

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064240.D
 Acq On : 22 Oct 2020 1:54
 Operator : JC/MD
 Sample : VN1021WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

Quant Time: Oct 22 02:42:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	272169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	408493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	205478	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.55	113	146016	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	10.06	98	530634	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	212909	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	65632	20.214	ug/l	90
3) Chloromethane	2.04	50	65132	20.705	ug/l	99
4) Vinyl Chloride	2.16	62	63867	20.479	ug/l	94
5) Bromomethane	2.54	94	39595	19.478	ug/l	98
6) Chloroethane	2.68	64	36944	19.459	ug/l	96
7) Trichlorofluoromethane	2.99	101	106869	20.838	ug/l	95
8) Diethyl Ether	3.38	74	35302	20.808	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53108	20.025	ug/l	97
10) Methyl Iodide	3.91	142	69621	18.461	ug/l	98
11) Tert butyl alcohol	4.72	59	49428	91.355	ug/l #	90
12) 1,1-Dichloroethene	3.69	96	48766	19.118	ug/l	96
13) Acrolein	3.56	56	21894	64.463	ug/l	98
14) Allyl chloride	4.27	41	98258	19.246	ug/l	97
15) Acrylonitrile	4.93	53	104769	93.644	ug/l	98
16) Acetone	3.77	43	108555	93.866	ug/l	98
17) Carbon Disulfide	4.01	76	146194	20.092	ug/l	98
18) Methyl Acetate	4.27	43	54907	18.632	ug/l #	78
19) Methyl tert-butyl Ether	4.99	73	172335	19.651	ug/l	96
20) Methylene Chloride	4.50	84	58371	18.928	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	55412	19.700	ug/l	95
22) Diisopropyl ether	5.90	45	181901	19.166	ug/l	99
23) Vinyl Acetate	5.84	43	813187	96.078	ug/l	100
24) 1,1-Dichloroethane	5.79	63	111258	20.236	ug/l	97
25) 2-Butanone	6.78	43	165372	90.003	ug/l	100
26) 2,2-Dichloropropane	6.77	77	88686	16.203	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	64848	19.797	ug/l	96
28) Bromochloromethane	7.14	49	50327	19.268	ug/l	96
29) Tetrahydrofuran	7.16	42	102263	93.044	ug/l	99
30) Chloroform	7.32	83	117866	20.098	ug/l	98
31) Cyclohexane	7.61	56	89218	18.620	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	109795	19.985	ug/l #	84
36) 1,1-Dichloropropene	7.75	75	84922	18.874	ug/l	99
37) Ethyl Acetate	6.88	43	76180	18.648	ug/l	98
38) Carbon Tetrachloride	7.73	117	99584	19.453	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	74779	18.278	ug/l	98
40) Benzene	8.00	78	232358	18.708	ug/l	98
41) Methacrylonitrile	7.12	41	34712	16.199	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	103160	19.389	ug/l	98
43) Isopropyl Acetate	8.12	43	140956	18.514	ug/l	98
44) Trichloroethene	8.80	130	65972	19.492	ug/l	94
45) 1,2-Dichloropropane	9.08	63	63585	19.177	ug/l	98
46) Dibromomethane	9.17	93	44181	19.844	ug/l	98
47) Bromodichloromethane	9.37	83	94823	19.278	ug/l	99
48) Methyl methacrylate	9.16	41	68112	17.126	ug/l	98
49) 1,4-Dioxane	9.16	88	15683	337.026	ug/l #	92
51) 4-Methyl-2-Pentanone	9.95	43	375032	92.169	ug/l	99
52) Toluene	10.12	92	153081	19.262	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	100574	18.406	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	104744	18.206	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	58526	19.499	ug/l	99
56) Ethyl methacrylate	10.40	69	87870	18.933	ug/l	97
57) 1,3-Dichloropropane	10.68	76	102500	19.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	221195	92.557	ug/l	100
59) 2-Hexanone	10.72	43	265464	89.334	ug/l	98
60) Dibromochloromethane	10.87	129	71699	18.453	ug/l	99
61) 1,2-Dibromoethane	10.97	107	60235	19.018	ug/l	99
64) Tetrachloroethene	10.60	164	63732	19.380	ug/l	98
65) Chlorobenzene	11.41	112	164077	19.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	65013	19.370	ug/l	98
67) Ethyl Benzene	11.48	91	297057	19.116	ug/l	98
68) m/p-Xylenes	11.59	106	217840	37.836	ug/l	98
69) o-Xylene	11.92	106	105104	18.876	ug/l	97
70) Styrene	11.94	104	178059	19.077	ug/l	99
71) Bromoform	12.10	173	46057	17.764	ug/l #	99
73) Isopropylbenzene	12.22	105	289445	19.557	ug/l	99
74) N-amyl acetate	12.04	43	120142	18.787	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	73798	18.790	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	108394	26.497	ug/l #	100
77) Bromobenzene	12.50	156	67730	19.385	ug/l	98
78) n-propylbenzene	12.56	91	312101	18.703	ug/l	98
79) 2-Chlorotoluene	12.65	91	199587	19.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	236776	18.924	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25759	15.897	ug/l	97
82) 4-Chlorotoluene	12.75	91	210565	19.695	ug/l	99
83) tert-Butylbenzene	12.97	119	190850	18.604	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	238297	19.135	ug/l	99
85) sec-Butylbenzene	13.14	105	250726	19.387	ug/l	99
86) p-Isopropyltoluene	13.26	119	226622	19.243	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	118349	19.036	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	120996	19.015	ug/l	98
89) n-Butylbenzene	13.59	91	191129	18.105	ug/l	98
90) Hexachloroethane	13.85	117	39570	18.553	ug/l	96
91) 1,2-Dichlorobenzene	13.62	146	115615	18.956	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17596	17.959	ug/l	98

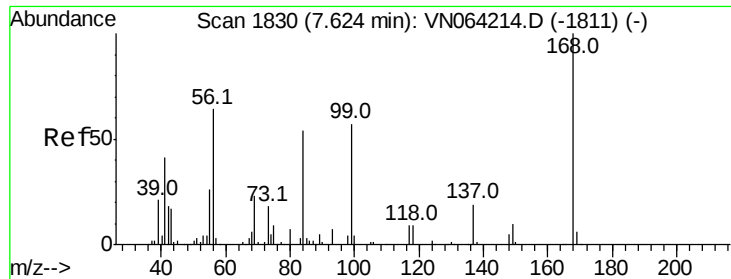
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65794	19.234	ug/l	99
94) Hexachlorobutadiene	14.98	225	31490	17.068	ug/l	98
95) Naphthalene	15.10	128	194105	18.948	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	61973	18.292	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

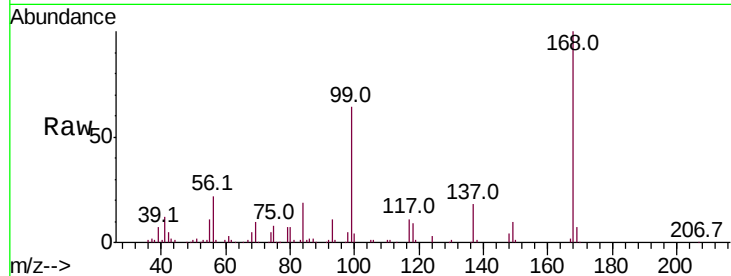
VN1021WBSD02

Tot Ion:168 Resp: 272169

Ion Ratio Lower Upper

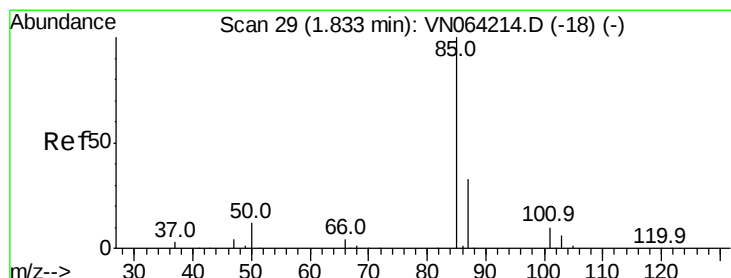
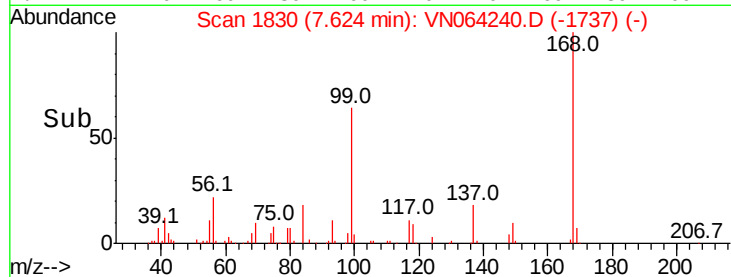
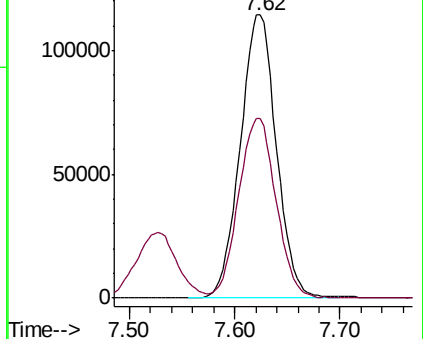
168 100

99 63.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.214 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064240.D

