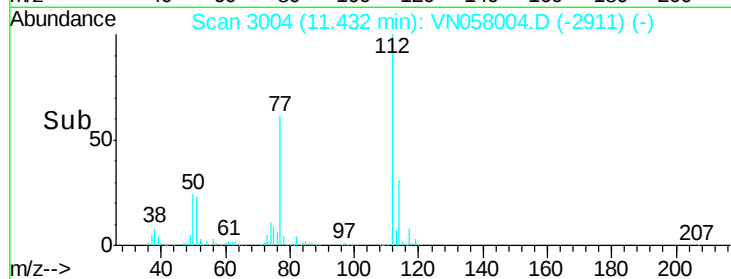
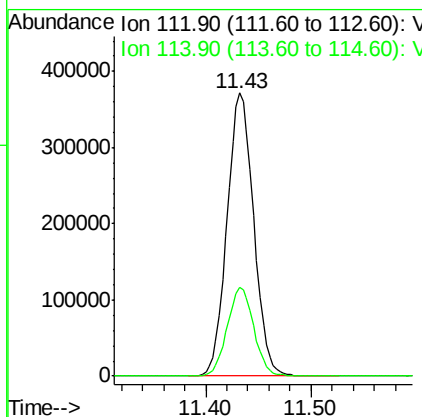
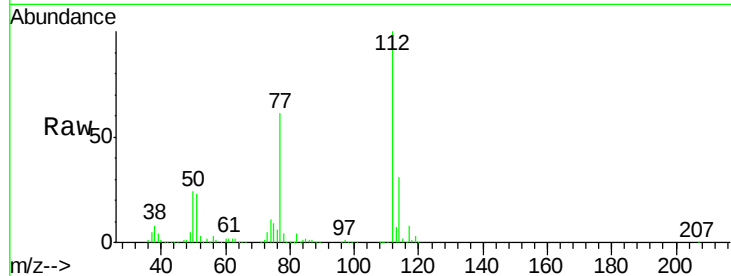
#65
Chlorobenzene
Concen: 49.050 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 647930
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

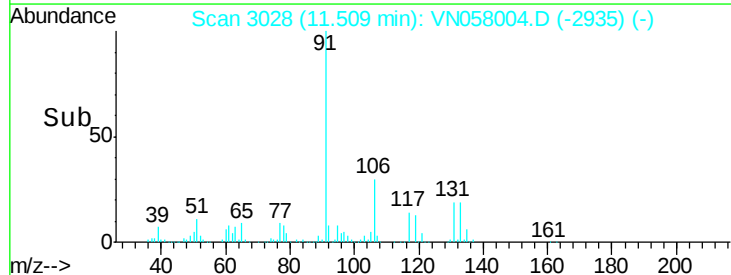
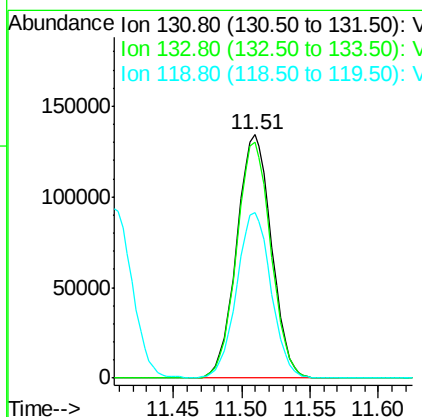
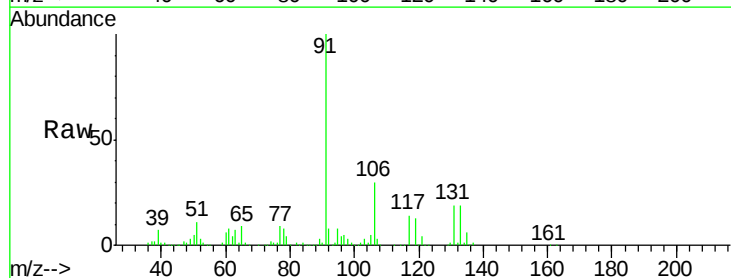
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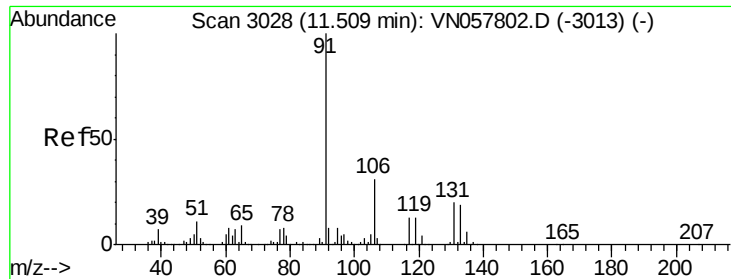
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.870 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion:131 Resp: 237755
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.3
119 67.3 33.3 99.8





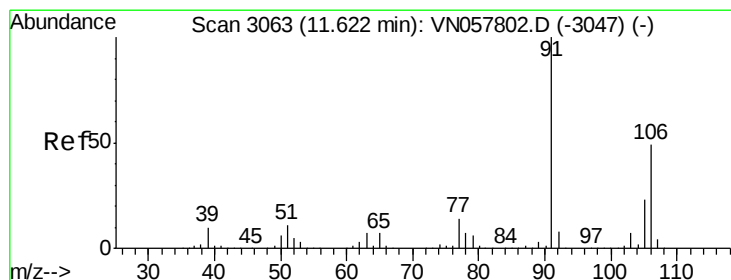
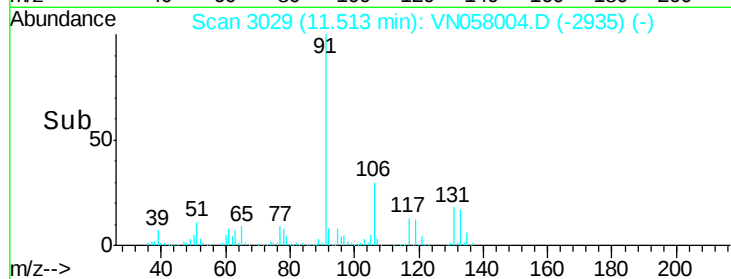
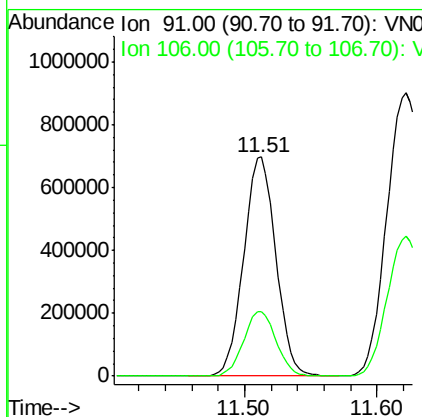
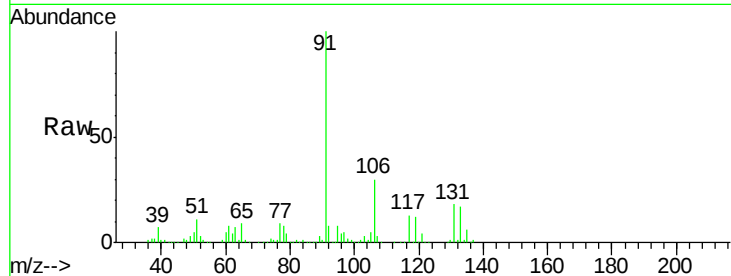
#67
Ethyl Benzene
Concen: 50.765 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1175230
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6

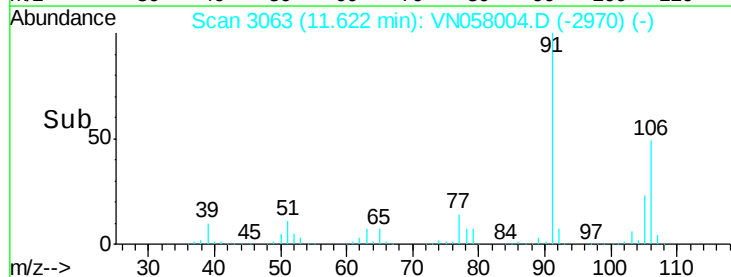
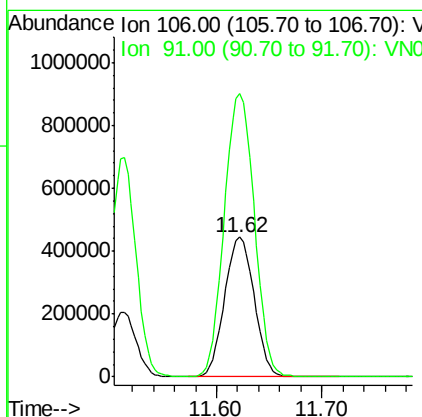
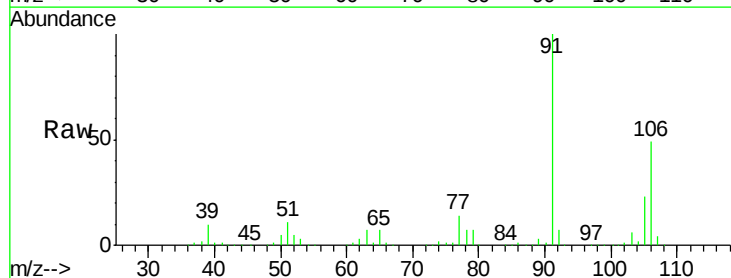
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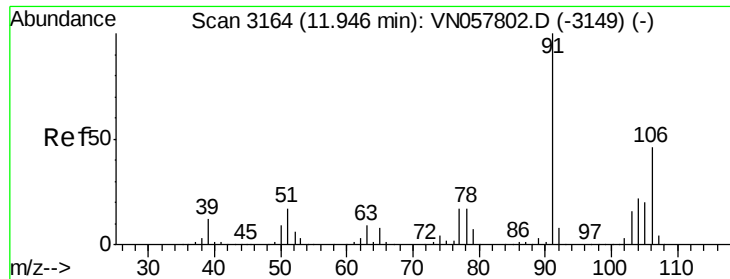
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#68
m/p-Xylenes
Concen: 101.975 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 106 Resp: 864748
Ion Ratio Lower Upper
106 100
91 205.6 165.8 248.6





