

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063261.D
 Acq On : 5 Sep 2020 1:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:33:05 PM

Quant Time: Sep 07 02:11:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	261200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	526583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	507633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	230643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	226908	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.55	113	168067	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.06	98	606726	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
62) 4-Bromofluorobenzene	12.38	95	216672	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88112	34.253	ug/l	99
3) Chloromethane	2.03	50	169263	45.188	ug/l	99
4) Vinyl Chloride	2.16	62	172500	41.690	ug/l	97
5) Bromomethane	2.53	94	191638	55.022	ug/l	100
6) Chloroethane	2.67	64	173245	52.660	ug/l	94
7) Trichlorofluoromethane	2.98	101	256534	44.517	ug/l	100
8) Diethyl Ether	3.37	74	107455	54.278	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	114169	40.595	ug/l	99
10) Methyl Iodide	3.91	142	185143	48.268	ug/l	99
11) Tert butyl alcohol	4.72	59	144481	275.662	ug/l	99
12) 1,1-Dichloroethene	3.69	96	124600	43.479	ug/l	92
13) Acrolein	3.56	56	52285	261.265	ug/l	98
14) Allyl chloride	4.27	41	245287	48.194	ug/l	96
15) Acrylonitrile	4.92	53	419962	285.706	ug/l	98
16) Acetone	3.77	43	361264	297.631	ug/l	97
17) Carbon Disulfide	4.01	76	340986	39.976	ug/l	98
18) Methyl Acetate	4.27	43	200393	64.389	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	597379	56.192	ug/l	97
20) Methylene Chloride	4.50	84	191049	56.036	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	162148	51.213	ug/l	90
22) Diisopropyl ether	5.89	45	630796	55.307	ug/l	98
23) Vinyl Acetate	5.84	43	2662415	292.555	ug/l	99
24) 1,1-Dichloroethane	5.79	63	327200	52.039	ug/l	98
25) 2-Butanone	6.78	43	564619	300.418	ug/l	100
26) 2,2-Dichloropropane	6.77	77	199485	35.017	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	208845	54.268	ug/l	93
28) Bromochloromethane	7.14	49	176556	53.747	ug/l	99
29) Tetrahydrofuran	7.16	42	382844	294.597	ug/l	99
30) Chloroform	7.33	83	360121	54.744	ug/l	99
31) Cyclohexane	7.61	56	202202	36.002	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	269503	47.544	ug/l	99
36) 1,1-Dichloropropene	7.75	75	217509	42.966	ug/l	98
37) Ethyl Acetate	6.87	43	252327	52.765	ug/l #	95
38) Carbon Tetrachloride	7.73	117	207679	40.453	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	188177	33.088	ug/l	100
40) Benzene	8.00	78	753724	50.666	ug/l	98
41) Methacrylonitrile	7.13	41	116849m	54.791	ug/l	
42) 1,2-Dichloroethane	8.08	62	308222	55.466	ug/l	100
43) Isopropyl Acetate	8.12	43	452446	54.803	ug/l	99
44) Trichloroethene	8.80	130	186343	51.642	ug/l	95
45) 1,2-Dichloropropane	9.08	63	200426	50.886	ug/l	100
46) Dibromomethane	9.17	93	147224	56.404	ug/l	98
47) Bromodichloromethane	9.37	83	300268	53.669	ug/l	99
48) Methyl methacrylate	9.16	41	209207	56.212	ug/l	94
49) 1,4-Dioxane	9.16	88	63338	1100.293	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1368586	305.059	ug/l	100
52) Toluene	10.12	92	466372	50.326	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	311026	50.822	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	326196	50.778	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	203680	57.391	ug/l	99
56) Ethyl methacrylate	10.40	69	303516	56.196	ug/l	100
57) 1,3-Dichloropropane	10.68	76	350179	55.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	734715	262.696	ug/l	99
59) 2-Hexanone	10.72	43	987208	313.110	ug/l	99
60) Dibromochloromethane	10.87	129	220403	56.173	ug/l	98
61) 1,2-Dibromoethane	10.97	107	211340	57.285	ug/l	97
64) Tetrachloroethene	10.60	164	176288	48.360	ug/l	95
65) Chlorobenzene	11.41	112	495795	48.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	191146	50.354	ug/l	100
67) Ethyl Benzene	11.48	91	872566	46.781	ug/l	97
68) m/p-Xylenes	11.59	106	638469	92.422	ug/l	99
69) o-Xylene	11.92	106	323684	48.502	ug/l	99
70) Styrene	11.94	104	572278	49.897	ug/l	100
71) Bromoform	12.10	173	139044	53.973	ug/l #	97
73) Isopropylbenzene	12.23	105	783014	44.263	ug/l	99
74) N-amyl acetate	12.05	43	410148	55.974	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	277233	54.358	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	234079m	51.654	ug/l	
77) Bromobenzene	12.50	156	203555	50.879	ug/l	98
78) n-propylbenzene	12.57	91	886637	43.313	ug/l	100
79) 2-Chlorotoluene	12.65	91	569245	46.429	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	648504	44.042	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	85207	45.446	ug/l	98
82) 4-Chlorotoluene	12.75	91	595090	46.799	ug/l	100
83) tert-Butylbenzene	12.97	119	510375	40.416	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	690185	46.503	ug/l	97
85) sec-Butylbenzene	13.15	105	656424	39.885	ug/l	99
86) p-Isopropyltoluene	13.26	119	603714	41.317	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	360345	49.029	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	363489	47.763	ug/l	99
89) n-Butylbenzene	13.59	91	519093	38.455	ug/l	99
90) Hexachloroethane	13.85	117	101639	37.576	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	370210	51.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	58819	52.458	ug/l	99

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VSTDCCC050

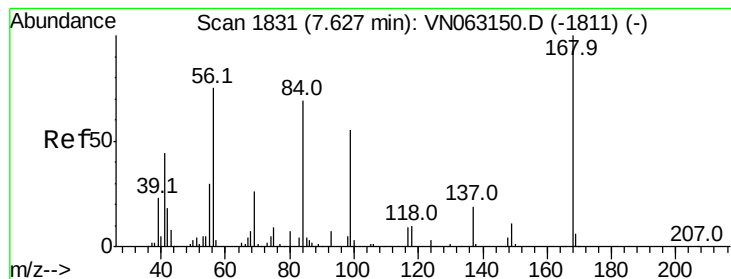
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	178787	44.869	ug/l	98
94) Hexachlorobutadiene	14.98	225	51009	34.268	ug/l	95
95) Naphthalene	15.10	128	758751	57.074	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	173981	44.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 261200

Ion Ratio Lower Upper

168 100

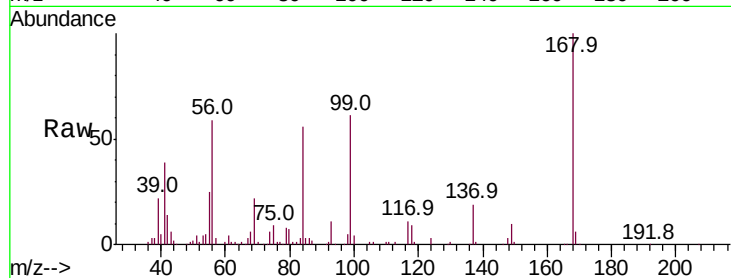
99 60.5 54.2 81.2

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

7.62

120000

100000

80000

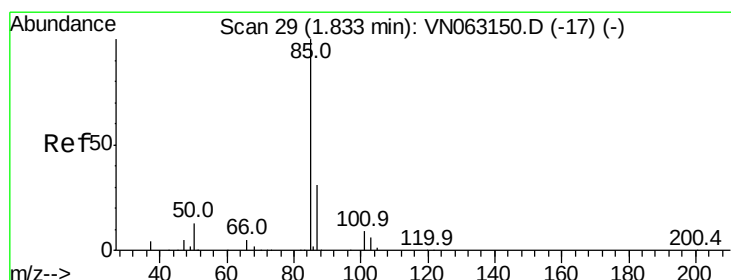
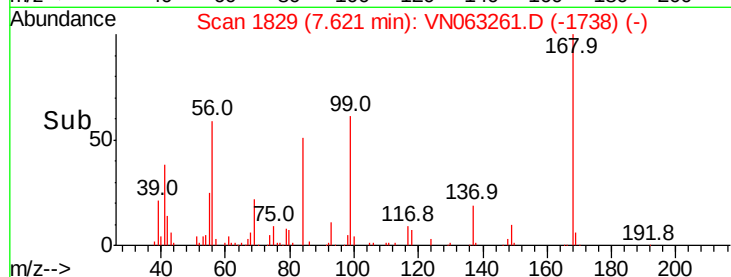
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 34.253 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063261.D

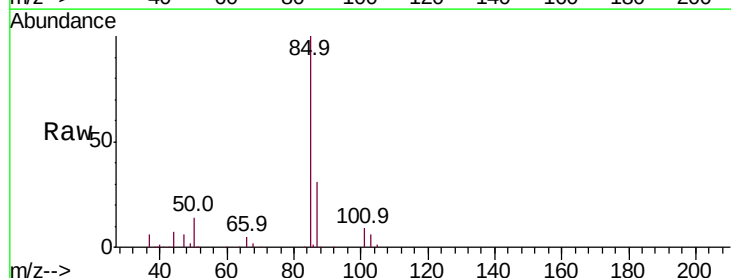
Acq: 5 Sep 2020 1:09

Tgt Ion: 85 Resp: 88112

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

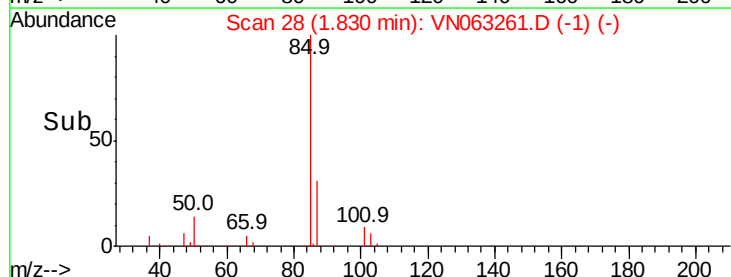
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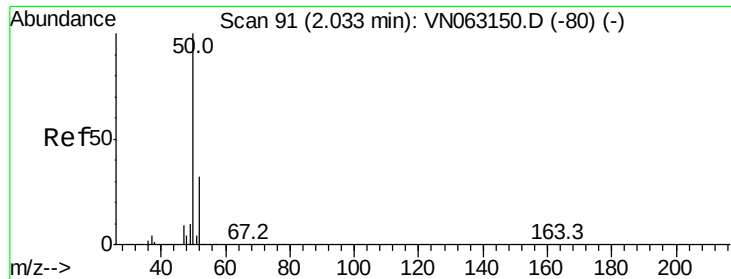
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.188 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tot Ion: 50 Resp: 169263

Ion Ratio Lower Upper

50 100

52 33.0 25.8 38.6

Instrument :

MSVOA_N

ClientSampleId :

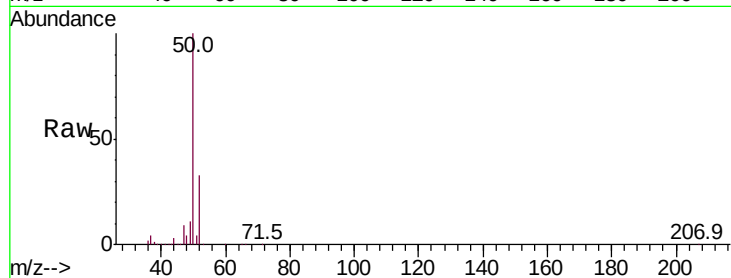
VSTDCCC050

Manual Integrations

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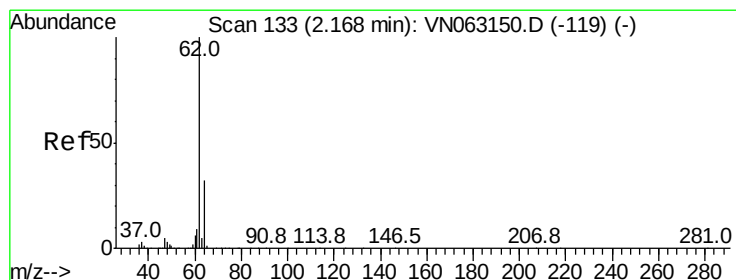
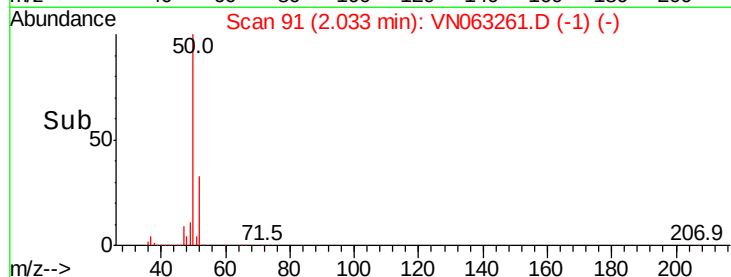
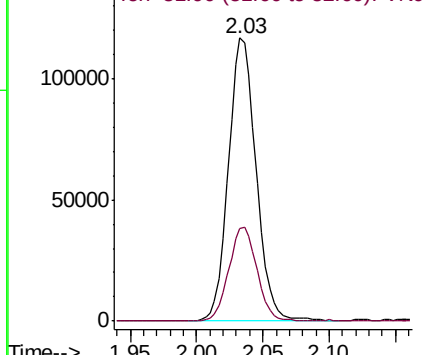
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.690 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063261.D

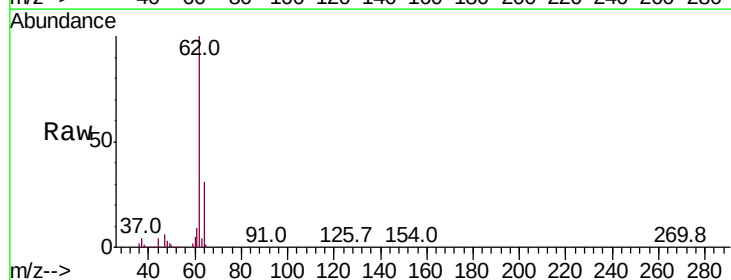
Acq: 5 Sep 2020 1:09

Tgt Ion: 62 Resp: 172500

Ion Ratio Lower Upper

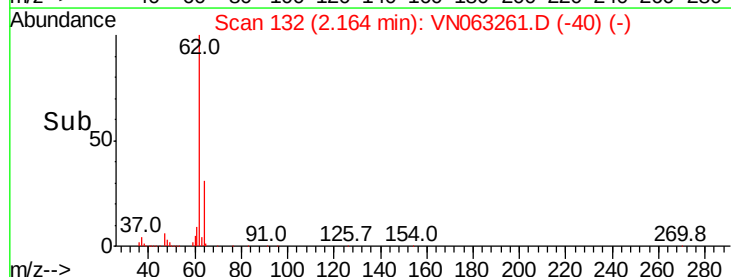
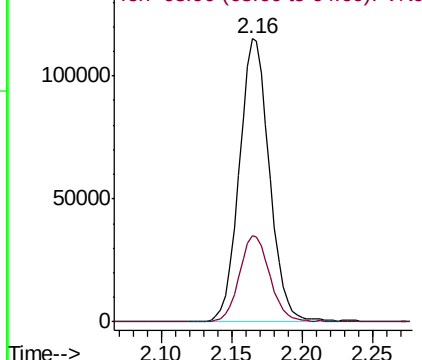
62 100

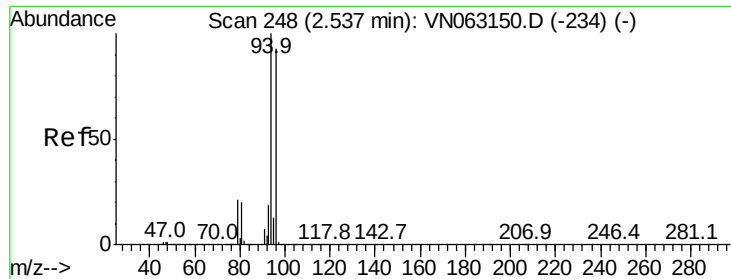
64 30.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 55.022 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 191638

Ion Ratio Lower Upper

94 100

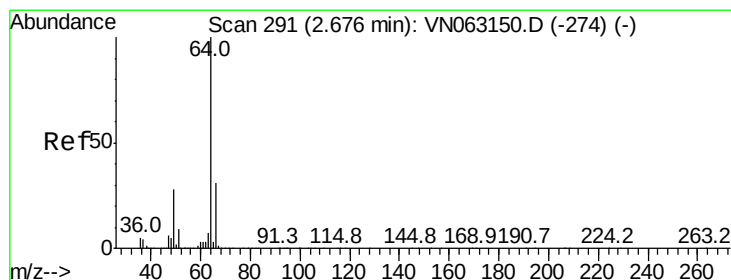
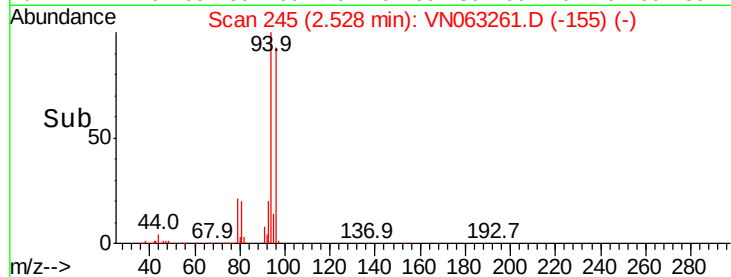
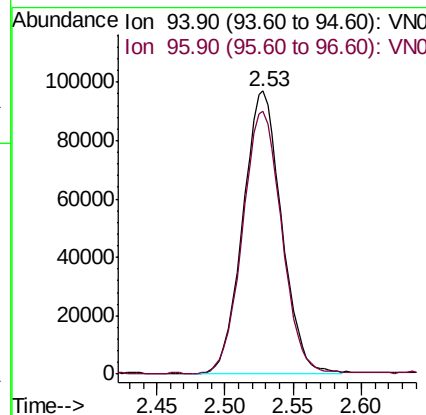
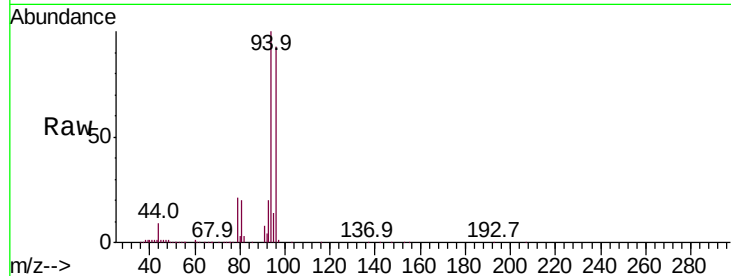
96 92.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 52.660 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN063261.D

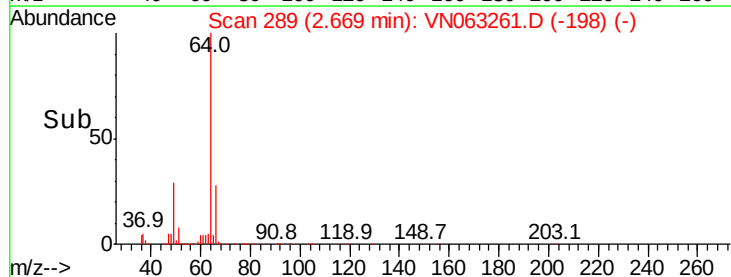
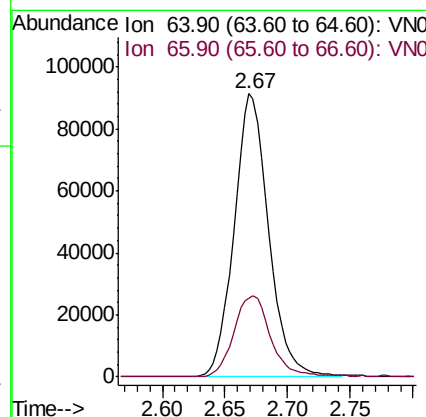
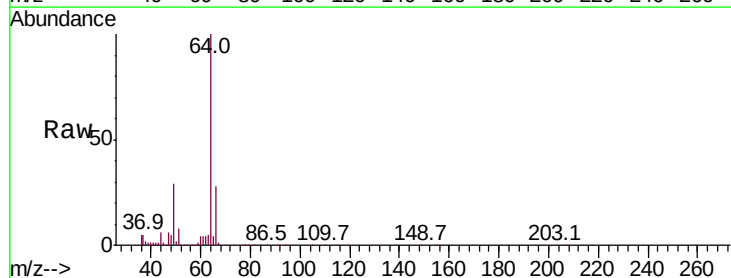
Acq: 5 Sep 2020 1:09

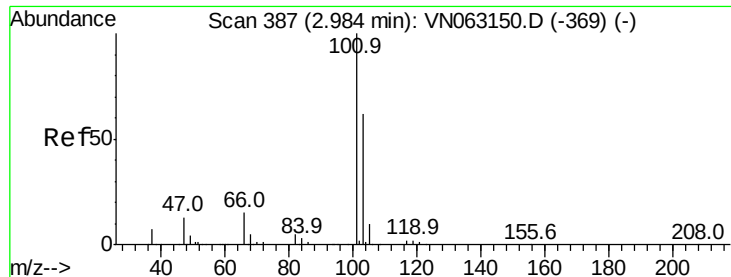
Tgt Ion: 64 Resp: 173245

Ion Ratio Lower Upper

64 100

66 27.7 24.7 37.1





#7

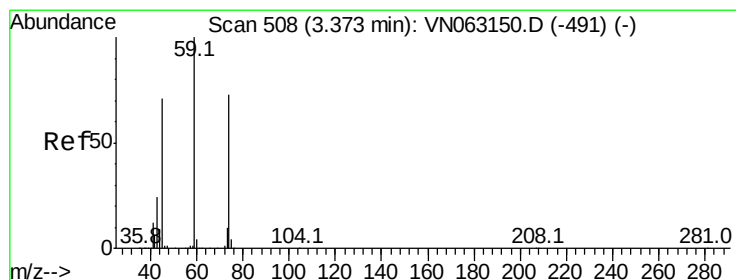
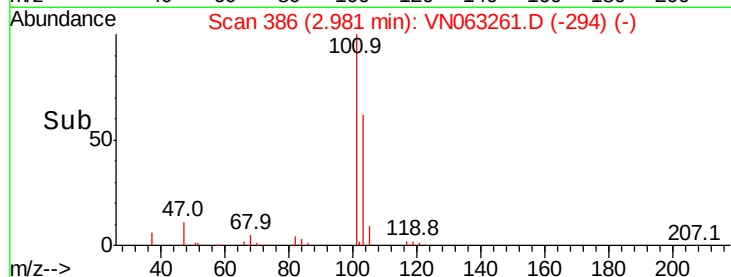
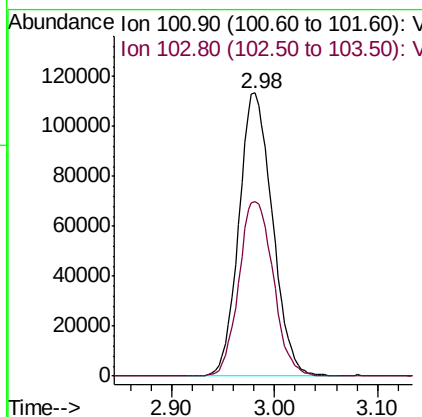
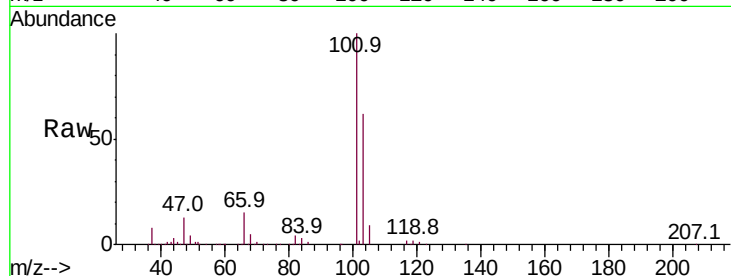
Trichlorofluoromethane
Concen: 44.517 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	49.7	74.5

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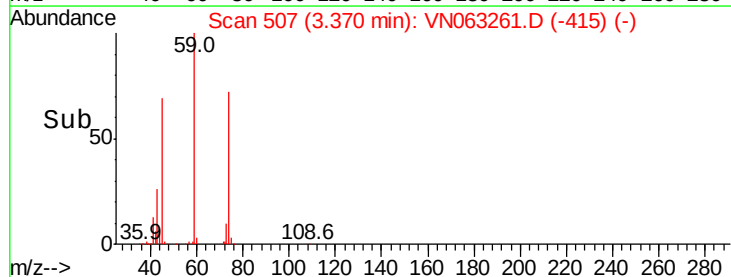
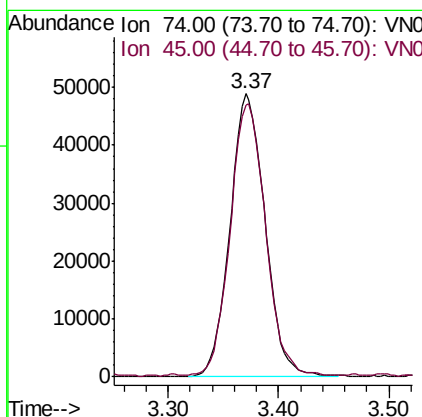
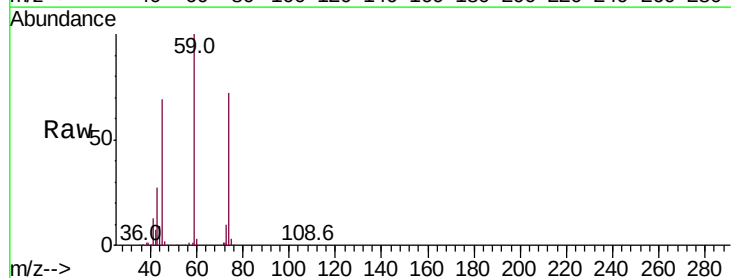
MMDadoda
9/8/2020 1:33:05 PM

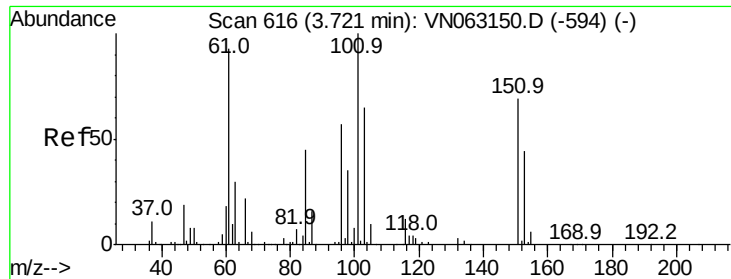


#8

Diethyl Ether
Concen: 54.278 ug/l
RT: 3.37 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.595 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

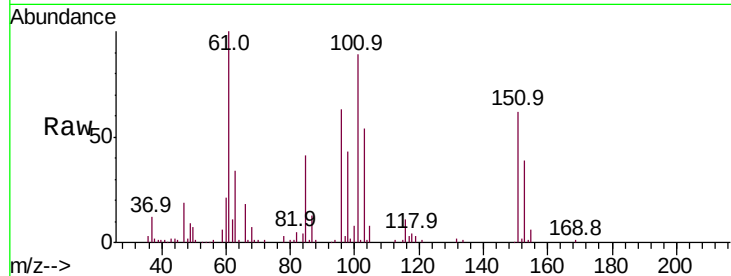
ClientSampleId :

VSTDCCC050

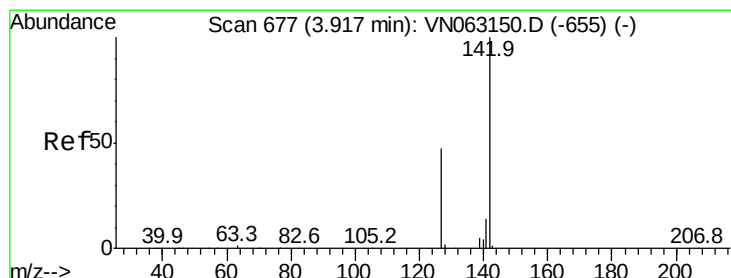
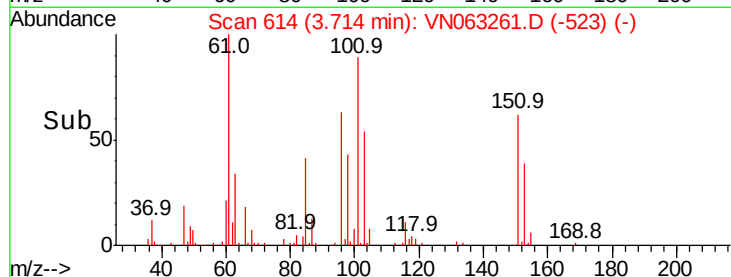
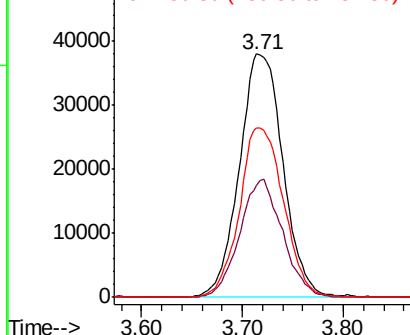
Tot Ion:	101	Resp:	114169
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.8	56.8
151	70.5	55.0	82.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.268 ug/l

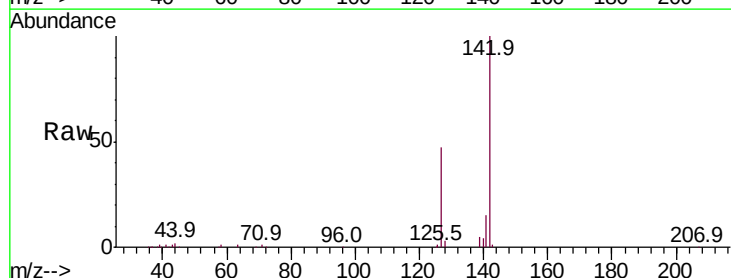
RT: 3.91 min Scan# 675

Delta R.T. -0.01 min

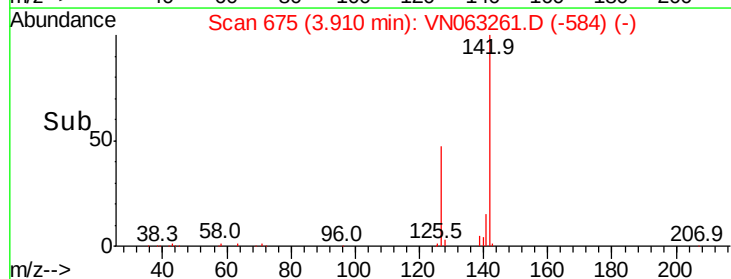
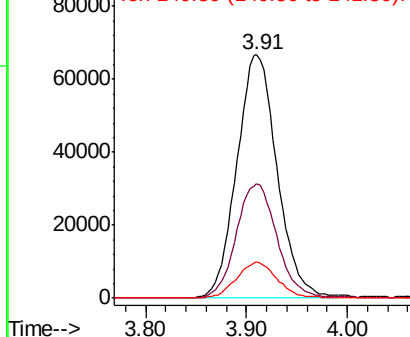
Lab File: VN063261.D

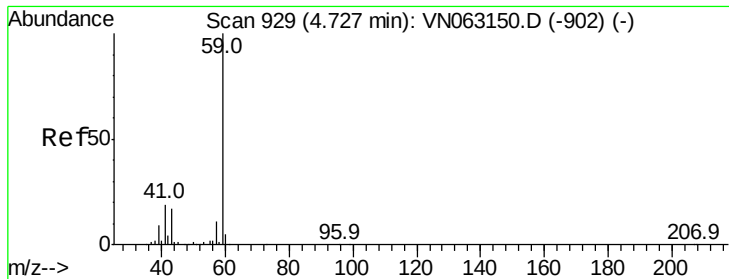
Acq: 5 Sep 2020 1:09

Tgt Ion:	142	Resp:	185143
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.6	56.4
141	14.9	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