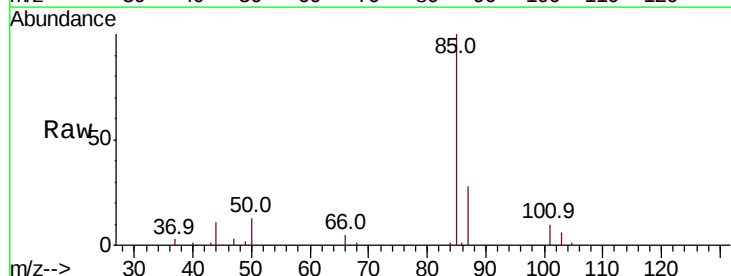
Acq: 22 Oct 2020 1:54

Tgt Ion: 85 Resp: 65632

Ion Ratio Lower Upper

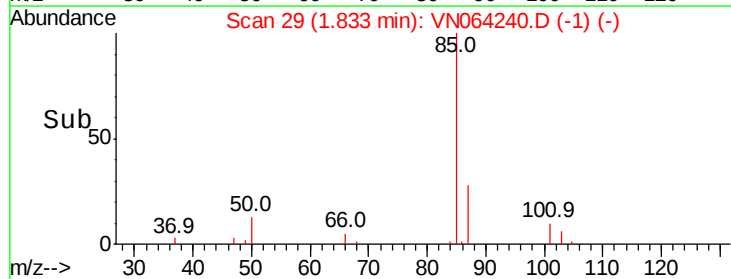
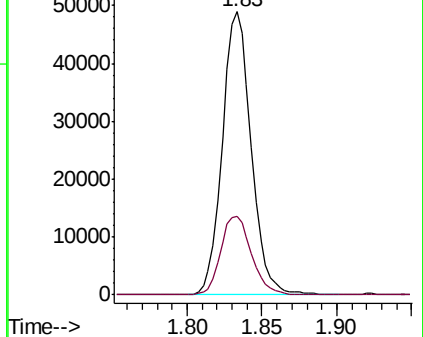
85 100

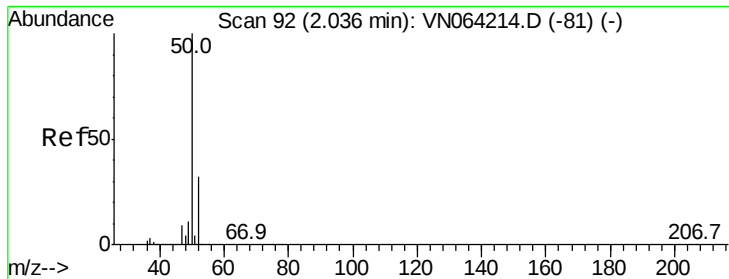
87 27.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.705 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

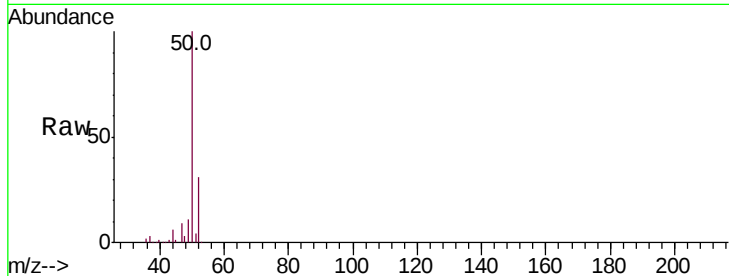
VN1021WBSD02

Tot Ion: 50 Resp: 65132

Ion Ratio Lower Upper

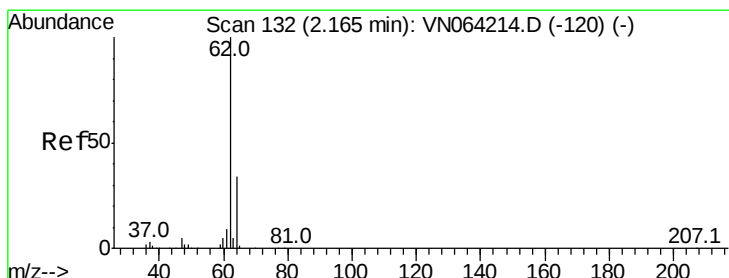
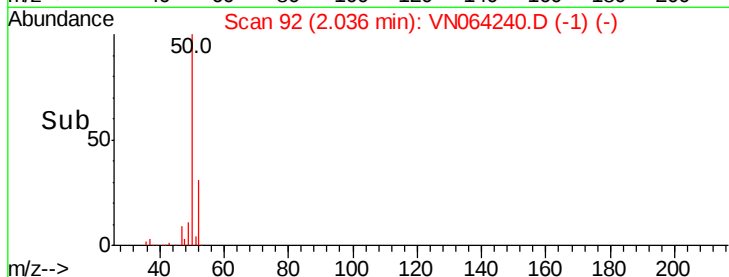
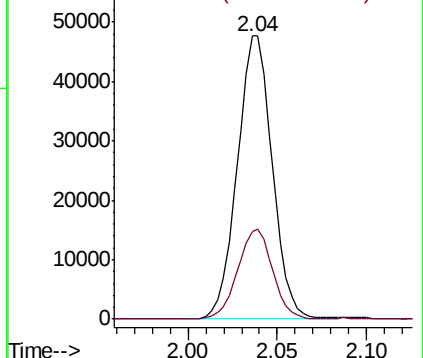
50 100

52 31.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.479 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064240.D

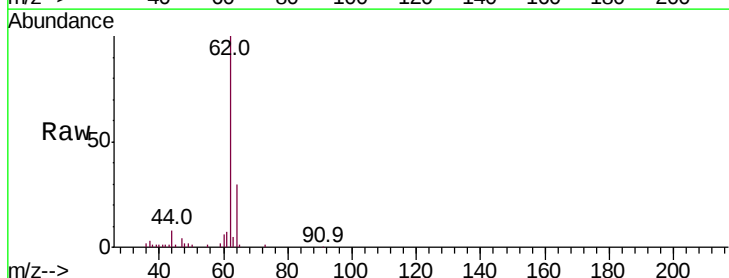
Acq: 22 Oct 2020 1:54

Tgt Ion: 62 Resp: 63867

Ion Ratio Lower Upper

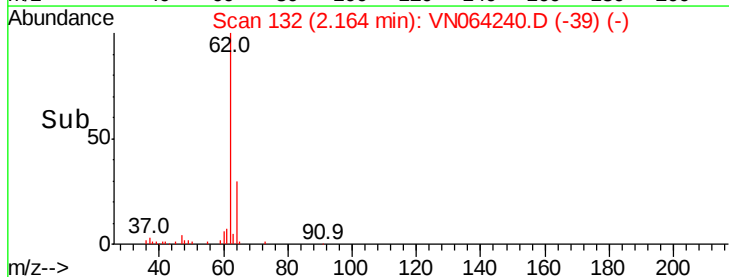
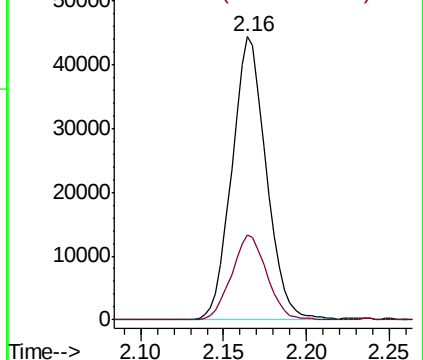
62 100

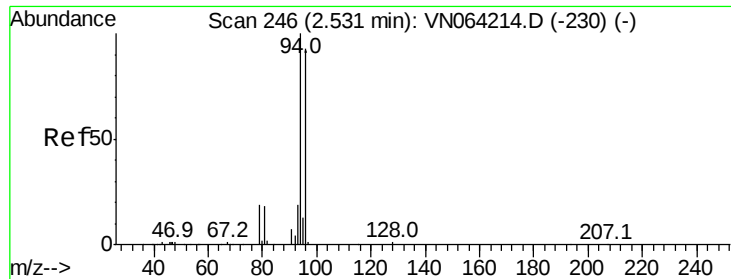
64 30.1 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.478 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

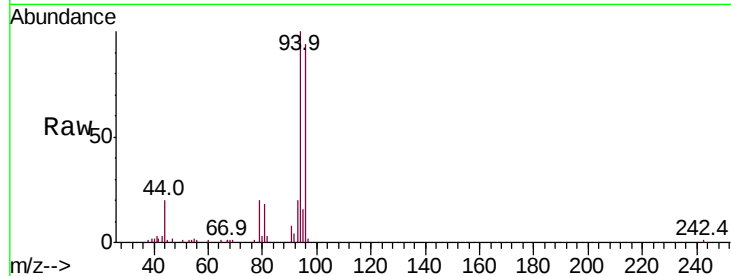
VN1021WBSD02

Tot Ion: 94 Resp: 39595

Ion Ratio Lower Upper

94 100

96 94.3 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN064240.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064240.D (-230) (-)

2.54

20000

15000

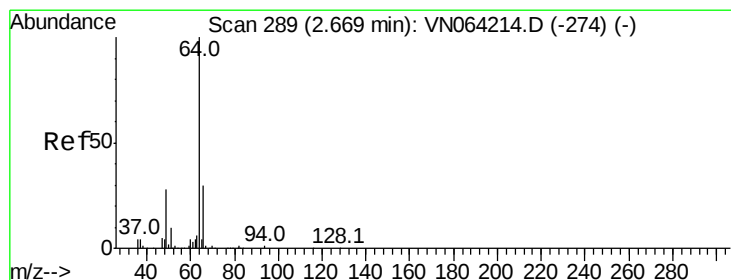
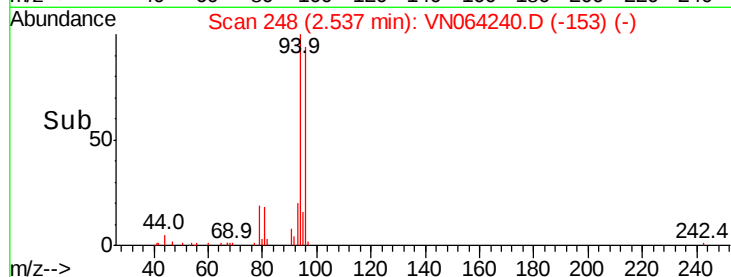
10000