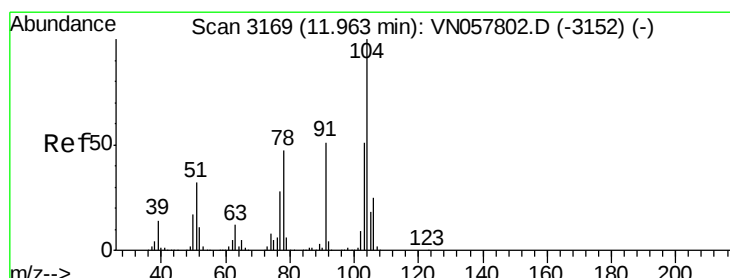
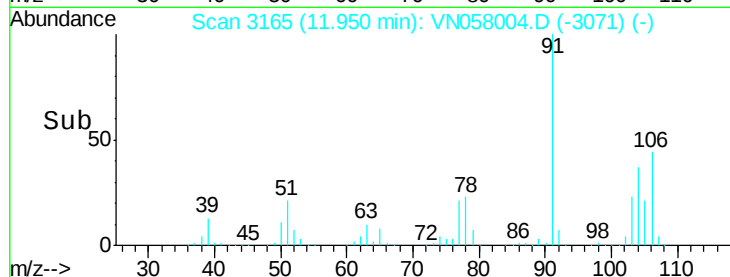
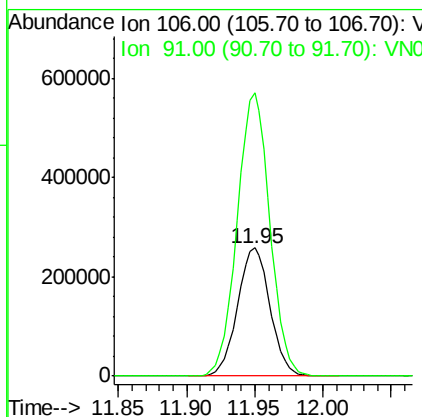
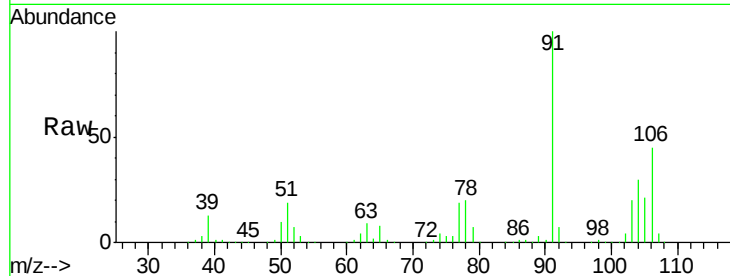
#69
o-Xylene
Concen: 50.469 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 425474
Ion Ratio Lower Upper
106 100
91 222.6 108.7 326.1

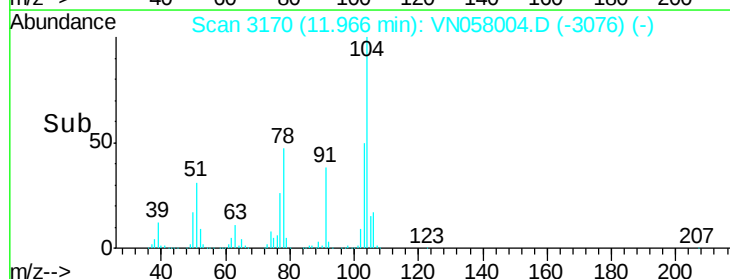
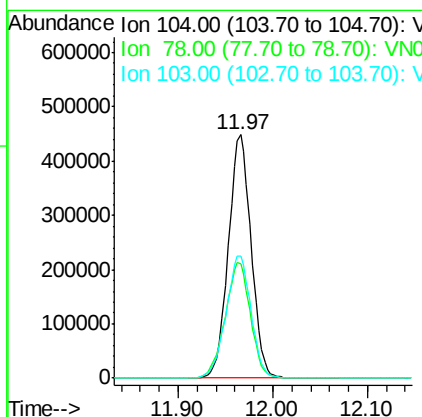
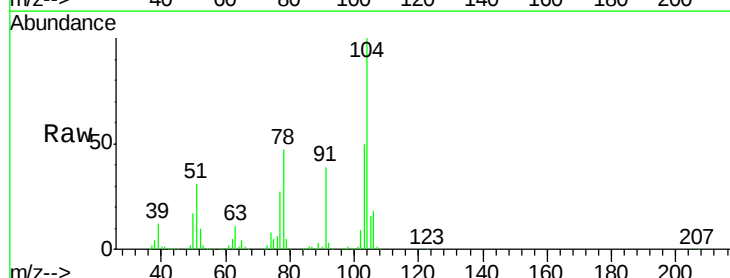
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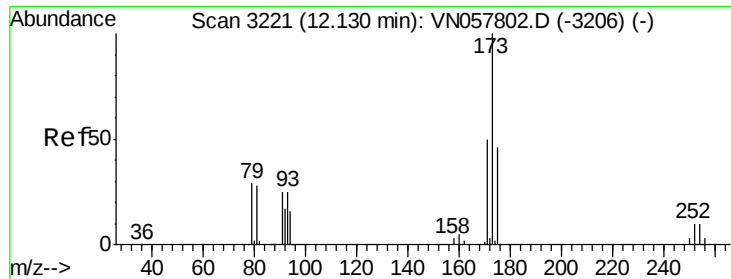
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#70
Styrene
Concen: 51.720 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion:104 Resp: 750386
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 55.2 43.7 65.5





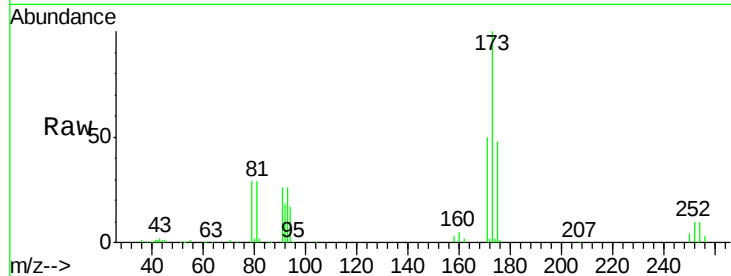
#71
Bromoform
Concen: 52.929 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

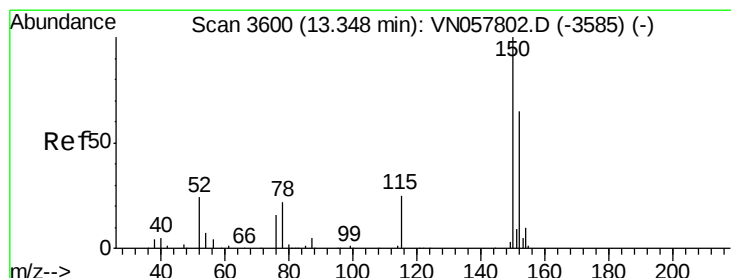
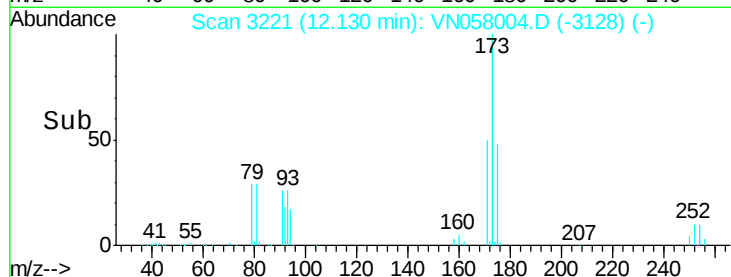
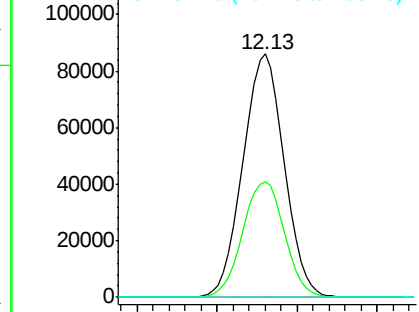
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.6
254	0.0	0.1	0.1#

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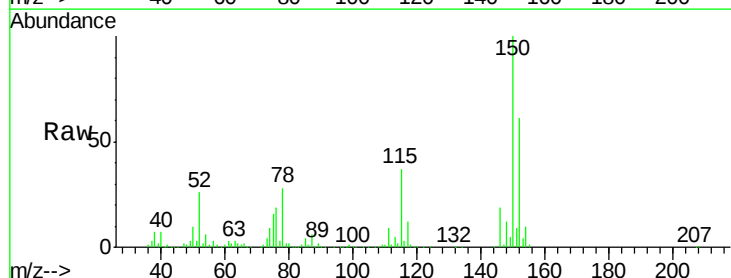


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

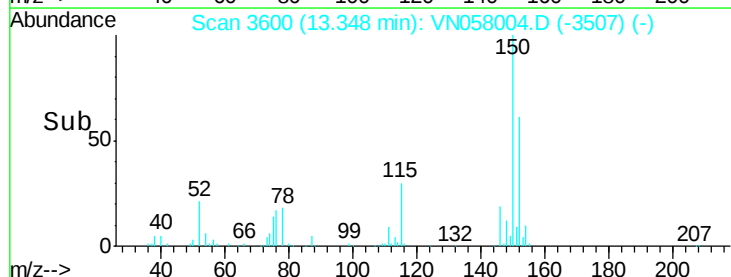
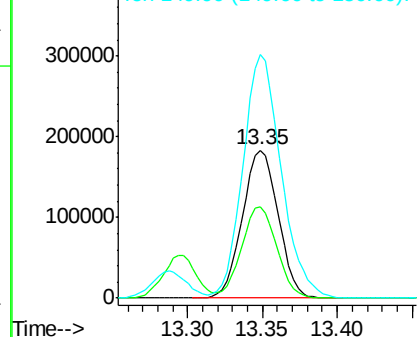


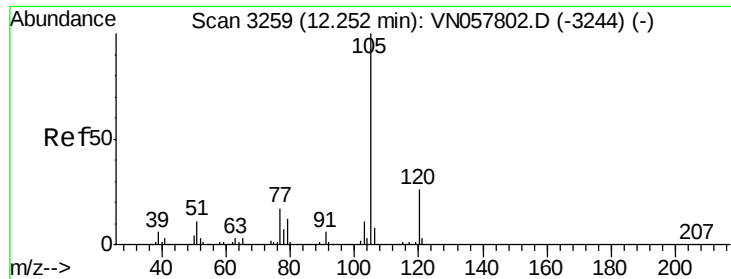
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.3	91.0
150	176.1	0.0	352.4



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: 50.727 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1198669