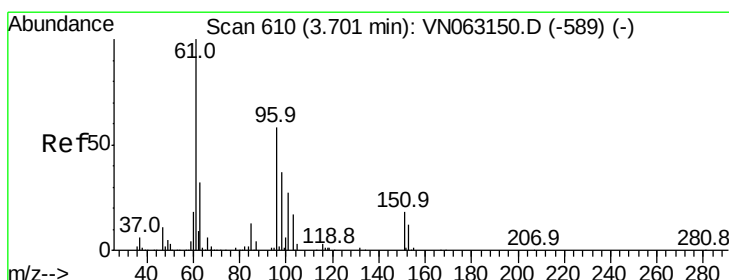
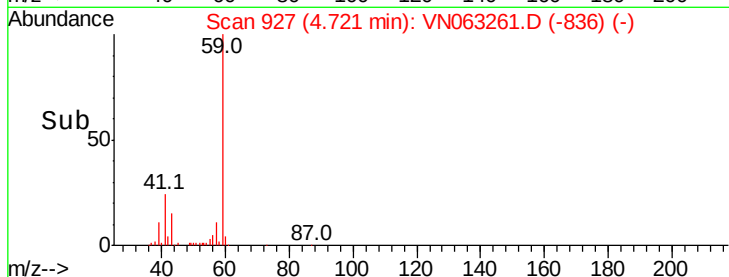
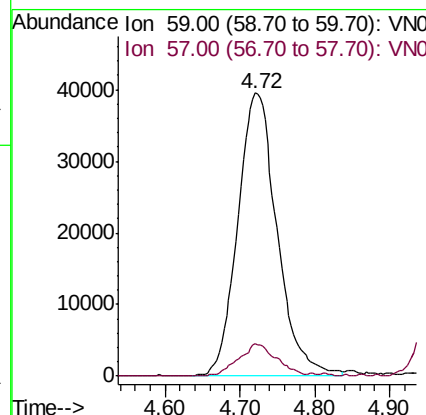
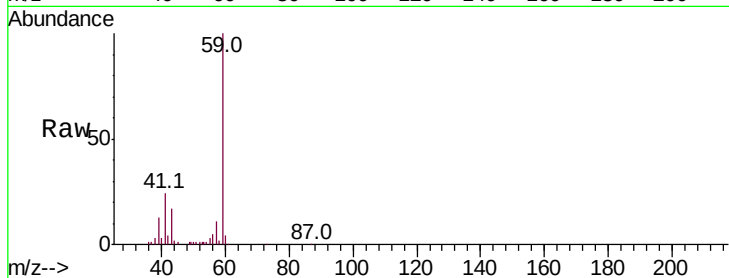
#11
Tert butyl alcohol
Concen: 275.662 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	144481
Ion Ratio	100	Lower	Upper
57	11.0	8.4	12.6

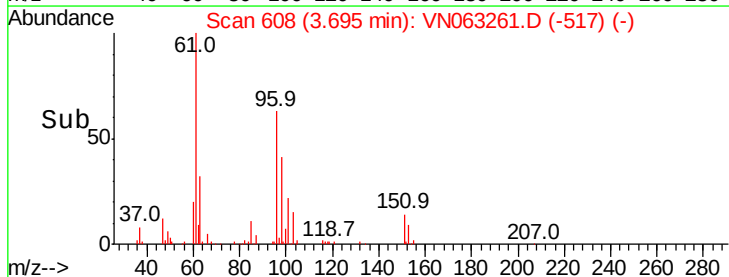
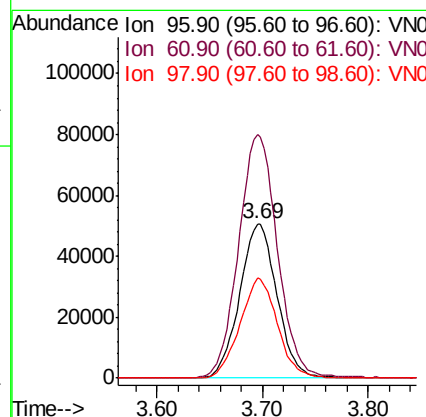
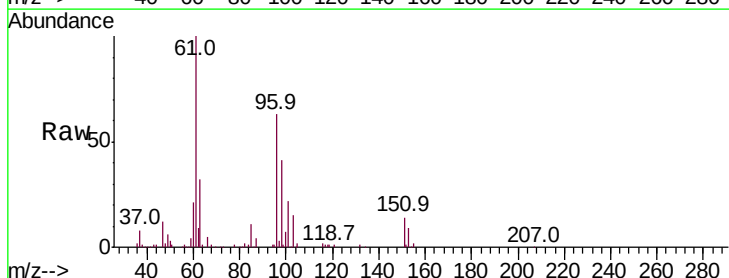
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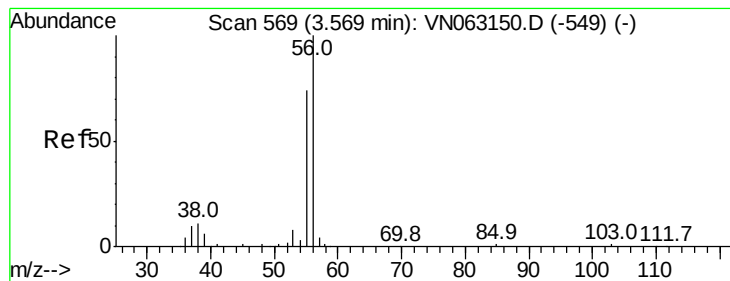
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#12
1,1-Dichloroethene
Concen: 43.479 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	96	Resp	124600
Ion Ratio	100	Lower	Upper
61	157.6	137.4	206.2
98	65.0	50.5	75.7





#13

Acrolein

Concen: 261.265 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52285

Ion Ratio Lower Upper

56 100

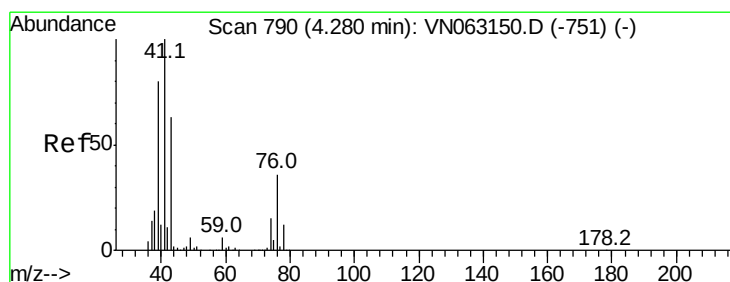
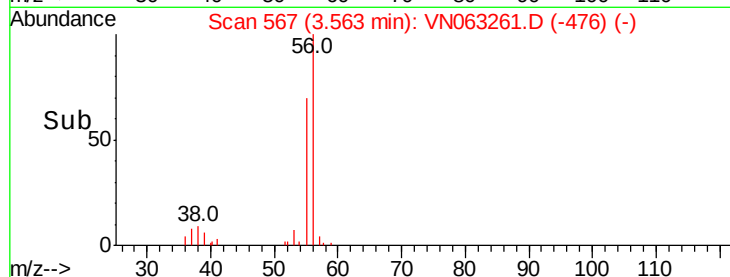
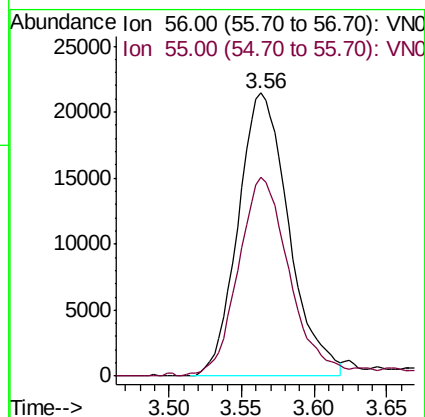
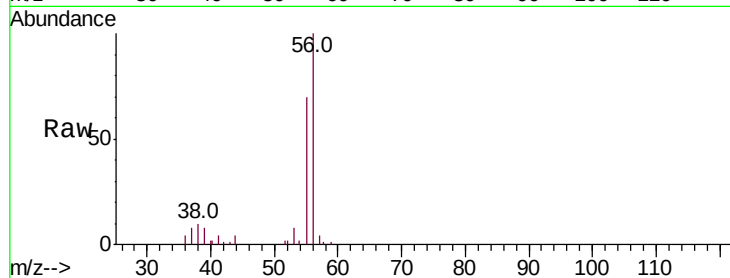
55 70.5 55.4 83.0

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9/8/2020 1:33:05 PM



#14

Allyl chloride

Concen: 48.194 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

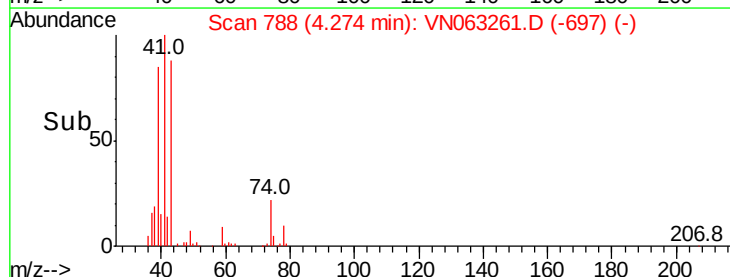
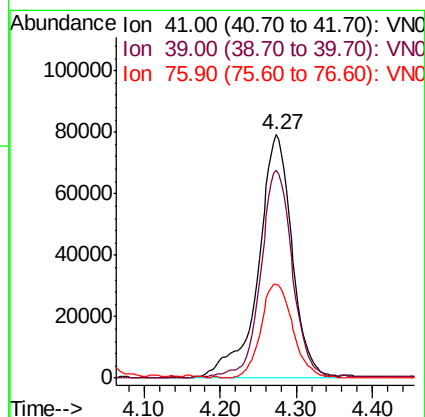
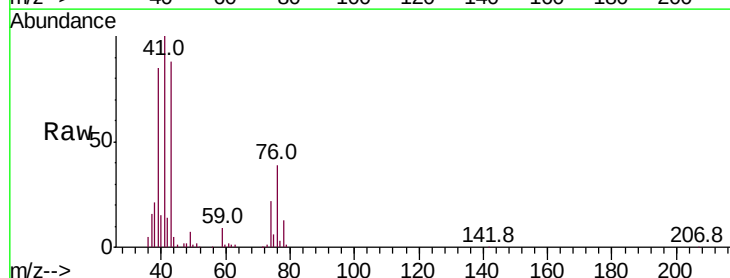
Tgt Ion: 41 Resp: 245287

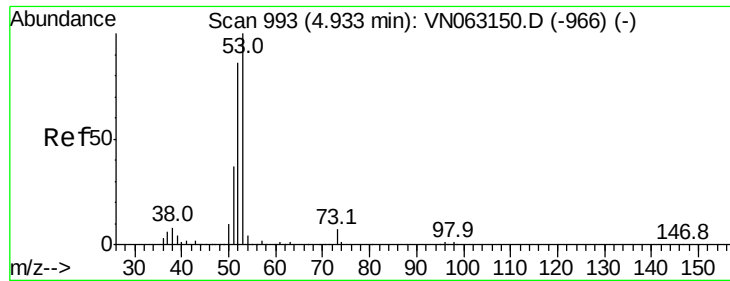
Ion Ratio Lower Upper

41 100

39 79.0 60.2 90.2

76 36.0 27.7 41.5





#15

Acrylonitrile

Concen: 285.706 ug/l

RT: 4.92 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

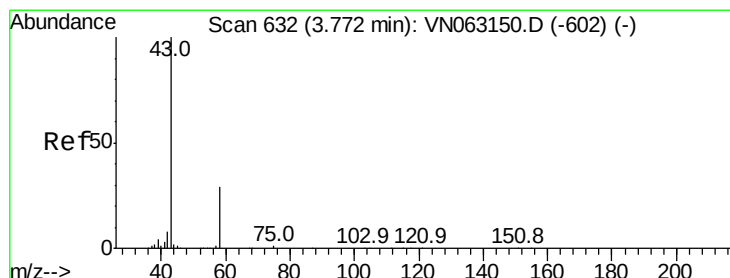
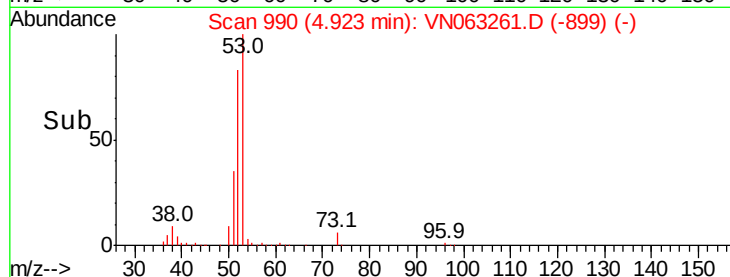
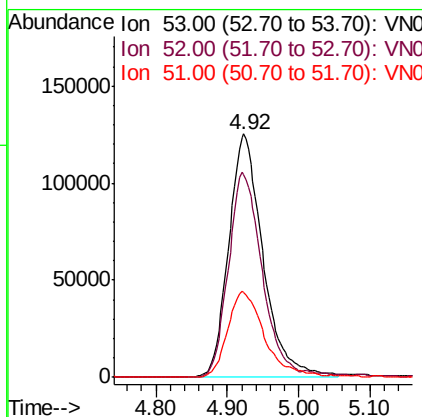
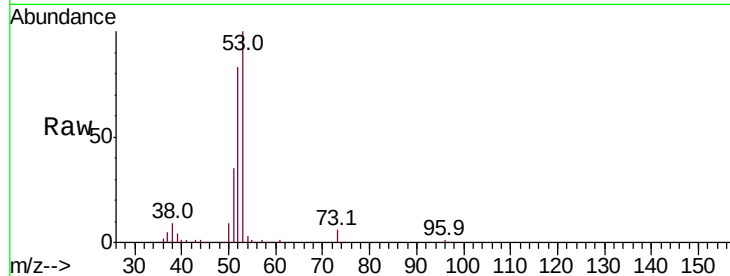
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	419962
Ion Ratio	Lower	Upper	
53	100		
52	81.8	67.2	100.8
51	37.8	30.2	45.4

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#16

Acetone

Concen: 297.631 ug/l

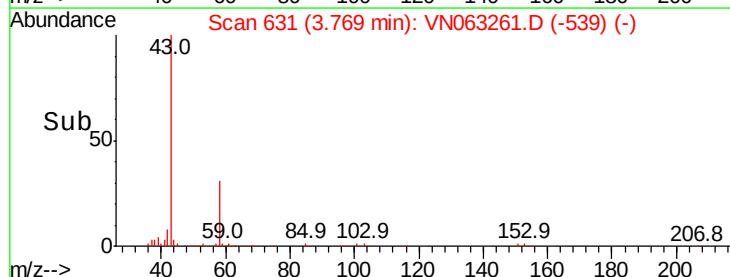
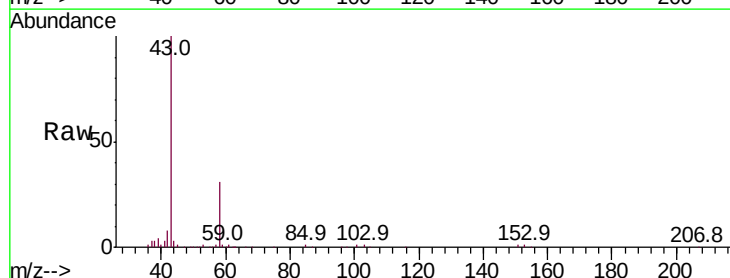
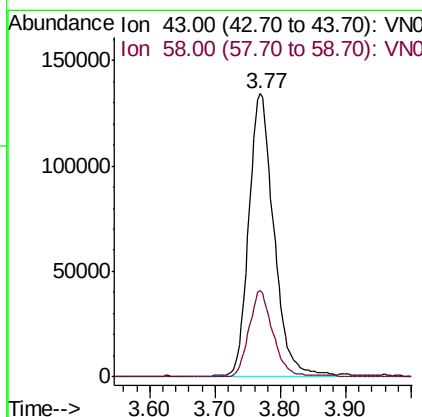
RT: 3.77 min Scan# 631

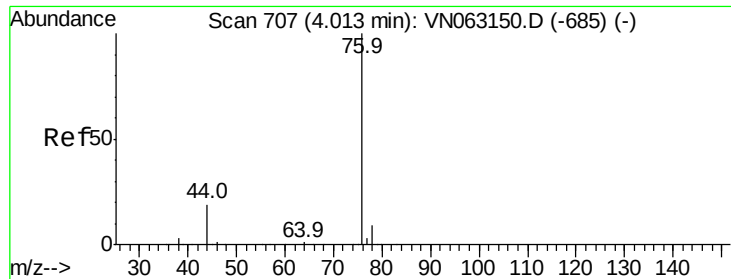
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	43	Resp:	361264
Ion Ratio	Lower	Upper	
43	100		
58	30.4	23.1	34.7





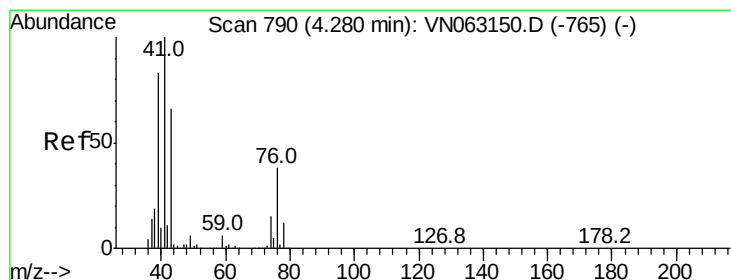
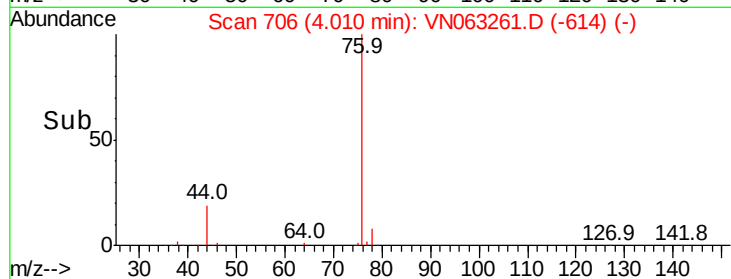
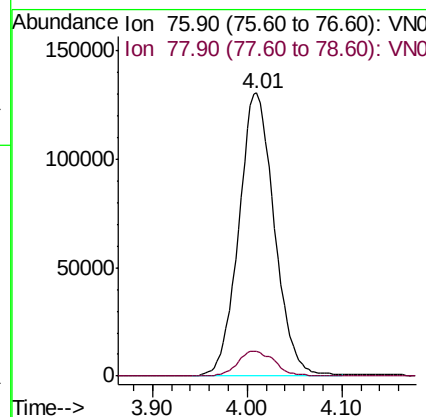
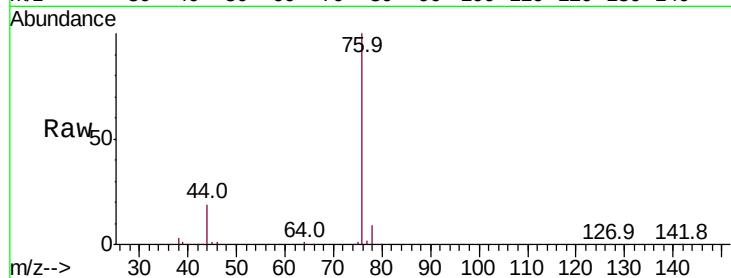
#17
Carbon Disulfide
Concen: 39.976 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	340986		
78	8.7		7.5	11.3

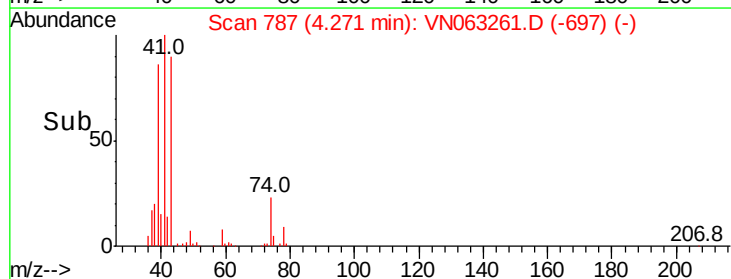
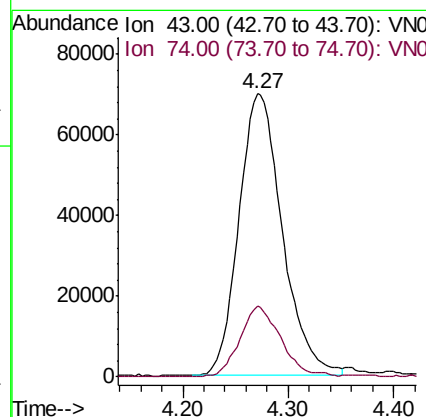
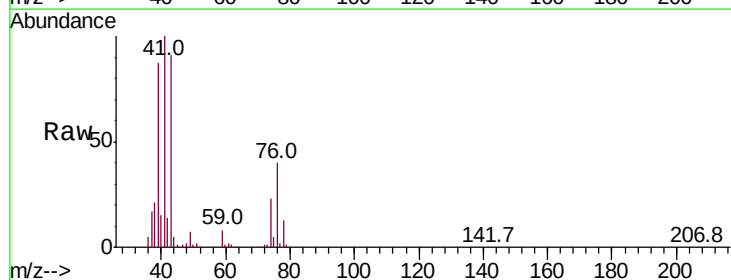
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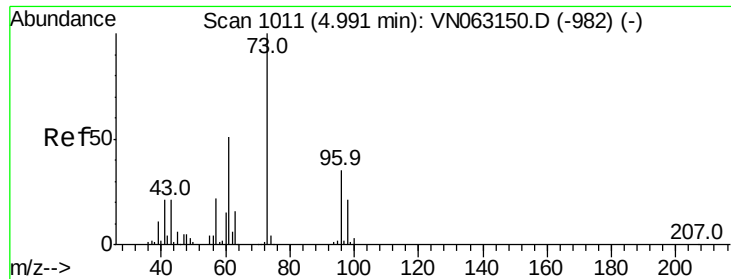
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#18
Methyl Acetate
Concen: 64.389 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	200393		
74	23.7		19.0	28.6





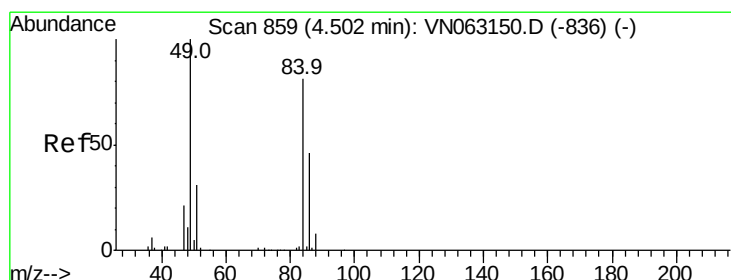
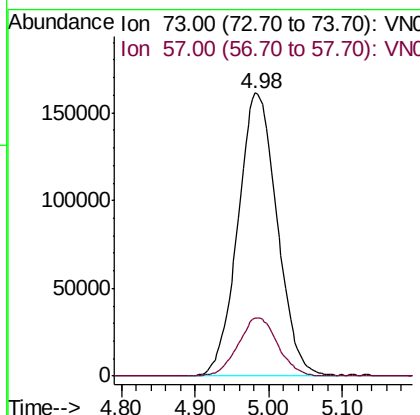
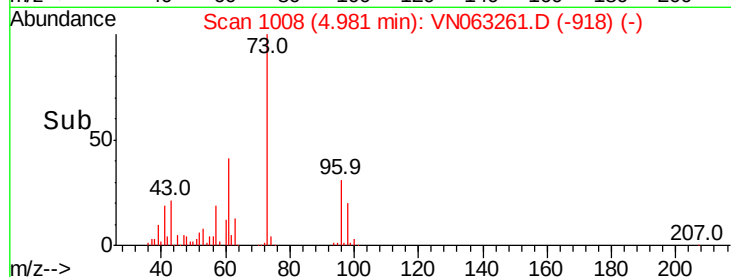
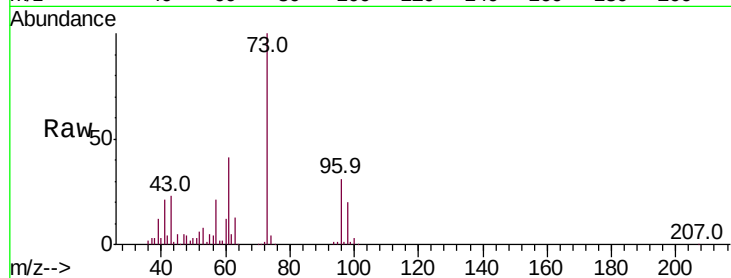
#19
Methvl tert-butyl Ether
Concen: 56.192 ug/l
RT: 4.98 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 597379
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4

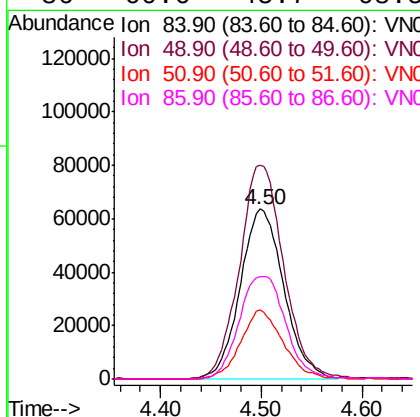
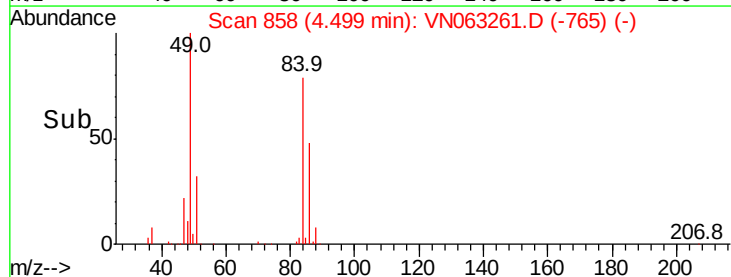
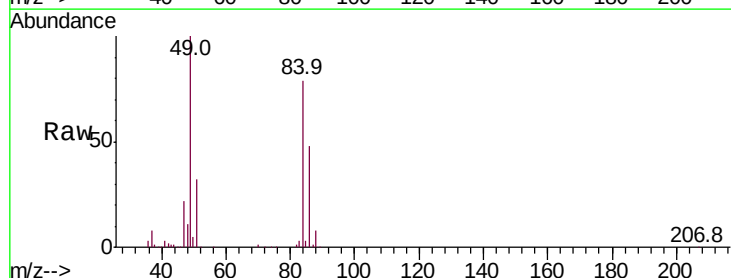
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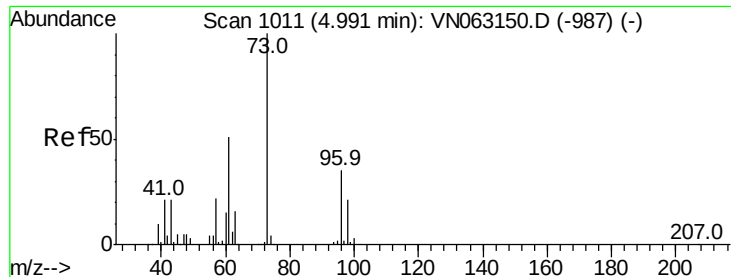
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#20
Methylene Chloride
Concen: 56.036 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion: 84 Resp: 191049
Ion Ratio Lower Upper
84 100
49 125.9 98.4 147.6
51 40.8 30.4 45.6
86 60.6 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 51.213 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 162148

Ion Ratio Lower Upper

96 100

61 129.2 116.2 174.4

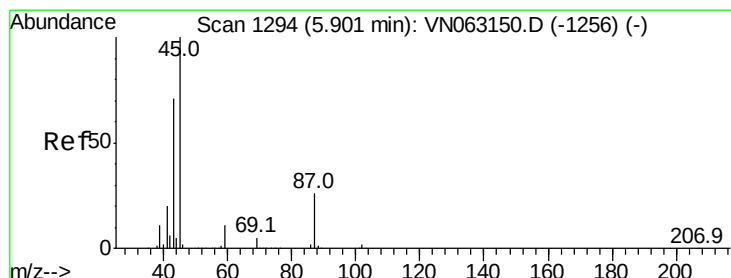
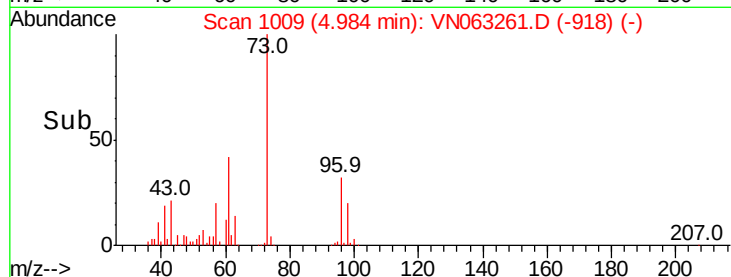
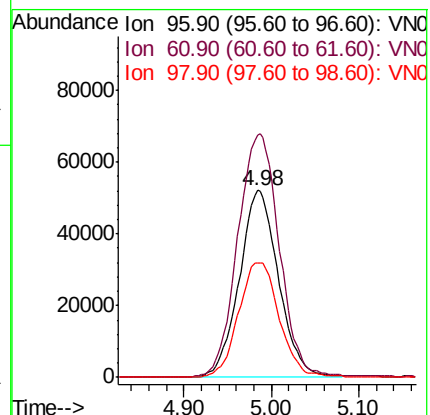
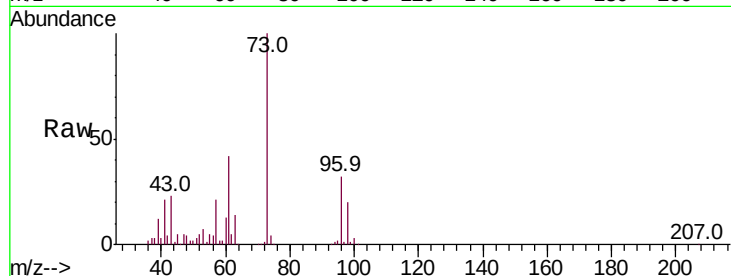
98 61.5 48.0 72.0

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9/8/2020 1:33:05 PM



#22

Diisopropyl ether

Concen: 55.307 ug/l

RT: 5.89 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion: 45 Resp: 630796

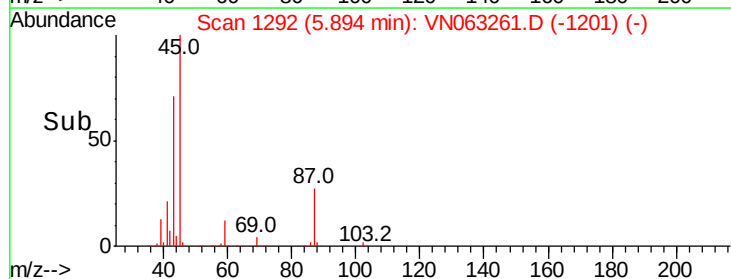
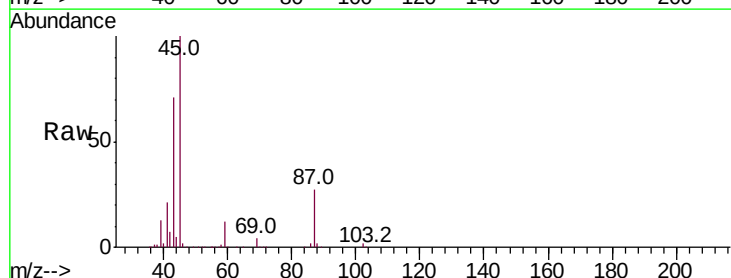
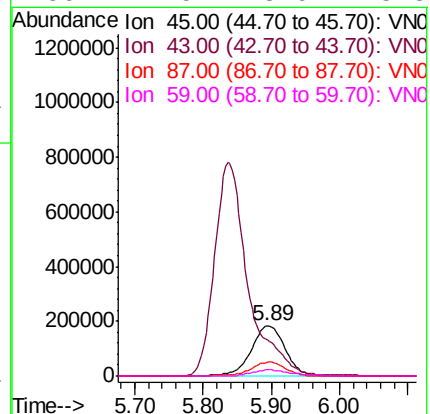
Ion Ratio Lower Upper

