

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064163.D
 Acq On : 16 Oct 2020 14:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 17 01:29:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	481504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	765797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	731422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	350744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	358413	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.55	113	267952	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.06	98	1056472	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.38	95	363891	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221873	48.907	ug/l	100
3) Chloromethane	2.04	50	291428	51.575	ug/l	99
4) Vinyl Chloride	2.16	62	319271	45.393	ug/l	99
5) Bromomethane	2.52	94	226140	42.844	ug/l	100
6) Chloroethane	2.67	64	245095	43.831	ug/l	97
7) Trichlorofluoromethane	2.98	101	461596	47.716	ug/l	98
8) Diethyl Ether	3.37	74	146727	48.480	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	234653	49.412	ug/l	99
10) Methyl Iodide	3.91	142	288574	43.103	ug/l	100
11) Tert butyl alcohol	4.73	59	223053	293.762	ug/l	100
12) 1,1-Dichloroethene	3.69	96	221269	46.139	ug/l	96
13) Acrolein	3.57	56	143383	229.903	ug/l	97
14) Allyl chloride	4.27	41	401786	53.695	ug/l	95
15) Acrylonitrile	4.93	53	610218	279.899	ug/l	99
16) Acetone	3.77	43	615477	302.582	ug/l	98
17) Carbon Disulfide	4.01	76	658793	48.062	ug/l	99
18) Methyl Acetate	4.28	43	297798	58.364	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	714079	50.481	ug/l	98
20) Methylene Chloride	4.50	84	285333	45.334	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	259405	47.710	ug/l	93
22) Diisopropyl ether	5.90	45	819902	56.404	ug/l	94
23) Vinyl Acetate	5.84	43	3797654	292.477	ug/l	96
24) 1,1-Dichloroethane	5.79	63	504836	49.732	ug/l	99
25) 2-Butanone	6.78	43	940078	300.475	ug/l	94
26) 2,2-Dichloropropane	6.77	77	405057	47.961	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	297751	46.551	ug/l	94
28) Bromochloromethane	7.15	49	278612	57.624	ug/l #	100
29) Tetrahydrofuran	7.16	42	551911	301.839	ug/l	93
30) Chloroform	7.33	83	521007	48.178	ug/l	99
31) Cyclohexane	7.61	56	370371	48.855	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	443765	47.489	ug/l	97
36) 1,1-Dichloropropene	7.75	75	381641	51.704	ug/l	99
37) Ethyl Acetate	6.88	43	402628	61.464	ug/l	98
38) Carbon Tetrachloride	7.73	117	388188	48.908	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	326205	52.568	ug/l	93
40) Benzene	8.00	78	1159296	51.864	ug/l	99
41) Methacrylonitrile	7.13	41	173262	61.093	ug/l	95
42) 1,2-Dichloroethane	8.08	62	429128	53.956	ug/l	99
43) Isopropyl Acetate	8.13	43	633025	58.234	ug/l #	88
44) Trichloroethene	8.80	130	279892	47.619	ug/l	99
45) 1,2-Dichloropropane	9.08	63	315322	53.842	ug/l	98
46) Dibromomethane	9.17	93	204451	49.207	ug/l	98
47) Bromodichloromethane	9.37	83	415759	51.145	ug/l	99
48) Methyl methacrylate	9.16	41	307266	61.194	ug/l	95
49) 1,4-Dioxane	9.16	88	94093	1234.071	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	2049999	318.702	ug/l	97
52) Toluene	10.12	92	718588	52.320	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	444223	53.259	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	482614	52.660	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	288199	50.651	ug/l	99
56) Ethyl methacrylate	10.40	69	411040	49.864	ug/l	91
57) 1,3-Dichloropropane	10.68	76	491992	52.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	1129171	268.369	ug/l	97
59) 2-Hexanone	10.72	43	1504216	301.105	ug/l	95
60) Dibromochloromethane	10.87	129	310946	48.650	ug/l	99
61) 1,2-Dibromoethane	10.98	107	291347	50.307	ug/l	99
64) Tetrachloroethene	10.60	164	254389	46.131	ug/l	98
65) Chlorobenzene	11.41	112	749024	48.630	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	283068	48.406	ug/l	100
67) Ethyl Benzene	11.48	91	1380130	53.490	ug/l	98
68) m/p-Xylenes	11.59	106	1017534	95.758	ug/l	95
69) o-Xylene	11.92	106	474964	46.771	ug/l	96
70) Styrene	11.94	104	843408	48.135	ug/l	99
71) Bromoform	12.10	173	216596	44.946	ug/l #	99
73) Isopropylbenzene	12.22	105	1267845	49.903	ug/l	99
74) N-amyl acetate	12.05	43	573346	60.261	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	422617	48.315	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	563352	68.462	ug/l #	100
77) Bromobenzene	12.50	156	305762	44.331	ug/l	85
78) n-propylbenzene	12.57	91	1526498	53.832	ug/l	97
79) 2-Chlorotoluene	12.65	91	904835	50.171	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	1077074	52.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	146623	54.439	ug/l	96
82) 4-Chlorotoluene	12.75	91	951213	52.332	ug/l	97
83) tert-Butylbenzene	12.97	119	843189	49.996	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	1064282	50.072	ug/l	99
85) sec-Butylbenzene	13.14	105	1139069	52.539	ug/l	99
86) p-Isopropyltoluene	13.26	119	1026302	50.047	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	556921	48.462	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	560981	47.727	ug/l	98
89) n-Butylbenzene	13.59	91	869657	55.048	ug/l	98
90) Hexachloroethane	13.85	117	180392	49.995	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	550841	48.159	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	83218	49.430	ug/l	91

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QLast Update : Thu Oct 15 01:16:44 2020
Response via : Initial Calibration

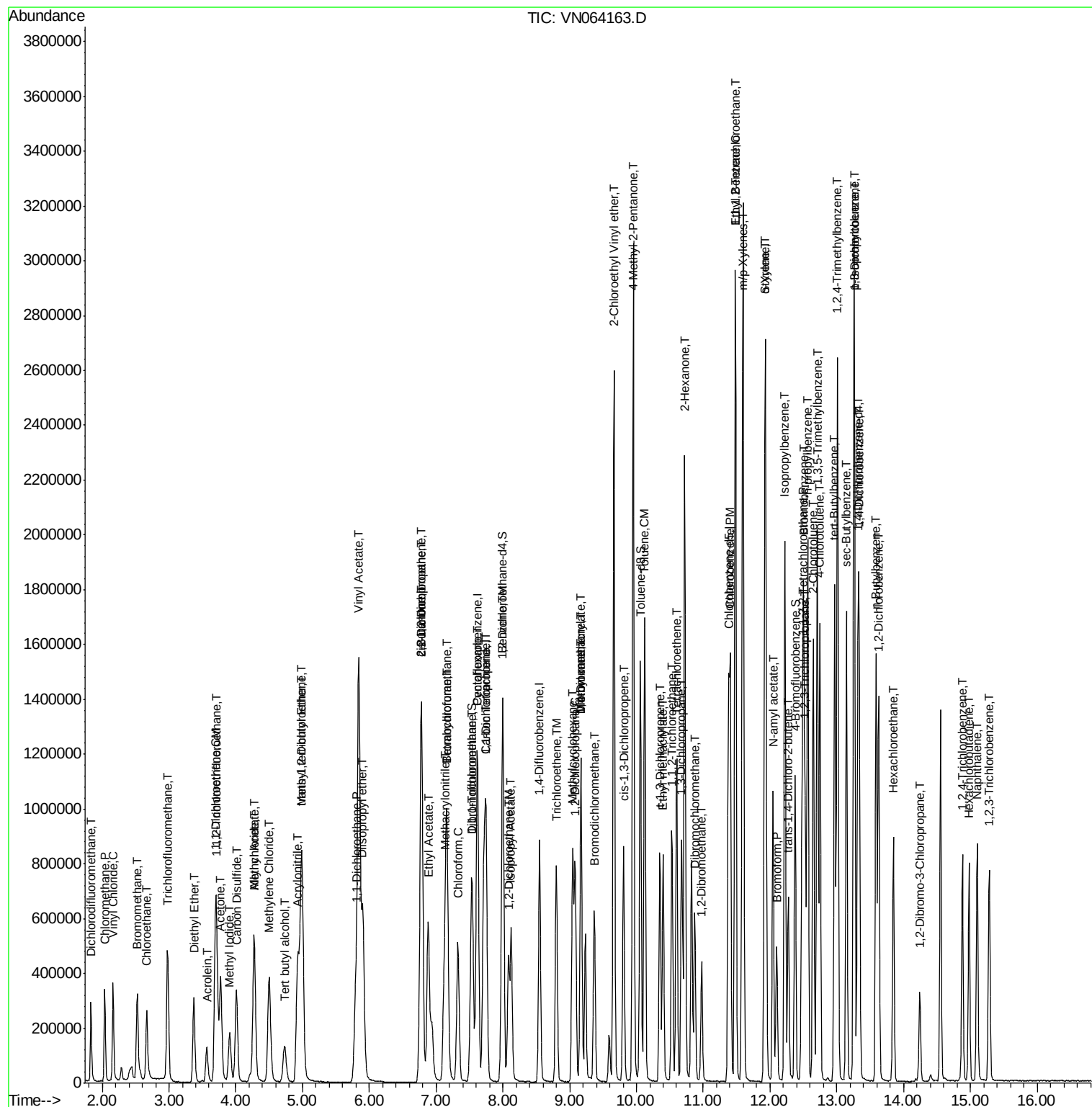
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	242589	43.625	ug/l	96
94) Hexachlorobutadiene	14.98	225	138761	50.925	ug/l	98
95) Naphthalene	15.10	128	716197	42.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	248784	44.754	ug/l	98

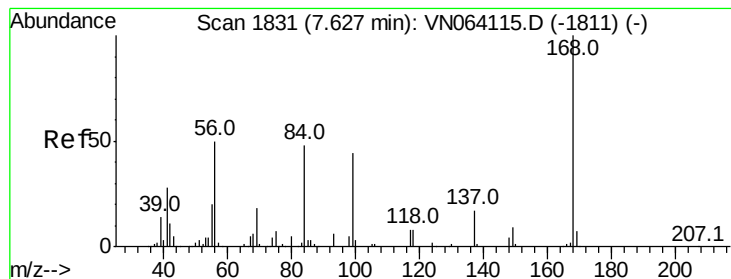
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

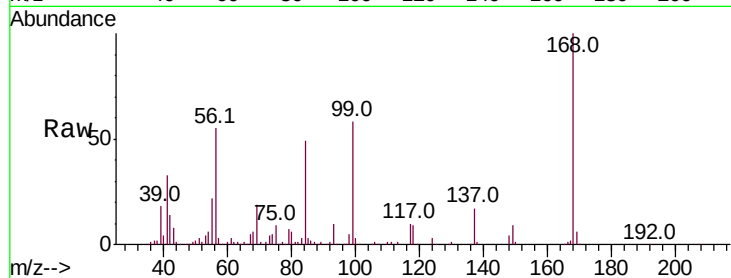
VSTDCCC050

Tot Ion:168 Resp: 481504

Ion Ratio Lower Upper

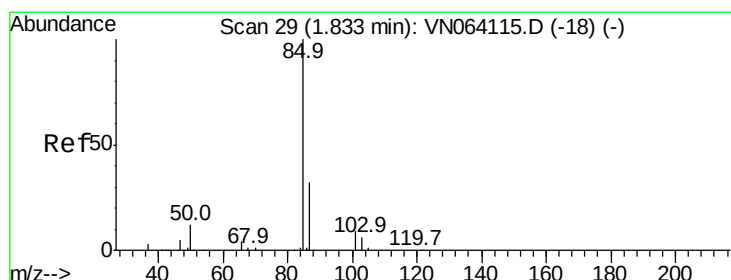
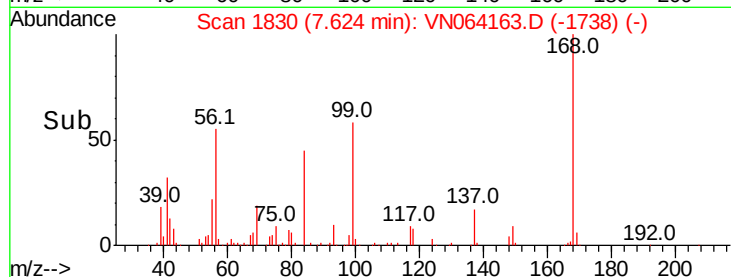
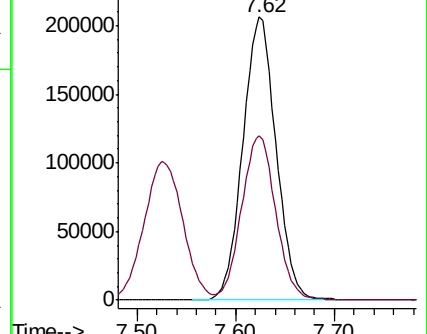
168 100

99 57.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.907 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064163.D

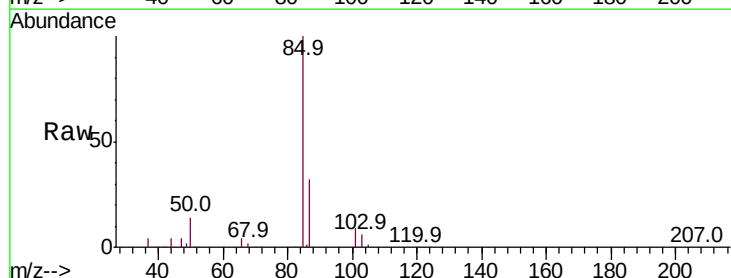
Acq: 16 Oct 2020 14:18

Tgt Ion: 85 Resp: 221873

Ion Ratio Lower Upper

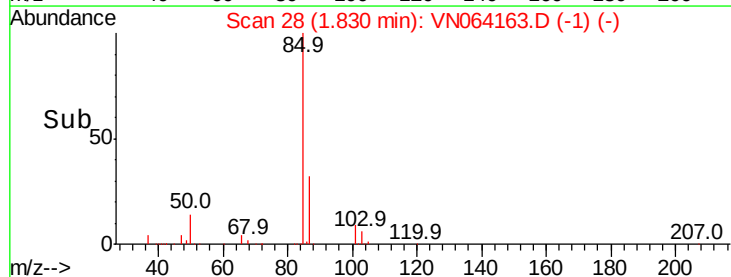
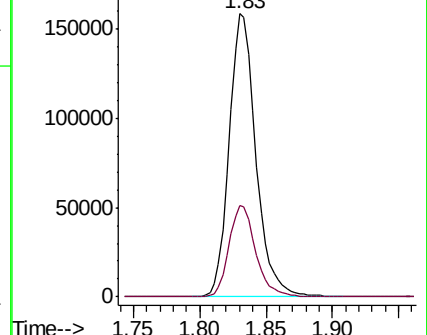
85 100

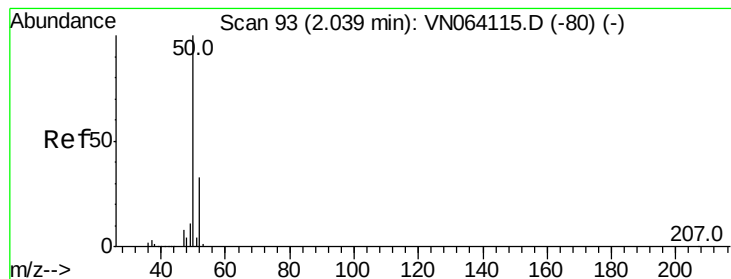
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.575 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

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ClientSampleId :

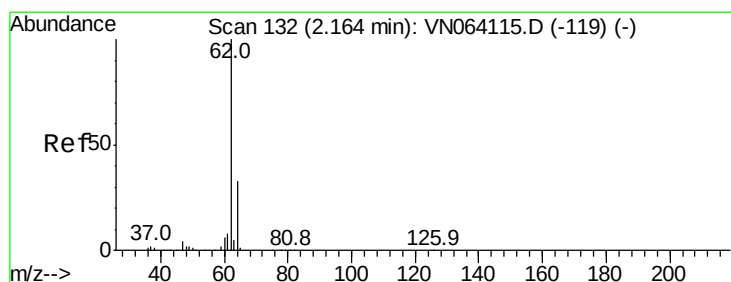
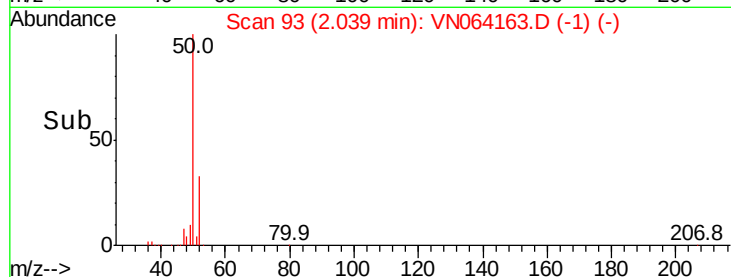
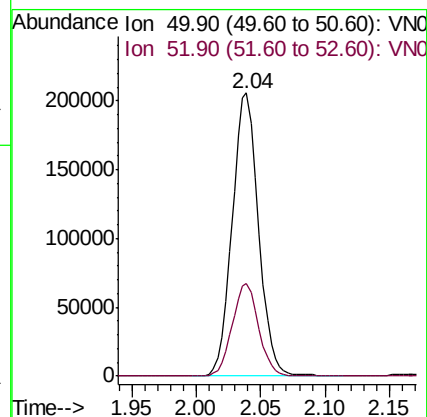
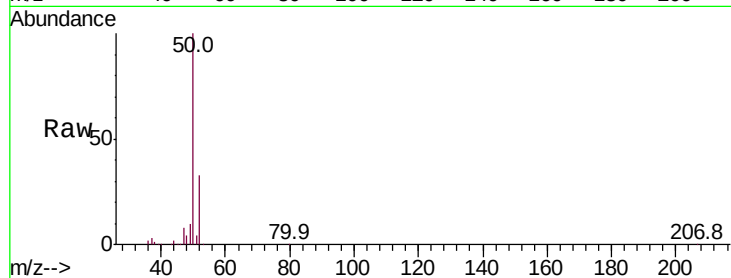
VSTDCCC050

Tot Ion: 50 Resp: 291428

Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



#4

Vinyl Chloride

Concen: 45.393 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064163.D

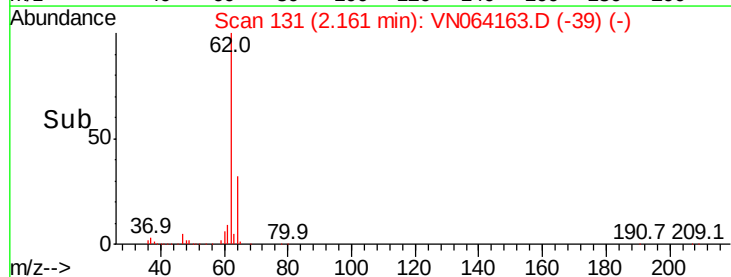
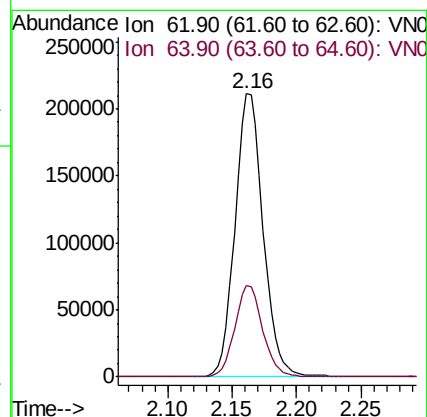
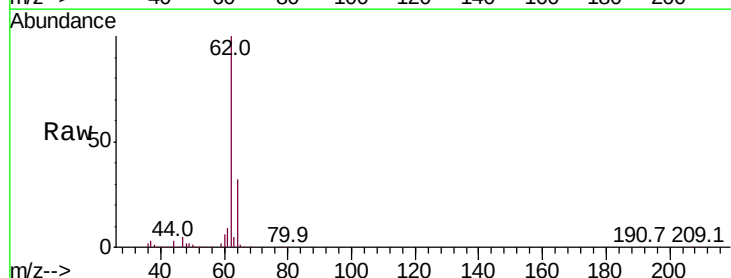
Acq: 16 Oct 2020 14:18

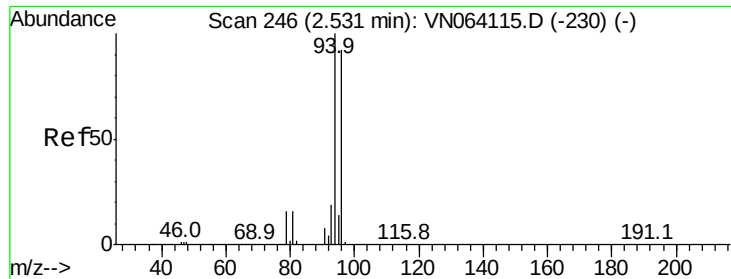
Tgt Ion: 62 Resp: 319271

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4

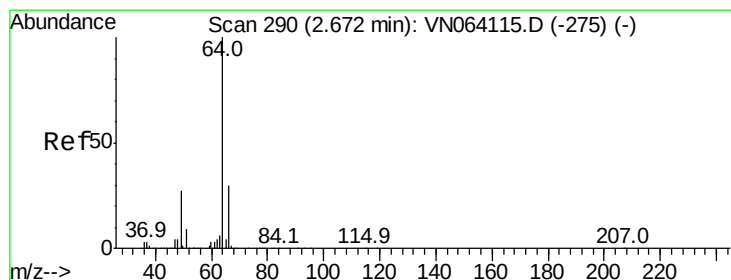
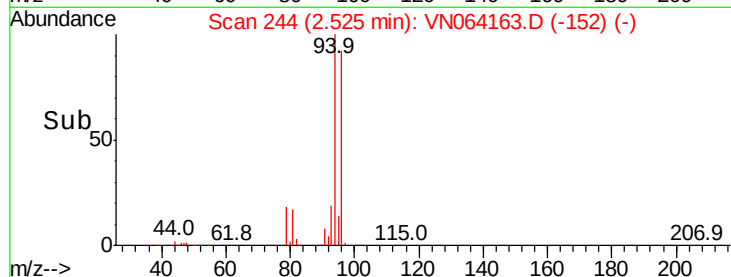
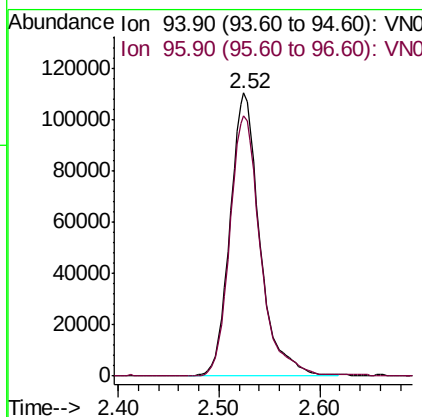
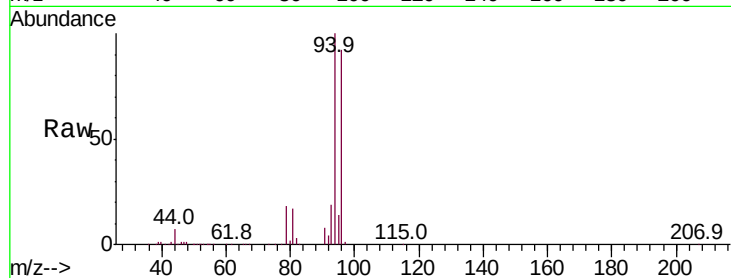




#5
 Bromomethane
 Concen: 42.844 ug/l
 RT: 2.52 min Scan# 244
 Delta R.T. -0.01 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

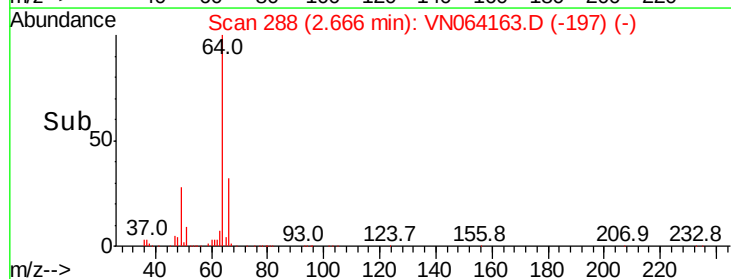
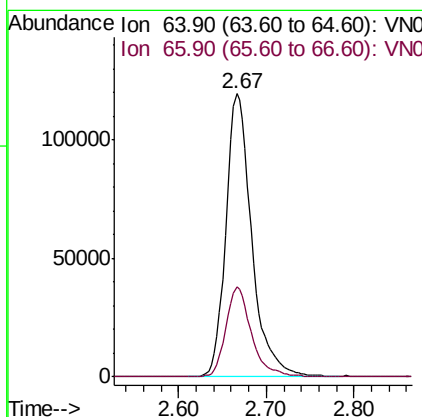
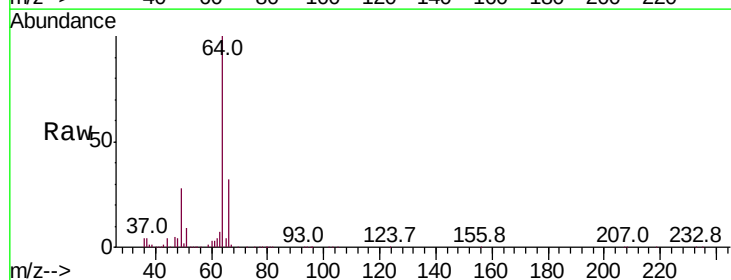
Instrument :
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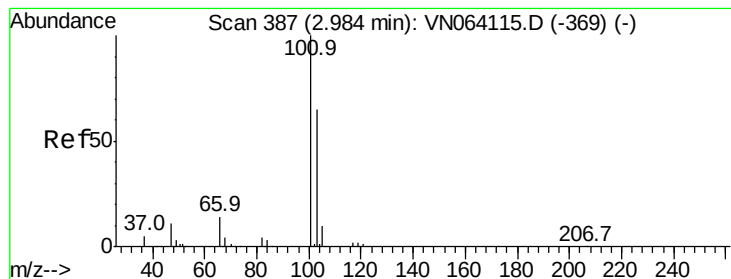
Tot Ion: 94 Resp: 226140
 Ion Ratio Lower Upper
 94 100
 96 91.8 73.5 110.3



#6
 Chloroethane
 Concen: 43.831 ug/l
 RT: 2.67 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion: 64 Resp: 245095
 Ion Ratio Lower Upper
 64 100
 66 31.6 24.2 36.2



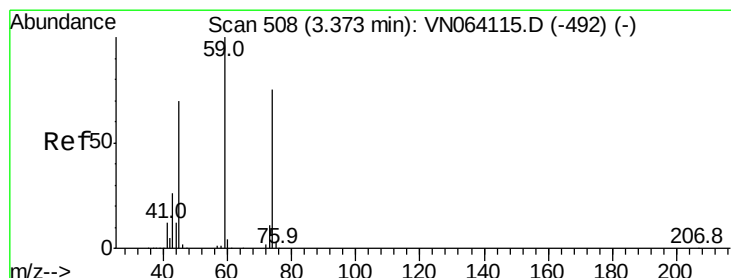
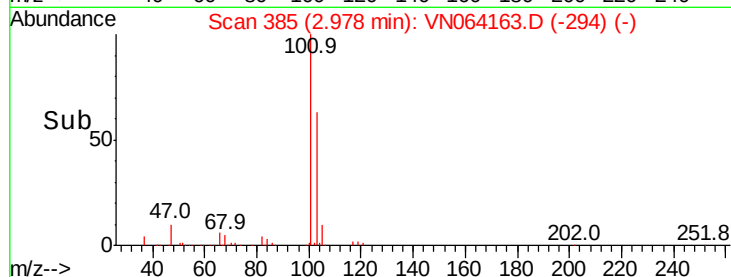
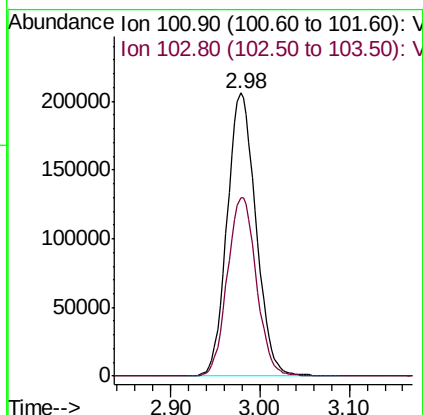
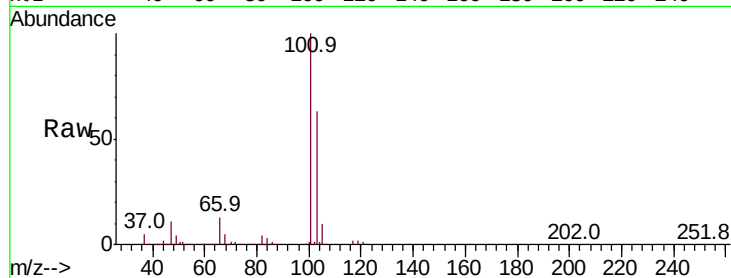


#7

Trichlorofluoromethane
 Concen: 47.716 ug/l
 RT: 2.98 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN064163.D
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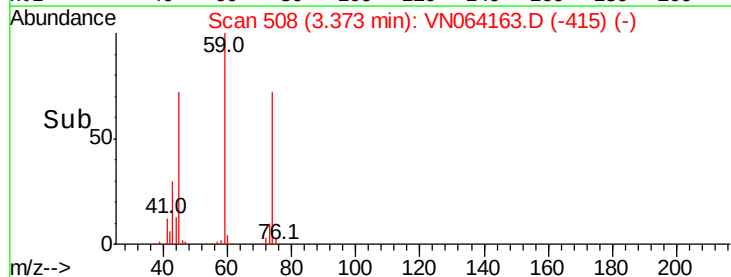
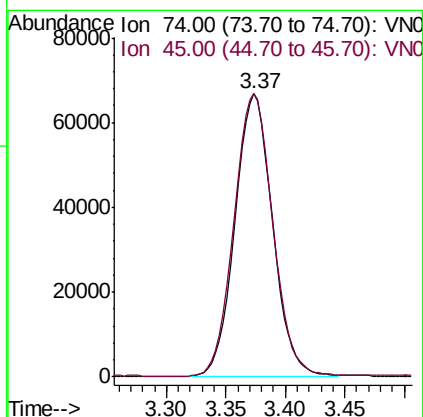
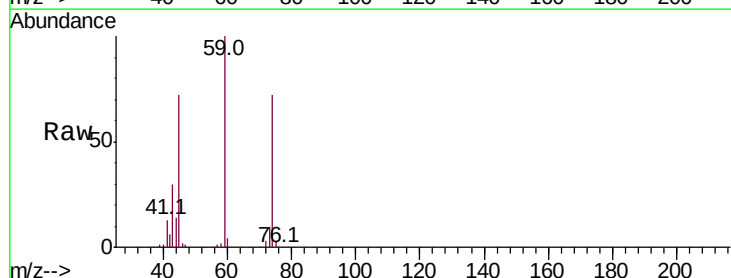
Tot Ion:101 Resp: 461596
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.8 77.6

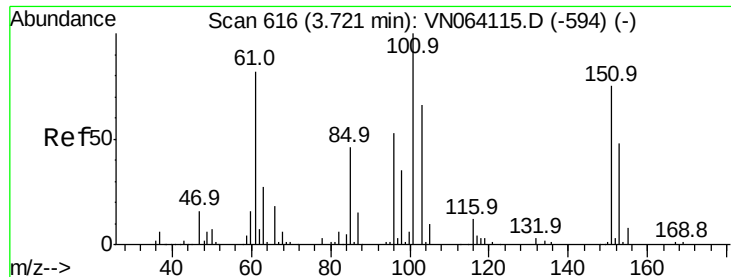


#8

Diethyl Ether
 Concen: 48.480 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion: 74 Resp: 146727
 Ion Ratio Lower Upper
 74 100
 45 103.6 47.0 141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.412 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

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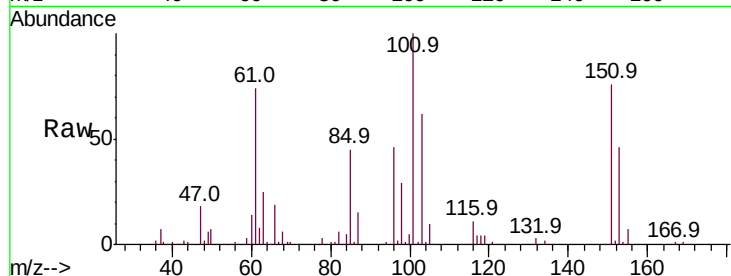
Tot Ion:101 Resp: 234653