Ion Ratio Lower Upper

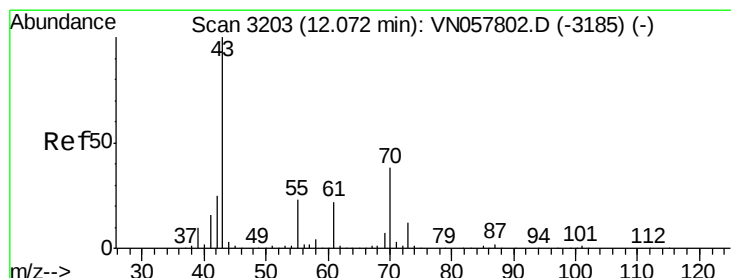
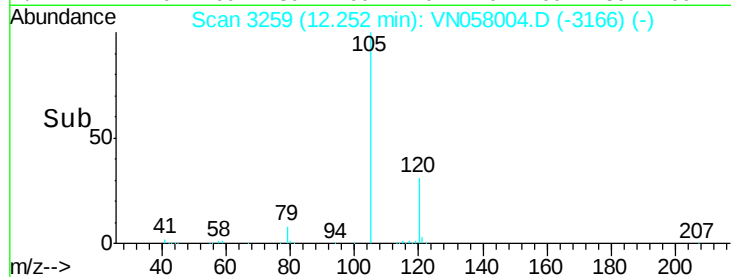
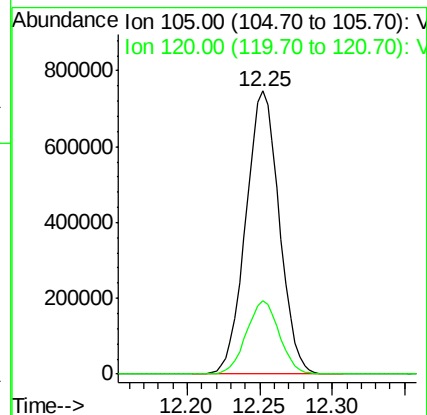
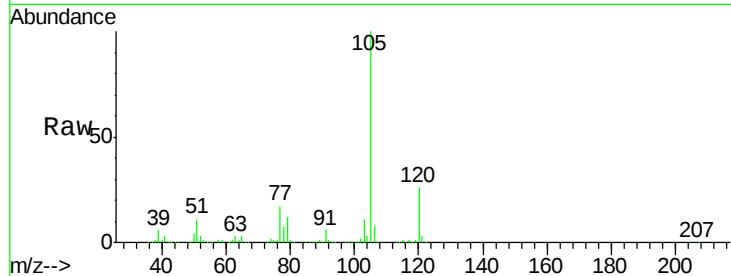
105 100

120 25.6 12.8 38.4

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#74

N-ethyl acetate

Concen: 48.679 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion: 43 Resp: 500606

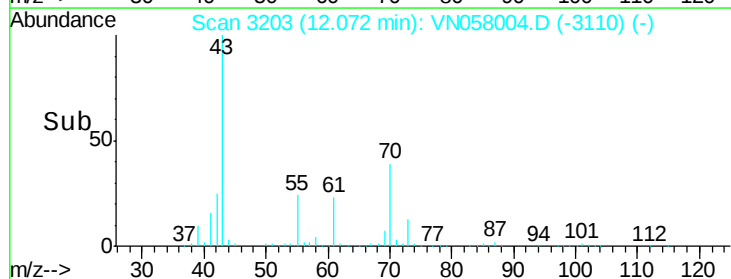
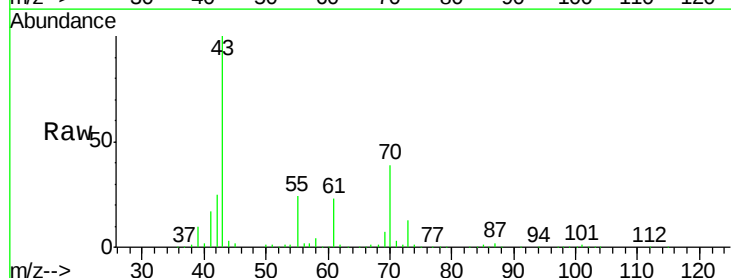
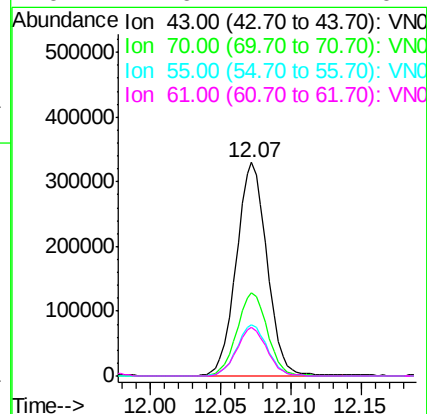
Ion Ratio Lower Upper

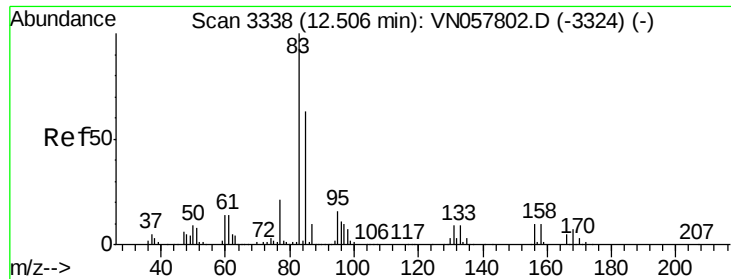
43 100

70 39.0 30.6 45.8

55 24.2 18.6 27.8

61 22.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.894 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

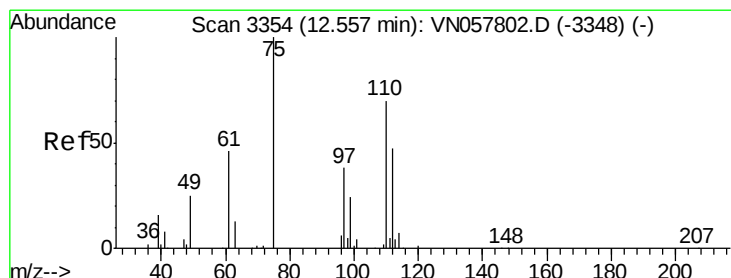
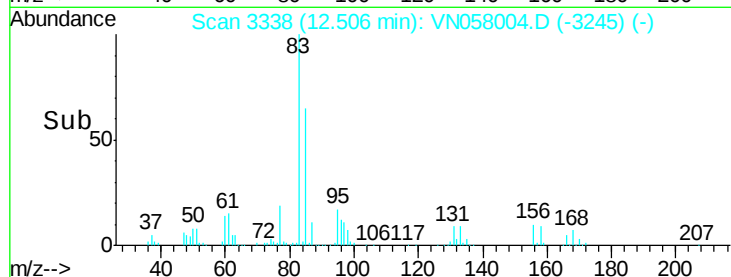
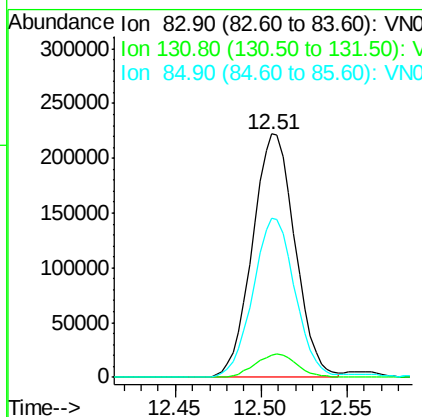
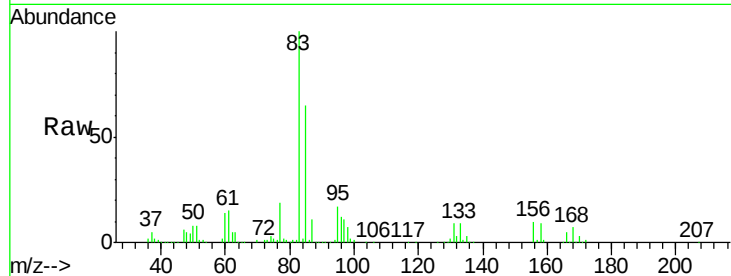
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	381055
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	64.4	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 49.697 ug/l m

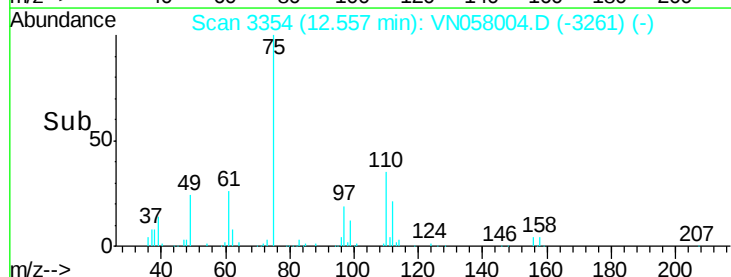
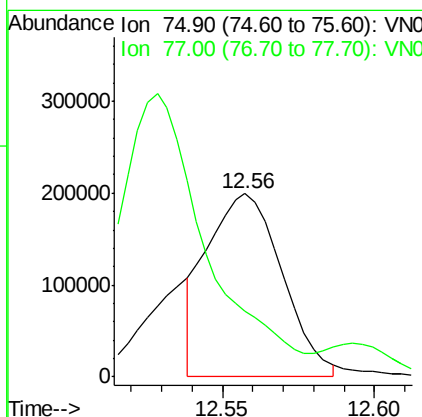
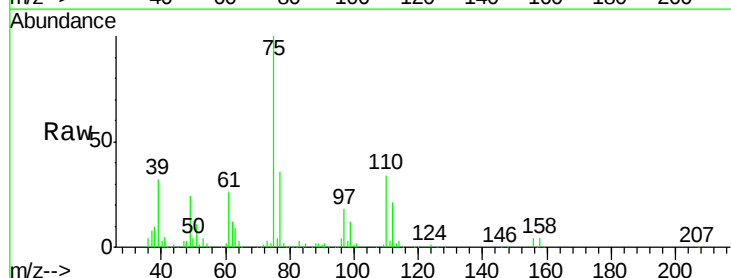
RT: 12.56 min Scan# 3354

