

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057631.D
 Acq On : 31 Aug 2019 22:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:26 AM

Quant Time: Sep 01 01:06:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	189176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	330125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	147005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	216400	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.58	113	139487	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	545365	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	201403	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159698	52.791	ug/l	99
3) Chloromethane	2.05	50	185274	53.126	ug/l	97
4) Vinyl Chloride	2.18	62	149502	54.731	ug/l	99
5) Bromomethane	2.52	94	75145	43.478	ug/l	95
6) Chloroethane	2.68	64	85208	55.846	ug/l	97
7) Trichlorofluoromethane	3.00	101	204865	53.429	ug/l	99
8) Diethyl Ether	3.40	74	67241	52.997	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100508	51.705	ug/l	98
10) Methyl Iodide	3.93	142	138521	55.192	ug/l	100
11) Tert butyl alcohol	4.81	59	121382	270.810	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	94940	53.879	ug/l	96
13) Acrolein	3.59	56	45475	255.170	ug/l	100
14) Allyl chloride	4.30	41	276917	50.374	ug/l	98
15) Acrylonitrile	4.98	53	367388	273.160	ug/l	100
16) Acetone	3.81	43	275435	229.979	ug/l	98
17) Carbon Disulfide	4.02	76	298913	52.471	ug/l	99
18) Methyl Acetate	4.31	43	214004	52.040	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	482110	52.883	ug/l	96
20) Methylene Chloride	4.53	84	158761	53.545	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	142755	54.493	ug/l	98
22) Diisopropyl ether	5.94	45	609941	53.975	ug/l	98
23) Vinyl Acetate	5.88	43	2436733	280.571	ug/l	99
24) 1,1-Dichloroethane	5.82	63	304252	53.635	ug/l	99
25) 2-Butanone	6.83	43	522639	261.888	ug/l	97
26) 2,2-Dichloropropane	6.81	77	192613	42.480	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	166826	53.328	ug/l	96
28) Bromochloromethane	7.18	49	155364	51.431	ug/l	100
29) Tetrahydrofuran	7.20	42	342548	273.594	ug/l	99
30) Chloroform	7.36	83	306758	53.305	ug/l	95
31) Cyclohexane	7.64	56	291150	51.426	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	256045	54.240	ug/l	99
36) 1,1-Dichloropropene	7.78	75	220575	50.397	ug/l	100
37) Ethyl Acetate	6.92	43	226574	54.345	ug/l	98
38) Carbon Tetrachloride	7.76	117	205516	52.457	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261273	50.526	ug/l	98
40) Benzene	8.03	78	649229	50.958	ug/l	98
41) Methacrylonitrile	7.16	41	121528	51.910	ug/l	95
42) 1,2-Dichloroethane	8.11	62	272322	52.625	ug/l	99
43) Isopropyl Acetate	8.16	43	400675	53.417	ug/l	99
44) Trichloroethene	8.82	130	147394	50.998	ug/l	97
45) 1,2-Dichloropropane	9.11	63	181599	51.172	ug/l	99
46) Dibromomethane	9.20	93	112826	51.348	ug/l	99
47) Bromodichloromethane	9.40	83	234193	52.461	ug/l	98
48) Methyl methacrylate	9.19	41	200716	52.412	ug/l	99
49) 1,4-Dioxane	9.20	88	46920	1046.290	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1168311	271.758	ug/l	99
52) Toluene	10.15	92	392314	52.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232210	46.782	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	255990	46.849	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	150810	52.787	ug/l	97
56) Ethyl methacrylate	10.43	69	249493	52.330	ug/l	100
57) 1,3-Dichloropropane	10.70	76	270296	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	337994	242.315	ug/l	99
59) 2-Hexanone	10.75	43	819232	259.492	ug/l	98
60) Dibromochloromethane	10.90	129	146843	47.106	ug/l	99
61) 1,2-Dibromoethane	11.00	107	152073	52.863	ug/l	99
64) Tetrachloroethene	10.63	164	137342	52.963	ug/l	99
65) Chlorobenzene	11.43	112	389368	51.885	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	138045	52.744	ug/l	98
67) Ethyl Benzene	11.51	91	782067	53.636	ug/l	100
68) m/p-Xylenes	11.62	106	538912	104.911	ug/l	98
69) o-Xylene	11.95	106	259965	52.220	ug/l	99
70) Styrene	11.96	104	443347	49.509	ug/l	100
71) Bromoform	12.13	173	85928	44.899	ug/l #	99
73) Isopropylbenzene	12.25	105	741331	49.948	ug/l	98
74) N-amyl acetate	12.07	43	343282	49.009	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206180	47.133	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	183387m	47.425	ug/l	
77) Bromobenzene	12.53	156	157008	49.702	ug/l	98
78) n-propylbenzene	12.59	91	845709	51.194	ug/l	99
79) 2-Chlorotoluene	12.68	91	503568	48.886	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	615255	50.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50384	44.663	ug/l	96
82) 4-Chlorotoluene	12.77	91	501264	49.161	ug/l	100
83) tert-Butylbenzene	12.99	119	507810	49.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596845	50.524	ug/l	99
85) sec-Butylbenzene	13.17	105	688921	49.436	ug/l	100
86) p-Isopropyltoluene	13.29	119	583468	50.627	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	251723	48.913	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	242116	48.704	ug/l	99
89) n-Butylbenzene	13.62	91	510042	47.225	ug/l	99
90) Hexachloroethane	13.88	117	93943	46.952	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	247099	50.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33650	49.958	ug/l	95

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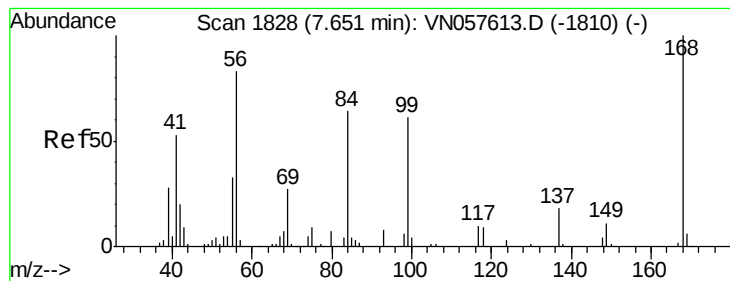
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85234	41.649	ug/l	97
94) Hexachlorobutadiene	15.01	225	75198	44.621	ug/l	97
95) Naphthalene	15.13	128	264383	43.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	81377	39.999	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189176

Ion Ratio Lower Upper

168 100

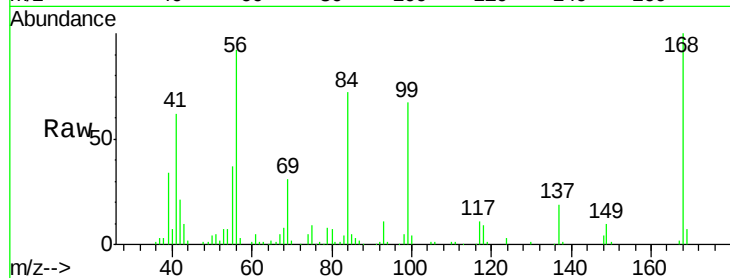
99 66.7 54.2 81.2

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

80000

60000

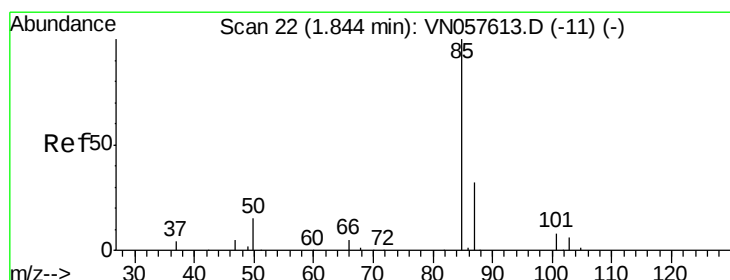
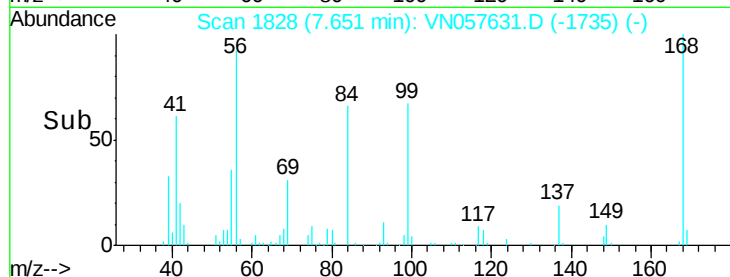
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.791 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057613.D

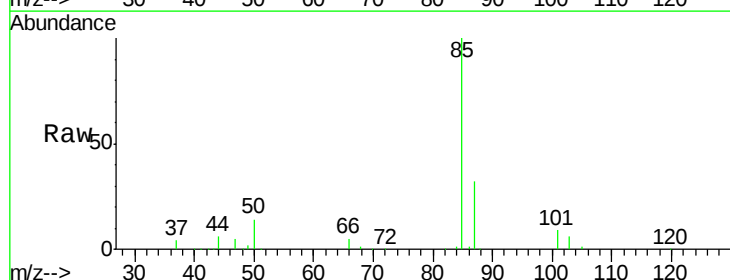
Acq: 31 Aug 2019 22:30

Tgt Ion: 85 Resp: 159698

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

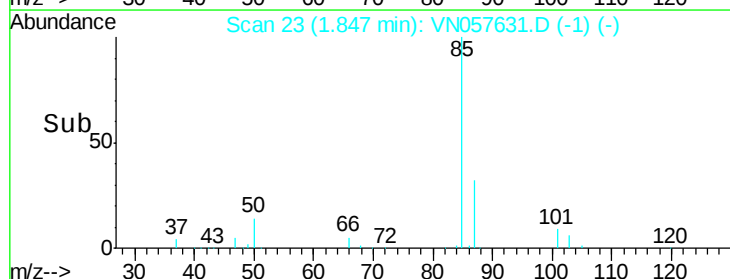
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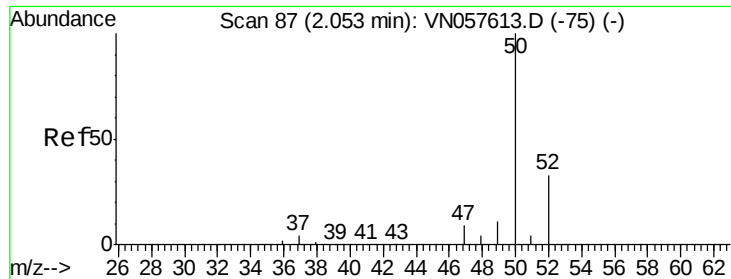
50000

0

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.126 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 185274

Ion Ratio Lower Upper

50 100

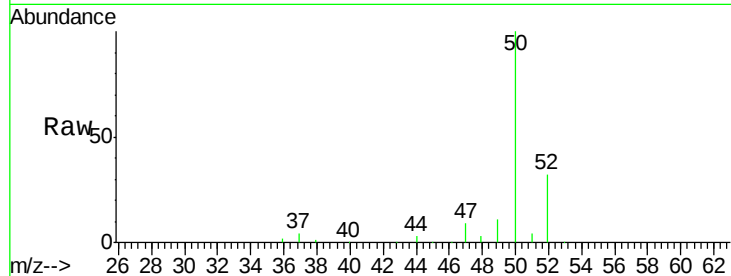
52 31.6 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

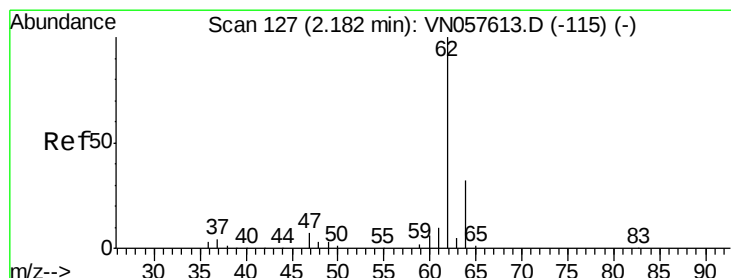
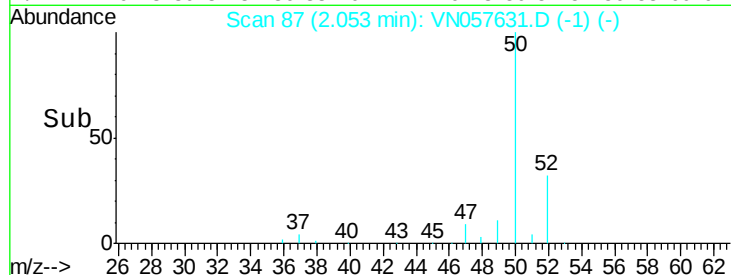
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.731 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057631.D

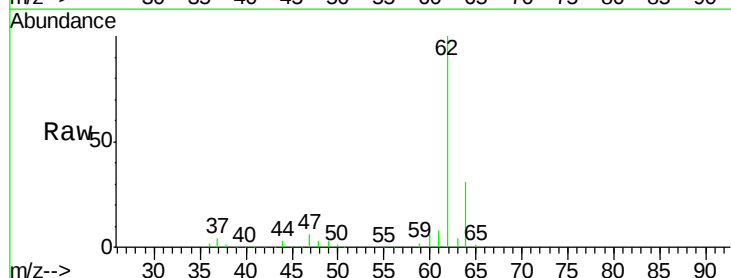
Acq: 31 Aug 2019 22:30

Tgt Ion: 62 Resp: 149502

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

120000

100000

80000

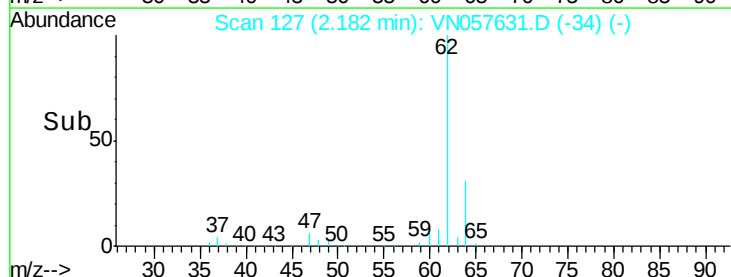
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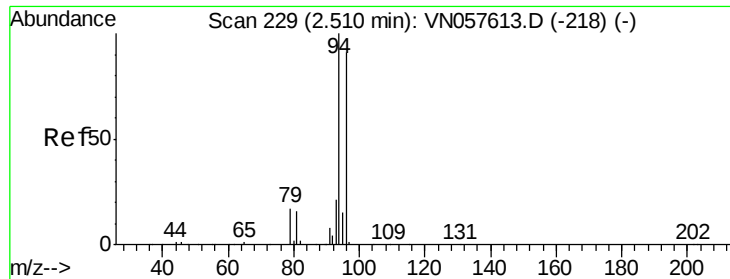
40000

20000

0

Time-->





#5

Bromomethane

Concen: 43.478 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.01 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75145

Ion Ratio Lower Upper

94 100

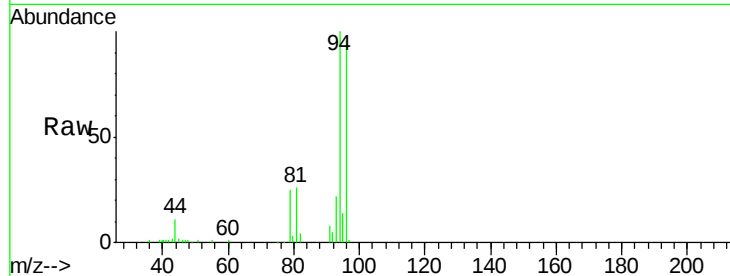
96 95.8 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.52

40000

30000

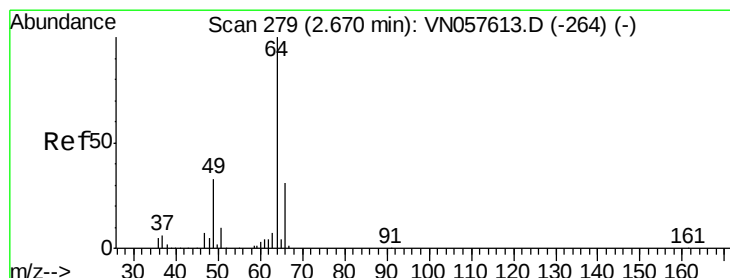
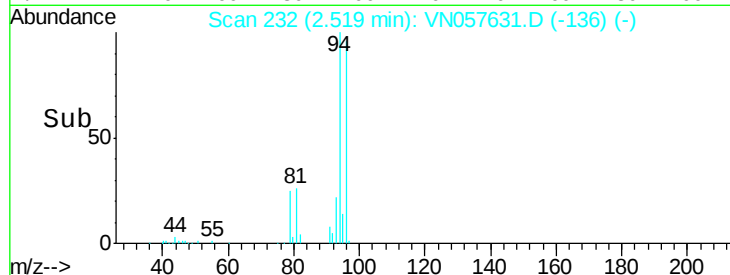
20000

10000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 55.846 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.01 min

Lab File: VN057631.D

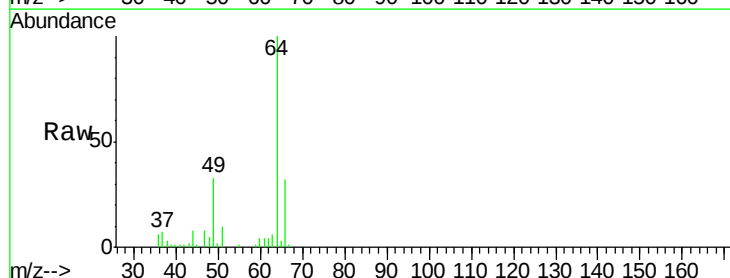
Acq: 31 Aug 2019 22:30

Tgt Ion: 64 Resp: 85208

Ion Ratio Lower Upper

64 100

66 32.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

40000

30000

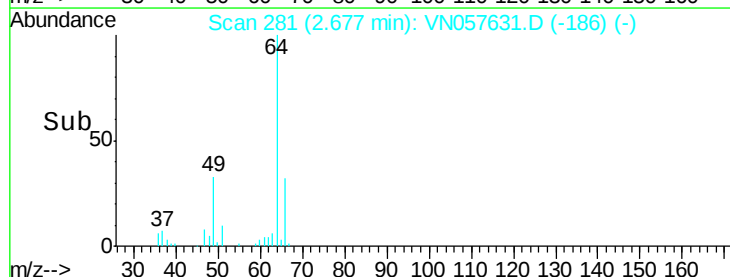
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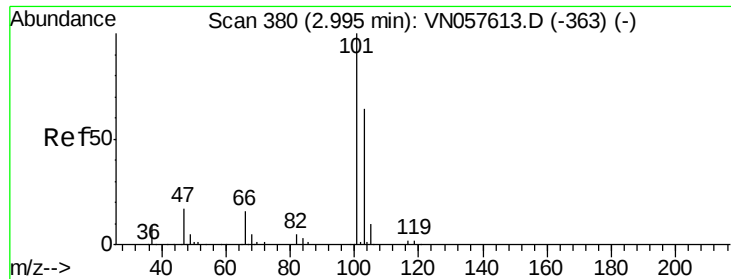
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Time-->

2.60 2.70 2.80





#7

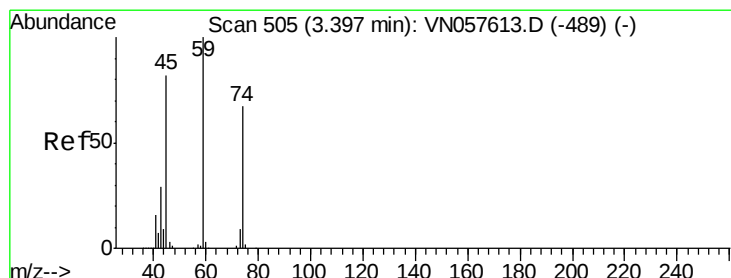
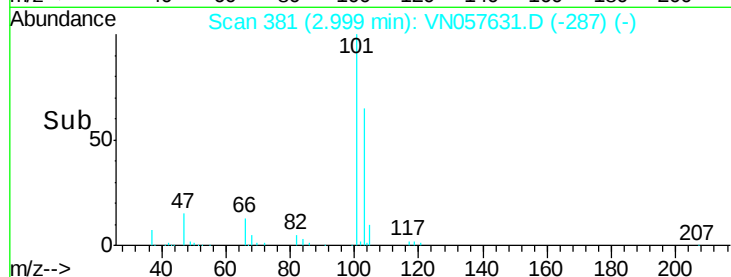
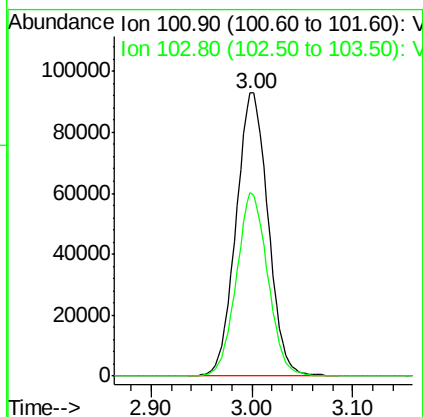
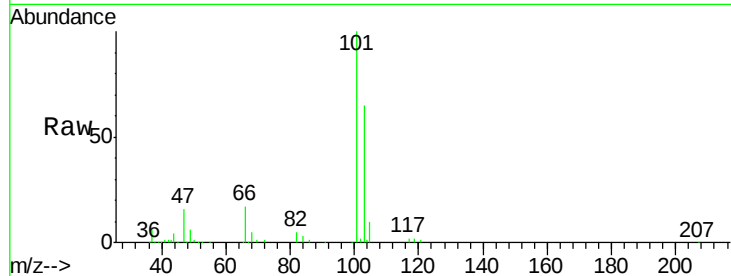
Trichlorofluoromethane
 Concen: 53.429 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	204865		
103	64.7	51.3	76.9	

Manual Integrations
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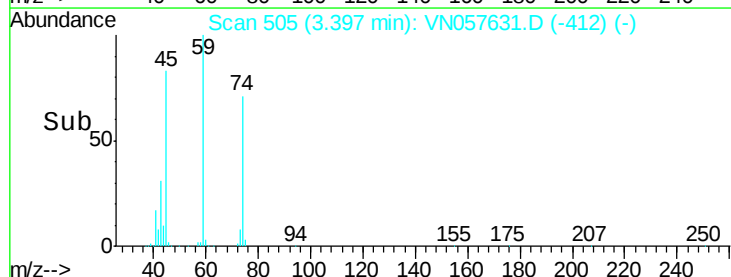
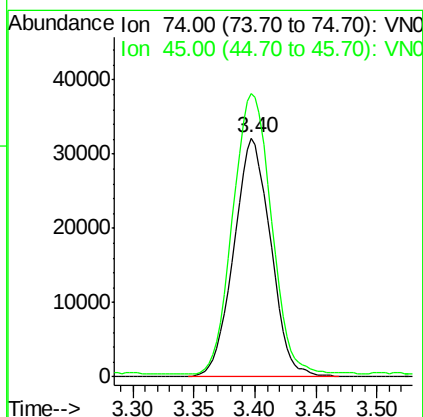
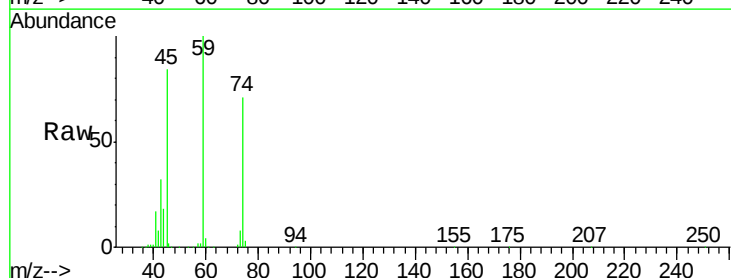
MMDadoda
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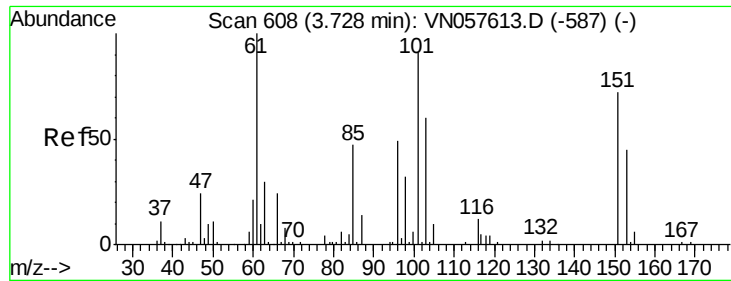


#8

Diethyl Ether
 Concen: 52.997 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67241		
45	123.1	61.9	185.7	





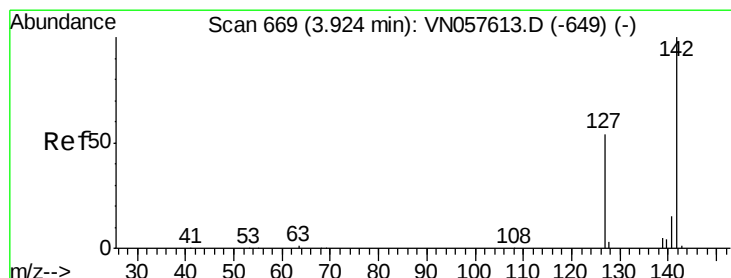
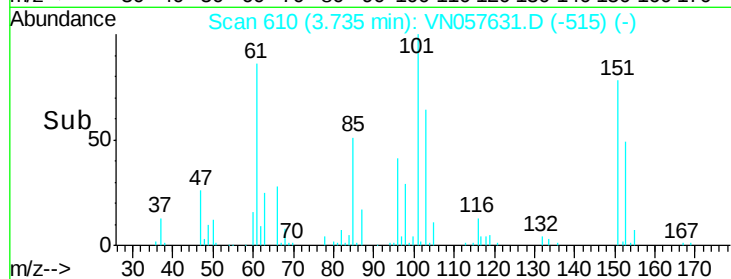
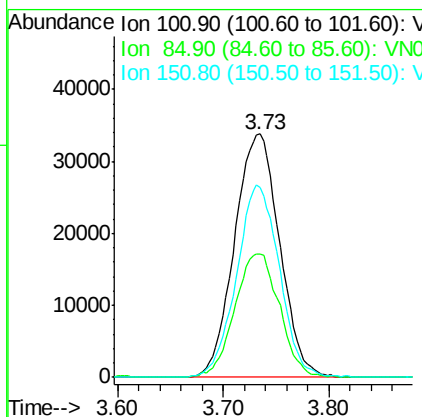
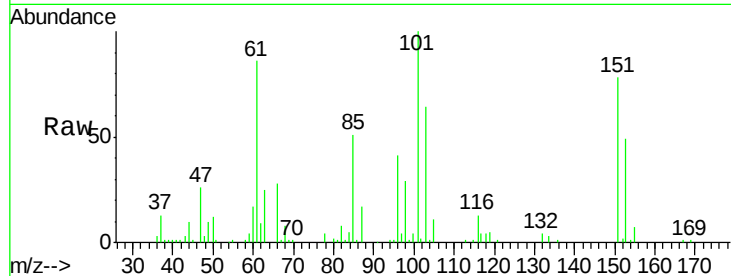
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.705 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.01 min
Lab File: VN057631.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	100508		
85	50.3	42.1	63.1	
151	75.0	60.2	90.4	

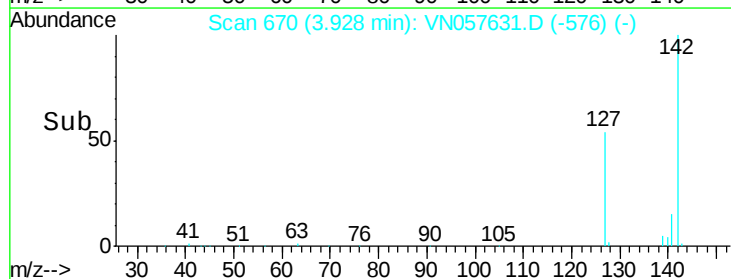
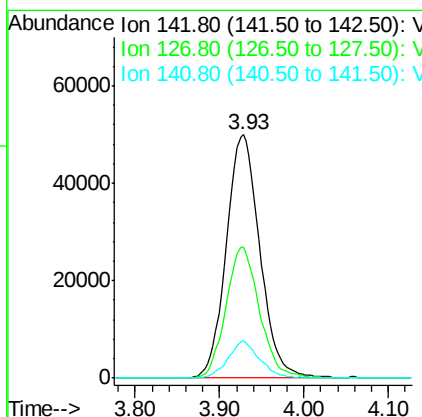
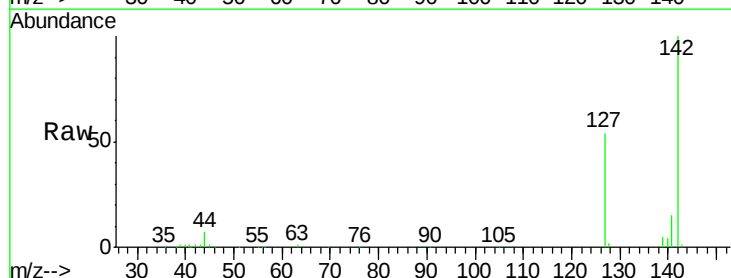
Manual Integrations
APPROVED

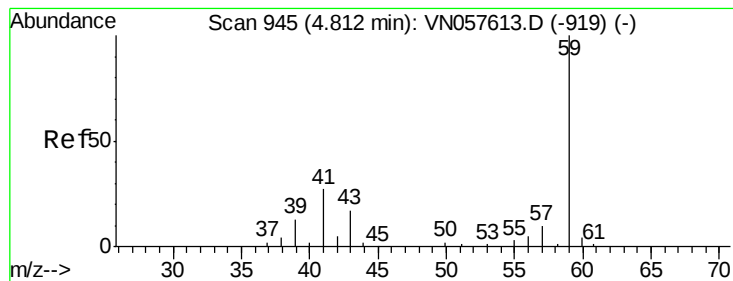
MMDadoda
9/3/2019 11:52:26 AM



#10
Methyl Iodide
Concen: 55.192 ug/l
RT: 3.93 min Scan# 670
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	138521		
127	53.6	43.0	64.6	
141	14.3	11.4	17.2	





#11

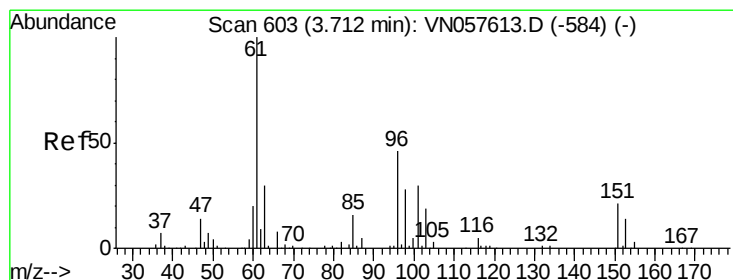
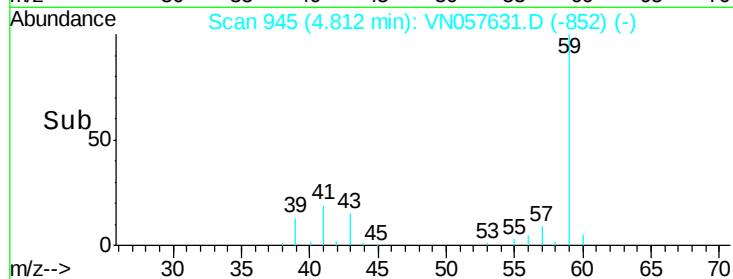
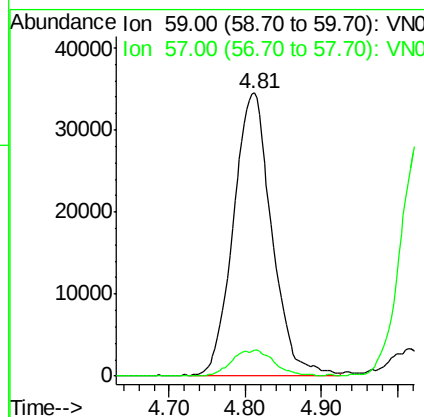
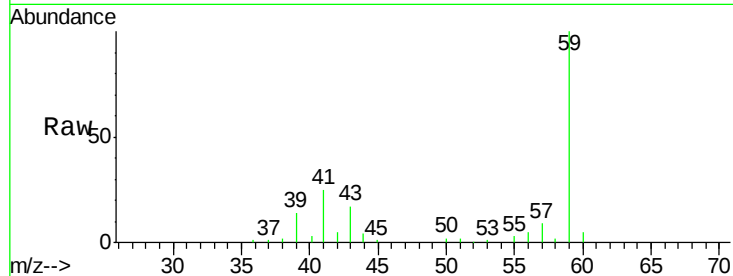
Tert butyl alcohol
Concen: 270.810 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 121382
Ion Ratio Lower Upper
59 100
57 10.0 5.0 7.6#