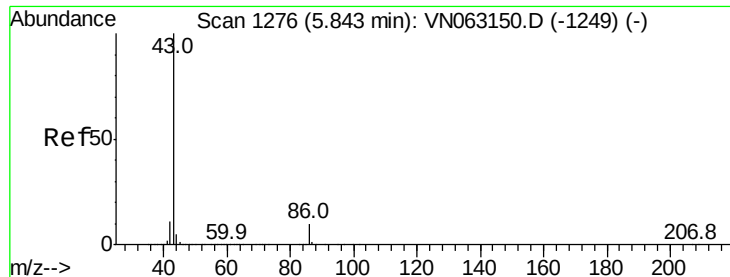
45 100

43 69.3 56.8 85.2

87 27.2 21.1 31.7

59 11.5 8.9 13.3





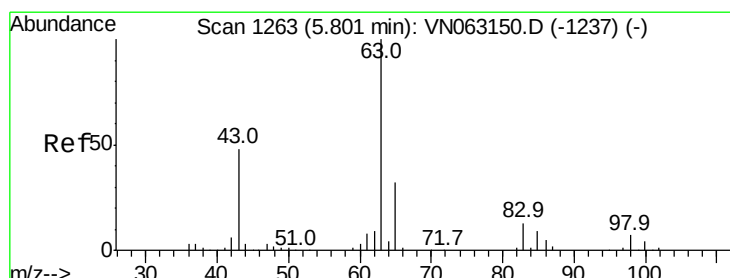
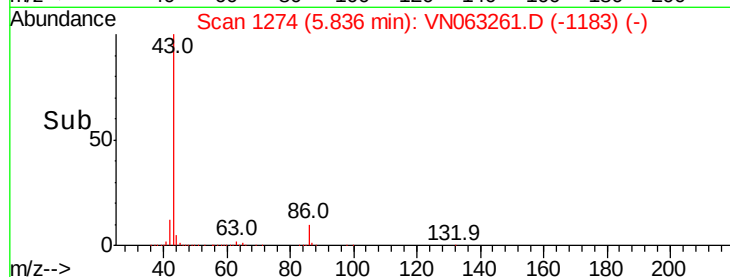
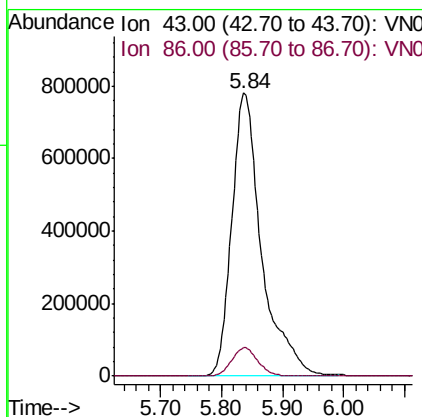
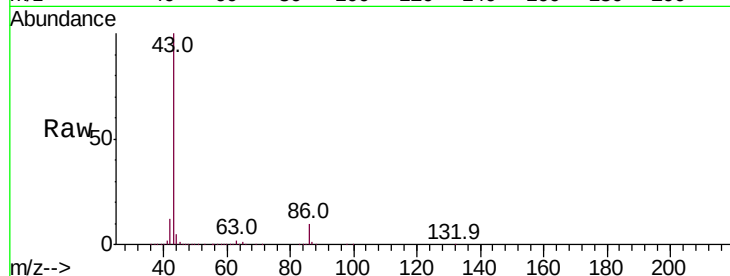
#23
 Vinyl Acetate
 Concen: 292.555 ug/l
 RT: 5.84 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2662415
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5

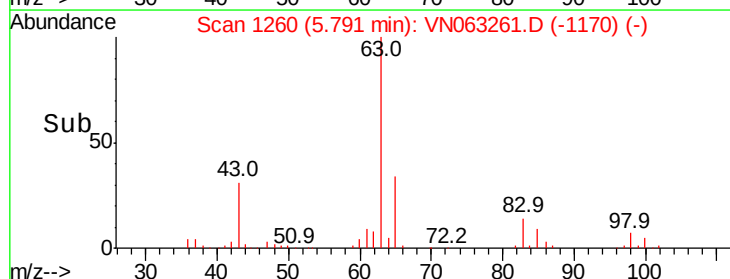
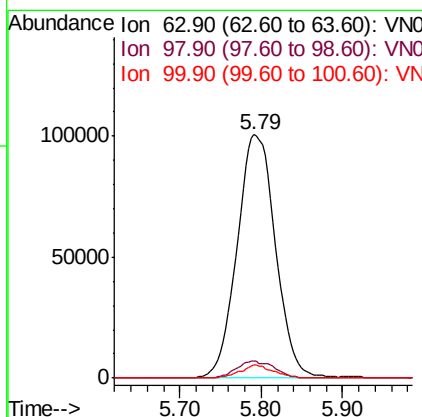
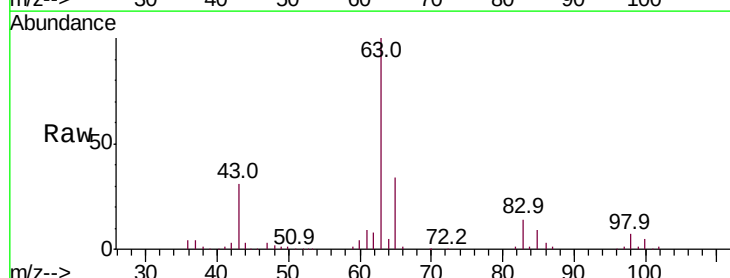
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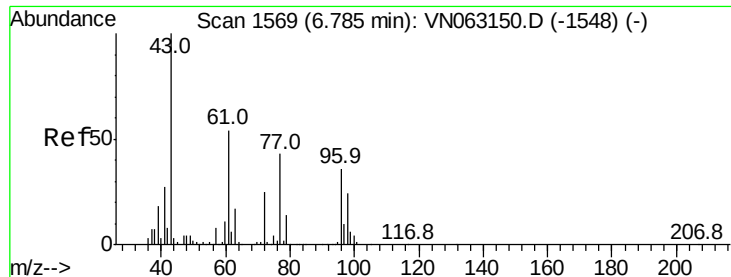
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#24
 1,1-Dichloroethane
 Concen: 52.039 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion: 63 Resp: 327200
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 5.2 2.3 6.8





#25

2-Butanone

Concen: 300.418 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 564619

Ion Ratio Lower Upper

43 100

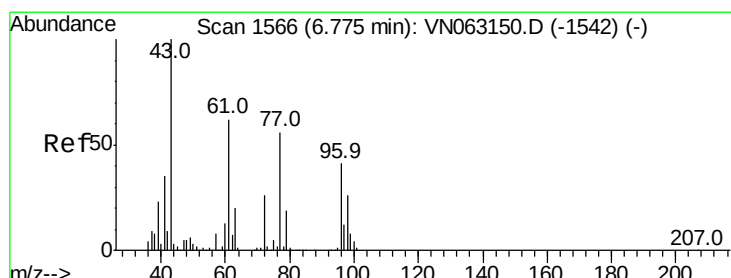
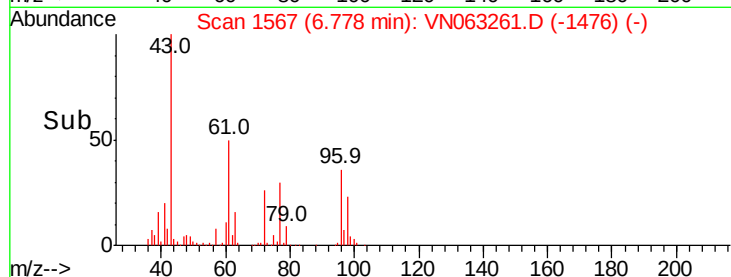
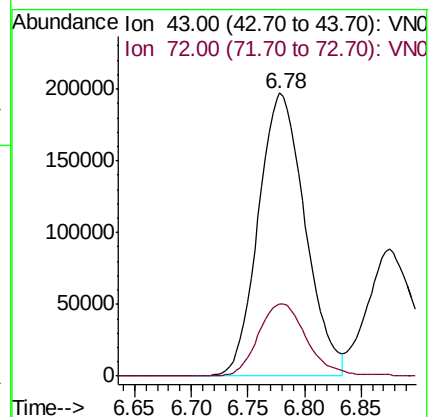
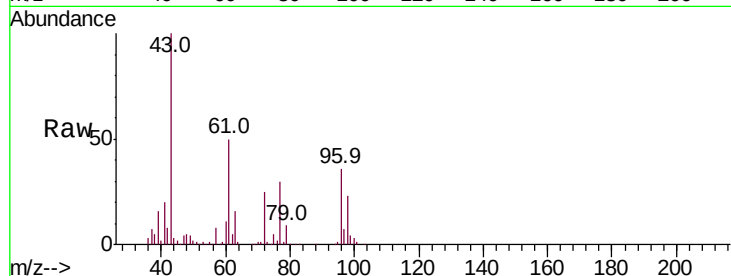
72 25.5 20.2 30.4

Manual Integrations

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9/8/2020 1:33:05 PM



#26

2,2-Dichloropropane

Concen: 35.017 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN063261.D

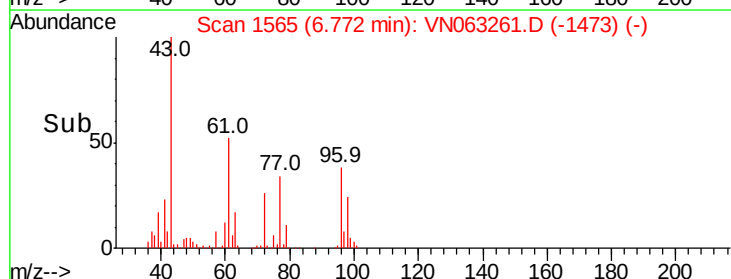
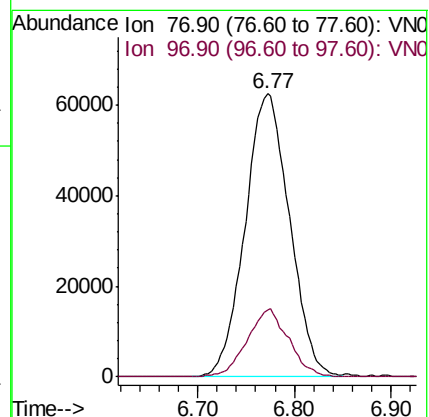
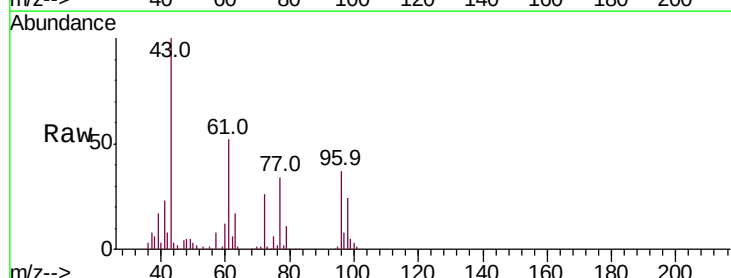
Acq: 5 Sep 2020 1:09

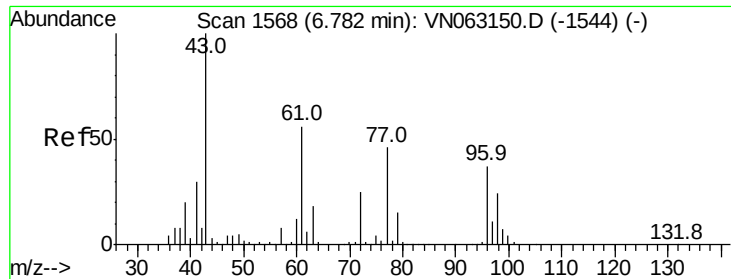
Tgt Ion: 77 Resp: 199485

Ion Ratio Lower Upper

77 100

97 22.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 54.268 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

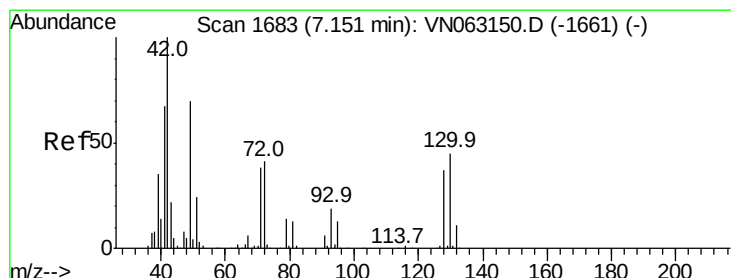
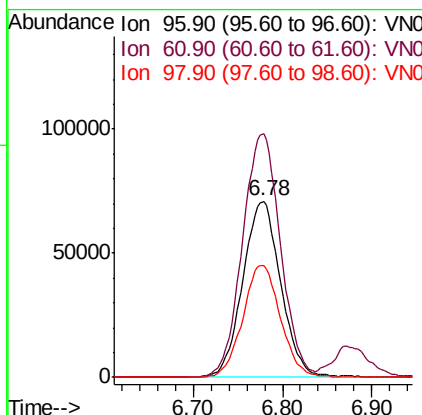
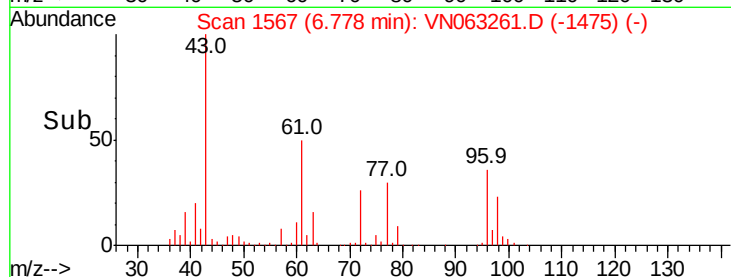
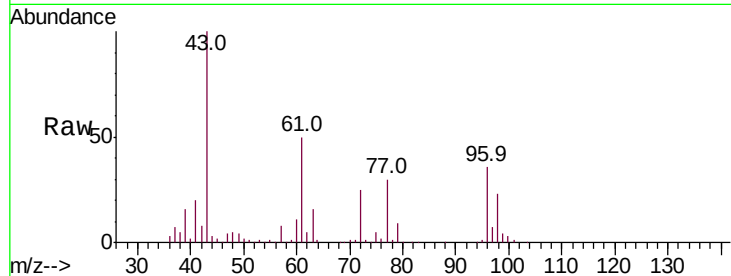
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208845		
61	138.9	0.0	303.2	
98	63.2	0.0	129.0	

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#28

Bromochloromethane

Concen: 53.747 ug/l

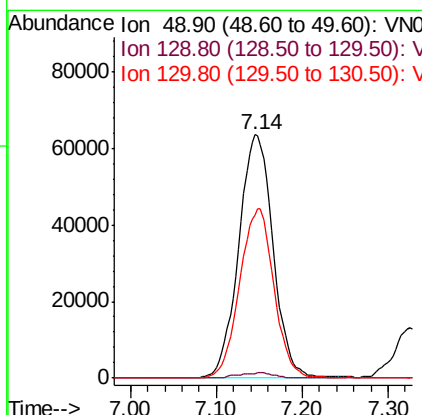
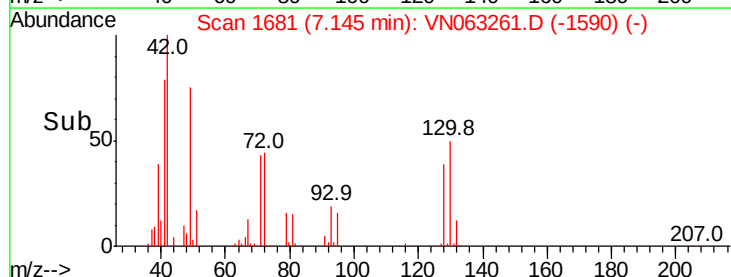
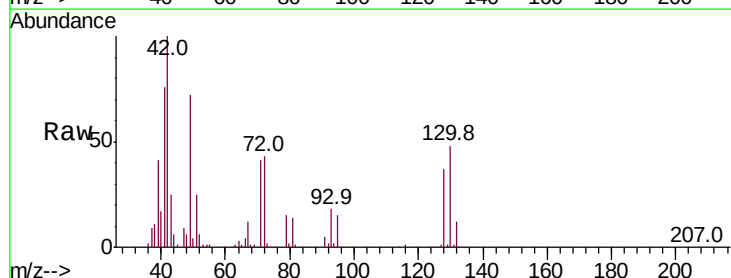
RT: 7.14 min Scan# 1681

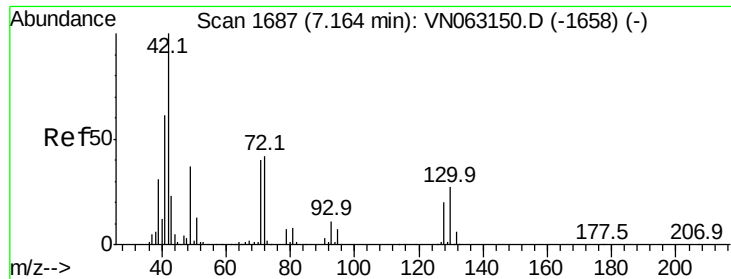
Delta R.T. -0.01 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	176556		
129	1.2	0.0	4.0	
130	69.0	54.4	81.6	





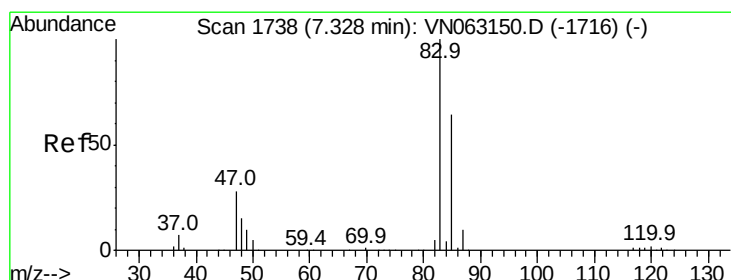
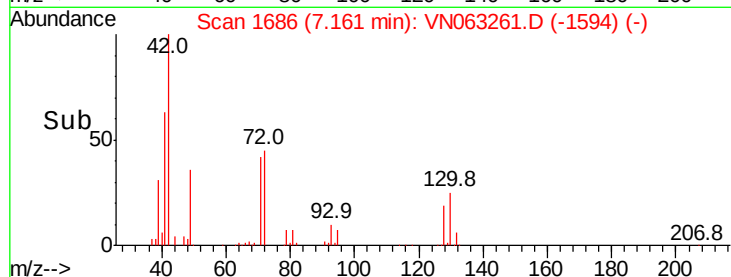
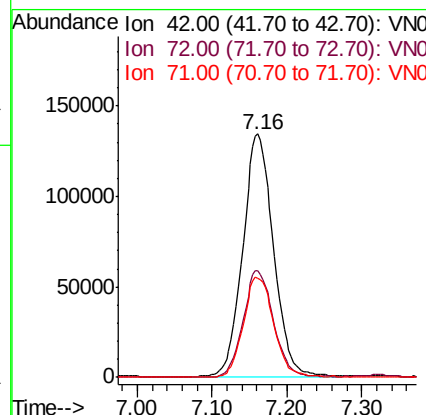
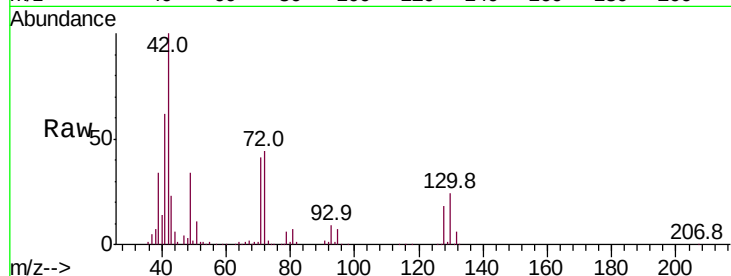
#29
Tetrahydrofuran
Concen: 294.597 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.9	50.9
71	40.7	31.9	47.9

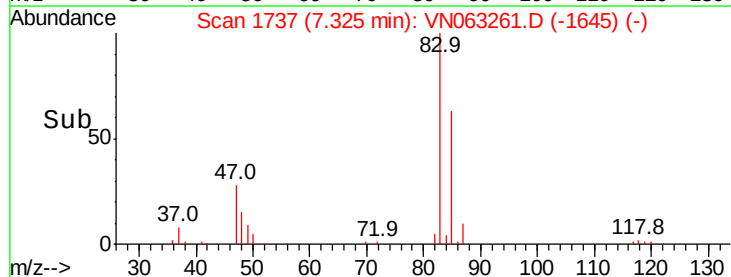
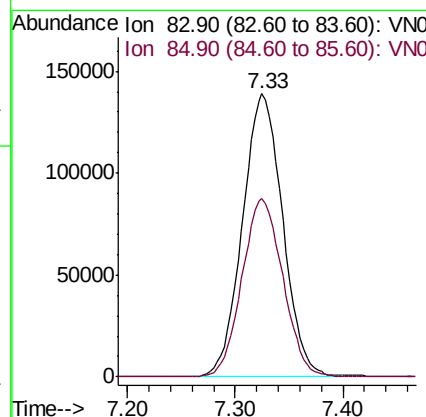
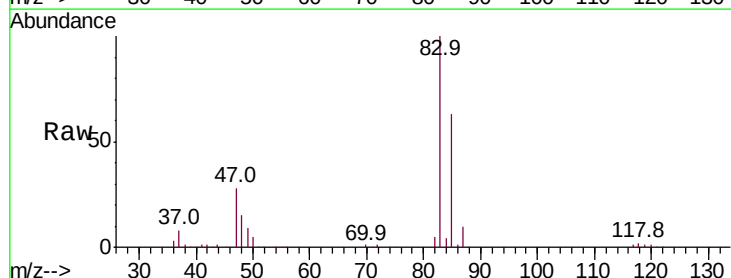
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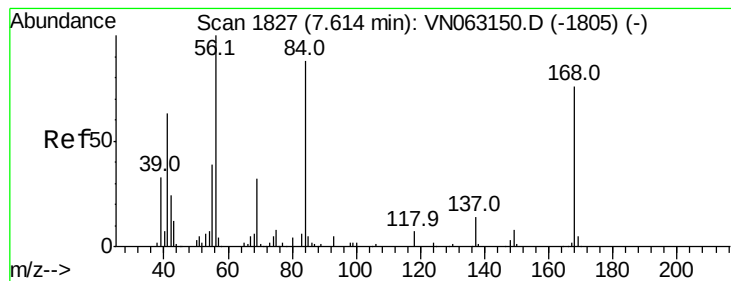
MMDadoda
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#30
Chloroform
Concen: 54.744 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.0	76.6





#31

Cyclohexane

Concen: 36.002 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

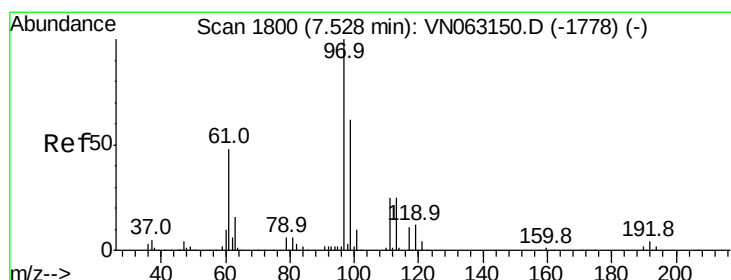
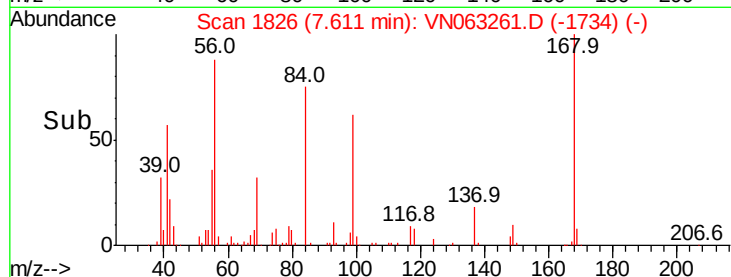
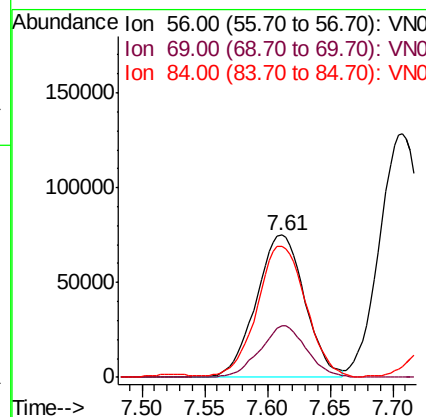
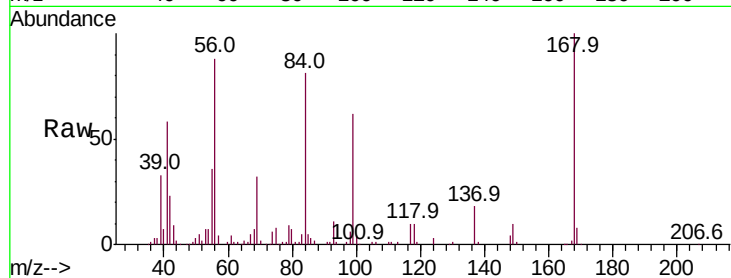
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	202202
Ion	Ratio	Lower	Upper
56	100		
69	36.2	25.4	38.0
84	90.5	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 47.544 ug/l

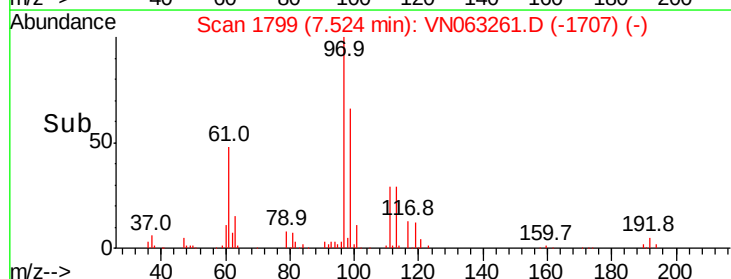
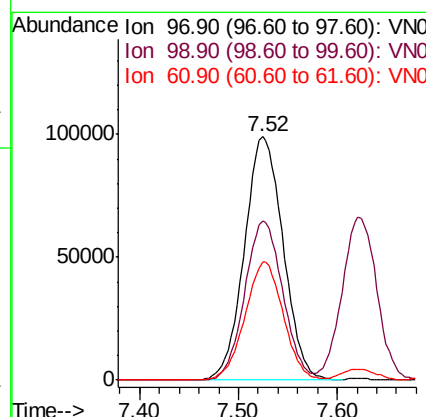
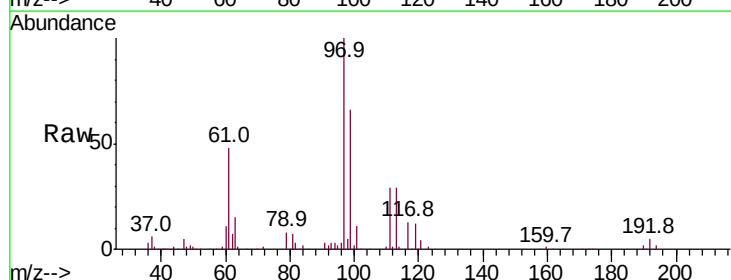
RT: 7.52 min Scan# 1799

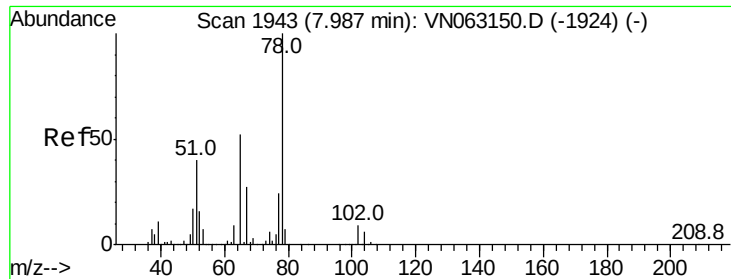
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion	97	Resp	269503
Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	48.1	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 53.142 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063261.D

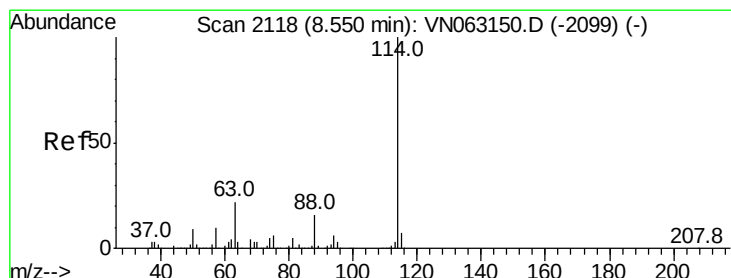
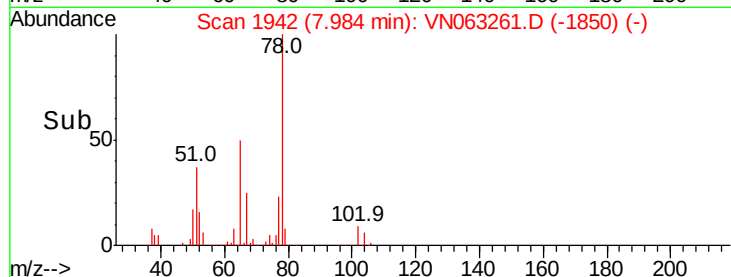
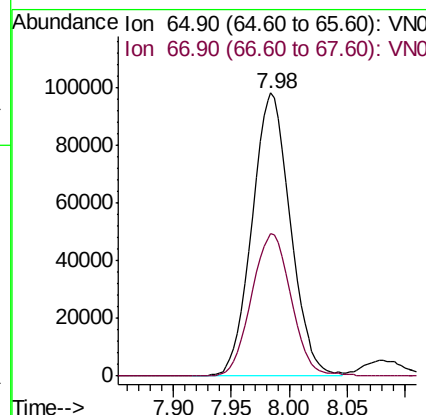
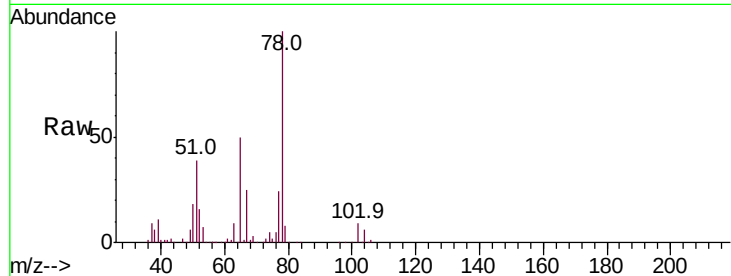
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

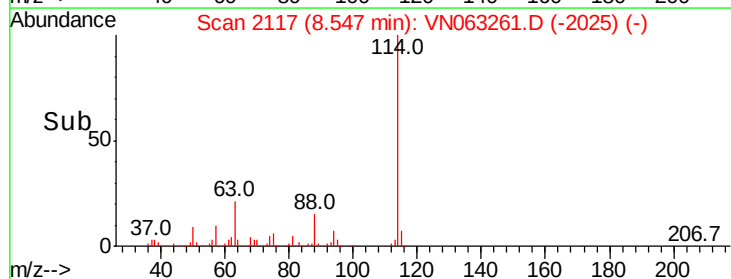
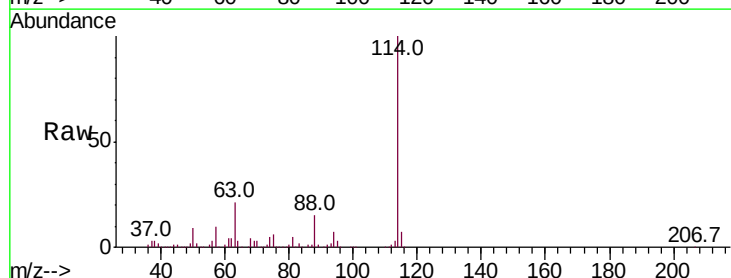
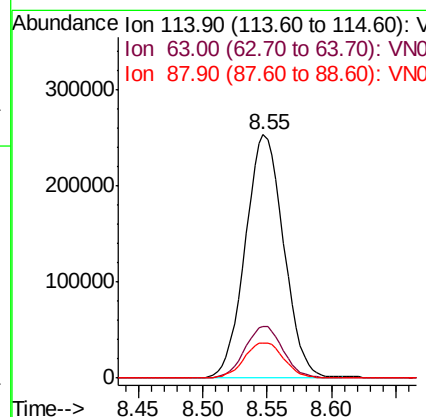
RT: 8.55 min Scan# 2117

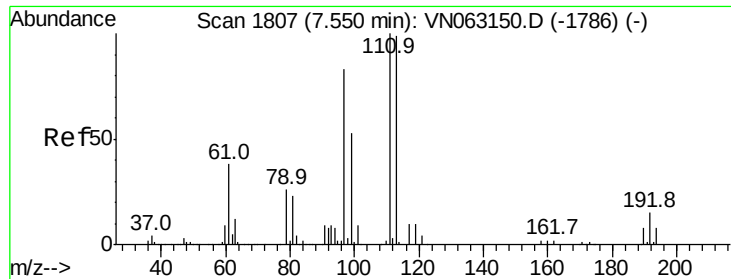
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	14.6	0.0	31.6