Ion Ratio Lower Upper

101 100

85 45.3 36.9 55.3

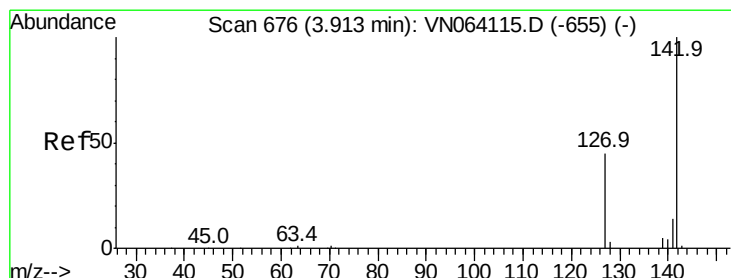
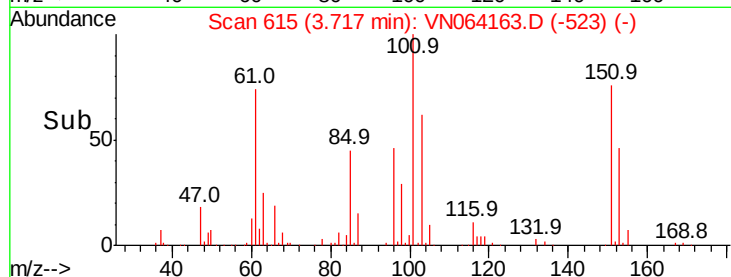
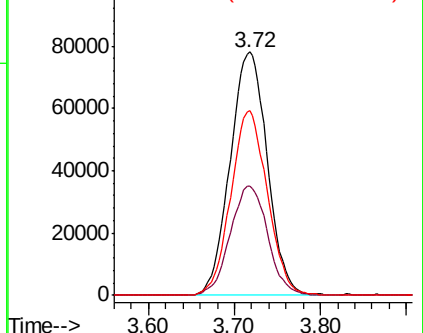
151 74.7 60.7 91.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.103 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

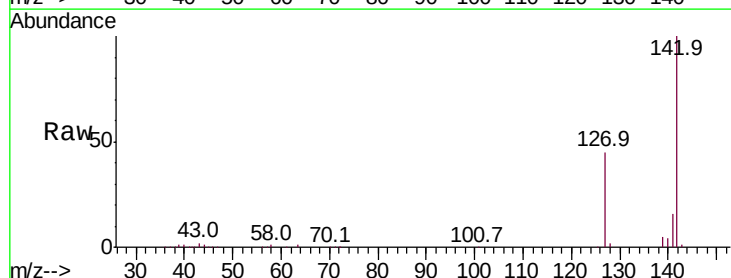
Tgt Ion:142 Resp: 288574

Ion Ratio Lower Upper

142 100

127 45.5 36.3 54.5

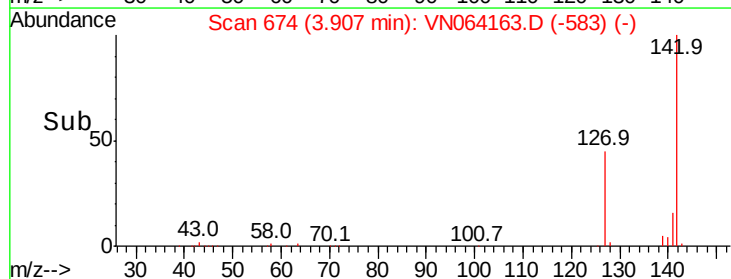
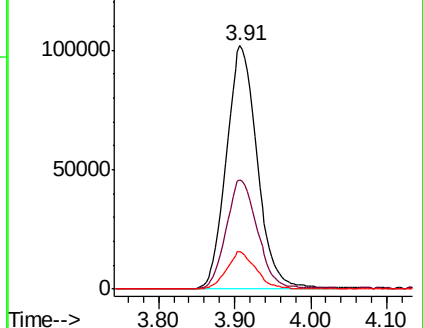
141 14.6 11.6 17.4

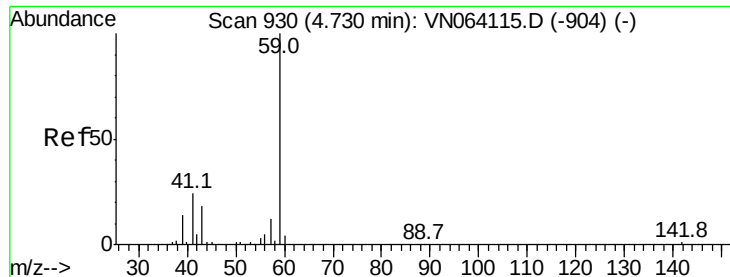


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

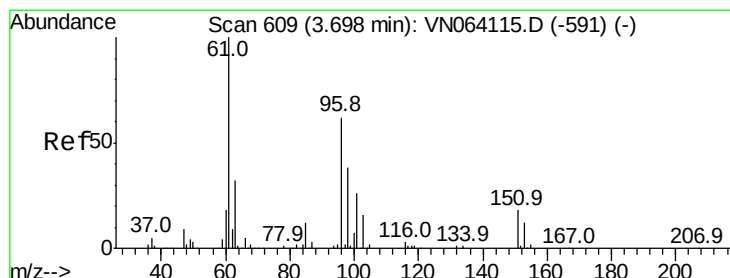
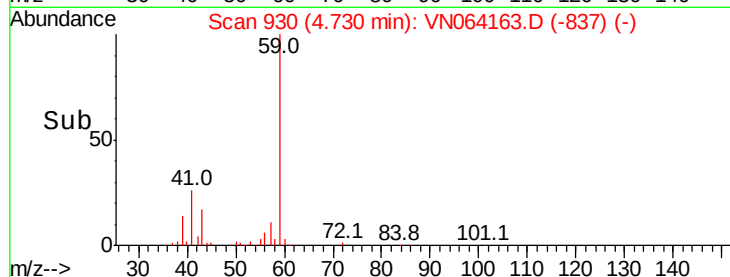
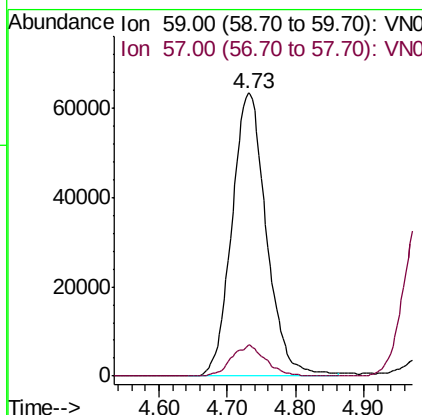
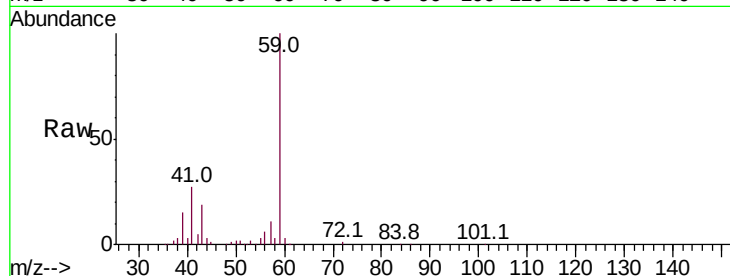




#11
Tert butyl alcohol
Concen: 293.762 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

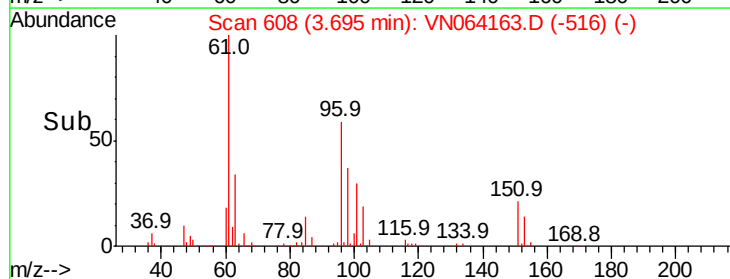
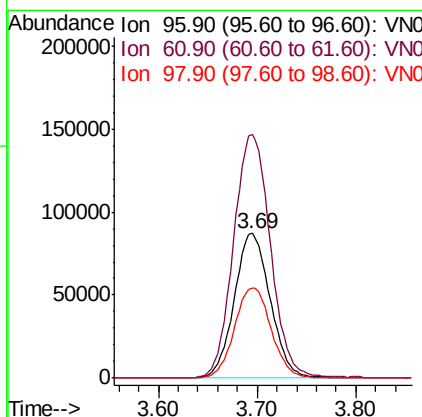
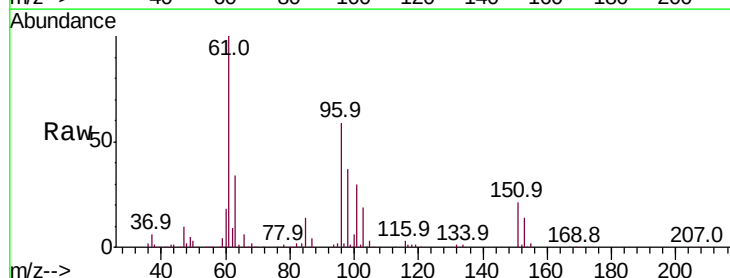
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

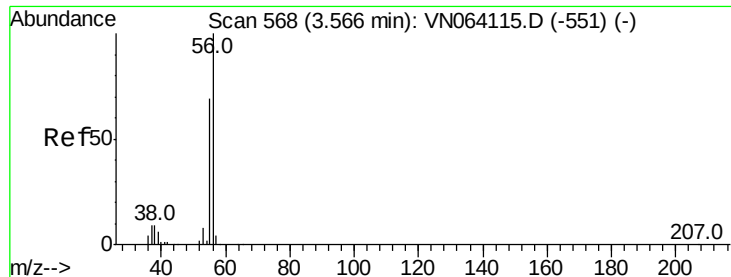
Tot Ion: 59 Resp: 223053
Ion Ratio Lower Upper
59 100
57 10.9 8.9 13.3



#12
1,1-Dichloroethene
Concen: 46.139 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 96 Resp: 221269
Ion Ratio Lower Upper
96 100
61 168.5 129.9 194.9
98 62.7 48.9 73.3





#13

Acrolein

Concen: 229.903 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

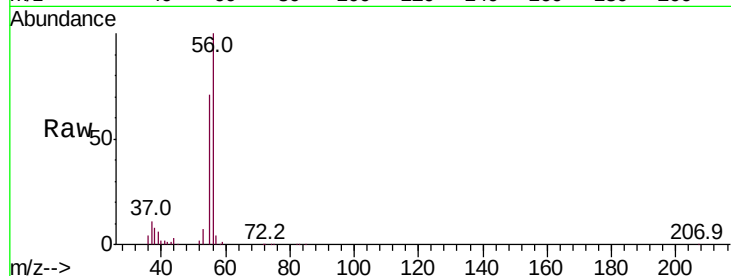
VSTDCCC050

Tot Ion: 56 Resp: 143383

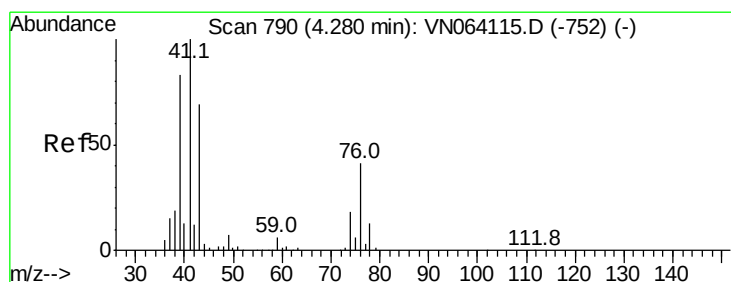
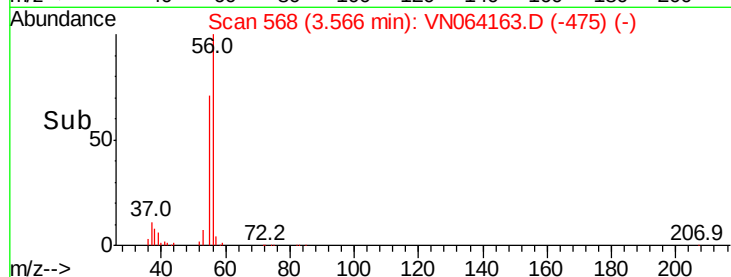
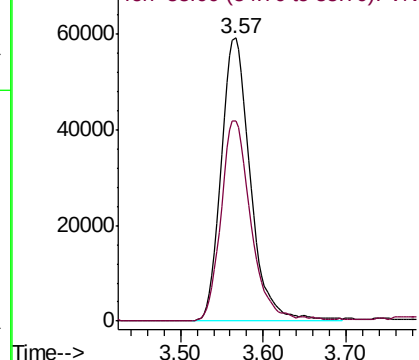
Ion Ratio Lower Upper

56 100

55 72.4 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 53.695 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

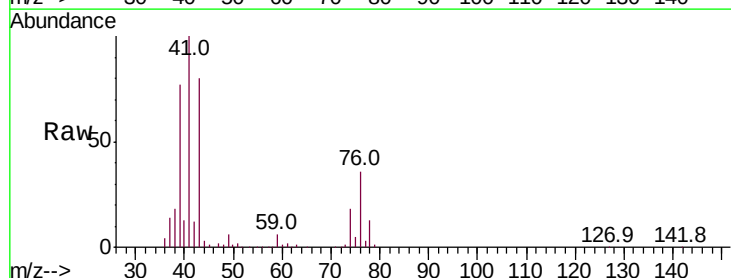
Tgt Ion: 41 Resp: 401786

Ion Ratio Lower Upper

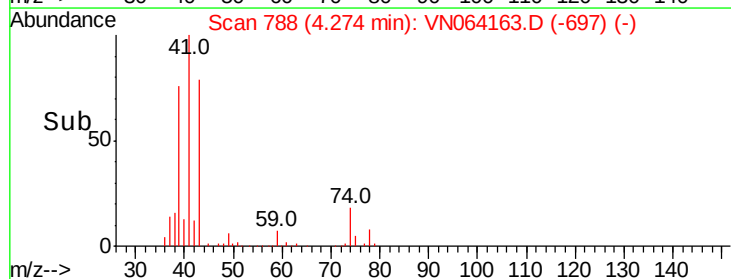
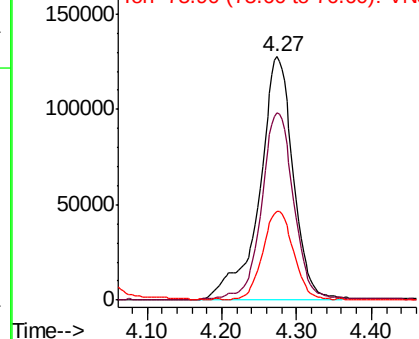
41 100

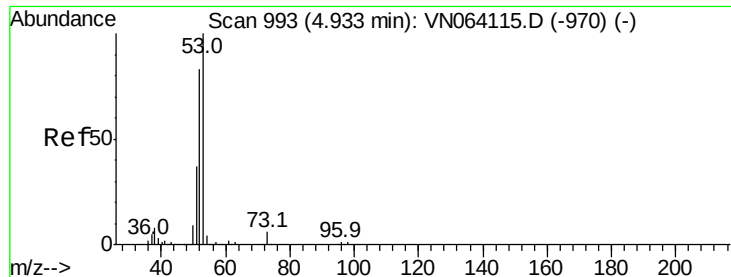
39 72.3 60.5 90.7

76 32.9 29.5 44.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 279.899 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

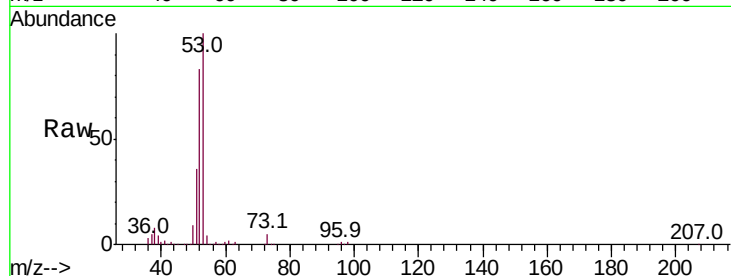
Tot Ion: 53 Resp: 610218

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.6

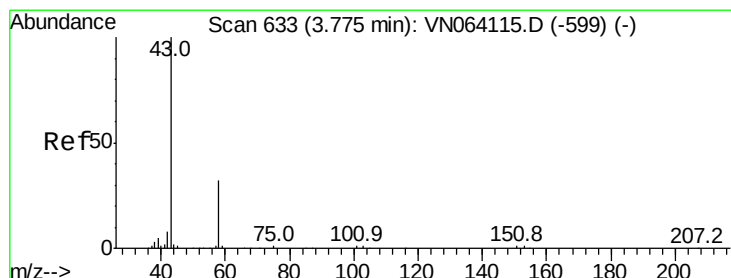
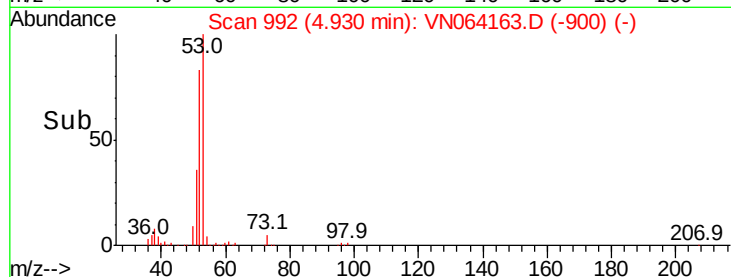
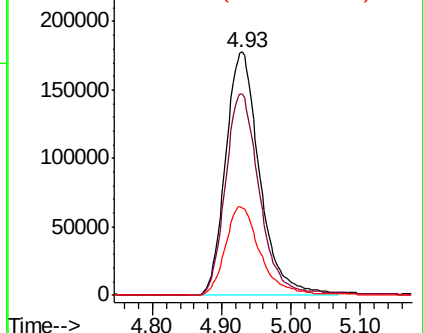
51 37.6 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 302.582 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064163.D

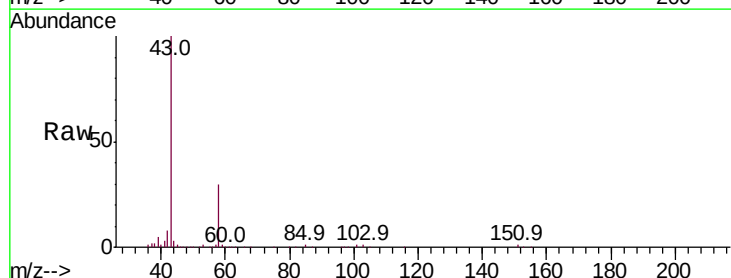
Acq: 16 Oct 2020 14:18

Tgt Ion: 43 Resp: 615477

Ion Ratio Lower Upper

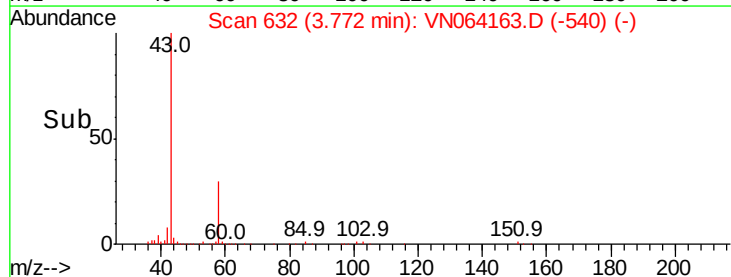
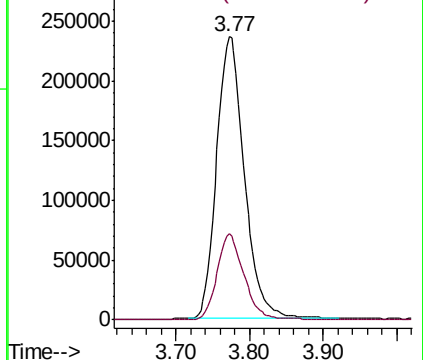
43 100

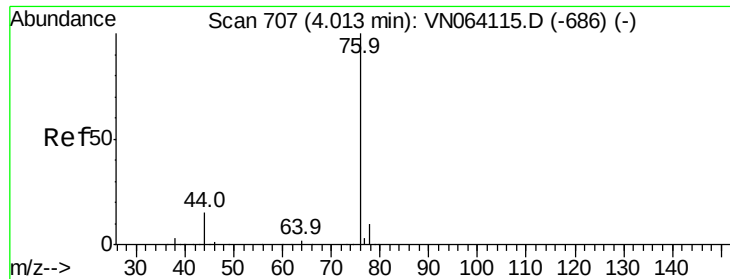
58 30.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

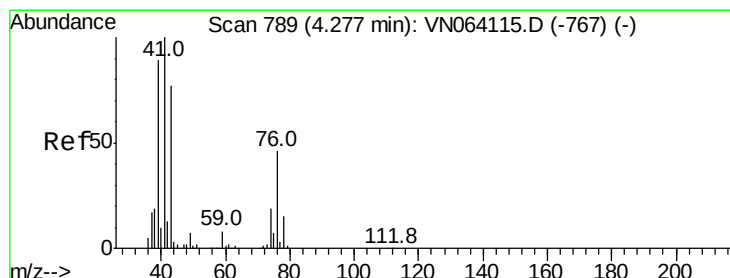
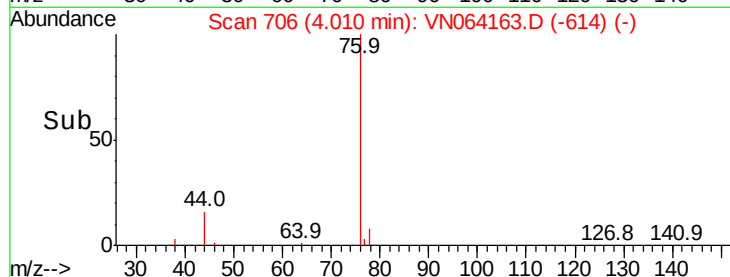
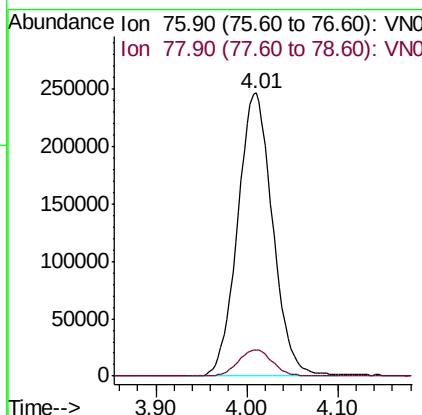
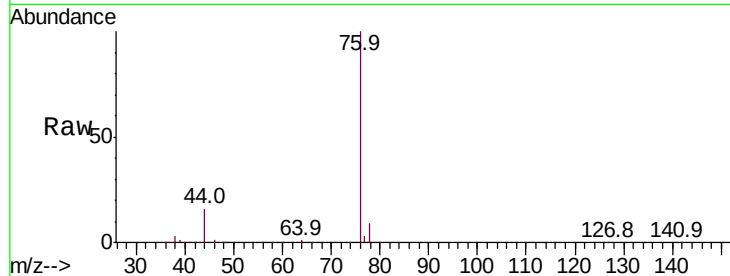




#17
Carbon Disulfide
Concen: 48.062 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

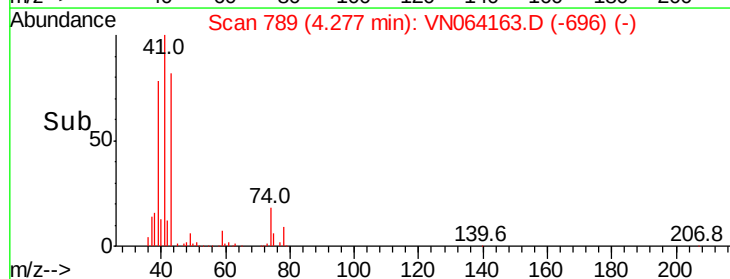
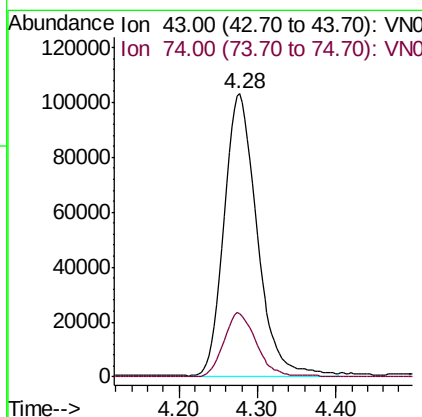
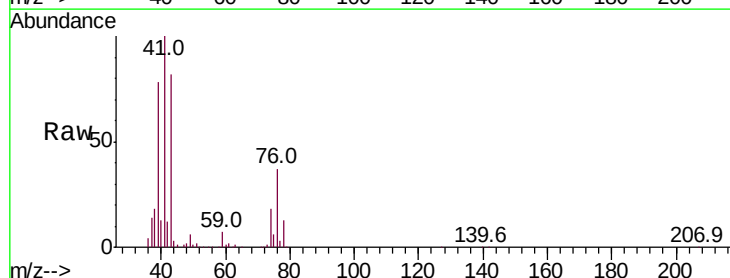
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

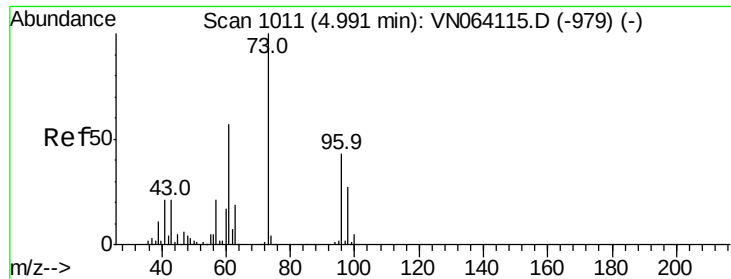
Tot Ion: 76 Resp: 658793
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 58.364 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 43 Resp: 297798
Ion Ratio Lower Upper
43 100
74 22.5 19.7 29.5

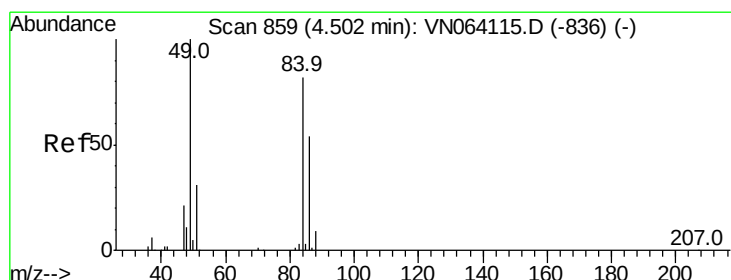
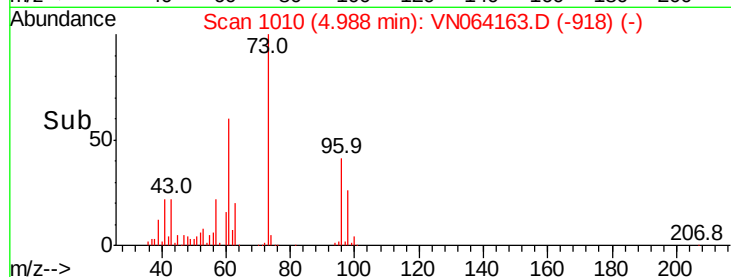
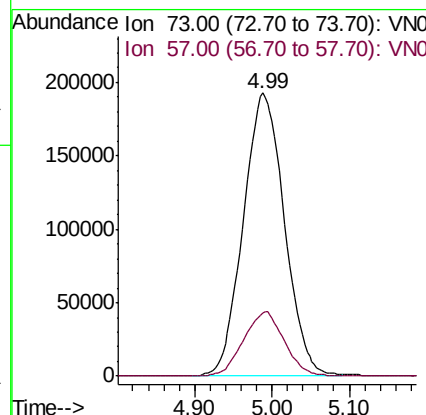
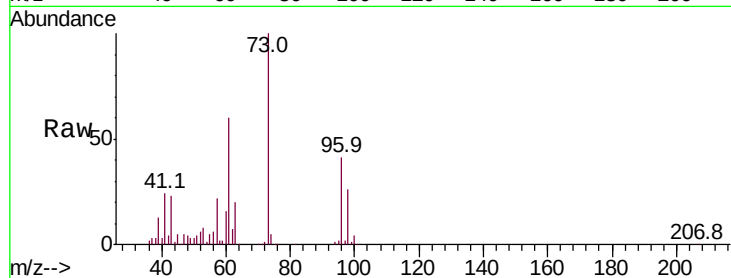




#19
Methyl tert-butyl Ether
Concen: 50.481 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

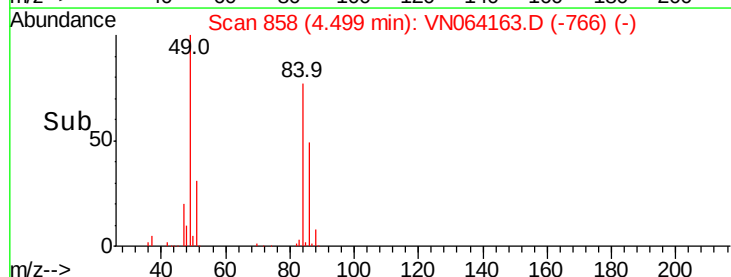
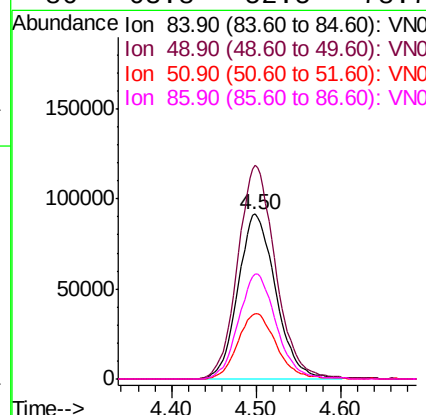
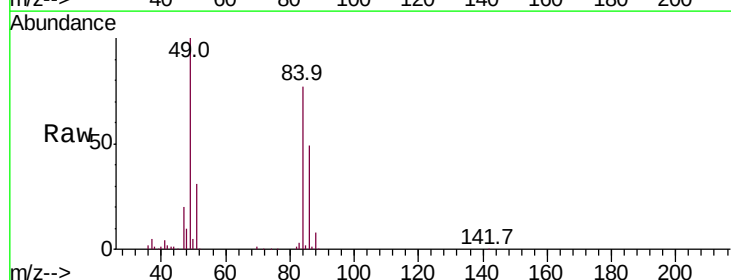
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

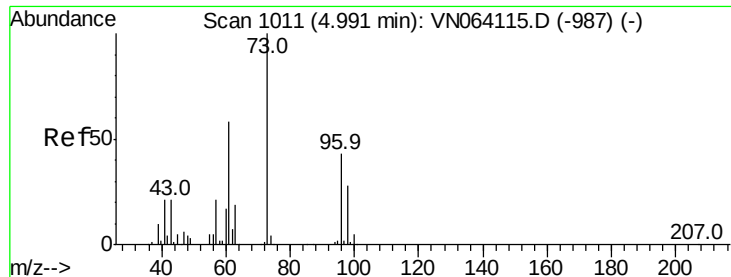
Tot Ion: 73 Resp: 714079
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.4



#20
Methylene Chloride
Concen: 45.334 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 84 Resp: 285333
Ion Ratio Lower Upper
84 100
49 129.6 97.4 146.0
51 39.8 29.7 44.5
86 63.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.710 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

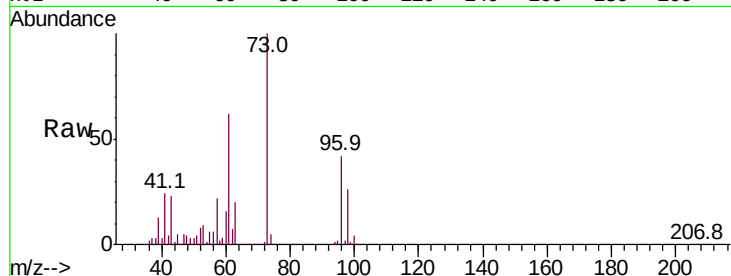
Tot Ion: 96 Resp: 259405

Ion Ratio Lower Upper

96 100

61 144.5 107.0 160.4

98 62.1 51.0 76.6



Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

150000

100000

50000

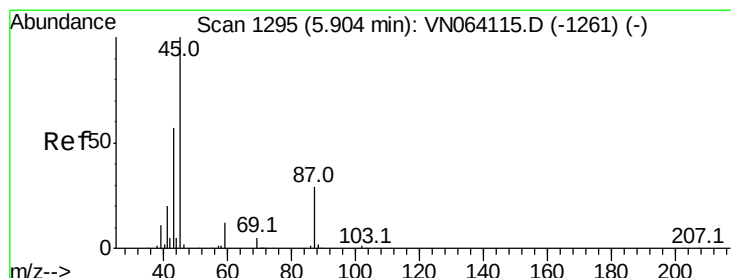
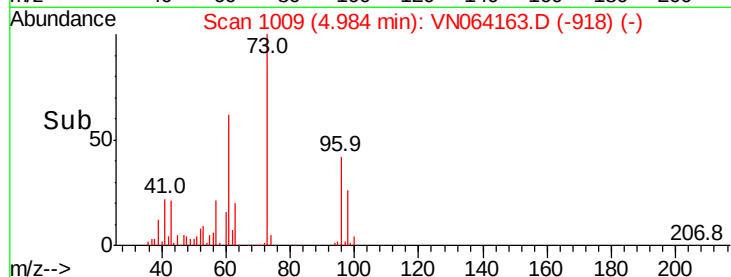
0