5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 19.459 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064240.D

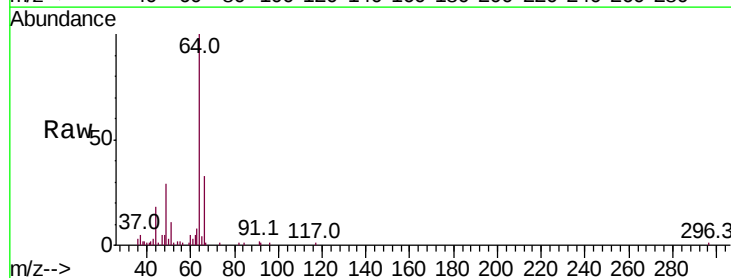
Acq: 22 Oct 2020 1:54

Tgt Ion: 64 Resp: 36944

Ion Ratio Lower Upper

64 100

66 33.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN064240.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN064240.D (-274) (-)

2.68

20000

15000

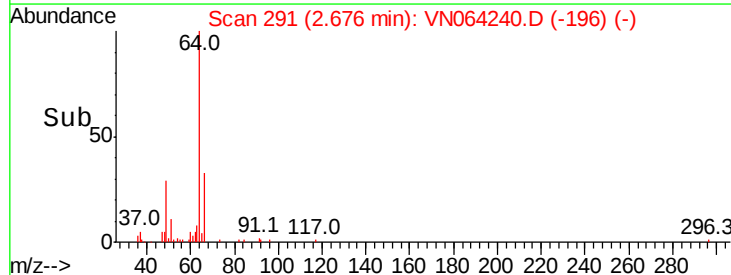
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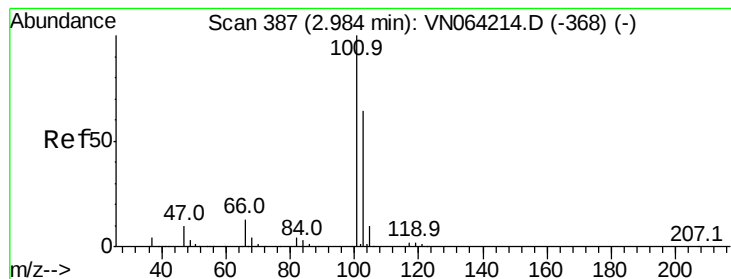
5000

0

Time-->

2.60 2.65 2.70 2.75



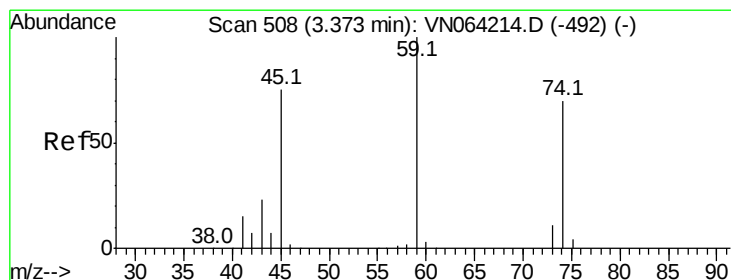
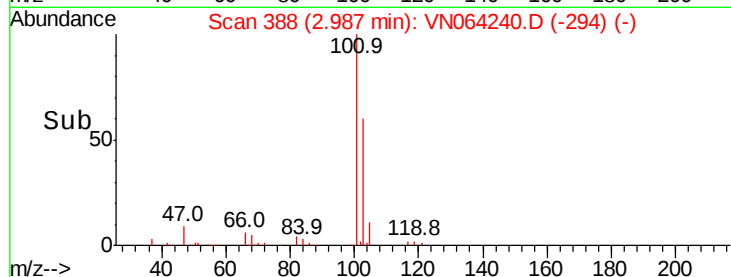
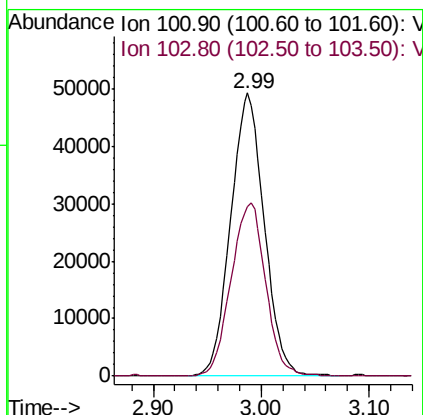
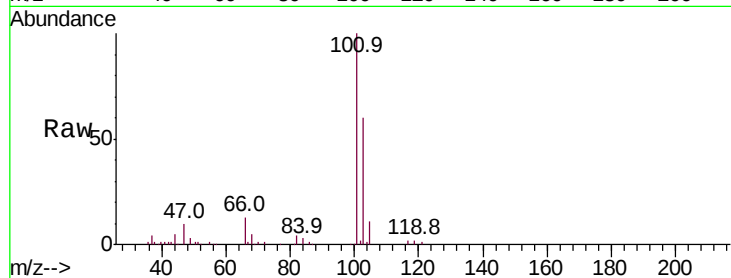


#7

Trichlorofluoromethane
 Concen: 20.838 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

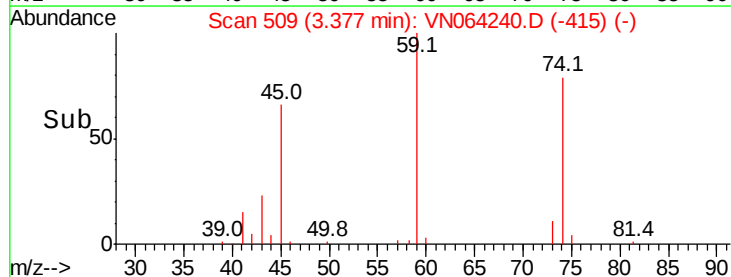
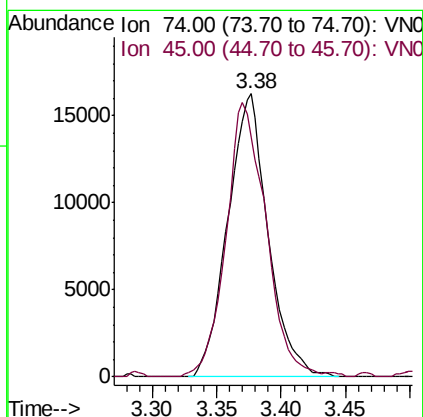
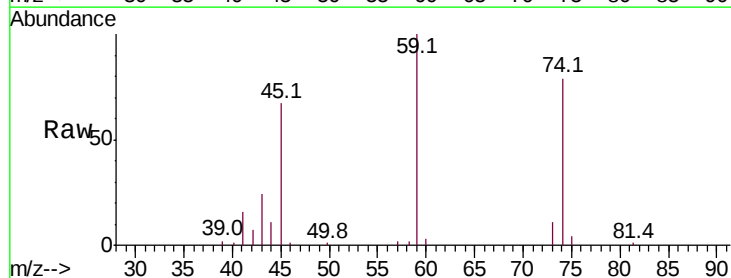
Tot Ion:101 Resp: 106869
 Ion Ratio Lower Upper
 101 100
 103 60.0 51.0 76.6

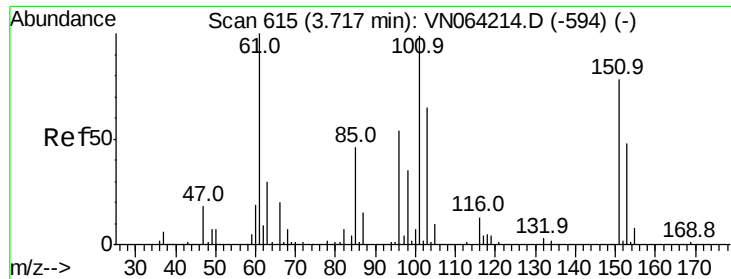


#8

Diethyl Ether
 Concen: 20.808 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion: 74 Resp: 35302
 Ion Ratio Lower Upper
 74 100
 45 96.1 51.3 154.0