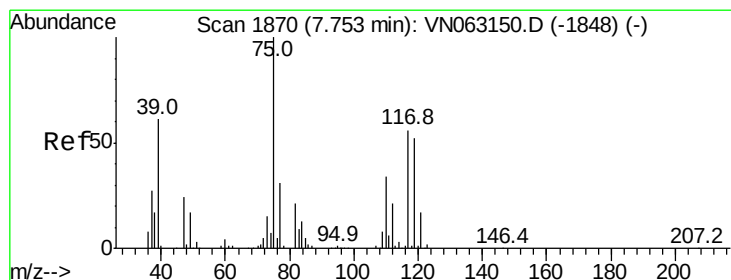
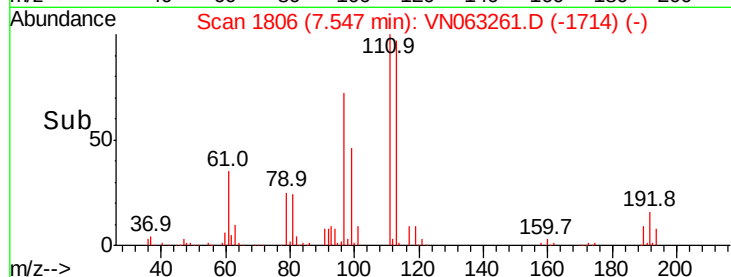
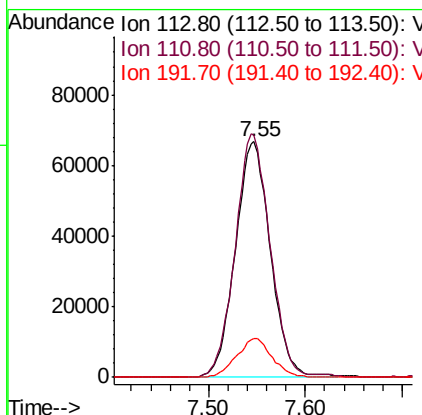
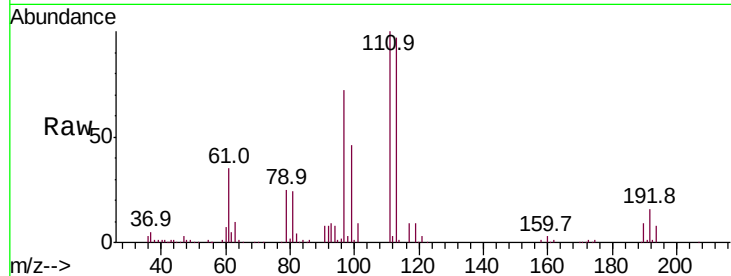
#35
Dibromofluoromethane
Concen: 49.749 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.7	121.1
192	16.6	12.6	19.0

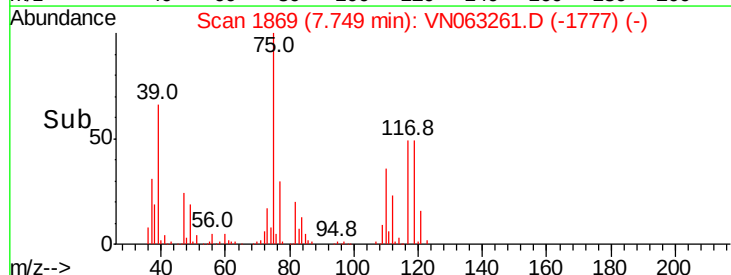
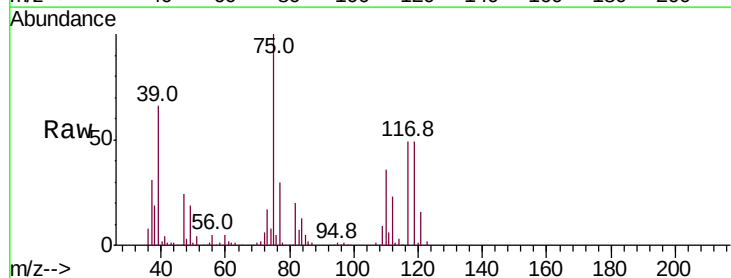
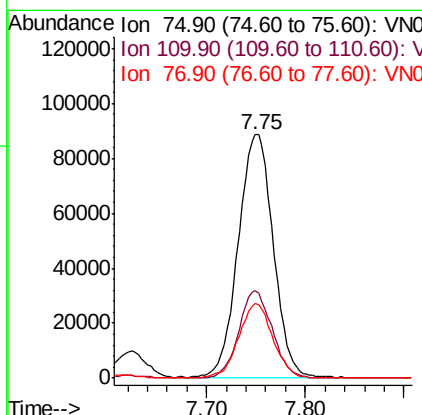
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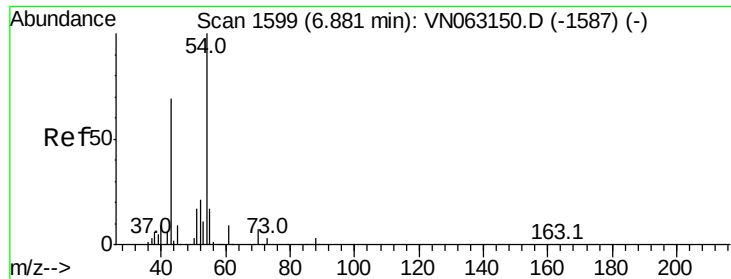
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#36
1,1-Dichloropropene
Concen: 42.966 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.6	49.8
77	30.1	25.4	38.2





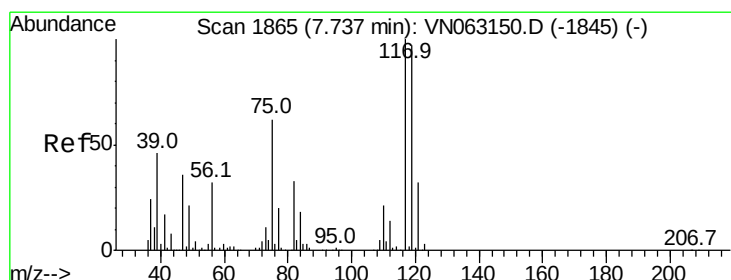
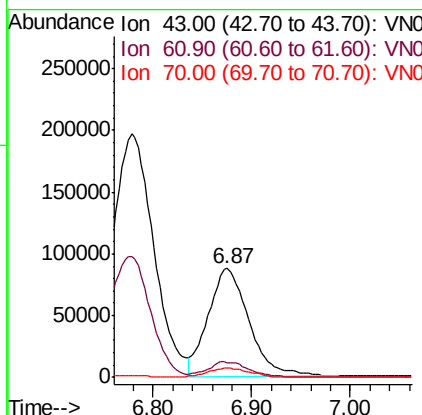
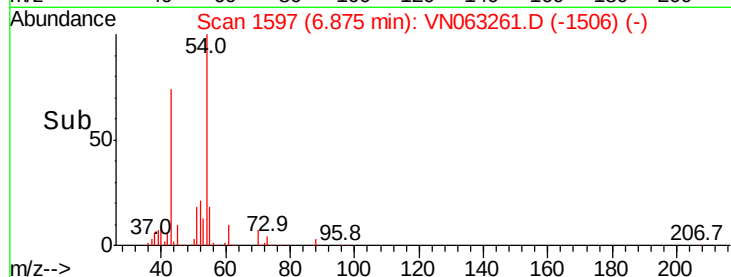
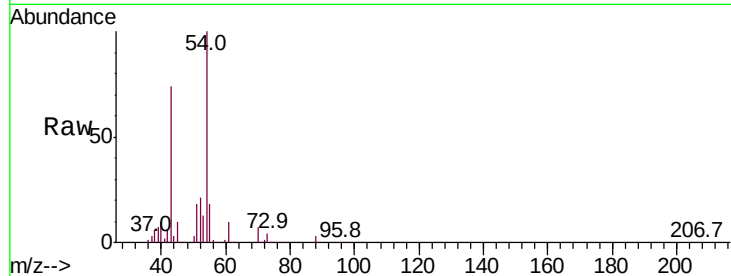
#37
Ethyl Acetate
Concen: 52.765 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	8.6	3.0	4.6

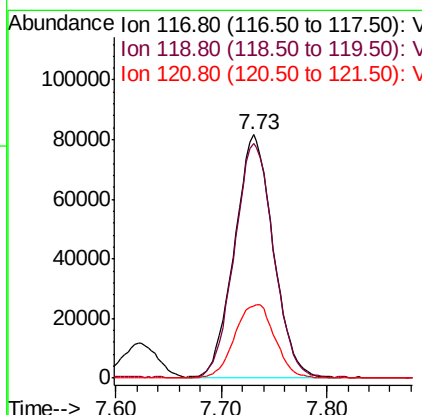
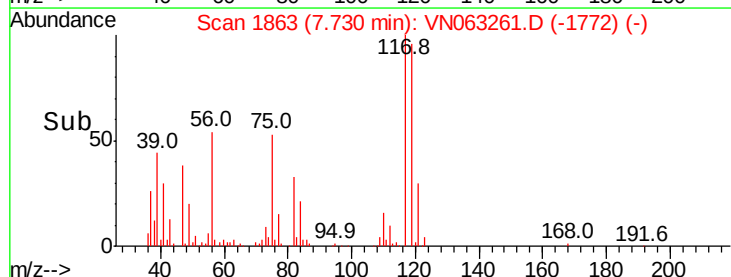
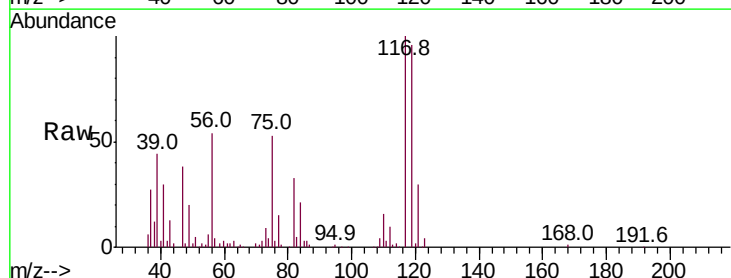
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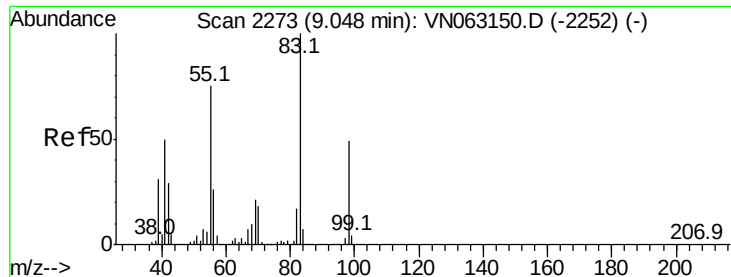
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#38
Carbon Tetrachloride
Concen: 40.453 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	29.7	25.6	38.4





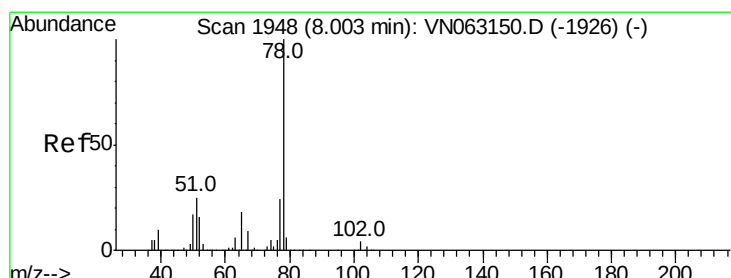
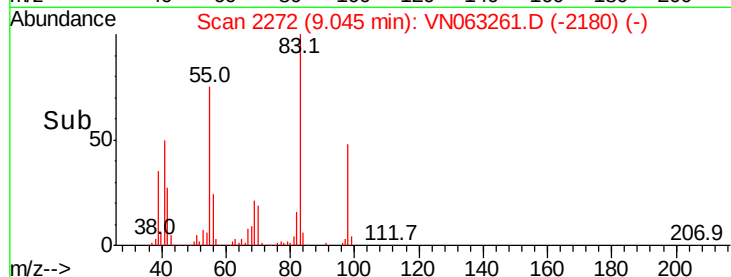
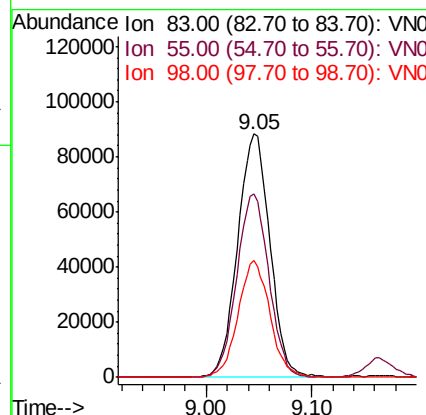
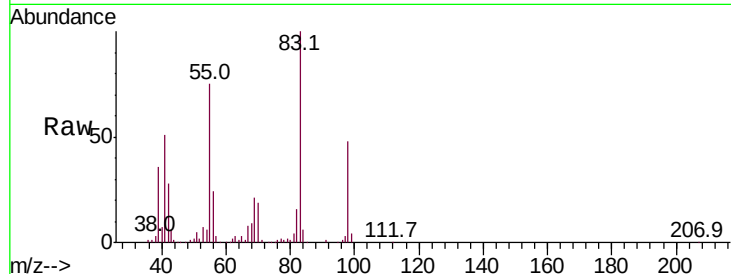
#39
Methylvlcyclohexane
Concen: 33.088 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188177		
55	75.4	60.3	90.5	
98	47.9	38.9	58.3	

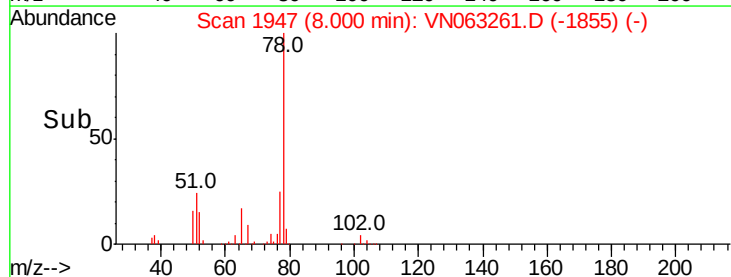
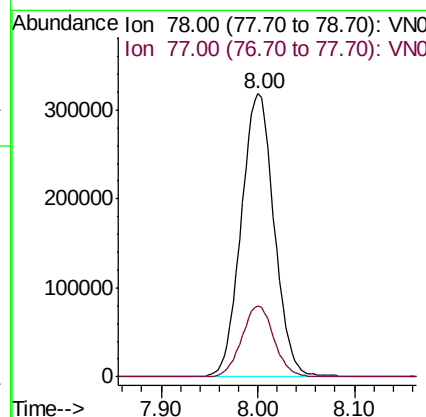
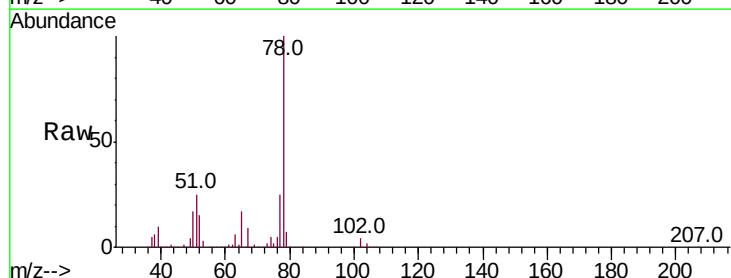
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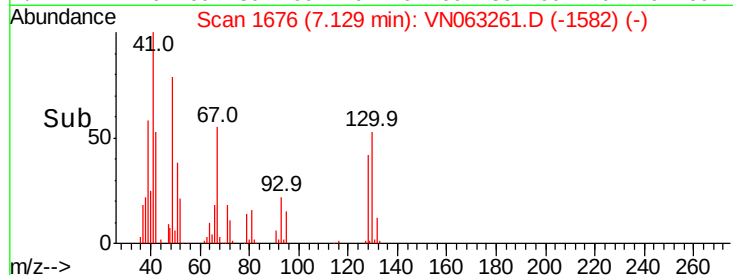
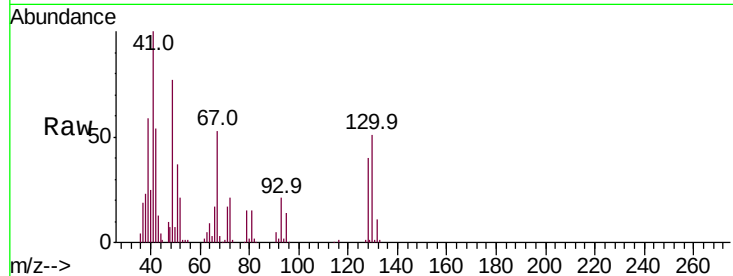
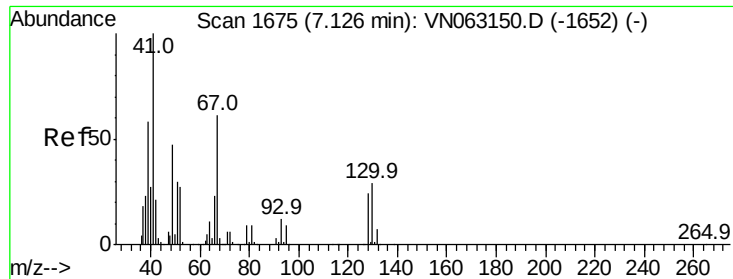
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#40
Benzene
Concen: 50.666 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	753724		
77	25.0	19.3	28.9	





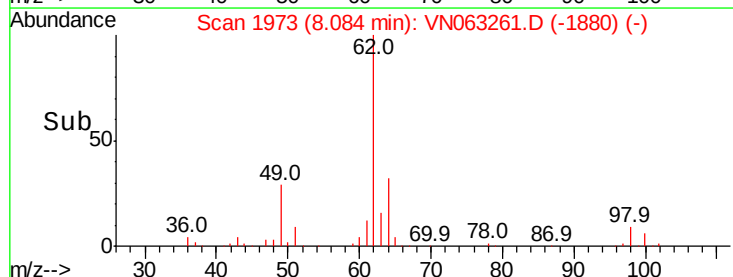
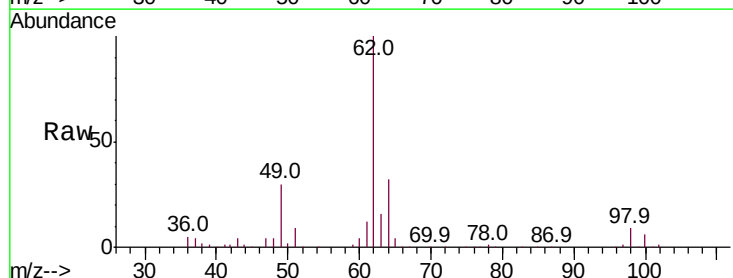
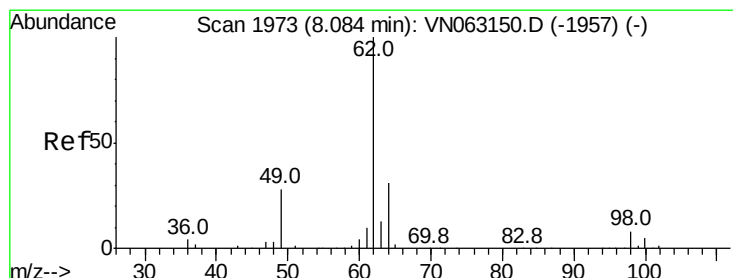
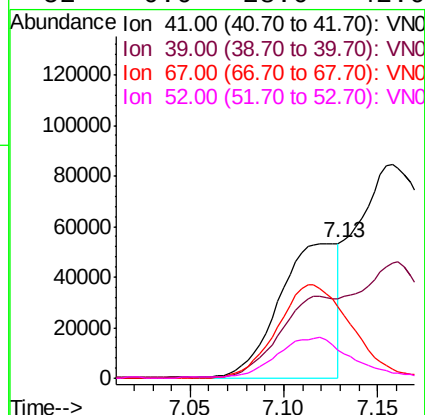
#41
Methacrylonitrile
Concen: 54.791 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.6	70.0#
67	0.0	62.6	94.0#
52	0.0	28.0	42.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

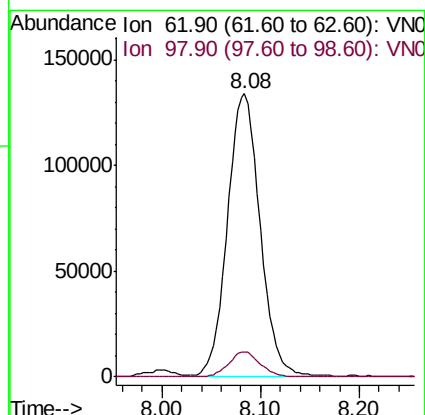
Manual Integrations
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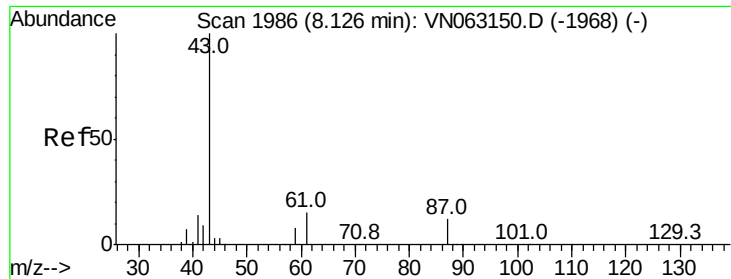
MMDadoda
9/8/2020 1:33:05 PM



#42
1,2-Dichloroethane
Concen: 55.466 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 54.803 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

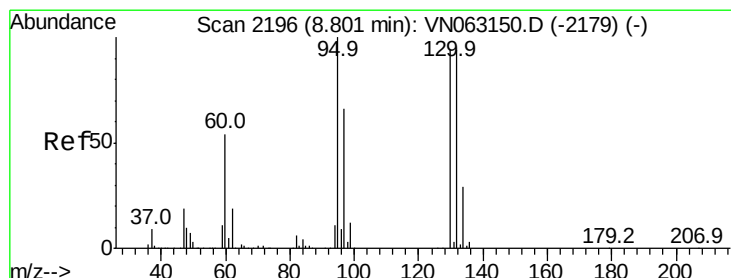
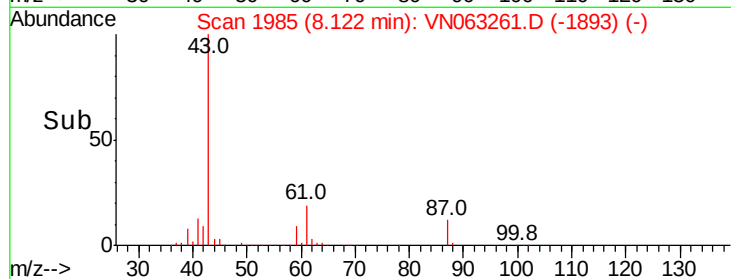
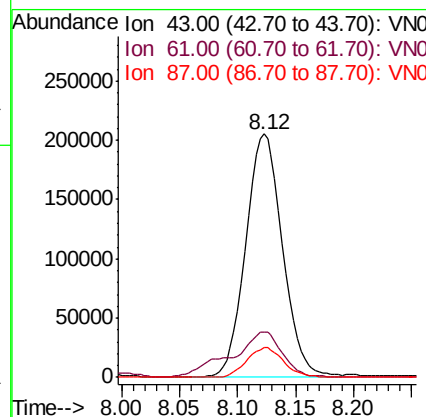
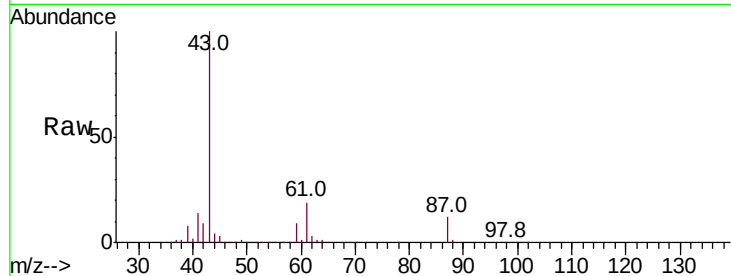
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	452446
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.2	30.4
87	12.4	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 51.642 ug/l

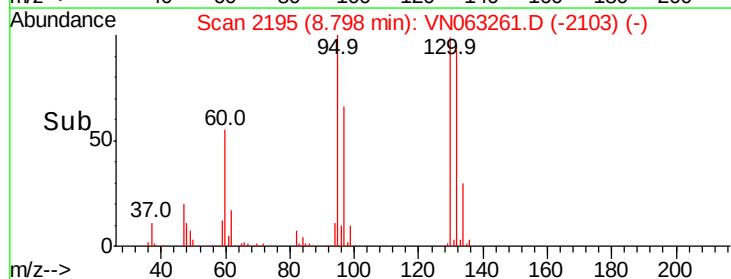
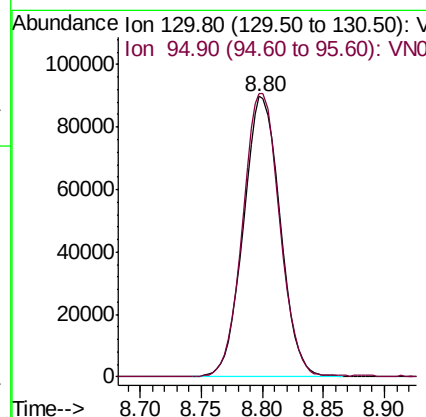
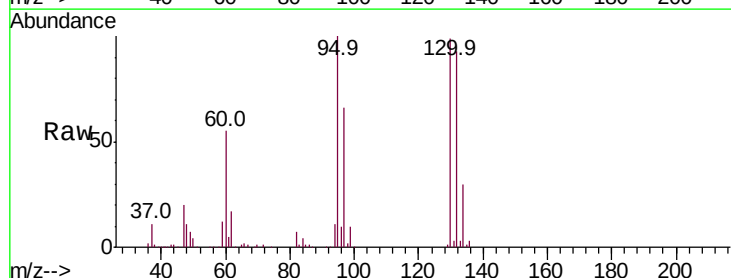
RT: 8.80 min Scan# 2195

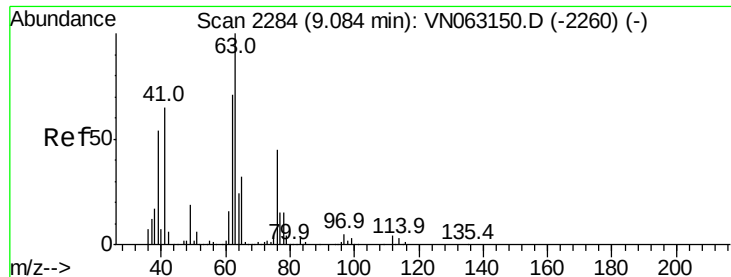
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	130	Resp:	186343
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	212.0





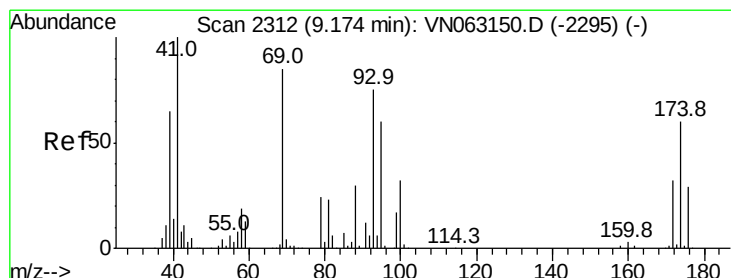
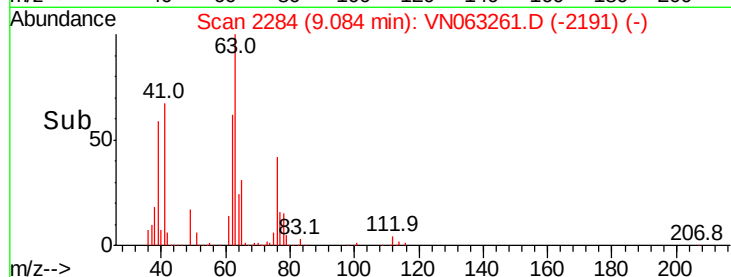
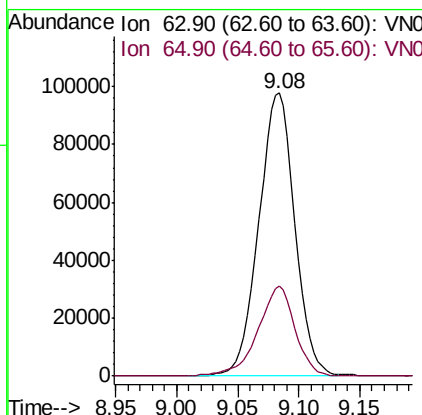
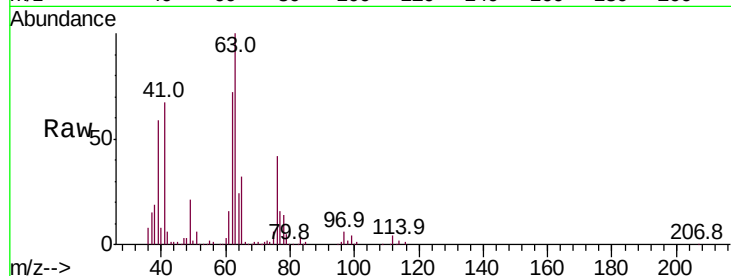
#45
 1,2-Dichloropropane
 Concen: 50.886 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.0

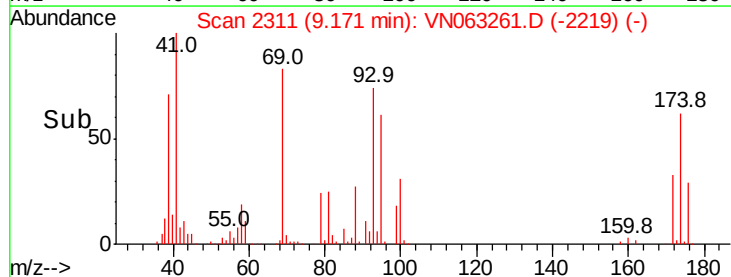
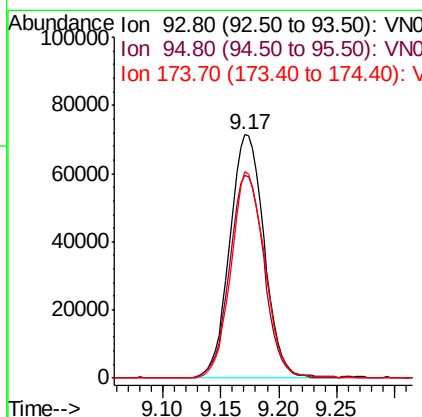
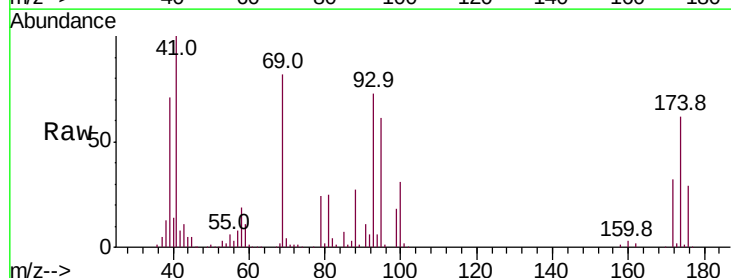
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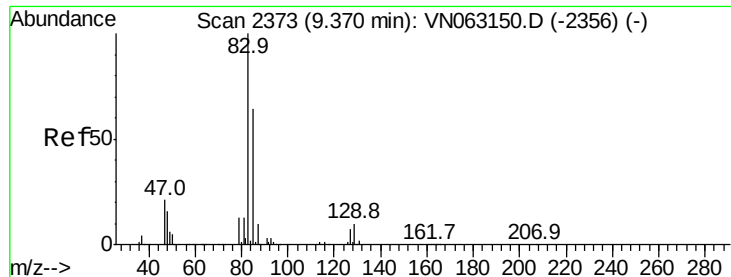
MMDadoda
 9/8/2020 1:33:05 PM



#46
 Dibromomethane
 Concen: 56.404 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.2	97.8
174	82.6	64.6	97.0