Manual Integrations
APPROVED

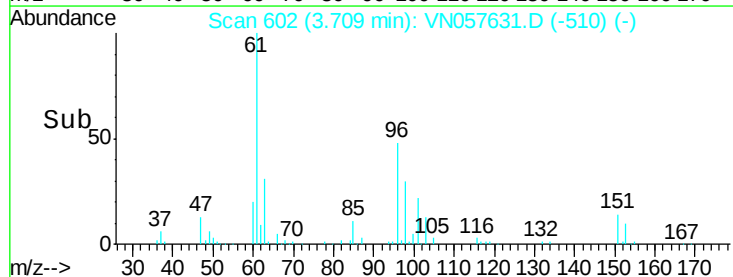
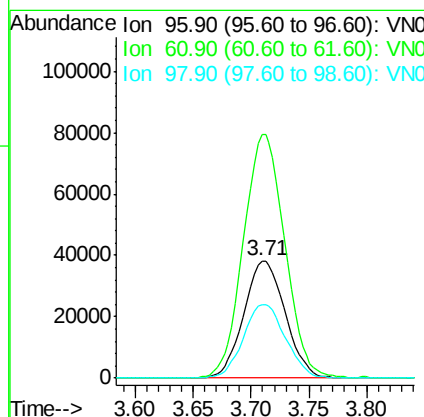
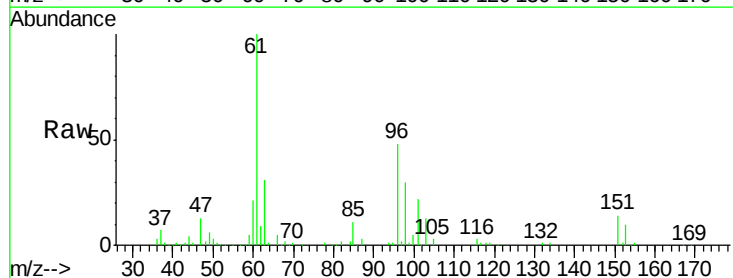
MMDadoda
9/3/2019 11:52:26 AM

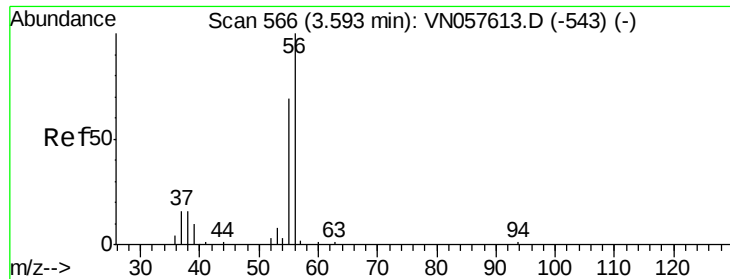


#12

1,1-Dichloroethene
Concen: 53.879 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 96 Resp: 94940
Ion Ratio Lower Upper
96 100
61 208.0 172.1 258.1
98 63.0 48.3 72.5





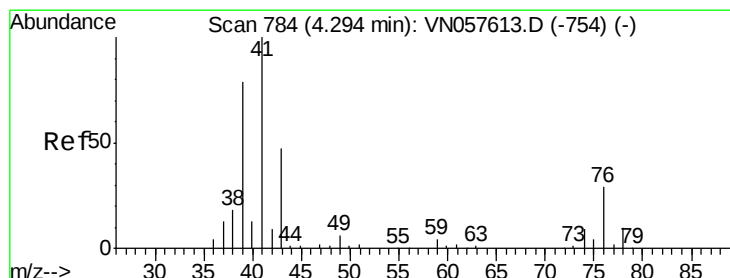
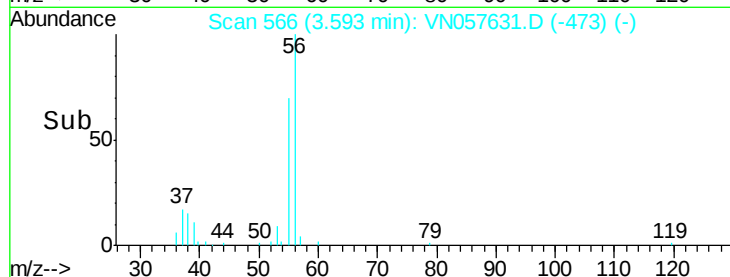
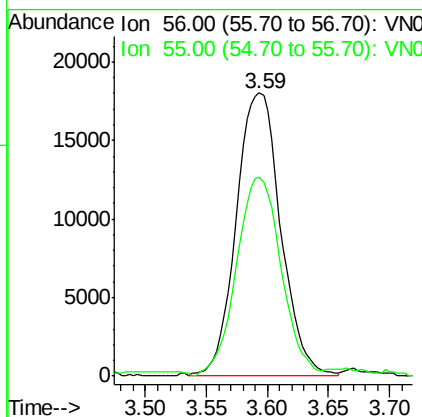
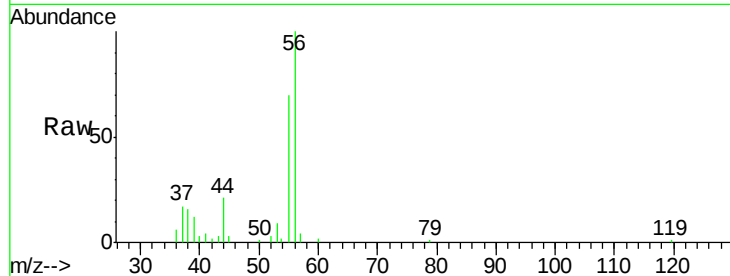
#13
Acrolein
Concen: 255.170 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.6	56.5	84.7

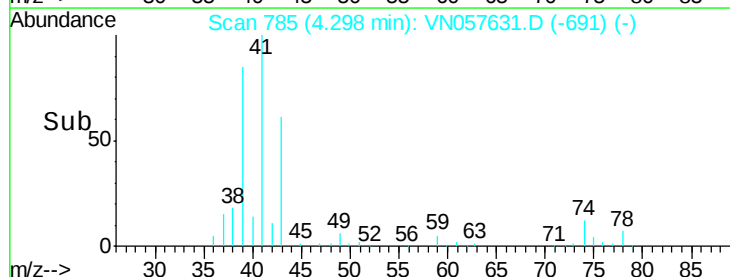
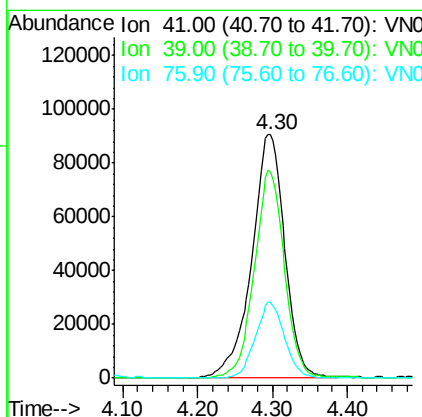
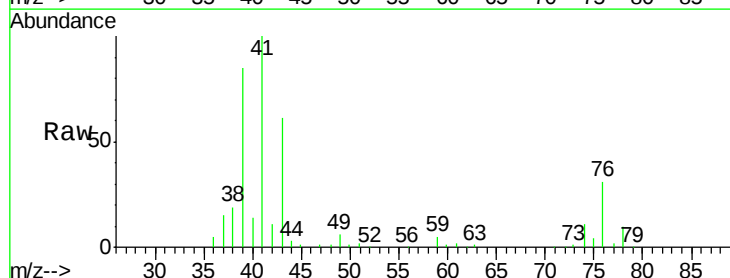
Manual Integrations
APPROVED

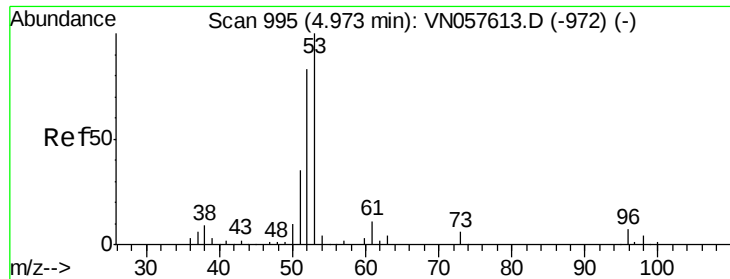
MMDadoda
9/3/2019 11:52:26 AM



#14
Allyl chloride
Concen: 50.374 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	78.2	60.9	91.3
76	76	27.7	21.1	31.7





#15

Acrylonitrile

Concen: 273.160 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

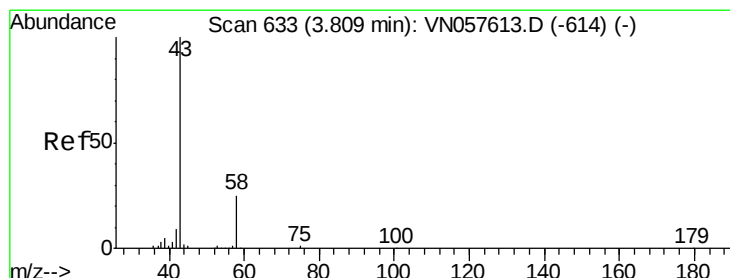
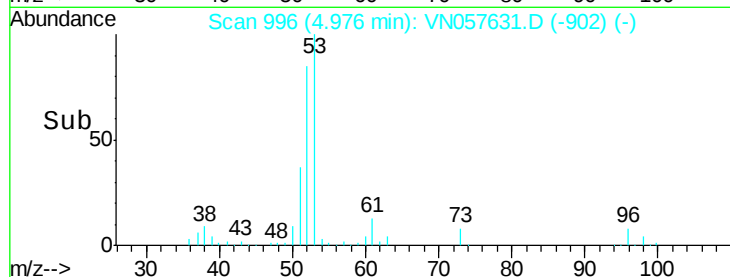
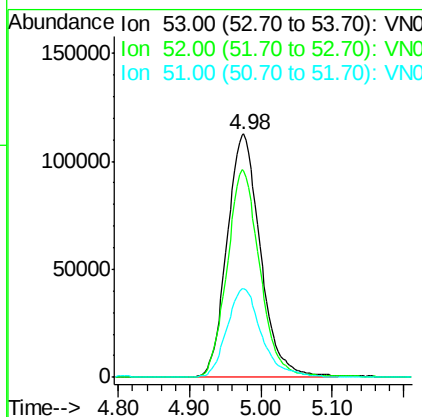
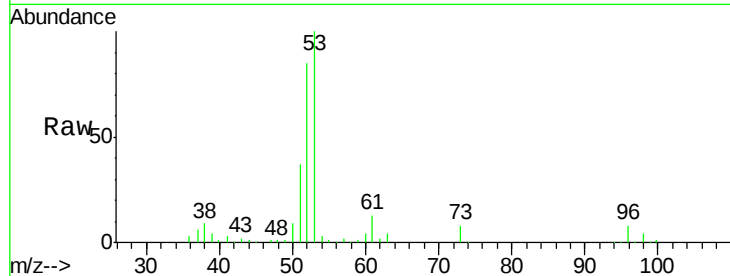
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	367388
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.1	100.7
51	38.1	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 229.979 ug/l

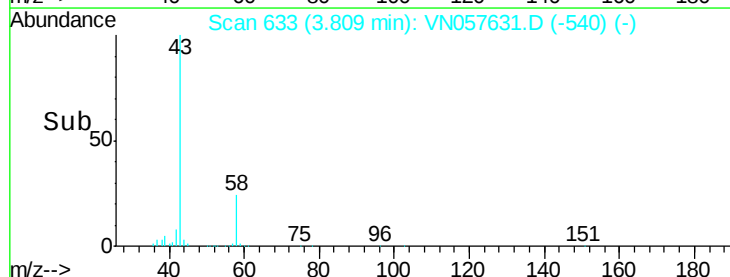
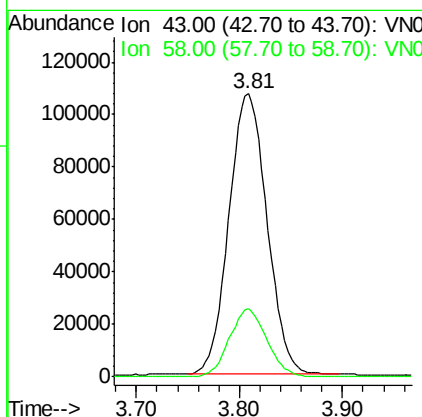
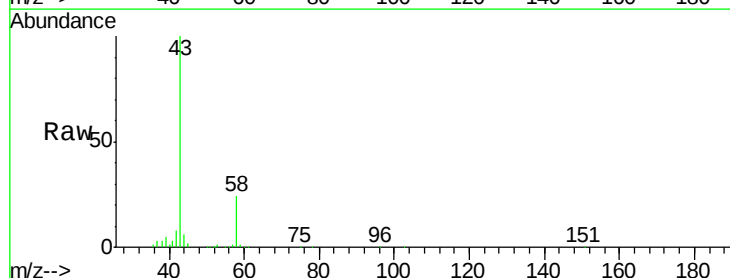
RT: 3.81 min Scan# 633

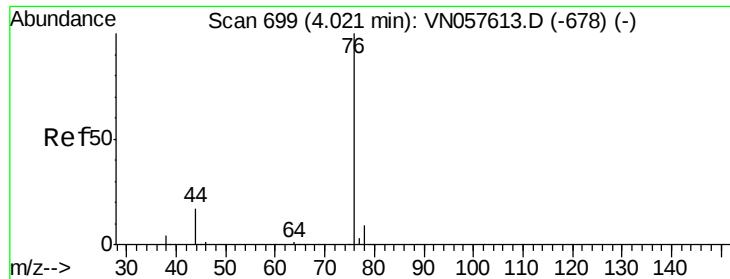
Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	43	Resp:	275435
Ion	Ratio	Lower	Upper
43	100		
58	24.2	20.0	30.0





#17

Carbon Disulfide

Concen: 52.471 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tot Ion: 76 Resp: 298913

Ion Ratio Lower Upper

76 100

78 8.4 6.9 10.3

Instrument :

MSVOA_N

ClientSampleId :

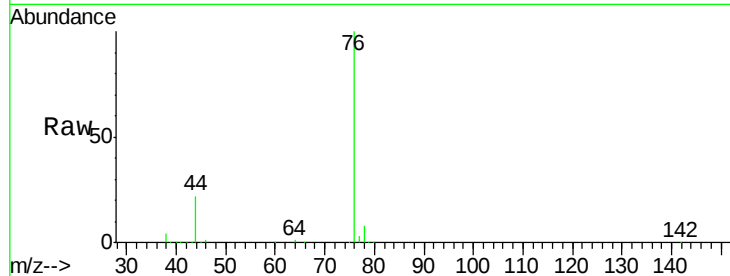
VSTDCCC050EC

Manual Integrations

APPROVED

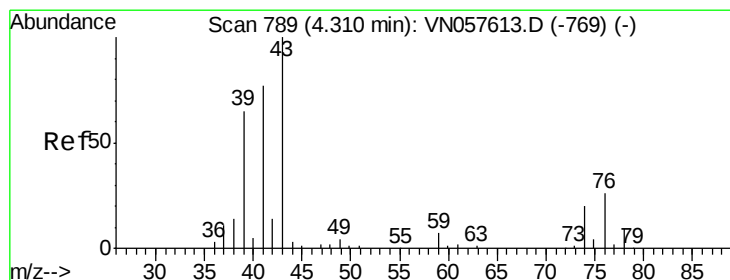
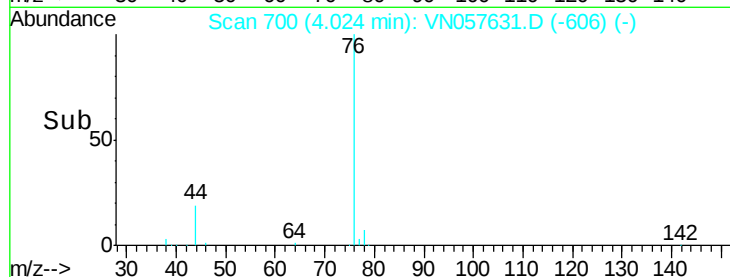
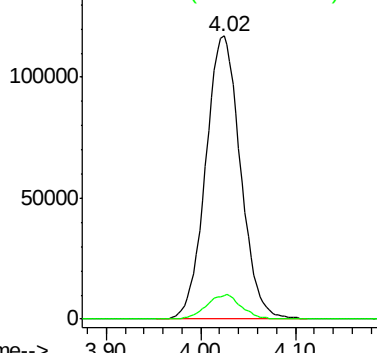
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 52.040 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057631.D

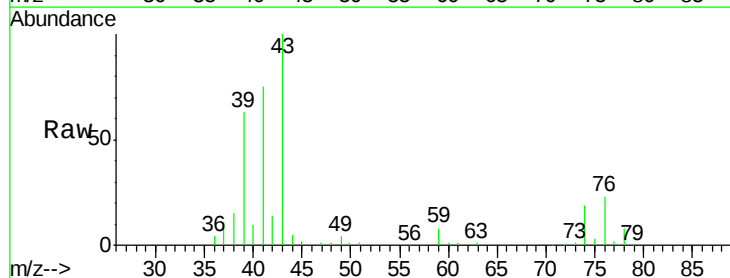
Acq: 31 Aug 2019 22:30

Tgt Ion: 43 Resp: 214004

Ion Ratio Lower Upper

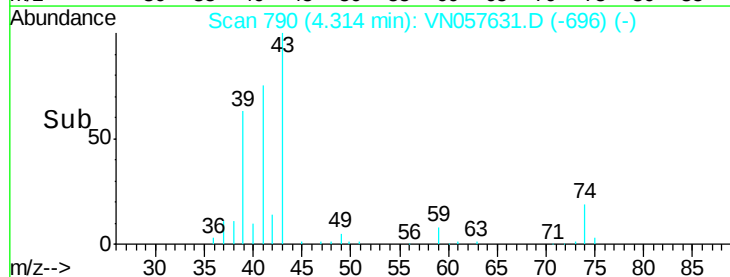
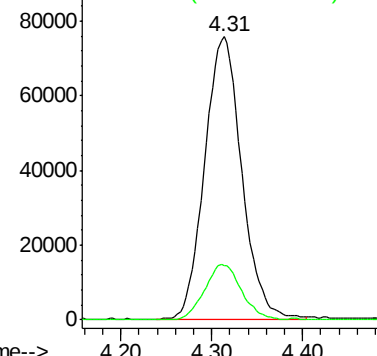
43 100

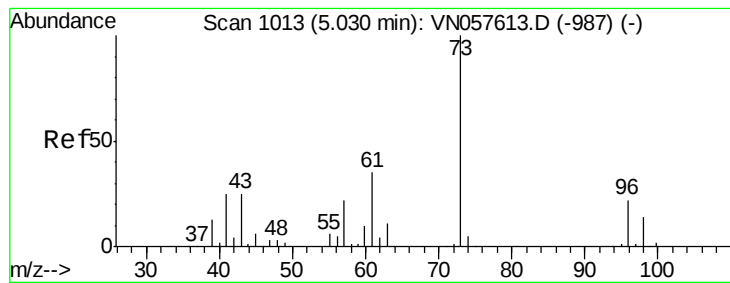
74 19.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

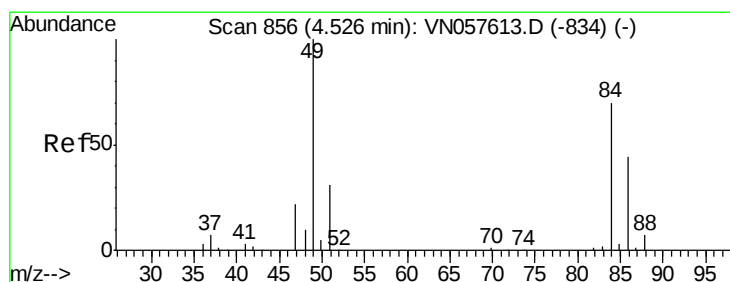
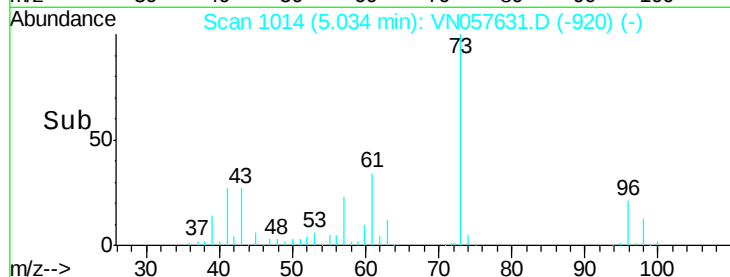
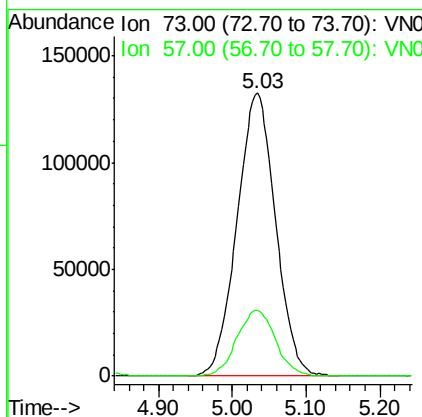
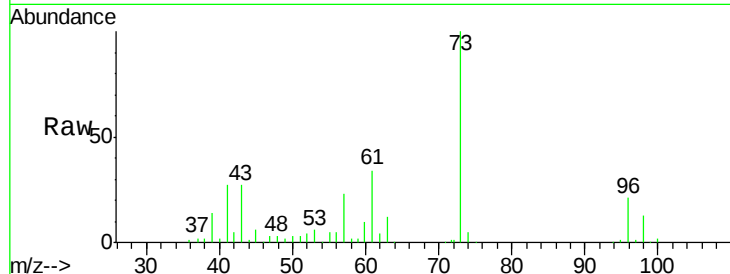
Methyl tert-butyl Ether
 Concen: 52.883 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.3	25.9

Manual Integrations
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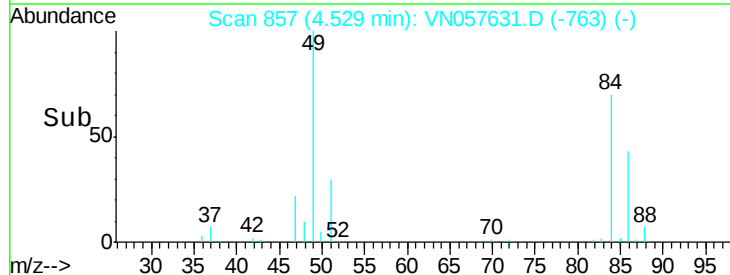
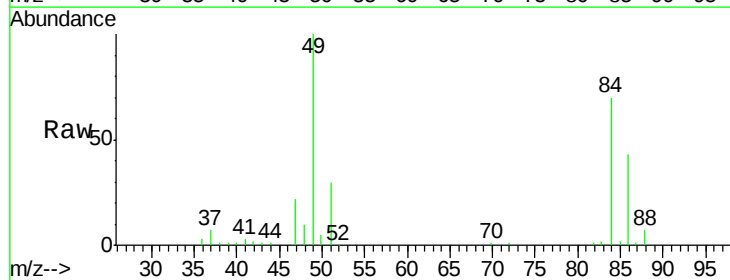
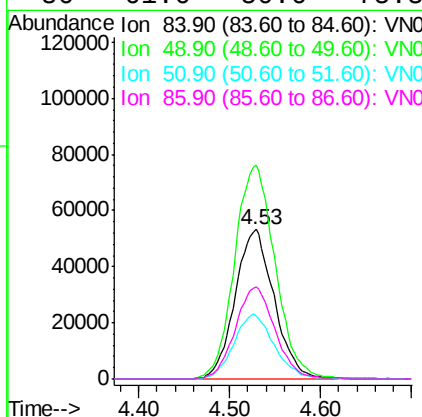
MMDadoda
 9/3/2019 11:52:26 AM

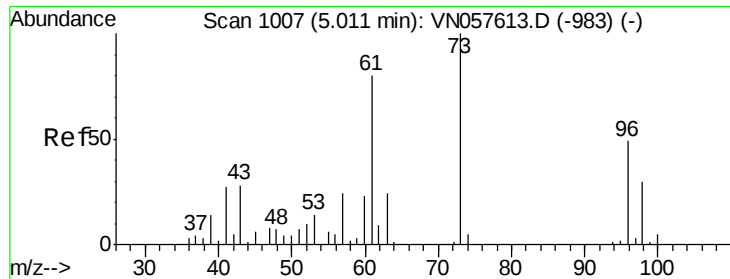


#20

Methylene Chloride
 Concen: 53.545 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.6	113.8	170.6
51	42.4	35.0	52.6
86	61.6	50.6	75.8





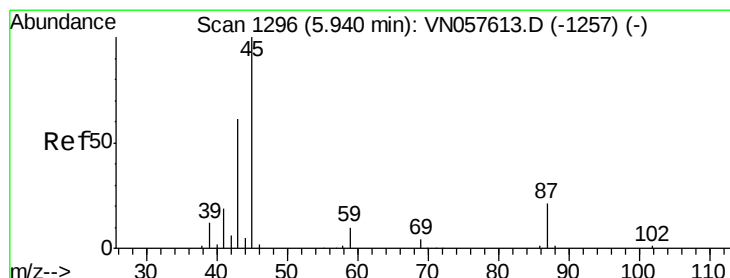
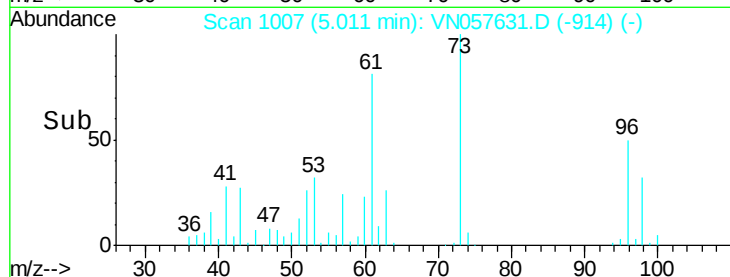
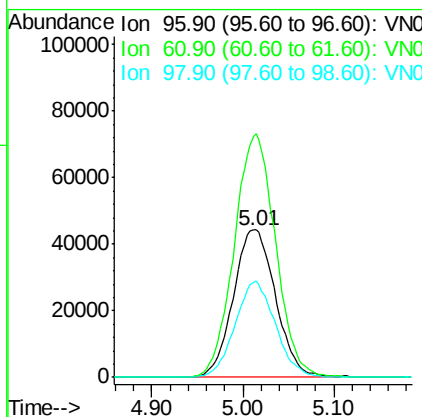
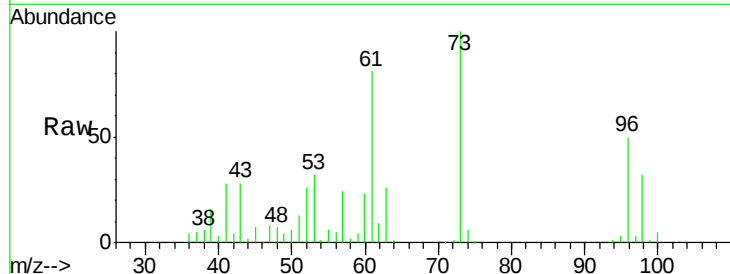
#21
trans-1,2-Dichloroethene
Concen: 54.493 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	131.6	197.4
98	64.8	49.9	74.9

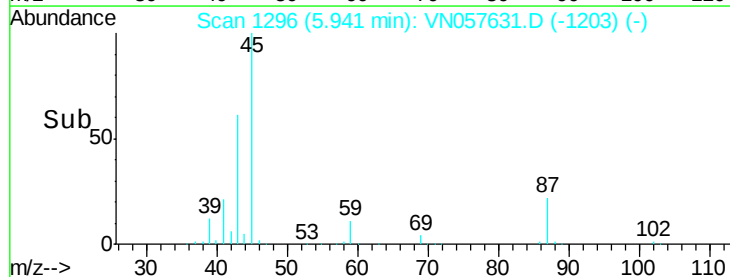
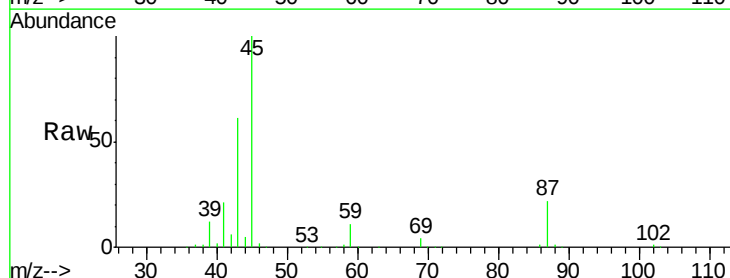
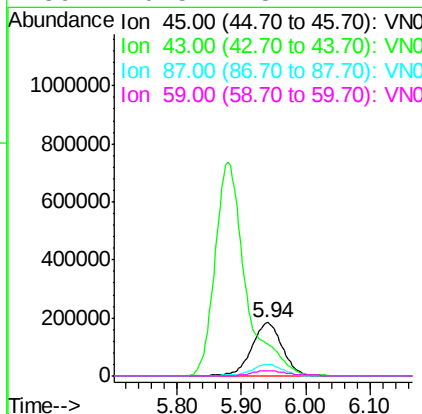
Manual Integrations
APPROVED

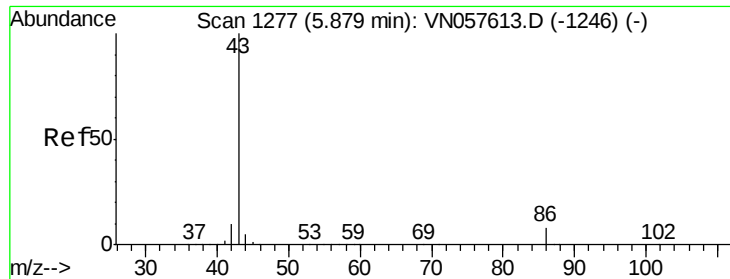
MMDadoda
9/3/2019 11:52:26 AM



#22
Diisopropyl ether
Concen: 53.975 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	49.1	73.7
87	22.3	17.0	25.6
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 280.571 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2436733

Ion Ratio Lower Upper

43 100

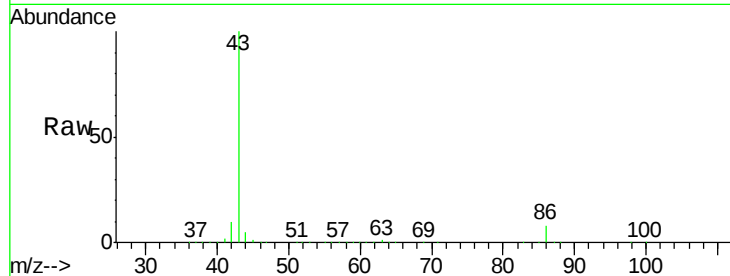
86 7.9 6.1 9.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

800000

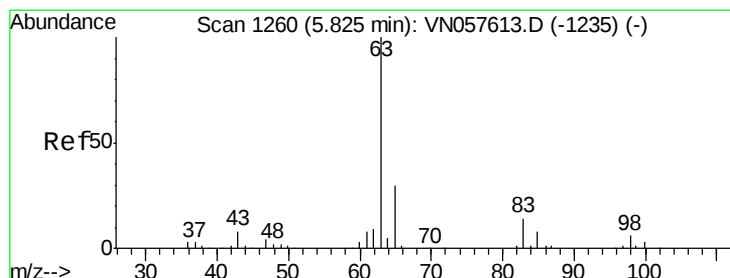
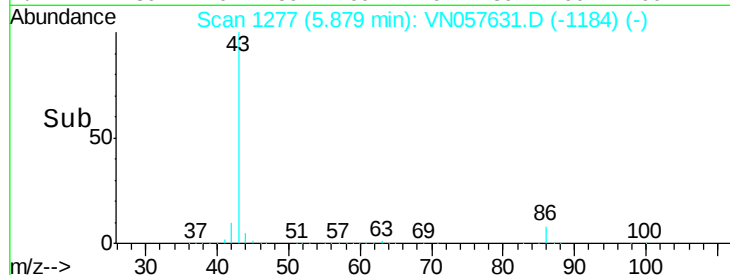
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.635 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