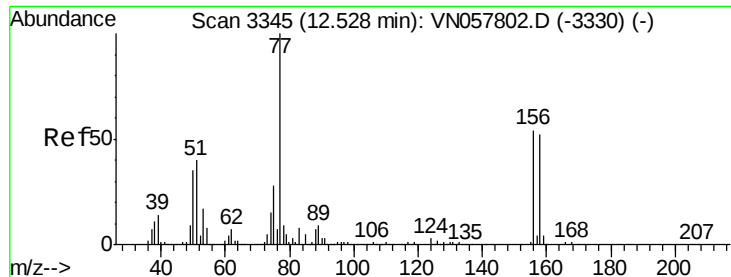
Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion:	75	Resp:	342351
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.305 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 278696

Ion Ratio Lower Upper

156 100

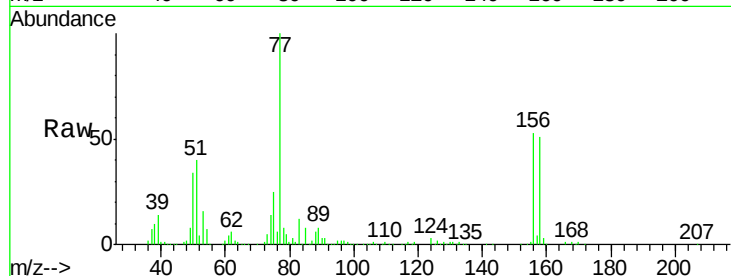
77 224.4 113.7 341.1

158 97.1 48.5 145.6

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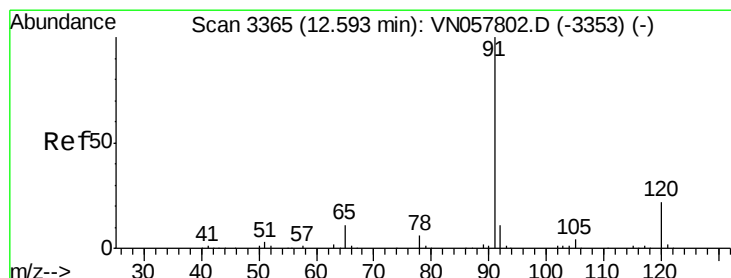
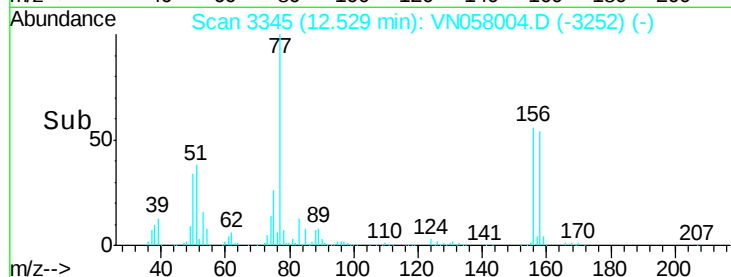
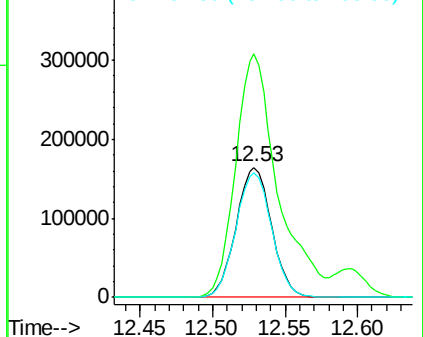
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.283 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058004.D

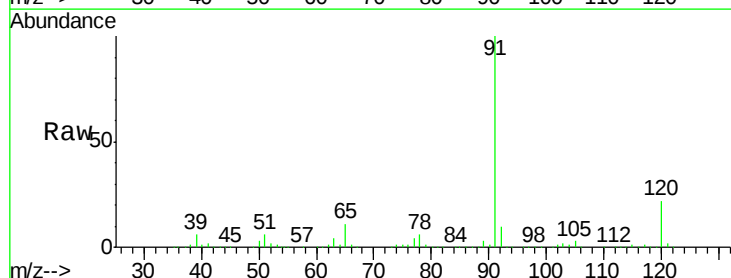
Acq: 13 Sep 2019 9:34

Tgt Ion: 91 Resp: 1418680

Ion Ratio Lower Upper

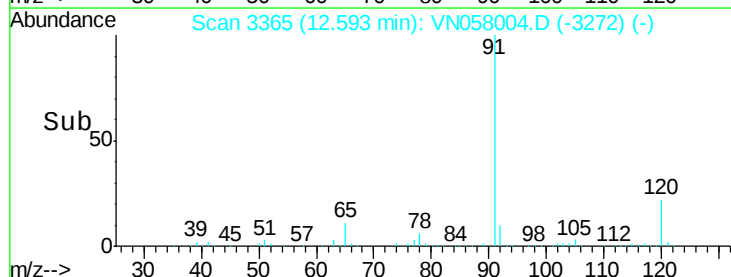
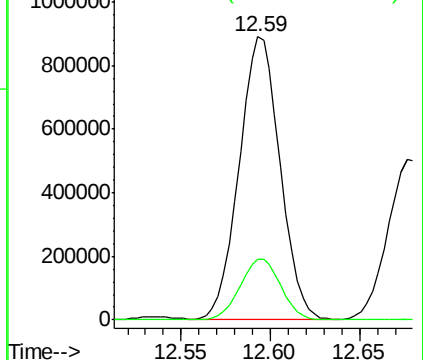
91 100

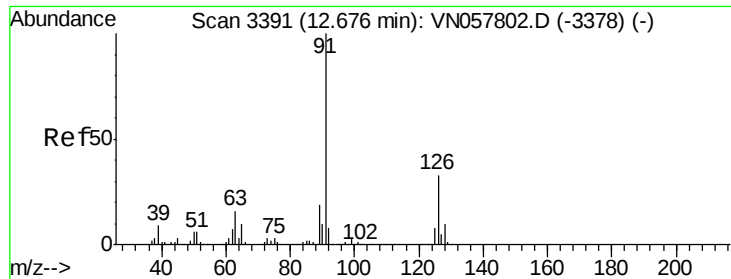
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.823 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 837300

Ion Ratio Lower Upper

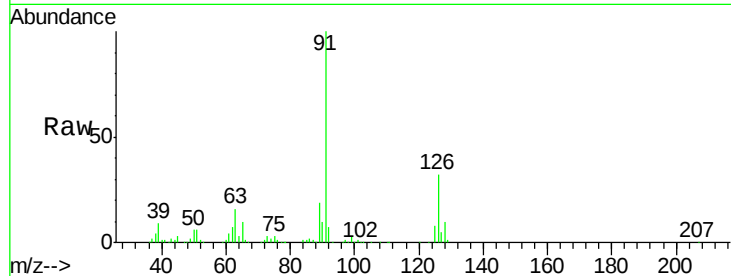
91 100

126 32.2 16.4 49.2

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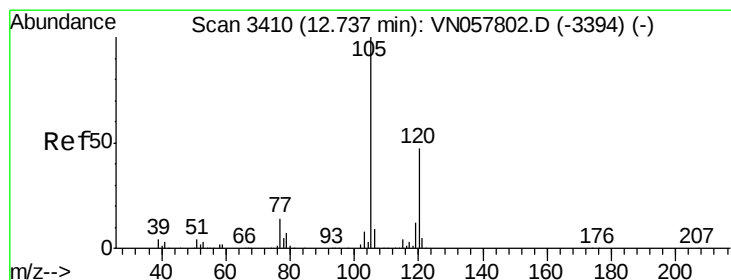
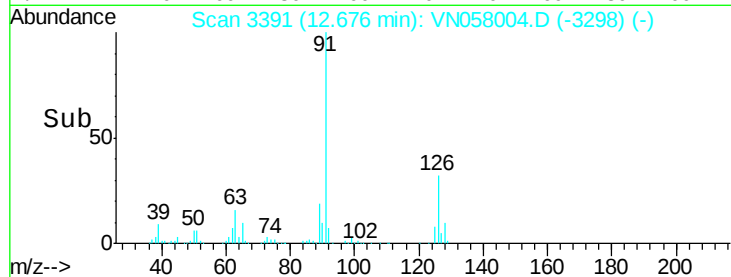
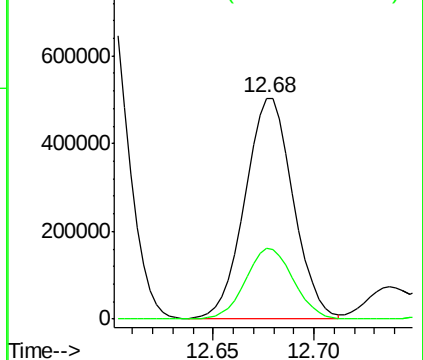
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Abundance Ion 91.00 (90.70 to 91.70): VN058004.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN058004.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.480 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058004.D

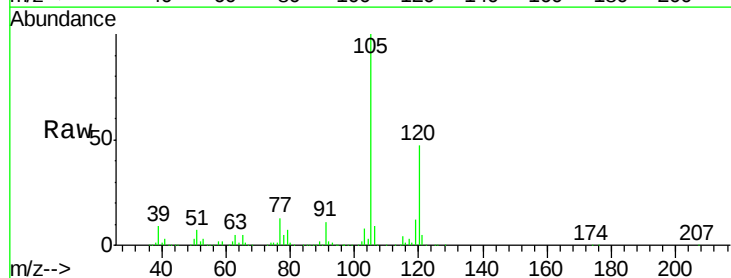
Acq: 13 Sep 2019 9:34

Tgt Ion: 105 Resp: 1027843

Ion Ratio Lower Upper

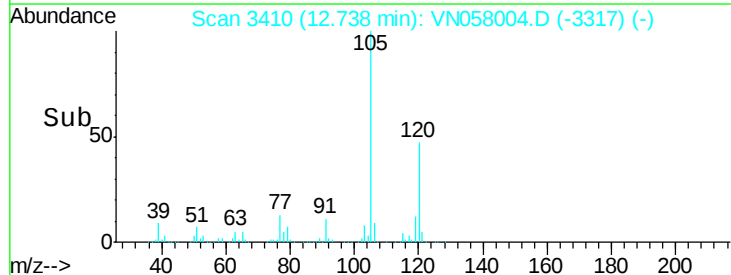
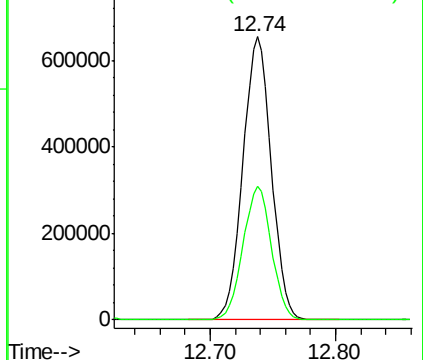
105 100