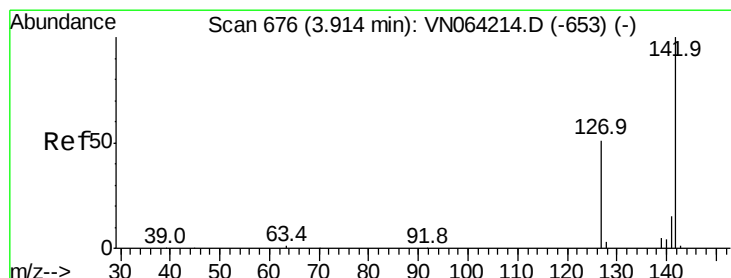
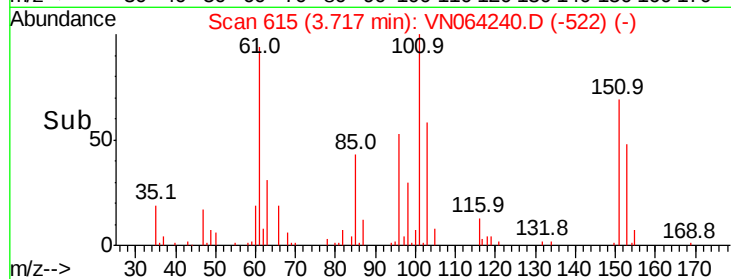
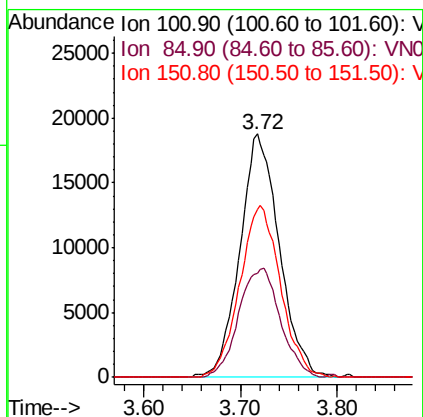
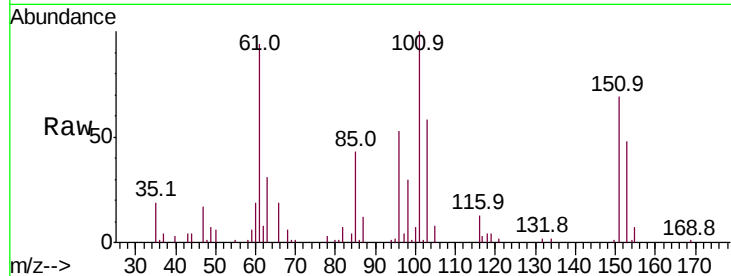




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.025 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

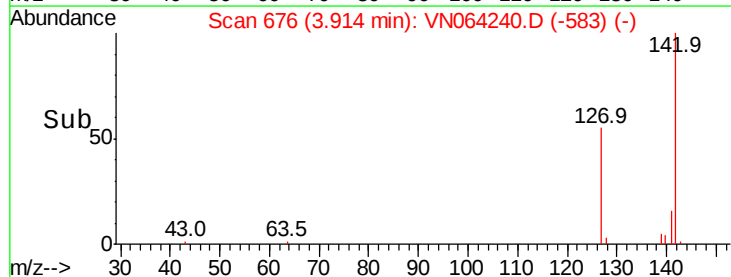
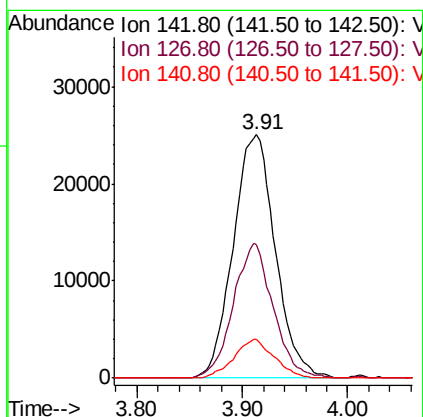
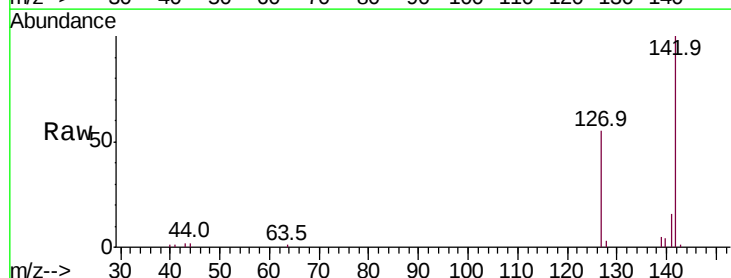
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

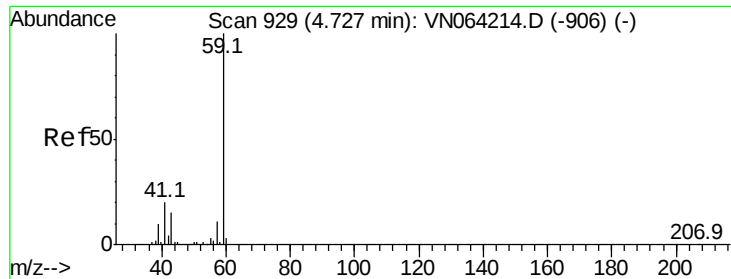
Tot Ion:101 Resp: 53108
 Ion Ratio Lower Upper
 101 100
 85 47.4 37.8 56.8
 151 72.7 61.4 92.2



#10
 Methyl Iodide
 Concen: 18.461 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion:142 Resp: 69621
 Ion Ratio Lower Upper
 142 100
 127 52.2 41.0 61.6
 141 15.1 11.3 16.9

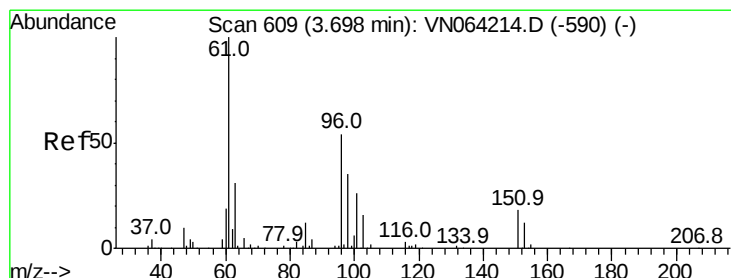
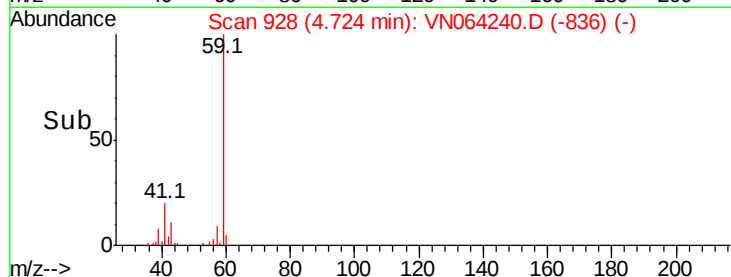
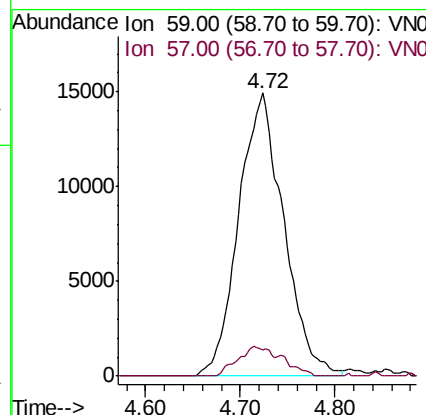
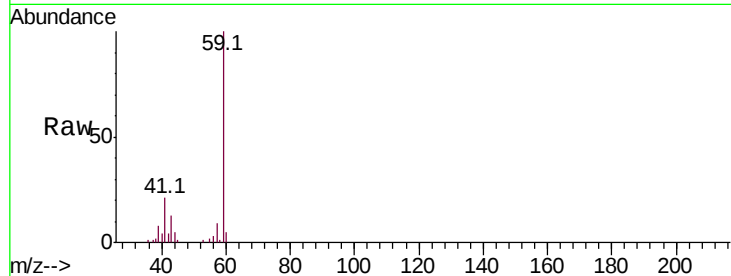




#11
Tert butyl alcohol
Concen: 91.355 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

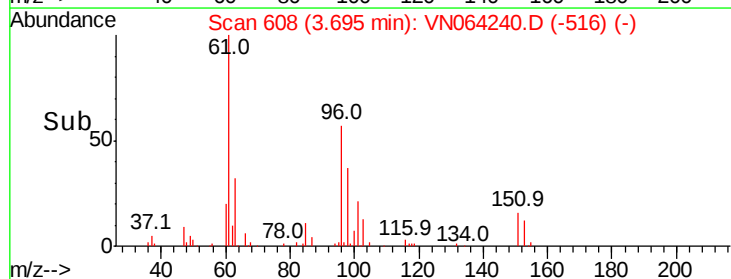
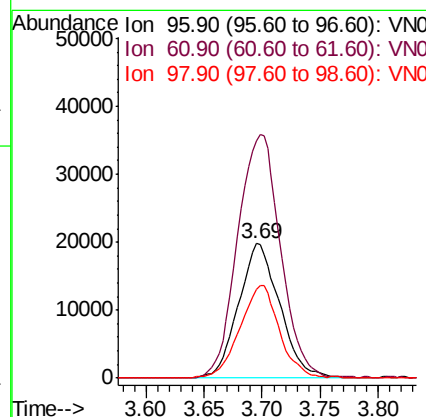
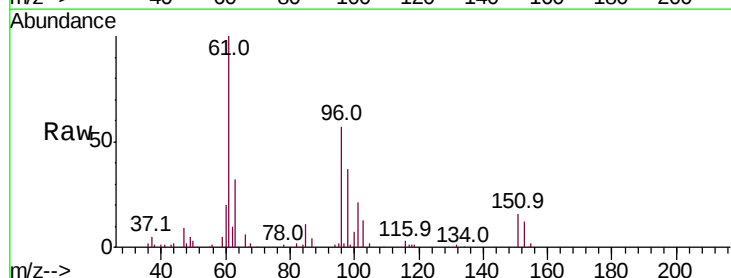
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