#47

Bromodichloromethane

Concen: 53.669 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

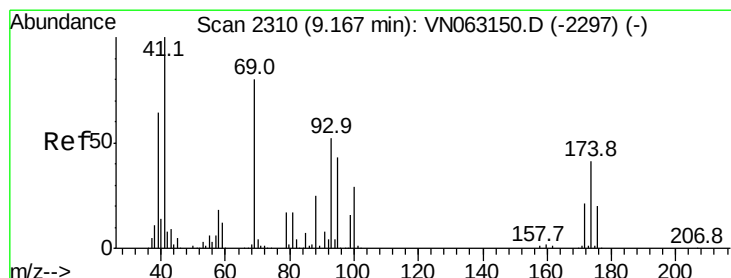
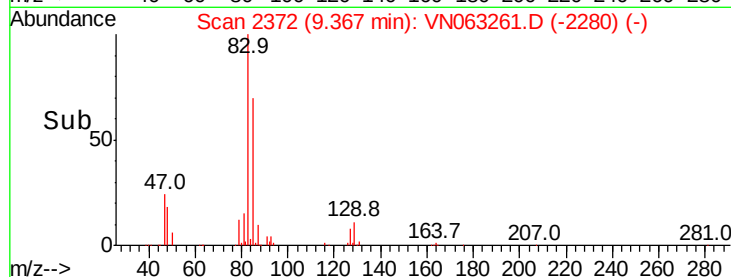
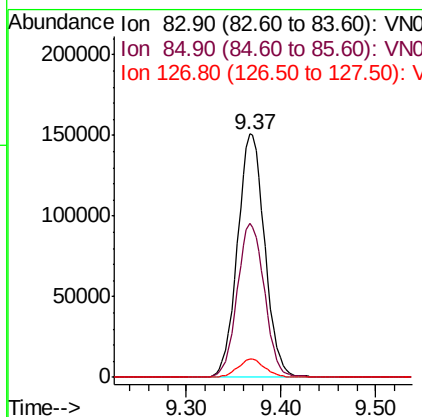
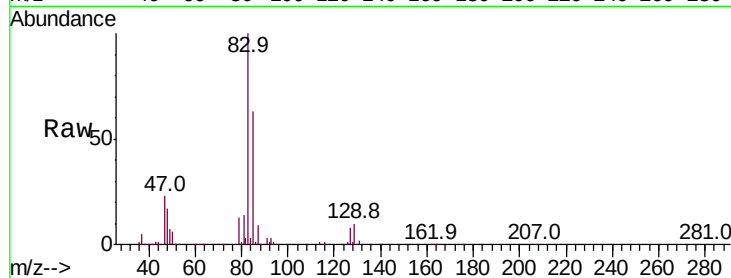
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	300268
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.0	76.6
127	7.5	5.7	8.5

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9/8/2020 1:33:05 PM



#48

Methyl methacrylate

Concen: 56.212 ug/l

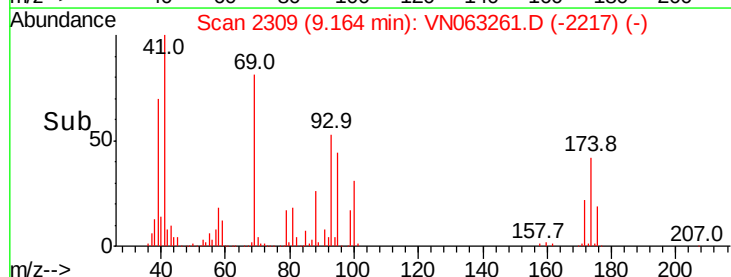
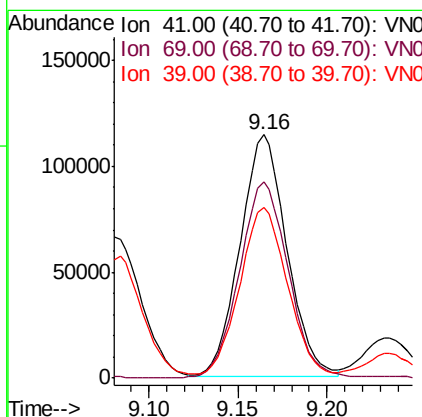
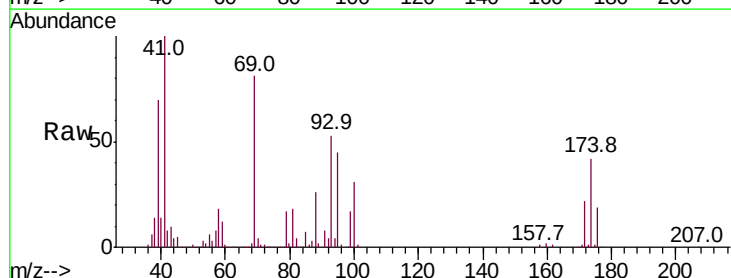
RT: 9.16 min Scan# 2309

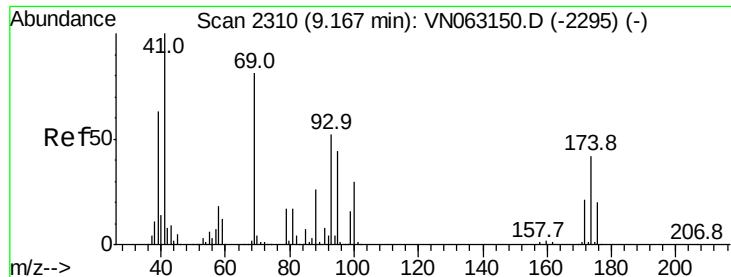
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	41	Resp:	209207
Ion Ratio	Lower	Upper	
41	100		
69	85.2	65.9	98.9
39	72.1	52.0	78.0





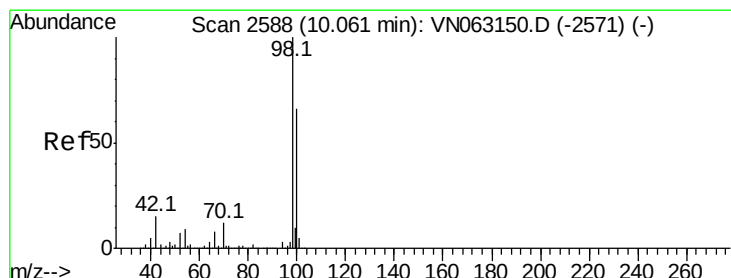
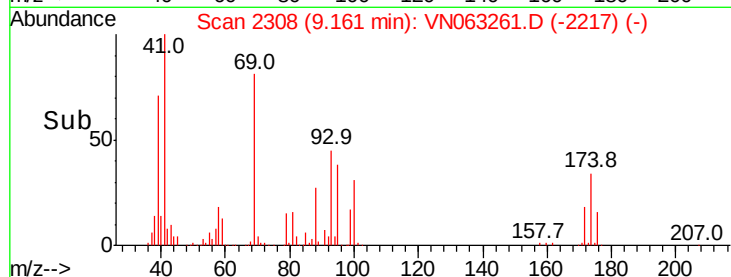
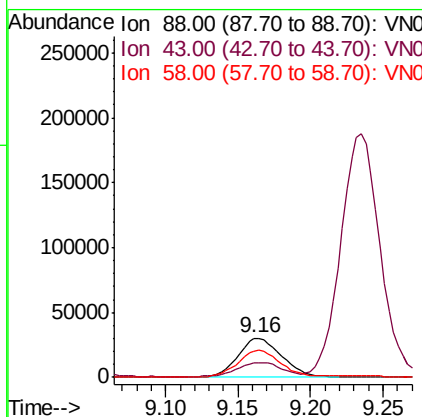
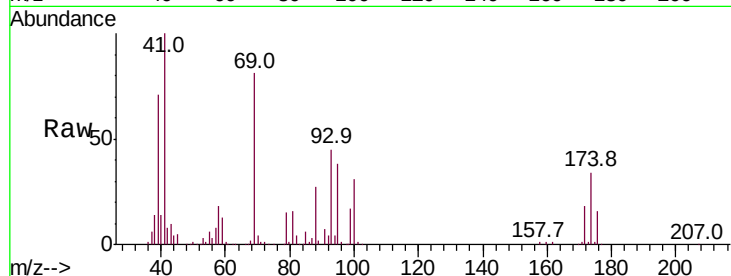
#49
1,4-Dioxane
Concen: 1100.293 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	68.1	53.2	79.8

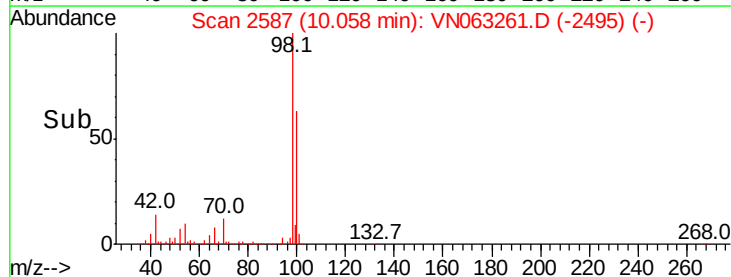
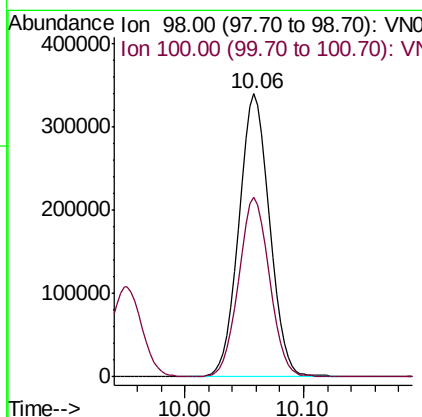
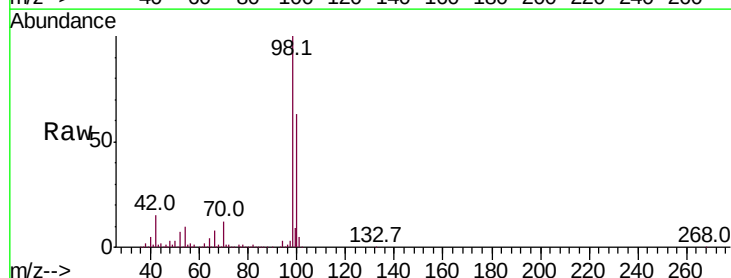
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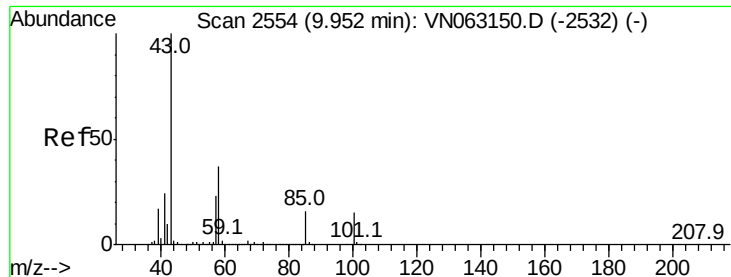
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9/8/2020 1:33:05 PM



#50
Toluene-d8
Concen: 46.660 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.0	78.0





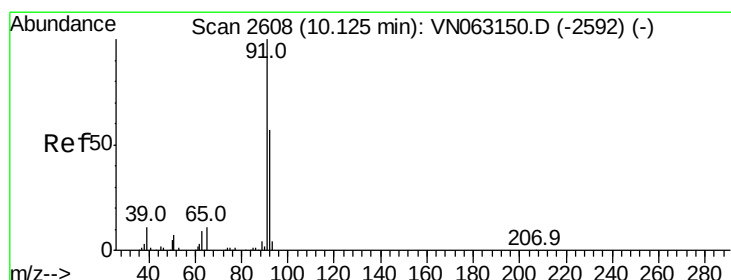
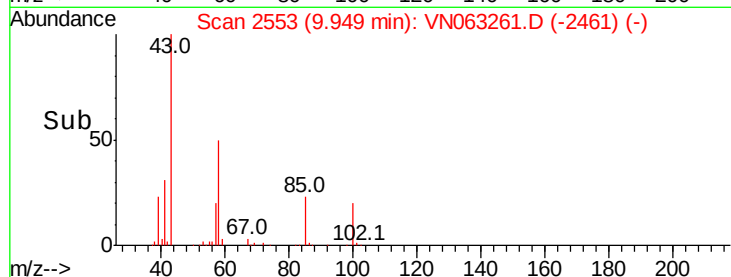
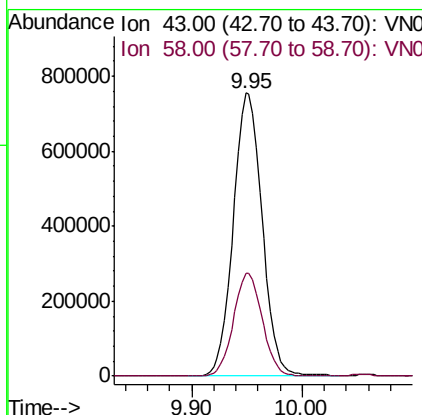
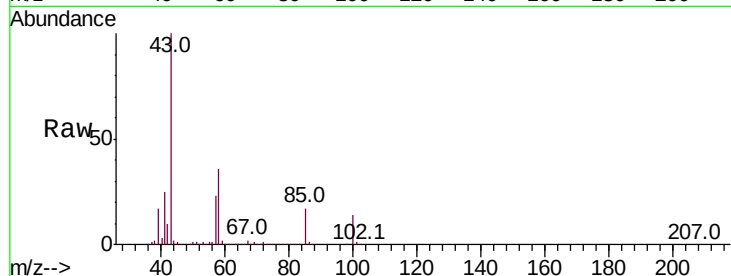
#51
4-Methyl-2-Pentanone
Concen: 305.059 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1368586
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8

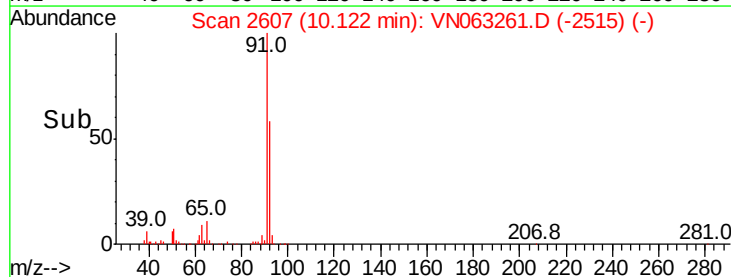
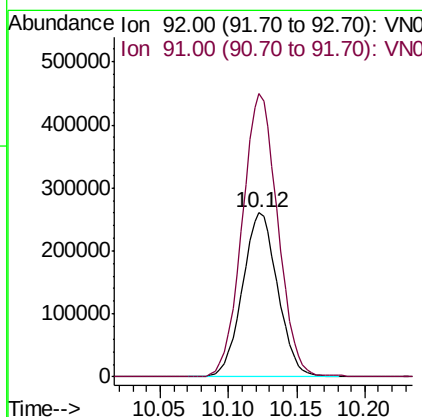
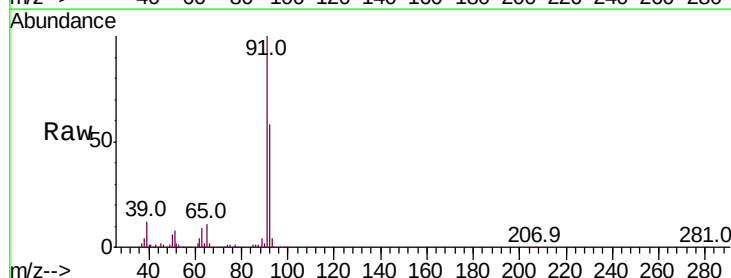
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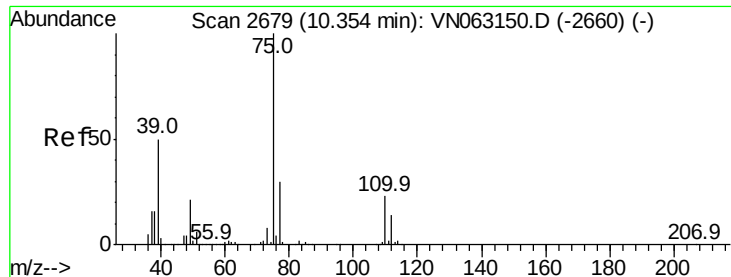
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9/8/2020 1:33:05 PM



#52
Toluene
Concen: 50.326 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion: 92 Resp: 466372
Ion Ratio Lower Upper
92 100
91 174.6 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 50.822 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 311026

Ion Ratio Lower Upper

75 100

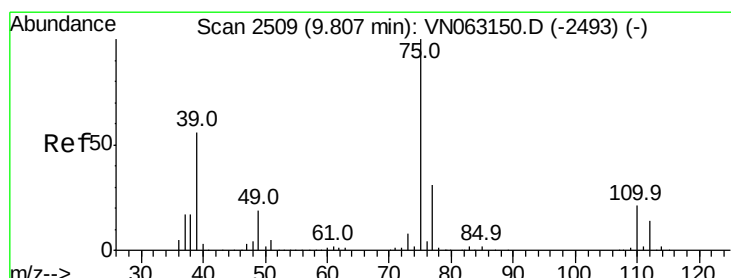
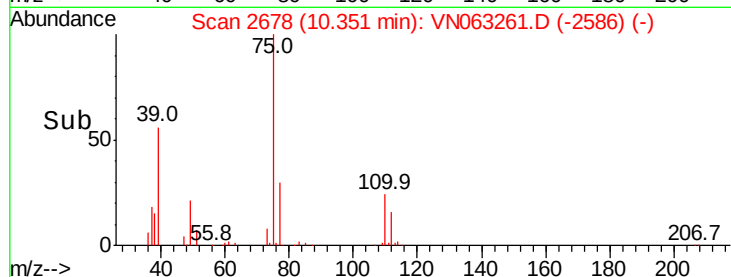
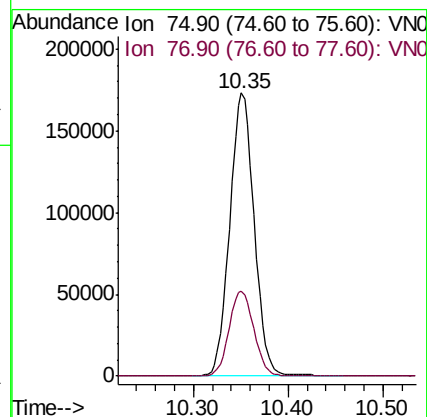
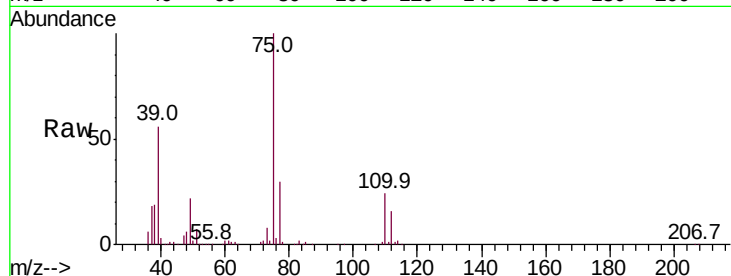
77 30.0 24.2 36.2

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9/8/2020 1:33:05 PM



#54

cis-1,3-Dichloropropene

Concen: 50.778 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

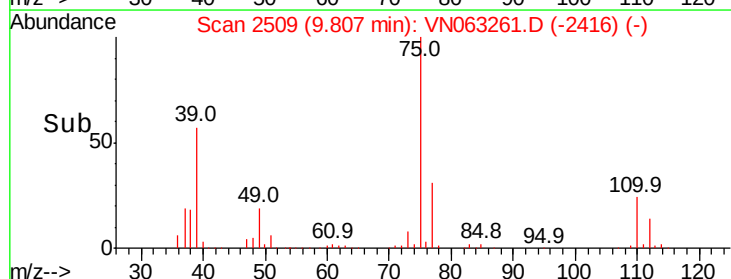
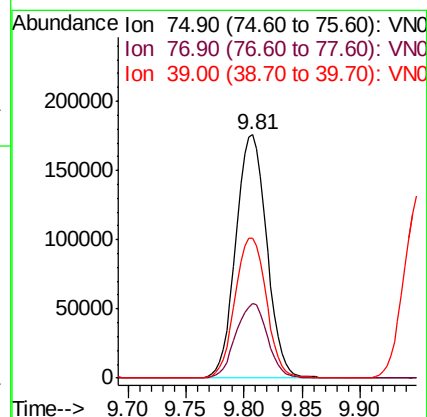
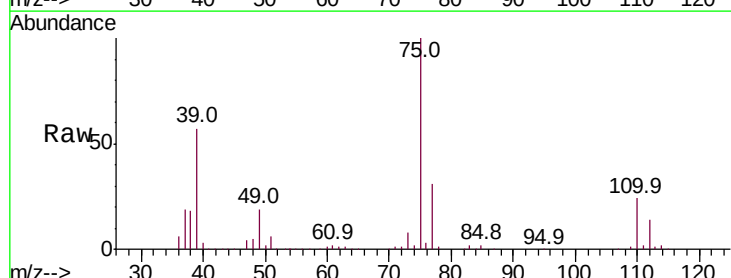
Tgt Ion: 75 Resp: 326196

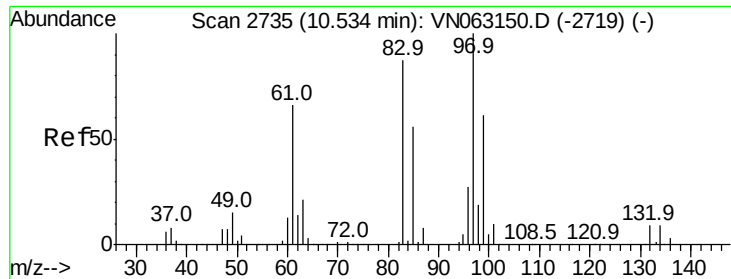
Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 57.1 45.0 67.6





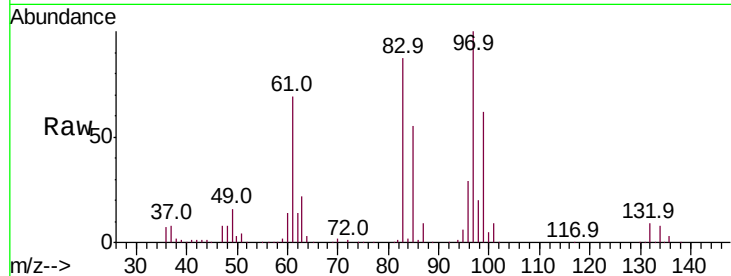
#55
 1,1,2-Trichloroethane
 Concen: 57.391 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

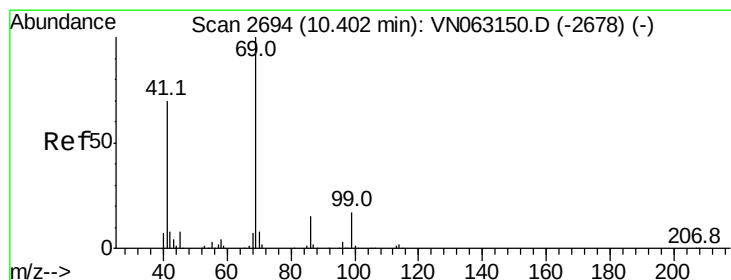
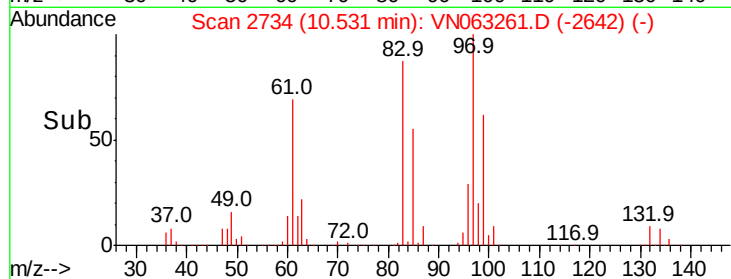
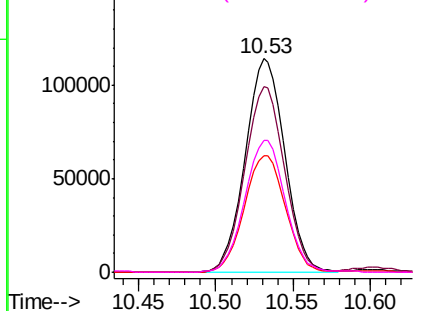
Tot Ion	Ratio	Resp	Lower	Upper
97	100	203680		
83	87.1	69.8	104.8	
85	54.7	44.9	67.3	
99	61.7	48.8	73.2	

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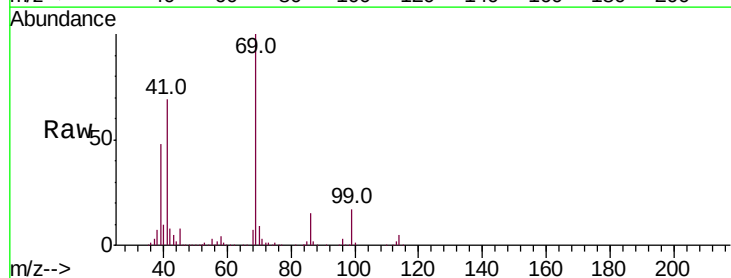


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

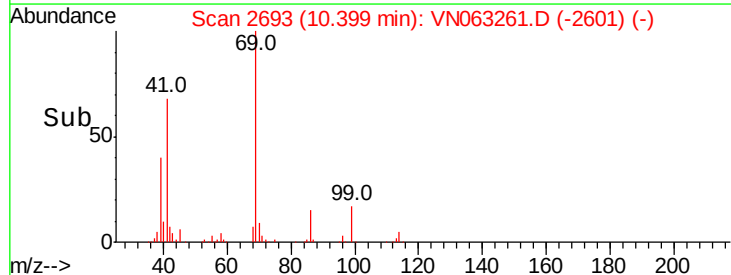
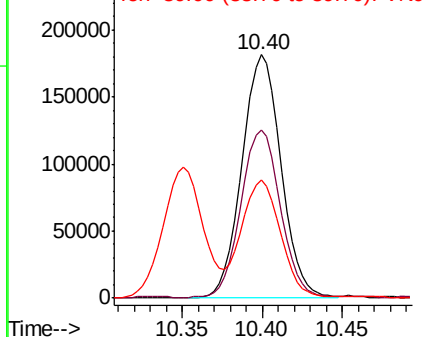


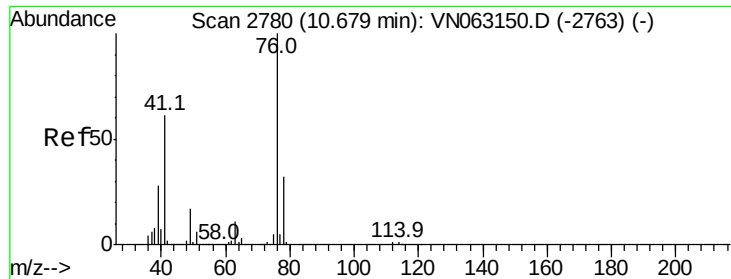
#56
 Ethyl methacrylate
 Concen: 56.196 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	303516		
41	69.1	55.5	83.3	
39	47.6	38.2	57.2	



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





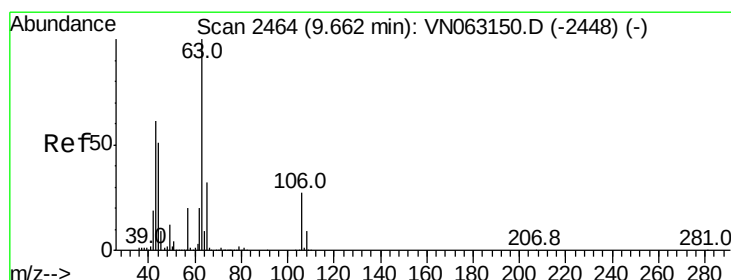
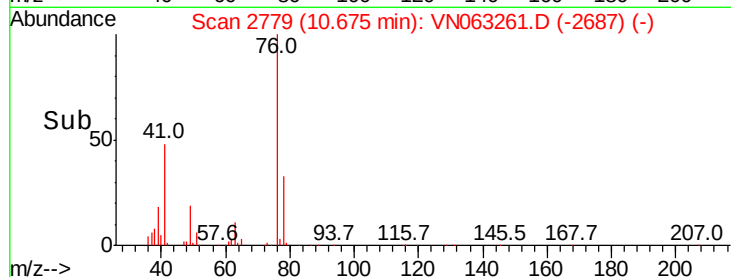
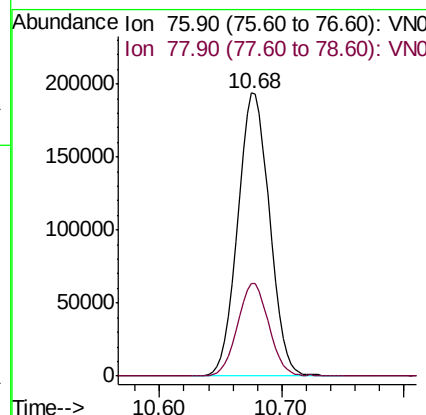
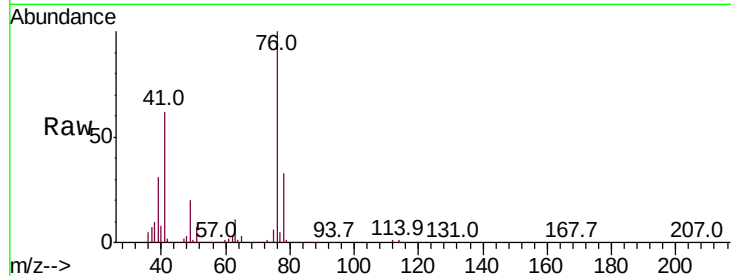
#57
 1,3-Dichloropropane
 Concen: 55.387 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

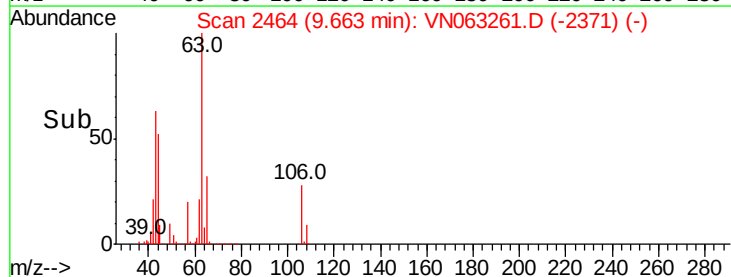
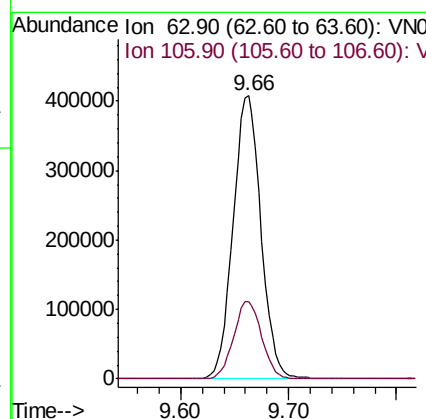
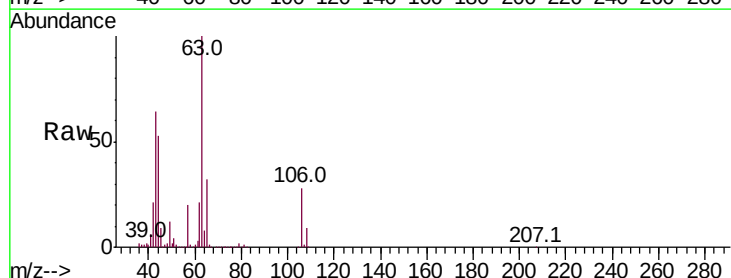
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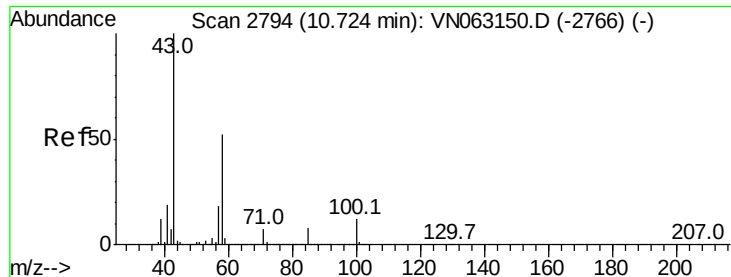
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#58
 2-Chloroethyl Vinyl ether
 Concen: 262.696 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.8	32.6