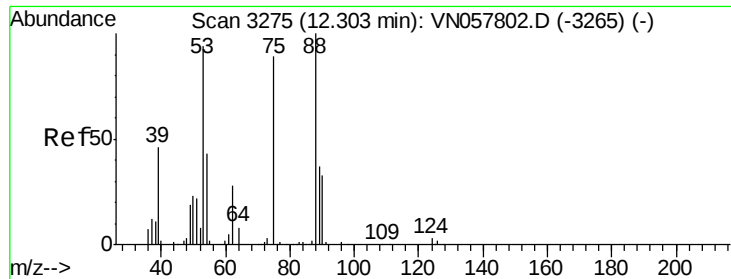
120 47.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058004.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058004.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.025 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 97929

Ion Ratio Lower Upper

75 100

53 115.8 88.4 132.6

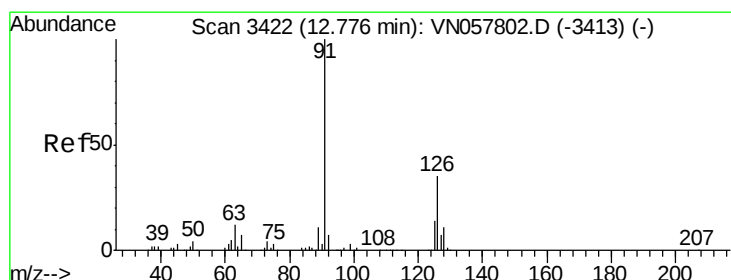
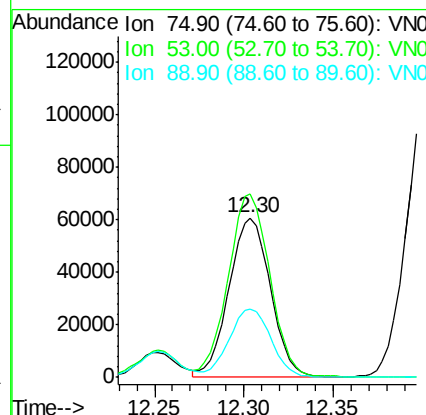
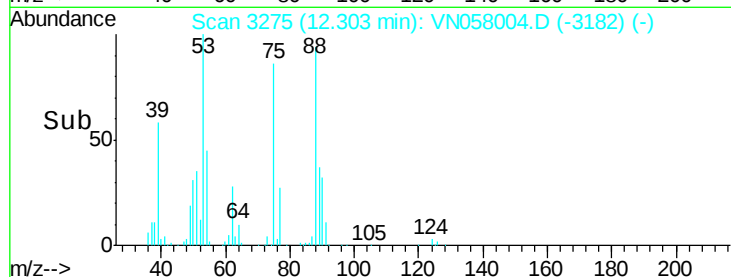
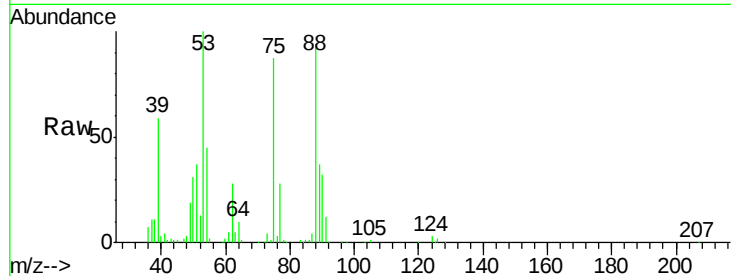
89 43.8 35.3 52.9

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#82

4-Chlorotoluene

Concen: 50.147 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058004.D

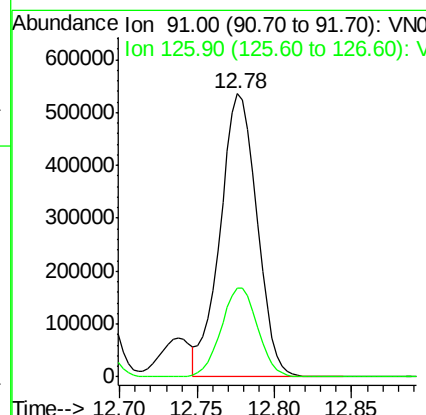
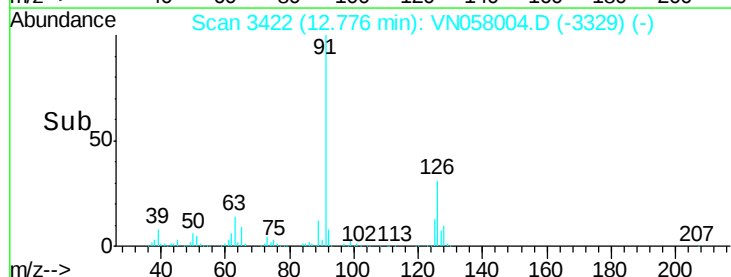
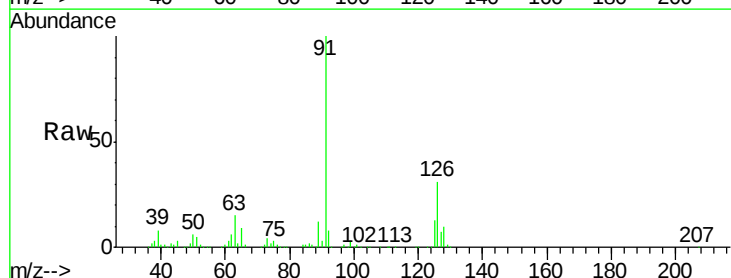
Acq: 13 Sep 2019 9:34

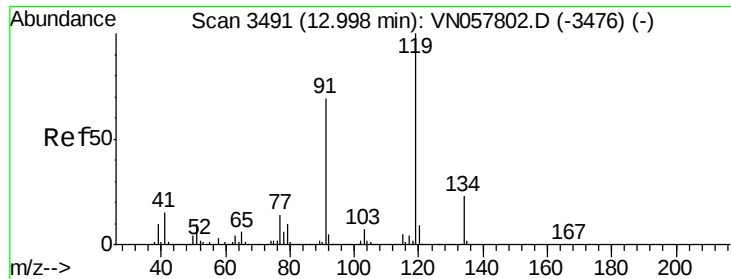
Tgt Ion: 91 Resp: 883166

Ion Ratio Lower Upper

91 100

126 31.2 16.0 48.0





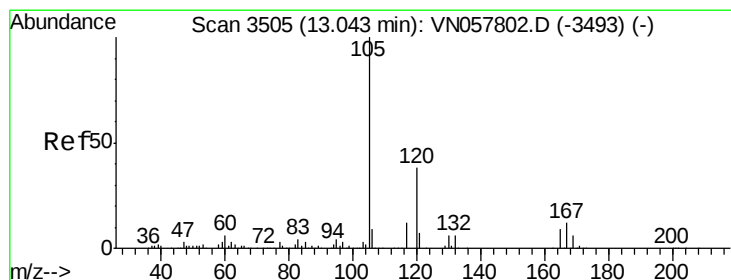
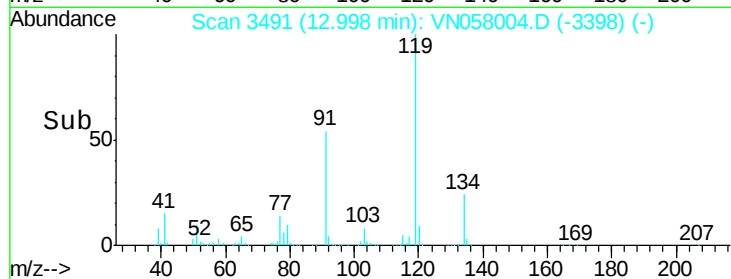
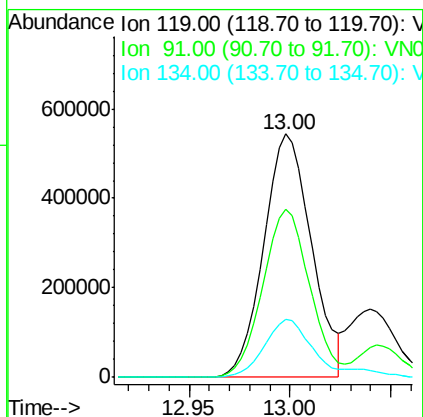
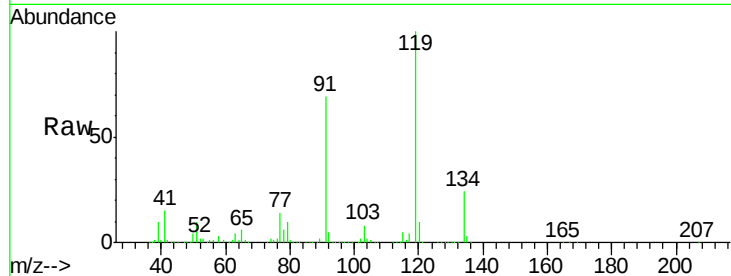
#83
tert-Butylbenzene
Concen: 50.441 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.6	100.8
134	23.3	11.7	35.0