4.90

4.98

5.10

Time-->



#22

Diisopropyl ether

Concen: 56.404 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion: 45 Resp: 819902

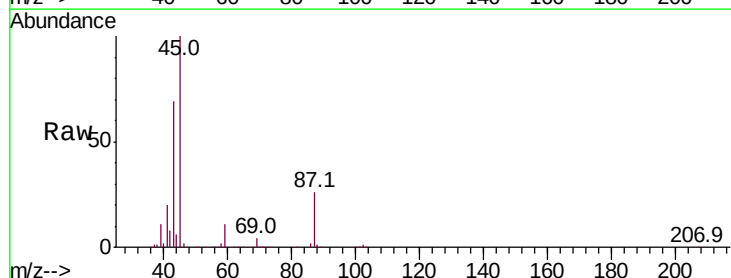
Ion Ratio Lower Upper

45 100

43 68.1 50.9 76.3

87 25.9 23.5 35.3

59 11.1 9.4 14.2



Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

1500000

1000000

500000

0

5.70

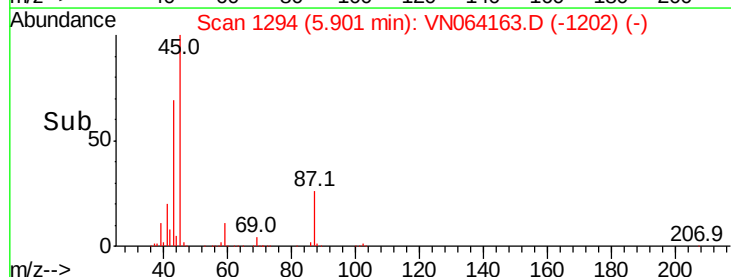
5.80

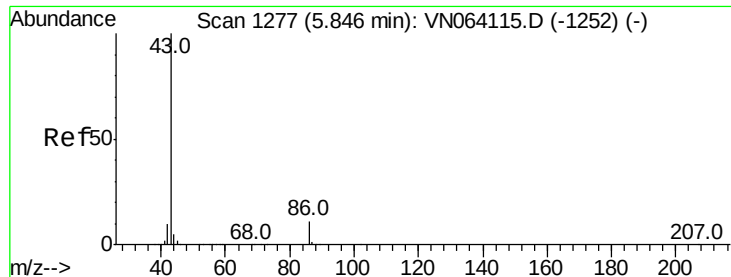
5.90

6.00

6.10

Time-->





#23

Vinyl Acetate

Concen: 292.477 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

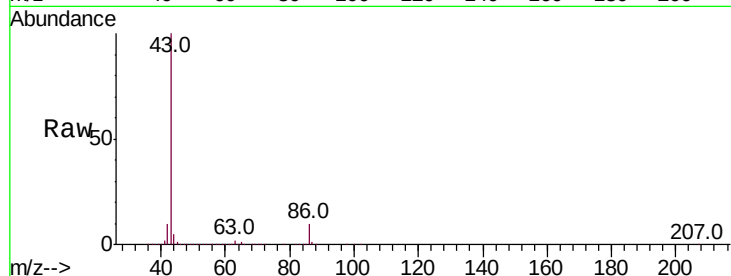
VSTDCCC050

Tot Ion: 43 Resp: 3797654

Ion Ratio Lower Upper

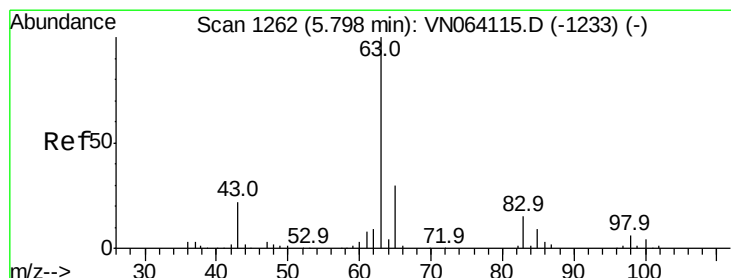
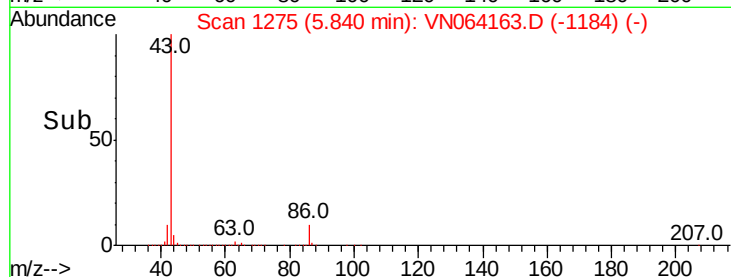
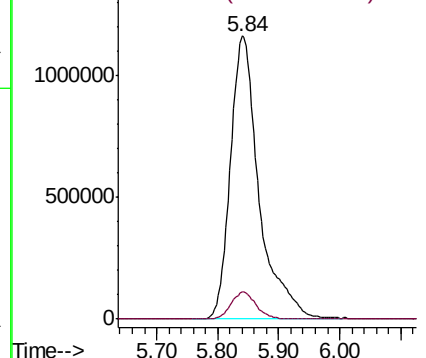
43 100

86 9.5 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VN064115.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN064115.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 49.732 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

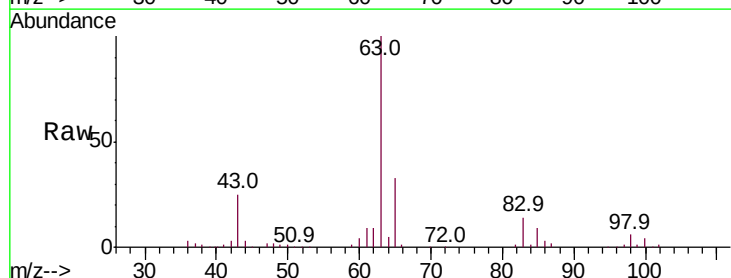
Tgt Ion: 63 Resp: 504836

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

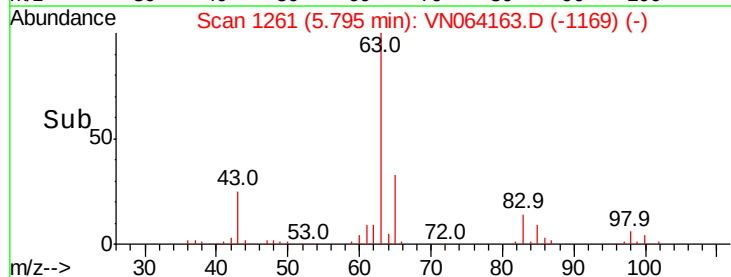
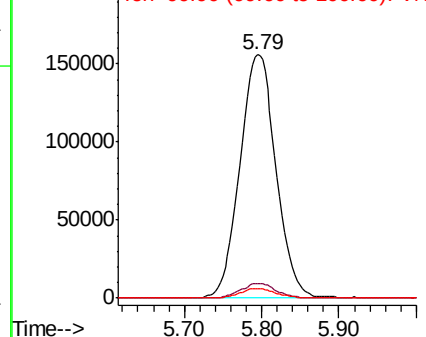
100 3.9 2.1 6.2

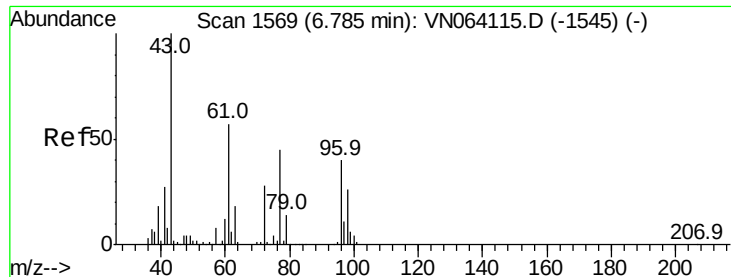


Abundance Ion 62.90 (62.60 to 63.60): VN064115.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN064115.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN064115.D (-1233) (-)





#25

2-Butanone

Concen: 300.475 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

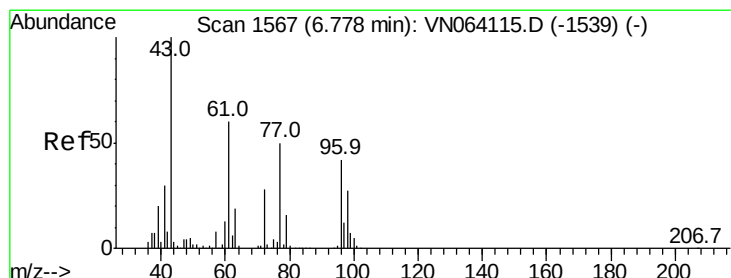
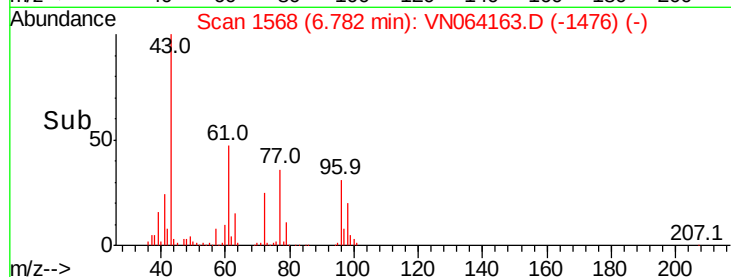
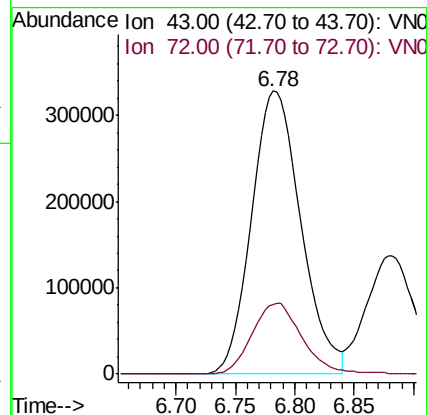
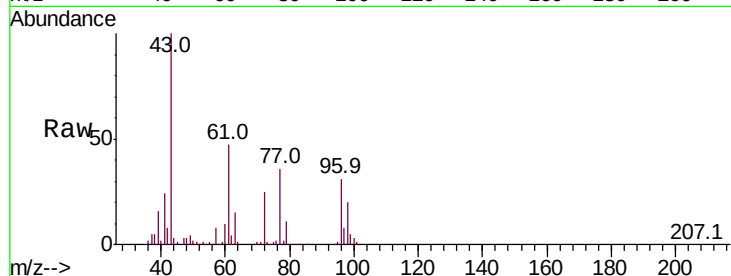
VSTDCCC050

Tot Ion: 43 Resp: 940078

Ion Ratio Lower Upper

43 100

72 24.7 22.2 33.2



#26

2,2-Dichloropropane

Concen: 47.961 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064163.D

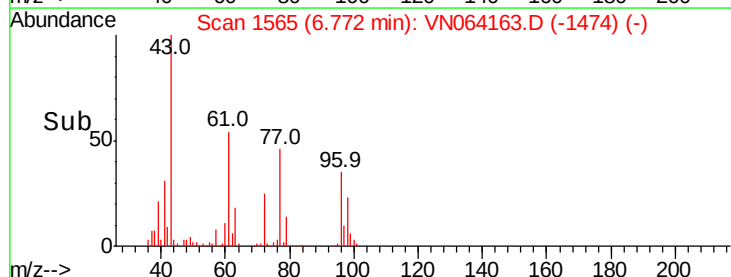
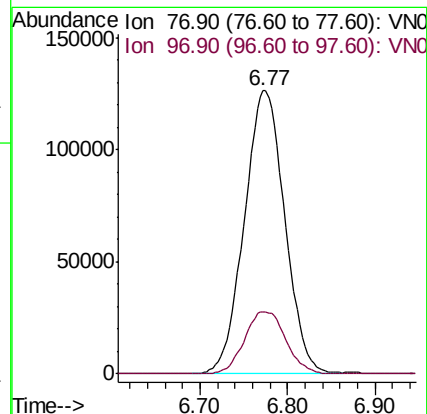
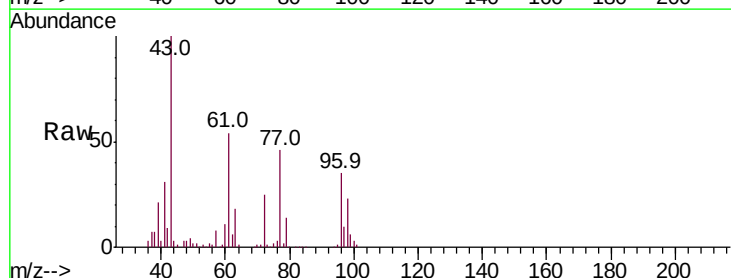
Acq: 16 Oct 2020 14:18

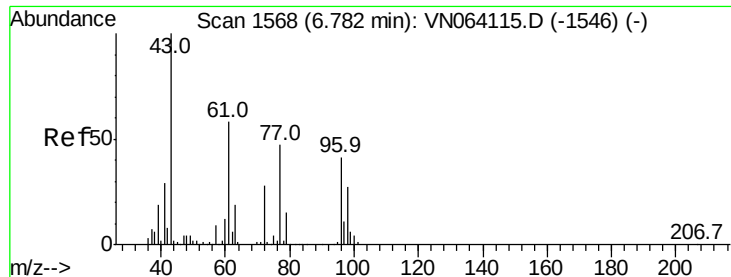
Tgt Ion: 77 Resp: 405057

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 46.551 ug/l

RT: 6.78 min Scan# 1567

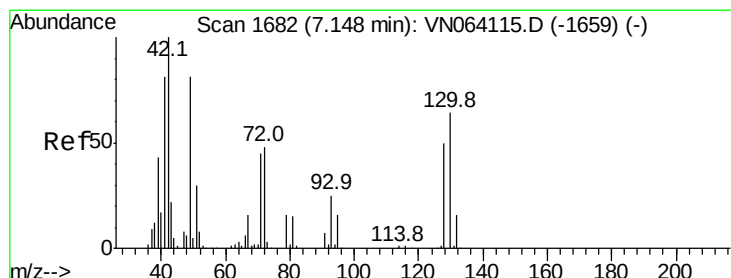
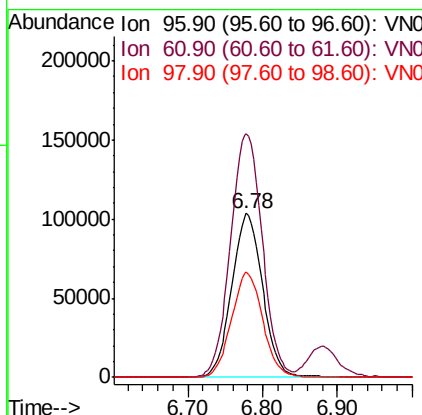
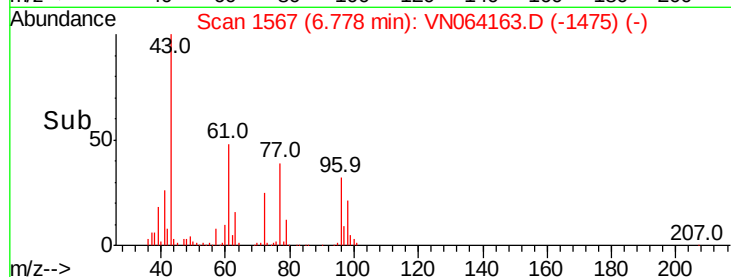
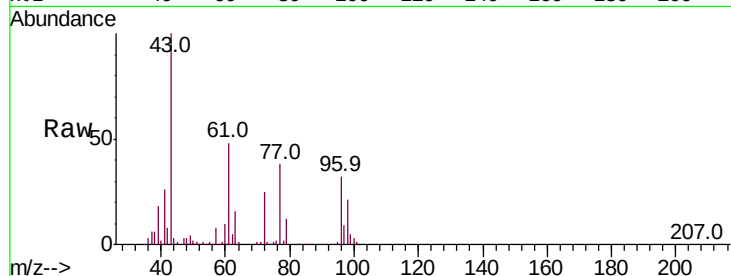
Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	285.6
98	64.7	0.0	131.0



#28

Bromochloromethane

Concen: 57.624 ug/l

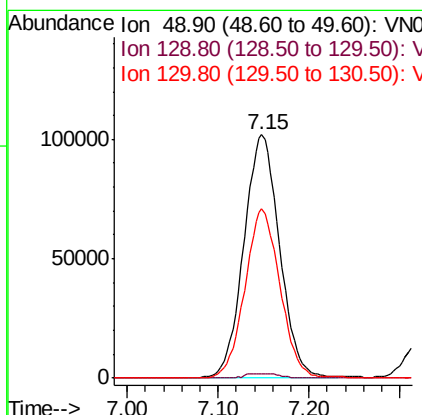
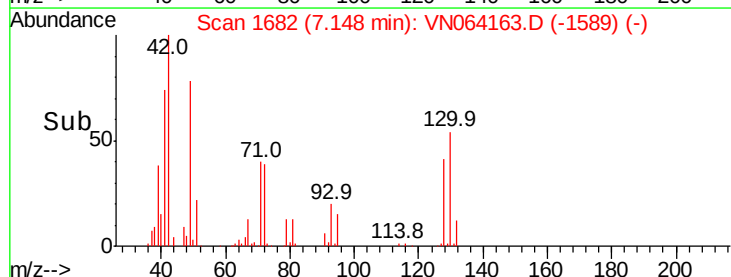
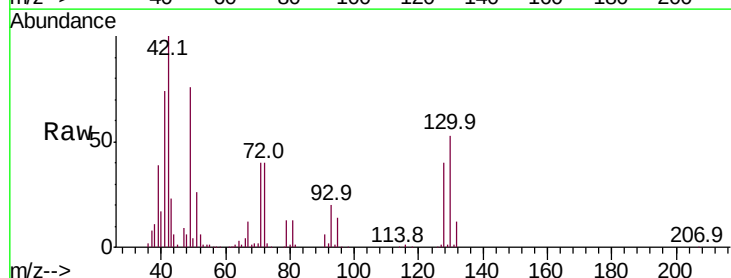
RT: 7.15 min Scan# 1682

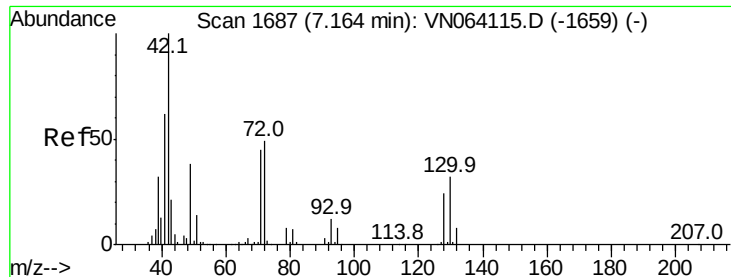
Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.0
130	68.1	0.0	0.0#

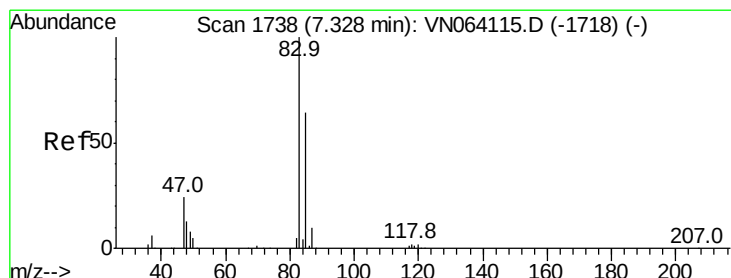
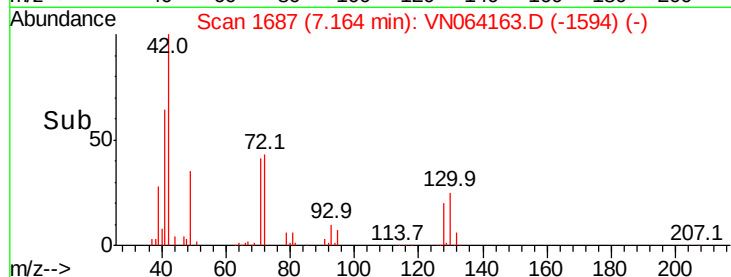
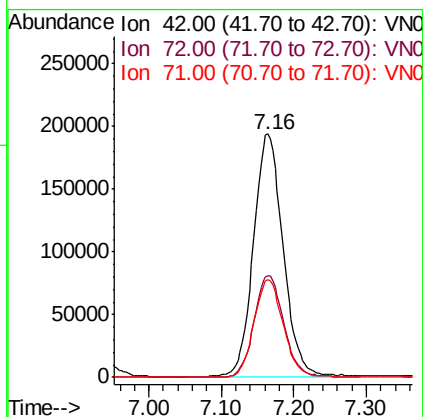
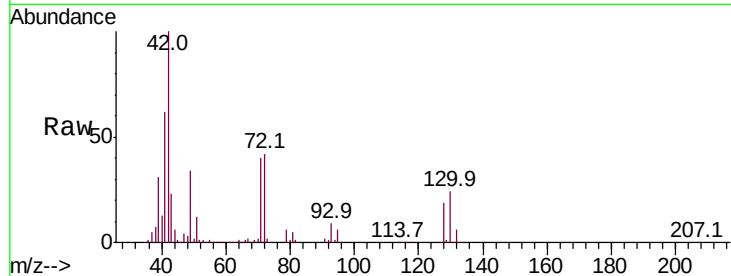




#29
Tetrahydrofuran
Concen: 301.839 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

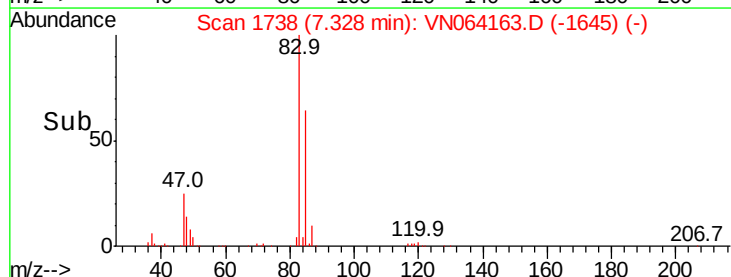
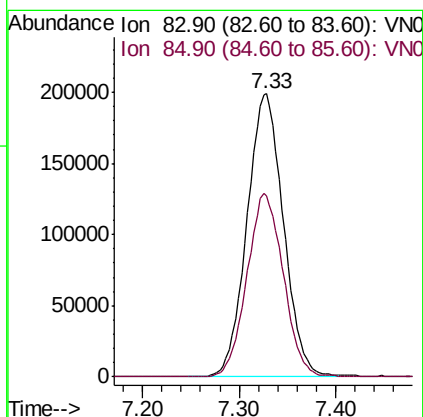
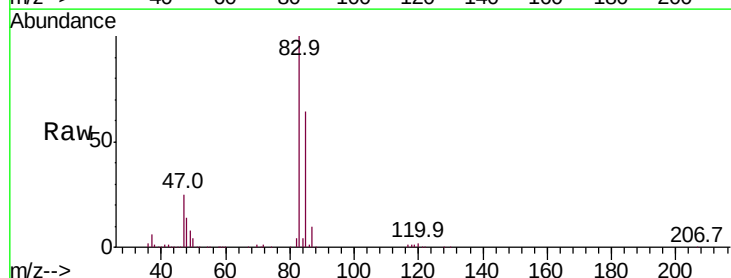
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

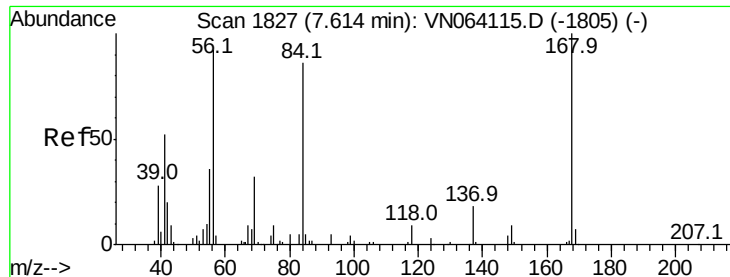
Tot Ion: 42 Resp: 551911
Ion Ratio Lower Upper
42 100
72 41.6 37.8 56.6
71 39.9 35.3 52.9



#30
Chloroform
Concen: 48.178 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 83 Resp: 521007
Ion Ratio Lower Upper
83 100
85 63.9 51.5 77.3

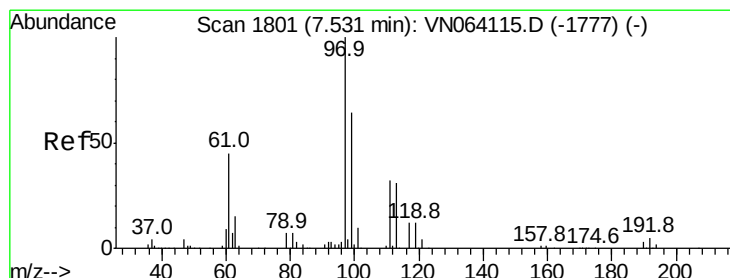
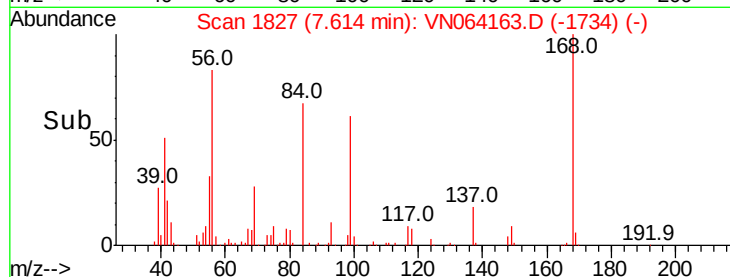
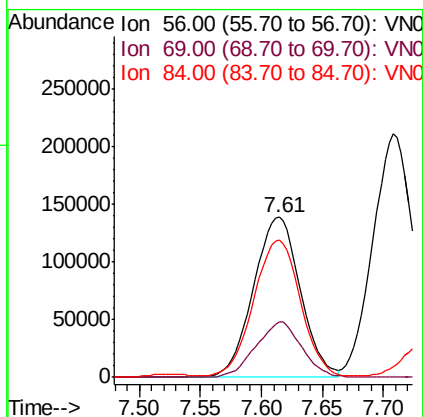
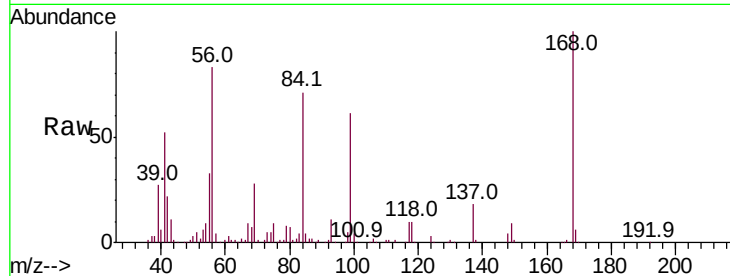




#31
Cyclohexane
Concen: 48.855 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

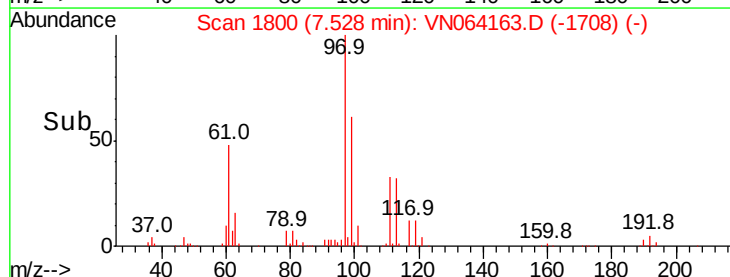
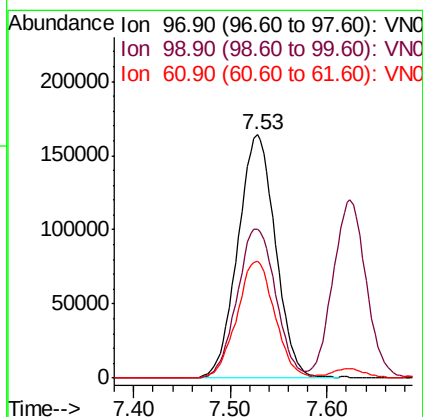
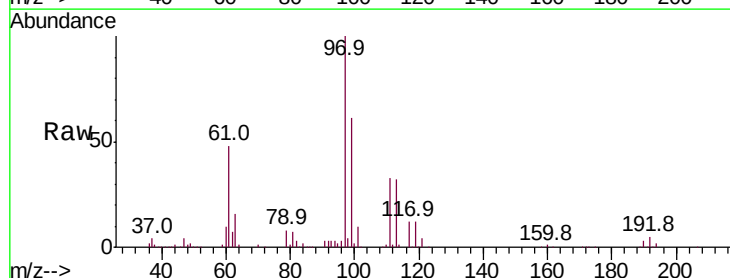
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

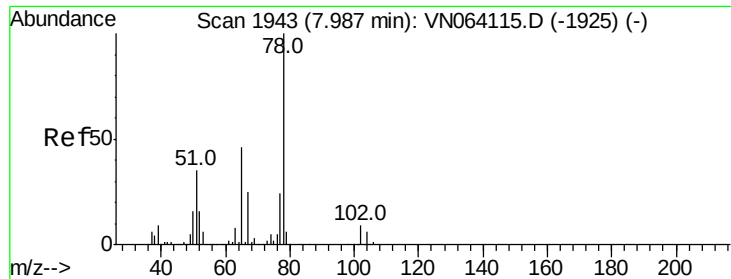
Tot Ion: 56 Resp: 370371
Ion Ratio Lower Upper
56 100
69 34.4 27.8 41.6
84 84.2 73.2 109.8



#32
1,1,1-Trichloroethane
Concen: 47.489 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 97 Resp: 443765
Ion Ratio Lower Upper
97 100
99 62.9 50.2 75.2
61 48.2 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 52.265 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

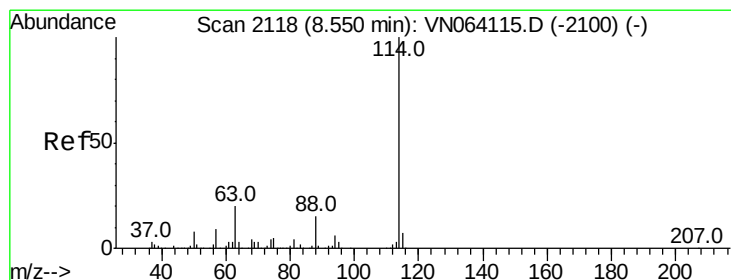
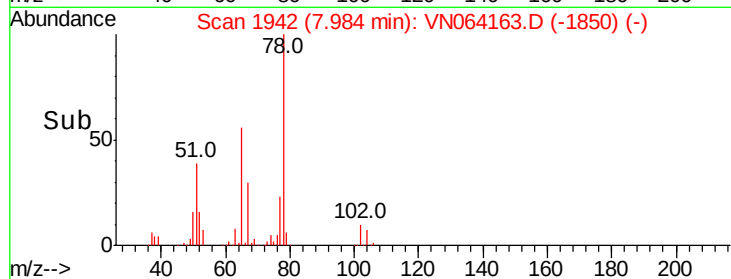
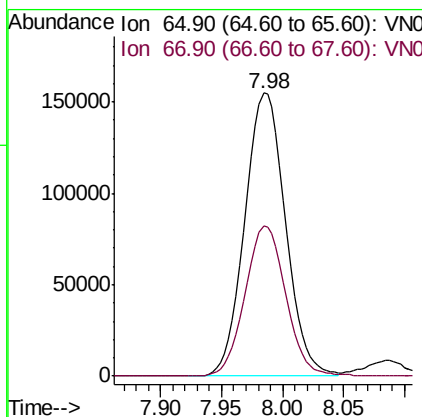
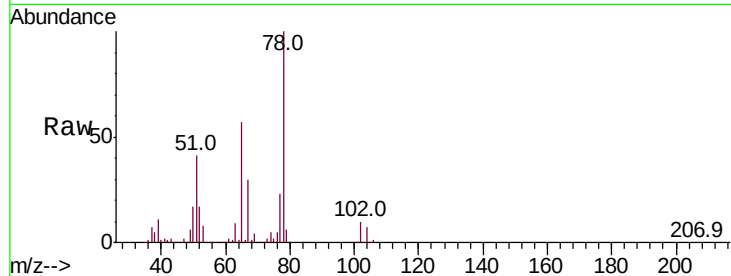
Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 358413