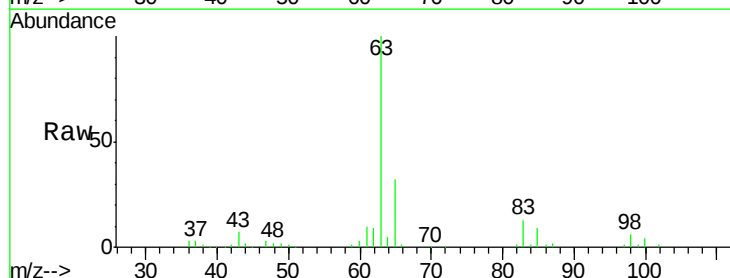
Tgt Ion: 63 Resp: 304252

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.6 1.5 4.5



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

120000

100000

80000

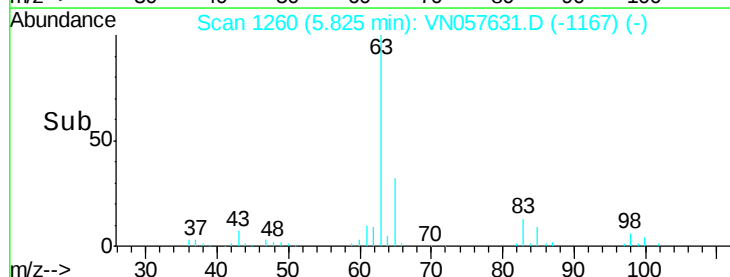
60000

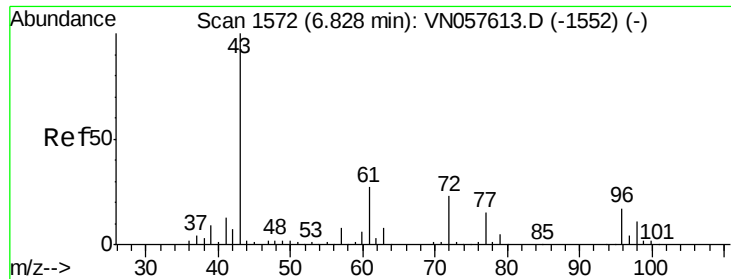
40000

20000

0

Time-->





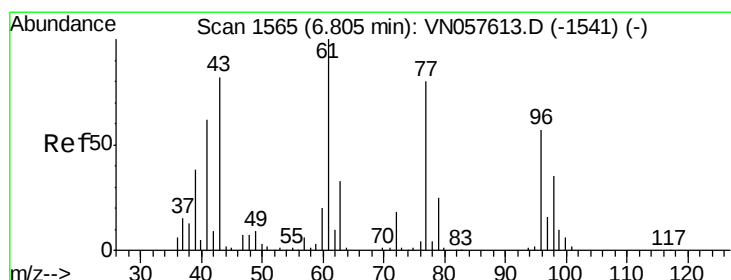
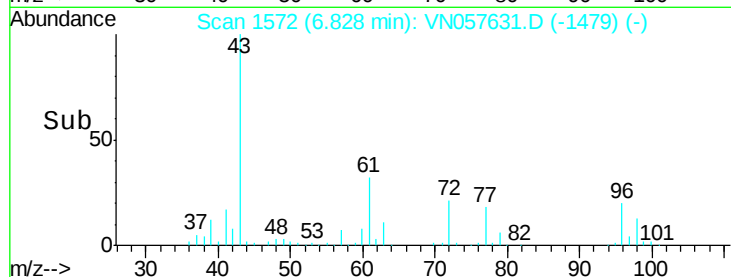
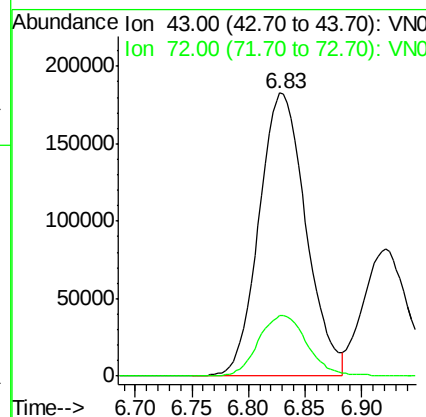
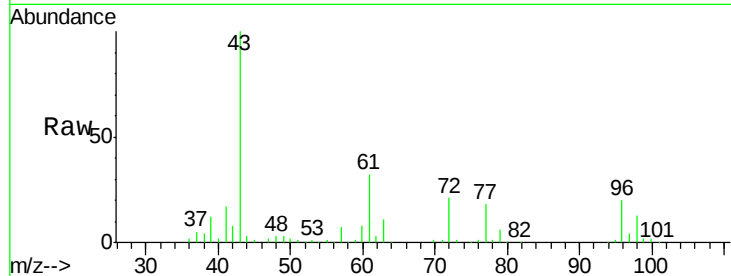
#25
2-Butanone
Concen: 261.888 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 522639
Ion Ratio Lower Upper
43 100
72 21.4 18.2 27.4

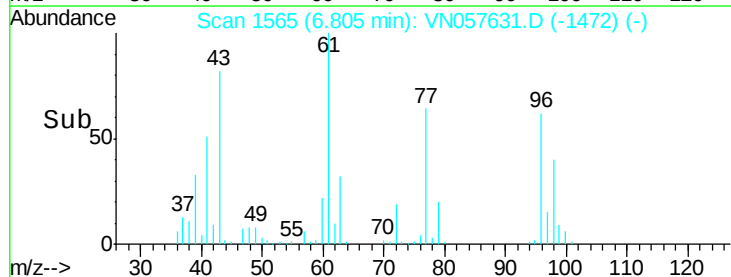
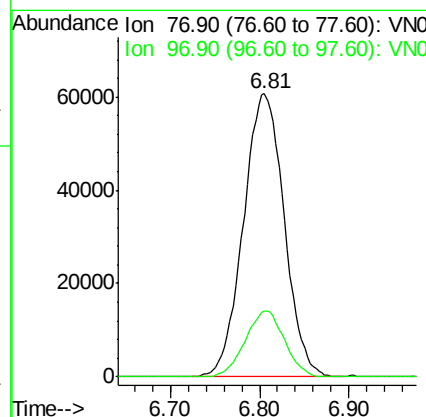
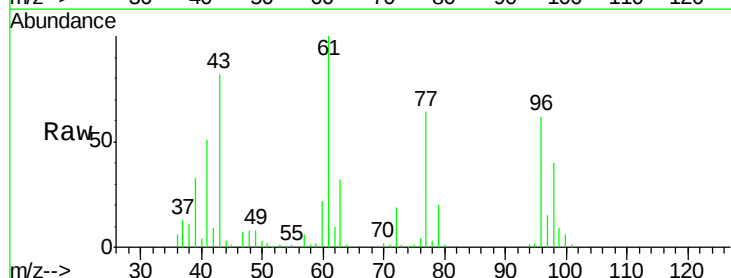
Manual Integrations
APPROVED

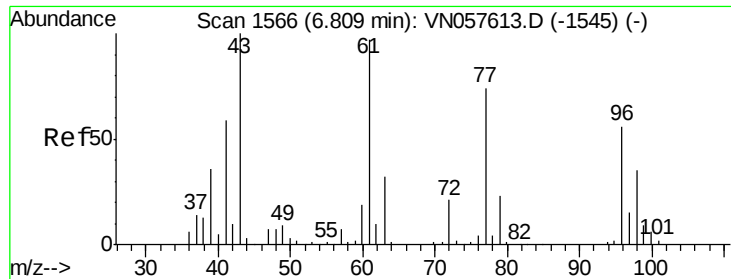
MMDadoda
9/3/2019 11:52:26 AM



#26
2,2-Dichloropropane
Concen: 42.480 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 77 Resp: 192613
Ion Ratio Lower Upper
77 100
97 22.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 53.328 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

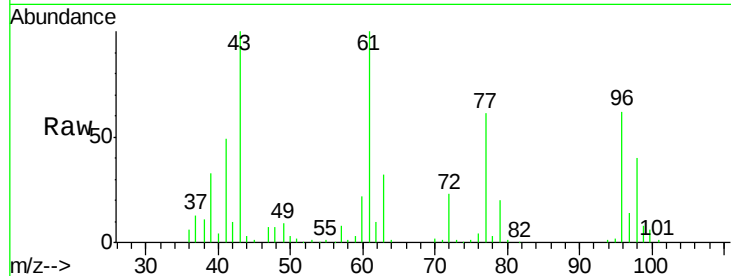
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	166826
Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	344.6
98	64.8	0.0	124.8

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9/3/2019 11:52:26 AM

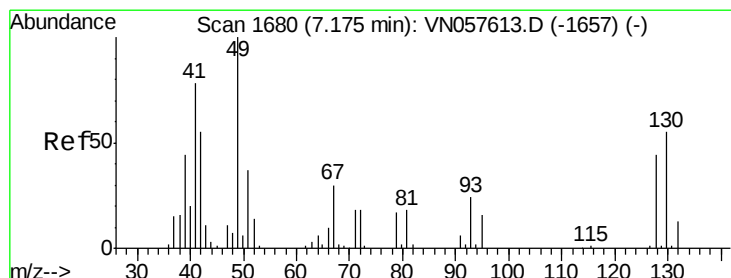
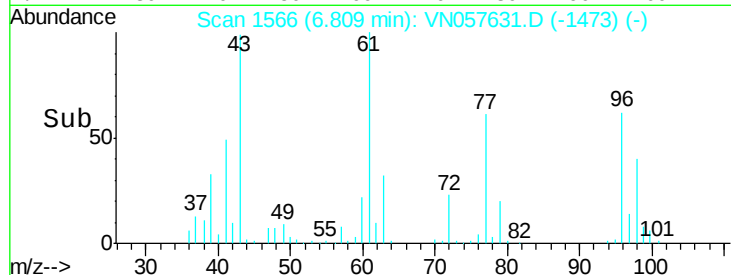
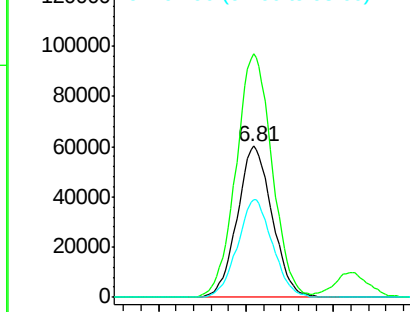


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.431 ug/l

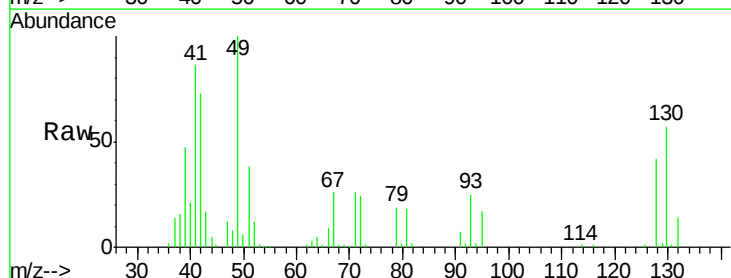
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	49	Resp:	155364
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.8
130	57.2	45.8	68.8

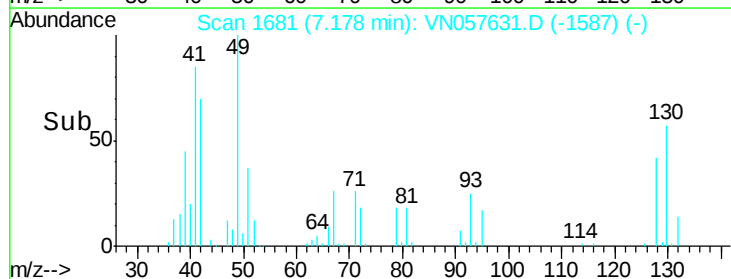
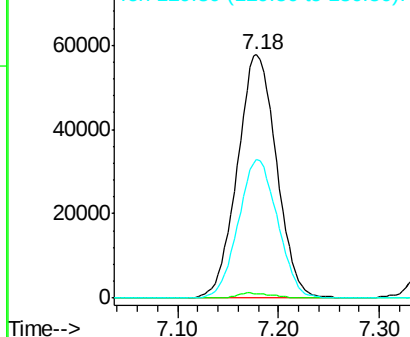


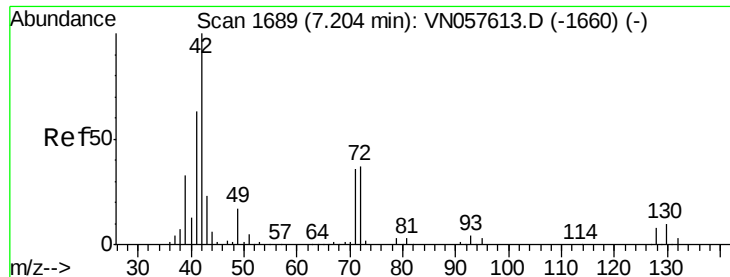
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





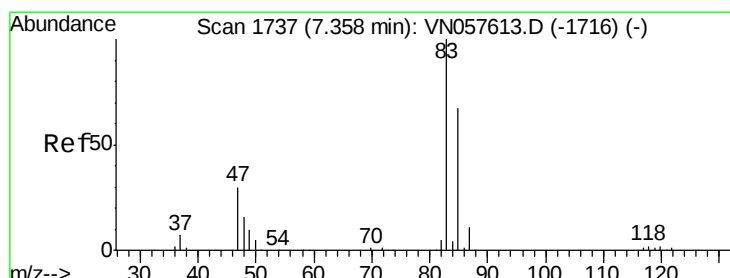
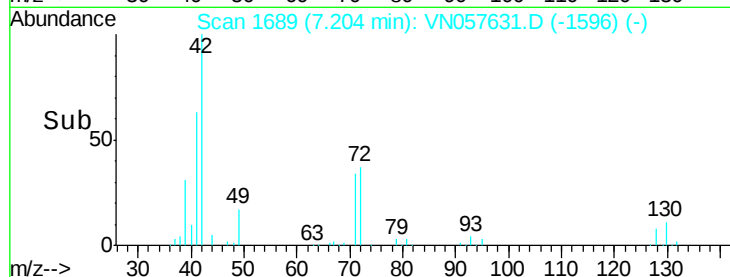
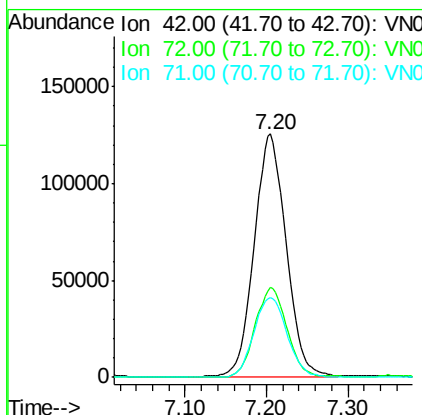
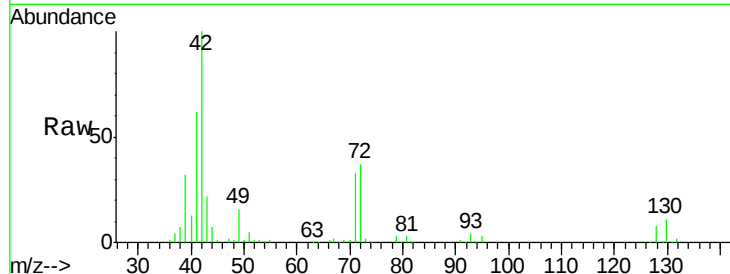
#29
Tetrahydrofuran
Concen: 273.594 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.6	44.4
71	33.9	27.9	41.9

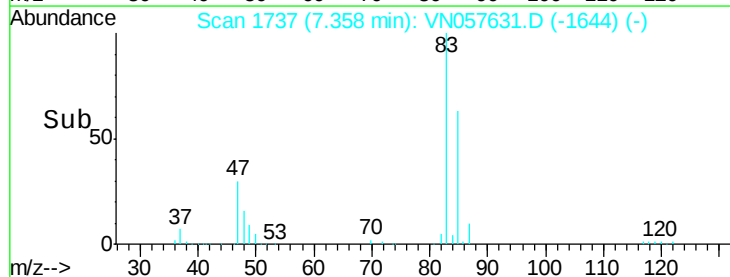
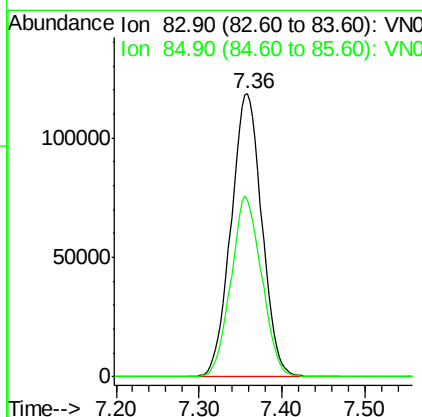
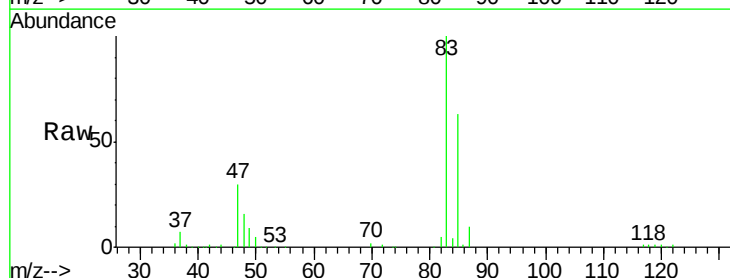
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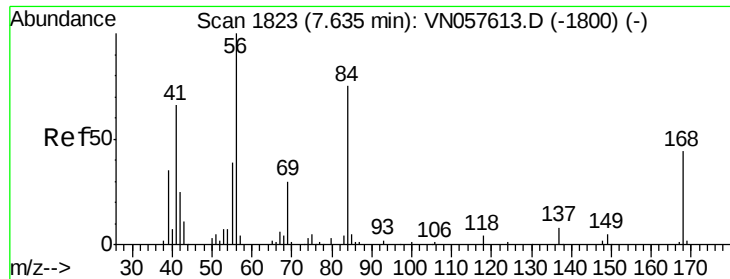
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#30
Chloroform
Concen: 53.305 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.2	79.8





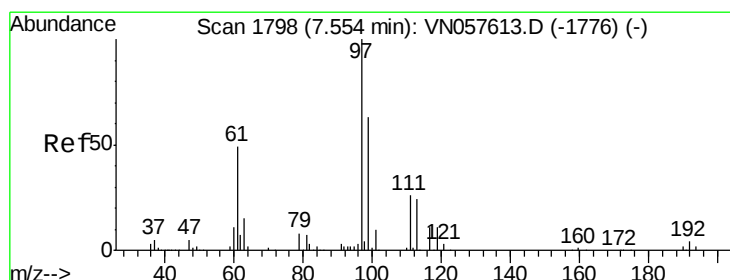
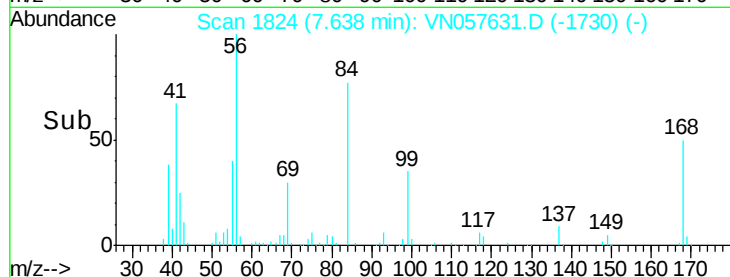
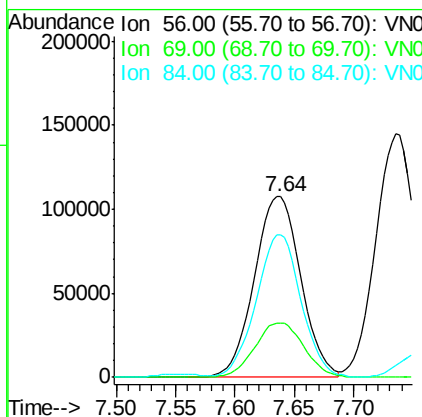
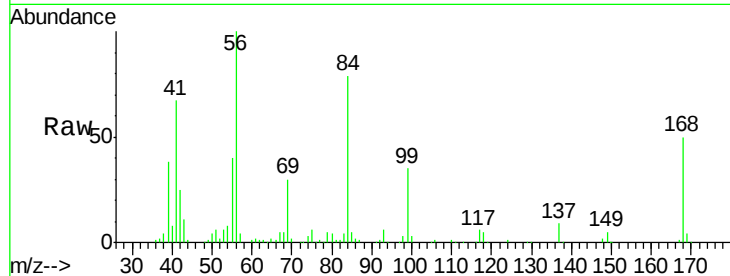
#31
Cyclohexane
Concen: 51.426 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	291150		
69	29.9	24.4	36.6	
84	77.2	59.9	89.9	

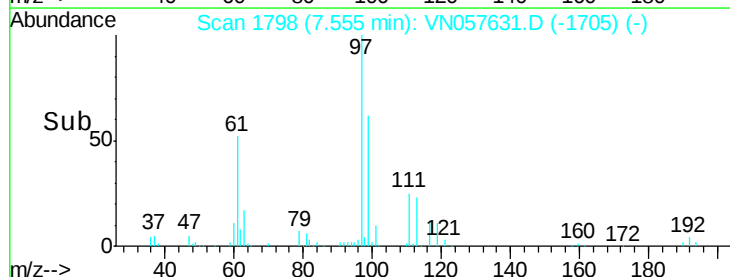
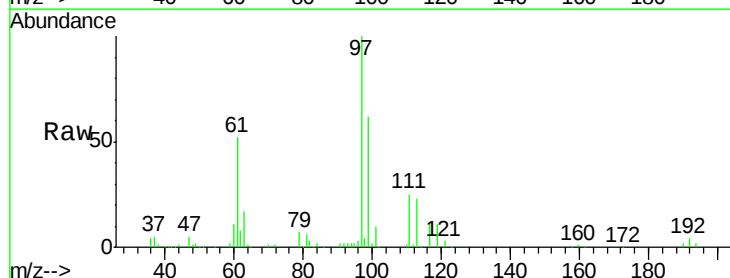
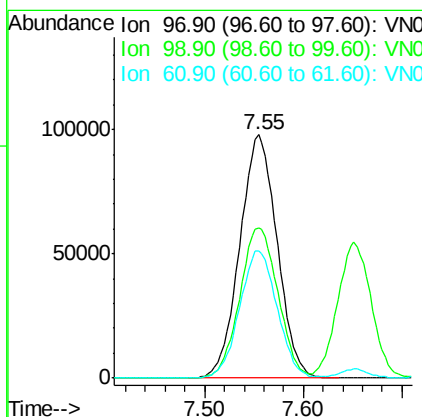
Manual Integrations
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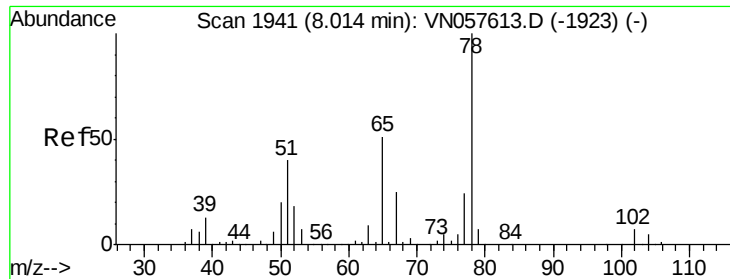
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#32
1,1,1-Trichloroethane
Concen: 54.240 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	256045		
99	63.2	50.6	75.8	
61	52.7	41.1	61.7	





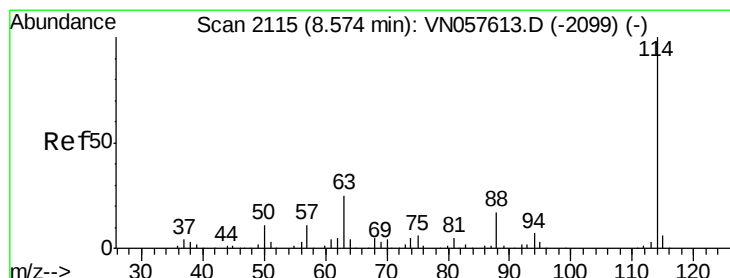
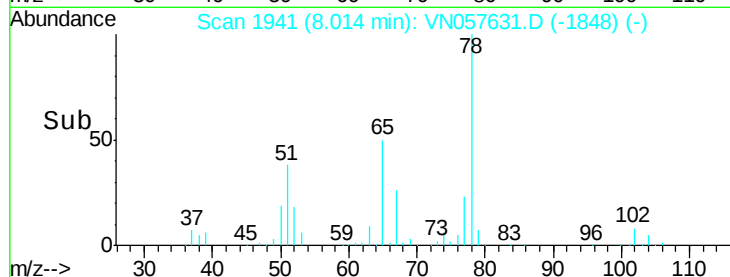
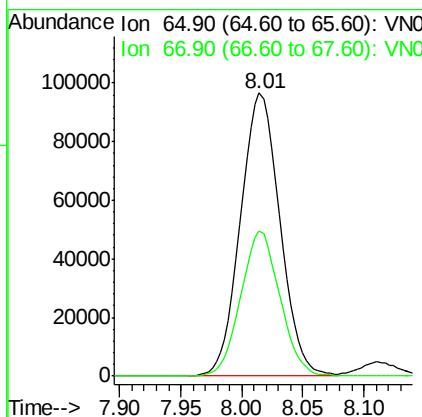
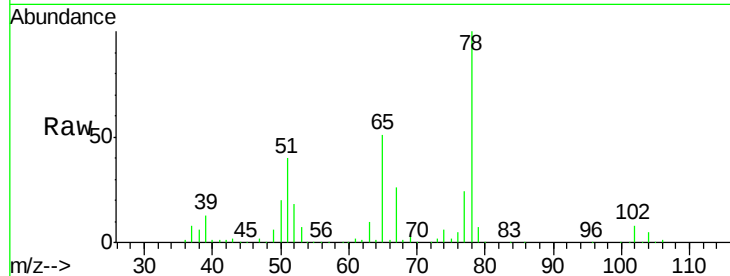
#33
 1,2-Dichloroethane-d4
 Concen: 50.638 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216400		
67	51.0	0.0	102.2	

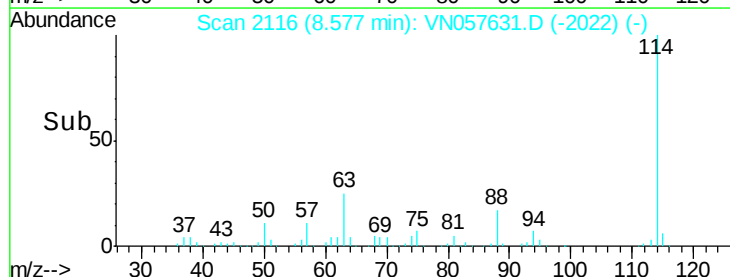
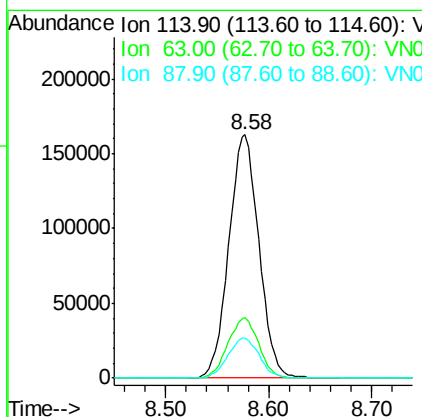
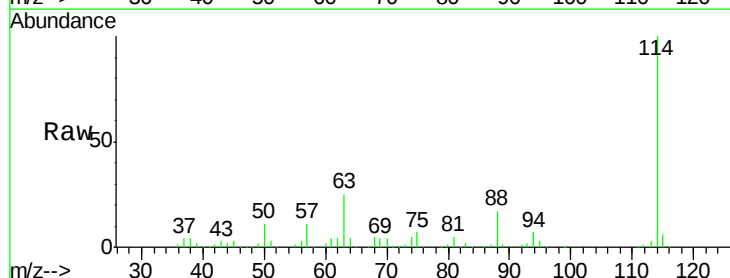
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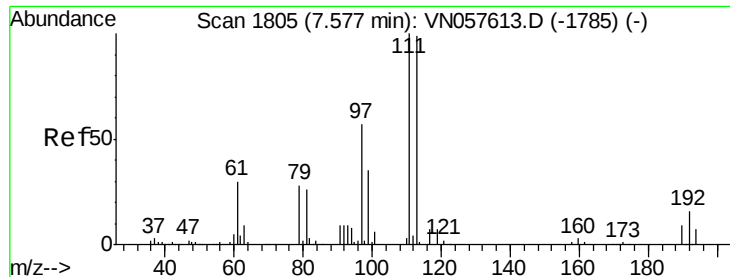
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330125		
63	24.8	0.0	49.0	
88	16.6	0.0	33.0	





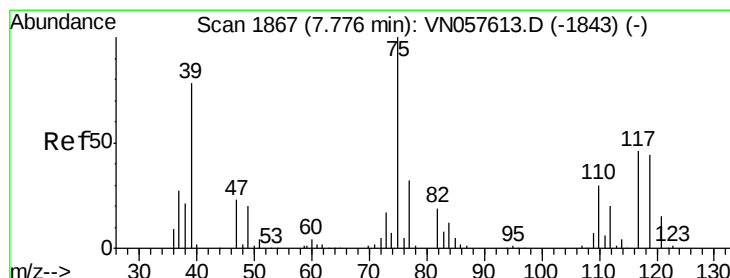
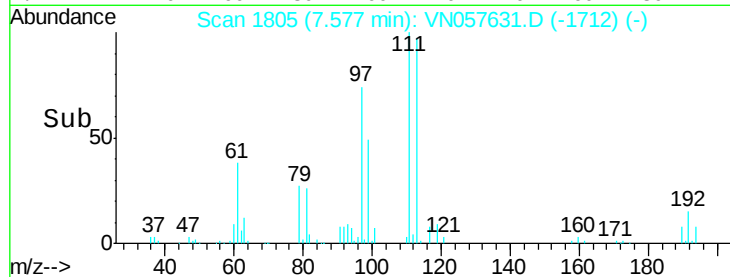
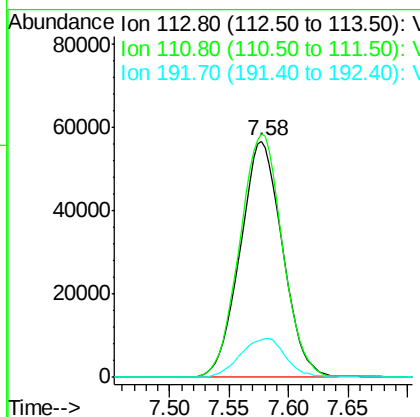
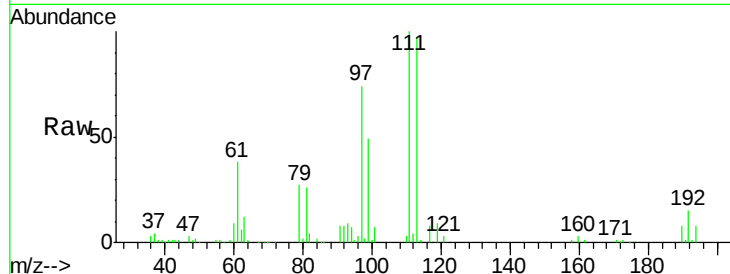
#35
 Dibromofluoromethane
 Concen: 48.384 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139487		
111	104.4	81.3	121.9	
192	17.6	13.5	20.3	