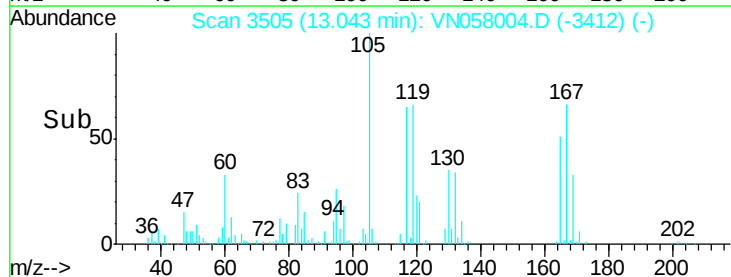
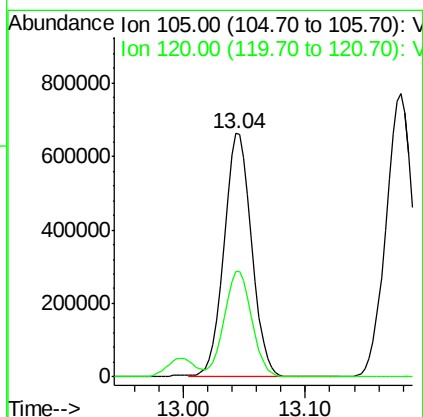
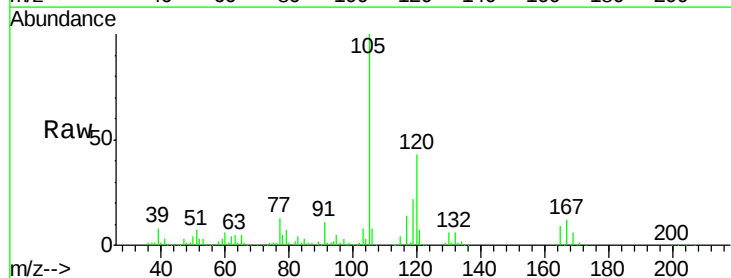
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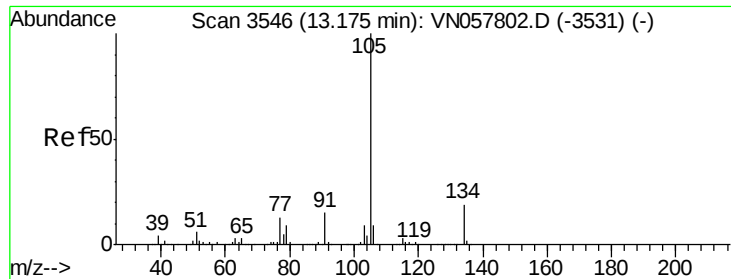
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#84
1,2,4-Trimethylbenzene
Concen: 51.739 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.2





#85

sec-Butylbenzene

Concen: 51.717 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1216562

Ion Ratio Lower Upper

105 100

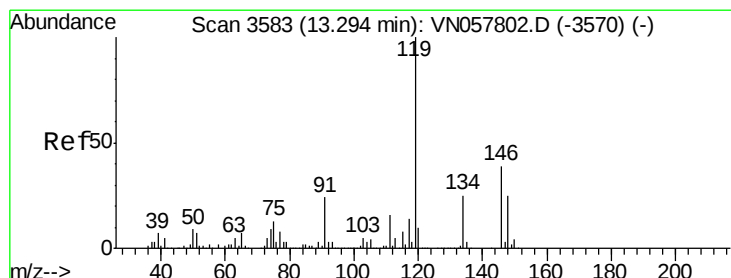
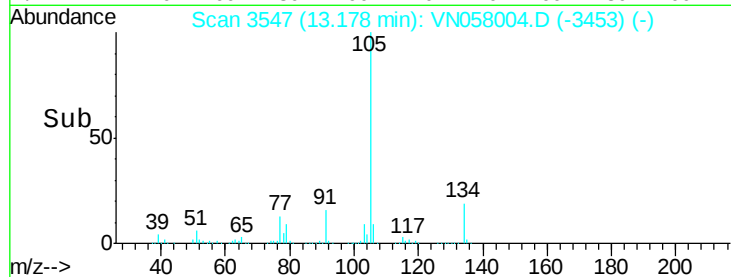
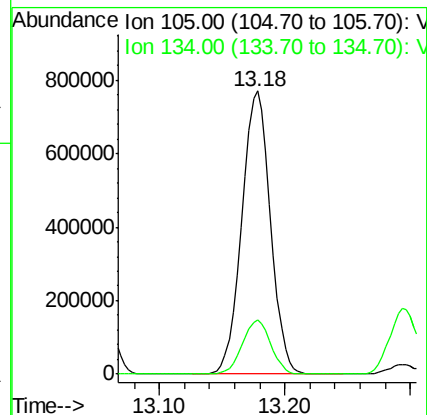
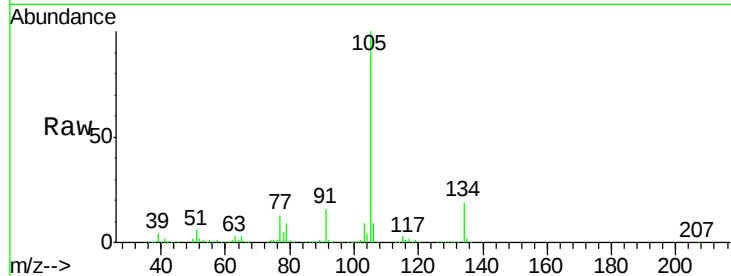
134 19.1 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 52.785 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

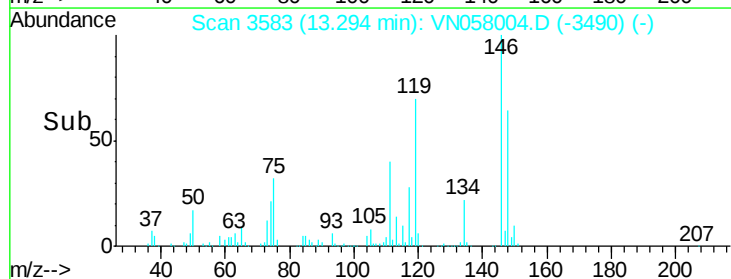
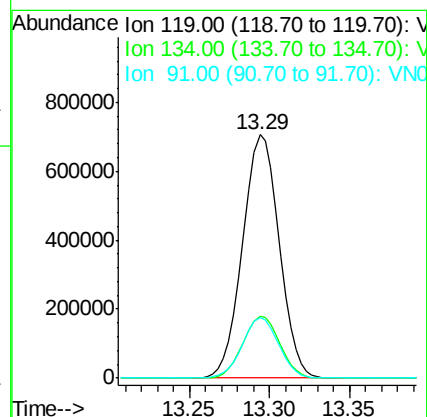
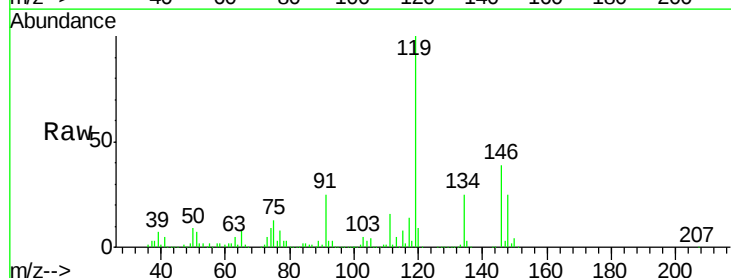
Tgt Ion:119 Resp: 1094050

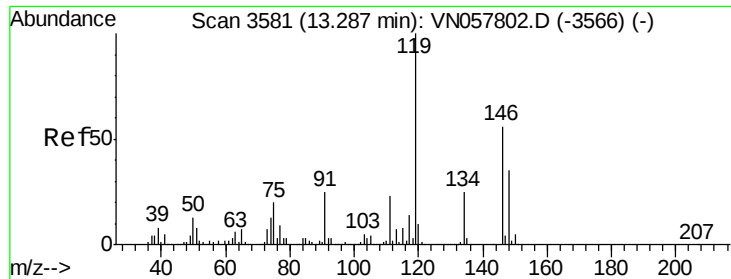
Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 49.491 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

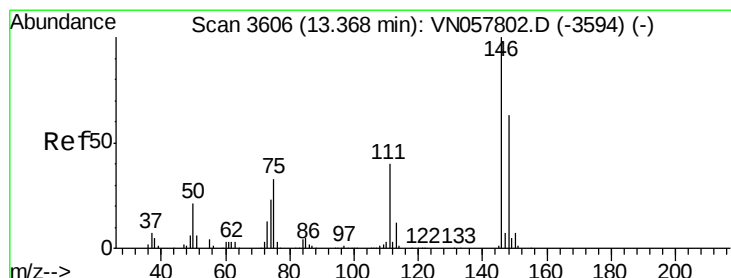
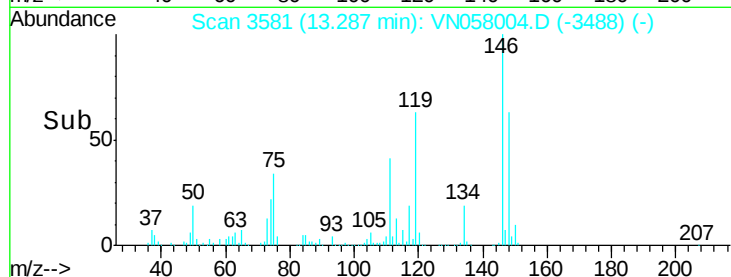
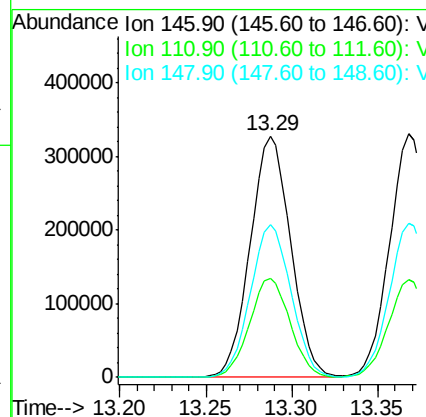
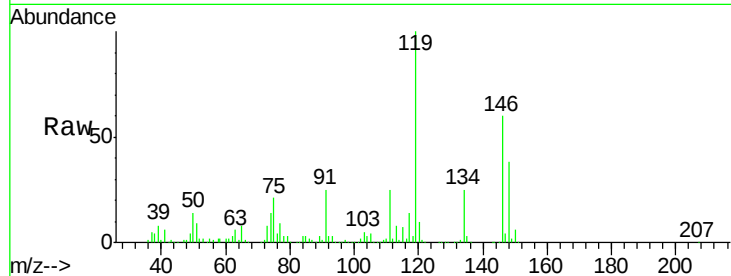
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	535190
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.5	61.6
148	63.4	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 48.965 ug/l