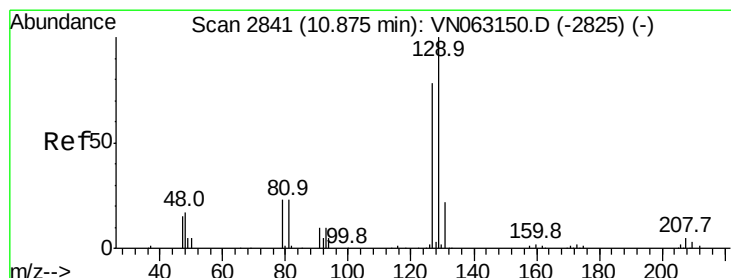
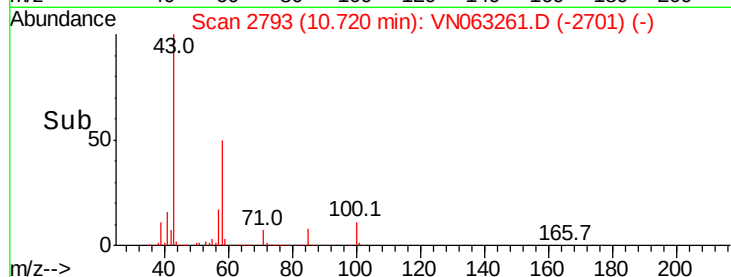
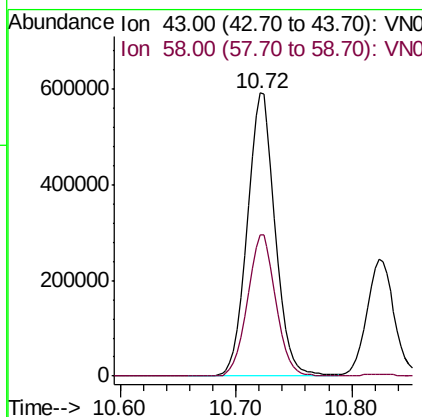
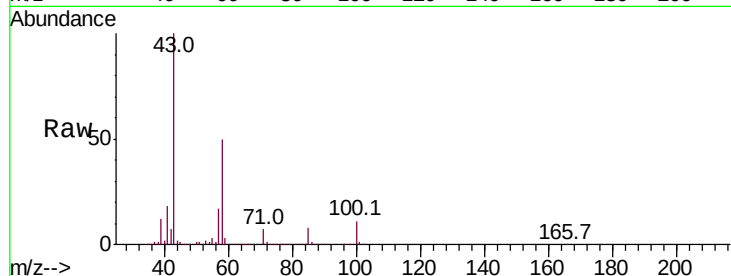
#59
2-Hexanone
Concen: 313.110 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 987208
Ion Ratio Lower Upper
43 100
58 51.0 25.9 77.8

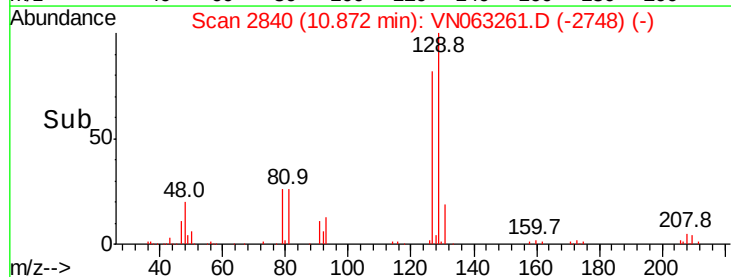
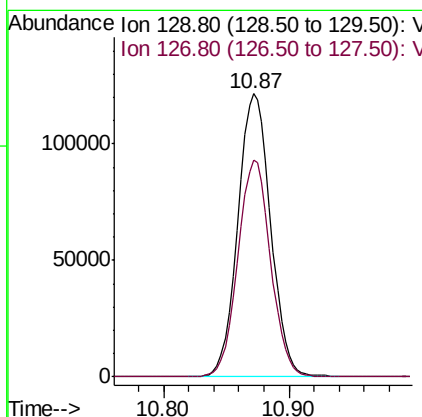
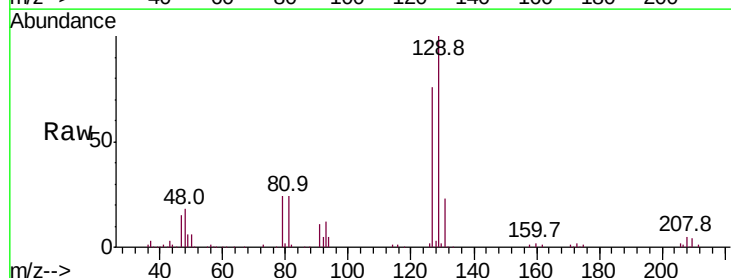
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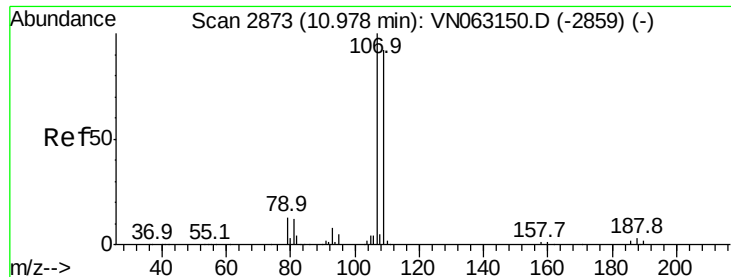
MMDadoda
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#60
Dibromochloromethane
Concen: 56.173 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion: 129 Resp: 220403
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





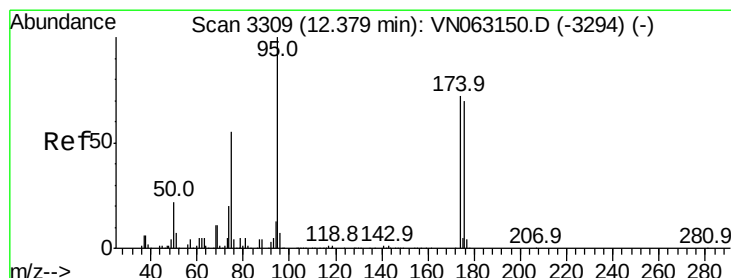
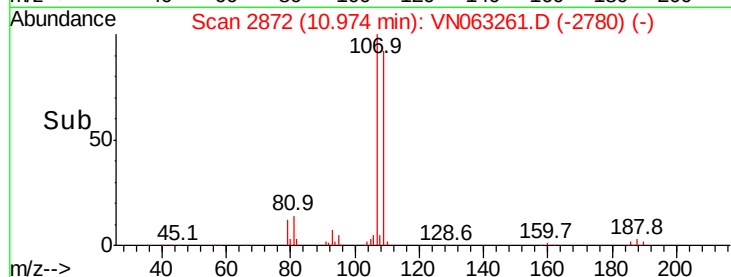
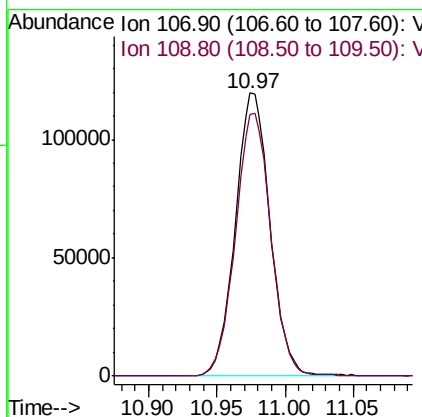
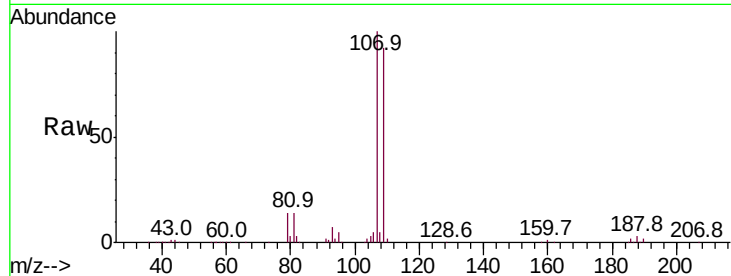
#61
 1,2-Dibromoethane
 Concen: 57.285 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211340		
109	94.8	73.4	110.0	

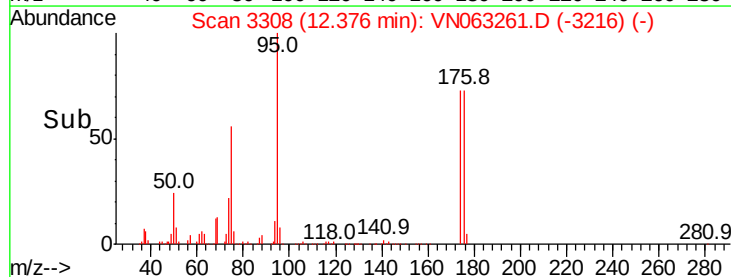
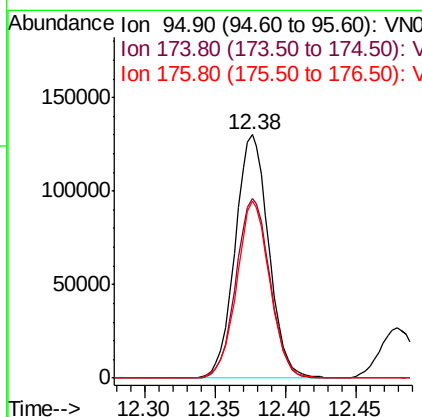
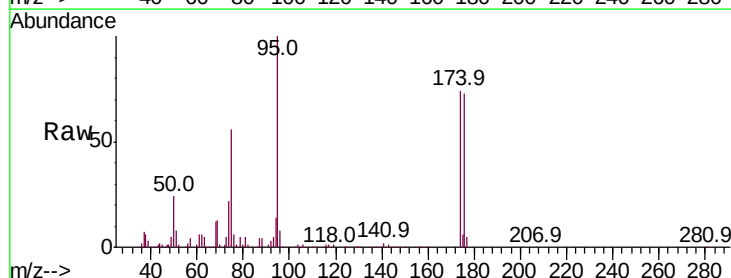
Manual Integrations
 APPROVED

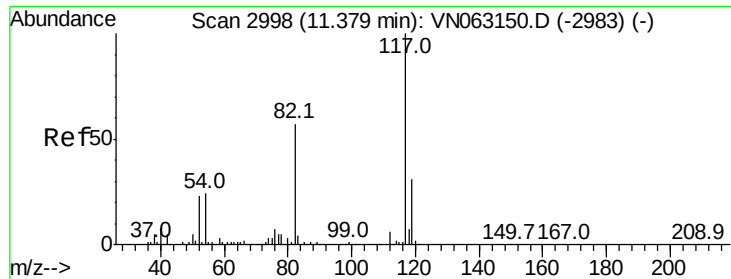
MMDadoda
 9/8/2020 1:33:05 PM



#62
 4-Bromofluorobenzene
 Concen: 47.635 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	216672		
174	74.8	0.0	143.8	
176	71.9	0.0	138.4	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

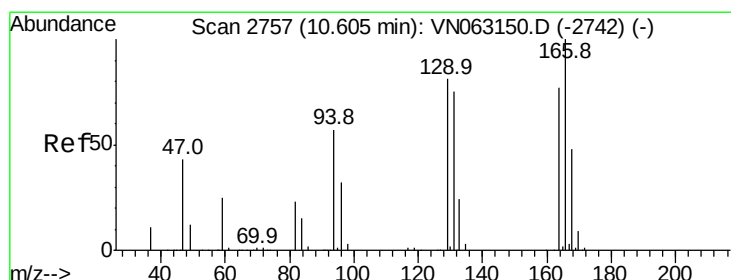
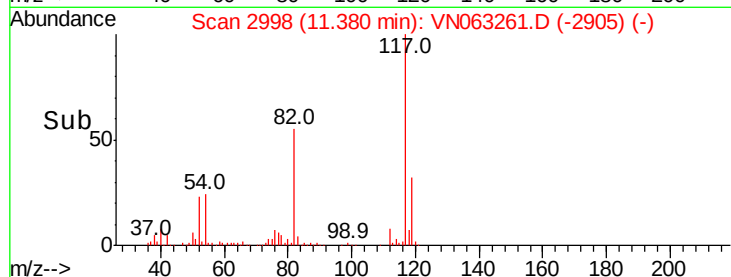
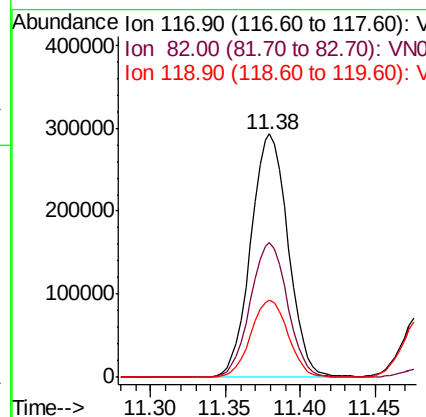
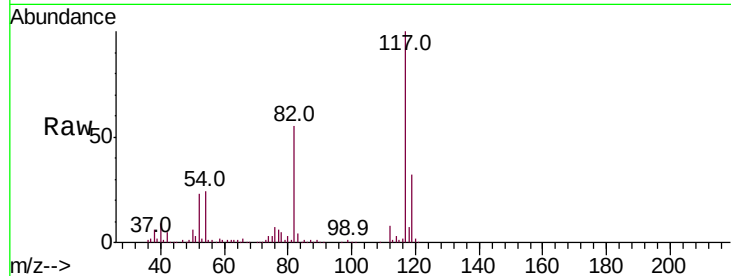
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	507633
Ion Ratio	Lower	Upper	
117	100		
82	55.1	45.4	68.0
119	31.8	24.6	37.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.360 ug/l

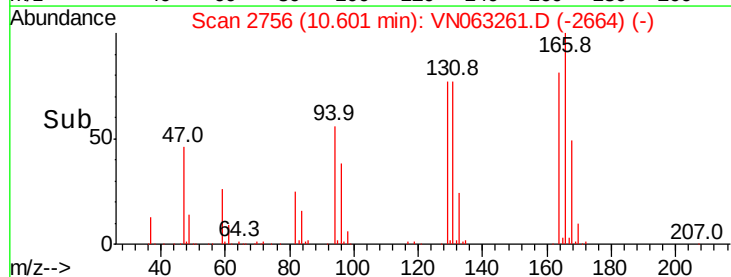
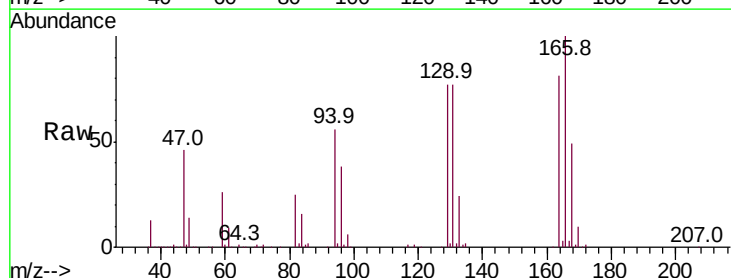
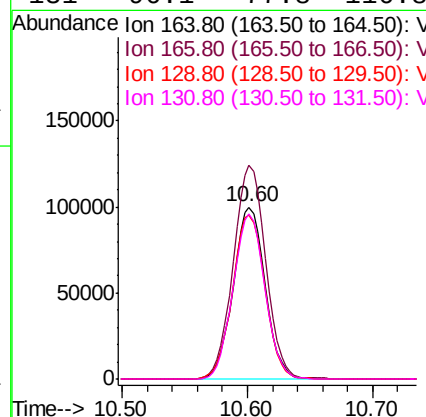
RT: 10.60 min Scan# 2756

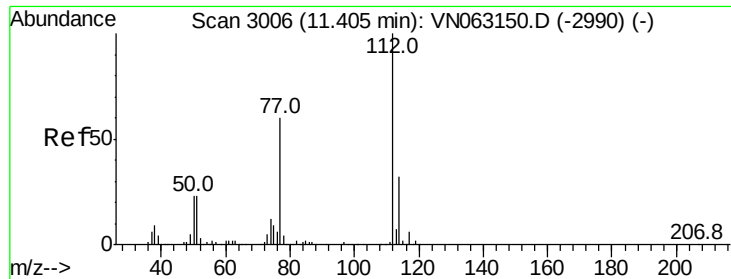
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	164	Resp:	176288
Ion Ratio	Lower	Upper	
164	100		
166	124.1	103.4	155.2
129	95.5	83.4	125.0
131	96.1	77.8	116.8





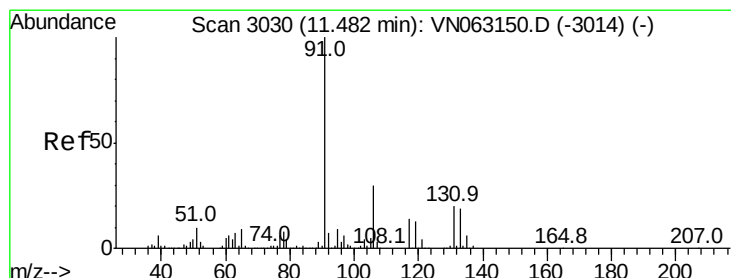
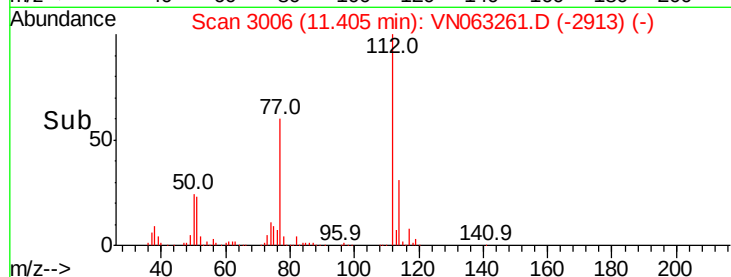
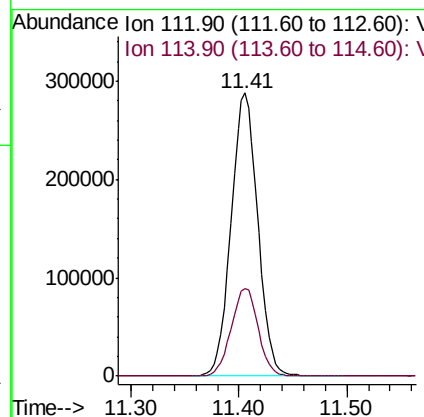
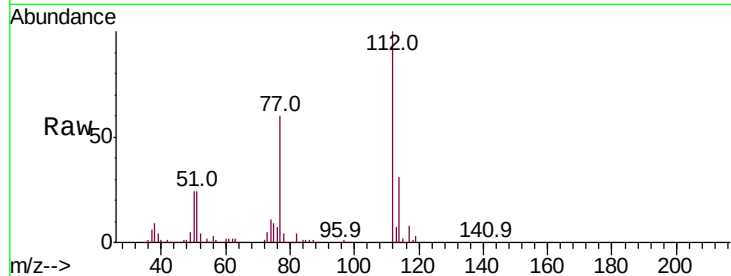
#65
Chlorobenzene
Concen: 48.492 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	495795		
114	31.1	25.2	37.8	

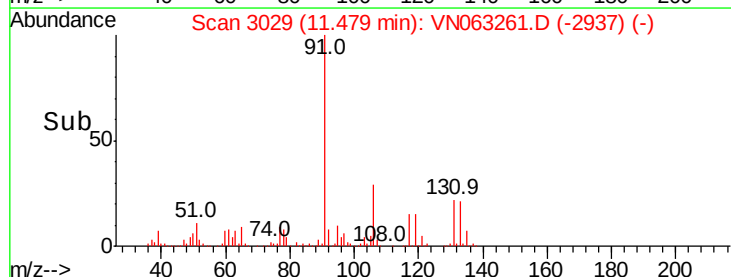
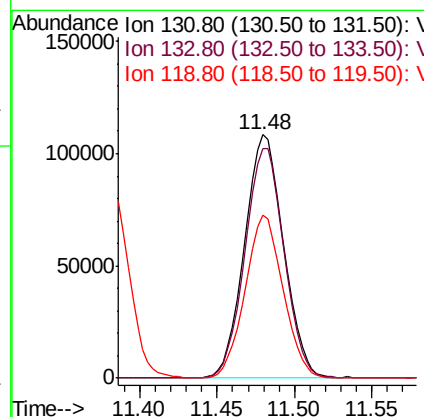
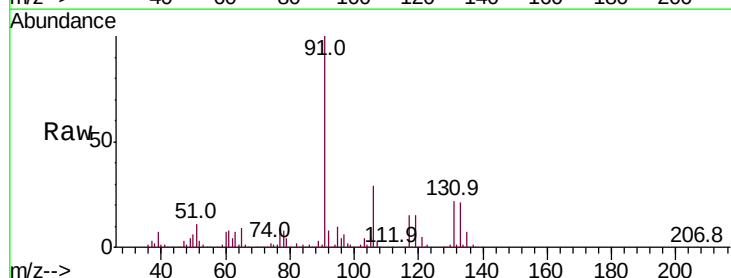
Manual Integrations
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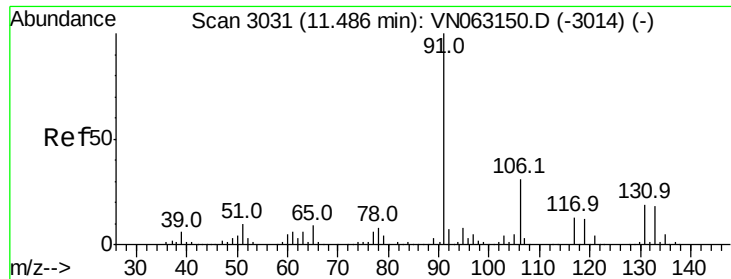
MMDadoda
9/8/2020 1:33:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.354 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	191146		
133	94.4	47.3	142.0	
119	64.3	32.4	97.0	





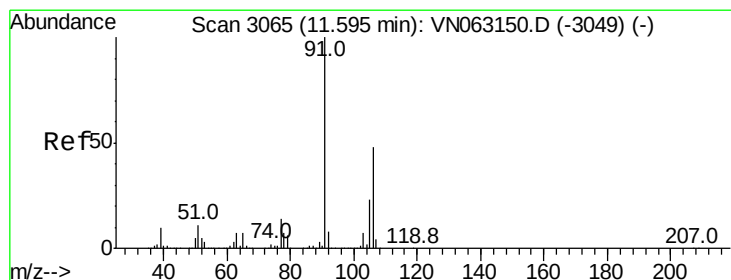
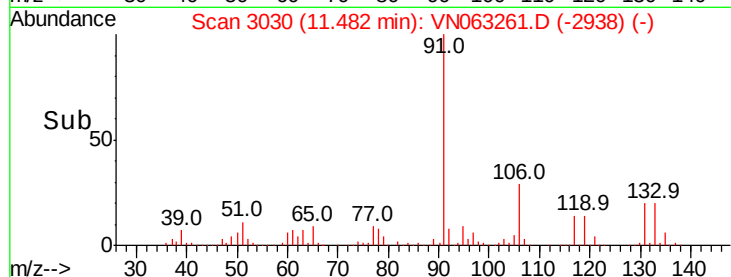
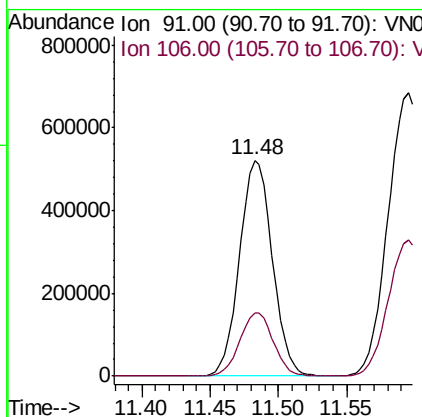
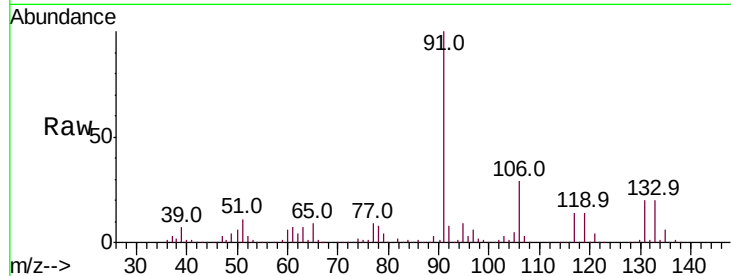
#67
Ethyl Benzene
Concen: 46.781 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 872566
Ion Ratio Lower Upper
91 100
106 29.1 24.4 36.6

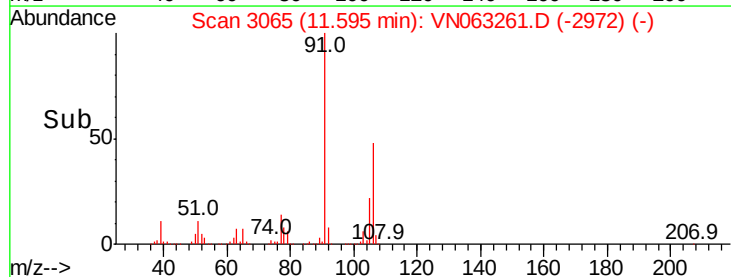
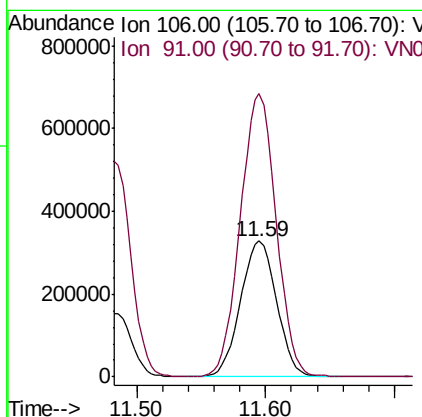
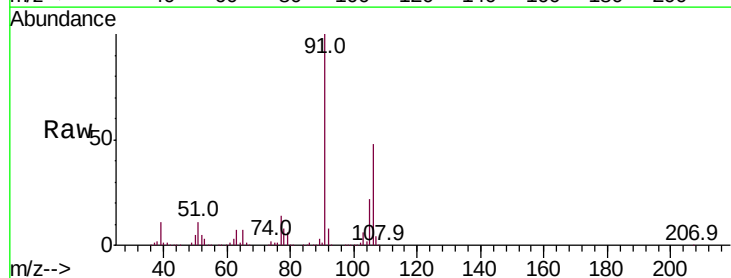
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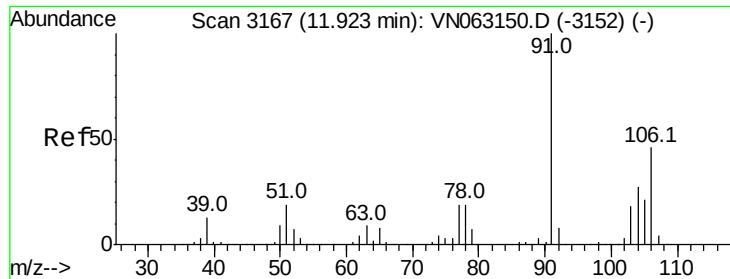
MMDadoda
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#68
m/p-Xylenes
Concen: 92.422 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion: 106 Resp: 638469
Ion Ratio Lower Upper
106 100
91 207.1 166.7 250.1





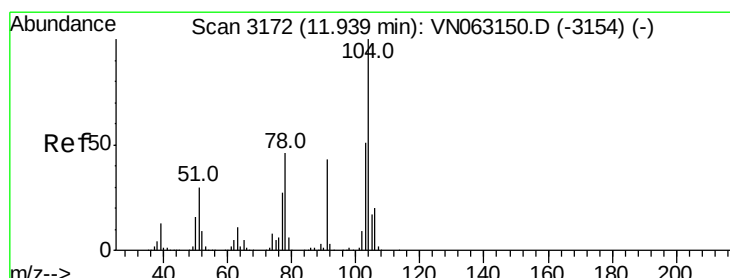
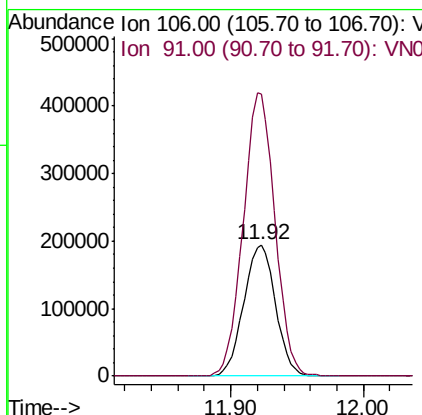
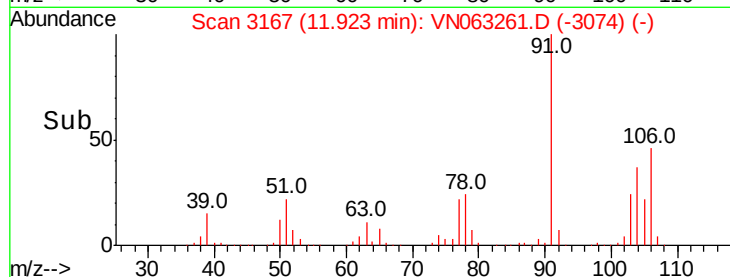
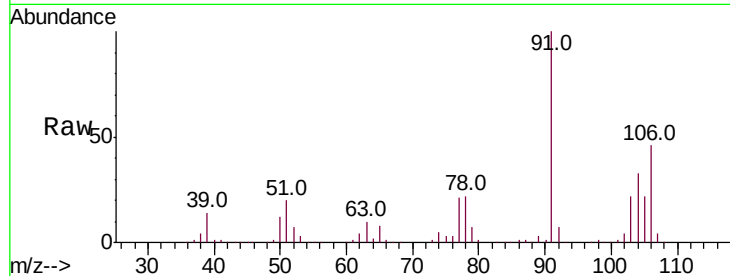
#69
o-Xylene
Concen: 48.502 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 323684
Ion Ratio Lower Upper
106 100
91 215.6 108.6 325.6

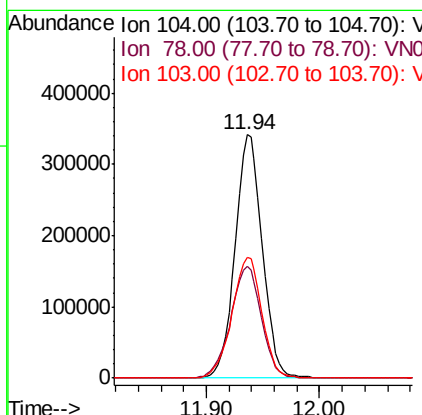
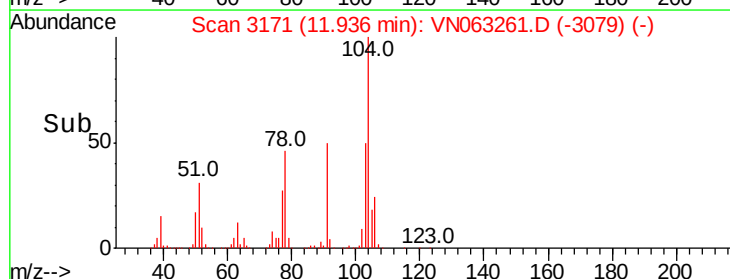
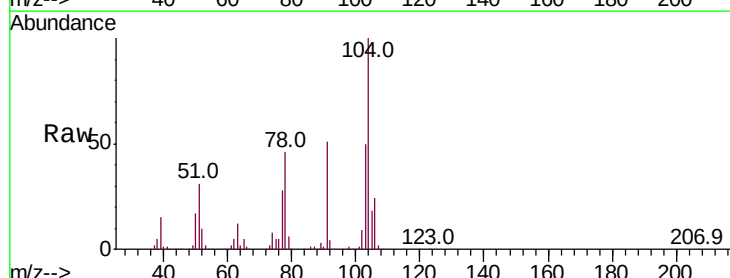
Manual Integrations
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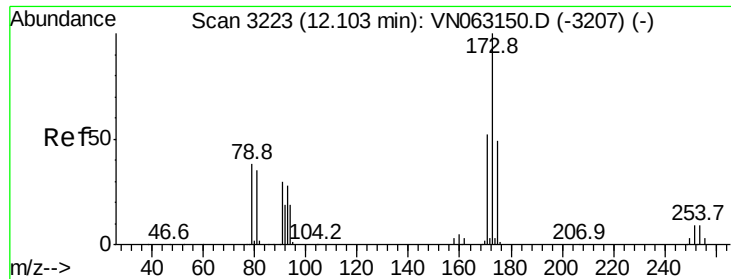
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#70
Styrene
Concen: 49.897 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion:104 Resp: 572278
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.6
103 54.6 43.8 65.8