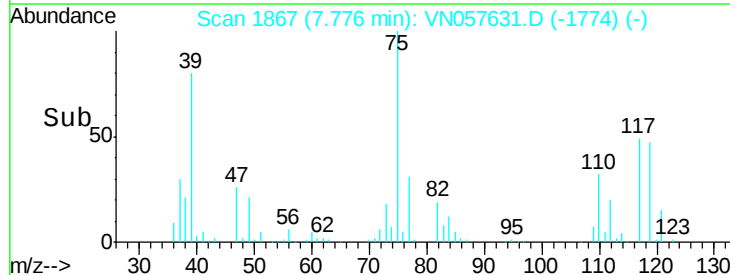
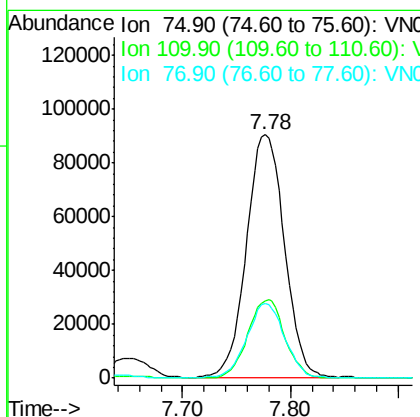
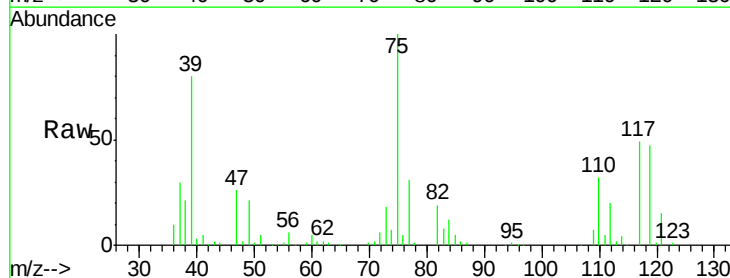
Manual Integrations
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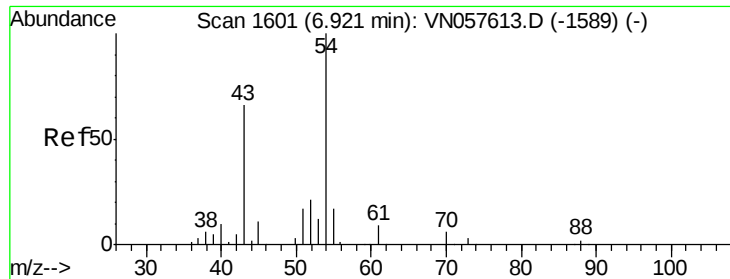
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#36
 1,1-Dichloropropene
 Concen: 50.397 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	220575		
110	31.6	15.6	46.8	
77	31.0	24.9	37.3	





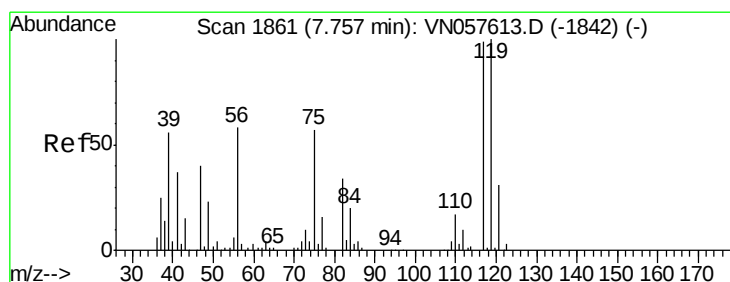
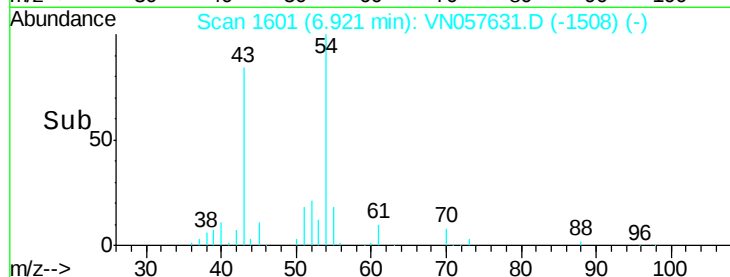
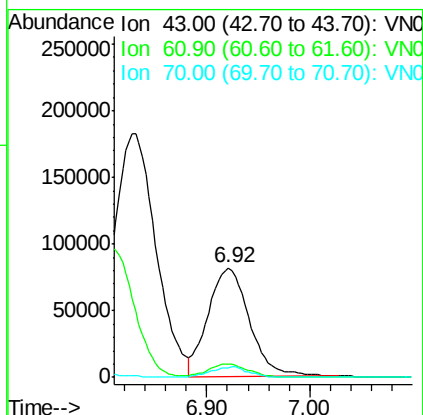
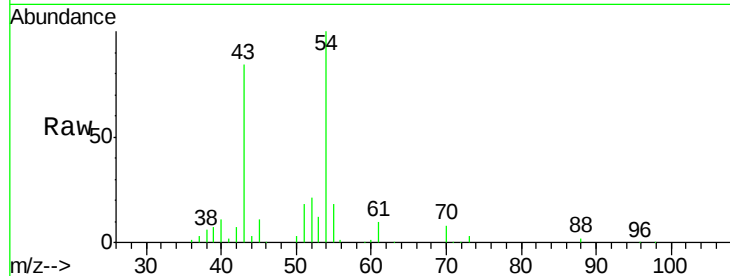
#37
Ethyl Acetate
Concen: 54.345 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.1	15.1
70	8.9	6.8	10.2

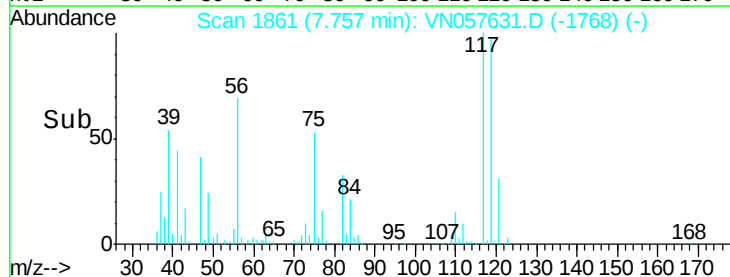
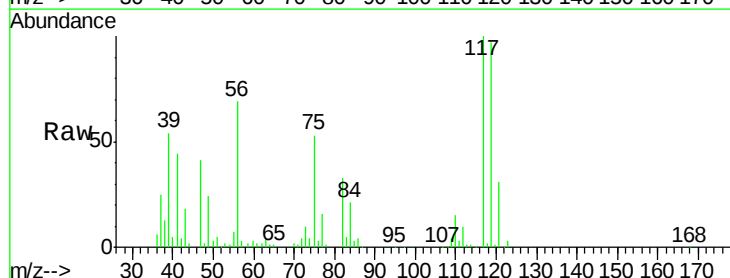
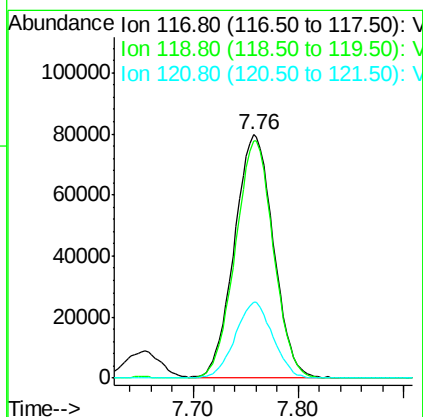
Manual Integrations
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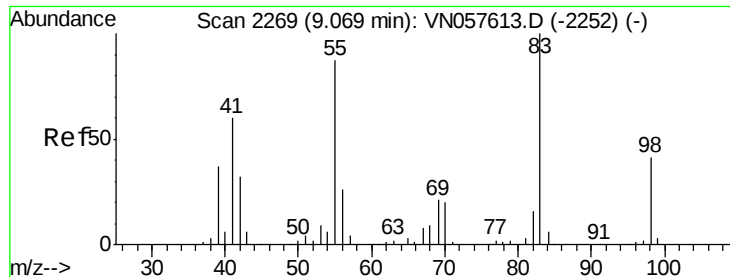
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#38
Carbon Tetrachloride
Concen: 52.457 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	80.6	120.8
121	31.2	25.1	37.7





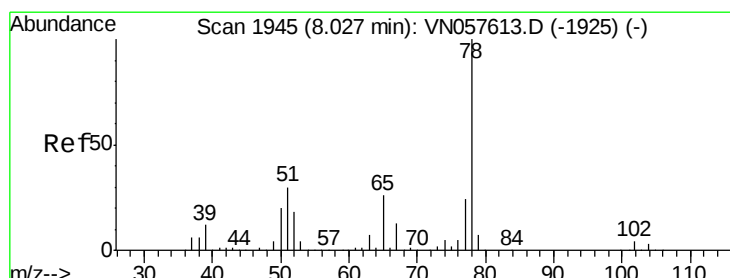
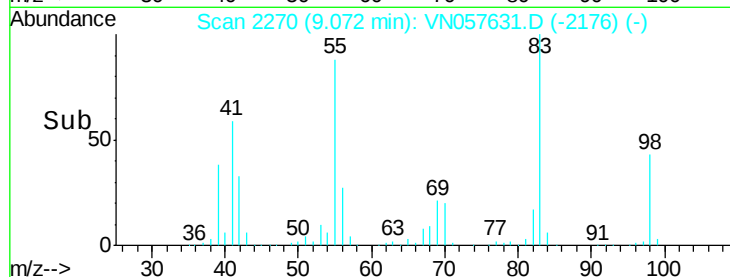
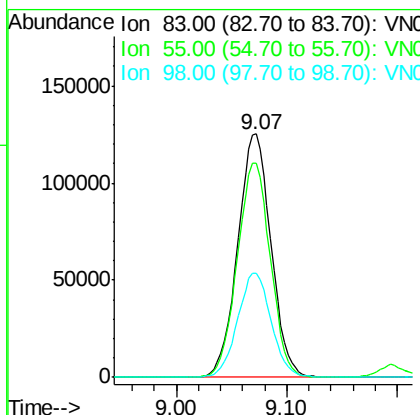
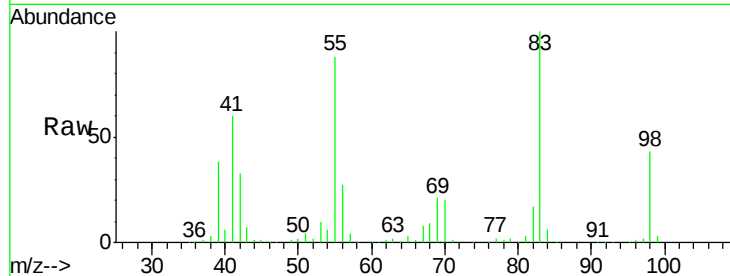
#39
Methvlcvclohexane
Concen: 50.526 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	261273
Ion Ratio	Lower	Upper	
83	100		
55	88.1	69.8	104.8
98	42.7	32.7	49.1

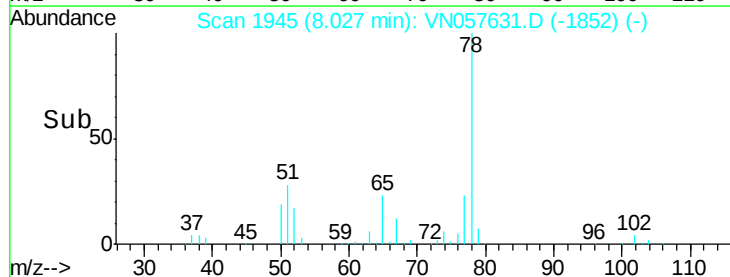
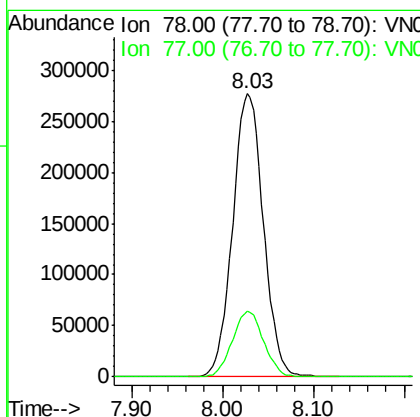
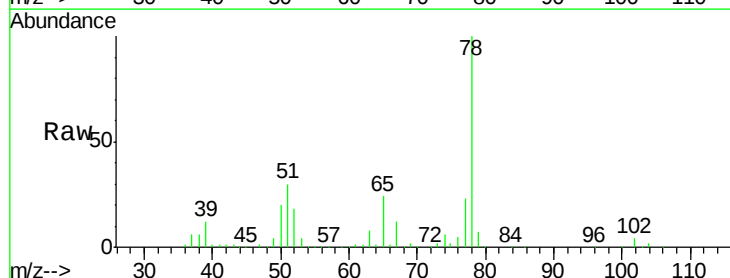
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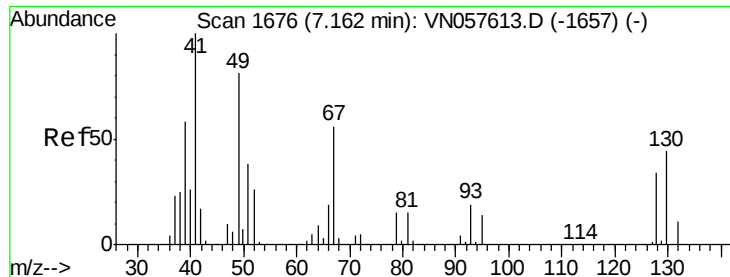
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#40
Benzene
Concen: 50.958 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	78.00	Resp	649229
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.1	28.7





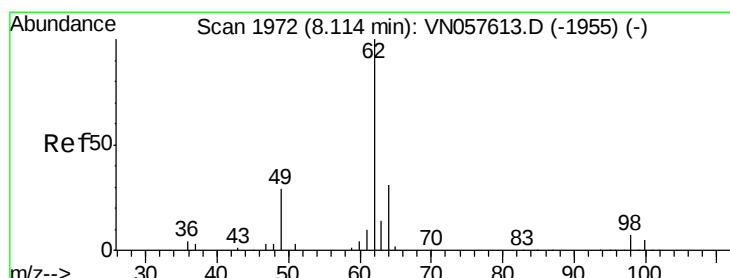
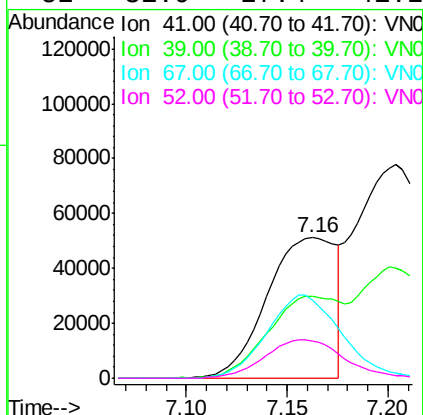
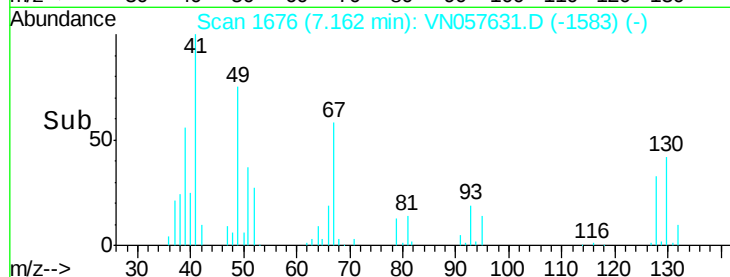
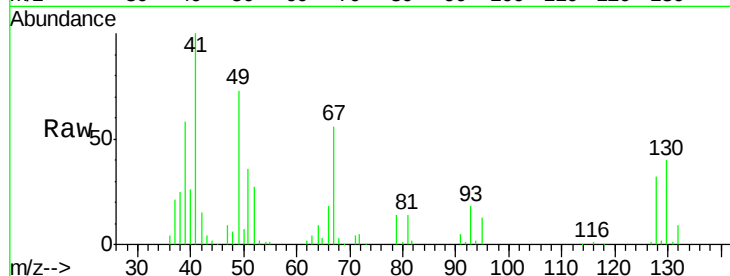
#41
Methacrylonitrile
Concen: 51.910 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.8	50.6	75.8	
67	64.2	56.9	85.3	
52	31.9	27.4	41.2	

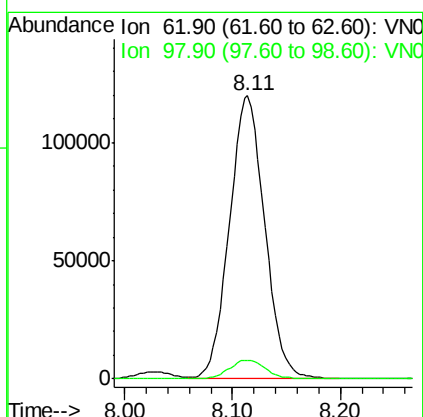
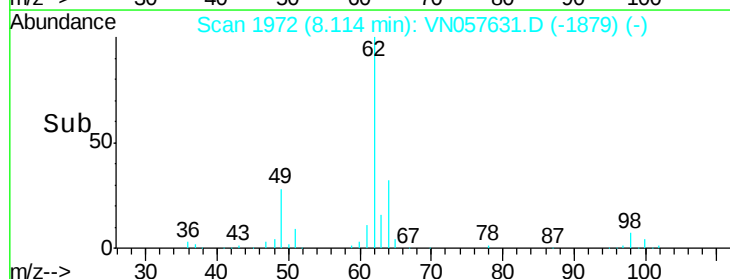
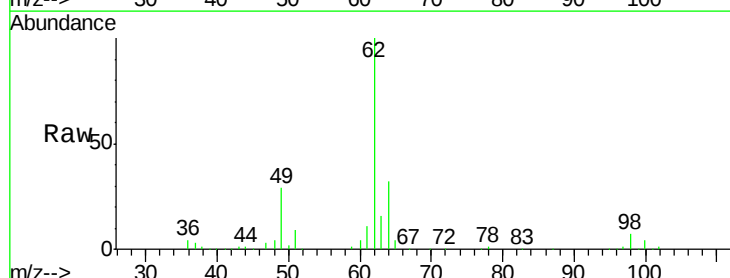
Manual Integrations
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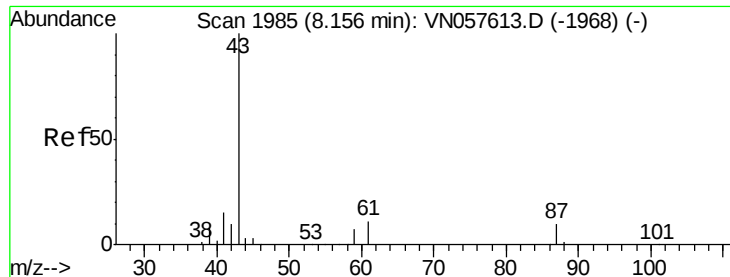
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.625 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.8	0.0	14.0	





#43

Isopropyl Acetate

Concen: 53.417 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

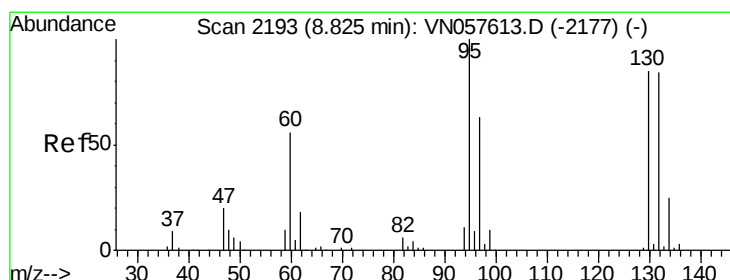
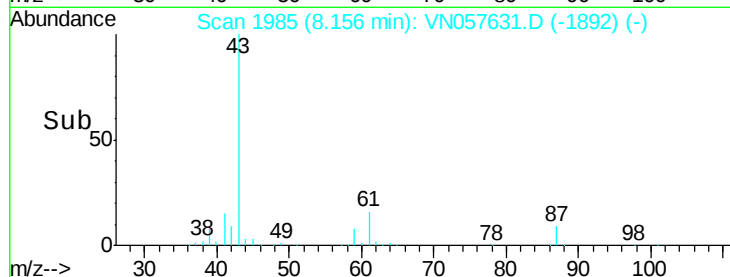
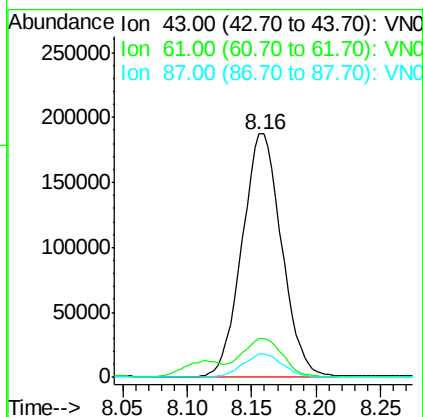
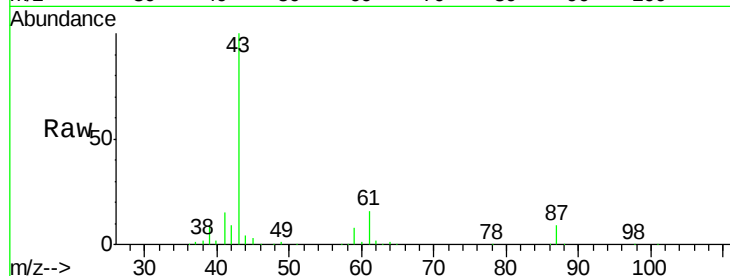
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	400675
Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.1	19.7
87	9.7	8.1	12.1

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#44

Trichloroethene

Concen: 50.998 ug/l

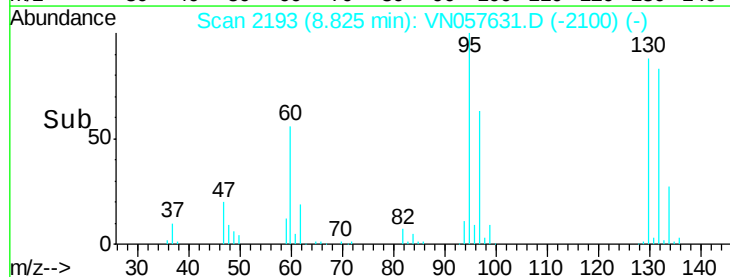
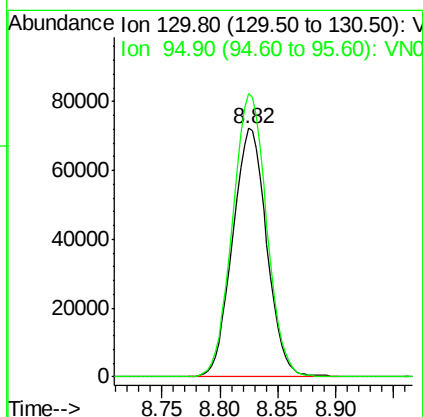
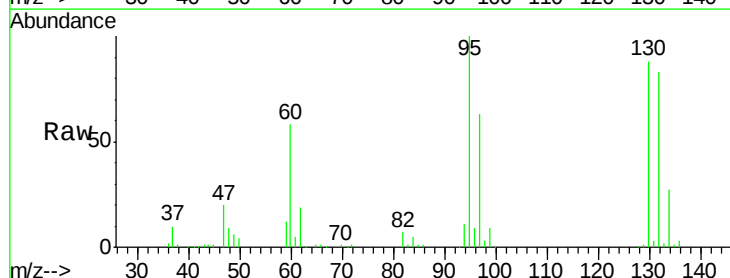
RT: 8.82 min Scan# 2193

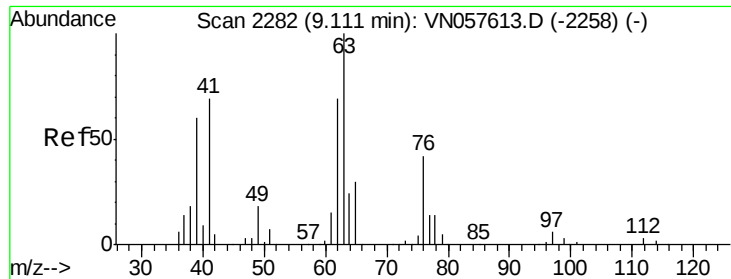
Delta R.T. 0.00 min

Lab File: VN057613.D

Acq: 31 Aug 2019 22:30

Tgt Ion	130	Resp	147394
Ion	Ratio	Lower	Upper
130	100		
95	114.0	0.0	234.4





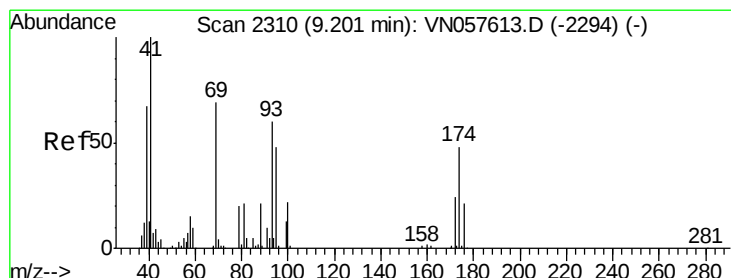
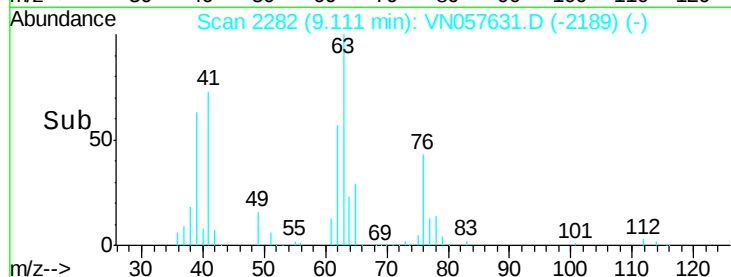
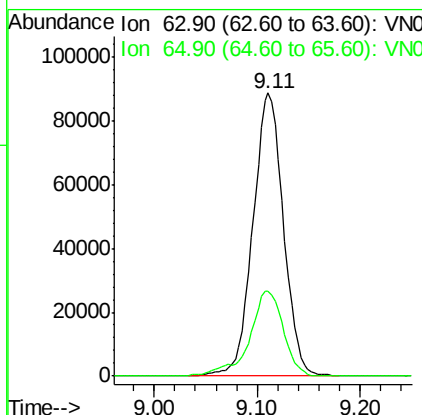
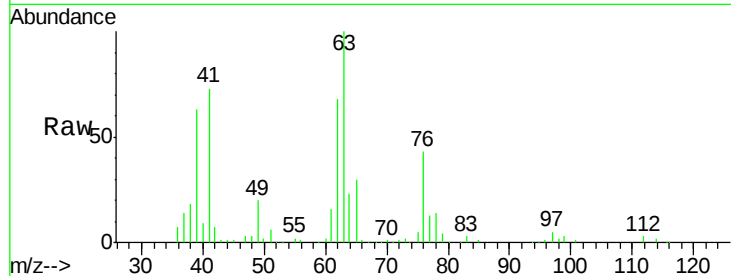
#45
 1,2-Dichloropropane
 Concen: 51.172 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	181599
Ion Ratio	Lower	Upper	
63	100		
65	30.1	24.4	36.6

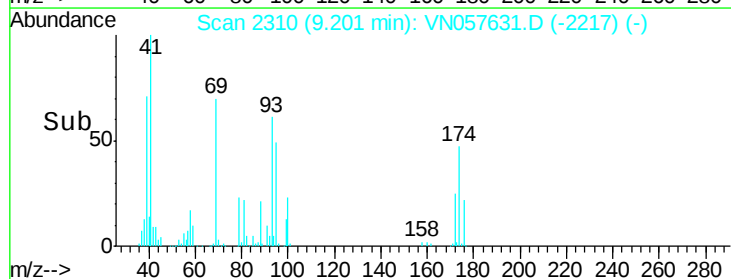
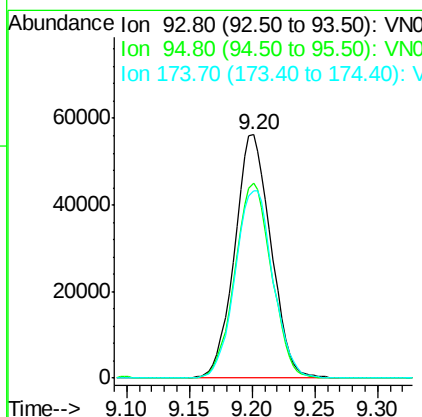
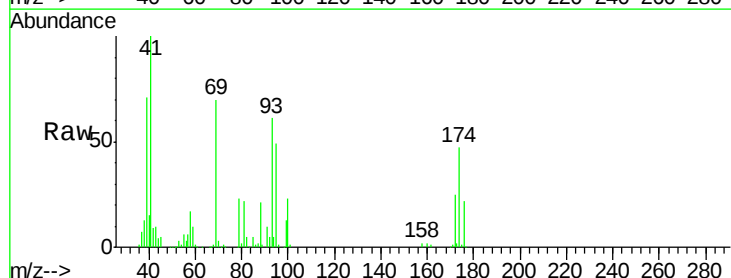
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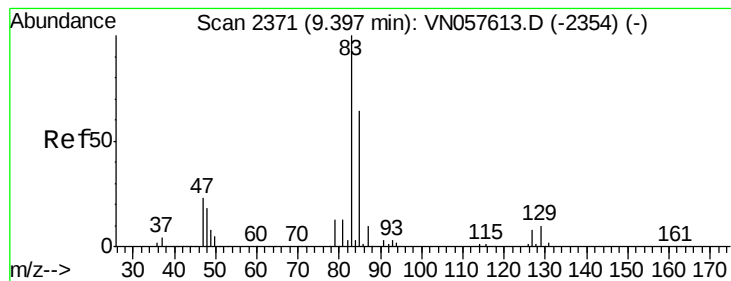
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#46
 Dibromomethane
 Concen: 51.348 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	93	Resp	112826
Ion Ratio	Lower	Upper	
93	100		
95	80.9	65.8	98.6
174	80.5	64.2	96.2





#47

Bromodichloromethane

Concen: 52.461 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

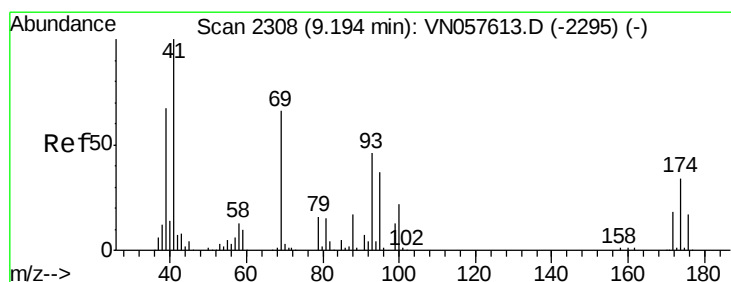
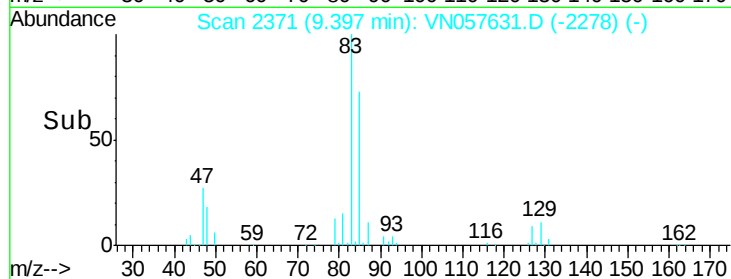
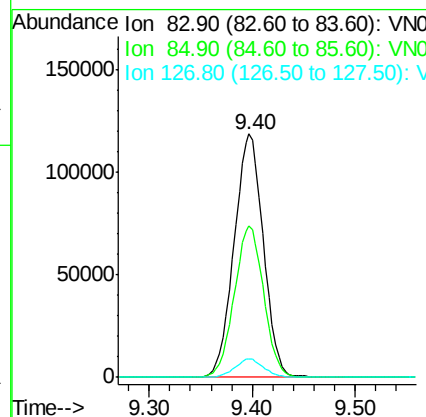
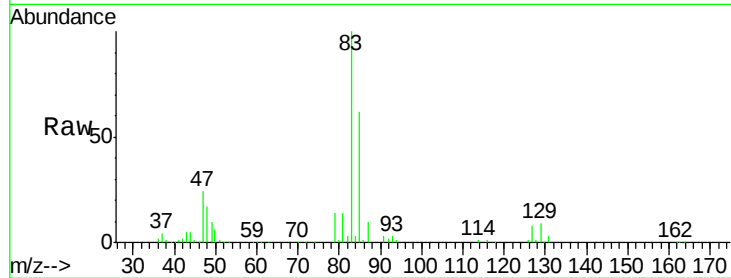
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	234193
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.4	77.0
127	7.6	6.1	9.1