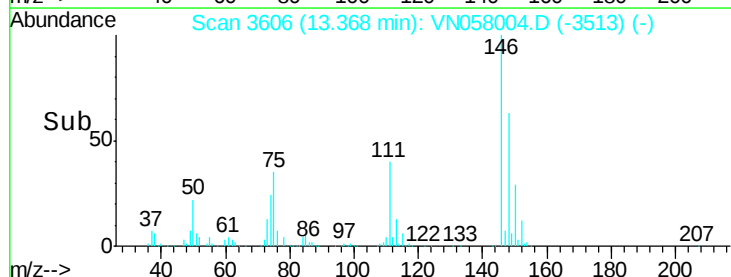
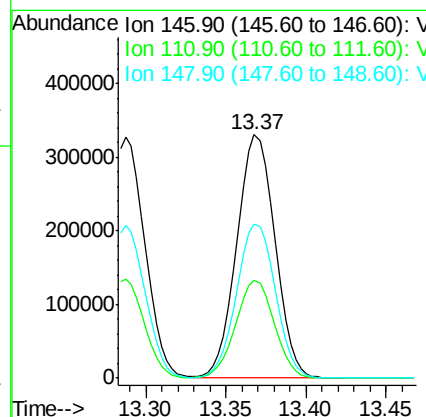
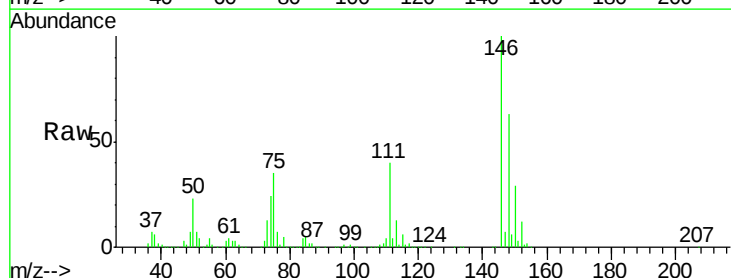
RT: 13.37 min Scan# 3606

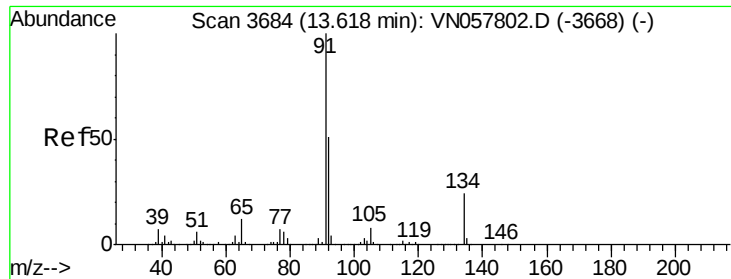
Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion:	146	Resp:	537467
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.4	61.2
148	64.5	31.8	95.4





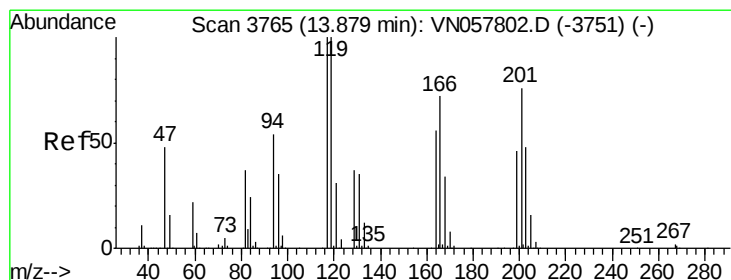
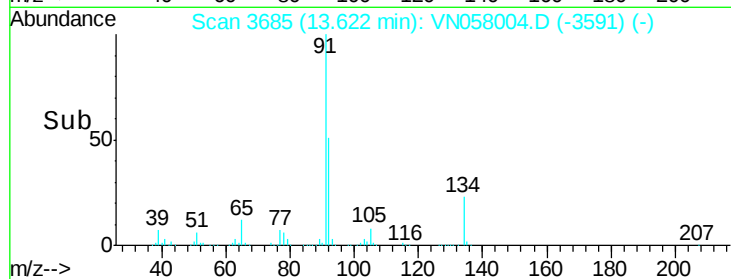
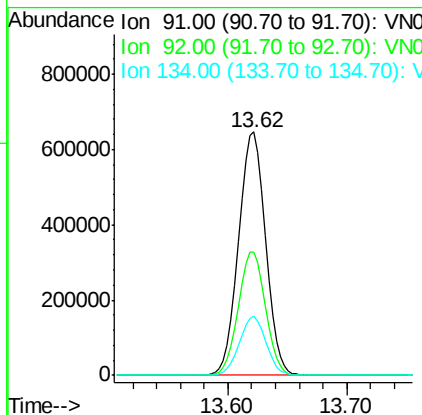
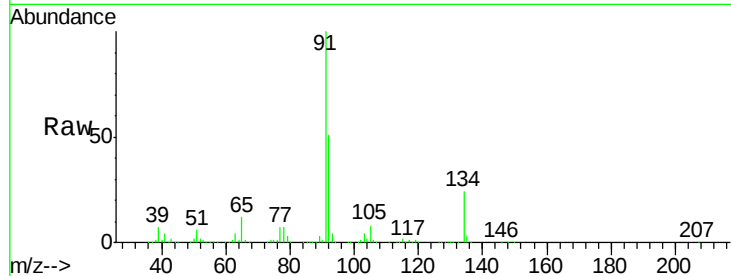
#89
n-Butylbenzene
Concen: 52.096 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1019699
Ion Ratio Lower Upper
91 100
92 51.0 25.7 77.0
134 23.8 11.9 35.7

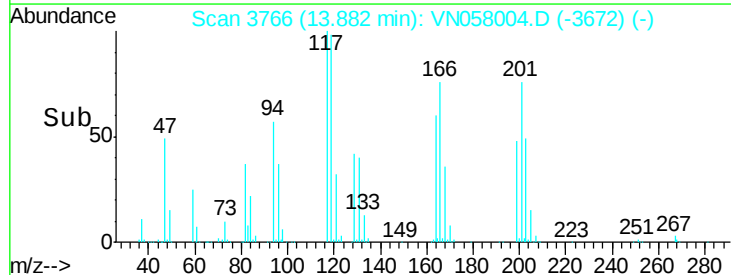
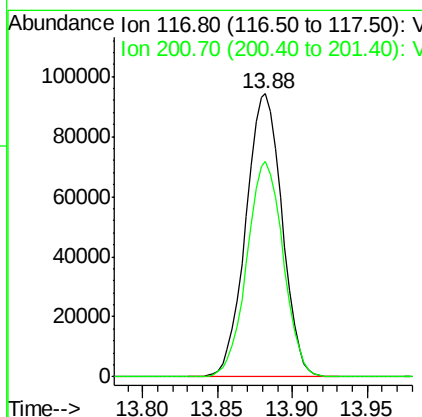
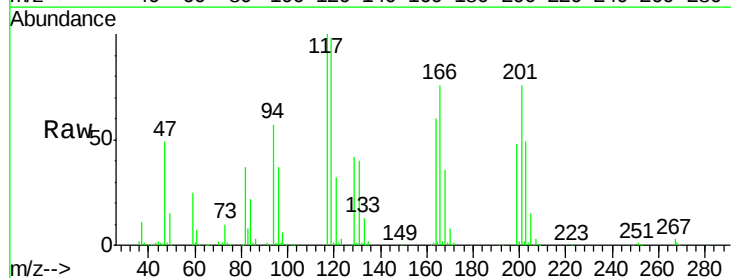
Manual Integrations
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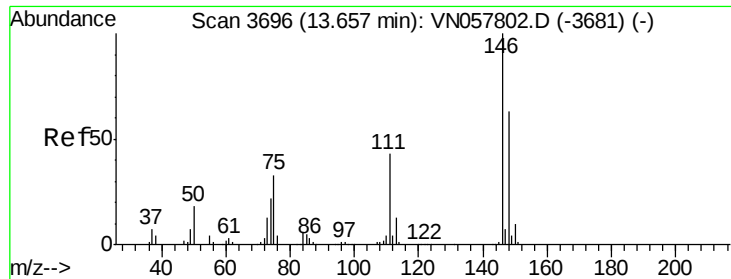
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#90
Hexachloroethane
Concen: 51.516 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058004.D
Acq: 13 Sep 2019 9:34

Tgt Ion: 117 Resp: 158796
Ion Ratio Lower Upper
117 100
201 76.1 37.5 112.7





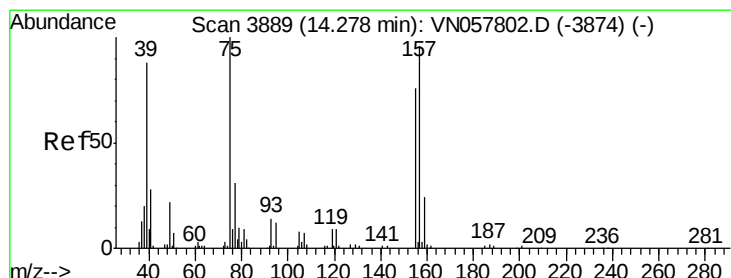
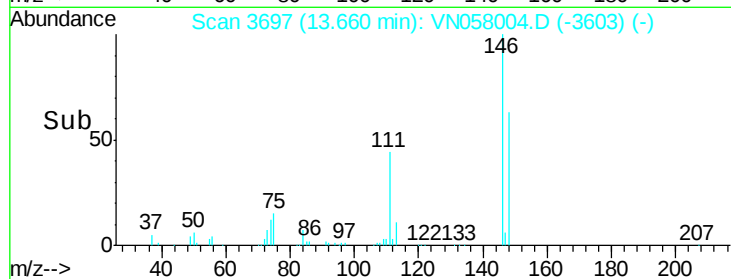
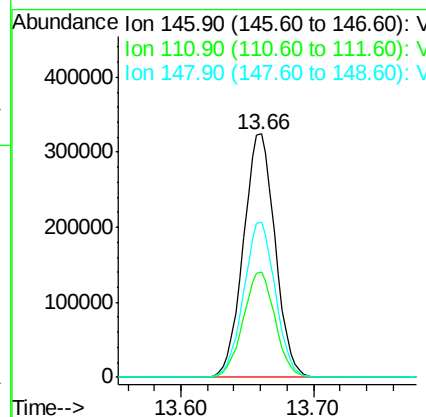
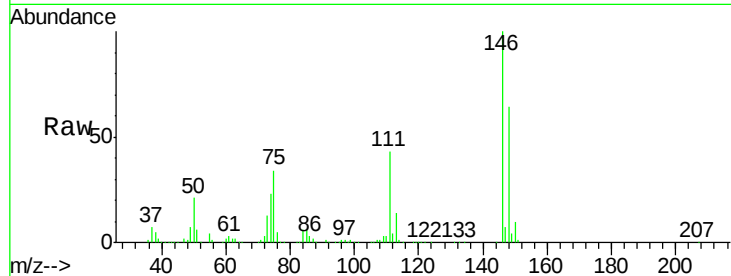
#91
 1,2-Dichlorobenzene
 Concen: 49.872 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.6	31.4	94.3