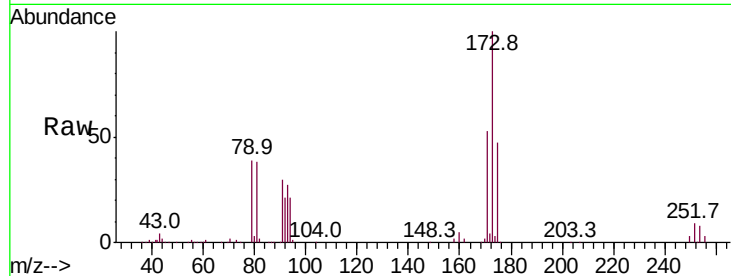
#71
Bromoform
Concen: 53.973 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	73.8
254	0.0	0.0	0.0#

Manual Integrations
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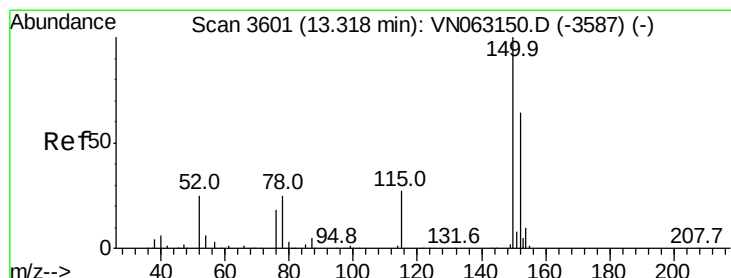
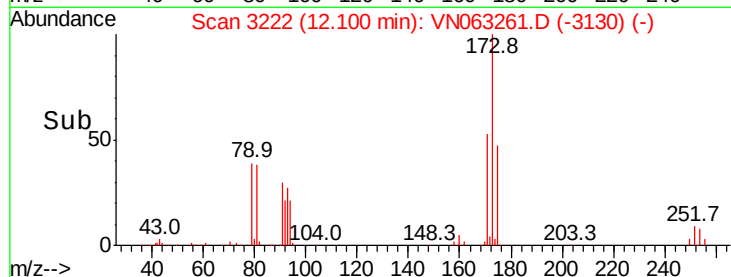
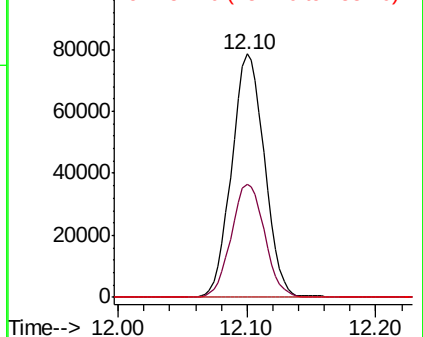


Abundance

Ion 172.70 (172.40 to 173.40): V

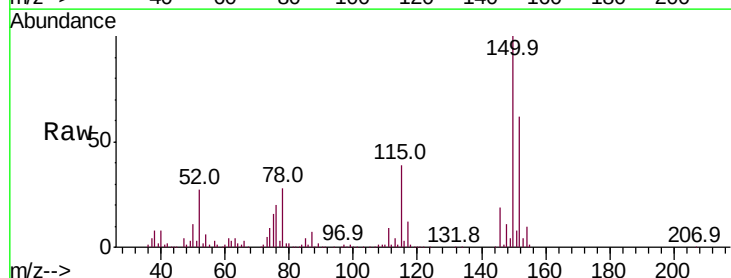
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	32.0	96.2
150	171.3	0.0	353.0

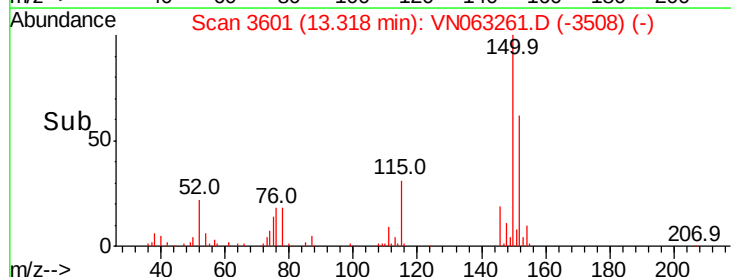
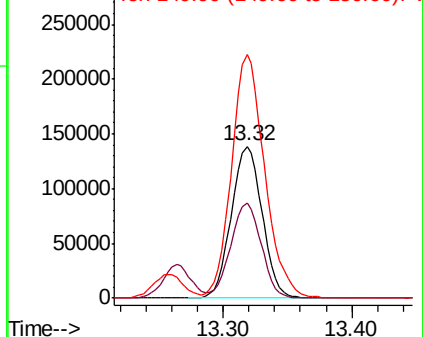


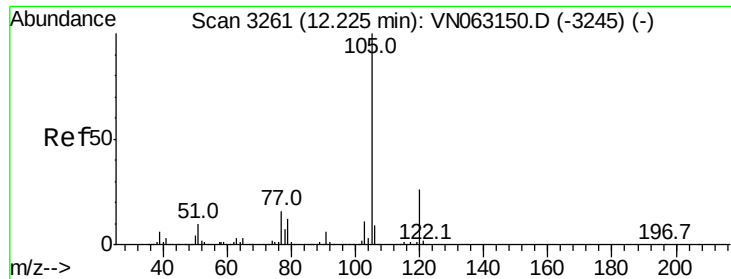
Abundance

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: 44.263 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 783014

Ion Ratio Lower Upper

105 100

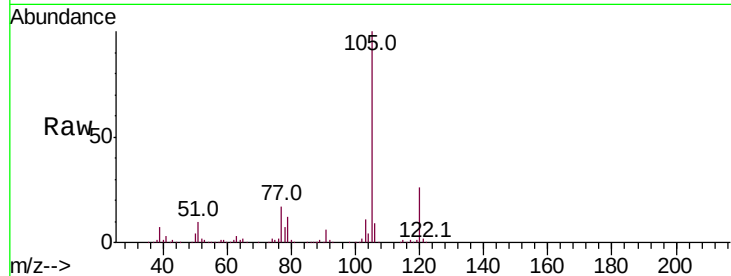
120 25.4 12.9 38.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.23

500000

400000

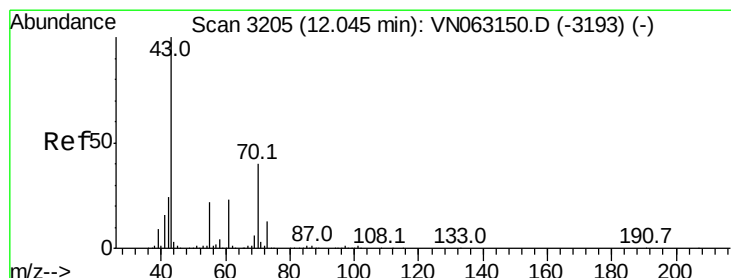
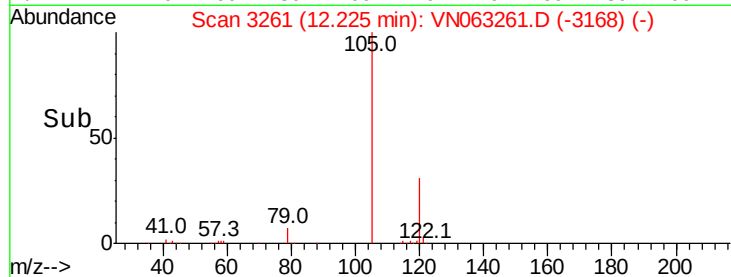
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 55.974 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion: 43 Resp: 410148

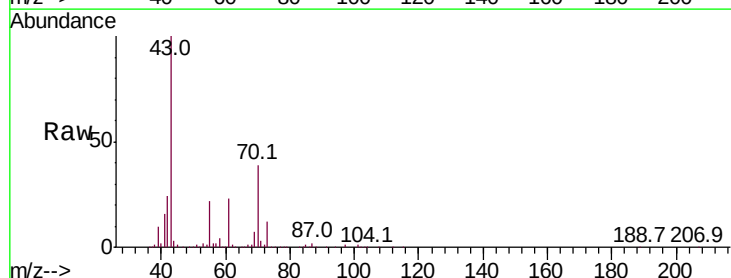
Ion Ratio Lower Upper

43 100

70 39.2 32.1 48.1

55 22.1 17.4 26.0

61 22.7 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

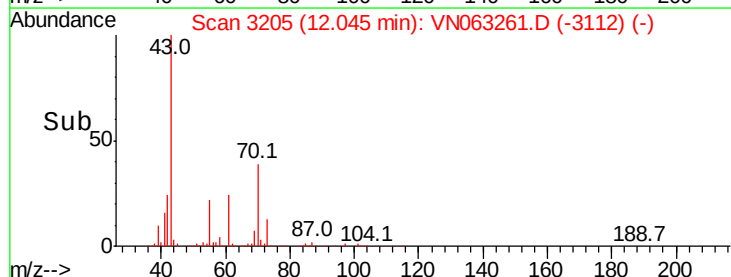
300000

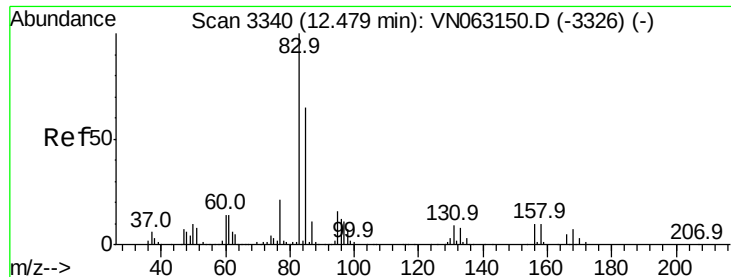
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.358 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

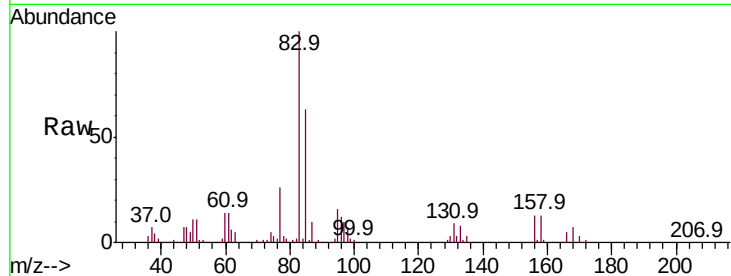
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	277233
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.0
85	65.1	32.7	98.1

Manual Integrations
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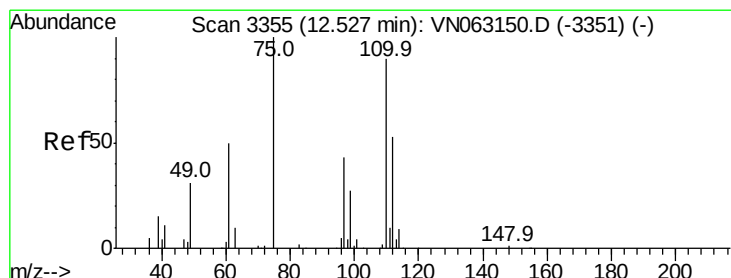
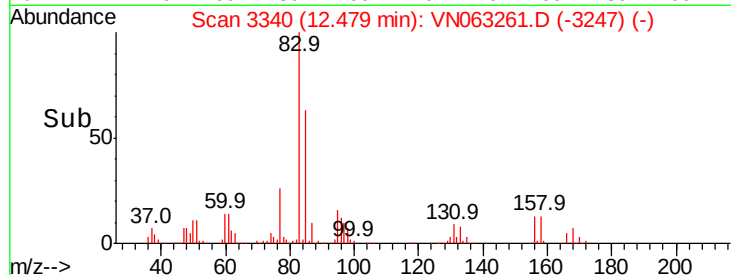
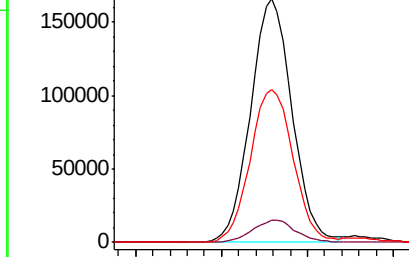
MMDadoda
9/8/2020 1:33:05 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063261.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063261.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063261.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 51.654 ug/l m

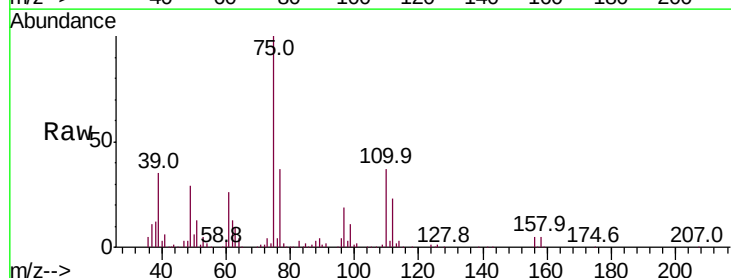
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063261.D

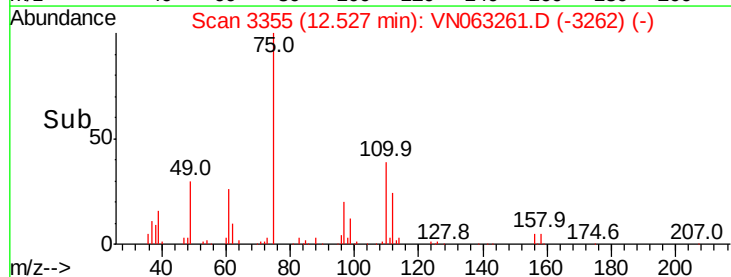
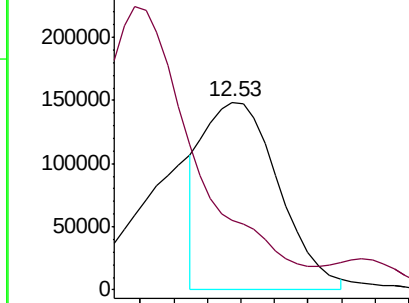
Acq: 5 Sep 2020 1:09

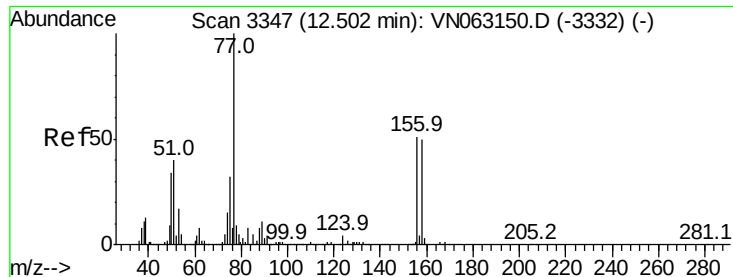
Tgt Ion:	75	Resp:	234079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063261.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063261.D (-3262) (-)





#77

Bromobenzene

Concen: 50.879 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

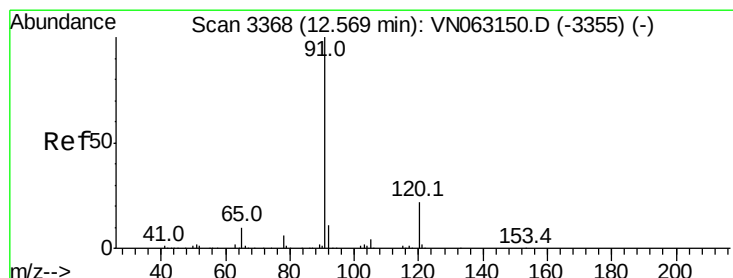
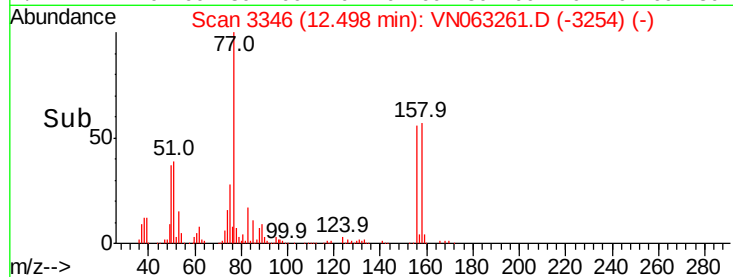
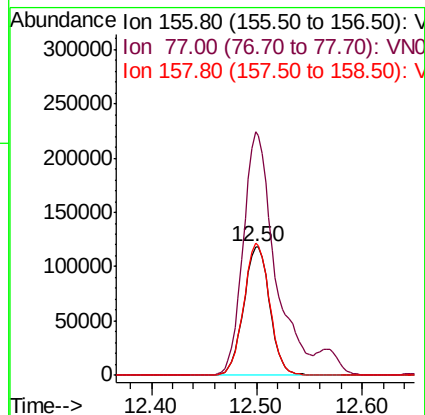
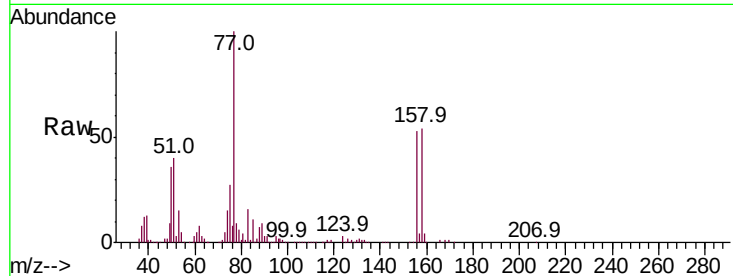
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	203555
Ion Ratio	Lower	Upper	
156	100		
77	229.6	116.1	348.3
158	101.3	48.8	146.4

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#78

n-propylbenzene

Concen: 43.313 ug/l

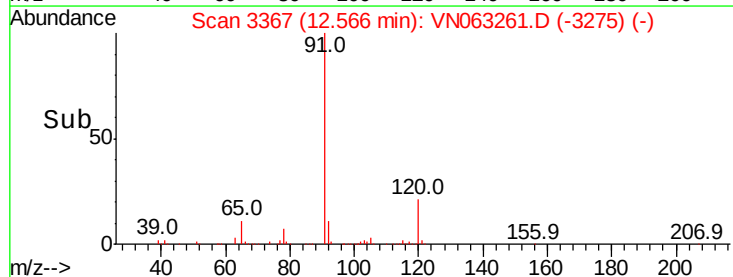
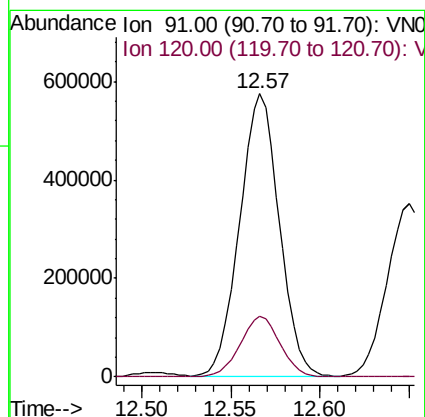
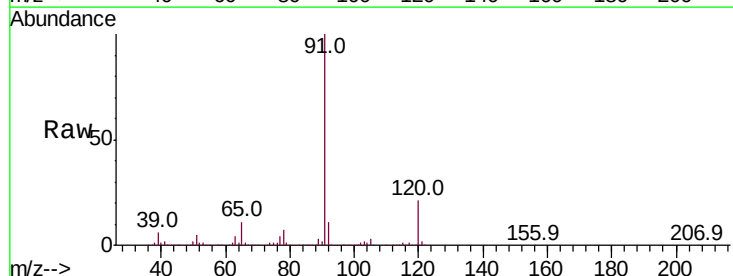
RT: 12.57 min Scan# 3367

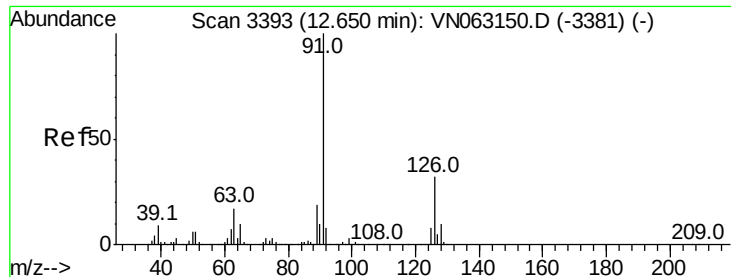
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	91	Resp:	886637
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.429 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 569245

Ion Ratio Lower Upper

91 100

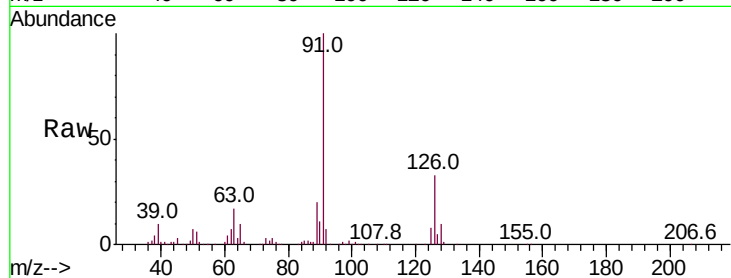
126 33.2 16.1 48.3

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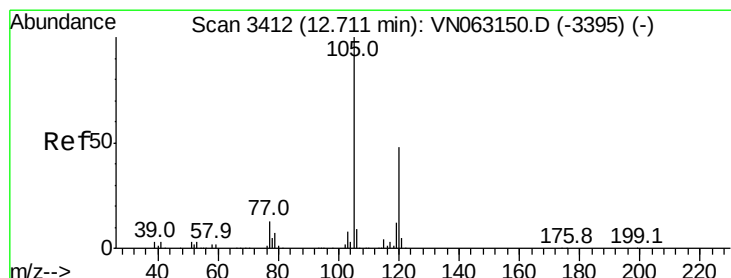
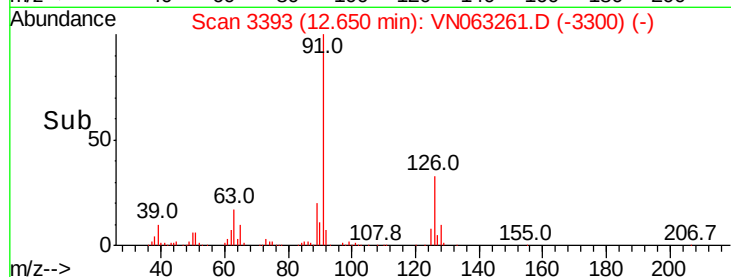
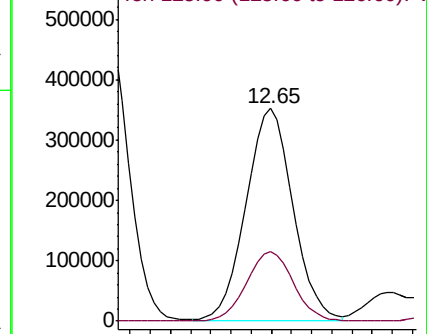
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 44.042 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063261.D

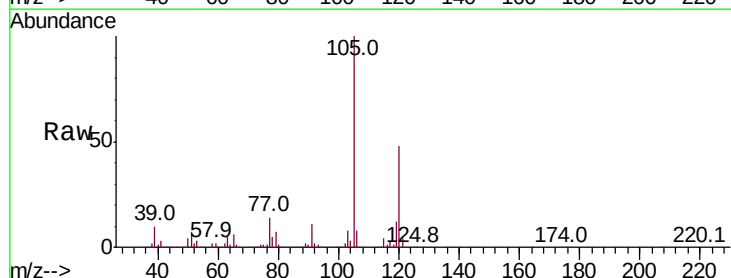
Acq: 5 Sep 2020 1:09

Tgt Ion:105 Resp: 648504

Ion Ratio Lower Upper

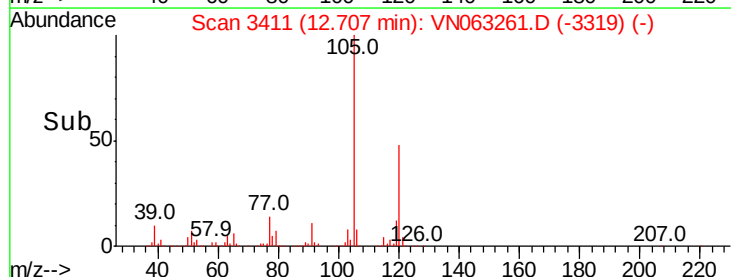
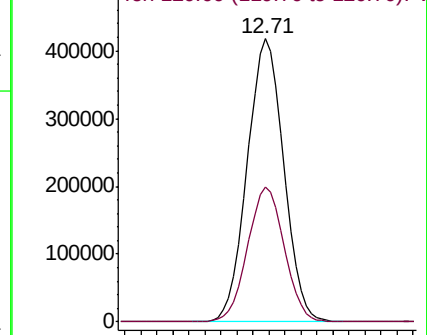
105 100

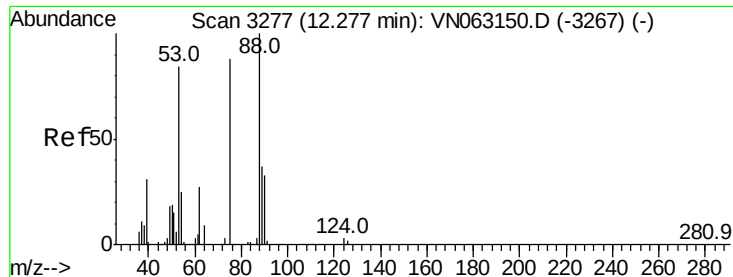
120 48.2 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 45.446 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

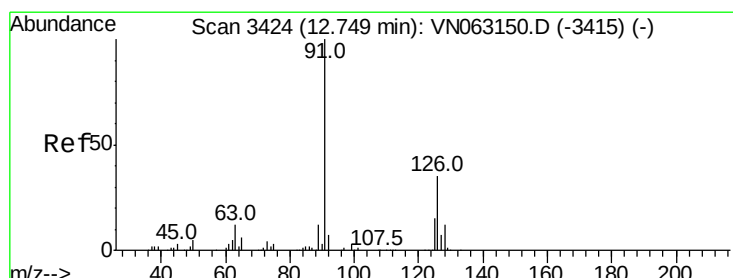
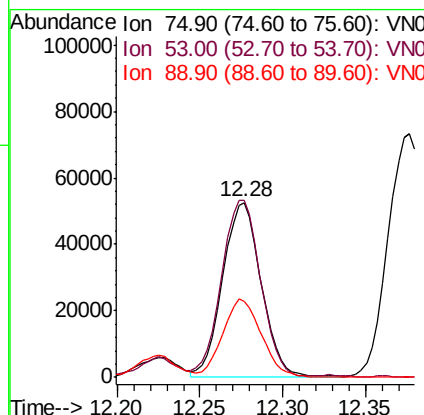
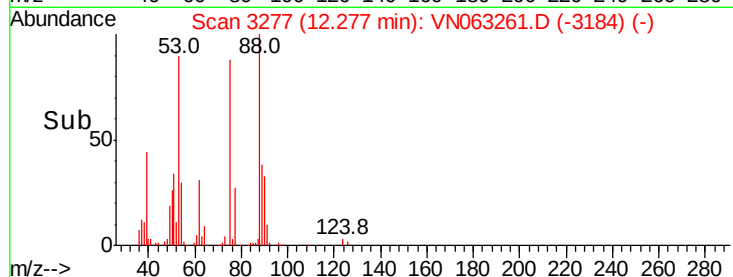
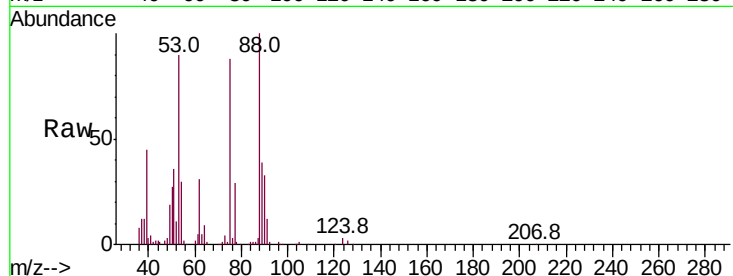
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	85207
Ion	Ratio	Lower	Upper
75	100		
53	101.0	78.7	118.1
89	44.9	35.3	52.9

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#82

4-Chlorotoluene

Concen: 46.799 ug/l

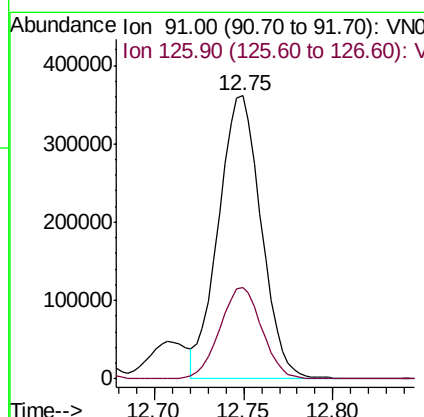
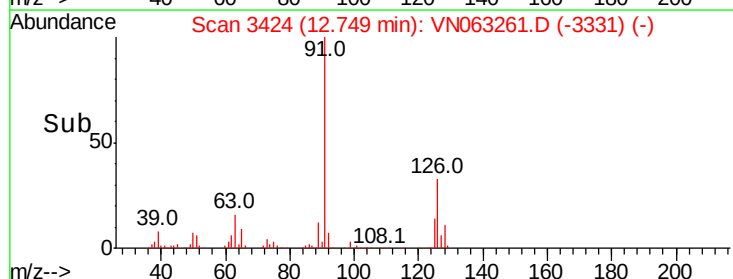
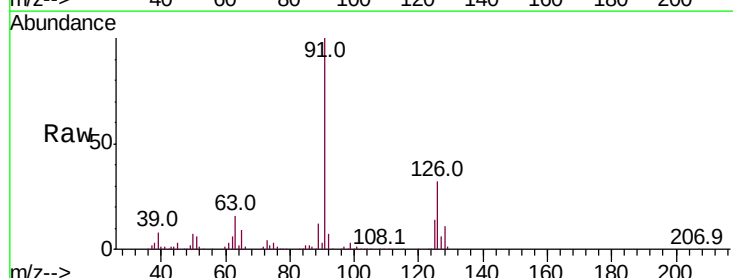
RT: 12.75 min Scan# 3424

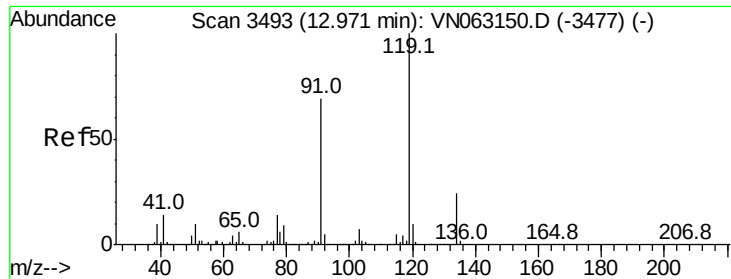
Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	91	Resp:	595090
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





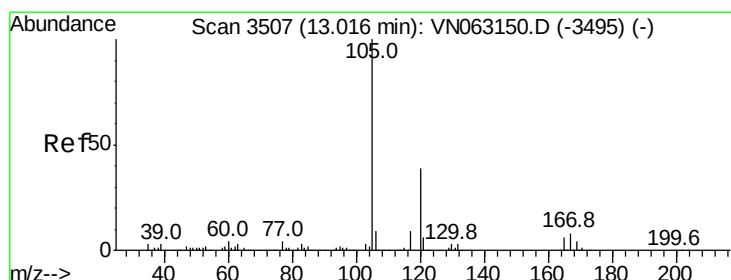
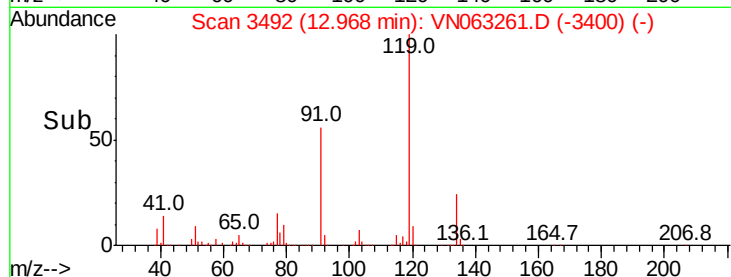
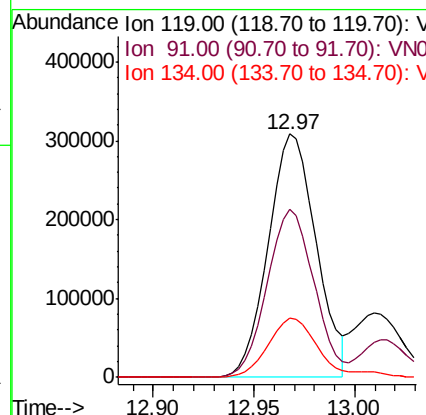
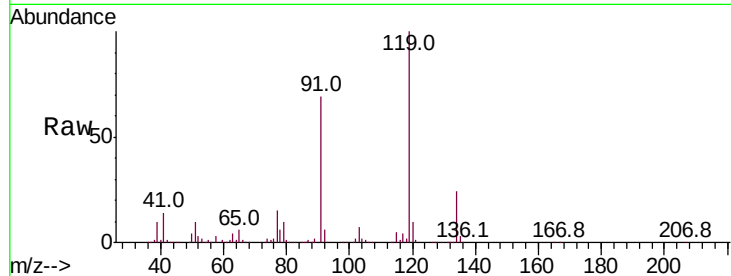
#83
 tert-Butylbenzene
 Concen: 40.416 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	510375		
91	67.9		33.7	101.0
134	25.8		12.0	36.0