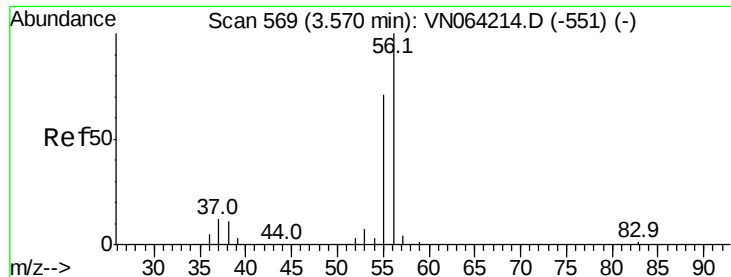
Tot Ion: 59 Resp: 49428
Ion Ratio Lower Upper
59 100
57 7.6 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 19.118 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 96 Resp: 48766
Ion Ratio Lower Upper
96 100
61 176.4 147.0 220.4
98 66.1 51.7 77.5





#13

Acrolein

Concen: 64.463 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

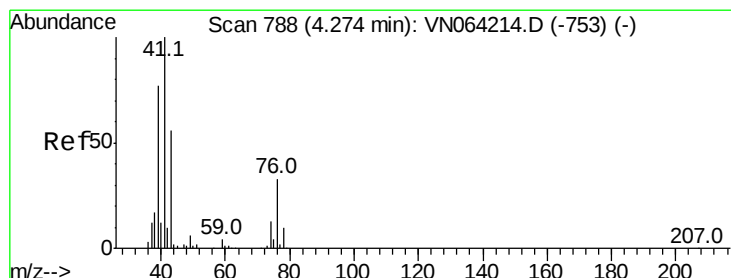
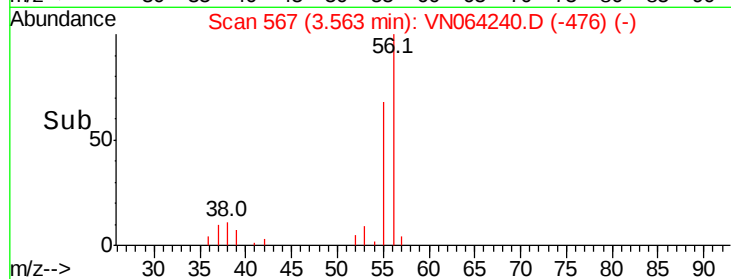
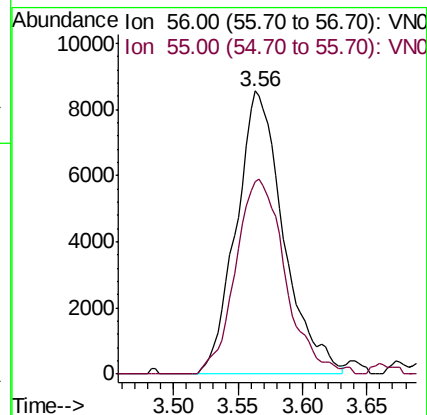
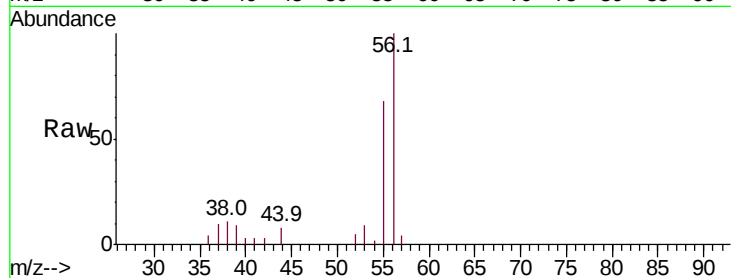
VN1021WBSD02

Tot Ion: 56 Resp: 21894

Ion Ratio Lower Upper

56 100

55 72.1 56.1 84.1



#14

Allyl chloride

Concen: 19.246 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

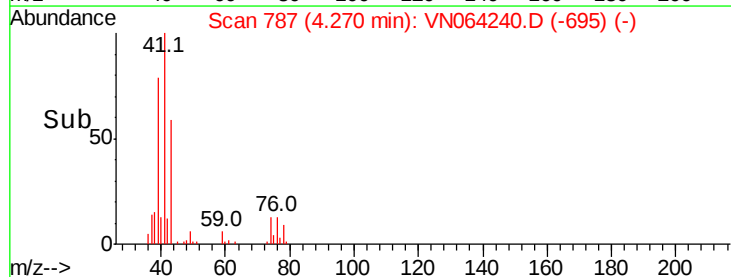
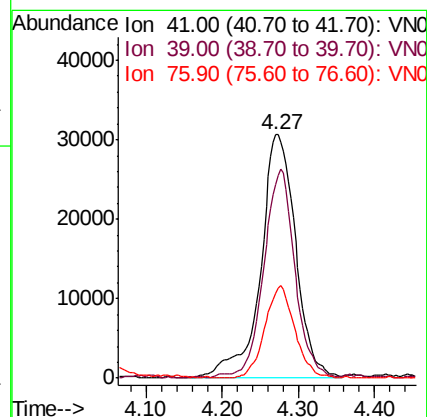
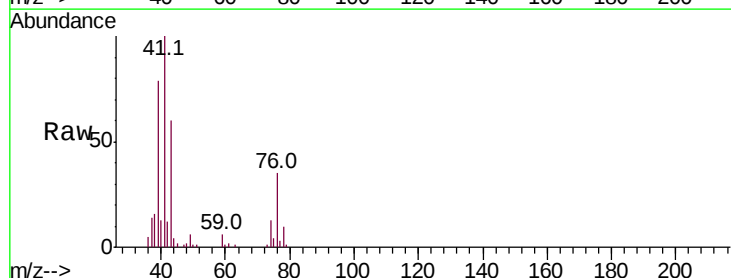
Tgt Ion: 41 Resp: 98258

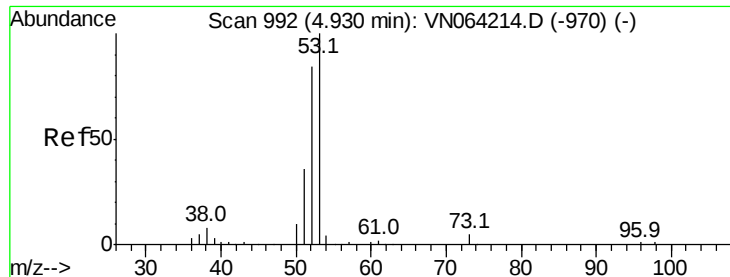
Ion Ratio Lower Upper

41 100

39 76.1 58.6 88.0

76 32.2 24.5 36.7





#15

Acrylonitrile

Concen: 93.644 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

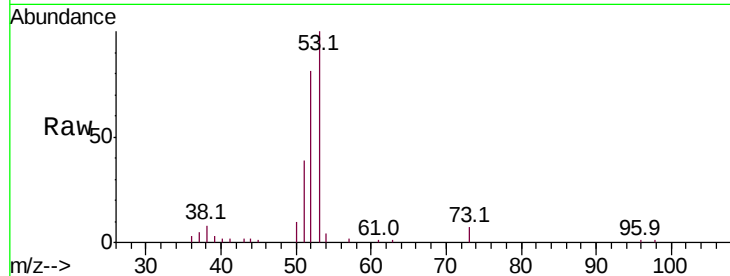
Tot Ion: 53 Resp: 104769

Ion Ratio Lower Upper

53 100

52 84.5 66.8 100.2

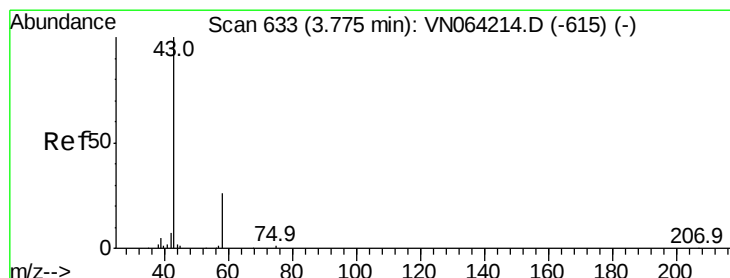
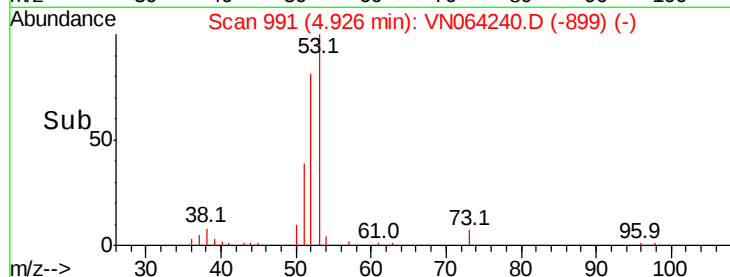
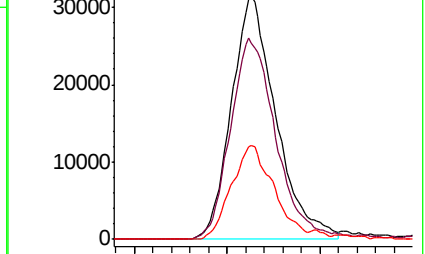
51 36.7 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VN064240.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064240.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064240.D (-970) (-)