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

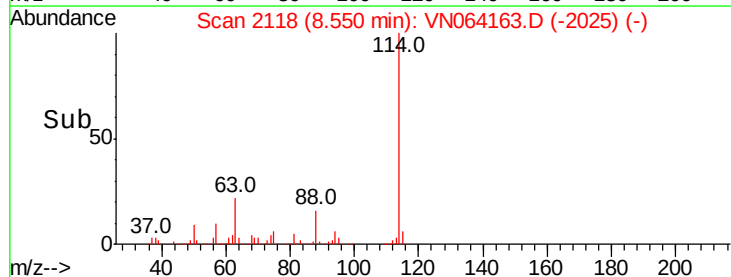
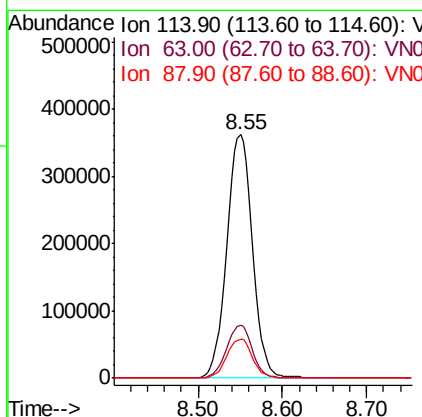
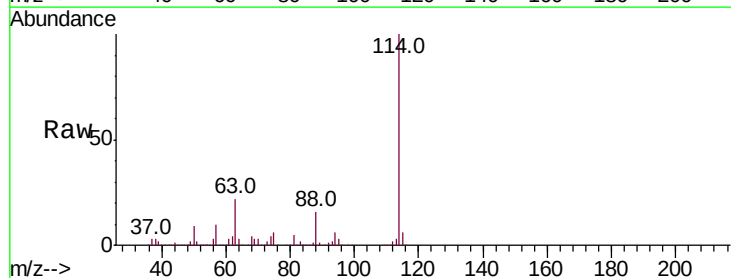
Delta R.T. 0.00 min

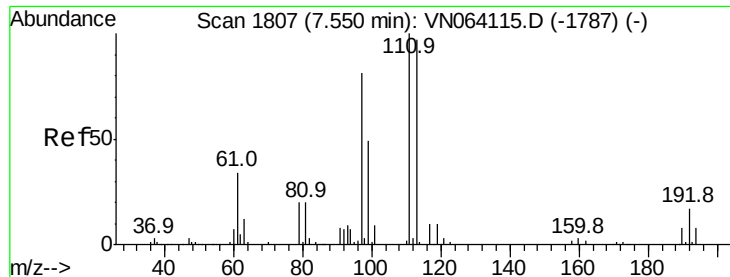
Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion: 114 Resp: 765797

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	41.0
88	16.1	0.0	29.2





#35

Dibromofluoromethane

Concen: 50.553 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

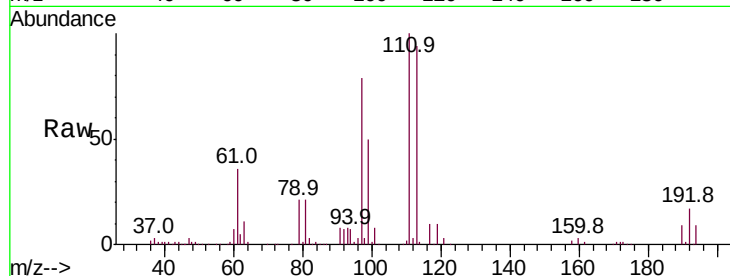
Tot Ion:113 Resp: 267952

Ion Ratio Lower Upper

113 100

111 104.7 81.9 122.9

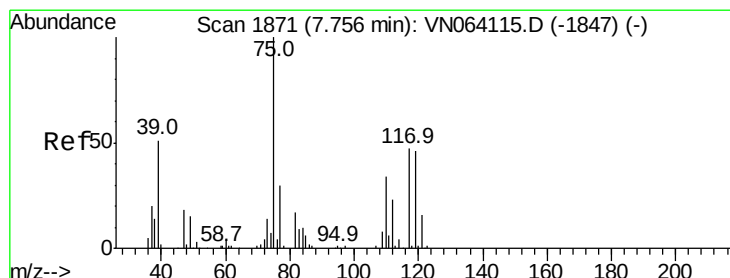
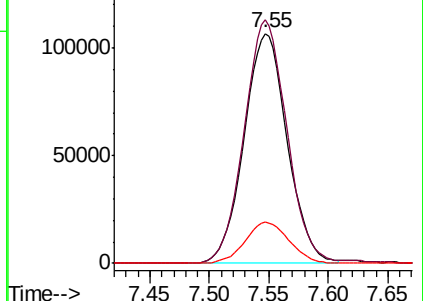
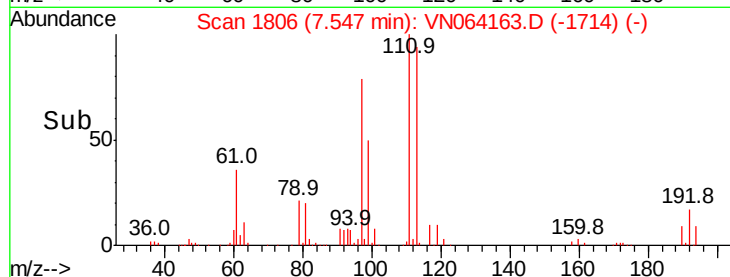
192 18.1 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.704 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

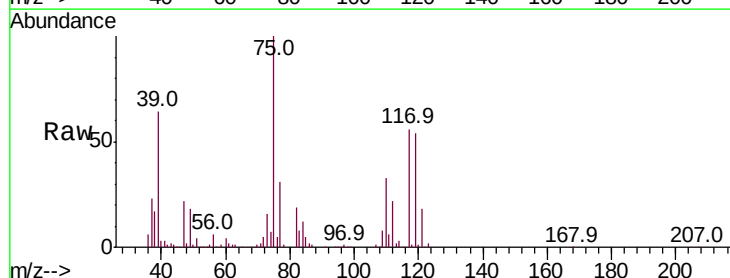
Tgt Ion: 75 Resp: 381641

Ion Ratio Lower Upper

75 100

110 33.9 17.8 53.3

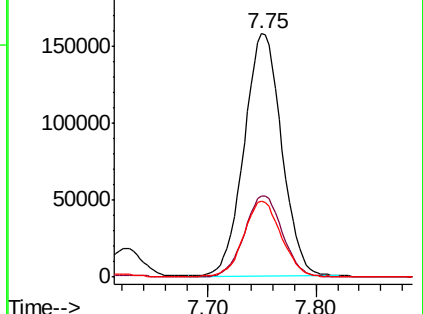
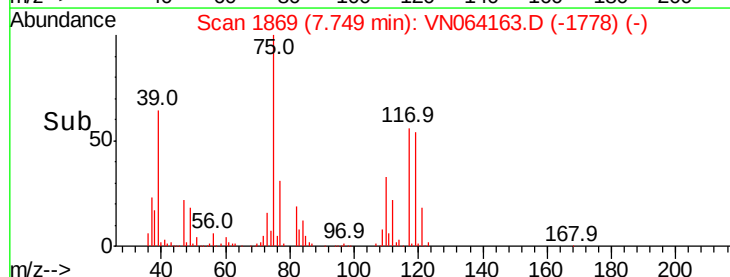
77 31.2 24.9 37.3

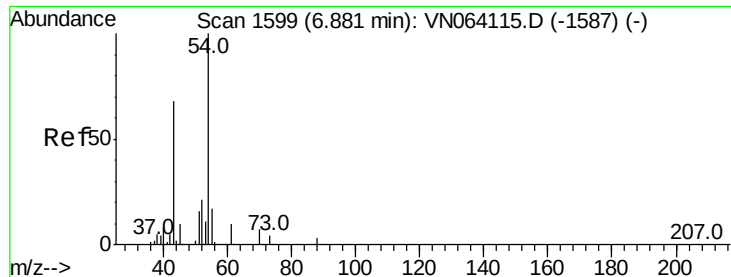


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

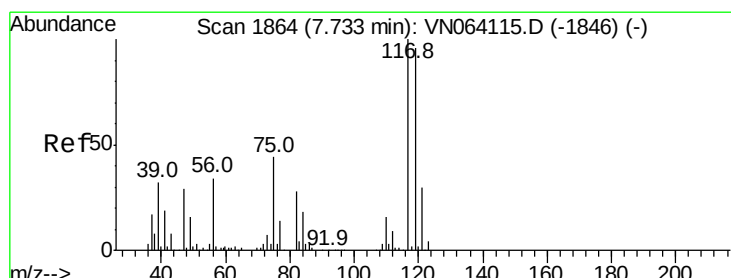
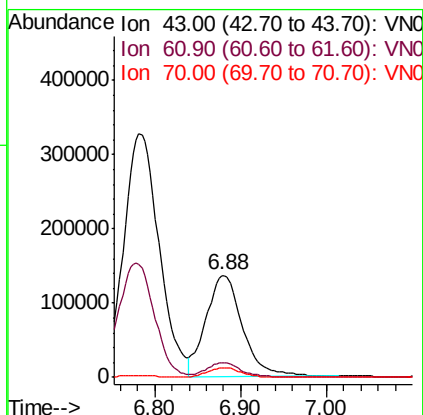
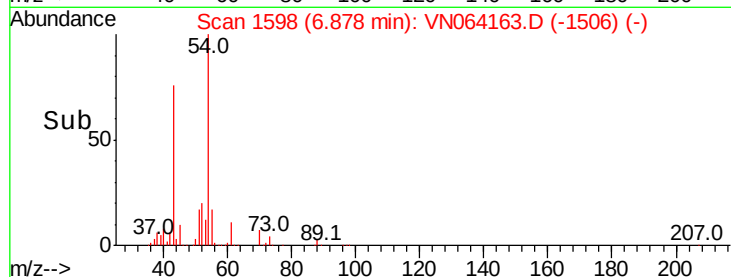
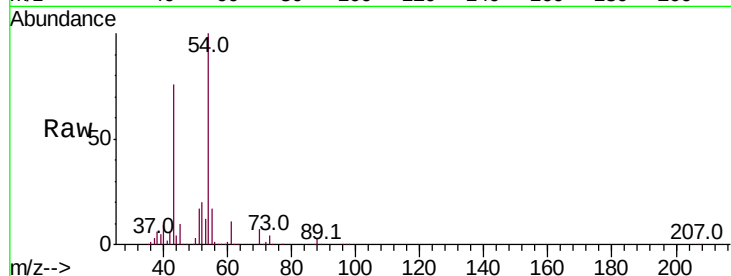




#37
Ethyl Acetate
Concen: 61.464 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

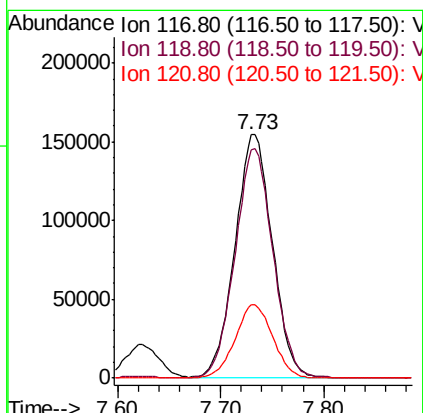
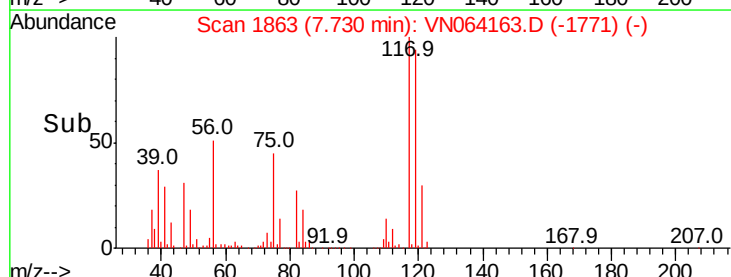
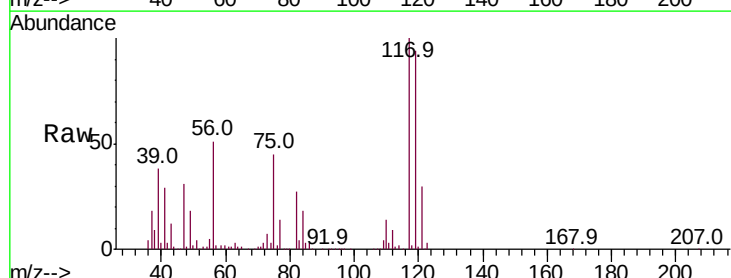
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

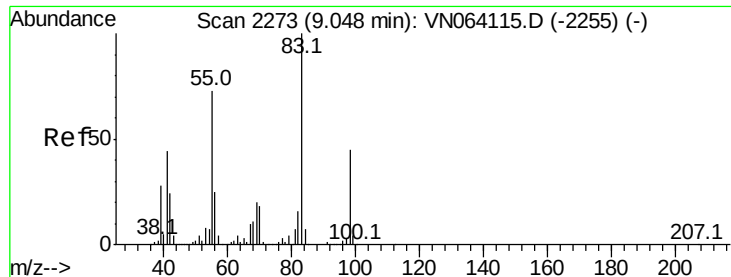
Tot Ion: 43 Resp: 402628
Ion Ratio Lower Upper
43 100
61 13.1 11.3 16.9
70 9.2 7.7 11.5



#38
Carbon Tetrachloride
Concen: 48.908 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 117 Resp: 388188
Ion Ratio Lower Upper
117 100
119 94.0 77.0 115.4
121 30.4 24.2 36.4

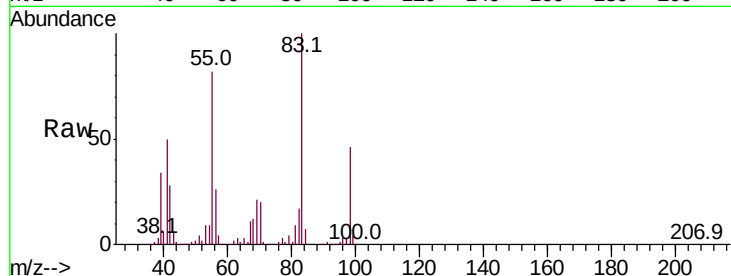




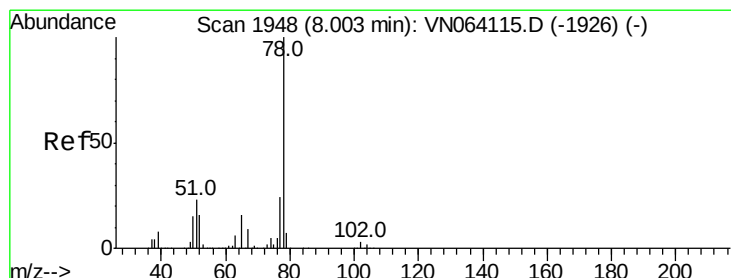
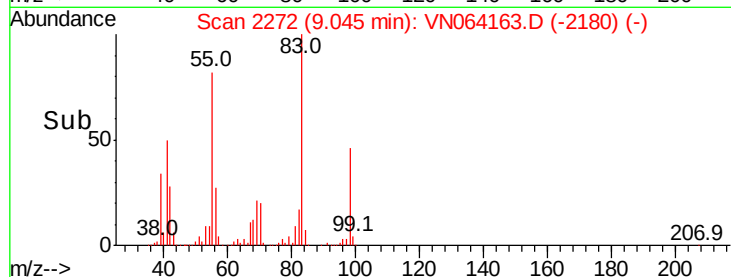
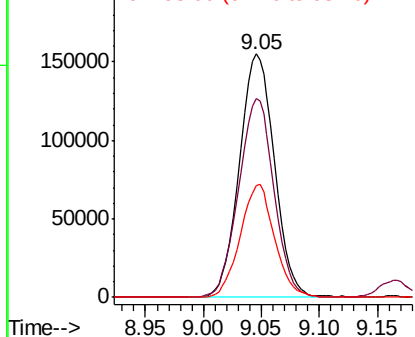
#39
Methylvlcyclohexane
Concen: 52.568 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 326205
Ion Ratio Lower Upper
83 100
55 81.7 58.5 87.7
98 45.7 36.2 54.2

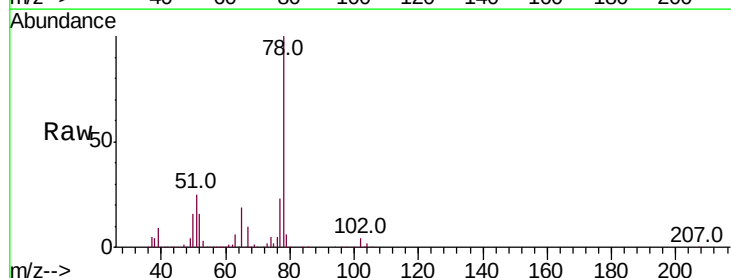


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

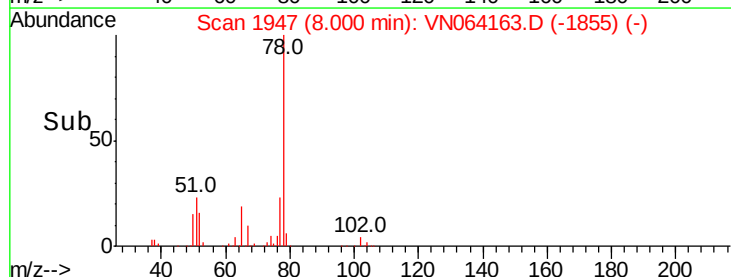
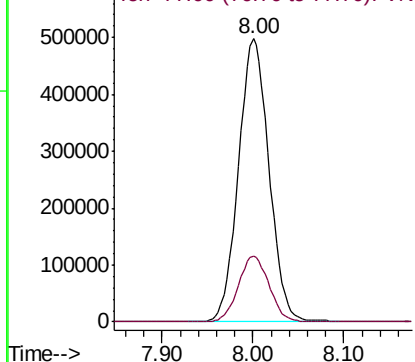


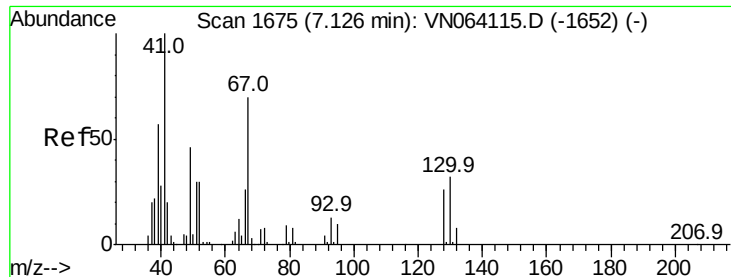
#40
Benzene
Concen: 51.864 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 78 Resp: 1159296
Ion Ratio Lower Upper
78 100
77 23.4 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

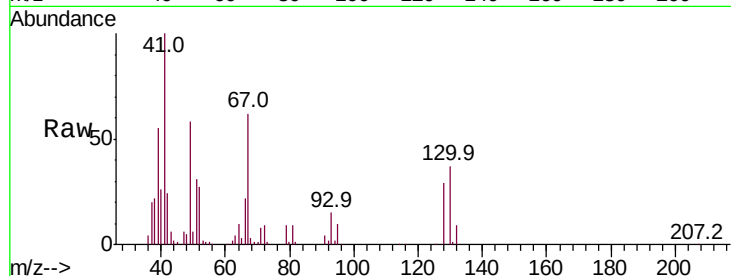




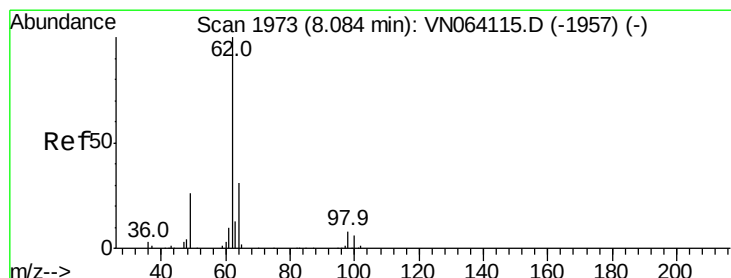
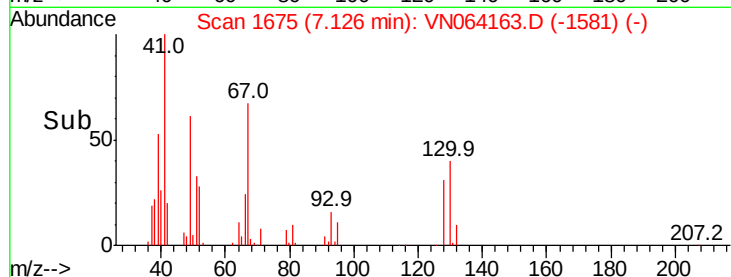
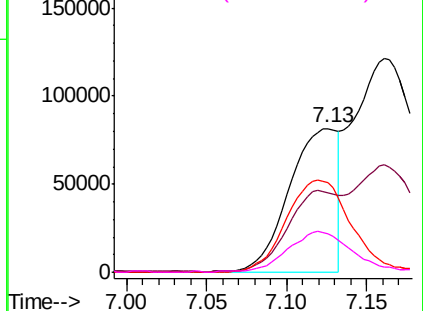
#41
Methacrylonitrile
Concen: 61.093 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	173262
Ion	Ratio	Lower	Upper
41	100		
39	61.0	50.7	76.1
67	86.1	73.8	110.6
52	36.6	32.2	48.4

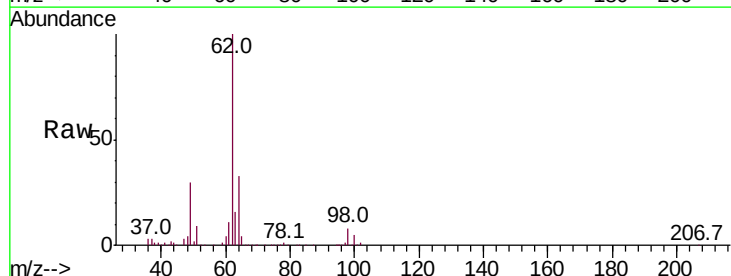


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

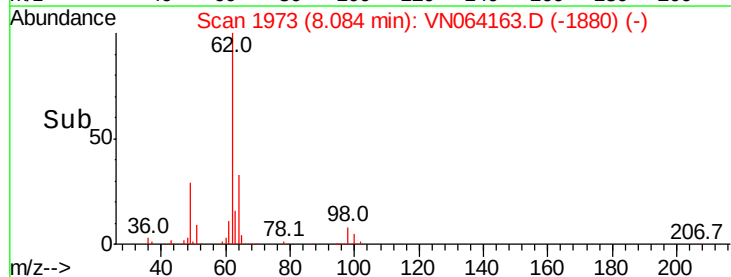
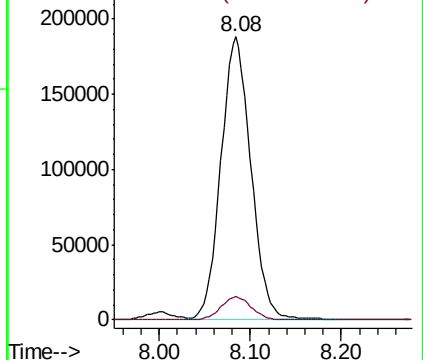


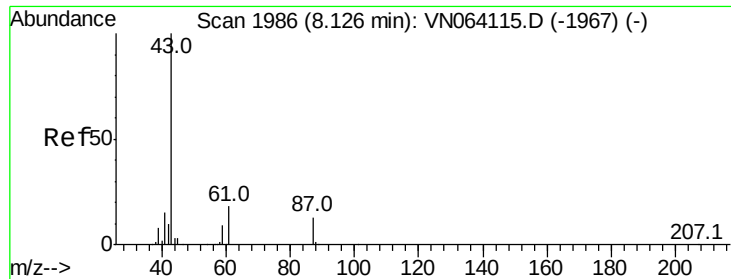
#42
1,2-Dichloroethane
Concen: 53.956 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:	62	Resp:	429128
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 58.234 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

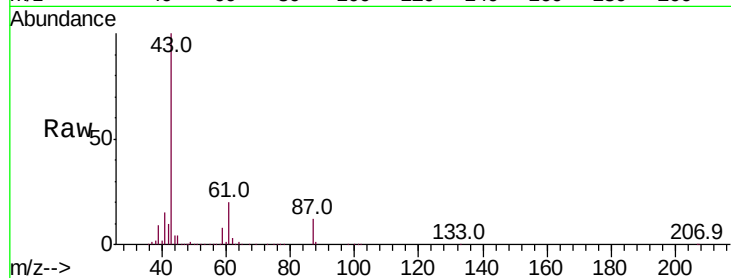
Tot Ion: 43 Resp: 633025

Ion Ratio Lower Upper

43 100

61 19.3 21.9 32.9#

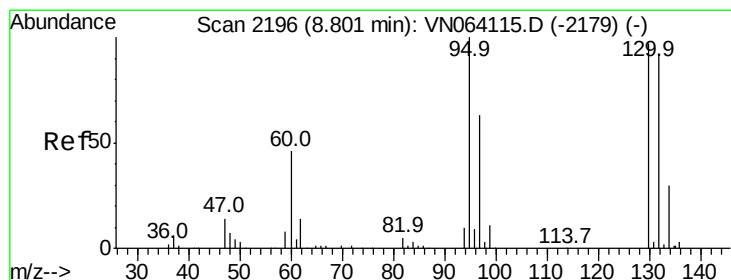
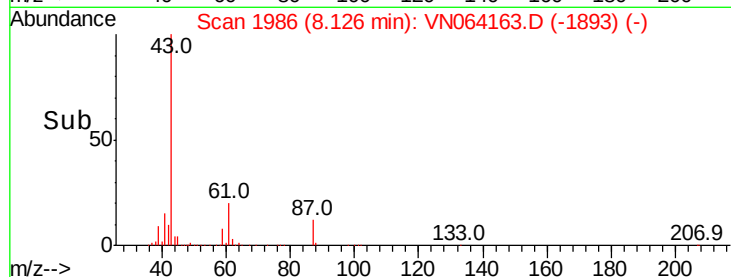
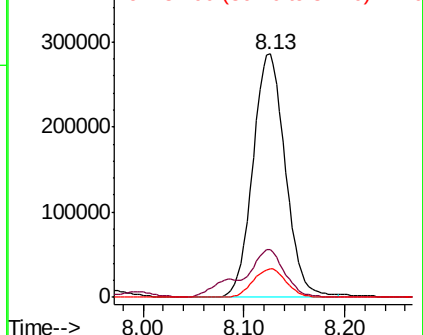
87 12.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN064115.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN064115.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN064115.D (-1967) (-)



#44

Trichloroethene

Concen: 47.619 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064163.D

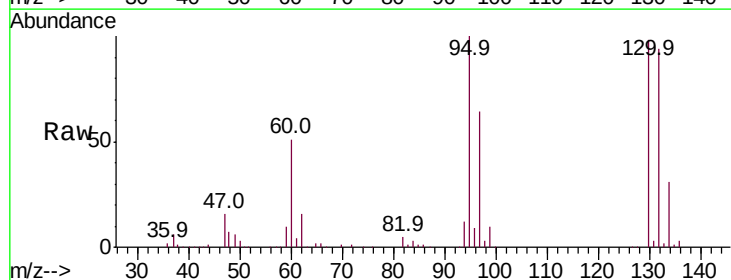
Acq: 16 Oct 2020 14:18

Tgt Ion:130 Resp: 279892

Ion Ratio Lower Upper

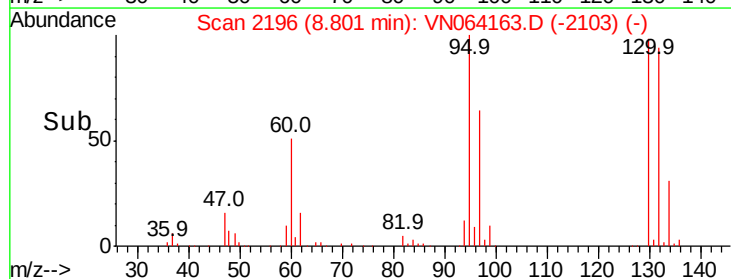
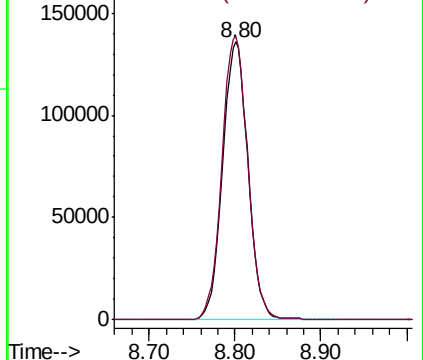
130 100

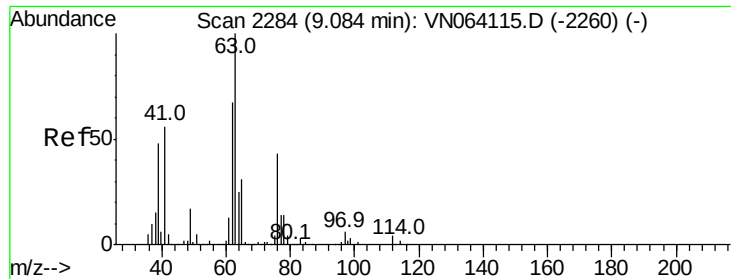
95 101.7 0.0 206.2



Abundance Ion 129.80 (129.50 to 130.50): VN064115.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064115.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 53.842 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

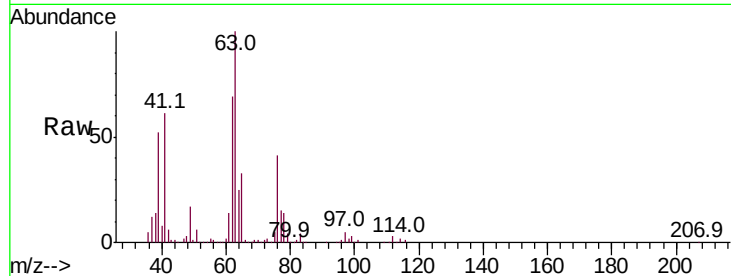
VSTDCCC050

Tot Ion: 63 Resp: 315322

Ion Ratio Lower Upper

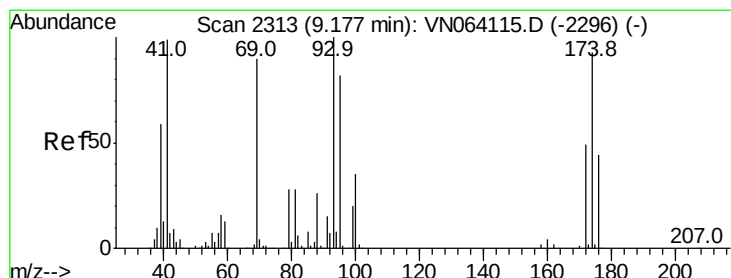
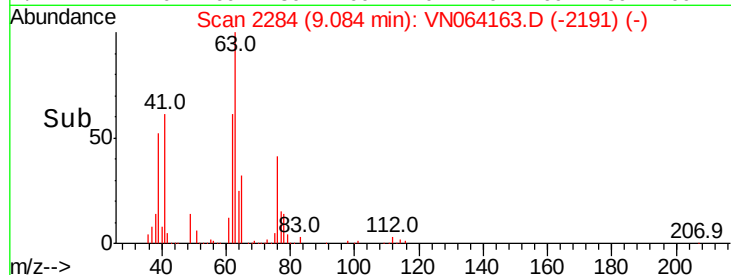
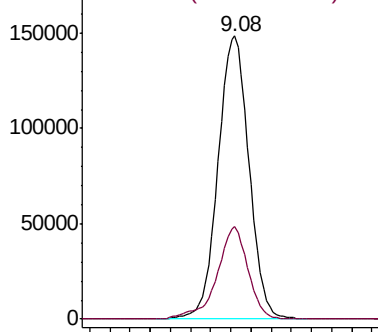
63 100

65 32.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.207 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

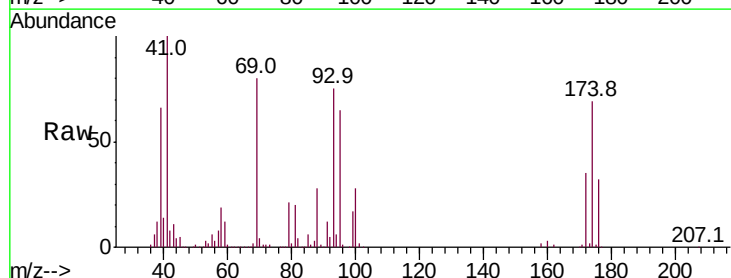
Tgt Ion: 93 Resp: 204451

Ion Ratio Lower Upper

93 100

95 82.7 66.8 100.2

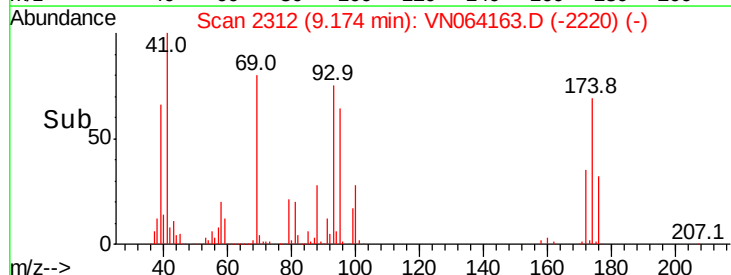
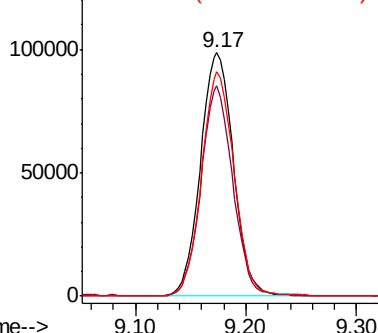
174 90.9 75.2 112.8