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#48

Methyl methacrylate

Concen: 52.412 ug/l

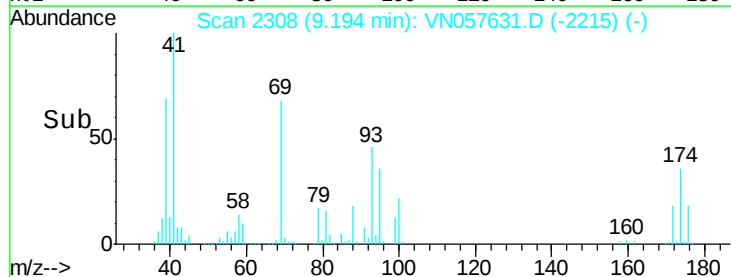
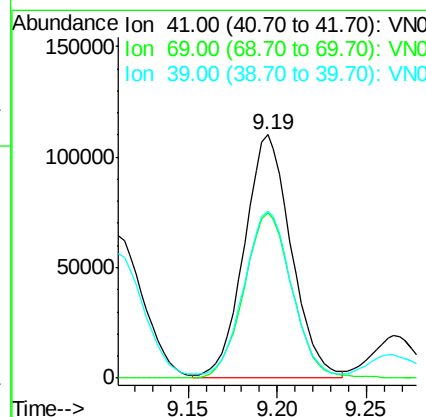
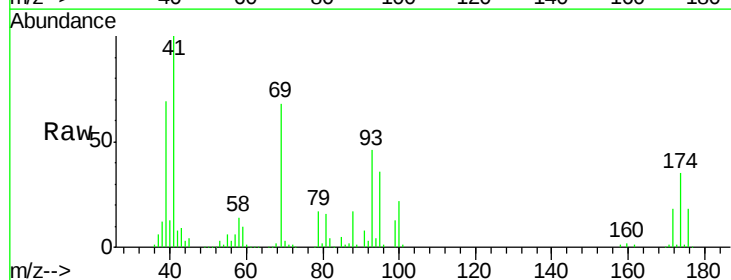
RT: 9.19 min Scan# 2308

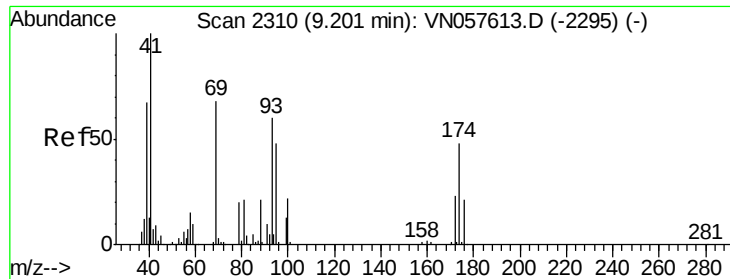
Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	41	Resp:	200716
Ion Ratio	Lower	Upper	
41	100		
69	69.9	55.1	82.7
39	70.3	55.4	83.2





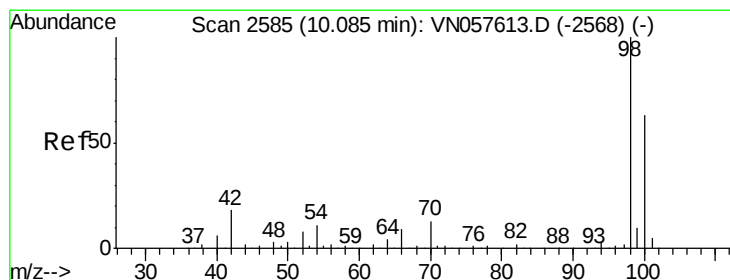
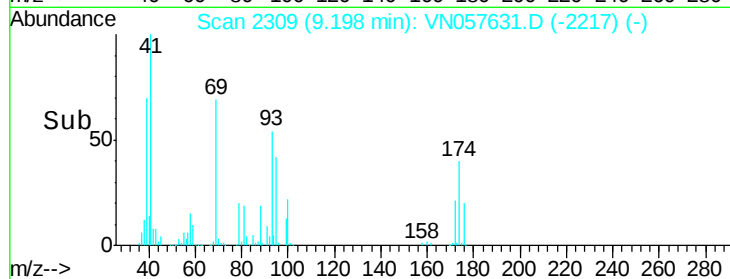
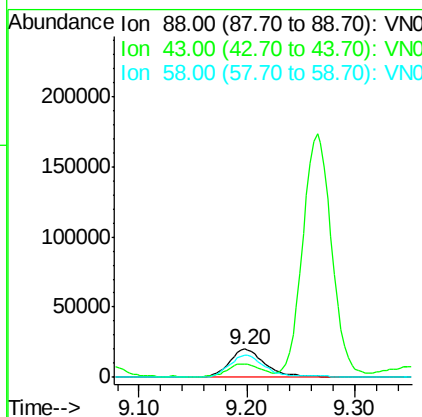
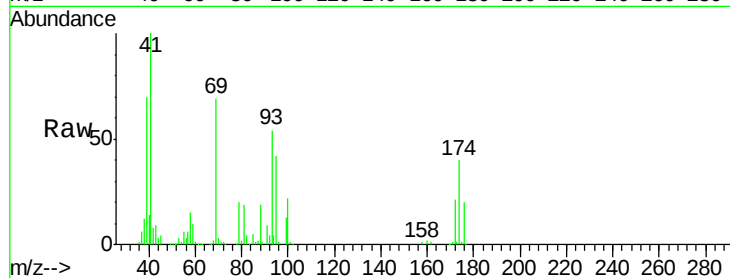
#49
1,4-Dioxane
Concen: 1046.290 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	46920
Ion	Ratio	Lower	Upper
88	100		
43	41.7	35.0	52.4
58	75.2	61.6	92.4

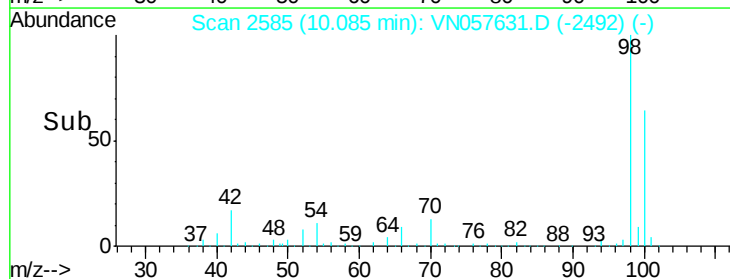
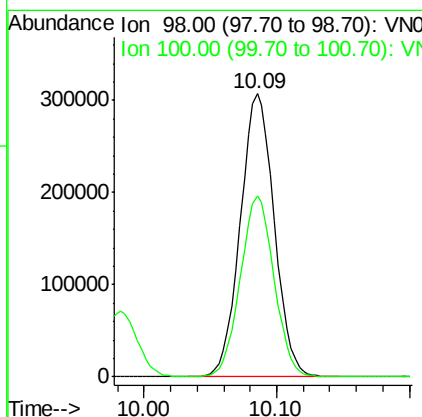
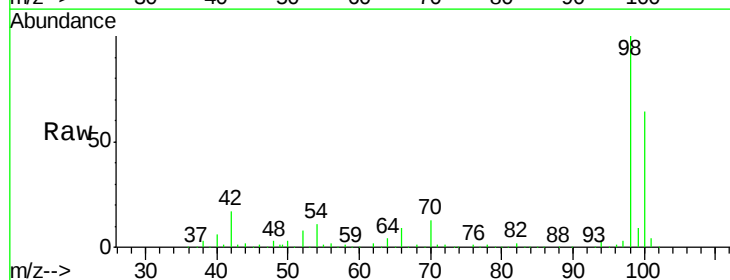
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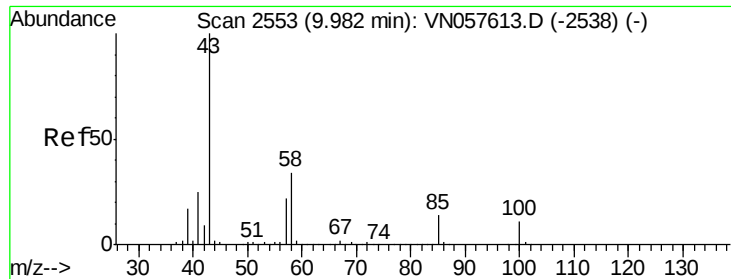
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#50
Toluene-d8
Concen: 49.273 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	98	Resp	545365
Ion	Ratio	Lower	Upper
98	100		
100	63.6	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 271.758 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1168311

Ion Ratio Lower Upper

43 100

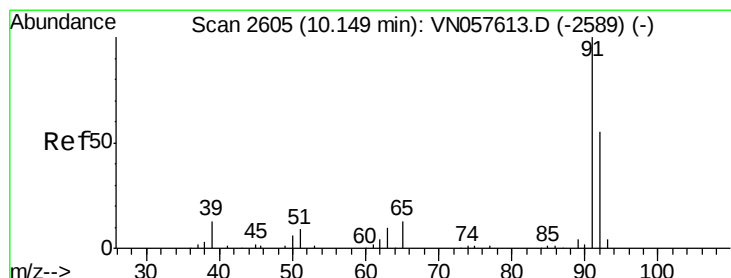
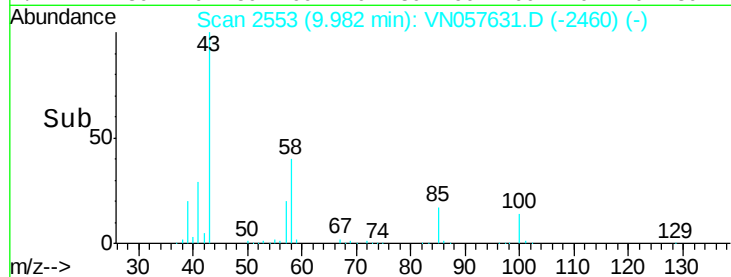
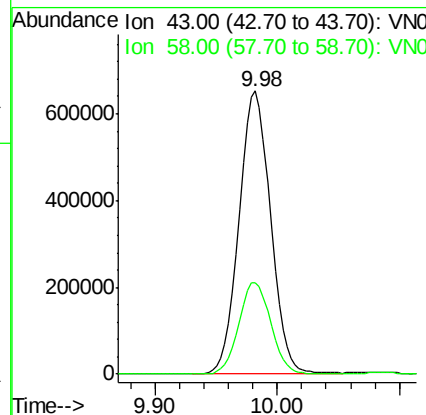
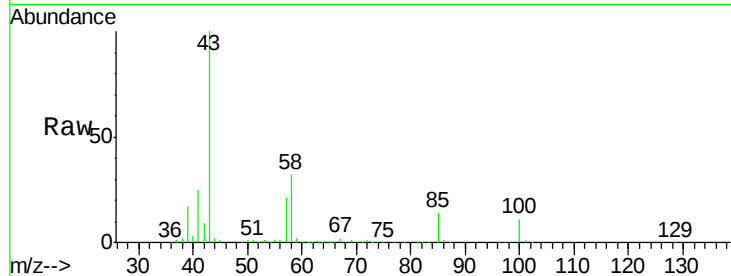
58 32.9 26.9 40.3

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#52

Toluene

Concen: 52.100 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057631.D

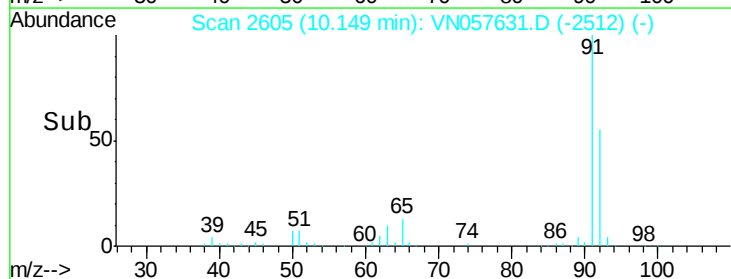
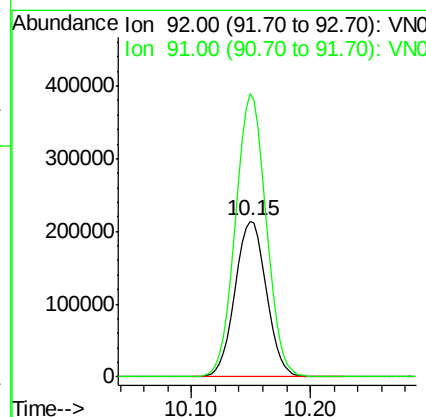
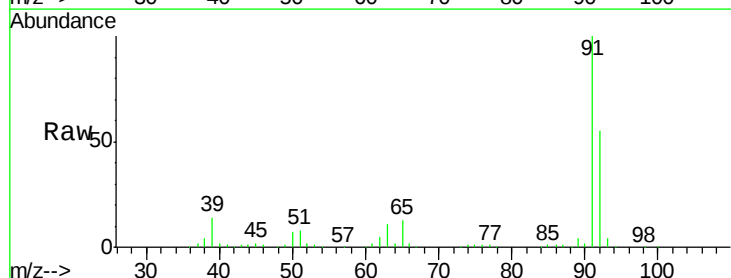
Acq: 31 Aug 2019 22:30

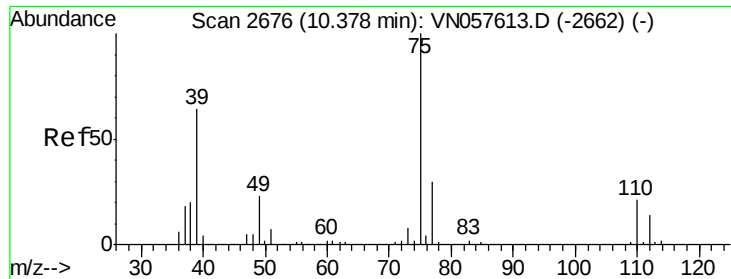
Tgt Ion: 92 Resp: 392314

Ion Ratio Lower Upper

92 100

91 178.1 143.8 215.6





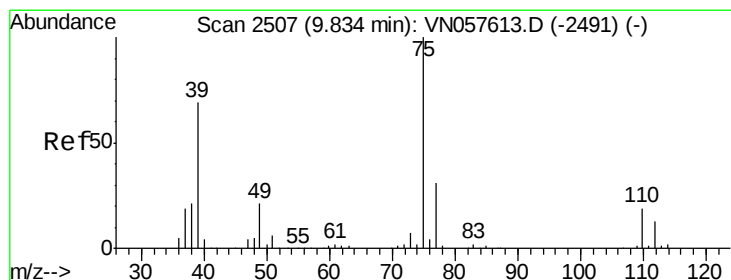
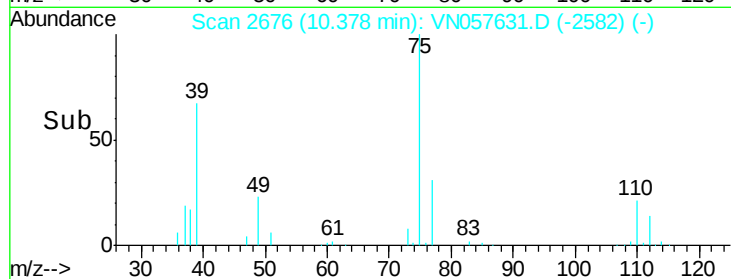
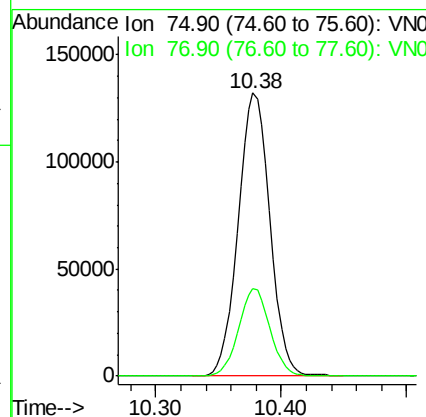
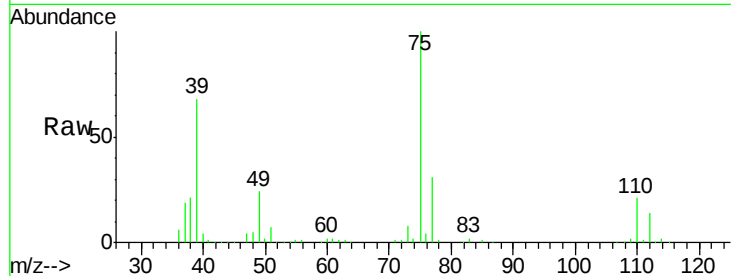
#53
t-1,3-Dichloropropene
Concen: 46.782 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.1	36.1

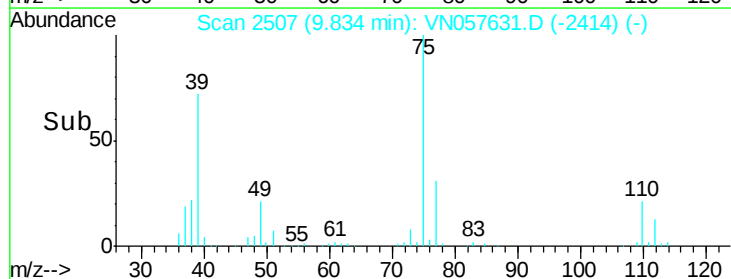
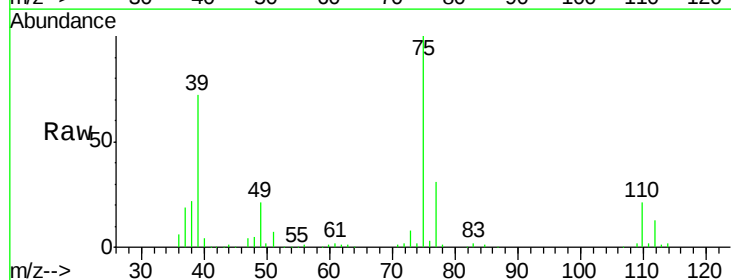
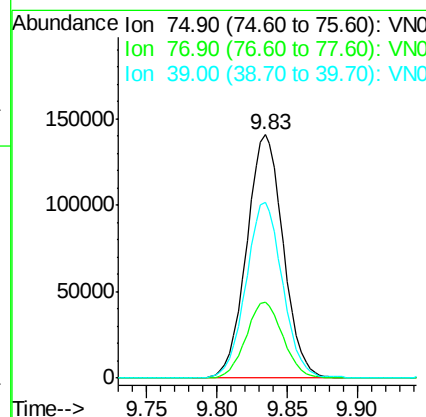
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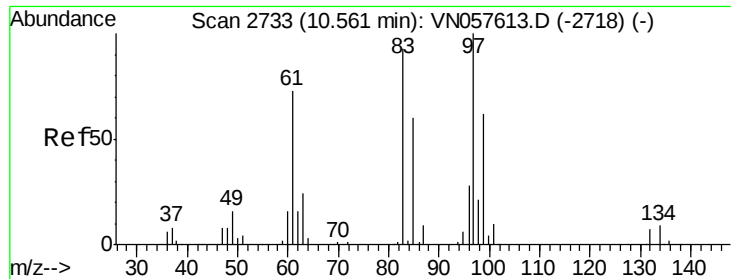
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#54
cis-1,3-Dichloropropene
Concen: 46.849 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	72.1	55.0	82.4





#55

1,1,2-Trichloroethane

Concen: 52.787 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

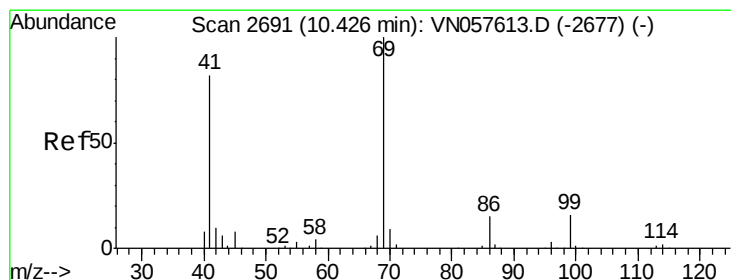
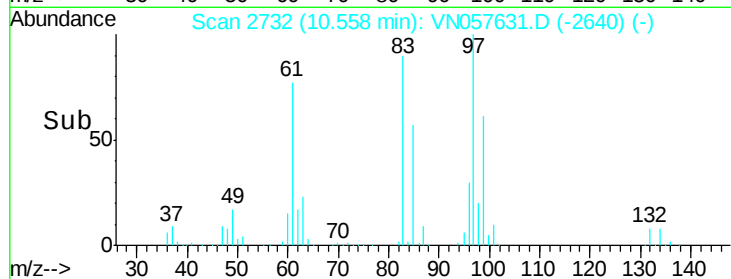
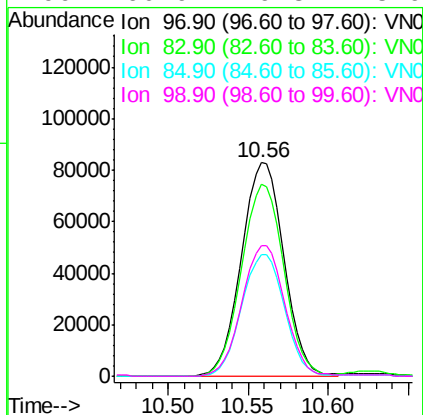
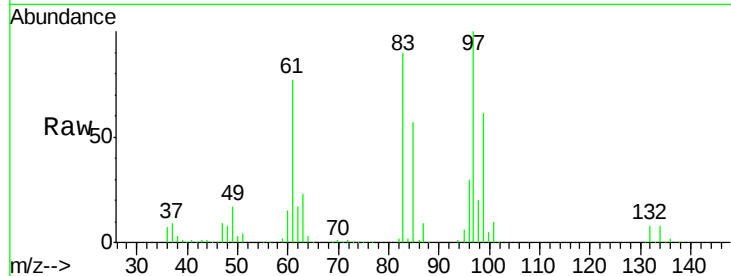
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	150810
Ion	Ratio	Lower	Upper
97	100		
83	89.7	74.2	111.2
85	57.0	47.8	71.8
99	60.9	49.3	73.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.330 ug/l

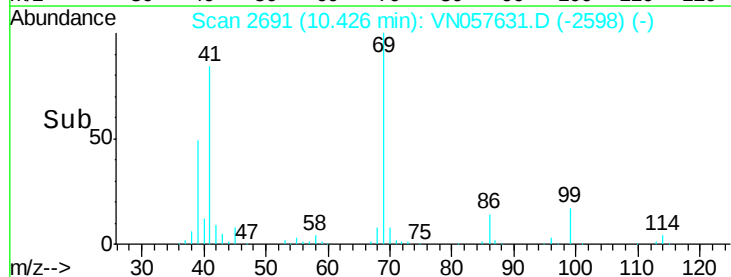
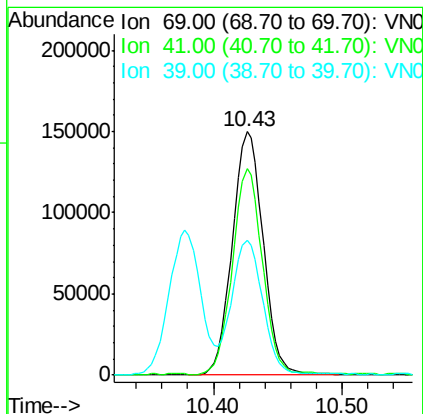
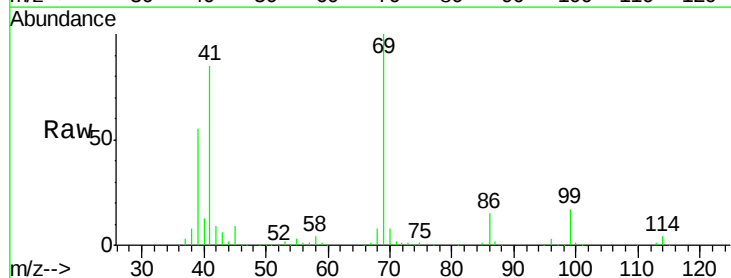
RT: 10.43 min Scan# 2691

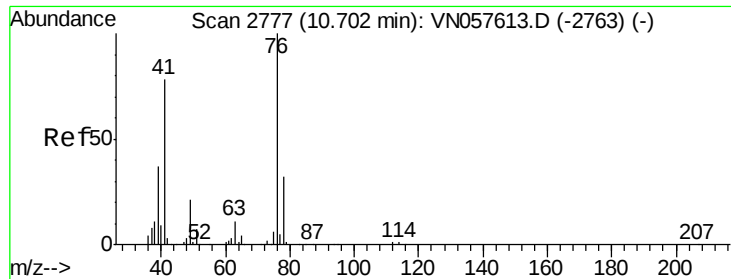
Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	69	Resp:	249493
Ion	Ratio	Lower	Upper
69	100		
41	82.0	65.8	98.6
39	54.9	43.8	65.8





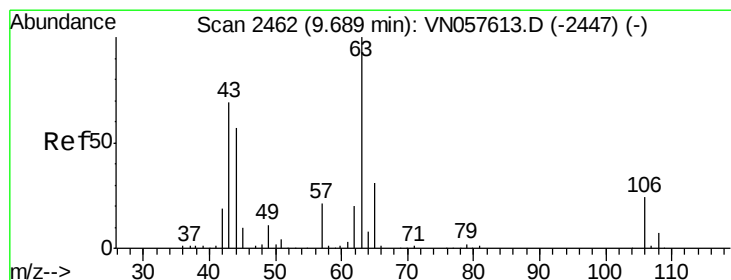
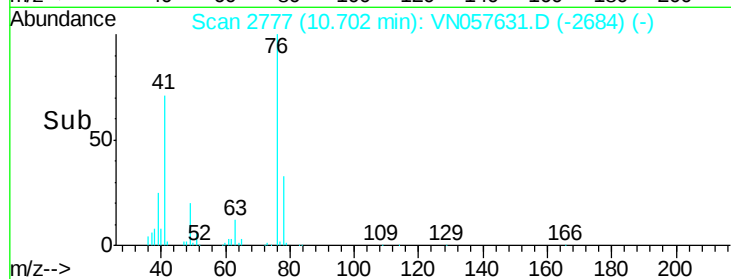
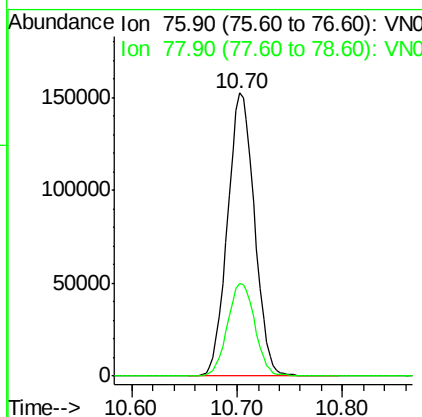
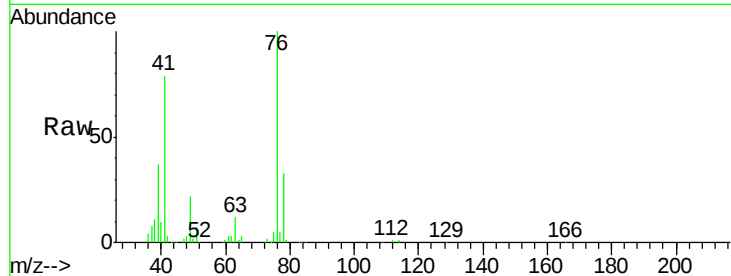
#57
 1,3-Dichloropropane
 Concen: 51.567 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.4	38.2

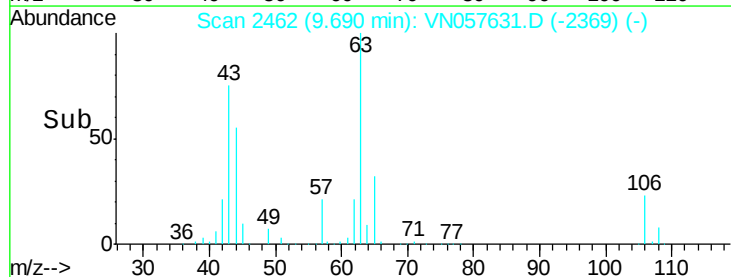
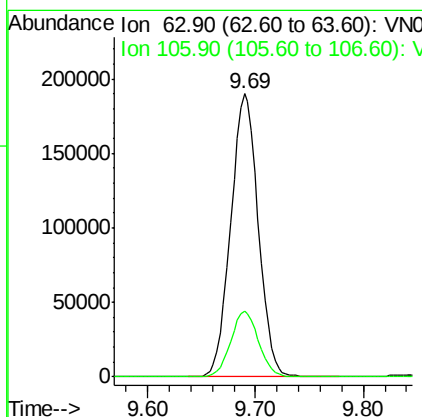
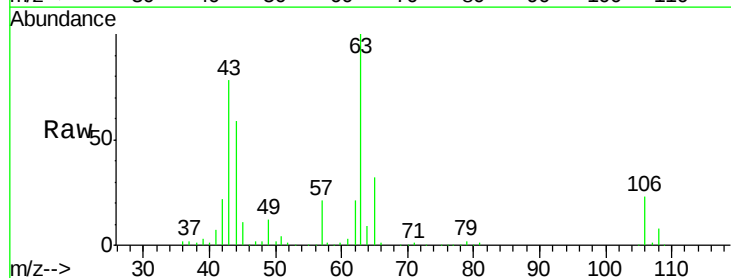
Manual Integrations
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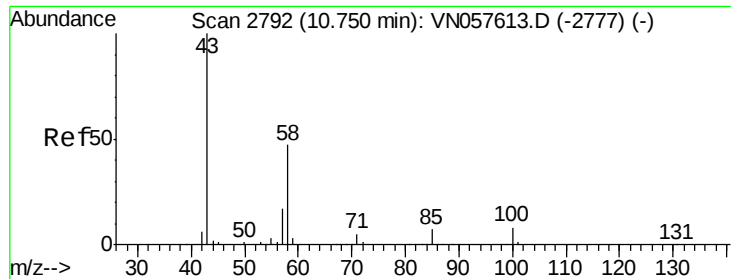
MMDadoda
 9/3/2019 11:52:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.315 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.4	18.3	27.5





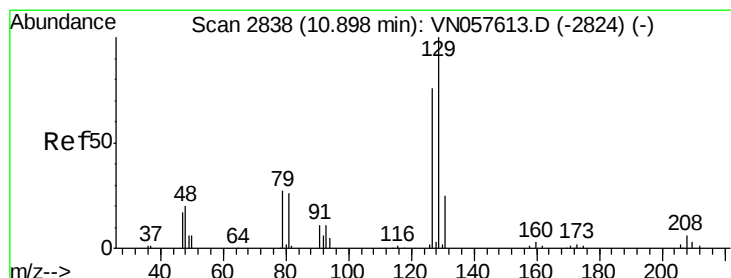
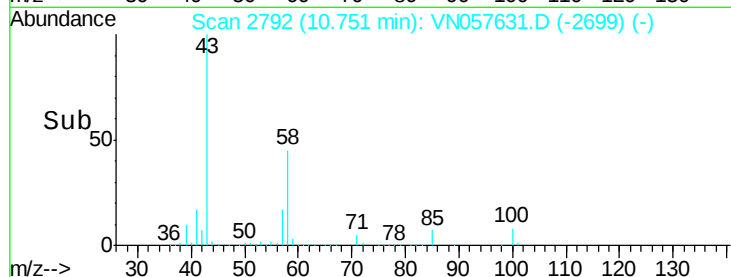
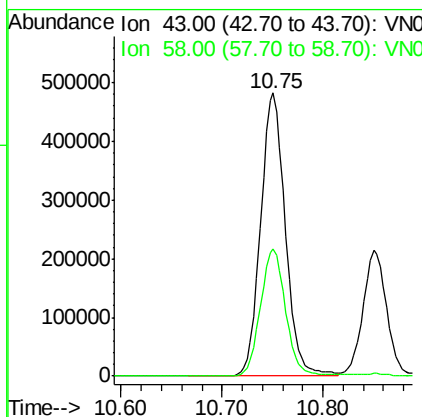
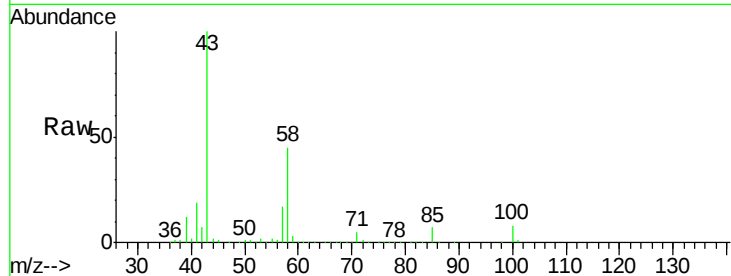
#59
2-Hexanone
Concen: 259.492 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
819232	100	45.8		23.5	70.5