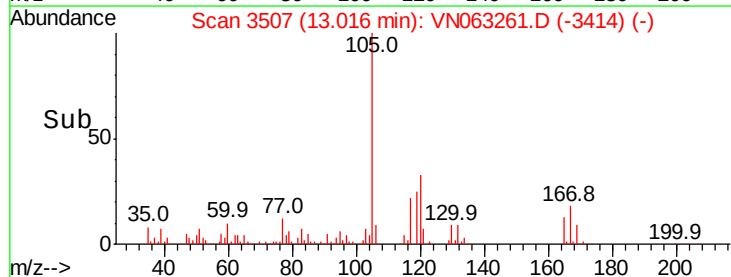
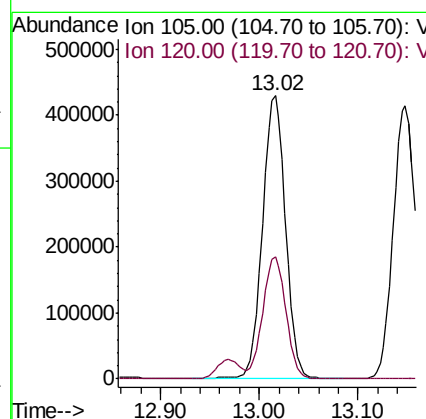
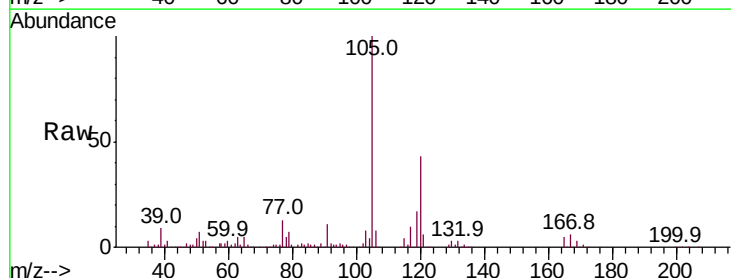
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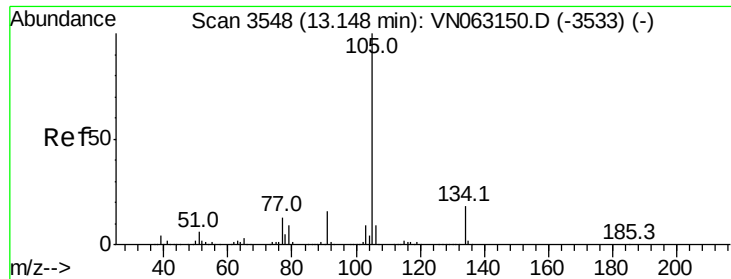
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.503 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	690185		
120	43.2		22.6	67.7





#85

sec-Butylbenzene

Concen: 39.885 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 656424

Ion Ratio Lower Upper

105 100

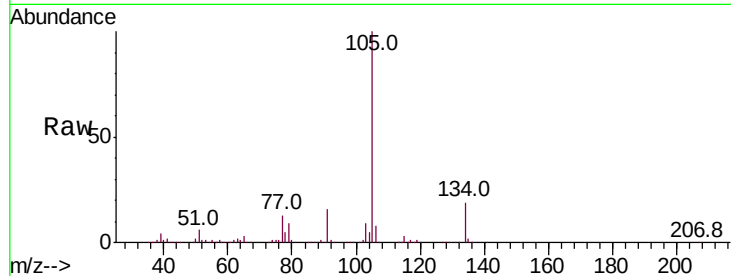
134 18.6 9.4 28.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

400000

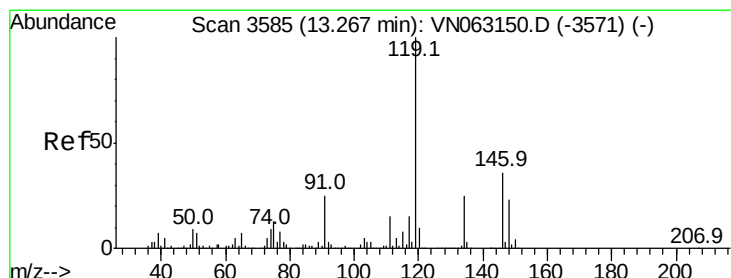
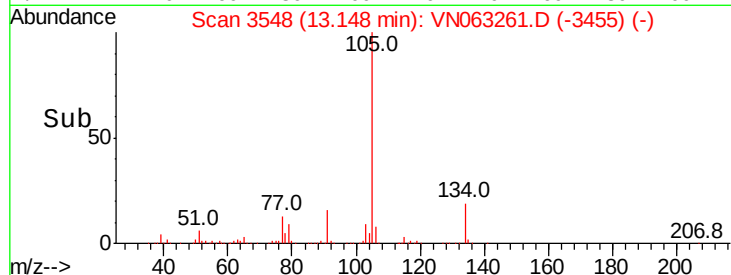
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 41.317 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

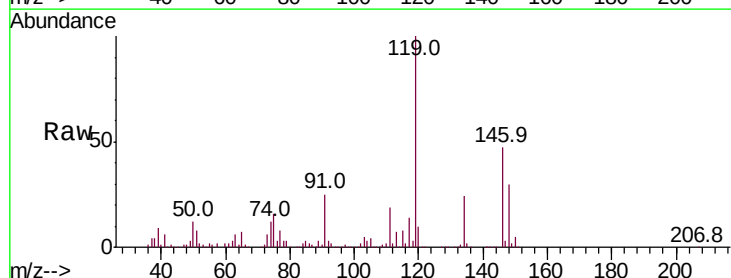
Tgt Ion:119 Resp: 603714

Ion Ratio Lower Upper

119 100

134 24.6 12.4 37.4

91 24.8 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

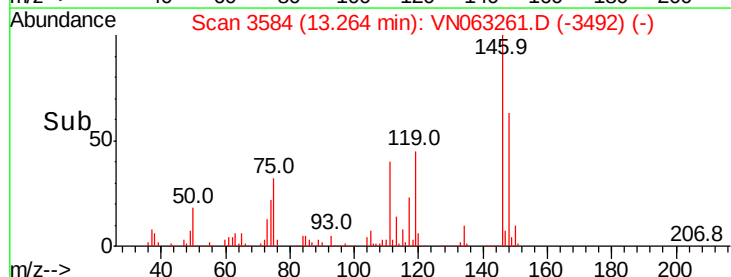
300000

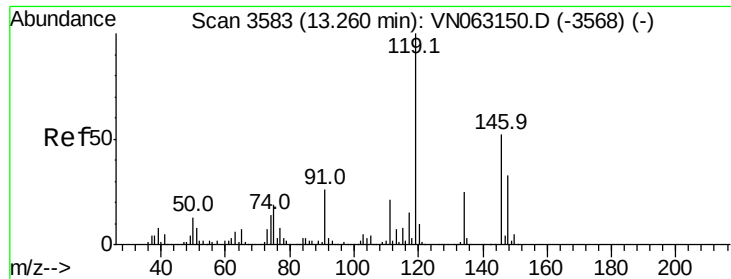
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.029 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063261.D

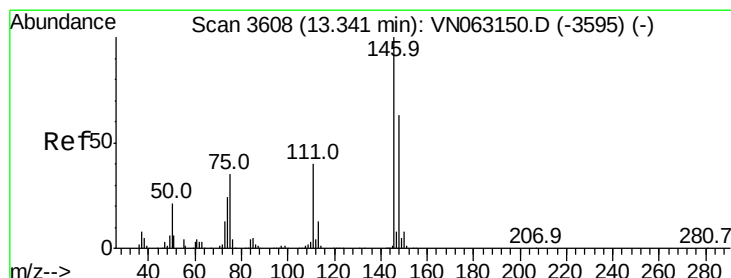
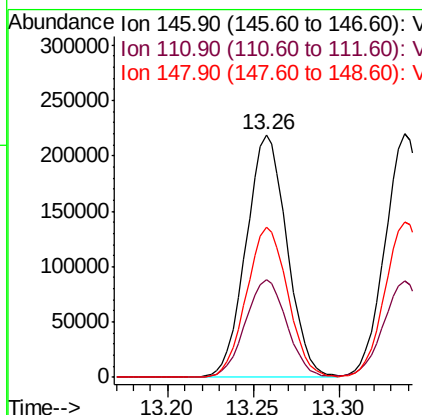
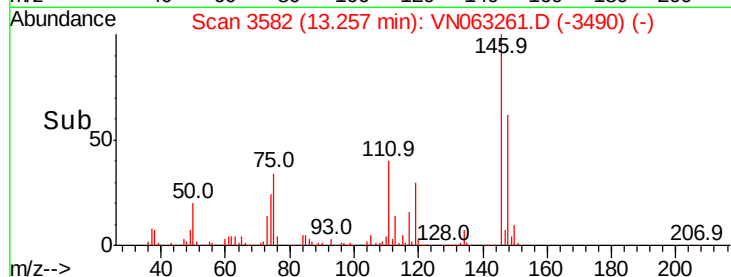
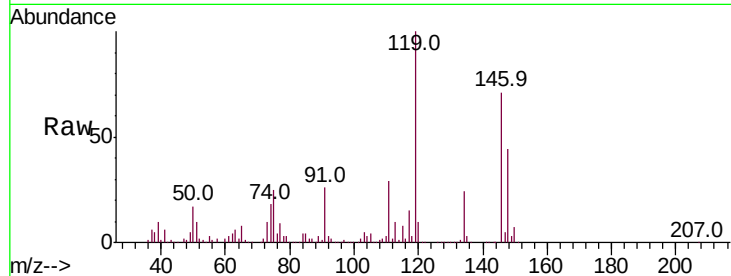
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	360345		
111	41.0	21.3	63.7	
148	62.7	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 47.763 ug/l

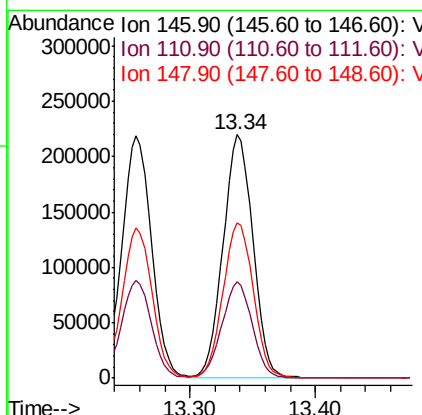
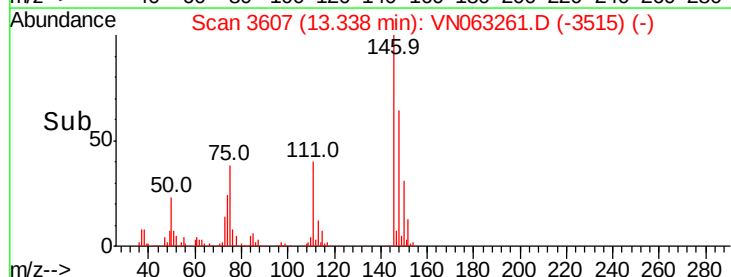
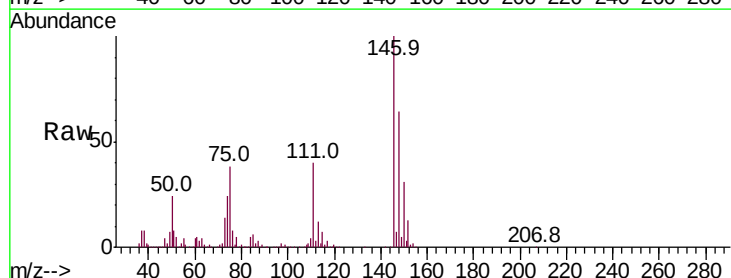
RT: 13.34 min Scan# 3607

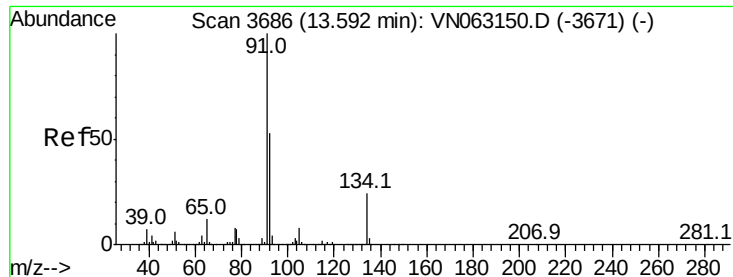
Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	363489		
111	39.9	20.5	61.5	
148	64.7	31.9	95.7	





#89

n-Butylbenzene

Concen: 38.455 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Instrument :

MSVOA_N

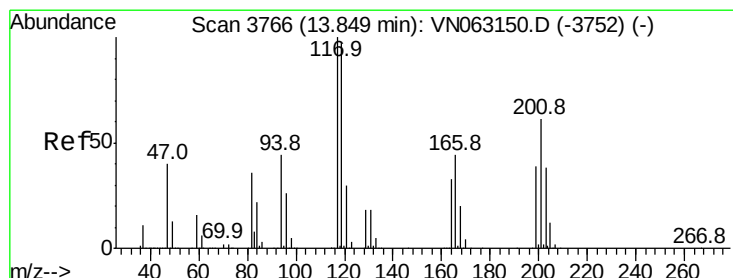
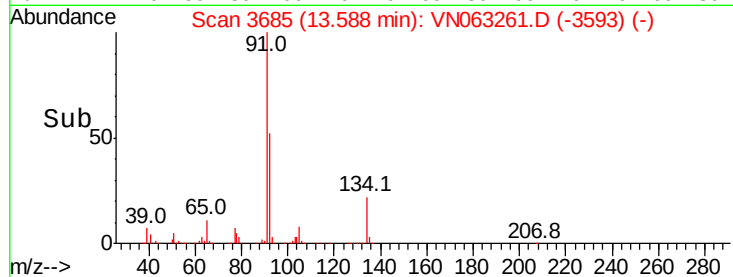
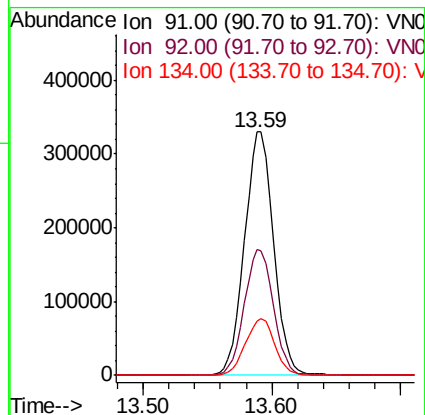
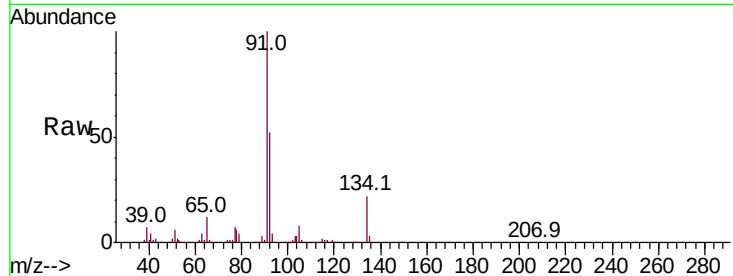
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	519093
Ion Ratio	Lower	Upper	
91	100		
92	51.7	26.3	78.8
134	23.3	12.0	36.0

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#90

Hexachloroethane

Concen: 37.576 ug/l

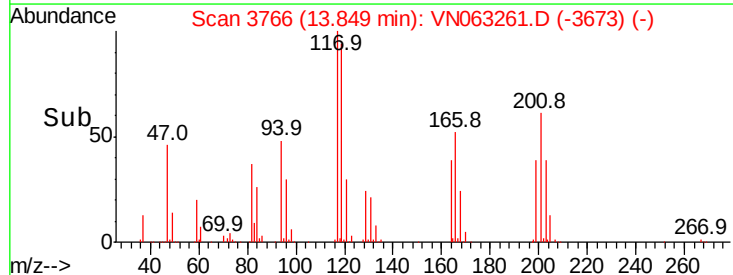
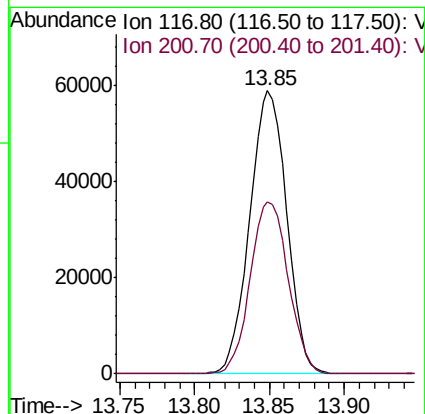
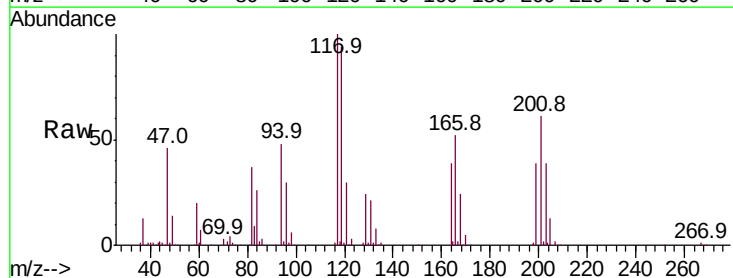
RT: 13.85 min Scan# 3766

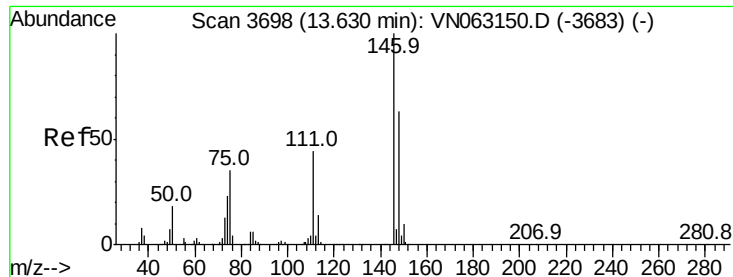
Delta R.T. 0.00 min

Lab File: VN063261.D

Acq: 5 Sep 2020 1:09

Tgt Ion:	117	Resp:	101639
Ion Ratio	Lower	Upper	
117	100		
201	62.4	30.6	92.0





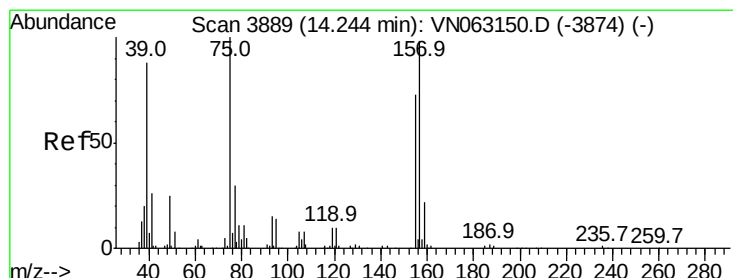
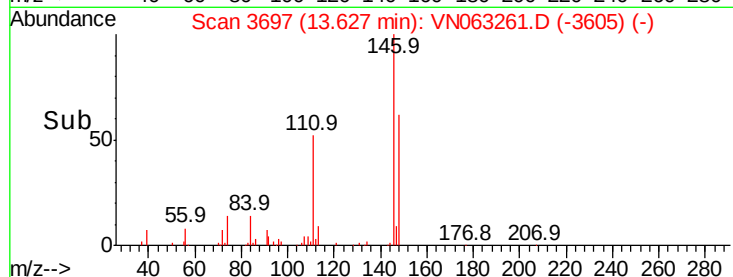
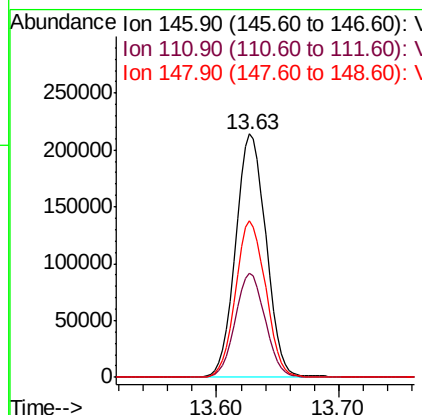
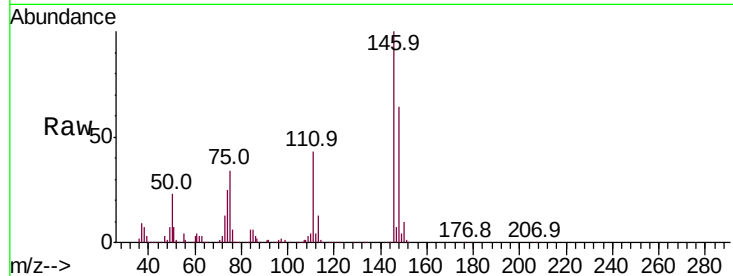
#91
 1,2-Dichlorobenzene
 Concen: 51.907 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.2	22.0	66.0	
148	63.7	31.6	95.0	

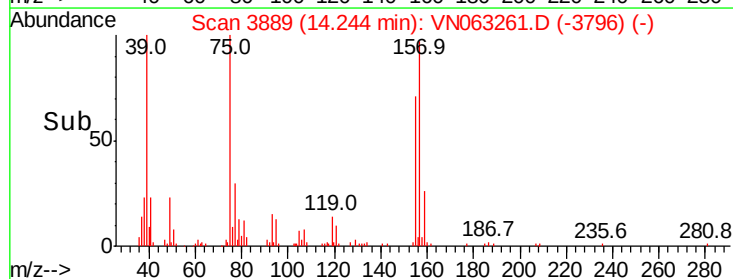
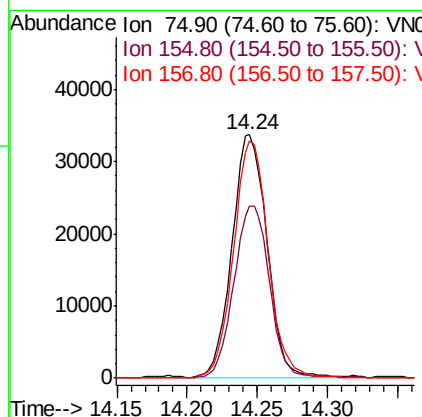
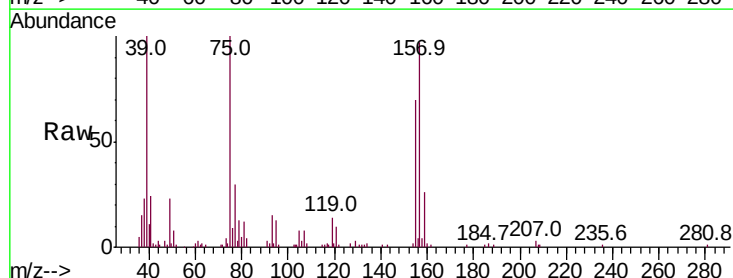
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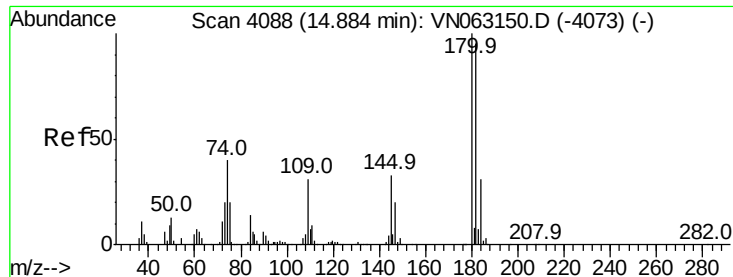
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 9/8/2020 1:33:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.458 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	71.6	36.1	108.5	
157	96.2	48.4	145.0	





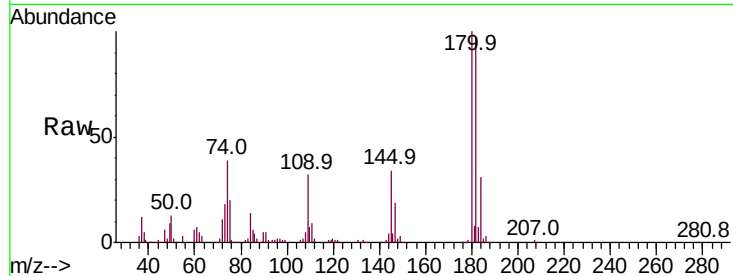
#93
 1,2,4-Trichlorobenzene
 Concen: 44.869 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

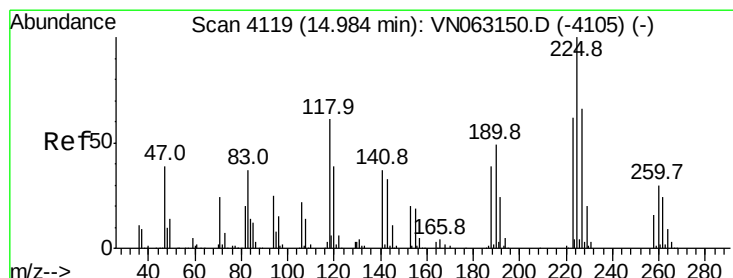
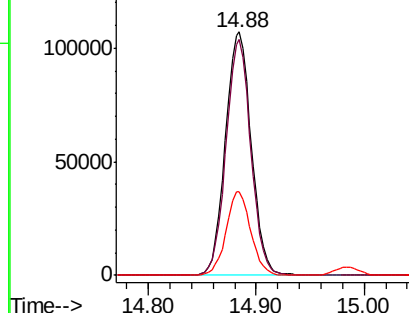
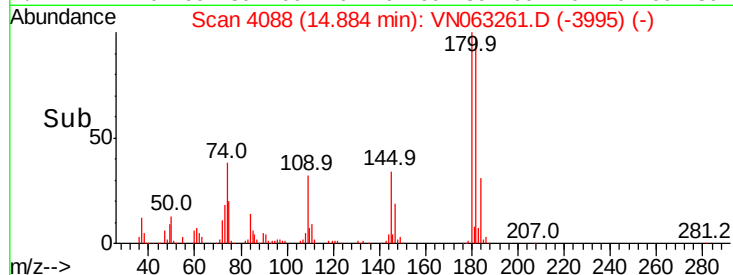
Tot Ion:	180	Resp:	178787
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.5	142.5
145	32.8	16.6	49.8

Manual Integrations
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MMDadoda
 9/8/2020 1:33:05 PM

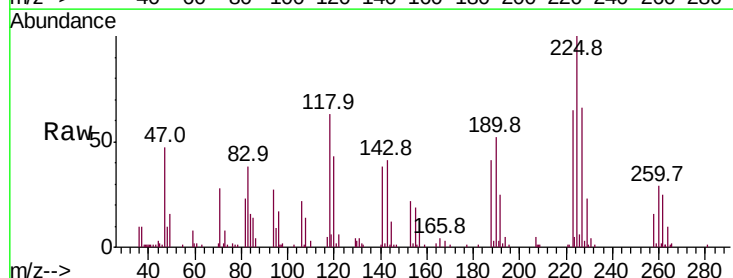


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

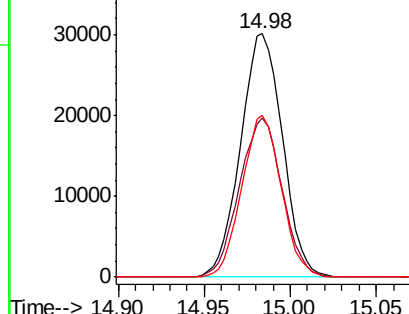
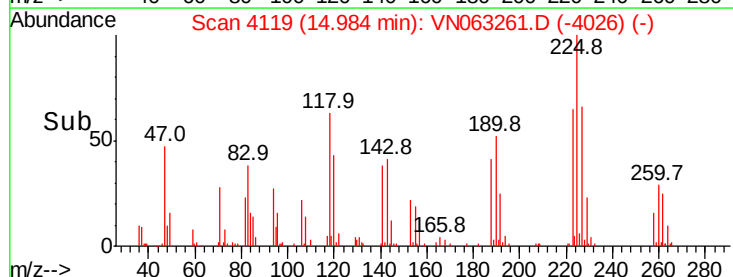


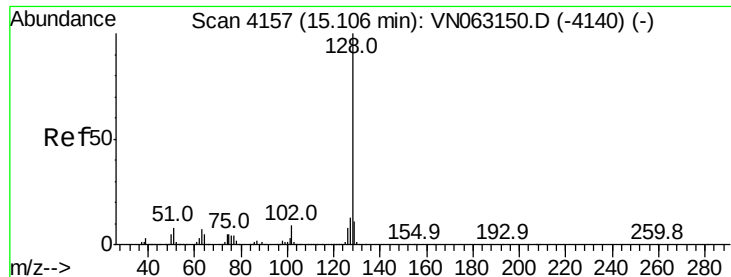
#94
 Hexachlorobutadiene
 Concen: 34.268 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063261.D
 Acq: 5 Sep 2020 1:09

Tgt Ion:	225	Resp:	51009
Ion Ratio	Lower	Upper	
225	100		
223	66.5	30.9	92.7
227	62.4	32.9	98.7



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





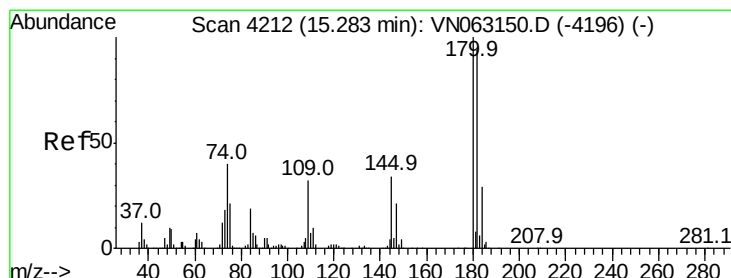
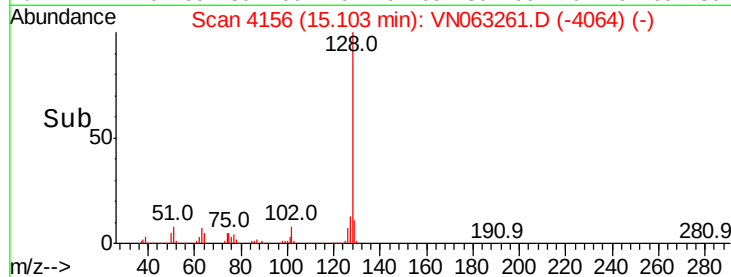
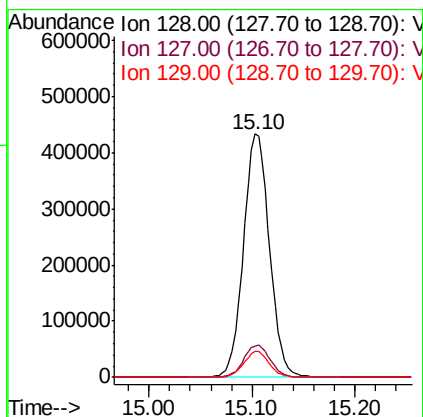
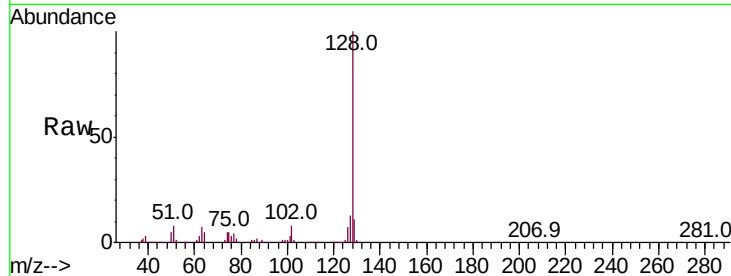
#95
Naphthalene
Concen: 57.074 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 44.816 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063261.D
Acq: 5 Sep 2020 1:09

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.5	47.5	142.5
145	33.8	17.3	52.0