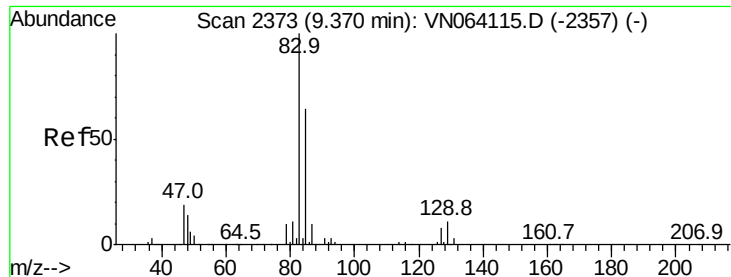


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.145 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

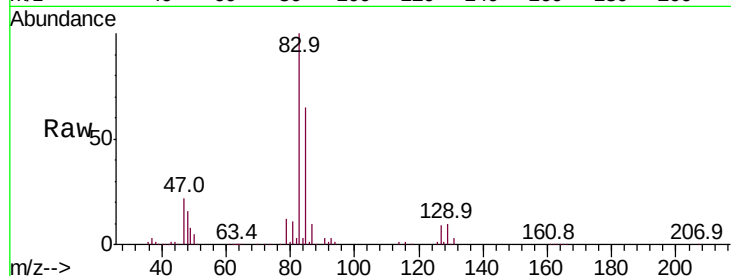
Tot Ion: 83 Resp: 415759

Ion Ratio Lower Upper

83 100

85 64.7 50.8 76.2

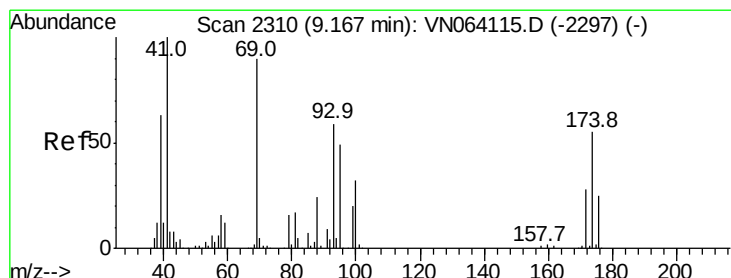
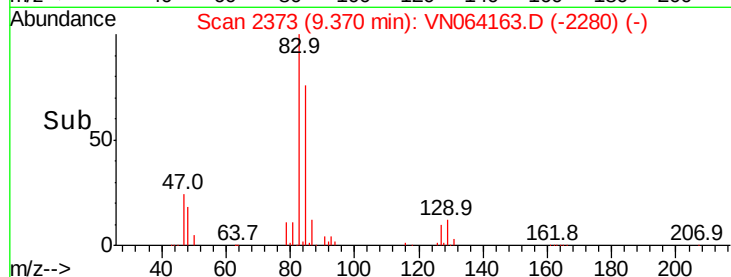
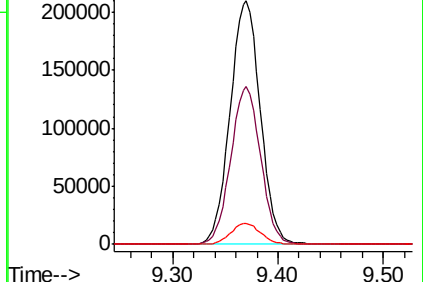
127 8.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN064115.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN064115.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN064115.D (-2357) (-)



#48

Methyl methacrylate

Concen: 61.194 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

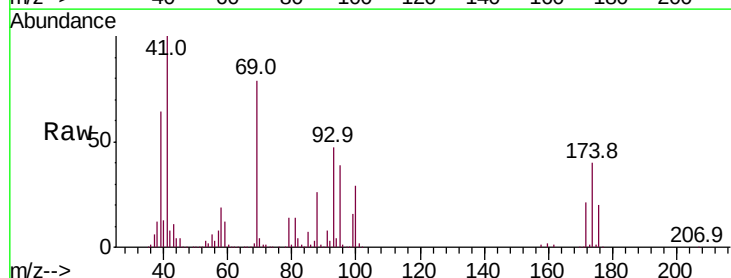
Tgt Ion: 41 Resp: 307266

Ion Ratio Lower Upper

41 100

69 82.3 71.4 107.2

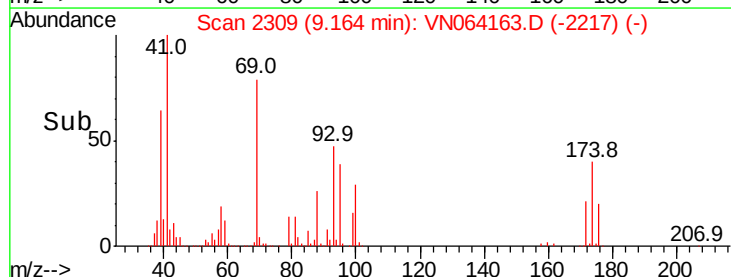
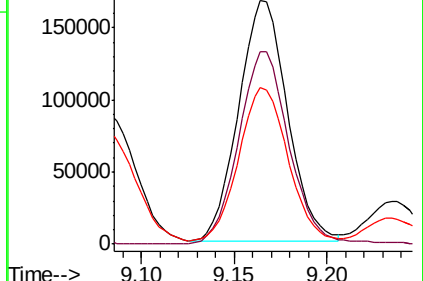
39 66.2 52.5 78.7

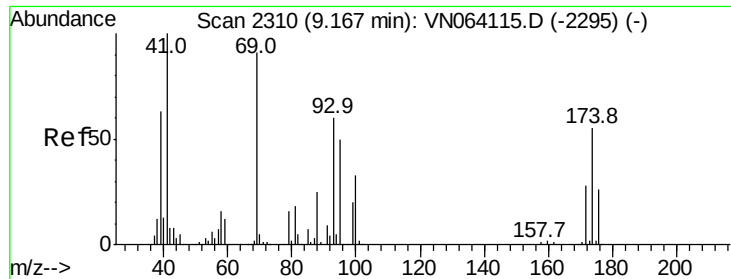


Abundance Ion 41.00 (40.70 to 41.70): VN064115.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN064115.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN064115.D (-2297) (-)

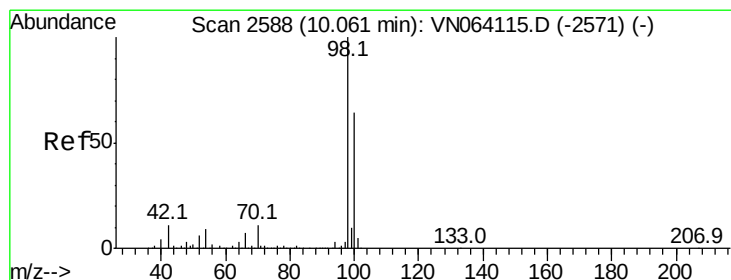
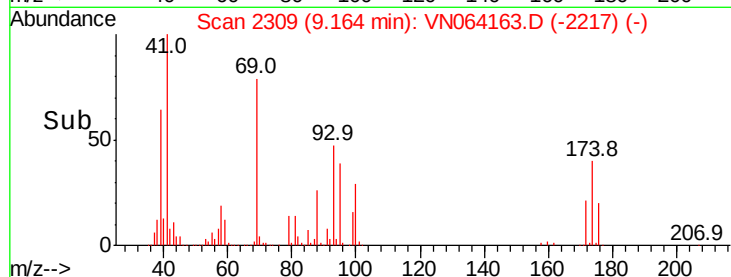
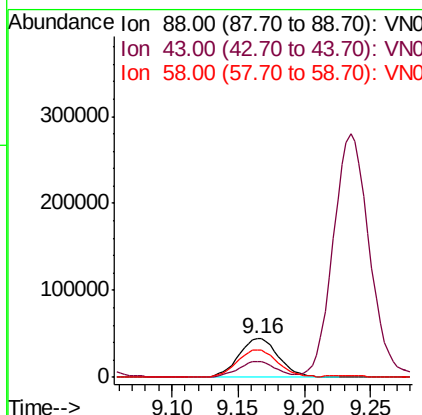
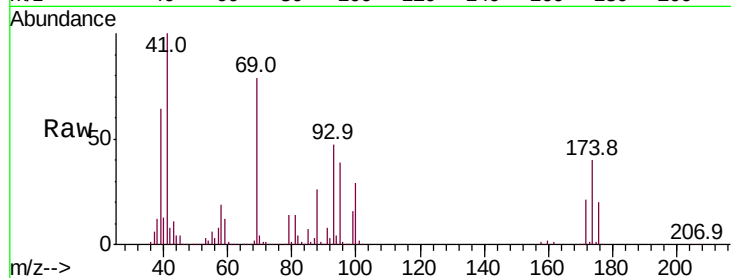




#49
 1,4-Dioxane
 Concen: 1234.071 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

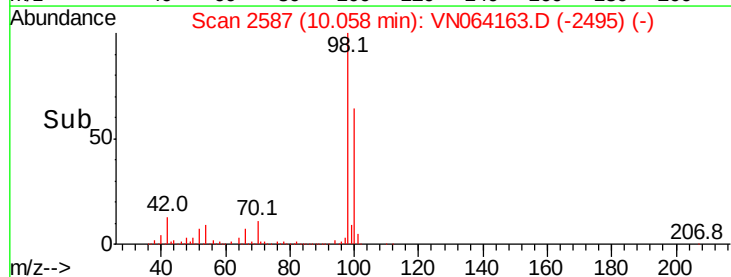
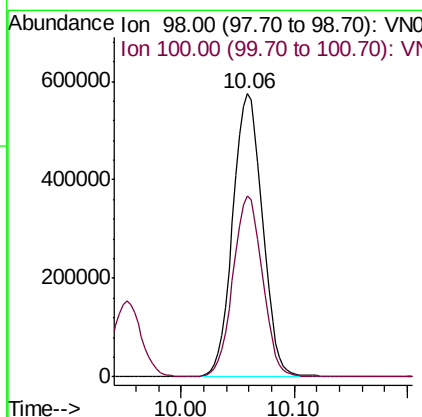
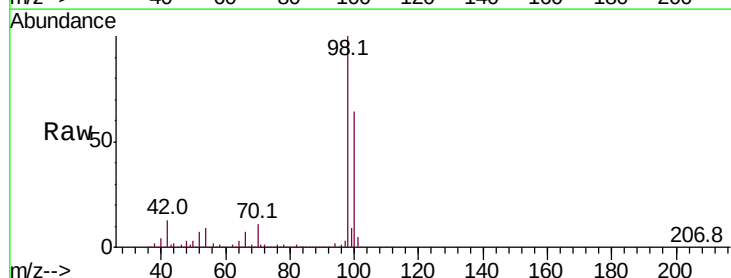
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

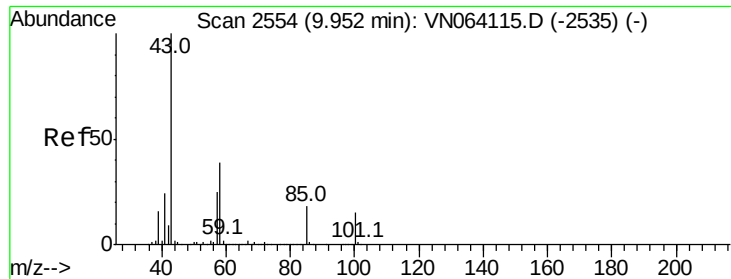
Tot Ion: 88 Resp: 94093
 Ion Ratio Lower Upper
 88 100
 43 38.3 27.2 40.8
 58 72.4 52.6 78.8



#50
 Toluene-d8
 Concen: 52.825 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion: 98 Resp: 1056472
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.8 76.2

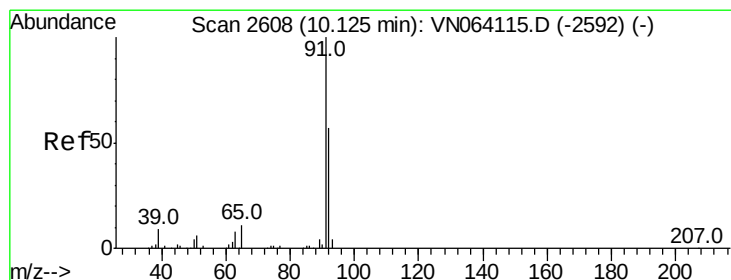
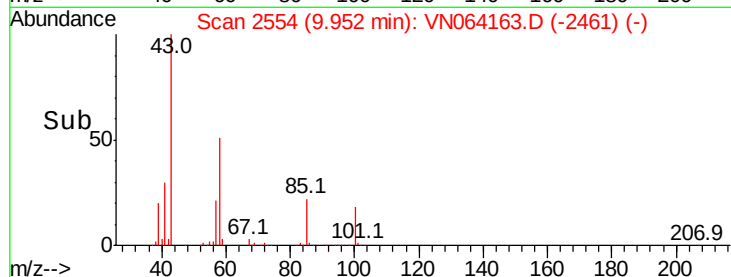
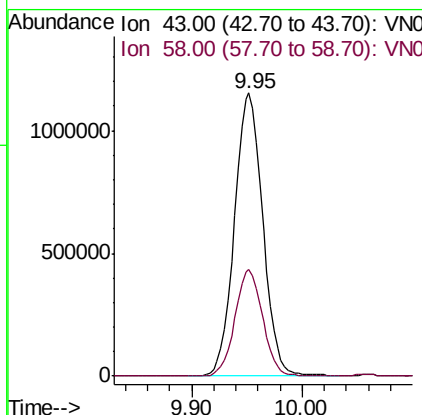
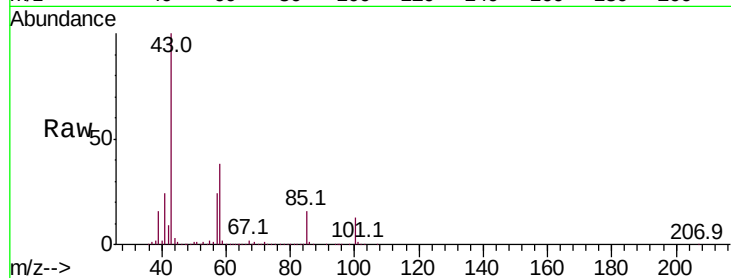




#51
4-Methyl-2-Pentanone
Concen: 318.702 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

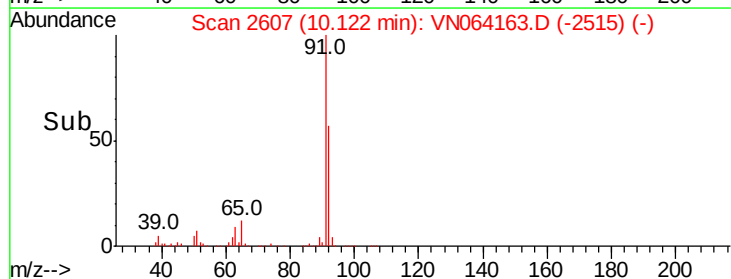
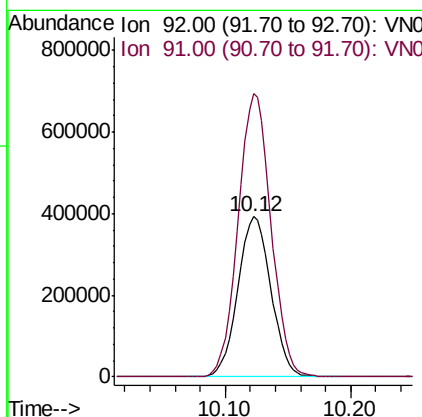
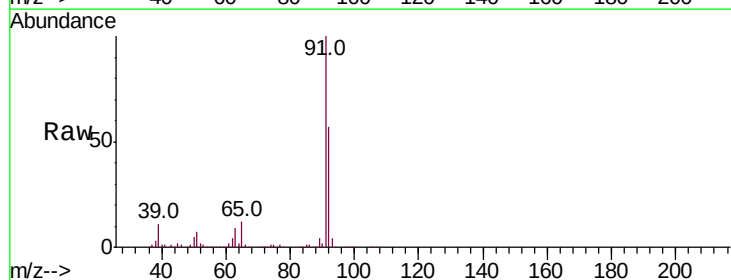
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

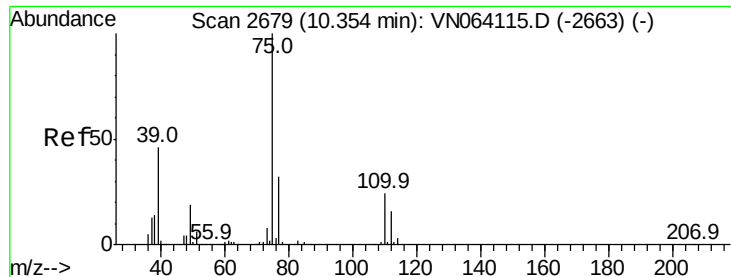
Tot Ion: 43 Resp: 2049999
Ion Ratio Lower Upper
43 100
58 37.1 31.2 46.8



#52
Toluene
Concen: 52.320 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 92 Resp: 718588
Ion Ratio Lower Upper
92 100
91 176.2 141.2 211.8





#53

t-1,3-Dichloropropene

Concen: 53.259 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

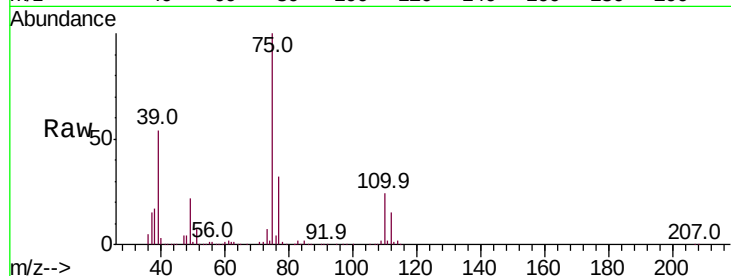
VSTDCCC050

Tot Ion: 75 Resp: 444223

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

250000

200000

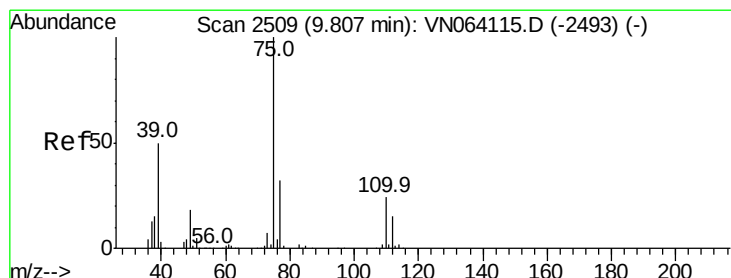
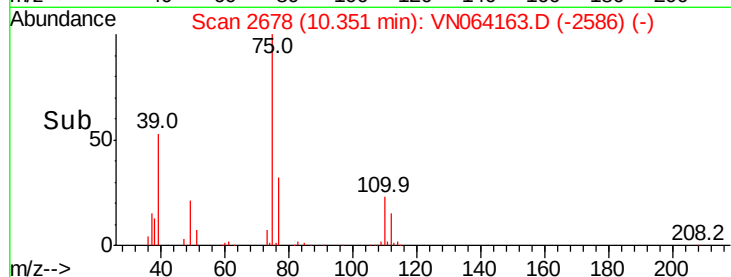
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.660 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

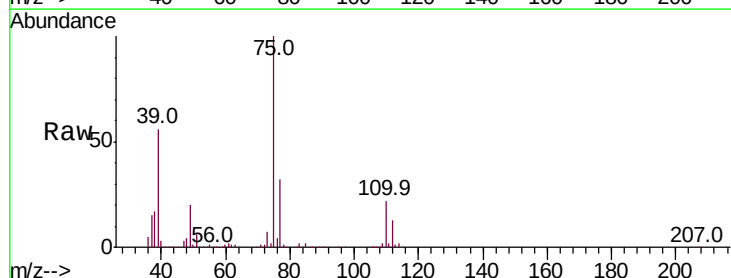
Tgt Ion: 75 Resp: 482614

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 55.5 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

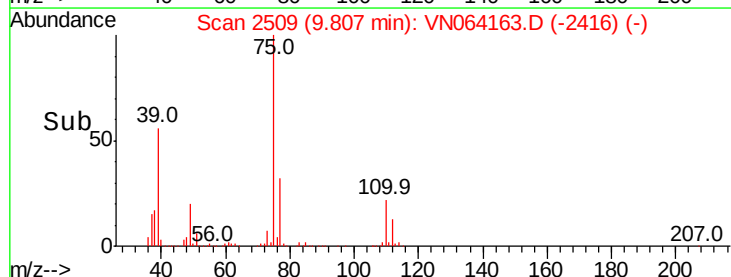
300000

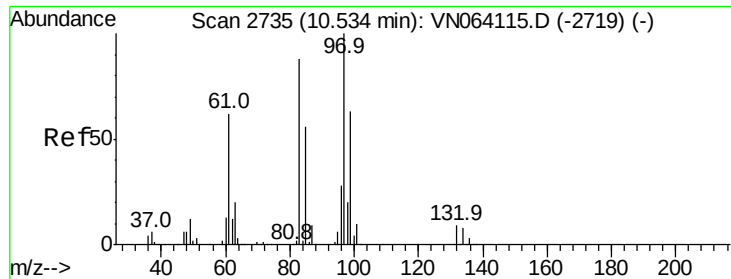
200000

100000

0

Time-->

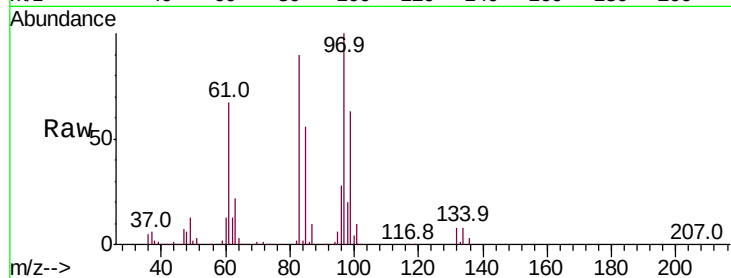




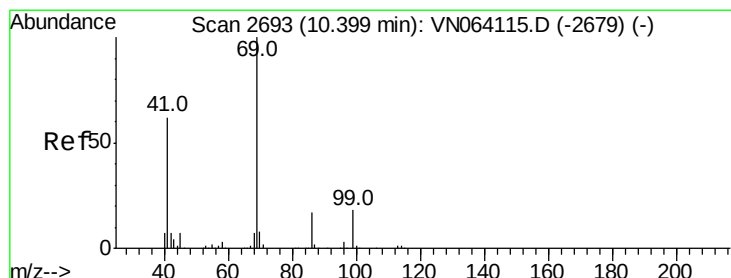
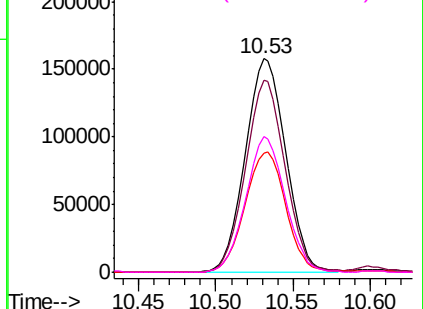
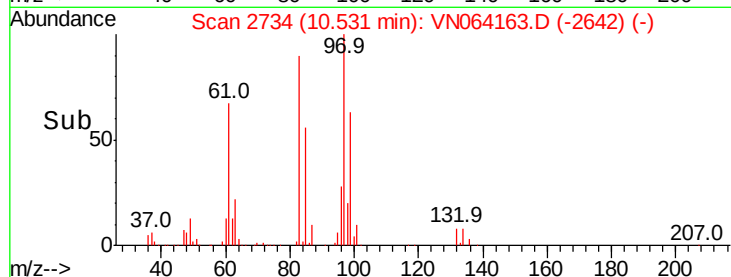
#55
1,1,2-Trichloroethane
Concen: 50.651 ug/l
RT: 10.53 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 97 Resp: 288199
Ion Ratio Lower Upper
97 100
83 90.1 70.2 105.4
85 56.0 45.0 67.6
99 63.3 50.7 76.1

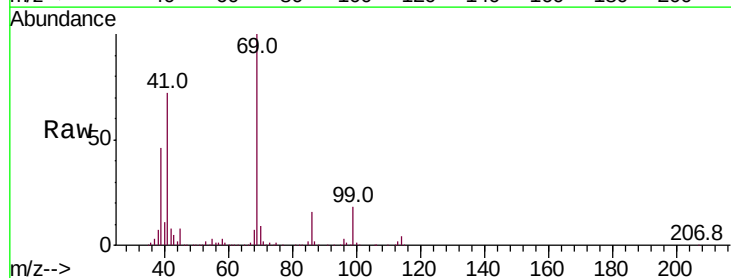


Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0

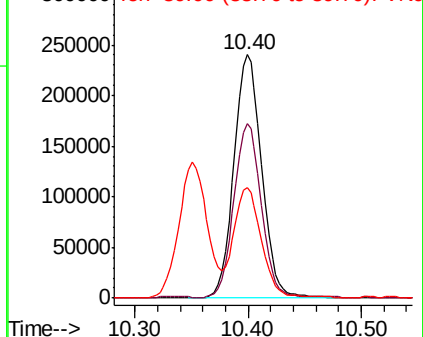
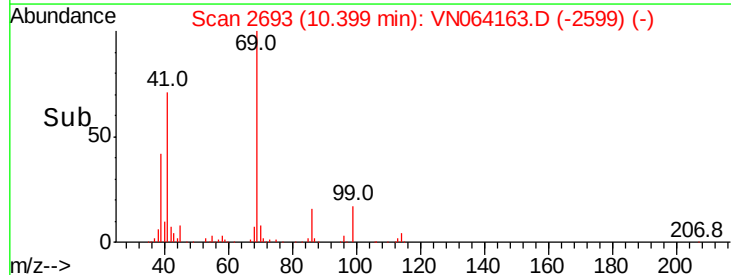


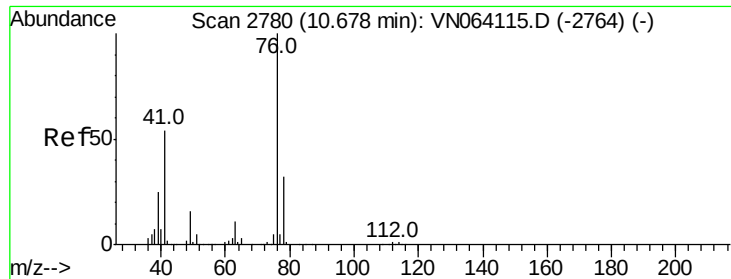
#56
Ethyl methacrylate
Concen: 49.864 ug/l
RT: 10.40 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 69 Resp: 411040
Ion Ratio Lower Upper
69 100
41 70.1 49.3 73.9
39 44.7 32.7 49.1



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

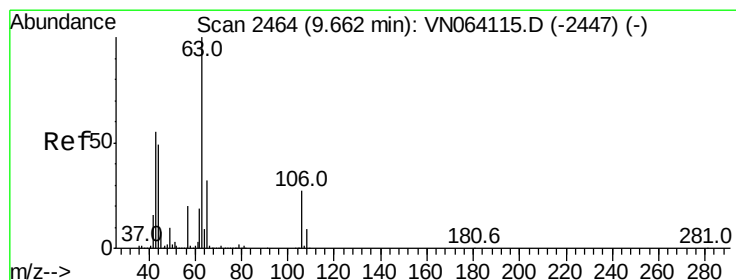
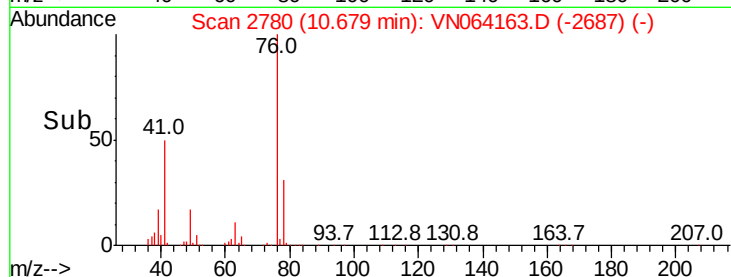
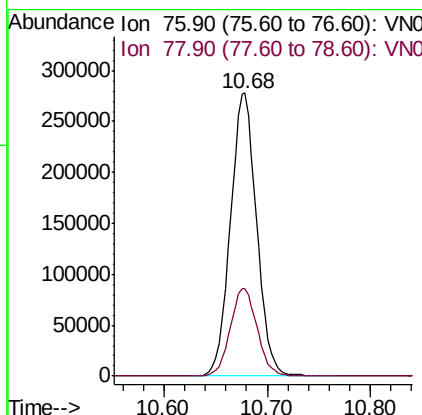
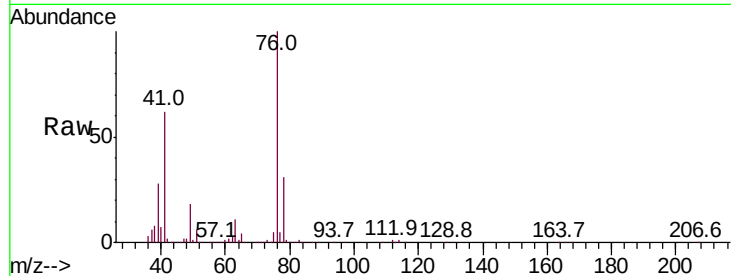




#57
 1,3-Dichloropropane
 Concen: 52.505 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

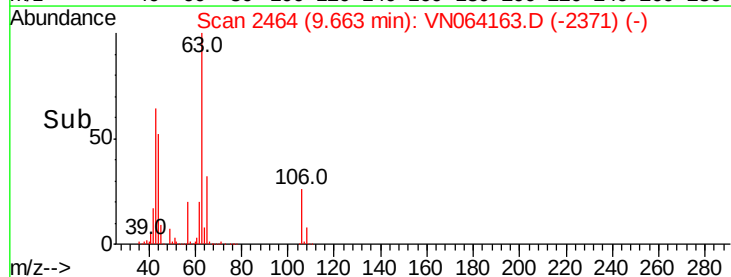
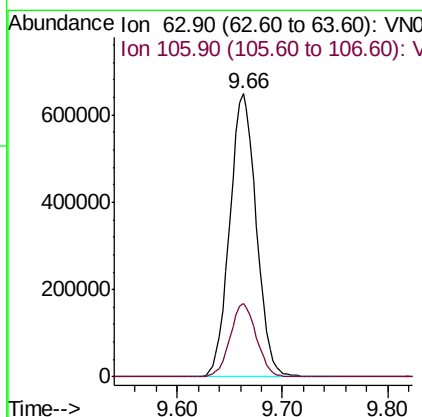
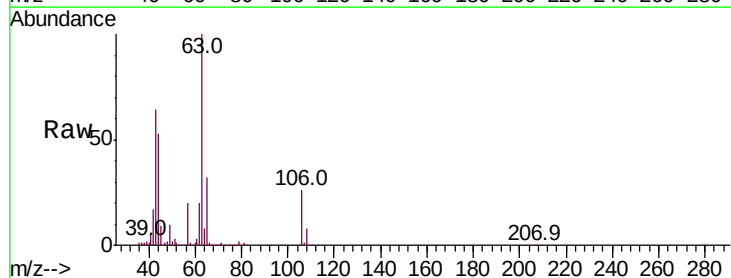
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

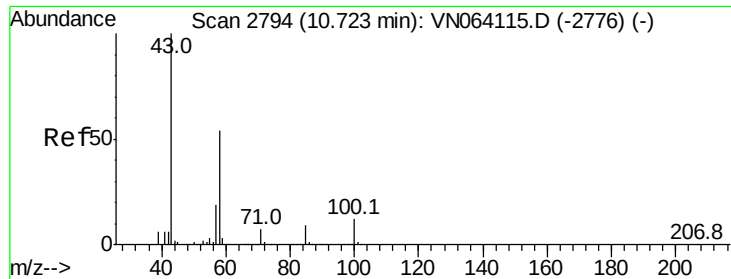
Tot Ion: 76 Resp: 491992
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.369 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion: 63 Resp: 1129171
 Ion Ratio Lower Upper
 63 100
 106 25.6 21.8 32.6