#16

Acetone

Concen: 93.866 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064240.D

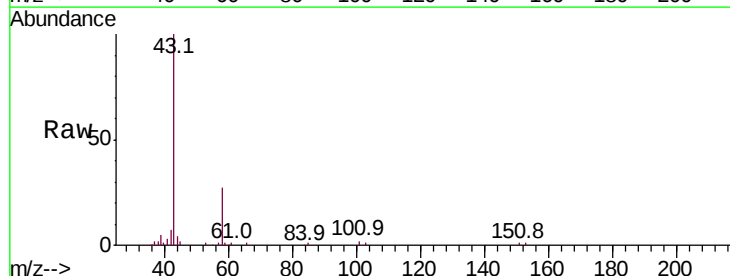
Acq: 22 Oct 2020 1:54

Tgt Ion: 43 Resp: 108555

Ion Ratio Lower Upper

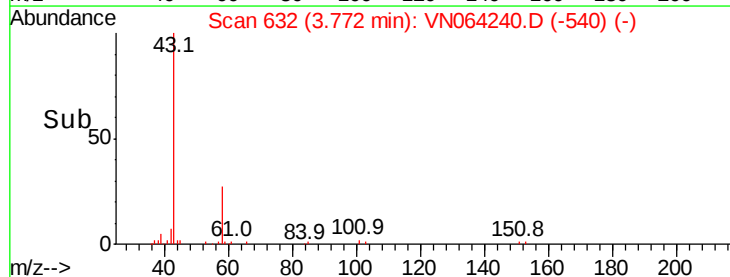
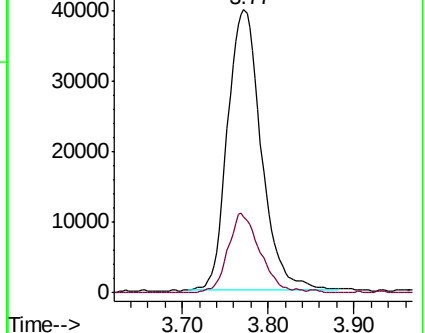
43 100

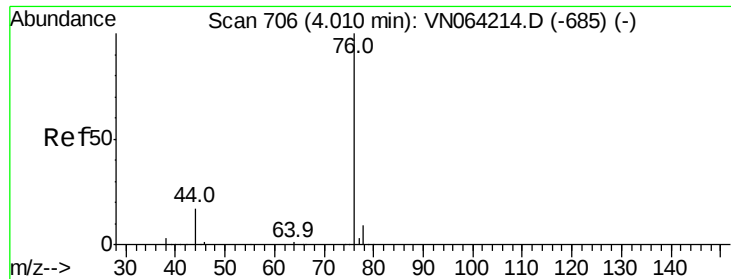
58 27.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN064240.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN064240.D (-540) (-)

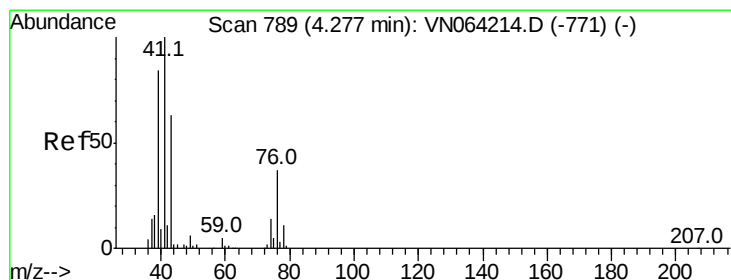
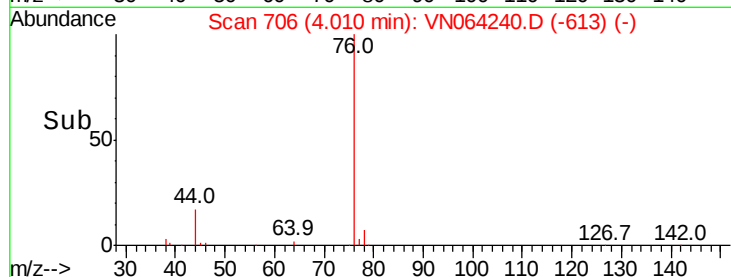
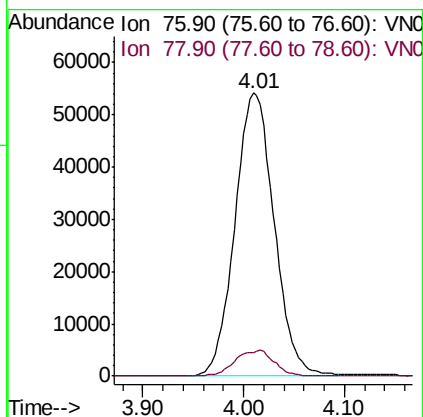
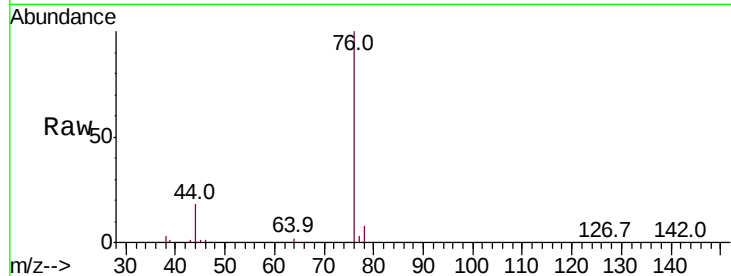




#17
Carbon Disulfide
Concen: 20.092 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

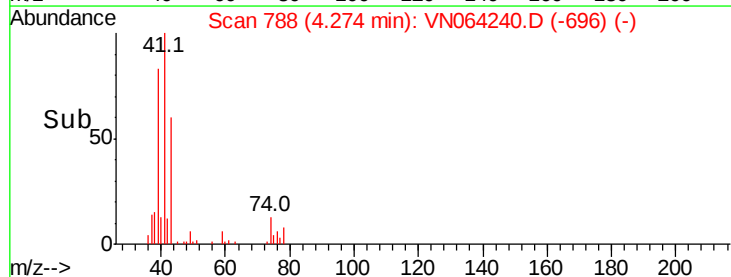
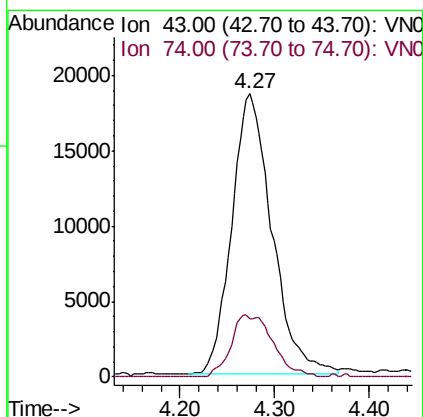
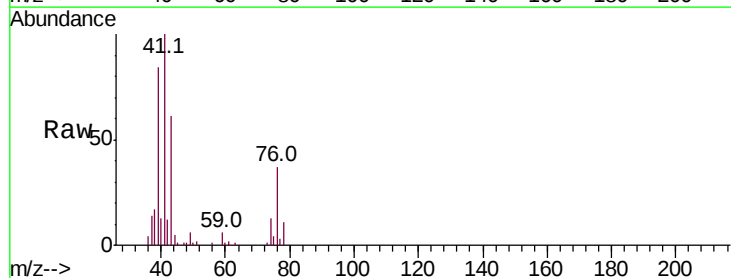
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

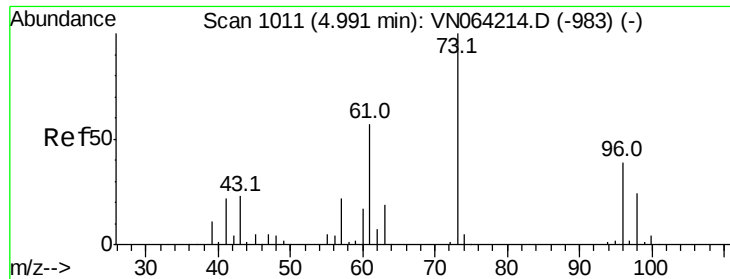
Tot Ion: 76 Resp: 146194
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#18
Methyl Acetate
Concen: 18.632 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 43 Resp: 54907
Ion Ratio Lower Upper
43 100
74 12.1 17.9 26.9#





#19

Methyl tert-butyl Ether

Concen: 19.651 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

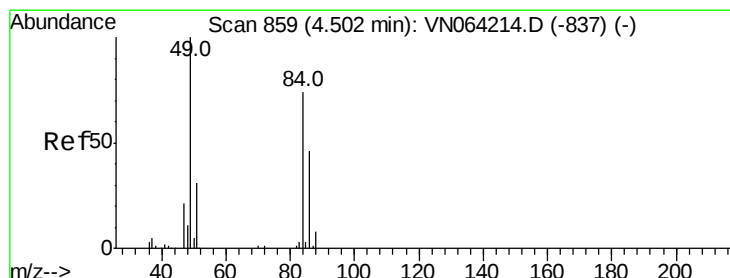
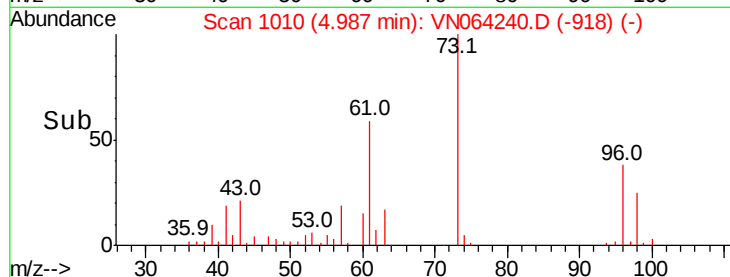
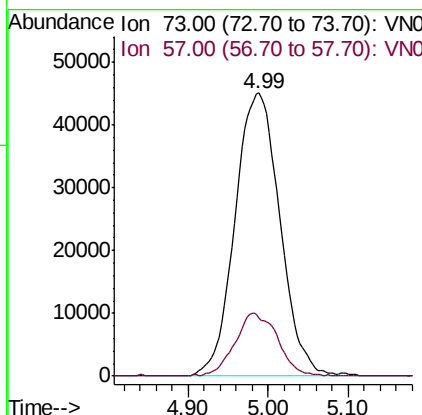
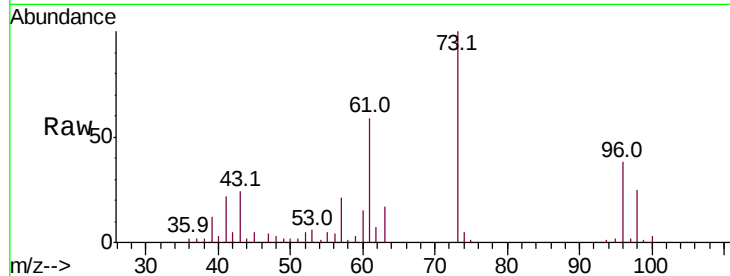
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :
MSVOA_N
ClientSampled :
VN1021WBSD02