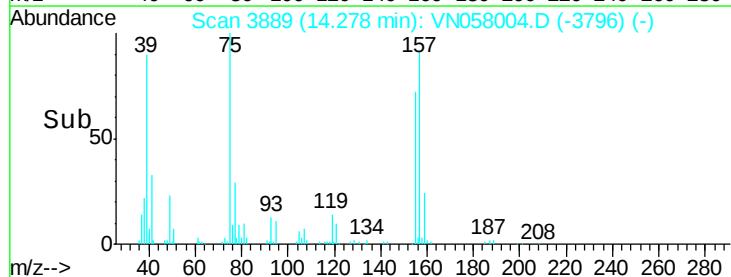
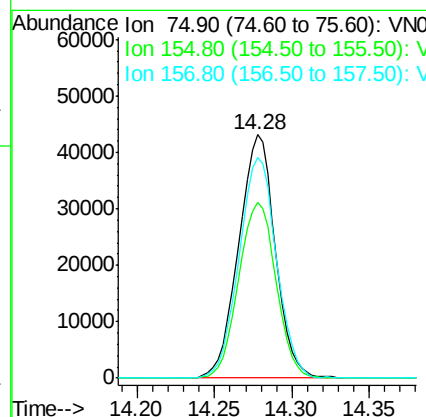
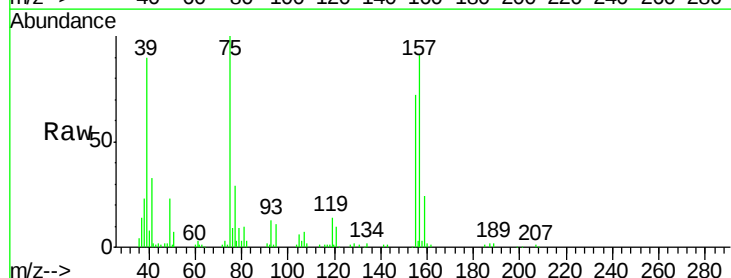
Manual Integrations
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 9/16/2019 1:48:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.895 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	37.3	111.8
157	92.8	47.9	143.8





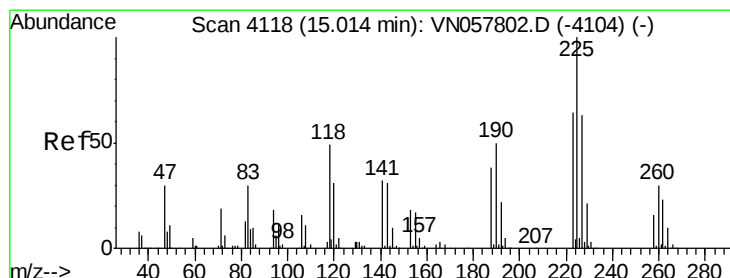
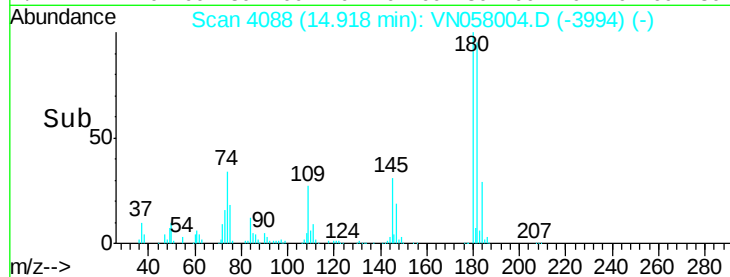
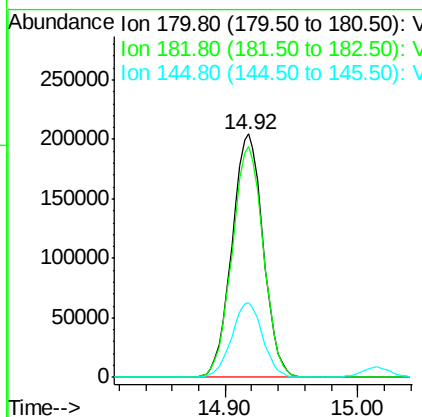
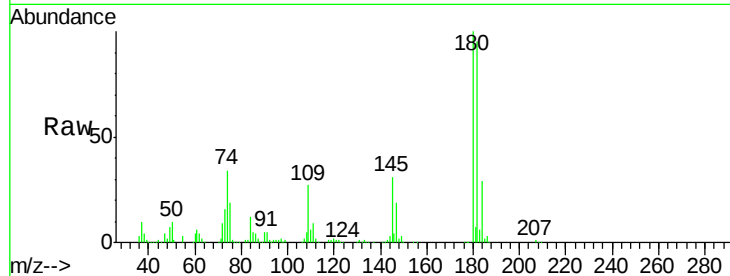
#93
 1,2,4-Trichlorobenzene
 Concen: 47.198 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	333279		
182	95.3	46.9	140.8	
145	30.6	14.9	44.7	

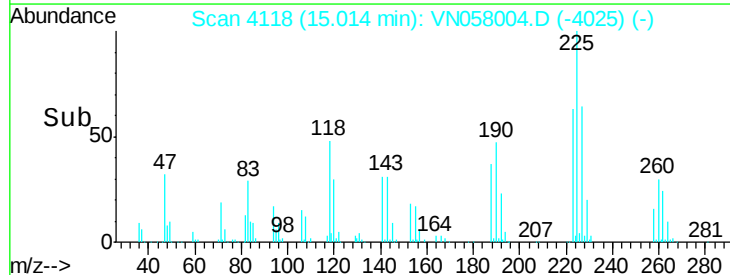
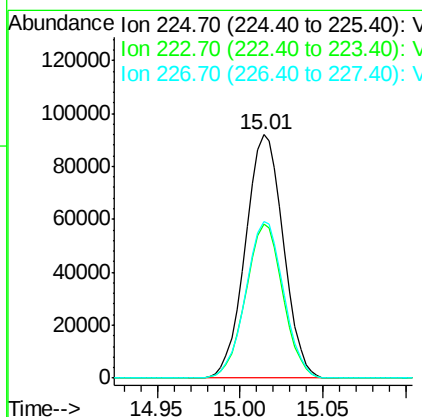
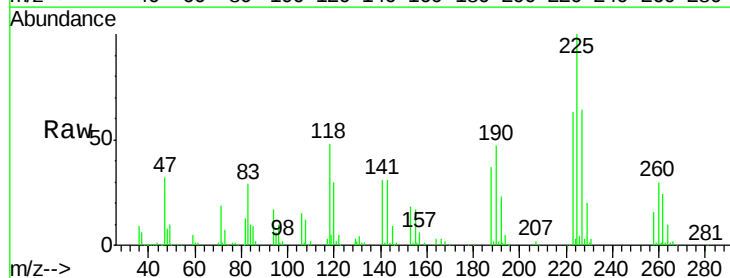
Manual Integrations
 APPROVED

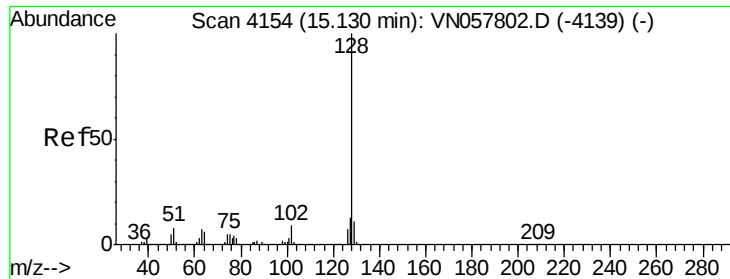
MMDadoda
 9/16/2019 1:48:33 PM



#94
 Hexachlorobutadiene
 Concen: 48.942 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058004.D
 Acq: 13 Sep 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146498		
223	62.2	32.4	97.2	
227	64.3	31.8	95.4	





#95

Naphthalene

Concen: 52.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Instrument :

MSVOA_N

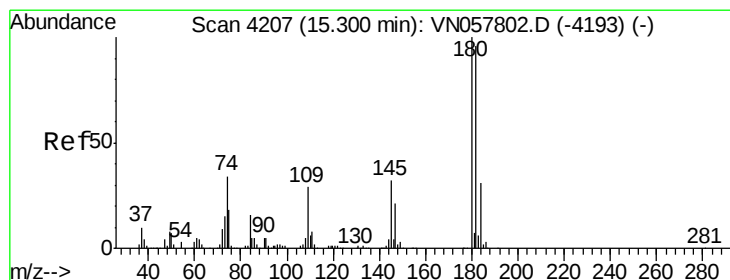
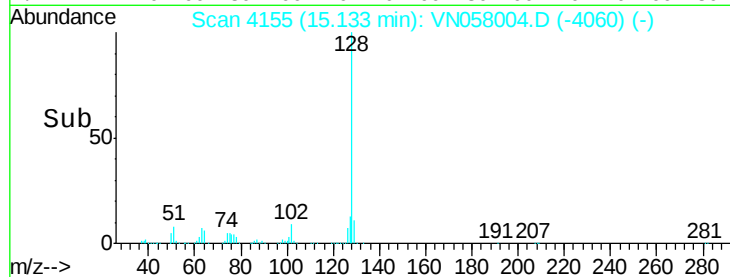
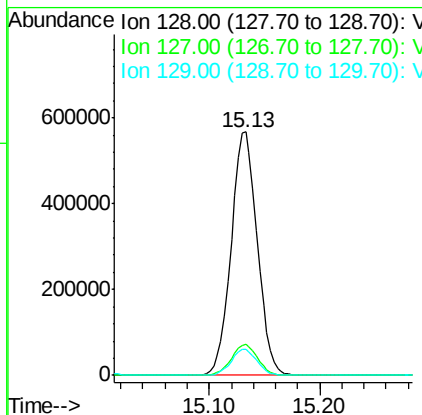
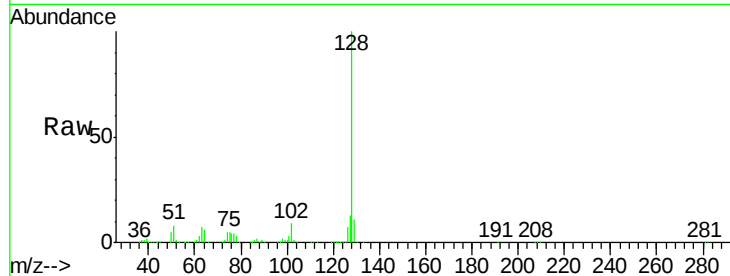
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	930424
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 1:48:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.212 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058004.D

Acq: 13 Sep 2019 9:34

Tgt Ion:	180	Resp:	315855
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.3	144.8
145	31.7	16.3	48.8