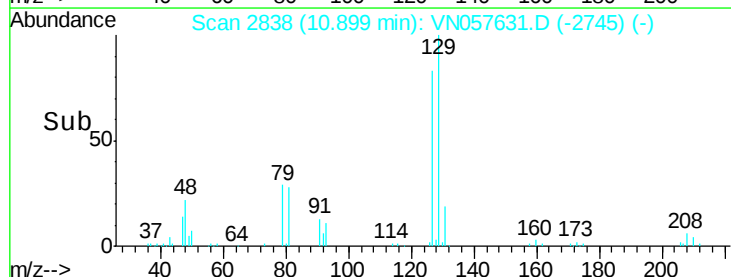
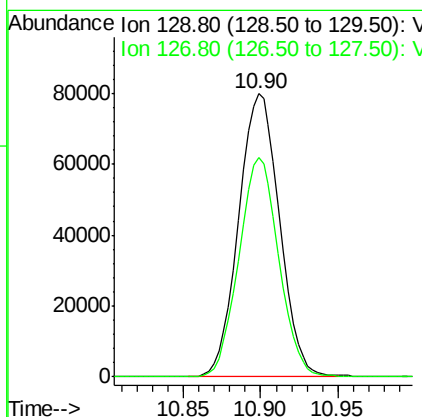
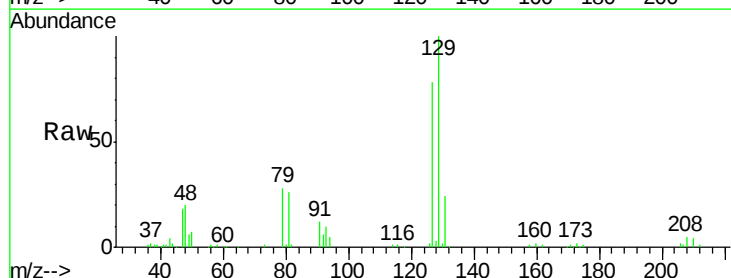
Manual Integrations
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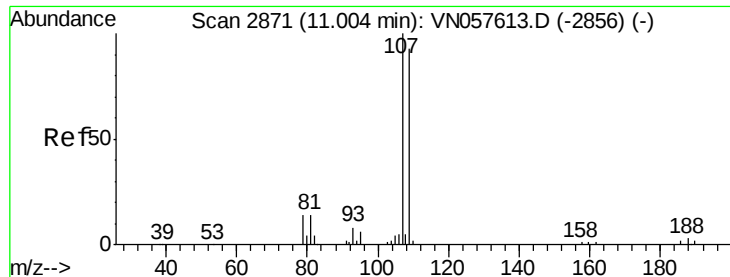
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#60
Dibromochloromethane
Concen: 47.106 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	129	127	Ratio	Lower	Upper
146843	100	75.8		38.3	114.8





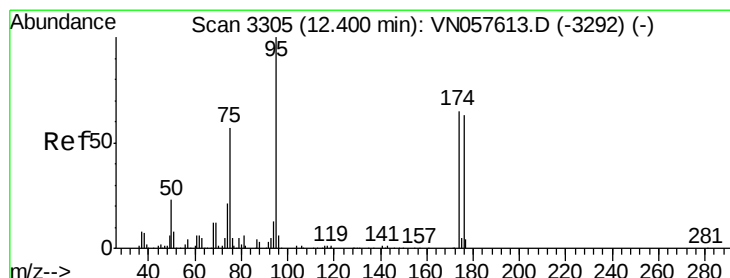
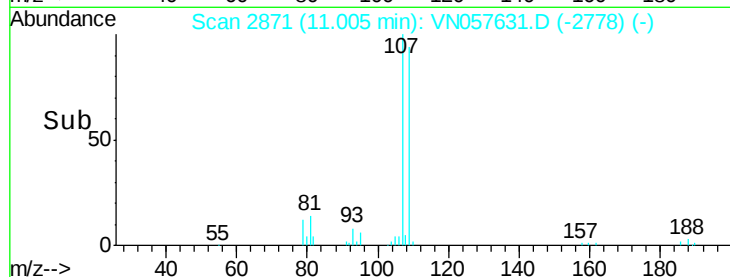
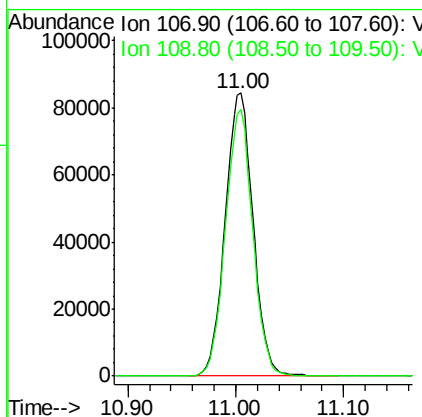
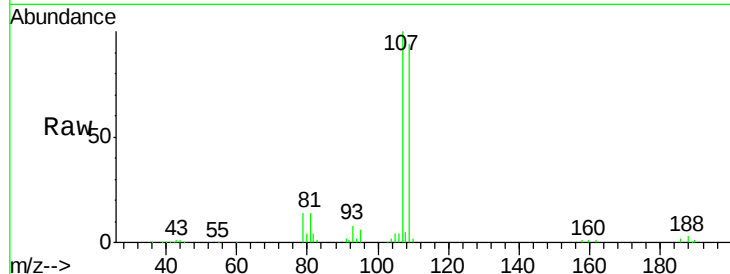
#61
 1,2-Dibromoethane
 Concen: 52.863 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.0	112.4

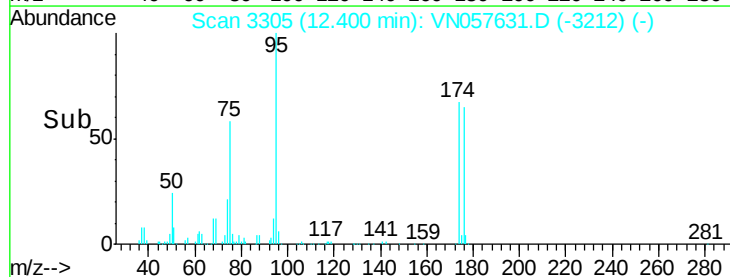
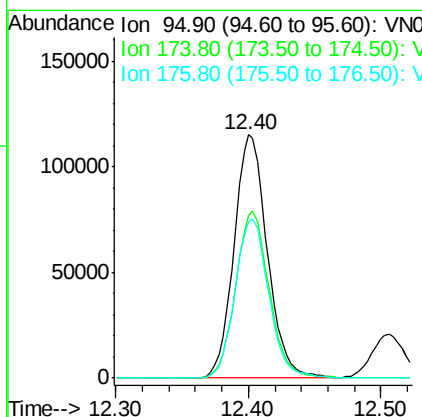
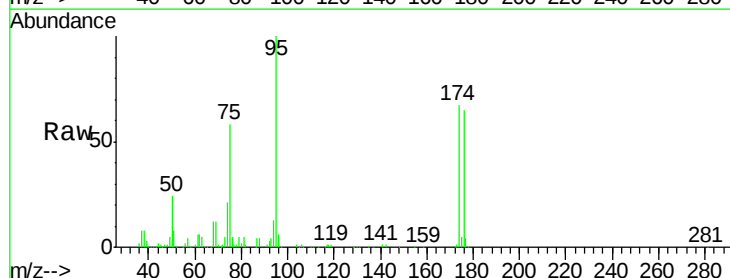
Manual Integrations
 APPROVED

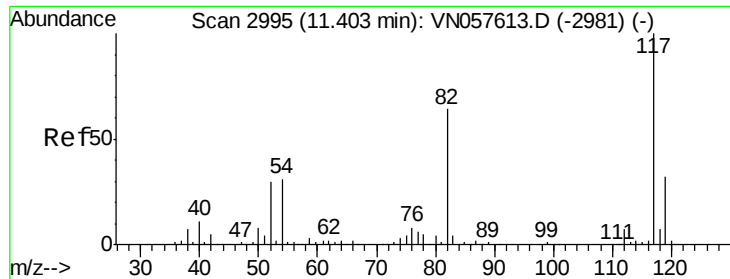
MMDadoda
 9/3/2019 11:52:26 AM



#62
 4-Bromofluorobenzene
 Concen: 47.853 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	134.8
176	66.2	0.0	131.6





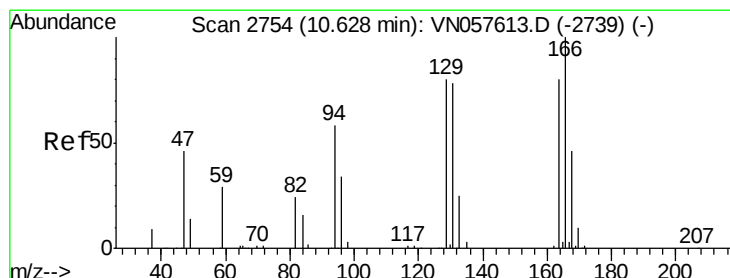
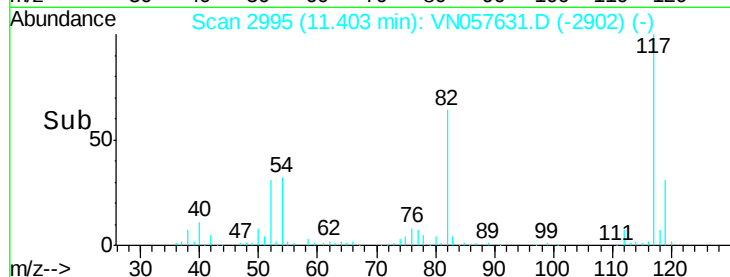
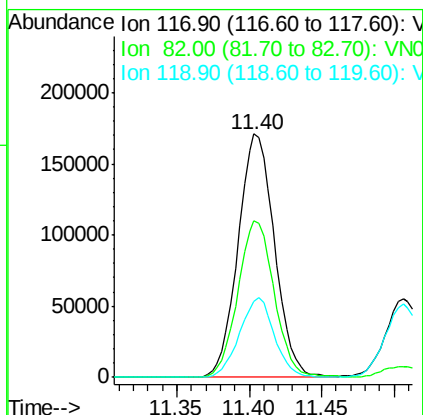
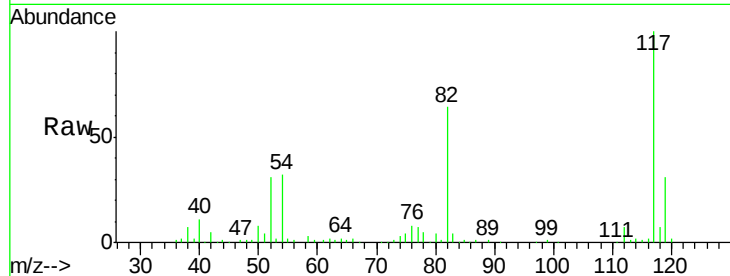
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.6	77.4
119	31.5	25.8	38.6

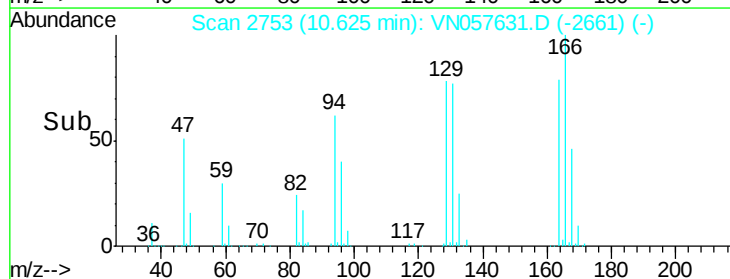
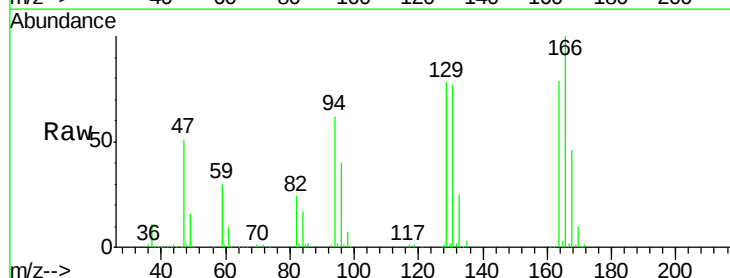
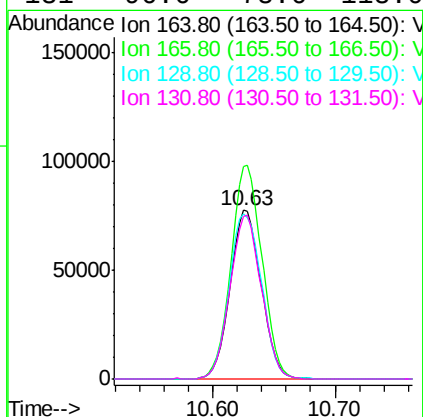
Manual Integrations
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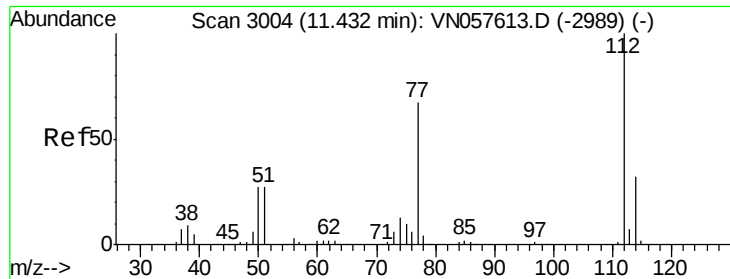
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#64
Tetrachloroethene
Concen: 52.963 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.6	151.0
129	97.7	80.4	120.6
131	96.6	78.6	118.0





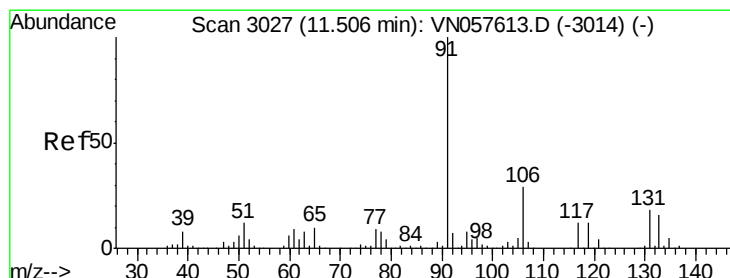
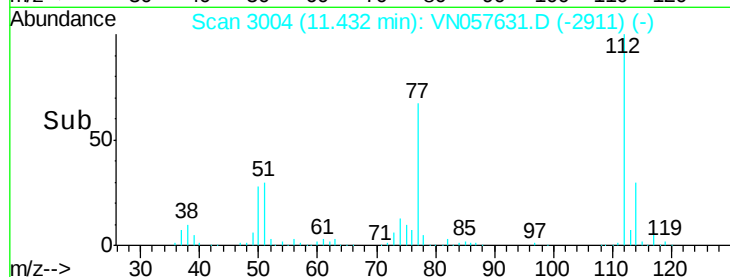
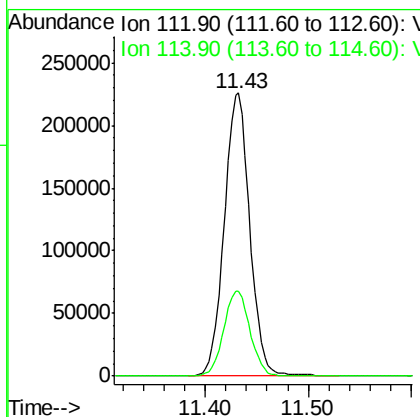
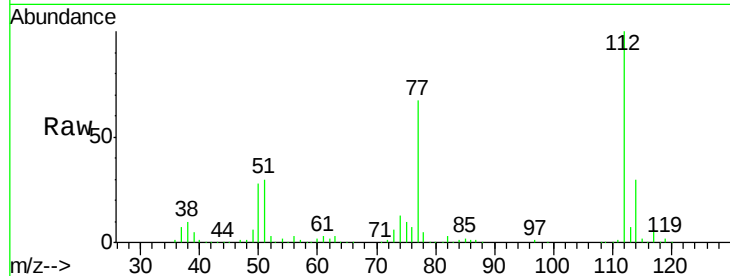
#65
Chlorobenzene
Concen: 51.885 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 389368
Ion Ratio Lower Upper
112 100
114 30.0 25.3 37.9

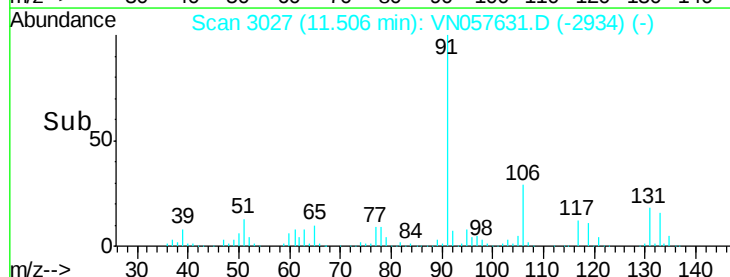
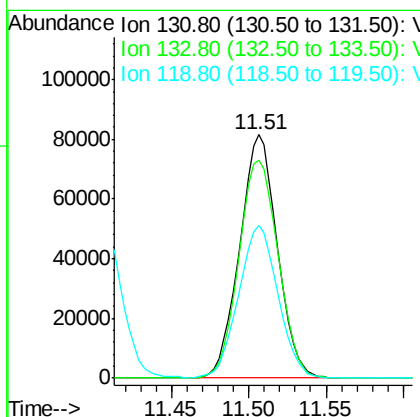
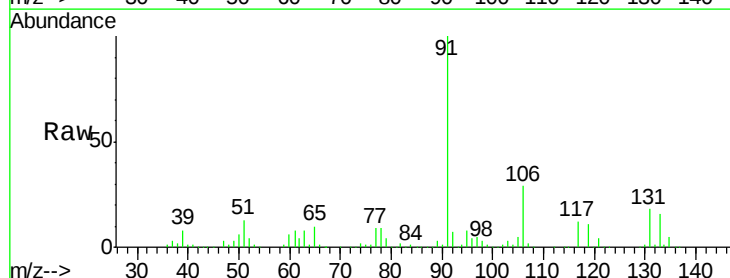
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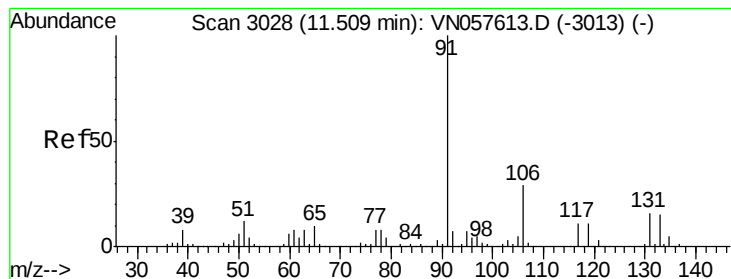
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.744 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion:131 Resp: 138045
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.4
119 65.5 33.9 101.6





#67

Ethyl Benzene

Concen: 53.636 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 782067

Ion Ratio Lower Upper

91 100

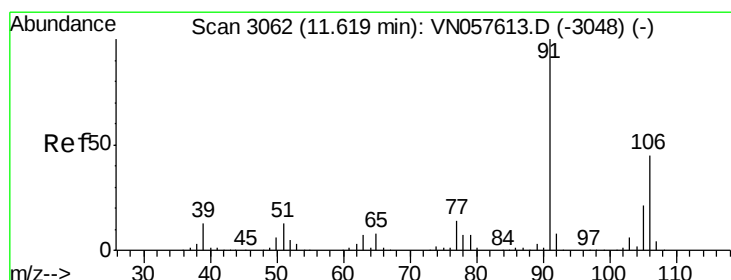
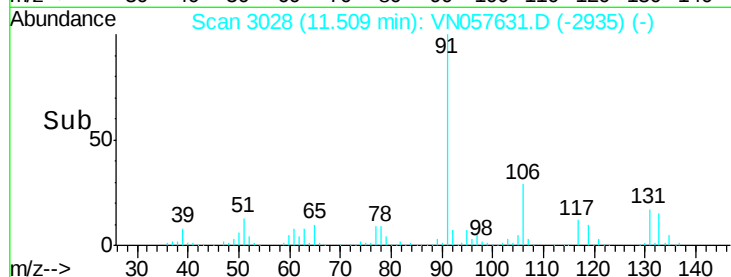
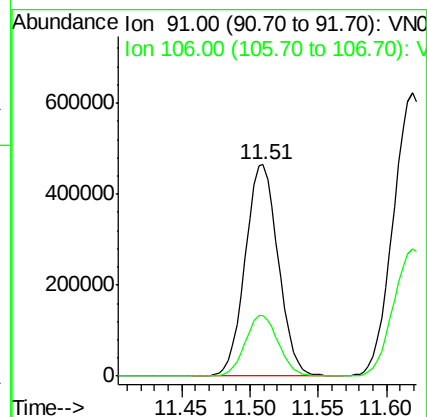
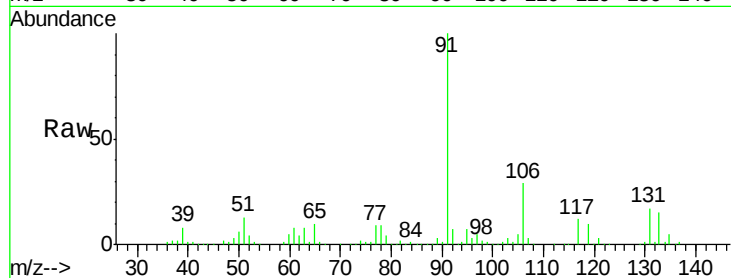
106 28.6 22.9 34.3

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#68

m/p-Xylenes

Concen: 104.911 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057631.D

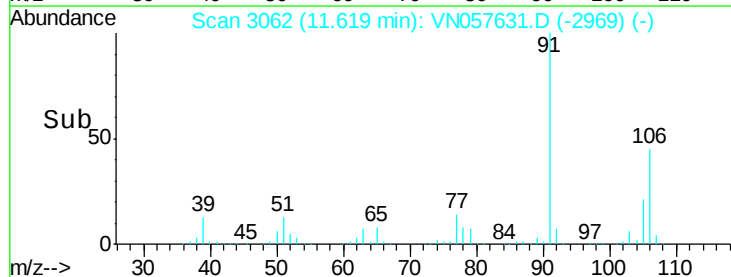
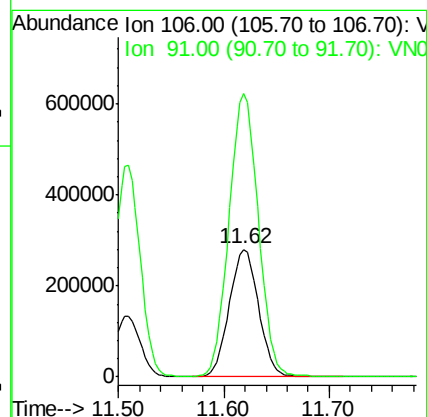
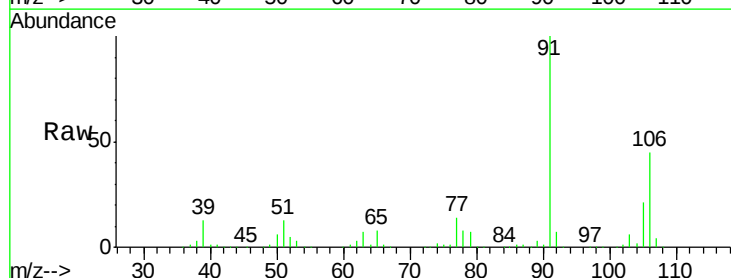
Acq: 31 Aug 2019 22:30

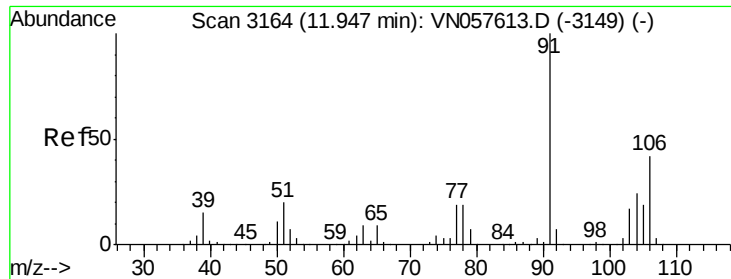
Tgt Ion: 106 Resp: 538912

Ion Ratio Lower Upper

106 100

91 222.7 176.2 264.2





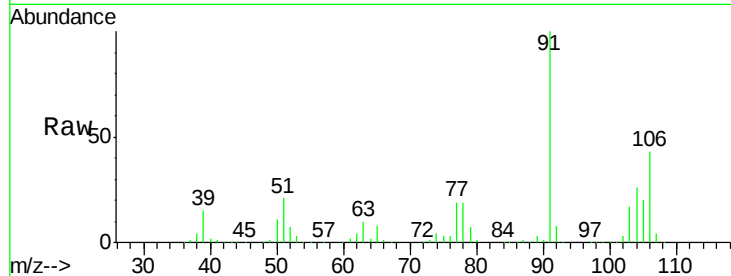
#69
o-Xylene
Concen: 52.220 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

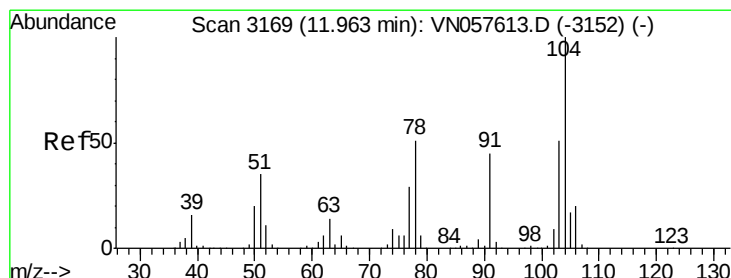
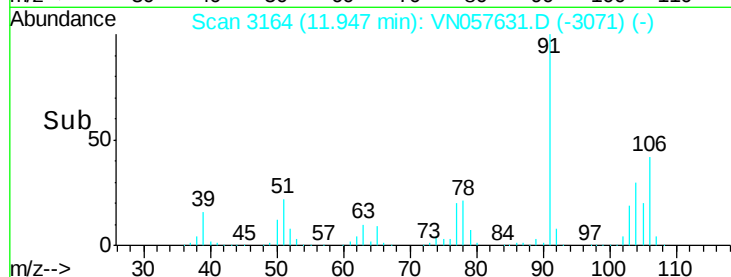
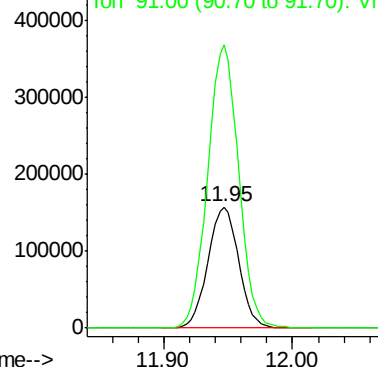
Tot Ion:106 Resp: 259965
Ion Ratio Lower Upper
106 100
91 236.2 117.3 351.8

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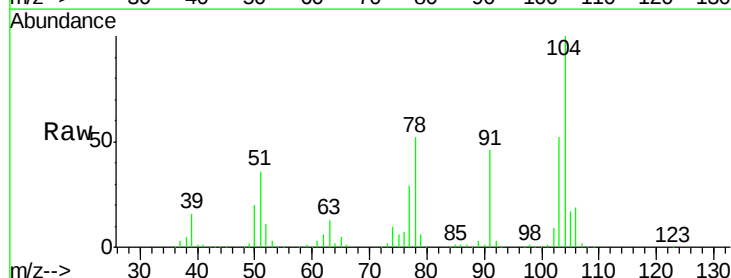


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

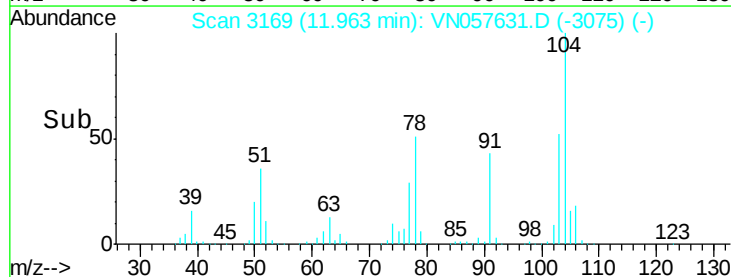
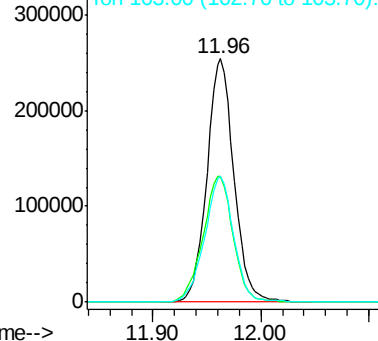


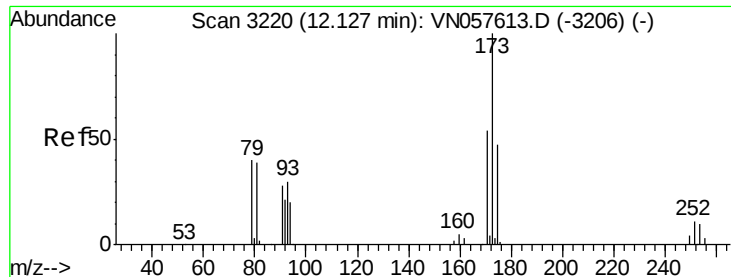
#70
Styrene
Concen: 49.509 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion:104 Resp: 443347
Ion Ratio Lower Upper
104 100
78 57.9 46.6 70.0
103 55.6 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.899 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 85928

Ion Ratio Lower Upper

173 100

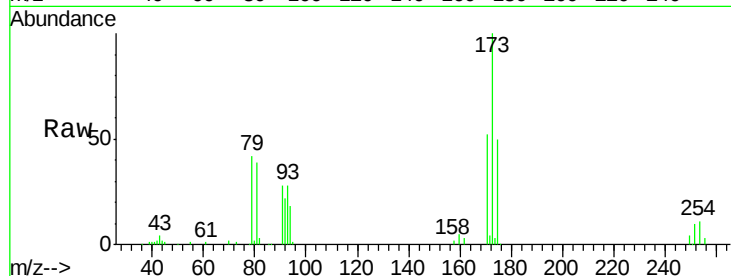
175 49.8 24.4 73.4

254 0.0 0.0 0.0

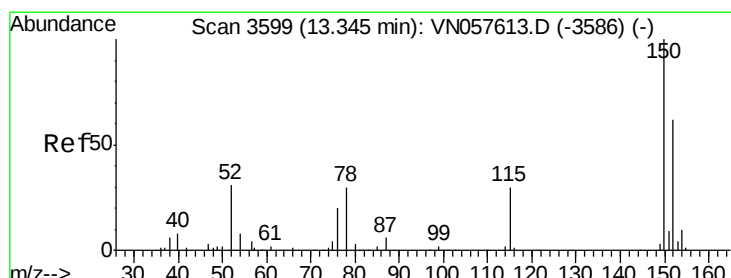
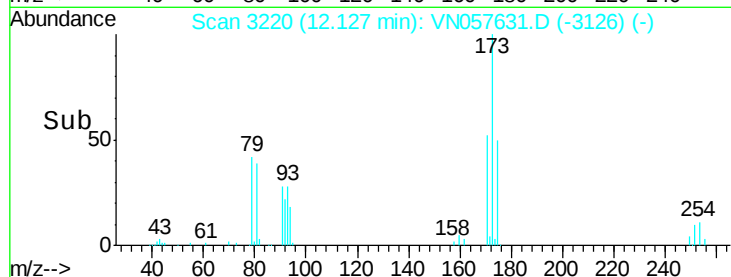
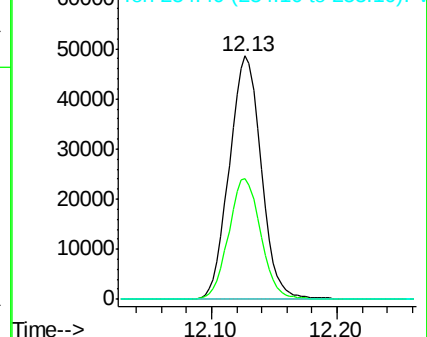
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