Tot Ion: 73 Resp: 172335

Ion	Ratio	Lower	Upper
73	100		
57	20.7	18.0	27.0



#20

Methylene Chloride

Concen: 18.928 ug/l

RT: 4.50 min Scan# 859

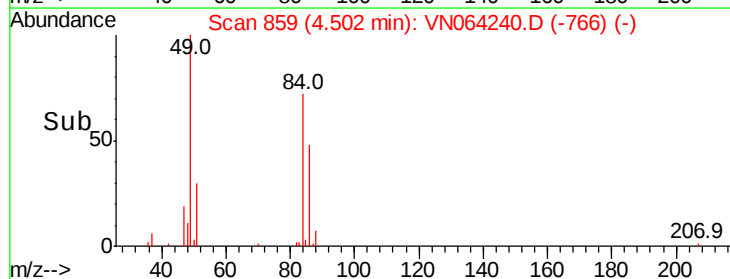
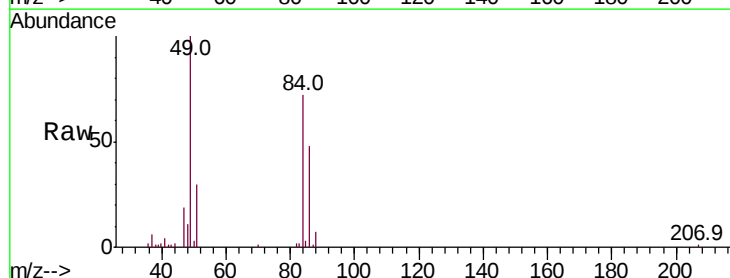
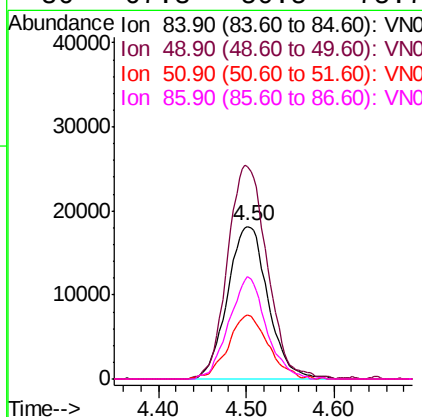
Delta R.T. -0.00 min

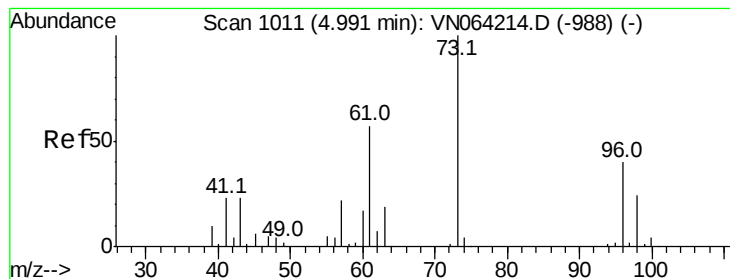
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Tgt Ion: 84 Resp: 58371

Ion	Ratio	Lower	Upper
84	100		
49	139.3	108.5	162.7
51	41.9	33.8	50.8
86	67.3	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 19.700 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

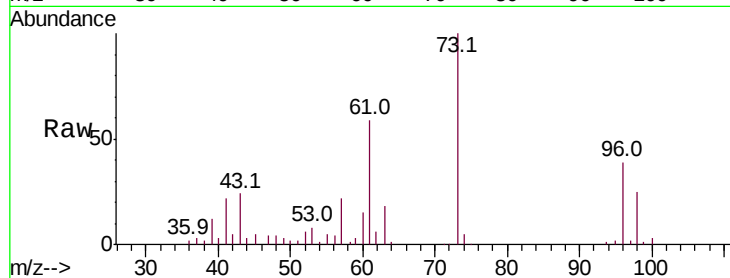
Tot Ion: 96 Resp: 55412

Ion Ratio Lower Upper

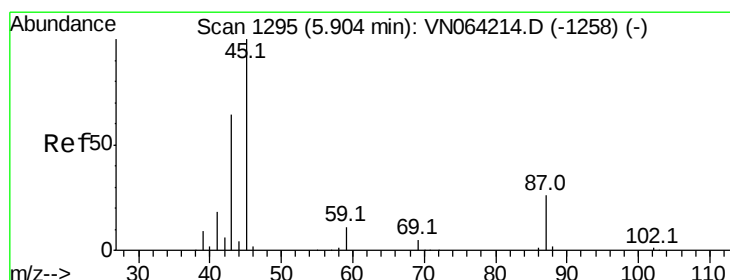
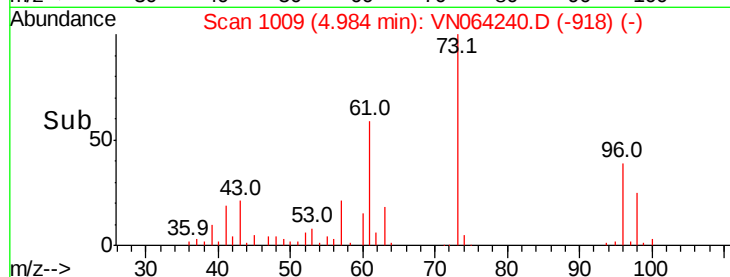
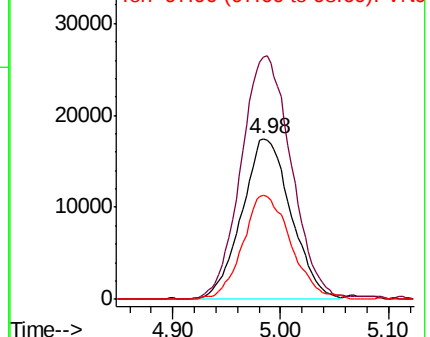
96 100

61 151.1 115.8 173.6

98 65.1 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.166 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Tgt Ion: 45 Resp: 181901

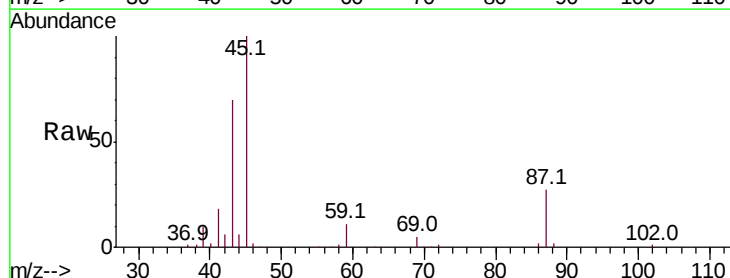
Ion Ratio Lower Upper

45 100

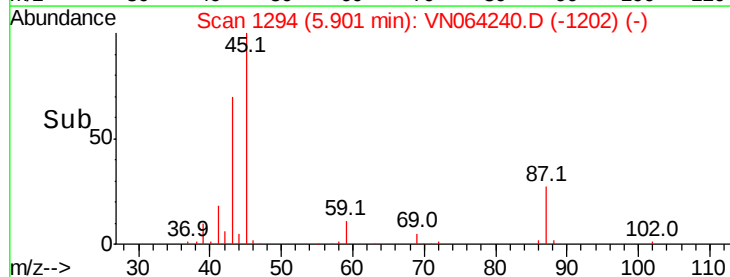
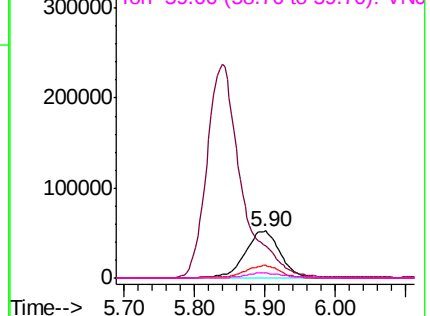
43 66.9 52.2 78.4