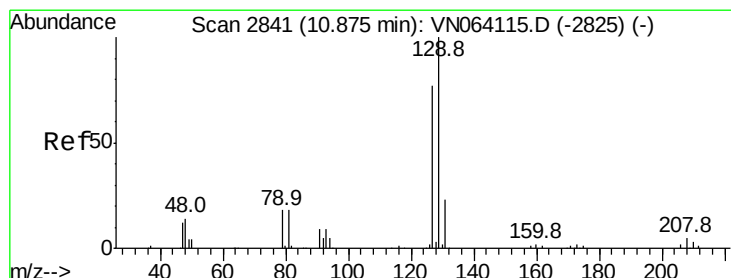
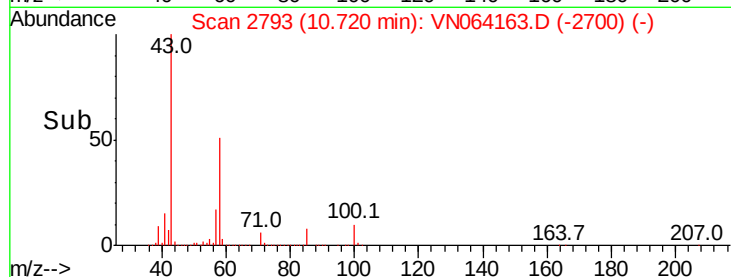
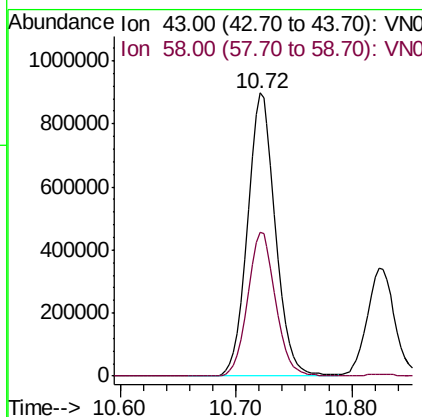
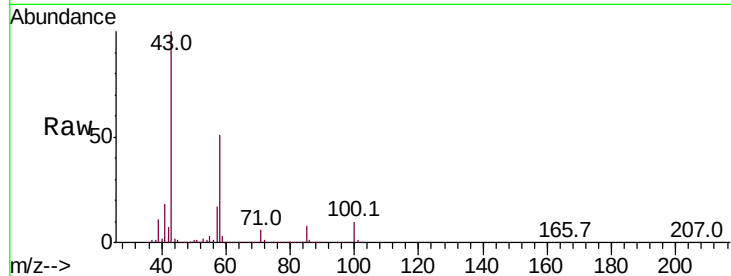




#59
2-Hexanone
Concen: 301.105 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

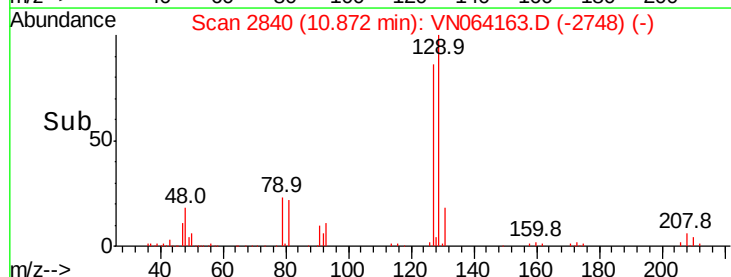
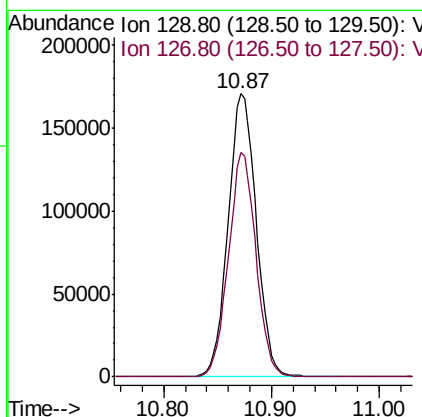
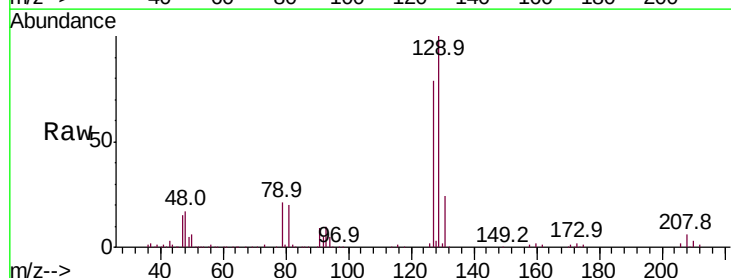
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

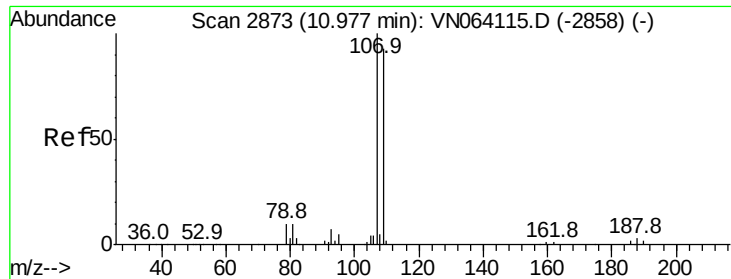
Tot Ion: 43 Resp: 1504216
Ion Ratio Lower Upper
43 100
58 51.0 27.2 81.6



#60
Dibromochloromethane
Concen: 48.650 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 129 Resp: 310946
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6

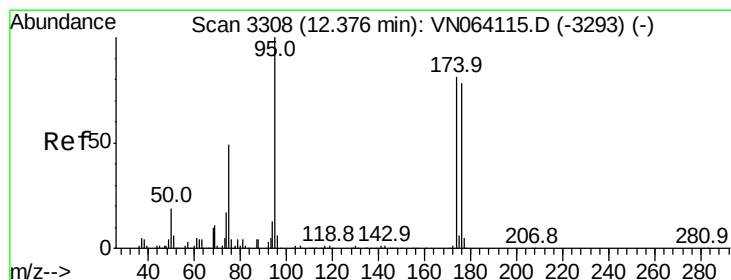
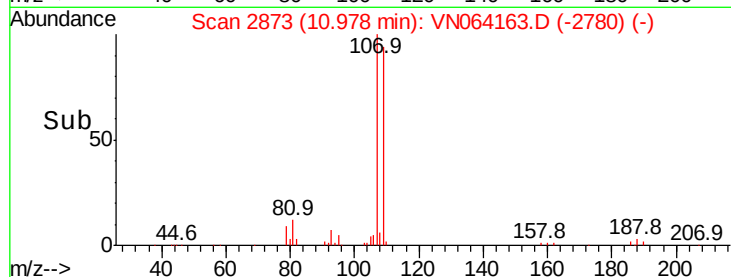
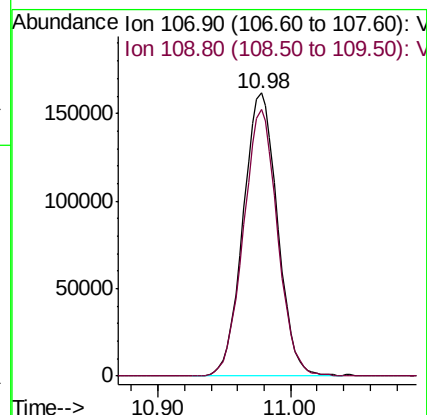
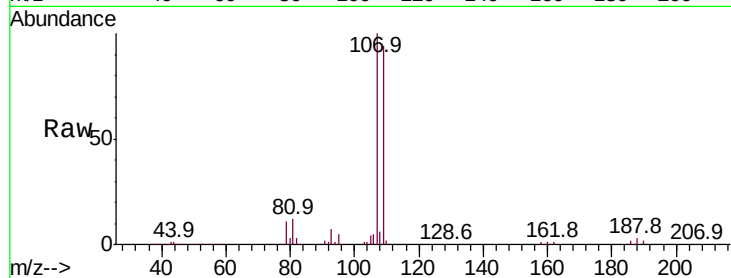




#61
1,2-Dibromoethane
Concen: 50.307 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

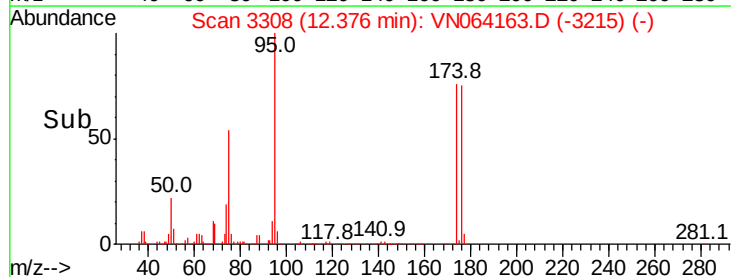
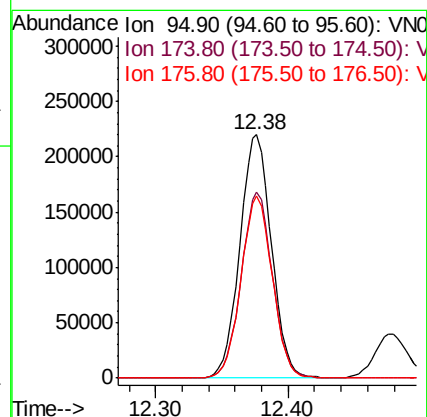
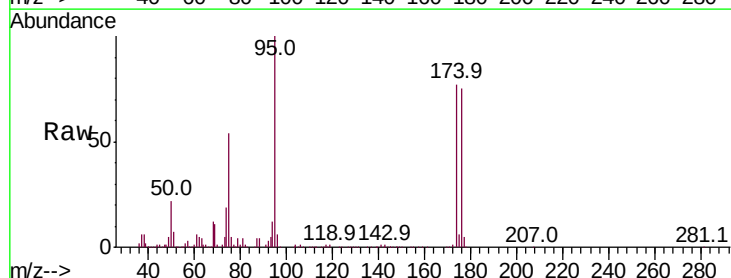
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

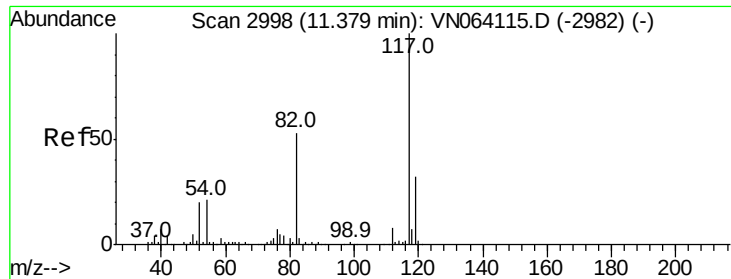
Tot Ion:107 Resp: 291347
Ion Ratio Lower Upper
107 100
109 93.3 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 52.935 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 95 Resp: 363891
Ion Ratio Lower Upper
95 100
174 75.7 0.0 164.8
176 74.1 0.0 157.8

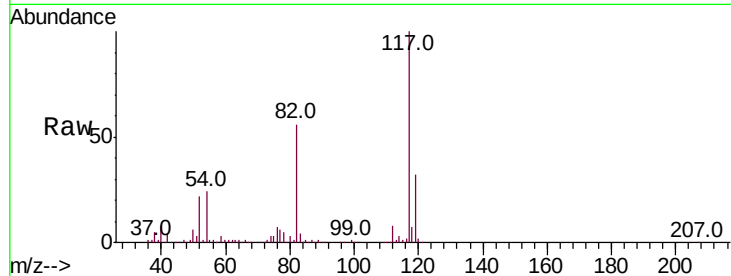




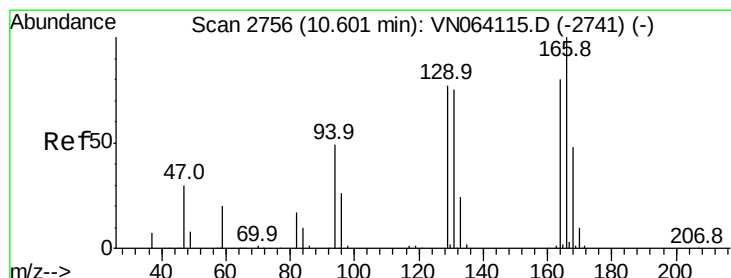
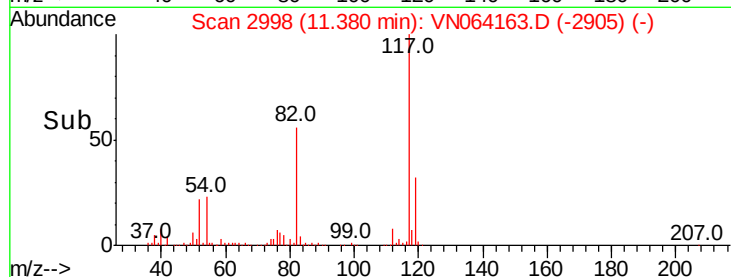
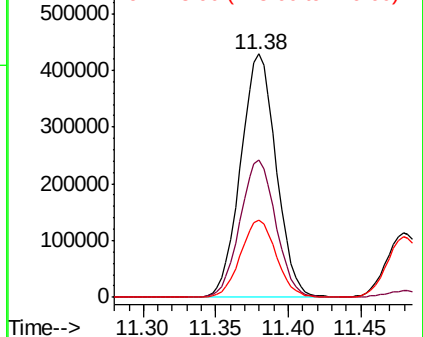
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 731422
Ion Ratio Lower Upper
117 100
82 56.2 42.6 63.8
119 31.8 25.5 38.3

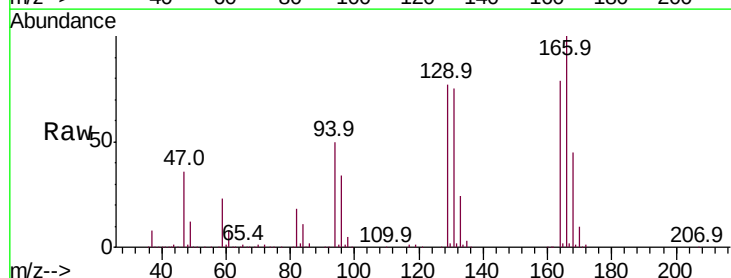


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

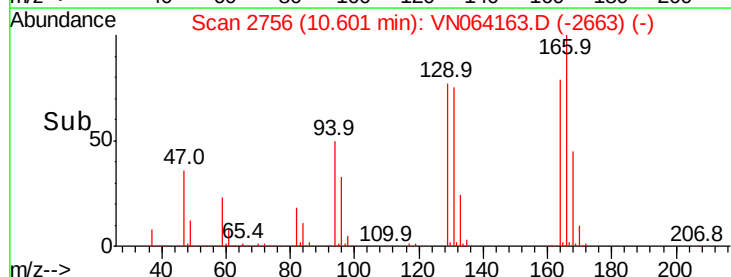
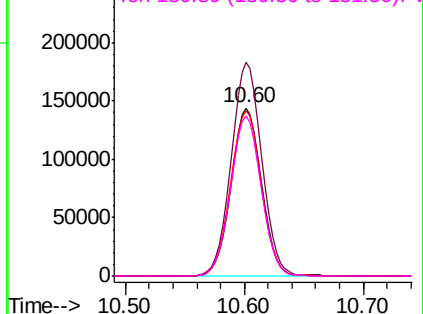


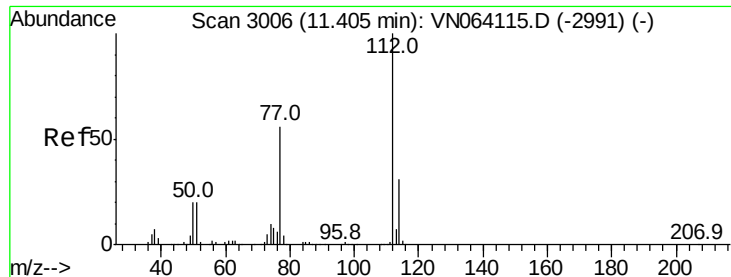
#64
Tetrachloroethene
Concen: 46.131 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:164 Resp: 254389
Ion Ratio Lower Upper
164 100
166 127.3 99.7 149.5
129 98.4 77.0 115.4
131 95.1 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

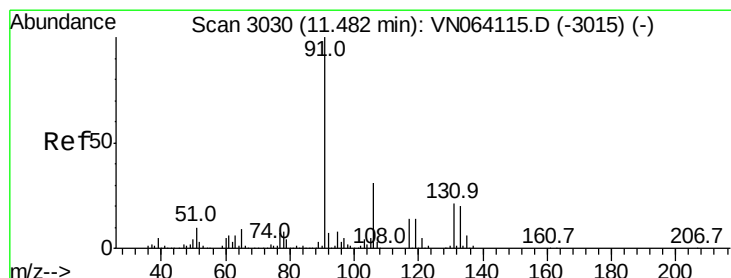
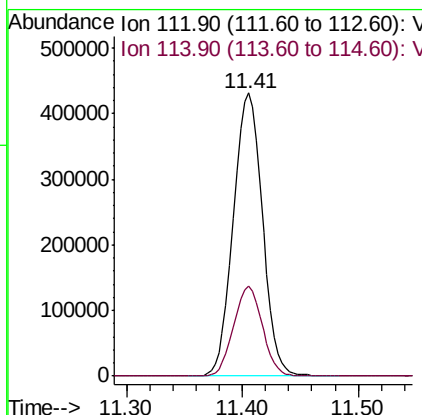
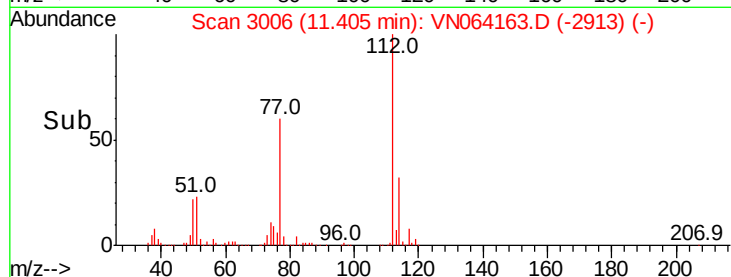
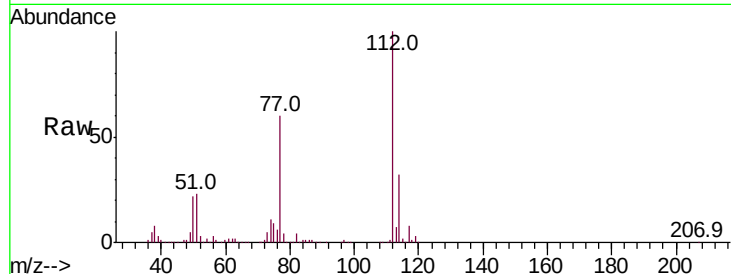




#65
Chlorobenzene
Concen: 48.630 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

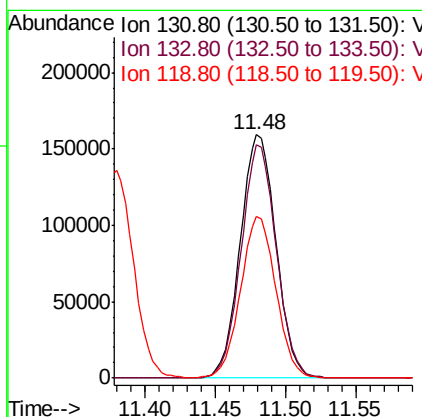
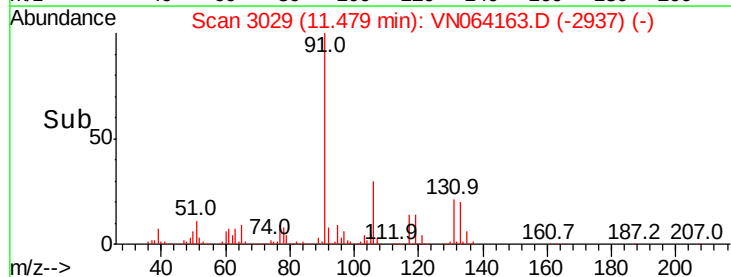
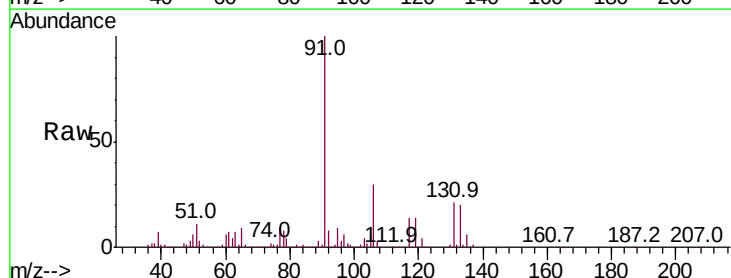
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

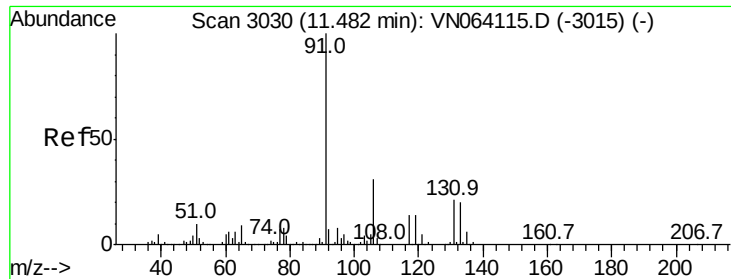
Tot Ion:112 Resp: 749024
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.406 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:131 Resp: 283068
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.5 32.8 98.4

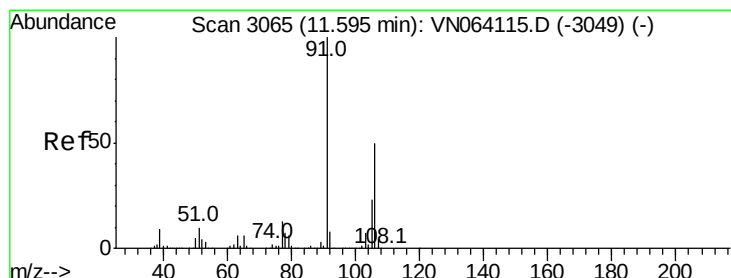
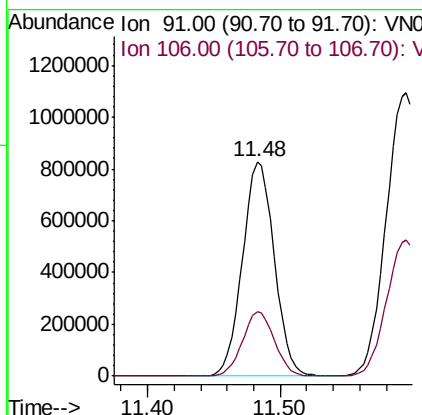
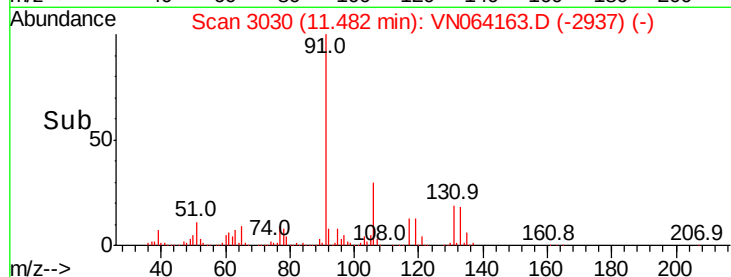
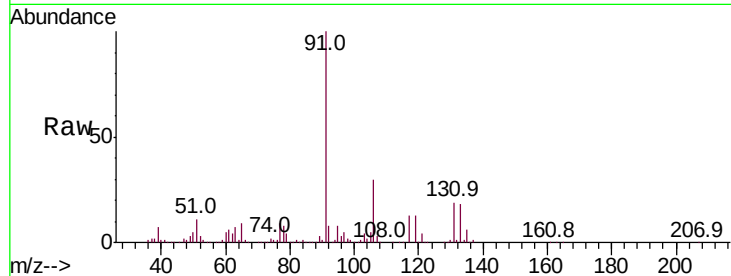




#67
Ethyl Benzene
Concen: 53.490 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

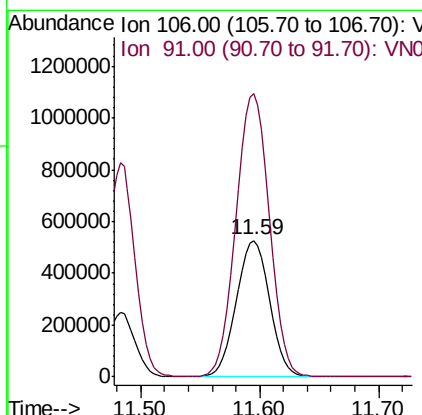
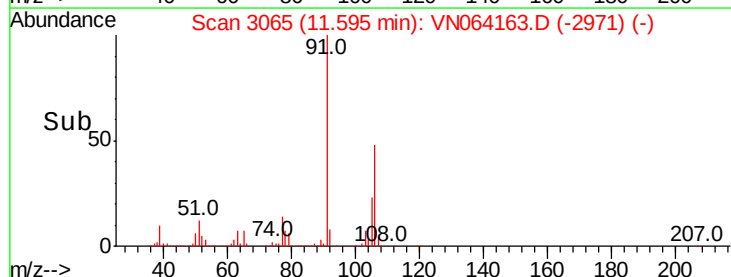
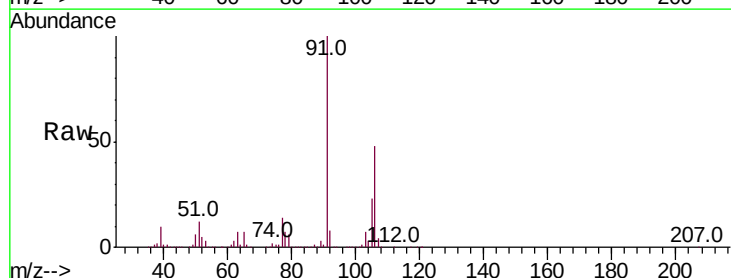
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

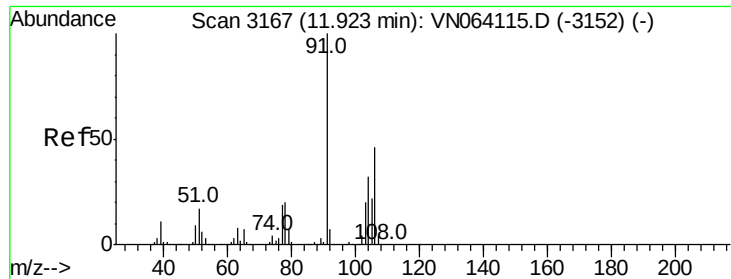
Tot Ion: 91 Resp: 1380130
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 95.758 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 106 Resp: 1017534
Ion Ratio Lower Upper
106 100
91 209.6 162.1 243.1





#69

o-Xylene

Concen: 46.771 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

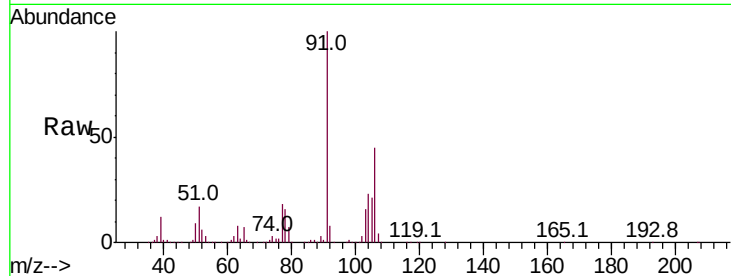
VSTDCCC050

Tot Ion:106 Resp: 474964

Ion Ratio Lower Upper

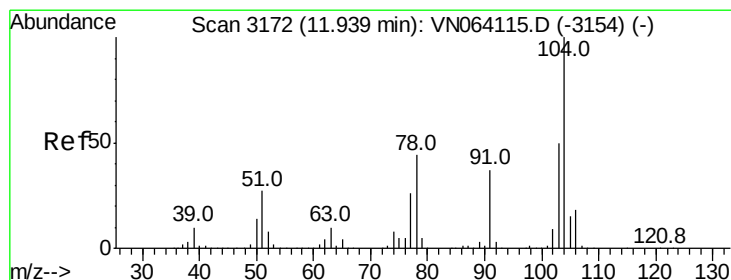
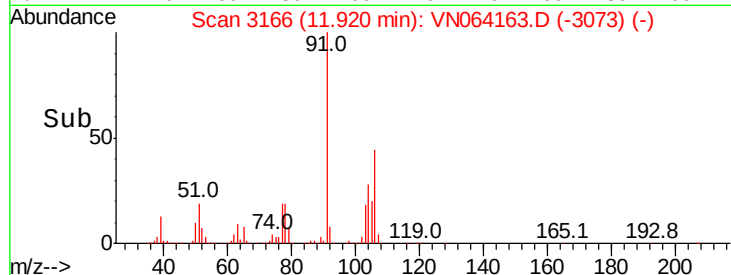
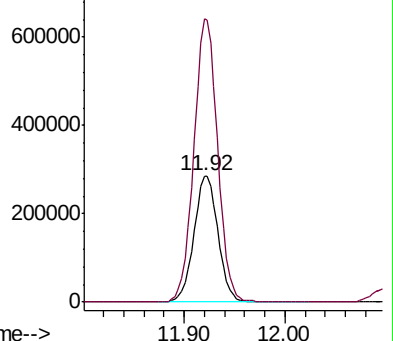
106 100

91 222.0 107.6 322.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 48.135 ug/l

RT: 11.94 min Scan# 3171

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

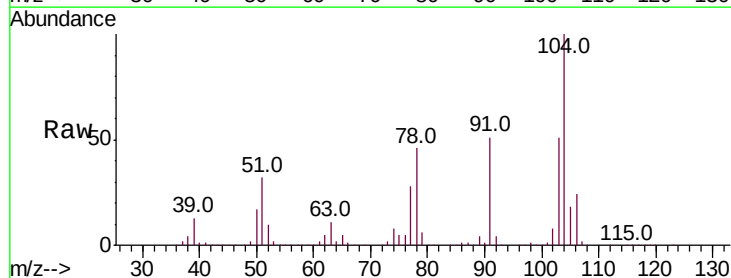
Tgt Ion:104 Resp: 843408

Ion Ratio Lower Upper

104 100

78 51.0 39.7 59.5

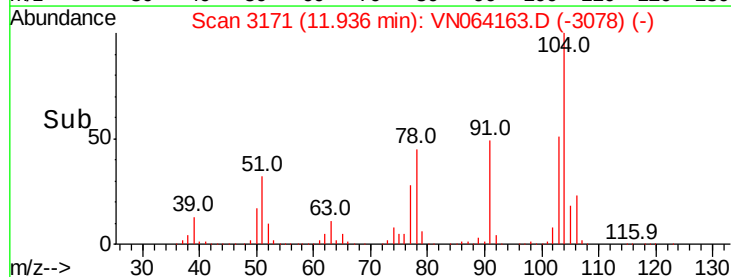
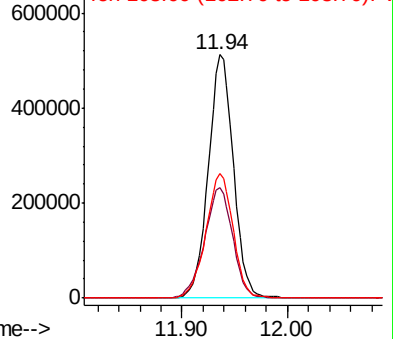
103 55.5 44.2 66.2

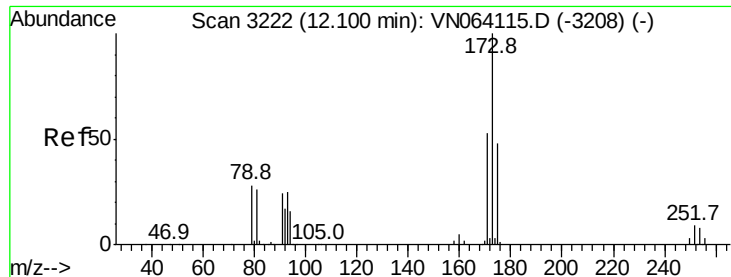


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.946 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