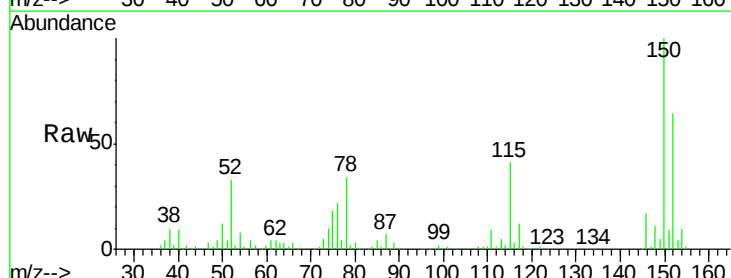
Tgt Ion:152 Resp: 147005

Ion Ratio Lower Upper

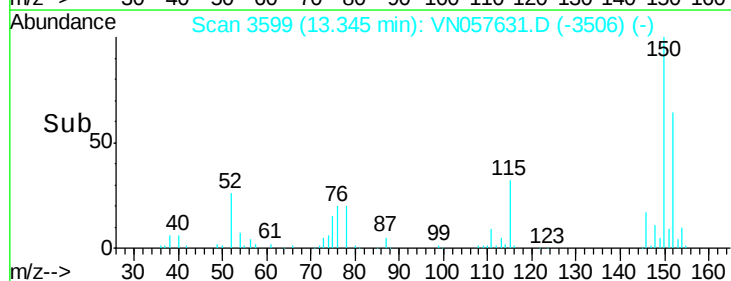
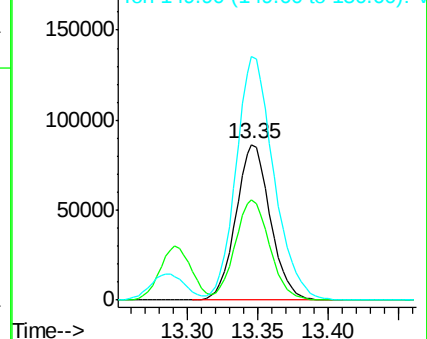
152 100

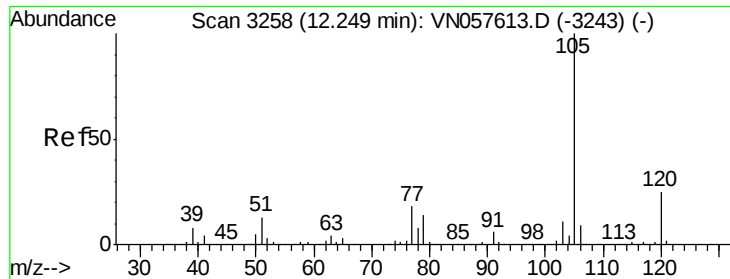
115 65.2 33.2 99.6

150 172.5 0.0 365.2



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





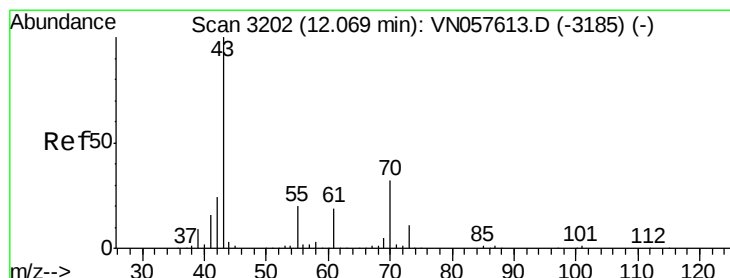
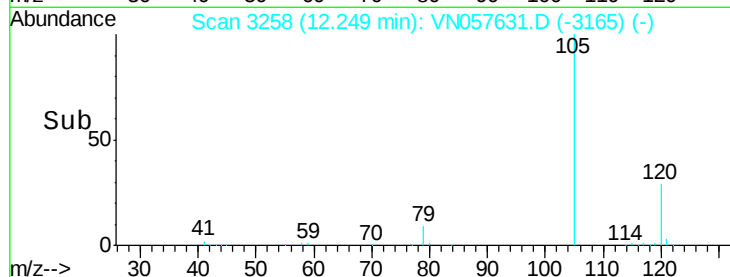
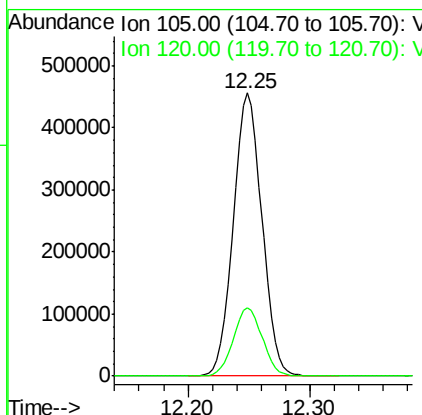
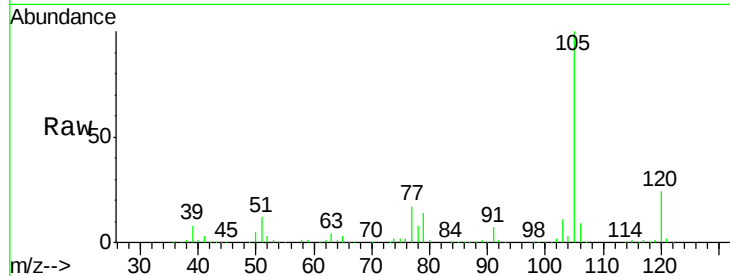
#73
Isopropylbenzene
Concen: 49.948 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 105 Resp: 741331
Ion Ratio Lower Upper
105 100
120 24.4 12.7 38.1

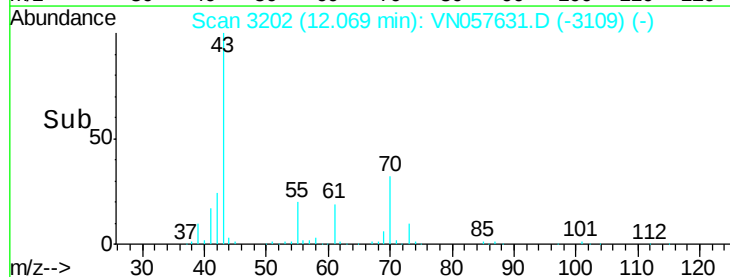
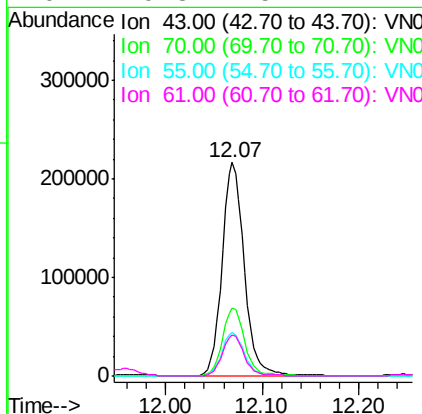
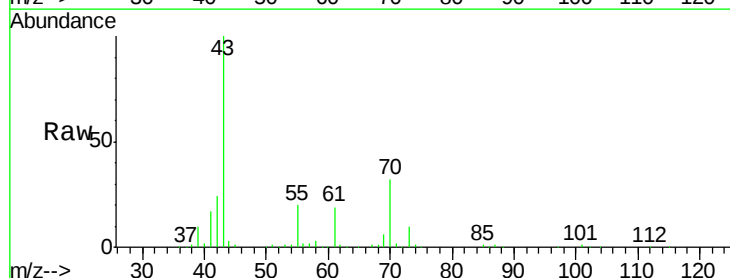
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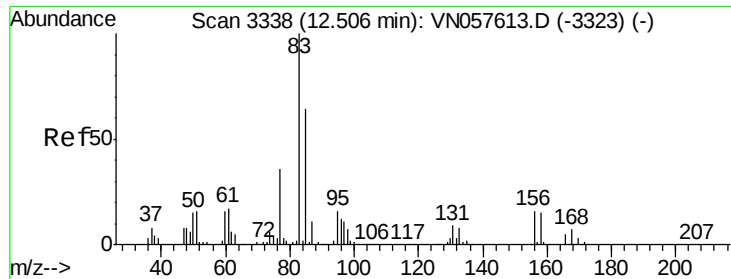
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#74
N-ethyl acetate
Concen: 49.009 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 43 Resp: 343282
Ion Ratio Lower Upper
43 100
70 32.4 26.9 40.3
55 21.0 16.8 25.2
61 19.3 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.133 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

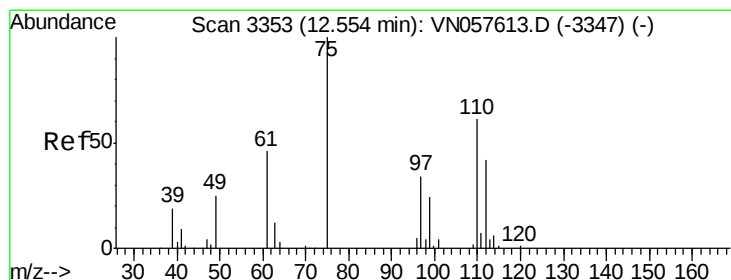
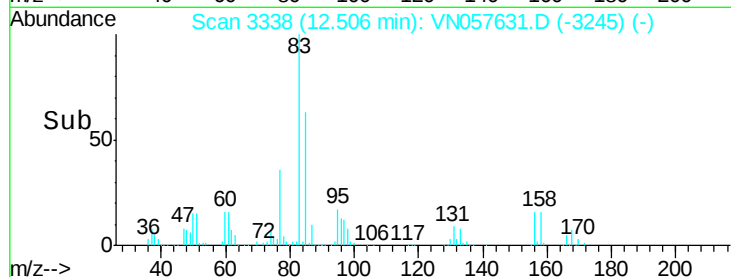
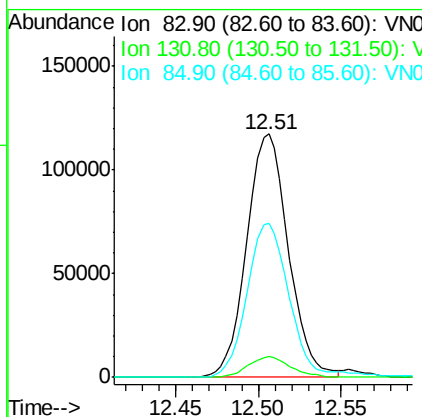
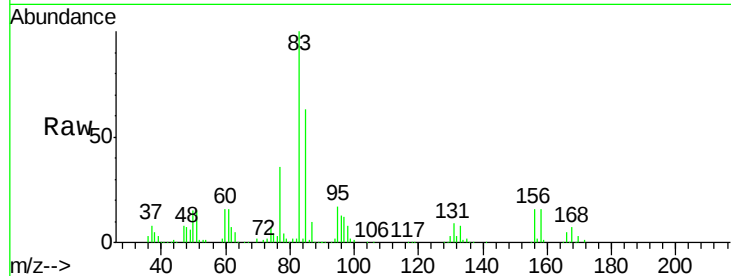
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	206180
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.7
85	64.2	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.425 ug/l m

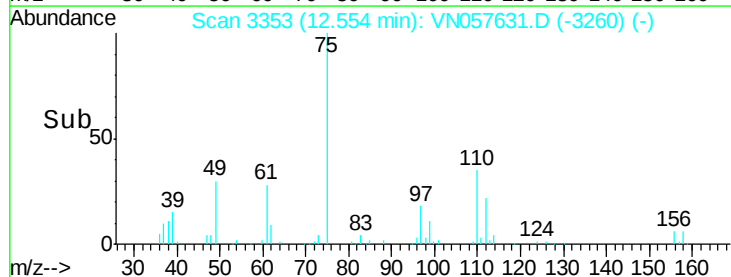
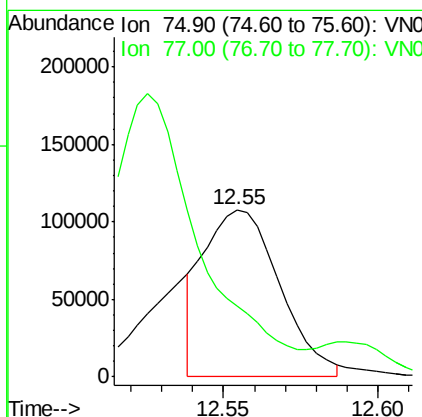
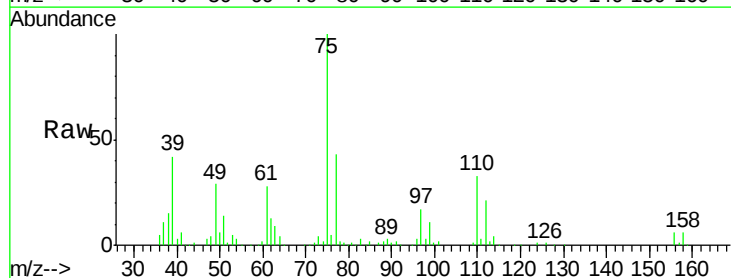
RT: 12.55 min Scan# 3353

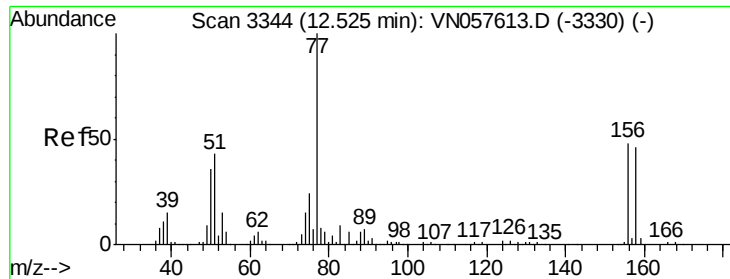
Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	75	Resp:	183387
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.702 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

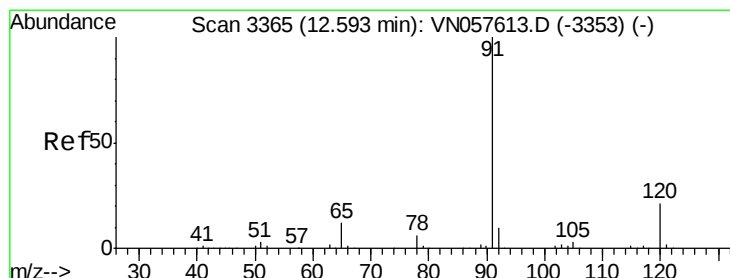
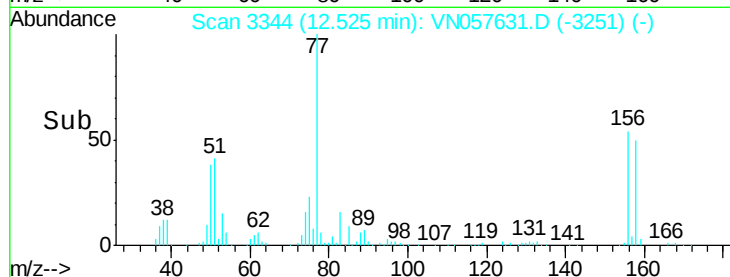
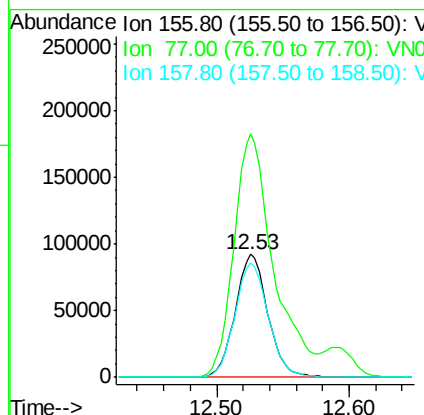
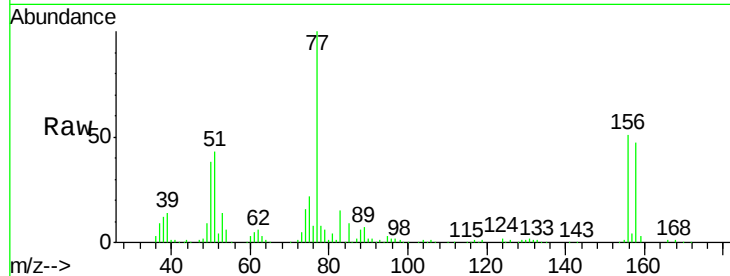
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	241.8	123.5	370.5
158	95.8	47.8	143.3

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#78

n-propylbenzene

Concen: 51.194 ug/l

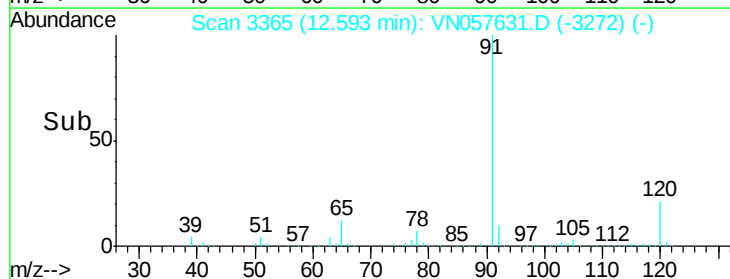
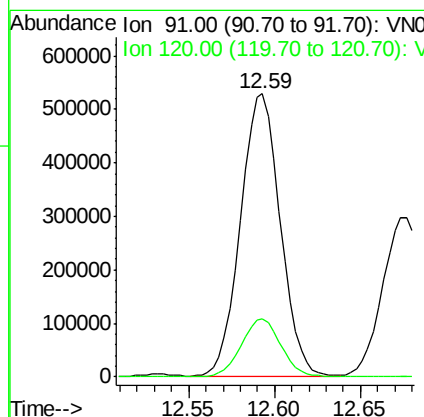
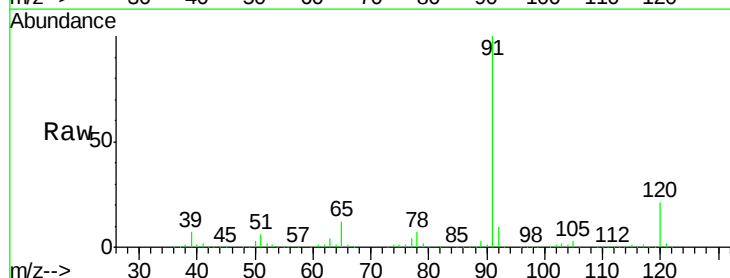
RT: 12.59 min Scan# 3365

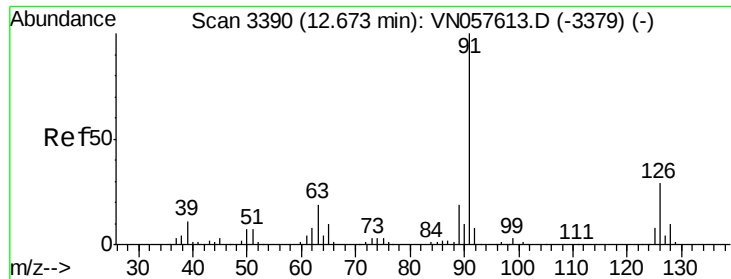
Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.4	31.4





#79

2-Chlorotoluene

Concen: 48.886 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 503568

Ion Ratio Lower Upper

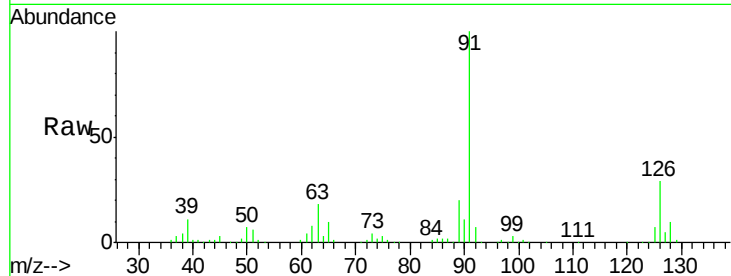
91 100

126 29.8 14.9 44.5

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Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3379) (-)

12.68

300000

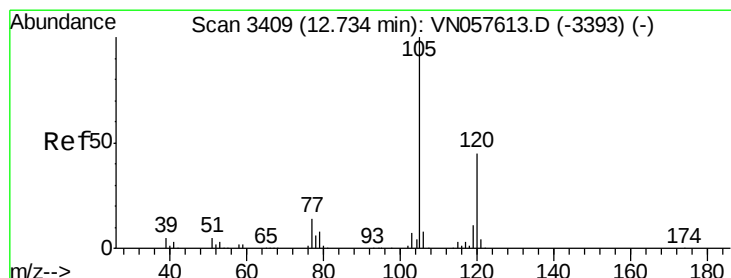
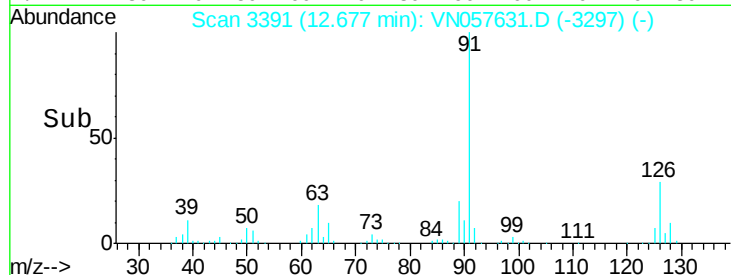
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.388 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057631.D

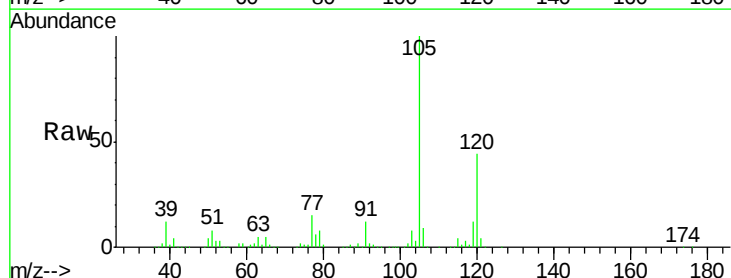
Acq: 31 Aug 2019 22:30

Tgt Ion: 105 Resp: 615255

Ion Ratio Lower Upper

105 100

120 44.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3393) (-)

12.73

400000

300000

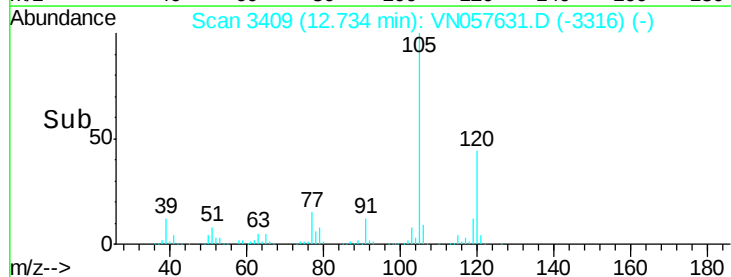
200000

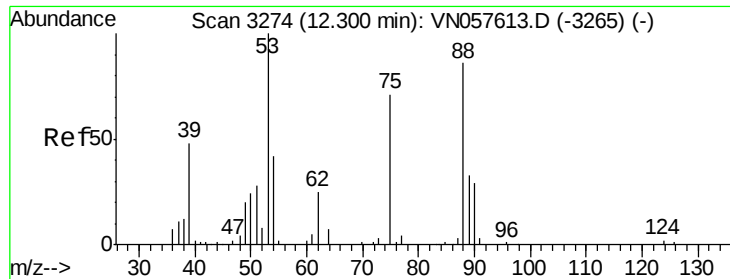
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.663 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 50384

Ion Ratio Lower Upper

75 100

53 134.8 111.0 166.6

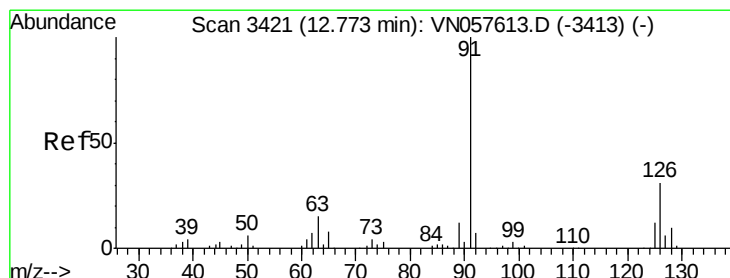
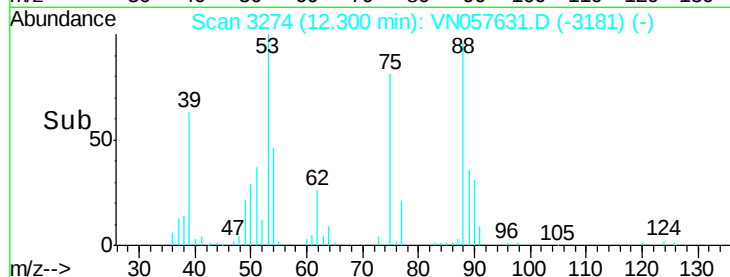
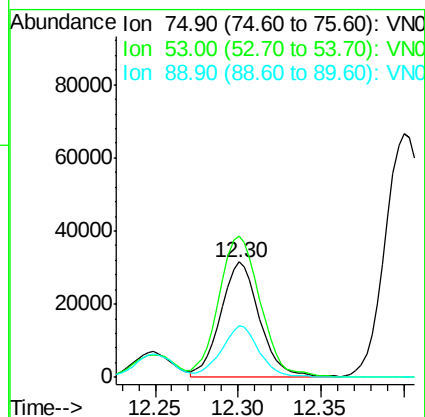
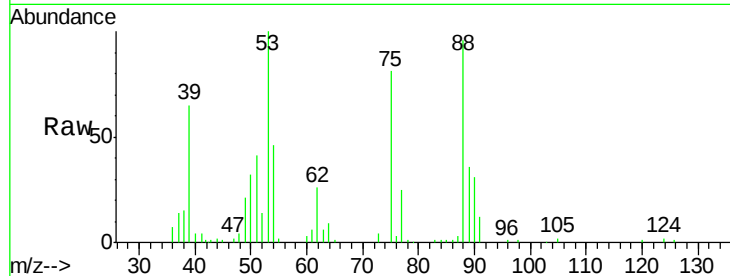
89 44.7 38.3 57.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.161 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057631.D

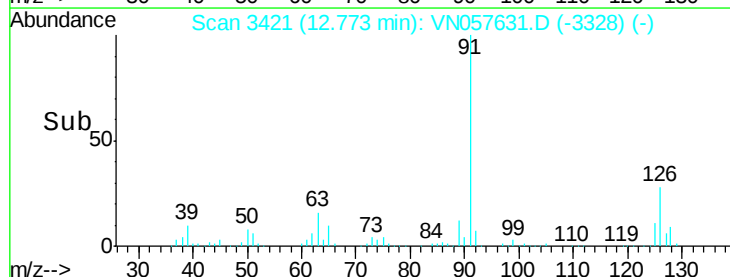
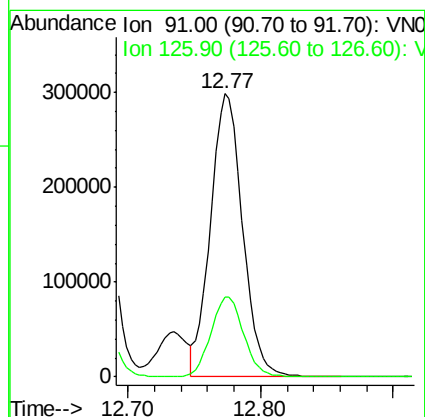
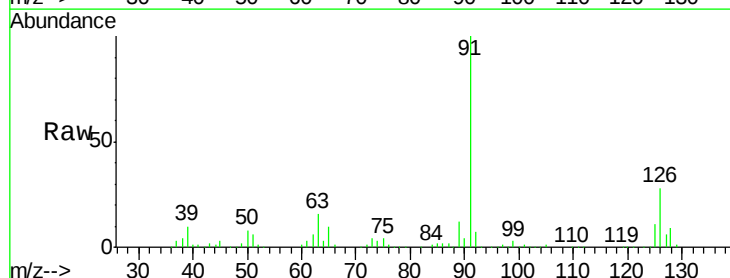
Acq: 31 Aug 2019 22:30

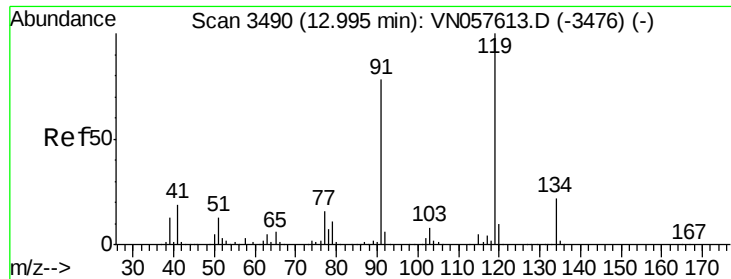
Tgt Ion: 91 Resp: 501264

Ion Ratio Lower Upper

91 100

126 28.9 14.4 43.2





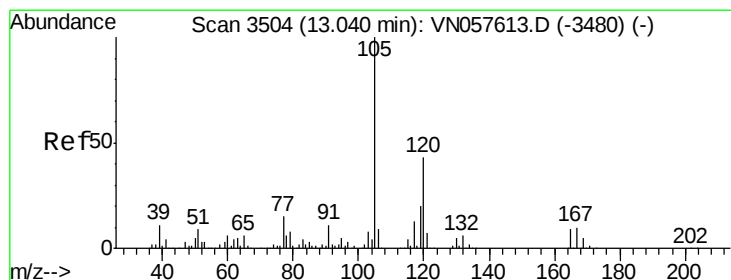
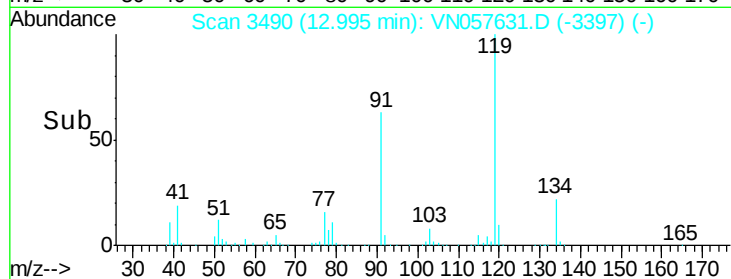
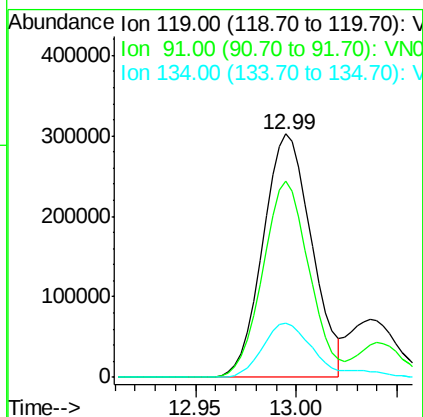
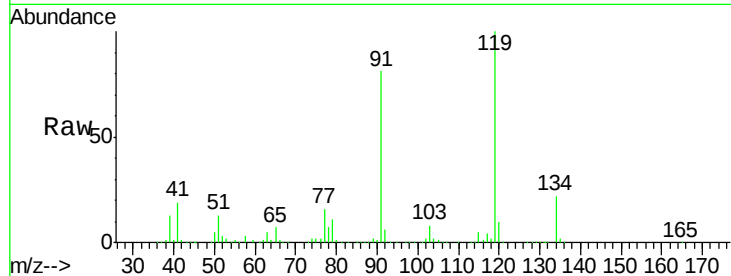
#83
tert-Butylbenzene
Concen: 49.014 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.1	38.3	114.9
134	24.4	11.3	33.8