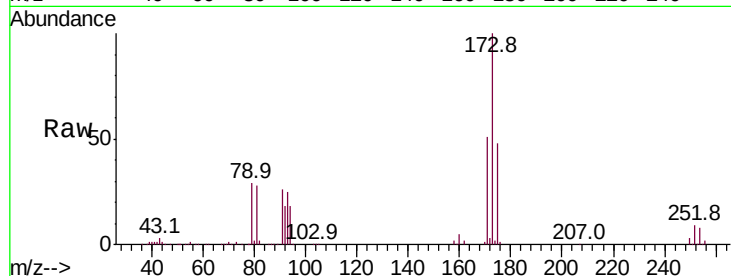
Tot Ion:173 Resp: 216596

Ion Ratio Lower Upper

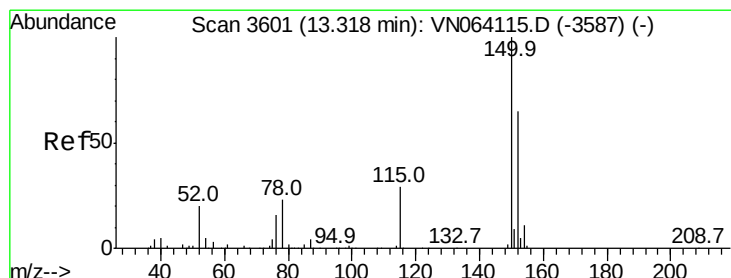
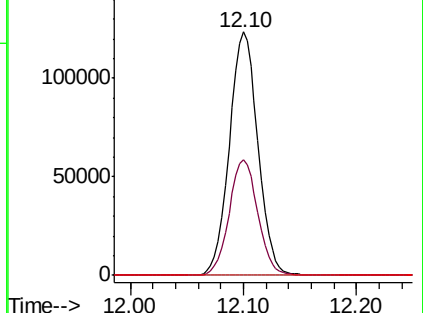
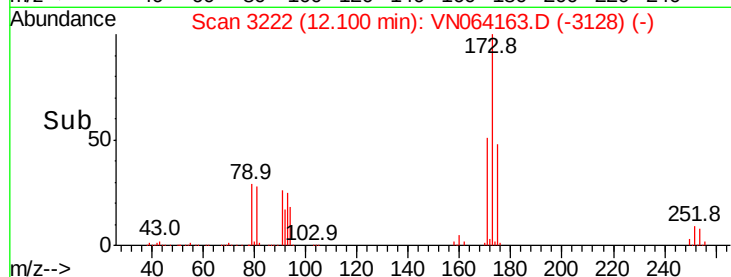
173 100

175 47.6 23.4 70.2

254 0.1 0.1 0.1#



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# 3600

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

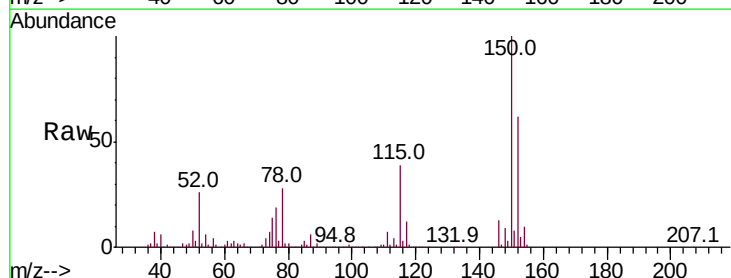
Tgt Ion:152 Resp: 350744

Ion Ratio Lower Upper

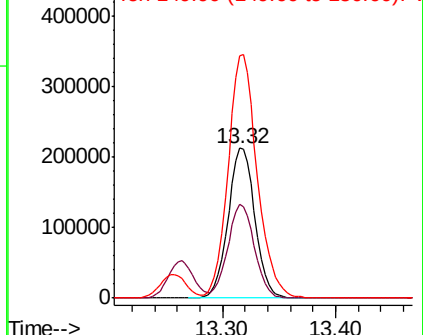
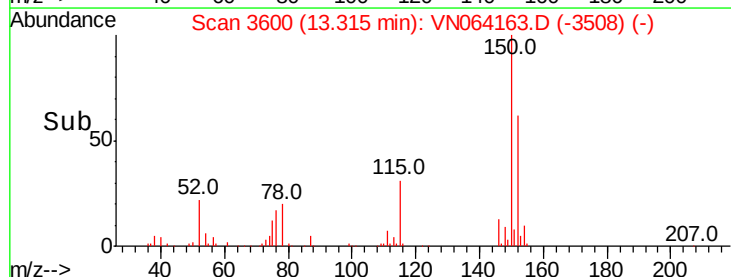
152 100

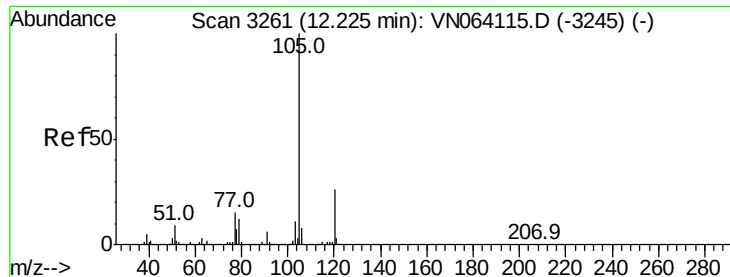
115 61.8 29.3 87.8

150 175.1 0.0 346.0



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: 49.903 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

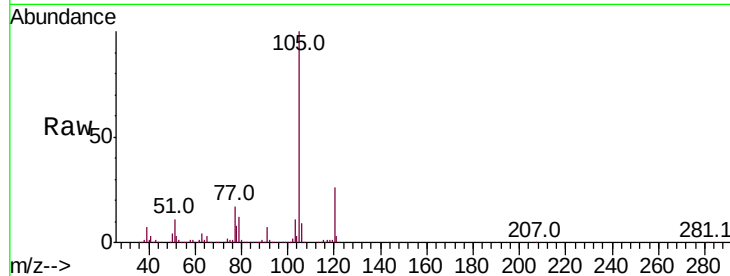
VSTDCCC050

Tot Ion:105 Resp: 1267845

Ion Ratio Lower Upper

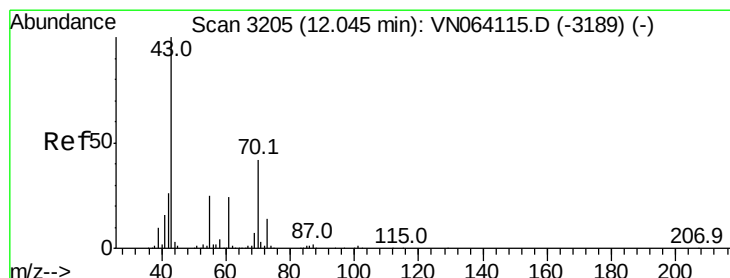
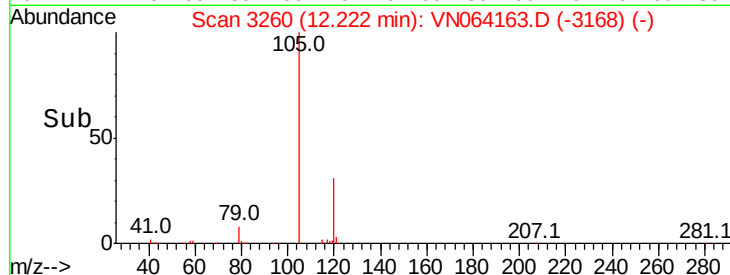
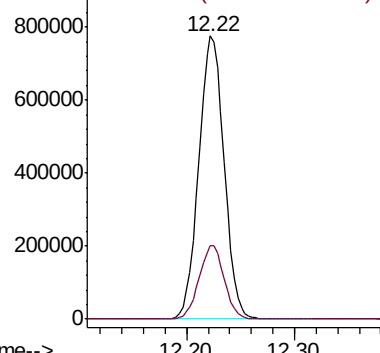
105 100

120 25.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.261 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion: 43 Resp: 573346

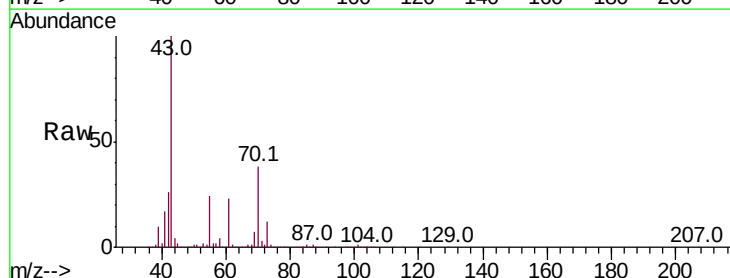
Ion Ratio Lower Upper

43 100

70 38.4 33.2 49.8

55 24.6 19.9 29.9

61 22.4 18.8 28.2

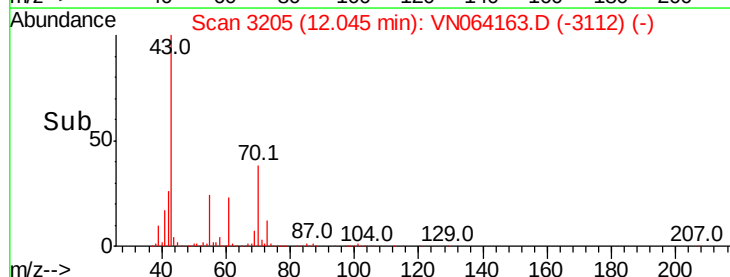
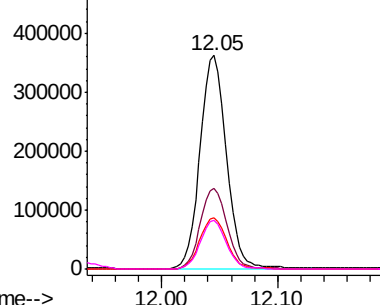


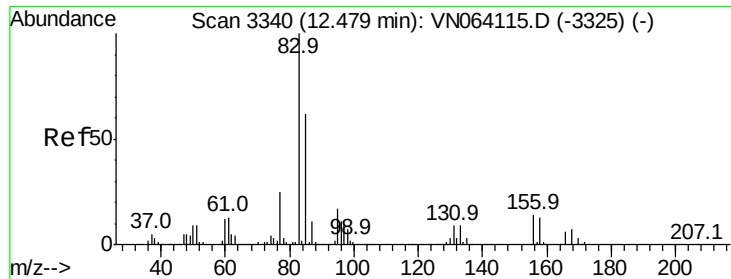
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.315 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

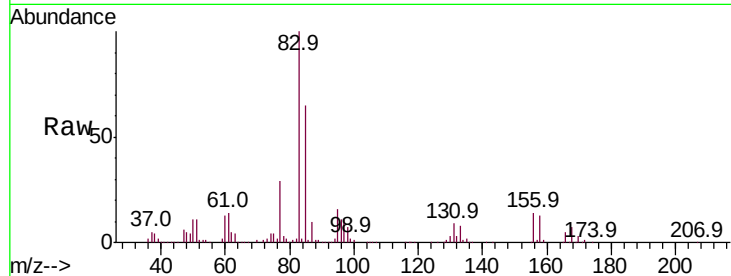
Tot Ion: 83 Resp: 422617

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

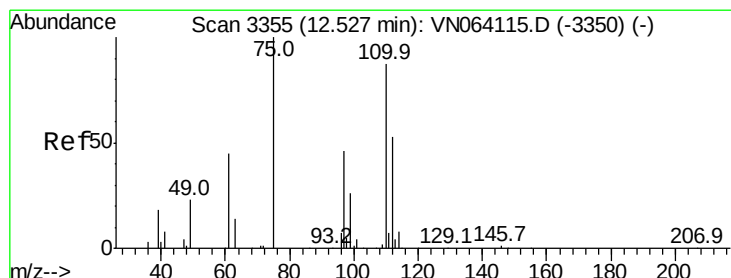
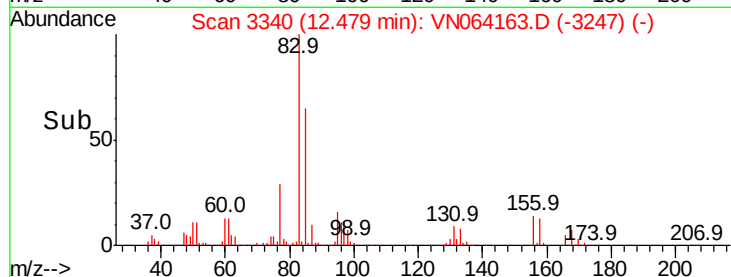
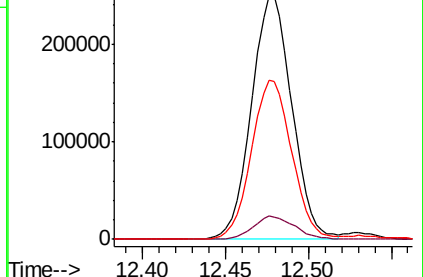
85 65.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN064115.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064115.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064115.D (-3325) (-)



#76

1,2,3-Trichloropropane

Concen: 68.462 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064163.D

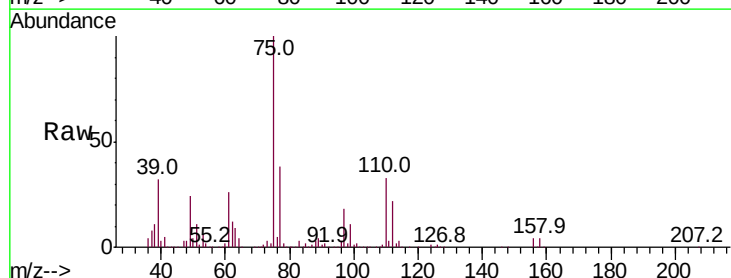
Acq: 16 Oct 2020 14:18

Tgt Ion: 75 Resp: 563352

Ion Ratio Lower Upper

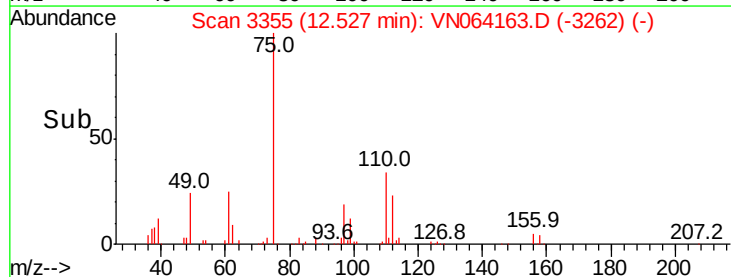
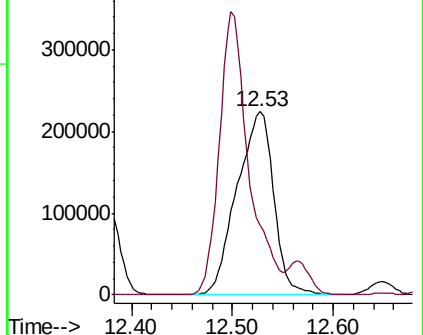
75 100

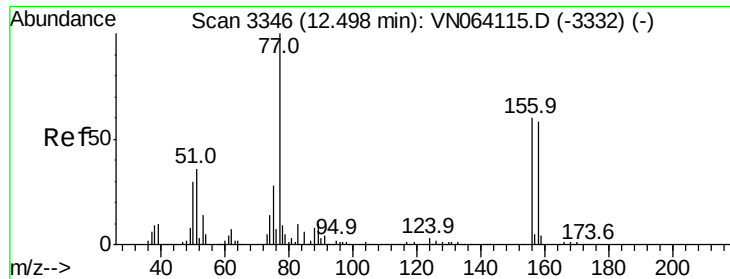
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064115.D (-3350) (-)





#77

Bromobenzene

Concen: 44.331 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

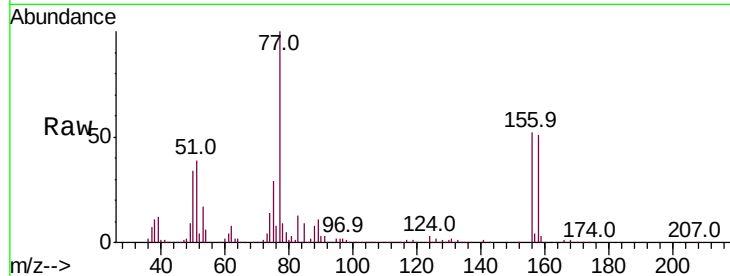
Tot Ion:156 Resp: 305762

Ion Ratio Lower Upper

156 100

77 232.2 99.3 297.9

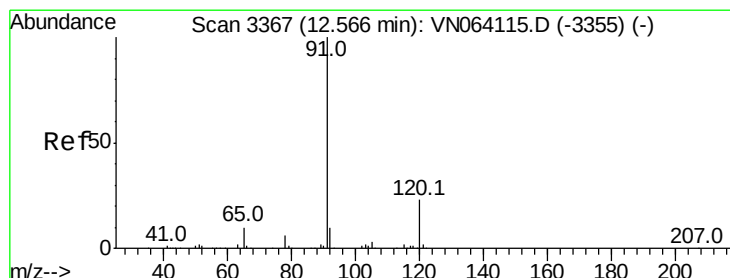
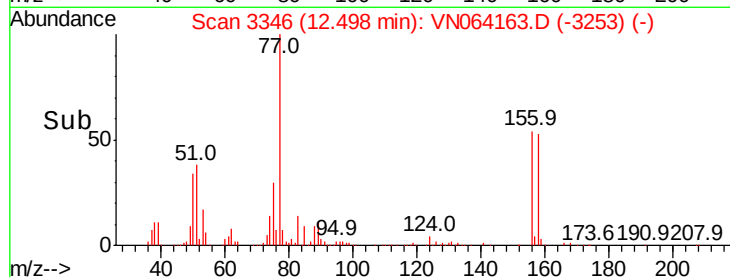
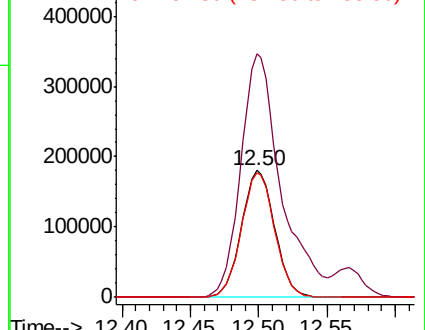
158 98.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.832 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064163.D

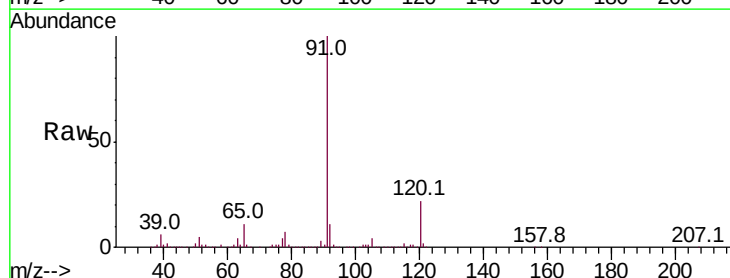
Acq: 16 Oct 2020 14:18

Tgt Ion: 91 Resp: 1526498

Ion Ratio Lower Upper

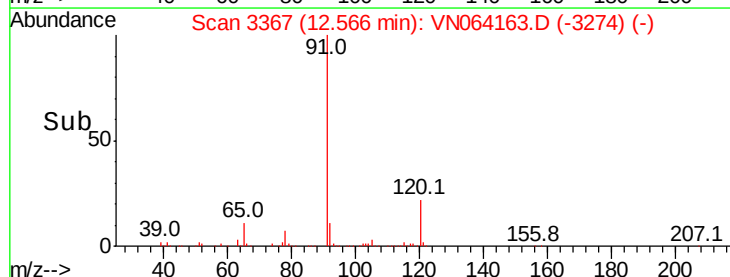
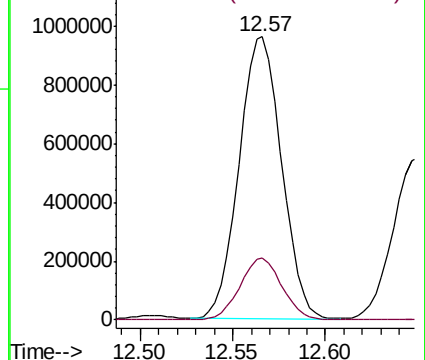
91 100

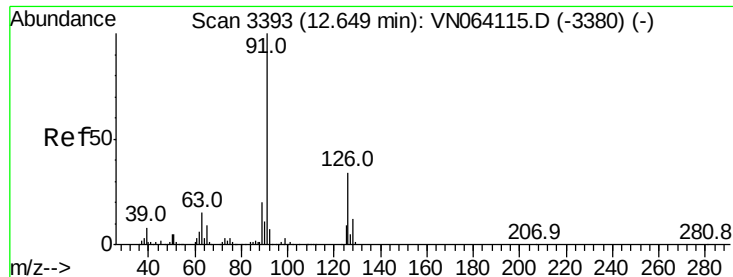
120 21.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.171 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

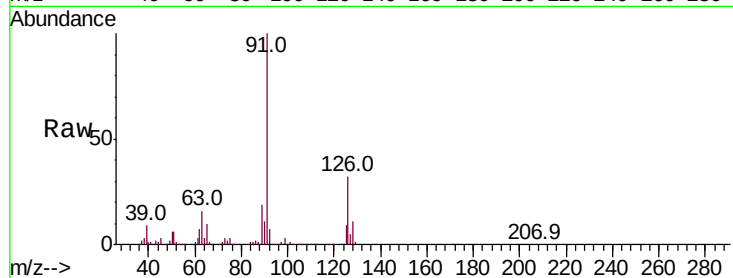
VSTDCCC050

Tot Ion: 91 Resp: 904835

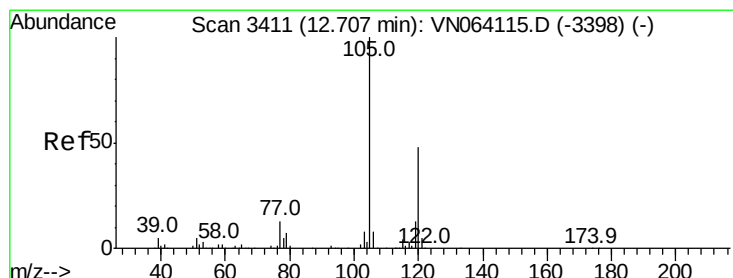
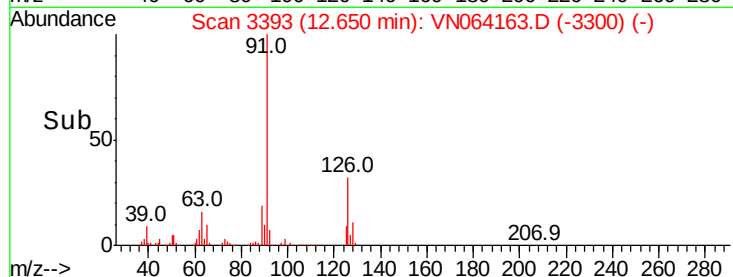
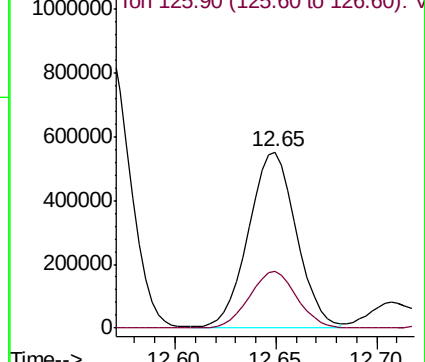
Ion Ratio Lower Upper

91 100

126 32.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN064115.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.817 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064163.D

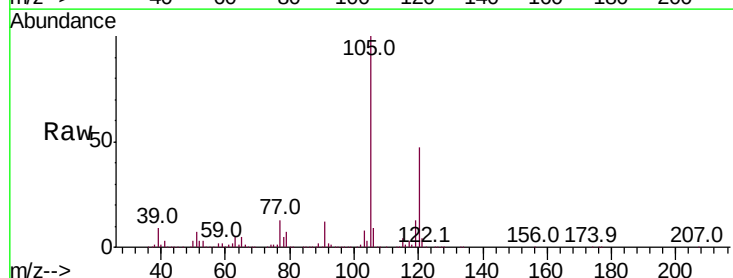
Acq: 16 Oct 2020 14:18

Tgt Ion: 105 Resp: 1077074

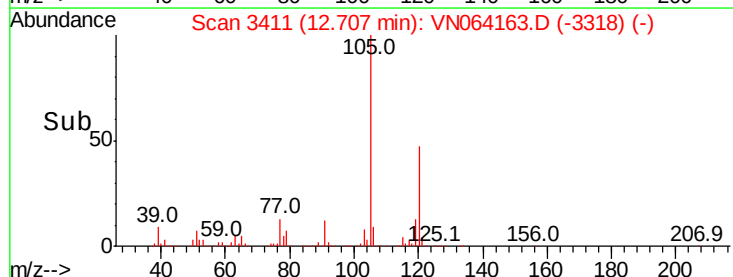
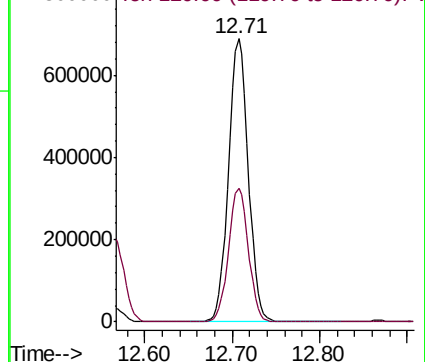
Ion Ratio Lower Upper

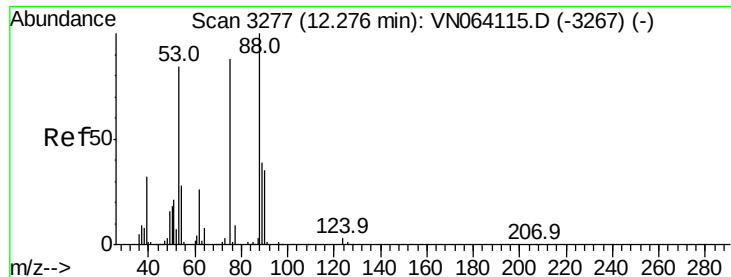
105 100

120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064115.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.439 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

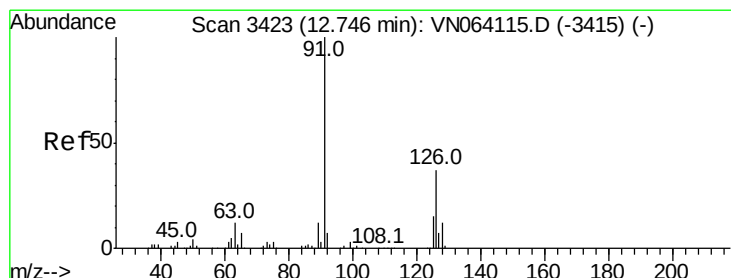
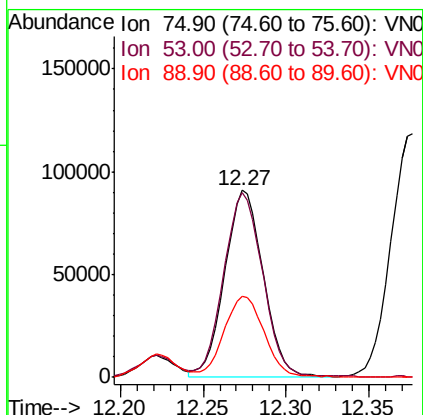
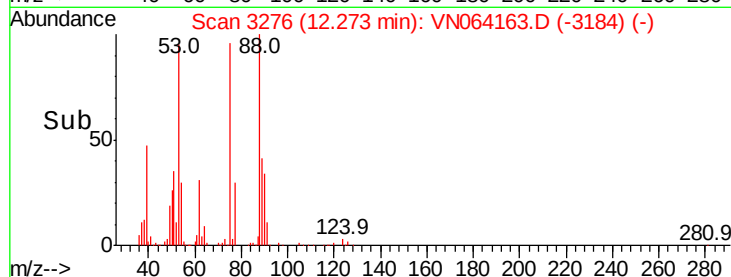
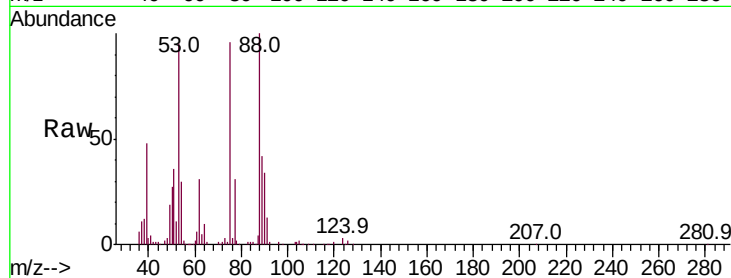
Tot Ion: 75 Resp: 146623

Ion Ratio Lower Upper

75 100

53 99.3 75.7 113.5

89 45.0 36.6 55.0



#82

4-Chlorotoluene

Concen: 52.332 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064163.D

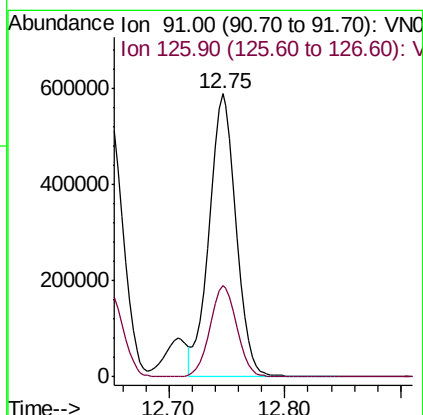
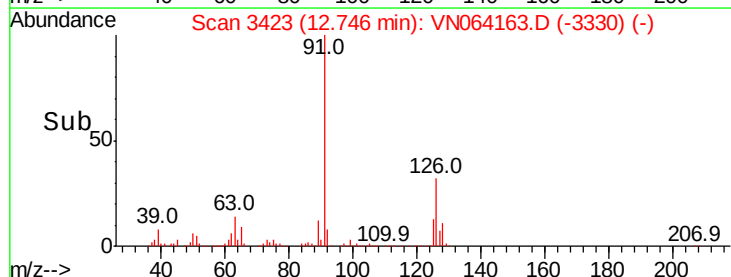
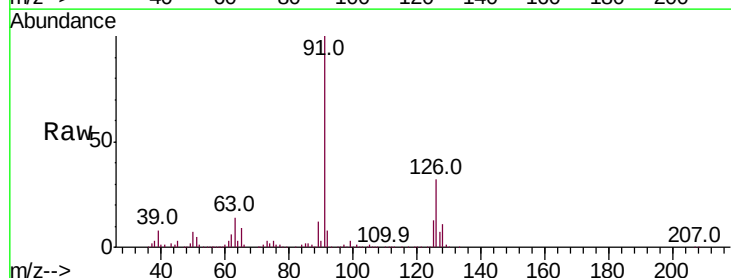
Acq: 16 Oct 2020 14:18

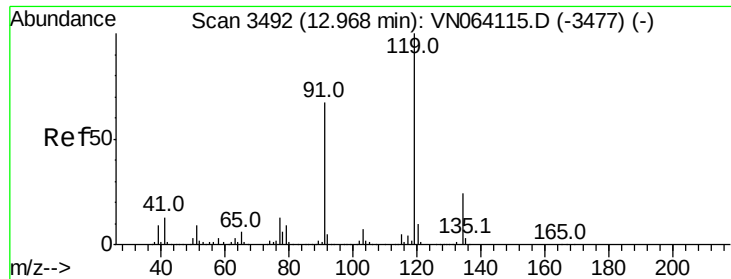
Tgt Ion: 91 Resp: 951213

Ion Ratio Lower Upper

91 100

126 32.6 17.1 51.2

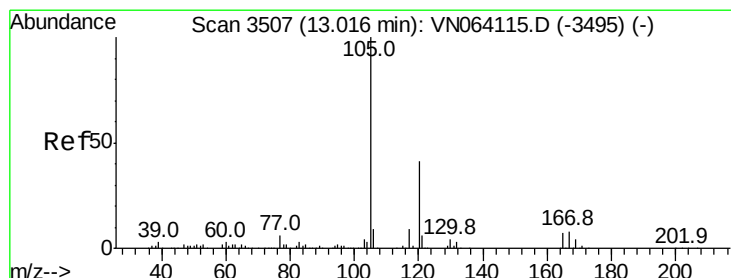
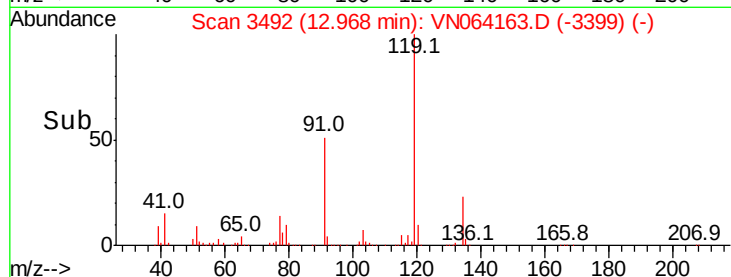
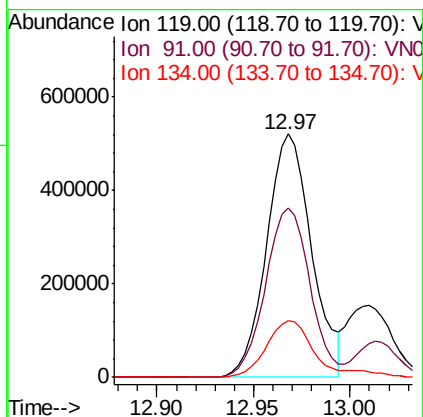
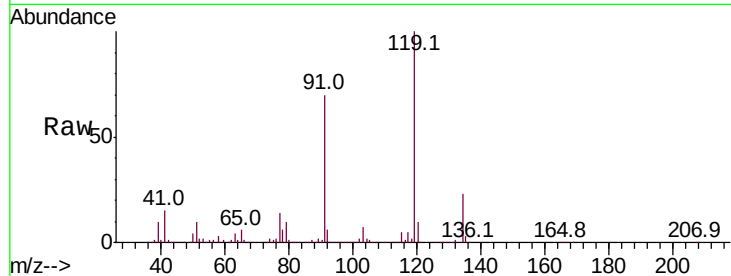