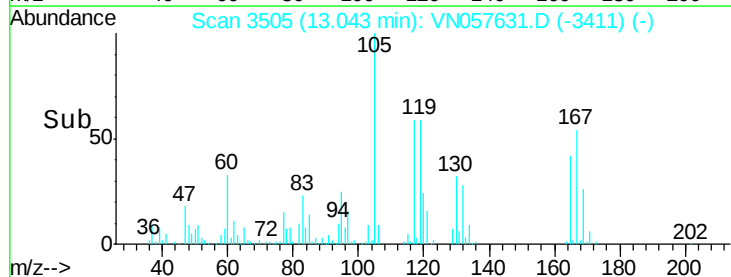
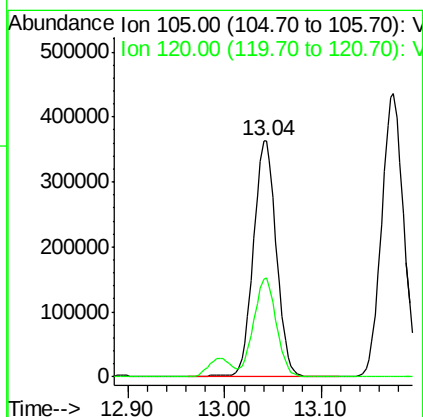
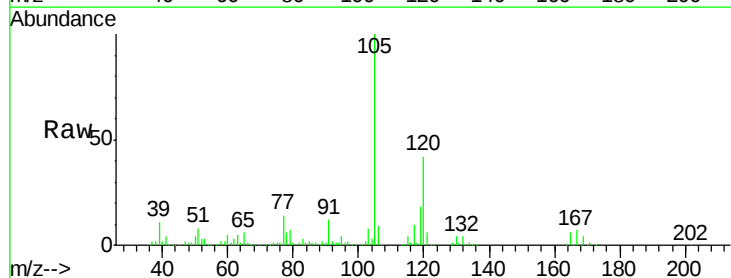
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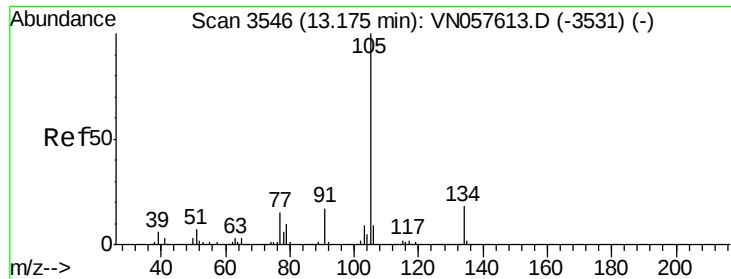
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#84
1,2,4-Trimethylbenzene
Concen: 50.524 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.4	20.8	62.5





#85

sec-Butylbenzene

Concen: 49.436 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 688921

Ion Ratio Lower Upper

105 100

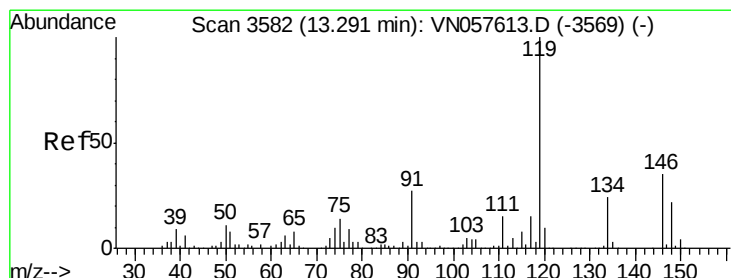
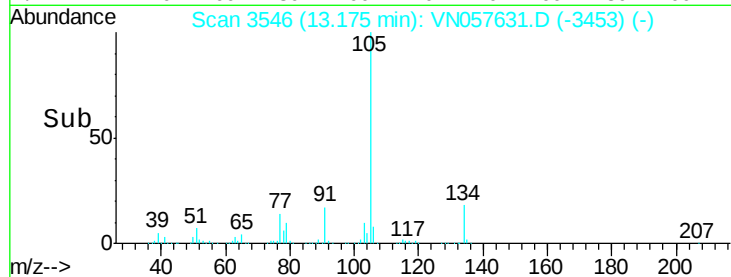
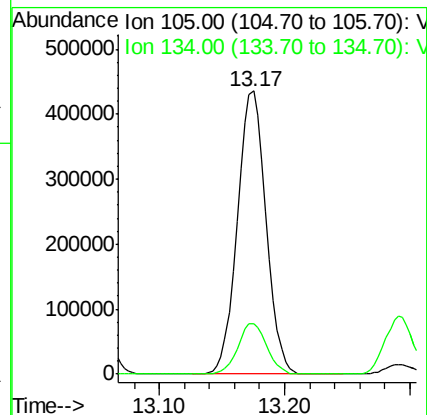
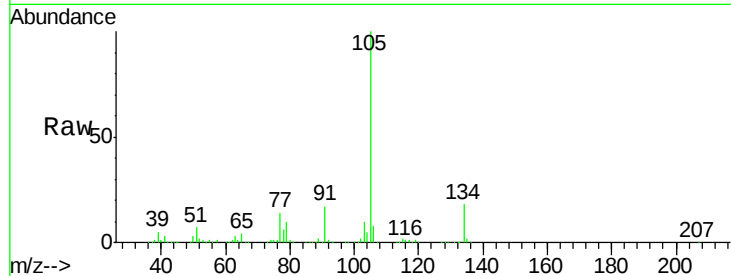
134 18.0 8.9 26.8

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#86

p-Isopropyltoluene

Concen: 50.627 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

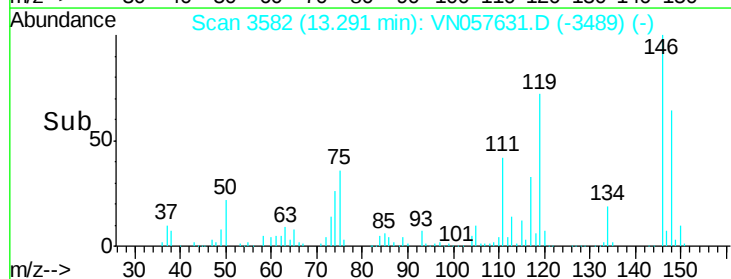
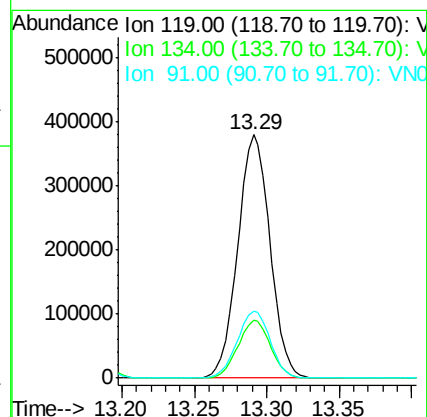
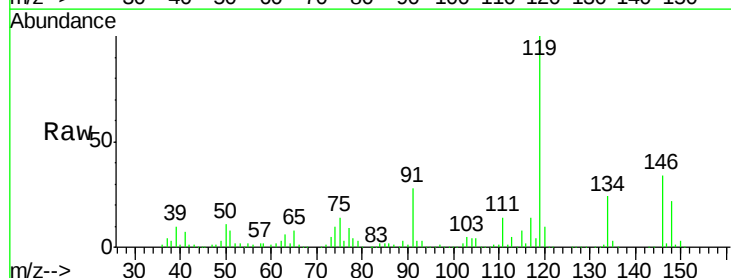
Tgt Ion:119 Resp: 583468

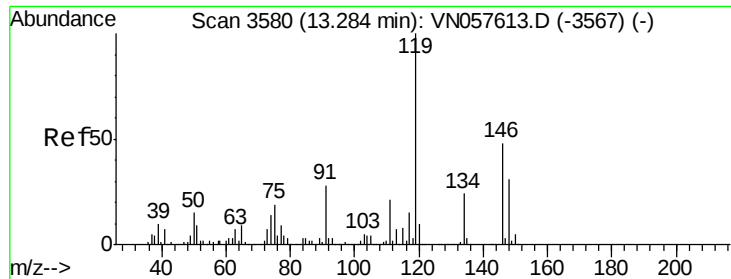
Ion Ratio Lower Upper

119 100

134 24.1 11.9 35.5

91 28.3 13.7 41.0





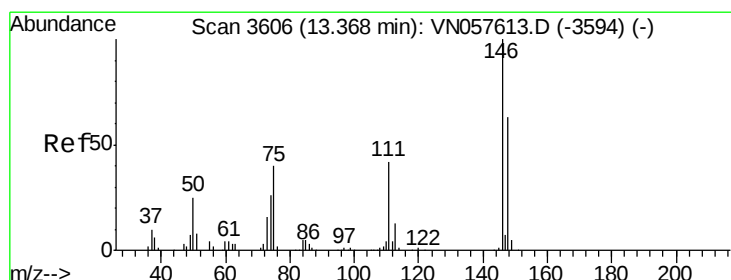
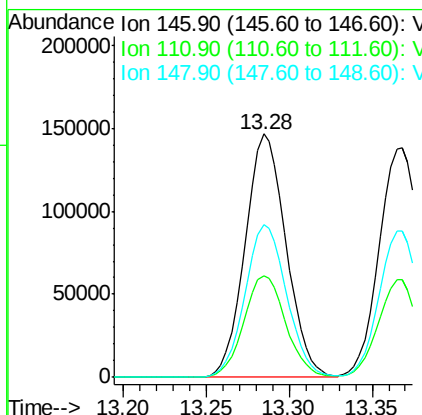
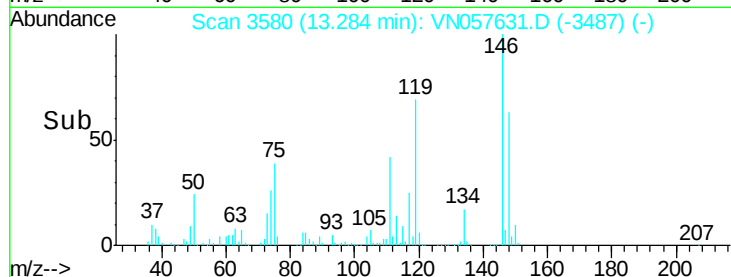
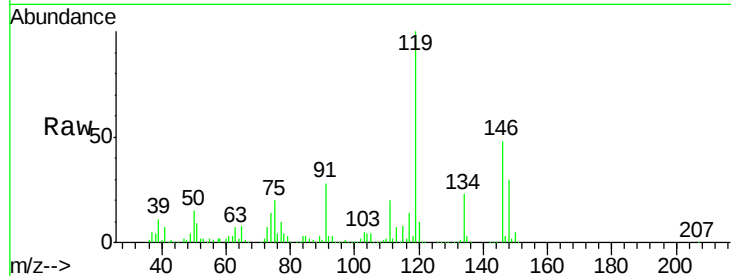
#87
 1,3-Dichlorobenzene
 Concen: 48.913 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	251723		
111	42.7	21.8	65.3	
148	63.7	31.4	94.2	

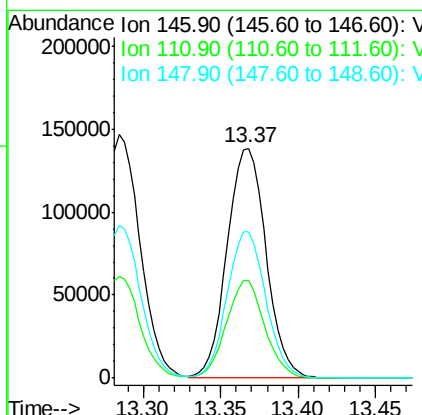
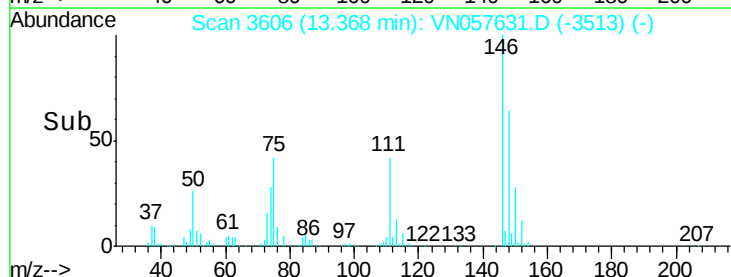
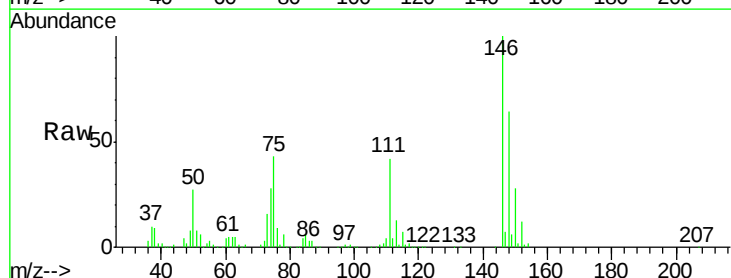
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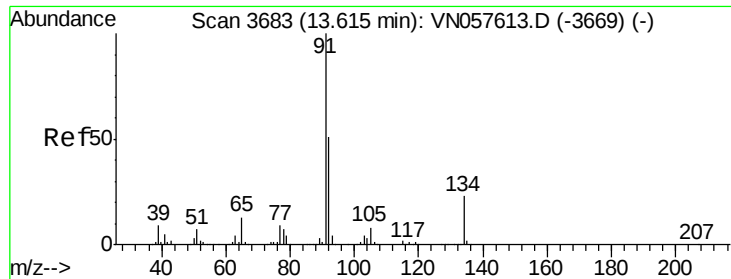
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#88
 1,4-Dichlorobenzene
 Concen: 48.704 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242116		
111	41.9	21.6	65.0	
148	63.6	32.2	96.6	





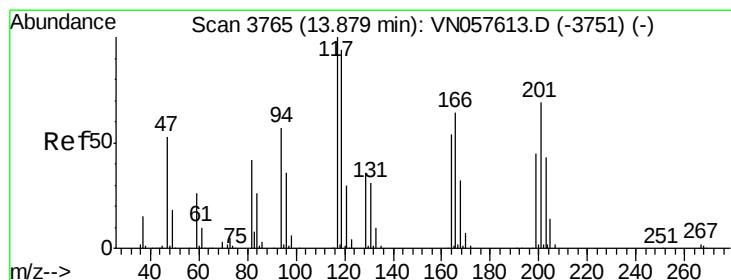
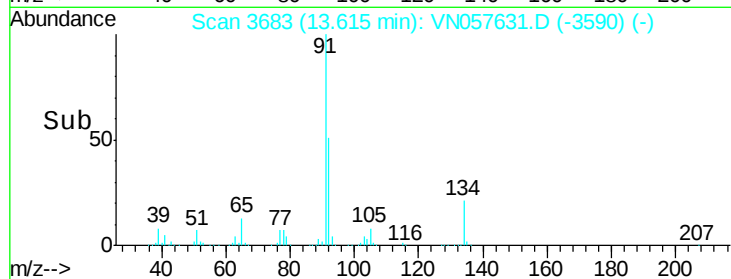
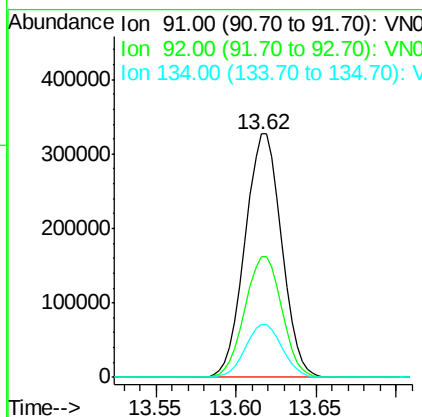
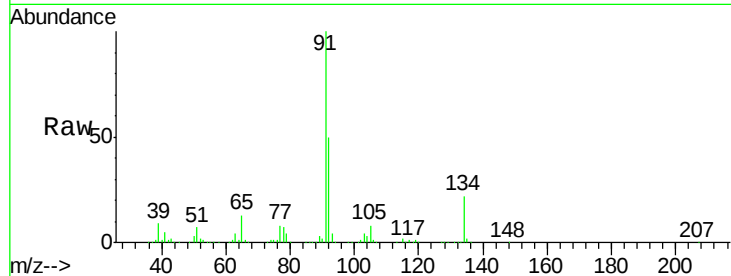
#89
n-Butylbenzene
Concen: 47.225 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	25.4	76.0
134	21.9	11.0	33.0

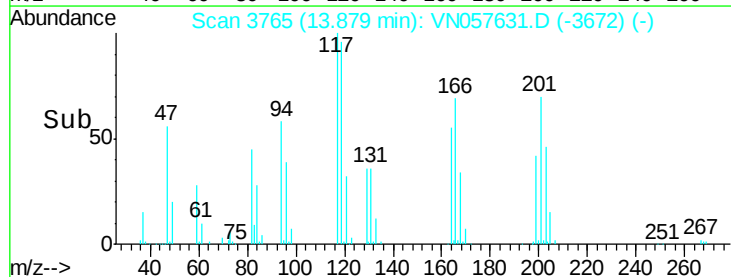
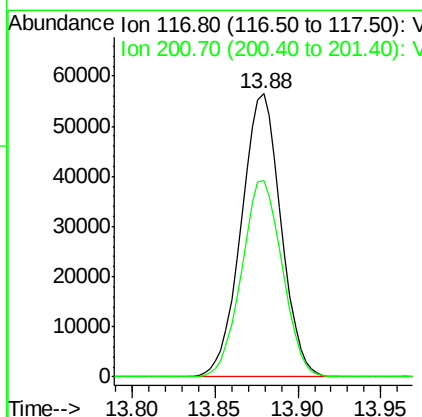
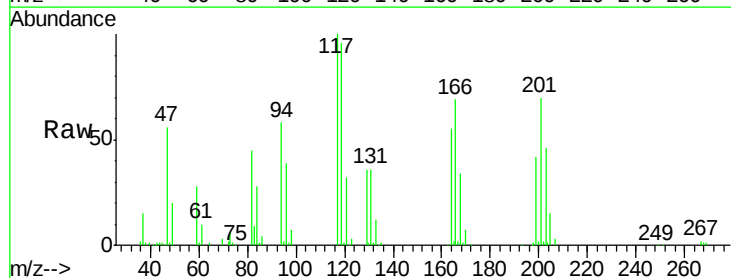
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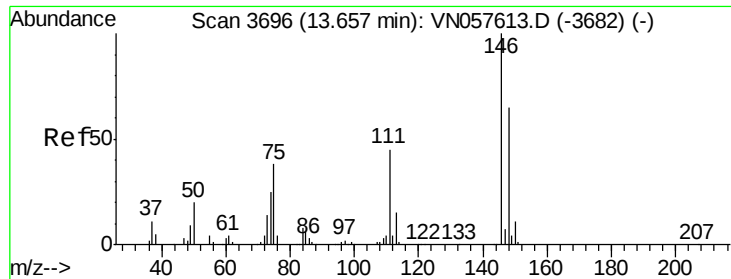
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#90
Hexachloroethane
Concen: 46.952 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	34.4	103.2





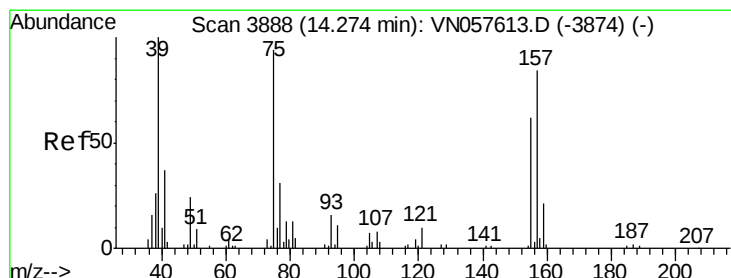
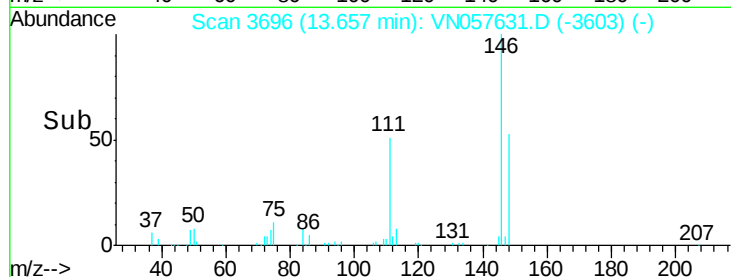
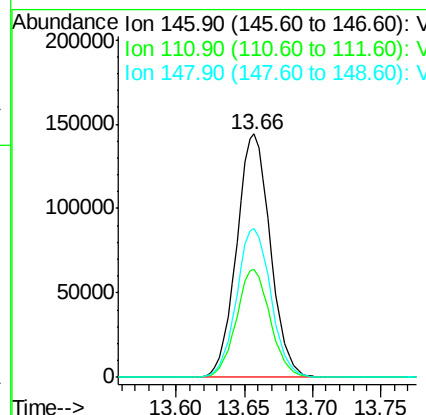
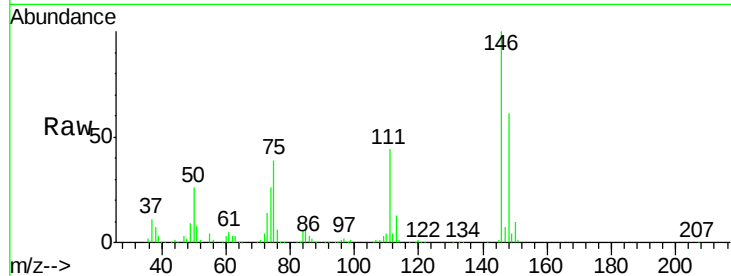
#91
 1,2-Dichlorobenzene
 Concen: 50.316 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.5
148	62.4	31.6	94.7

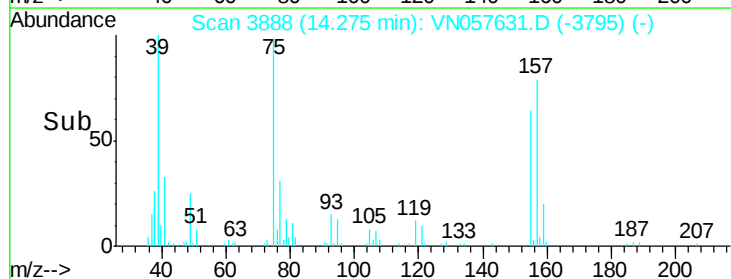
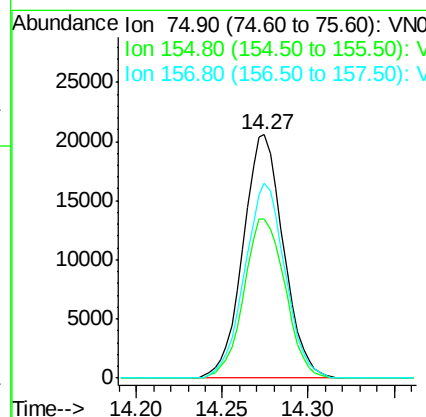
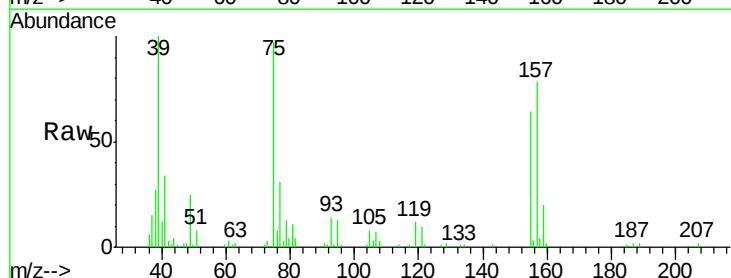
Manual Integrations
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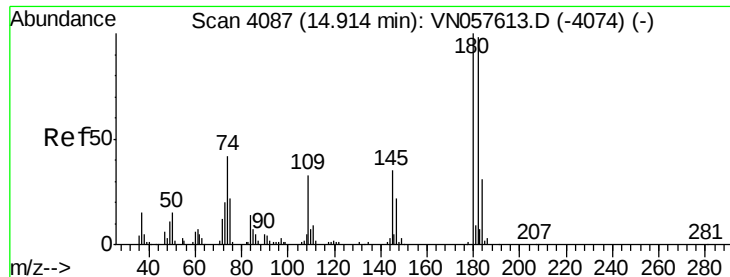
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.958 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.4	30.1	90.5
157	80.1	41.4	124.4





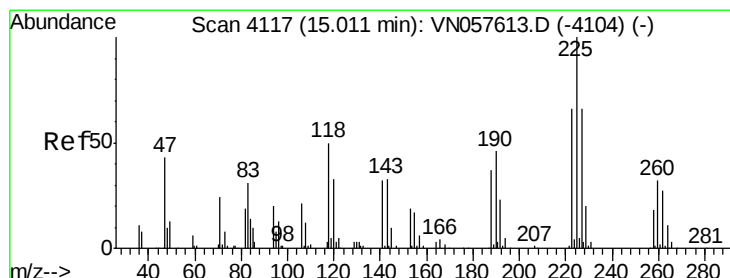
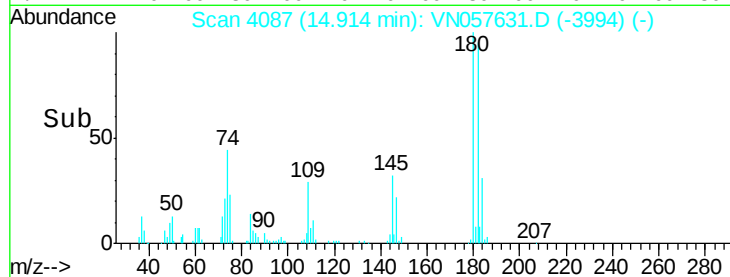
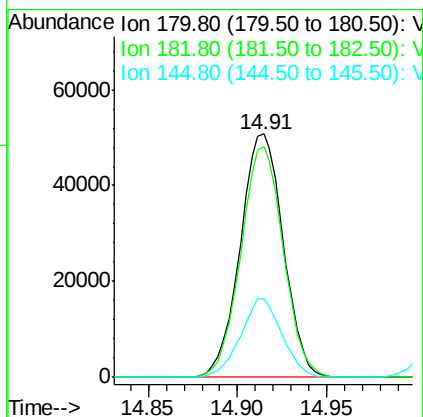
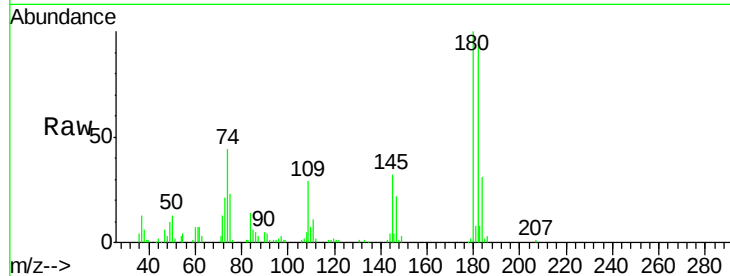
#93
 1,2,4-Trichlorobenzene
 Concen: 41.649 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	85234		
182	93.8	47.8	143.3	
145	31.0	16.9	50.7	

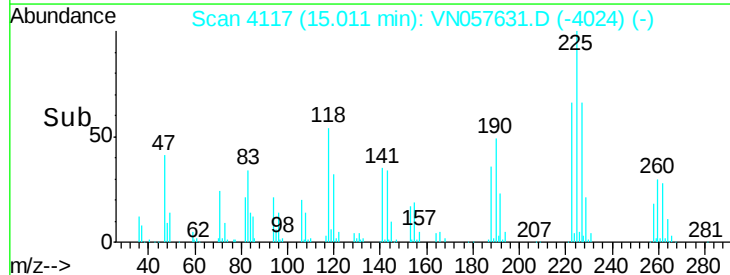
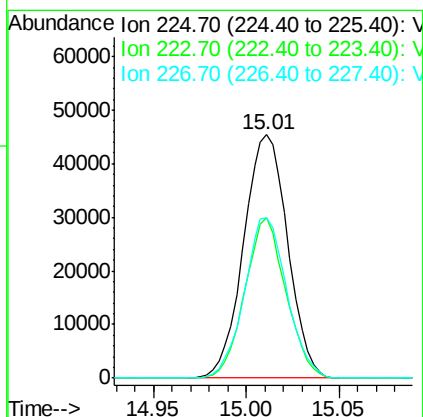
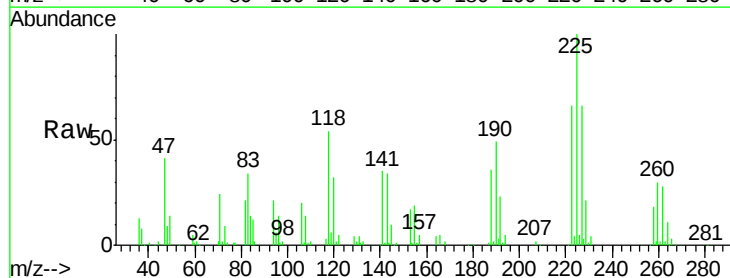
Manual Integrations
 APPROVED

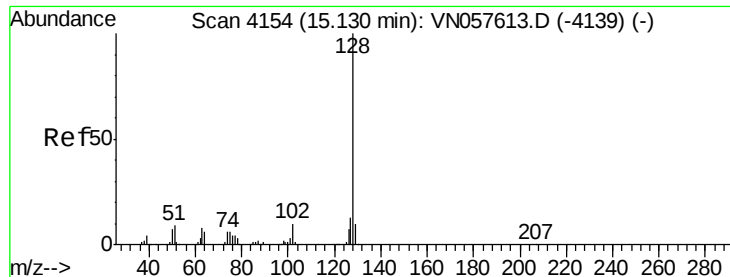
MMDadoda
 9/3/2019 11:52:26 AM



#94
 Hexachlorobutadiene
 Concen: 44.621 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75198		
223	61.0	32.3	96.8	
227	63.6	32.4	97.2	





#95

Naphthalene

Concen: 43.086 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

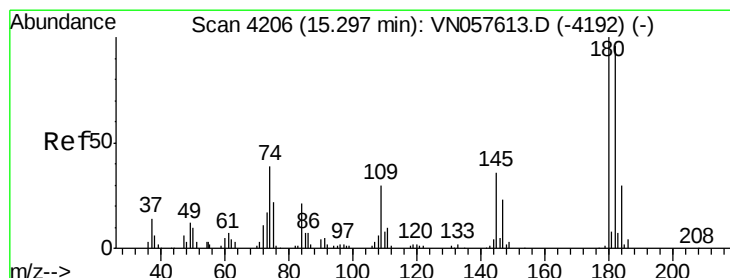
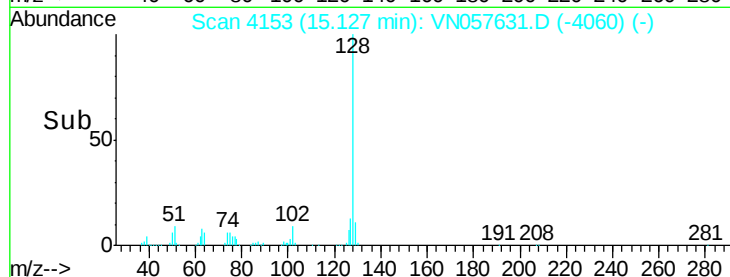
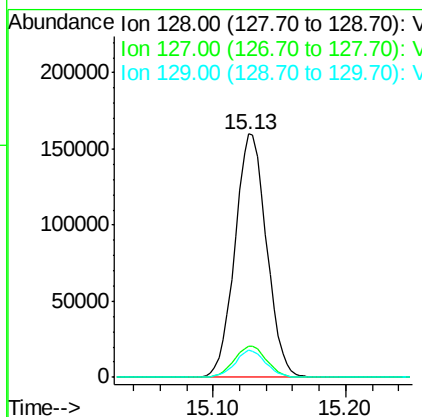
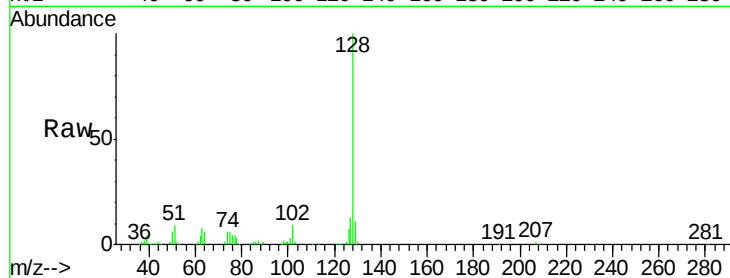
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	264383
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:52:26 AM



#96

1,2,3-Trichlorobenzene

Concen: 39.999 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:	180	Resp:	81377
Ion Ratio	Lower	Upper	
180	100		
182	99.7	46.3	138.9
145	36.7	17.8	53.3