#83
 tert-Butylbenzene
 Concen: 49.996 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

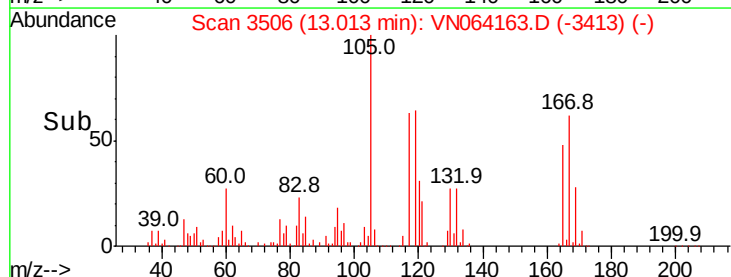
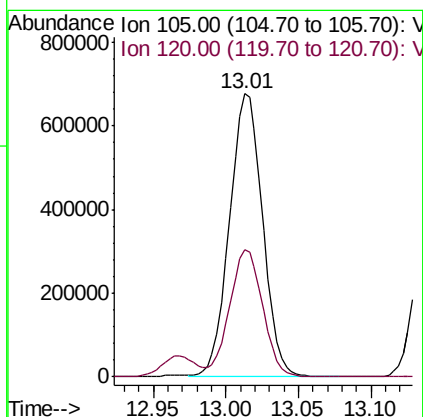
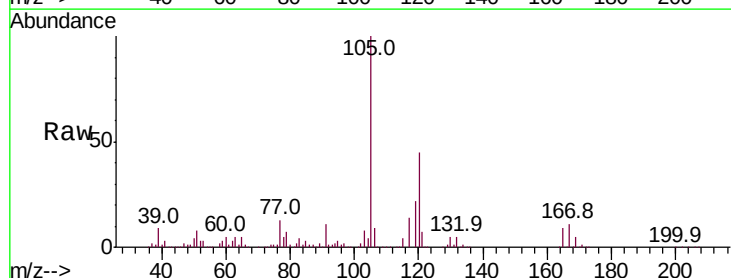
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

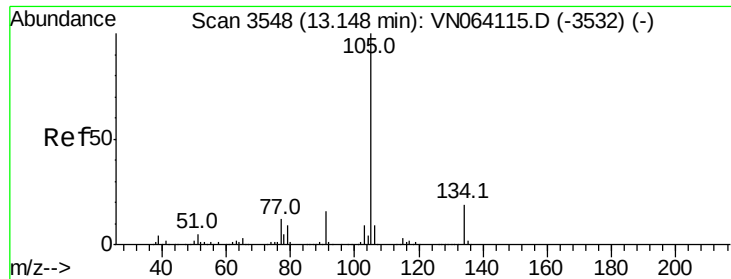
Tot Ion:119 Resp: 843189
 Ion Ratio Lower Upper
 119 100
 91 69.1 32.6 98.0
 134 23.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.072 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion:105 Resp: 1064282
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 52.539 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

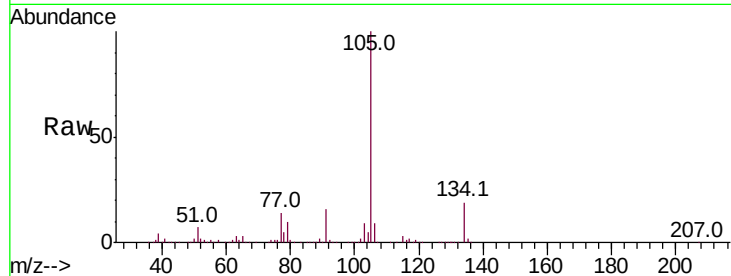
VSTDCCC050

Tot Ion:105 Resp: 1139069

Ion Ratio Lower Upper

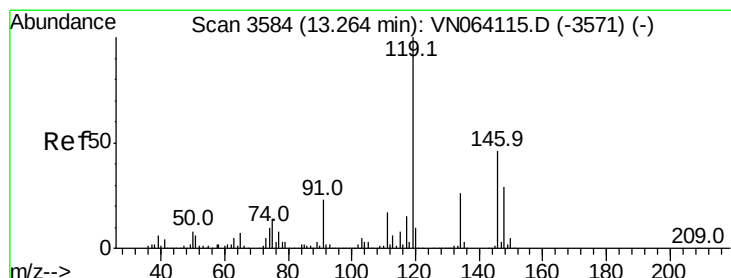
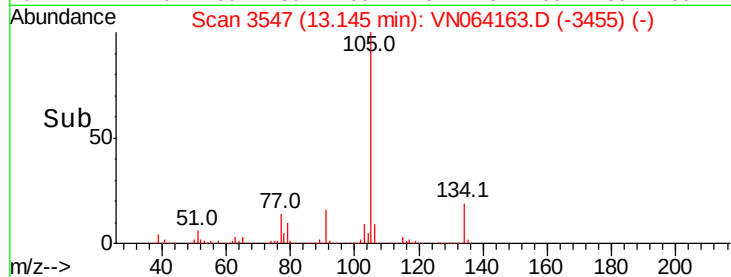
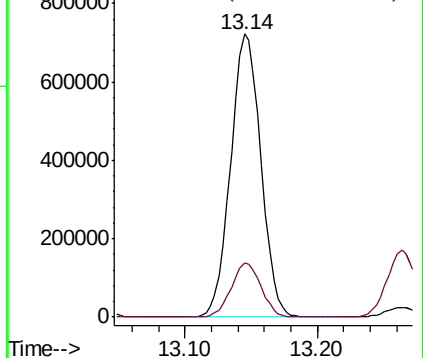
105 100

134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.047 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

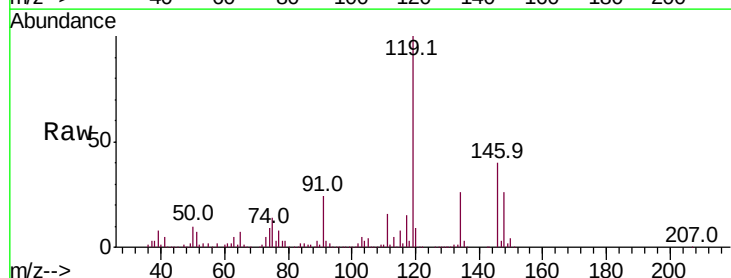
Tgt Ion:119 Resp: 1026302

Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

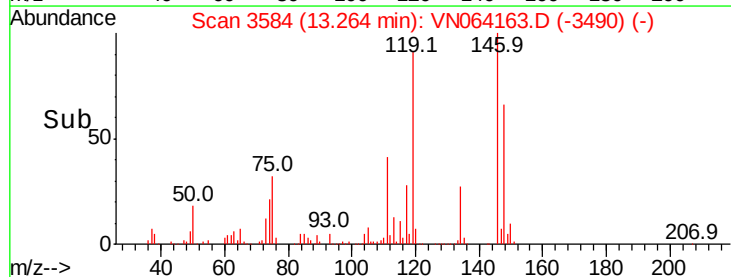
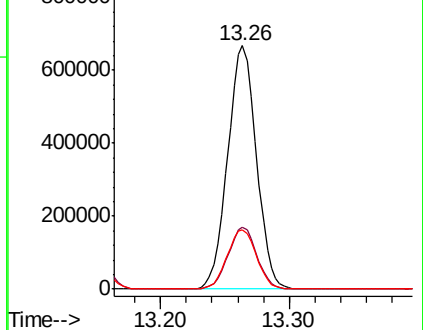
91 24.8 12.0 36.1

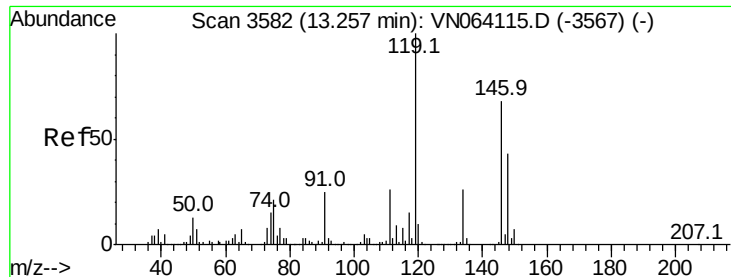


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.462 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

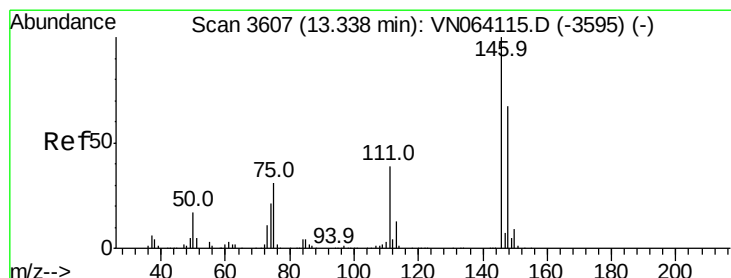
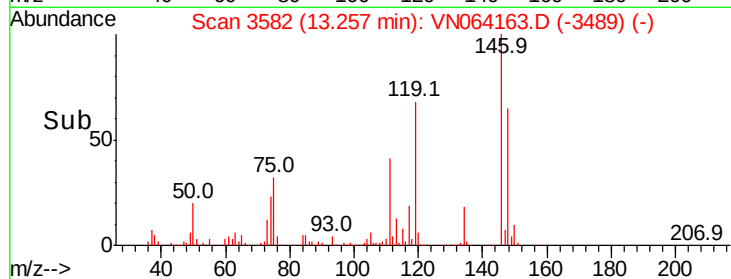
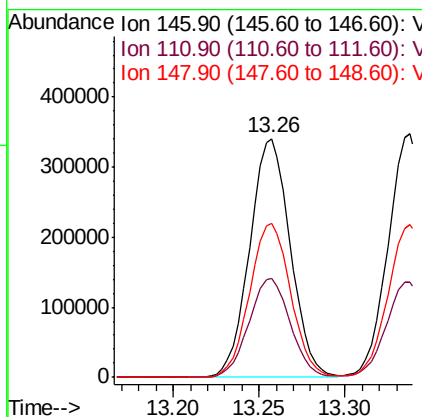
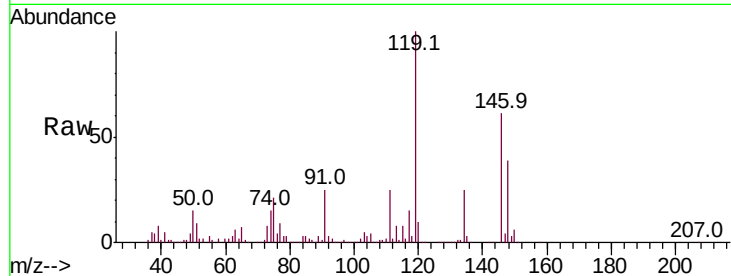
Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 556921

Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.7	59.1
148	65.3	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 47.727 ug/l

RT: 13.34 min Scan# 3607

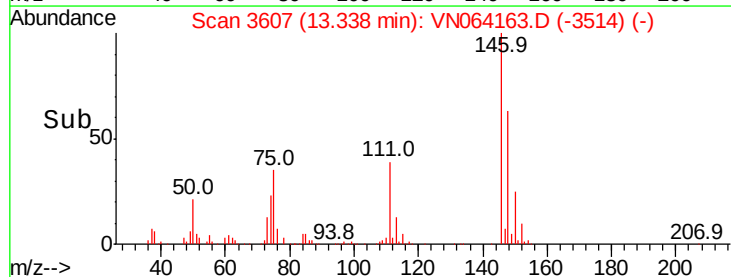
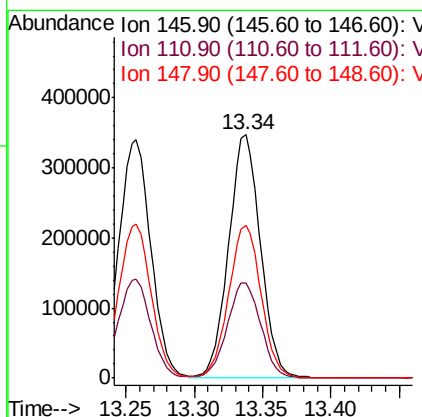
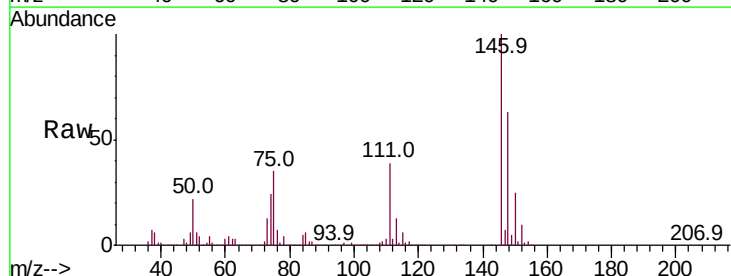
Delta R.T. 0.00 min

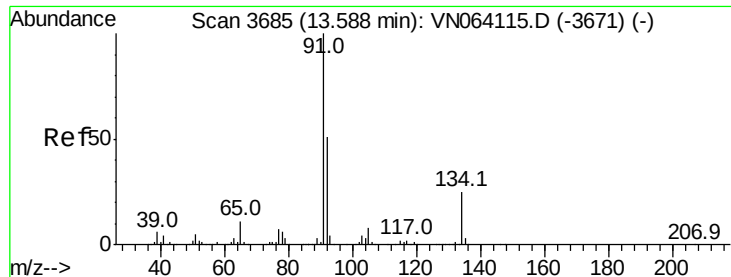
Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion:146 Resp: 560981

Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.3	57.9
148	64.2	32.1	96.5





#89

n-Butylbenzene

Concen: 55.048 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

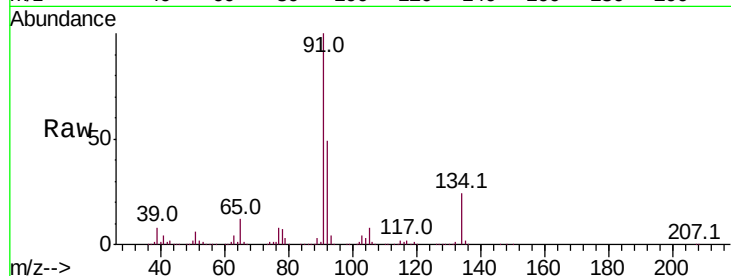
Tot Ion: 91 Resp: 869657

Ion Ratio Lower Upper

91 100

92 49.9 25.6 76.6

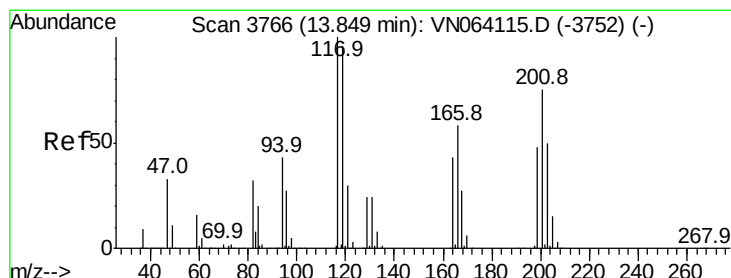
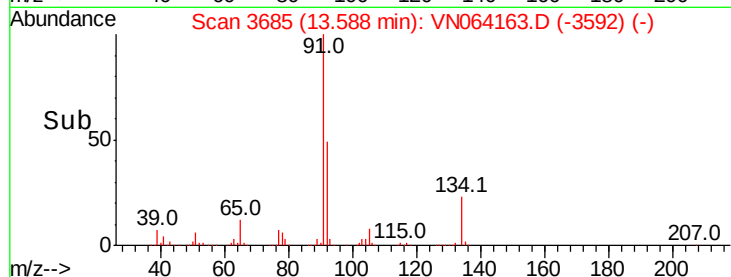
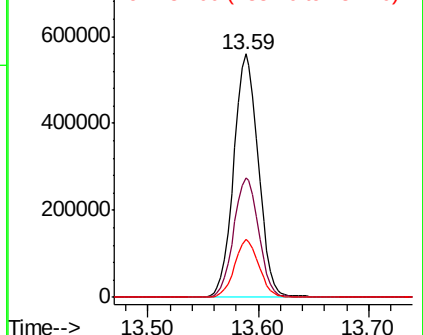
134 23.3 12.6 37.8



Abundance Ion 91.00 (90.70 to 91.70): VN064115.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN064115.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN064115.D (-3671) (-)



#90

Hexachloroethane

Concen: 49.995 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064163.D

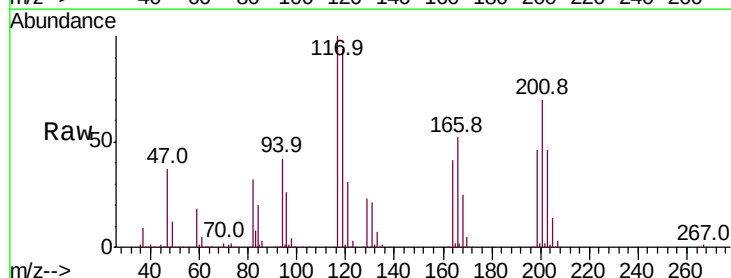
Acq: 16 Oct 2020 14:18

Tgt Ion: 117 Resp: 180392

Ion Ratio Lower Upper

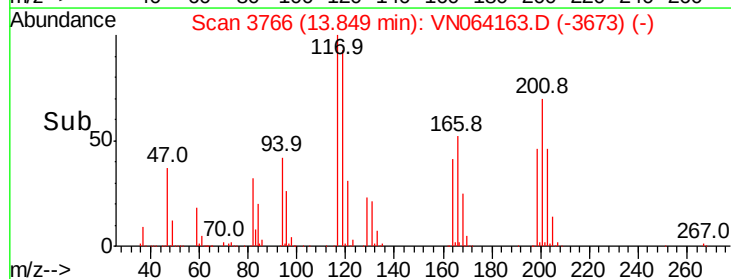
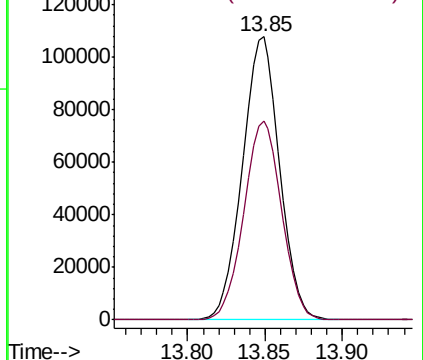
117 100

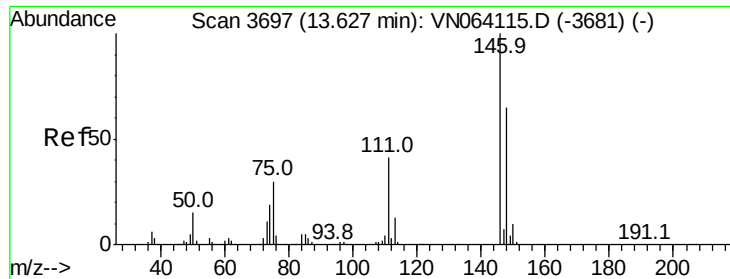
201 71.3 37.4 112.2



Abundance Ion 116.80 (116.50 to 117.50): VN064115.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN064115.D (-3752) (-)

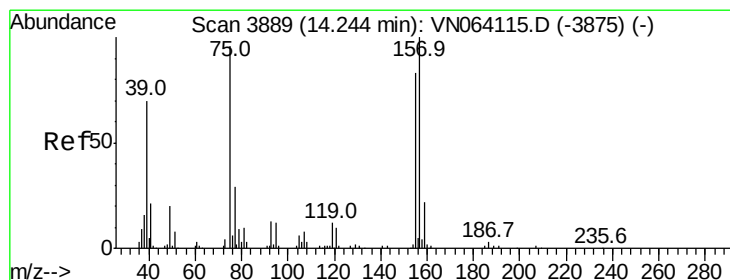
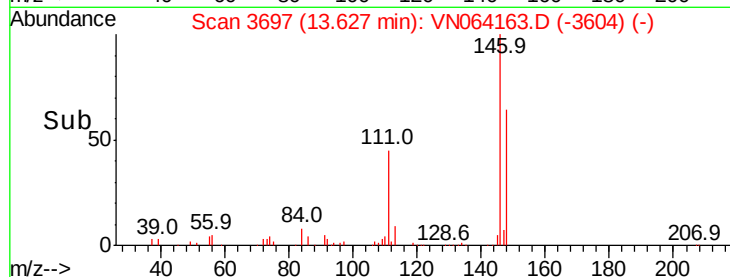
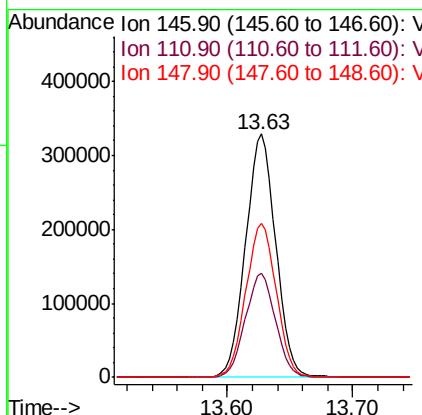
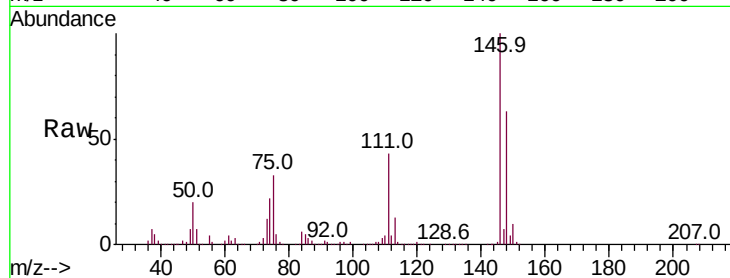




#91
 1,2-Dichlorobenzene
 Concen: 48.159 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

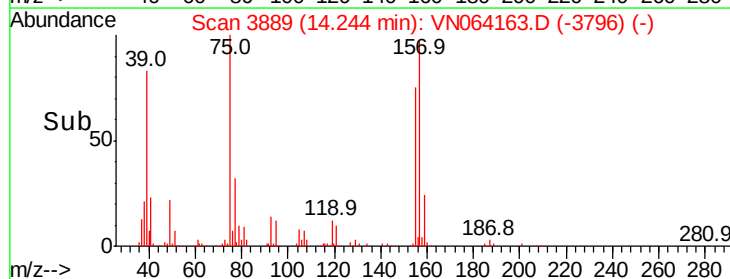
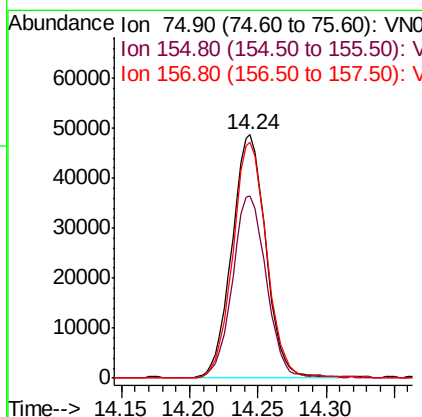
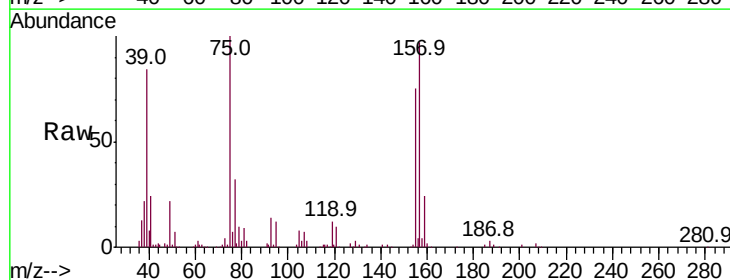
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

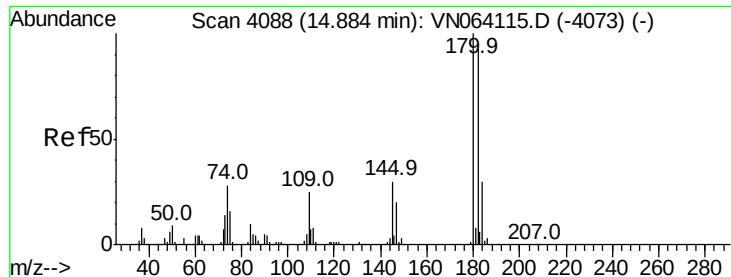
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	60.8
148	63.9	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.430 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	40.8	122.2
157	96.7	53.9	161.7





#93

1,2,4-Trichlorobenzene

Concen: 43.625 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

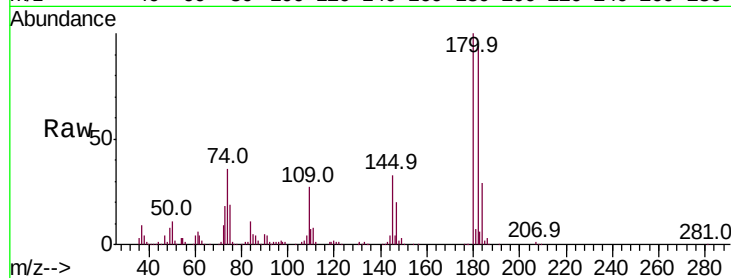
Tot Ion:180 Resp: 242589

Ion Ratio Lower Upper

180 100

182 96.2 45.8 137.4

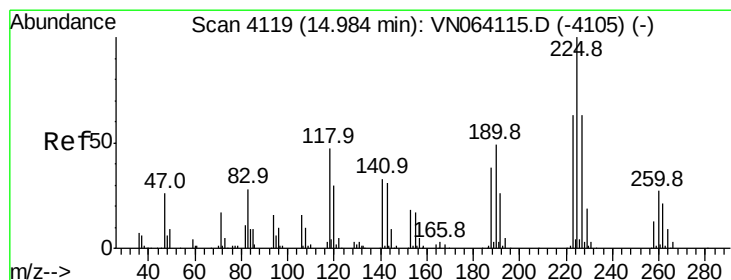
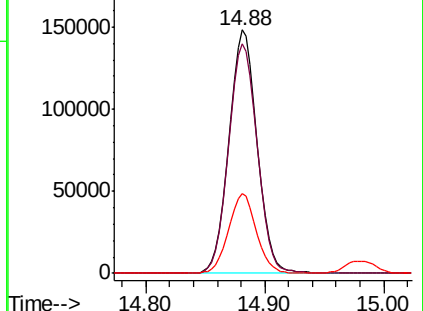
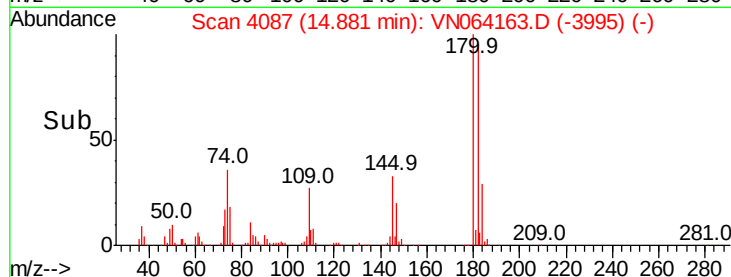
145 32.5 15.4 46.1



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: 50.925 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

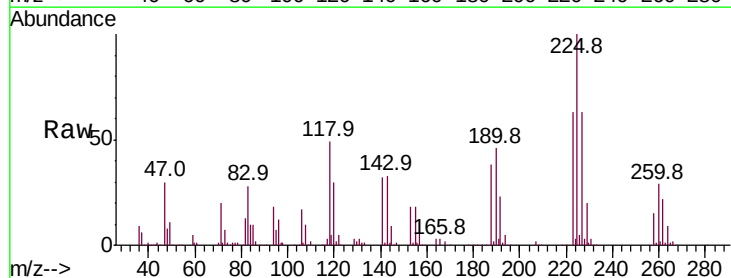
Tgt Ion:225 Resp: 138761

Ion Ratio Lower Upper

225 100

223 61.9 32.3 96.9

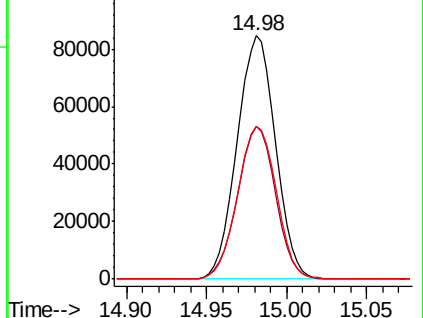
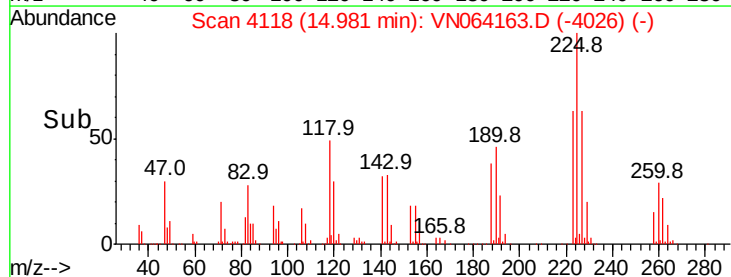
227 63.4 31.6 94.8

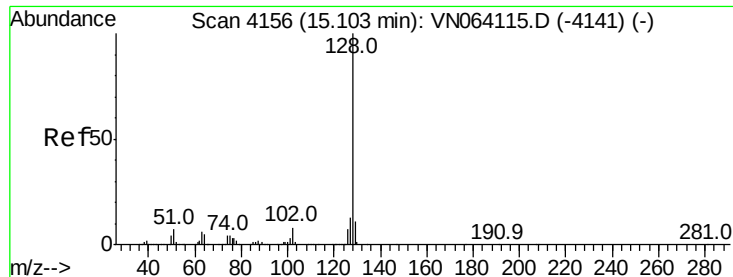


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

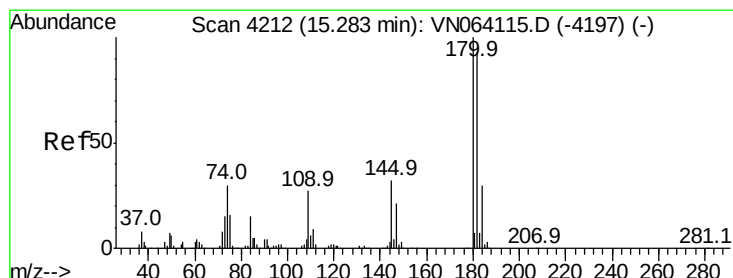
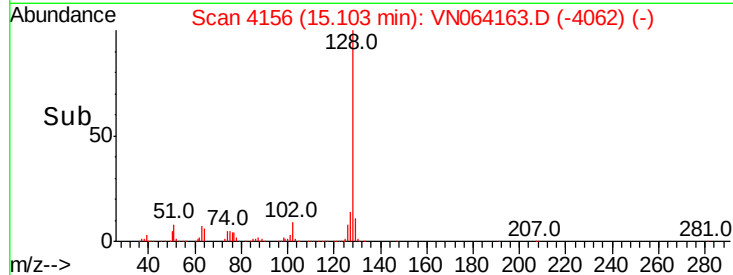
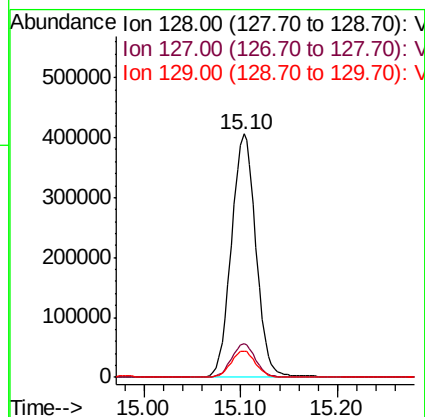
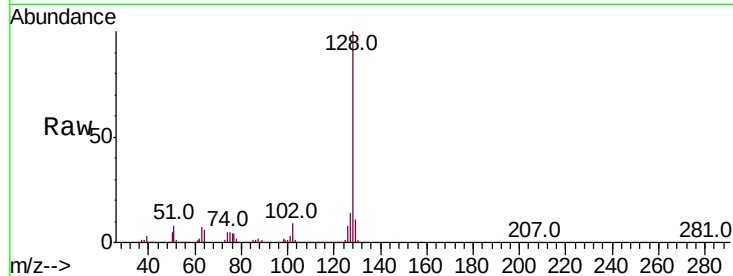




#95
Naphthalene
Concen: 42.347 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 716197
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 44.754 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:180 Resp: 248784
Ion Ratio Lower Upper
180 100
182 95.7 46.6 139.8
145 33.1 16.1 48.2