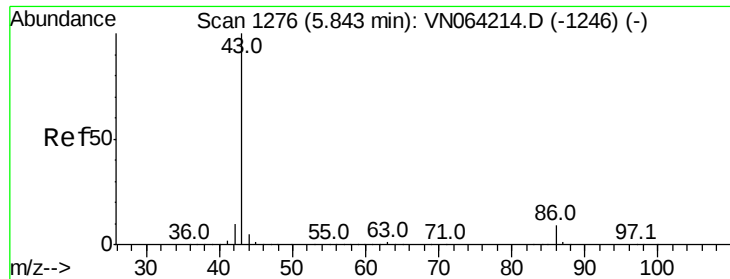
87 26.9 21.4 32.0

59 10.5 8.3 12.5



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

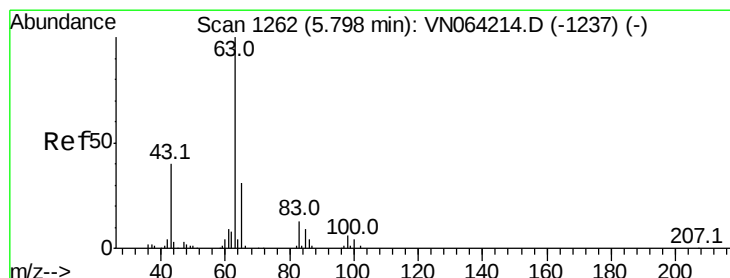
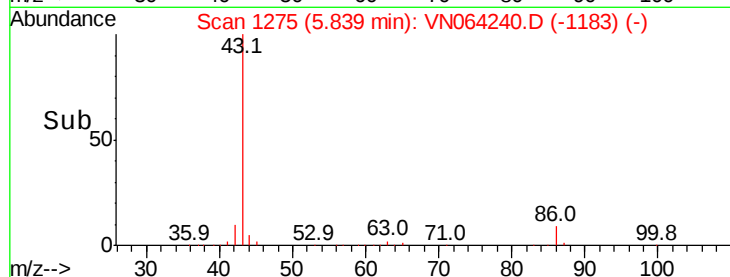
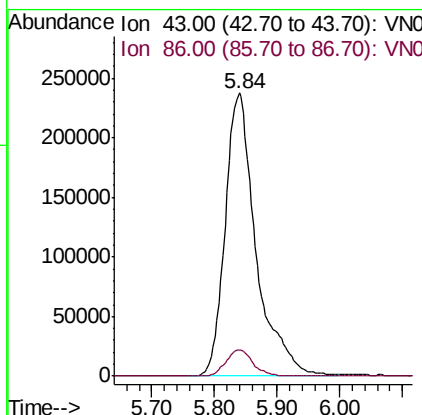
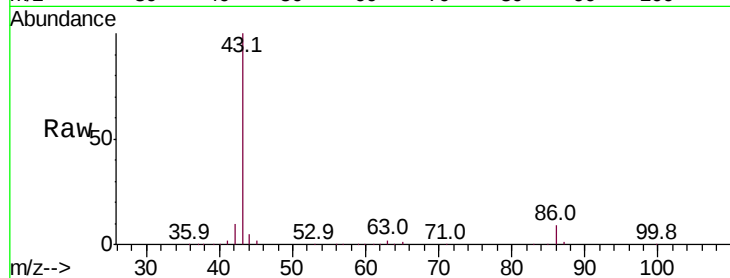




#23
 Vinyl Acetate
 Concen: 96.078 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

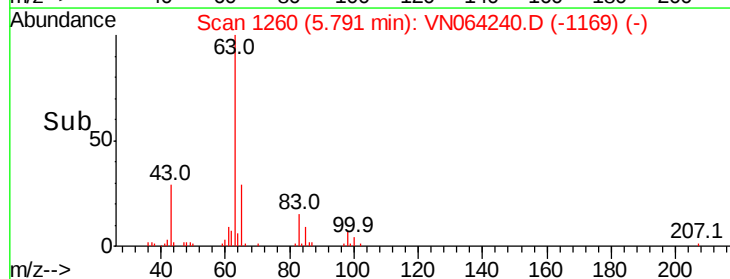
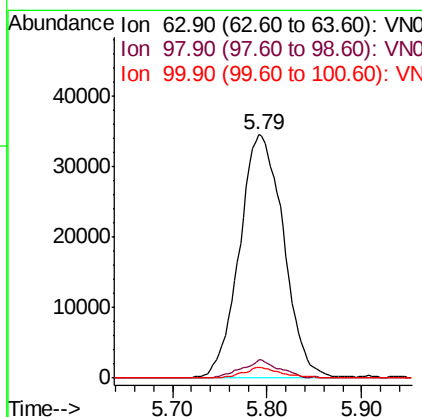
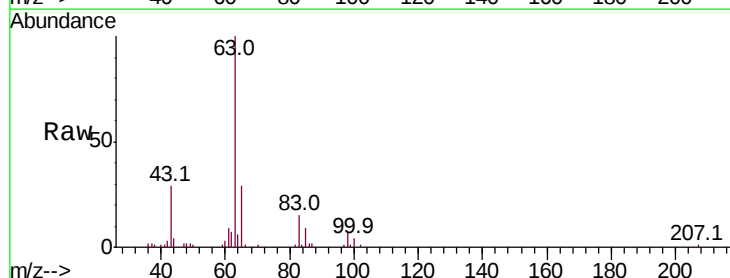
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1021WBSD02

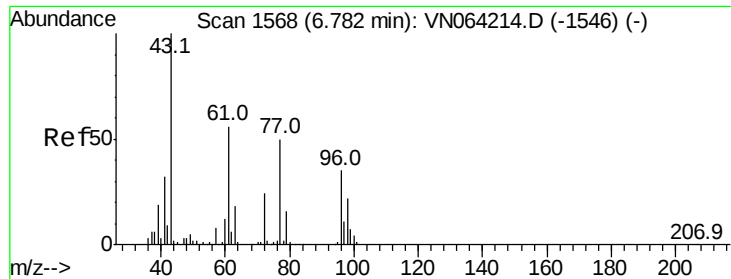
Tot Ion: 43 Resp: 813187
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 20.236 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion: 63 Resp: 111258
 Ion Ratio Lower Upper
 63 100
 98 7.3 2.9 8.7
 100 4.2 2.0 6.0

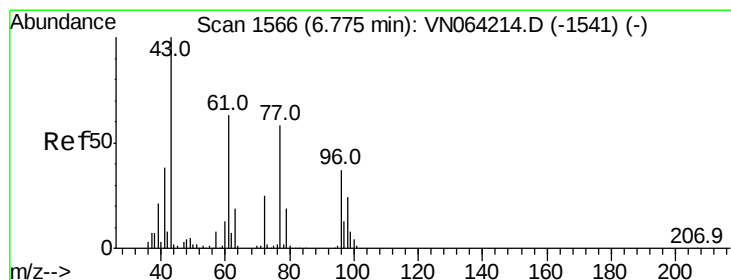
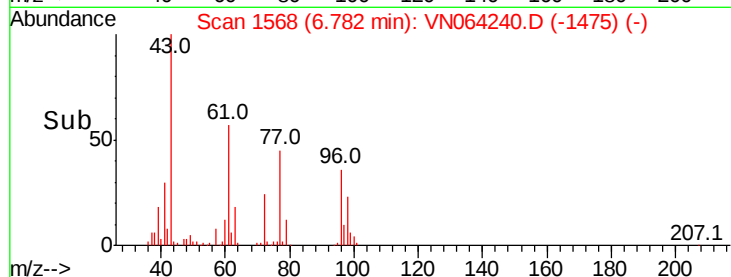
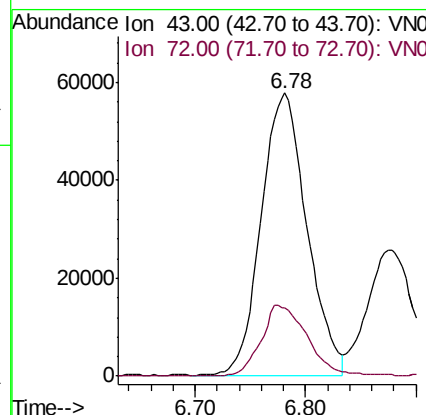
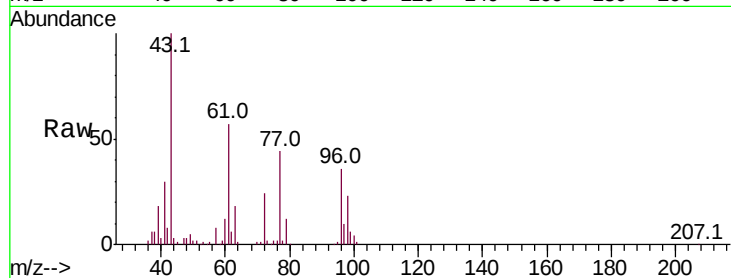




#25
2-Butanone
Concen: 90.003 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

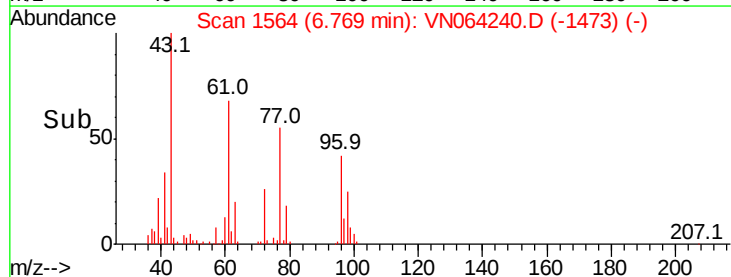
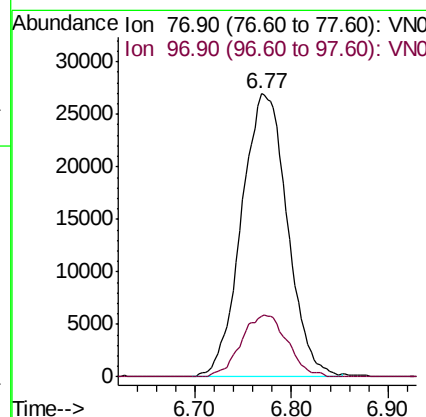
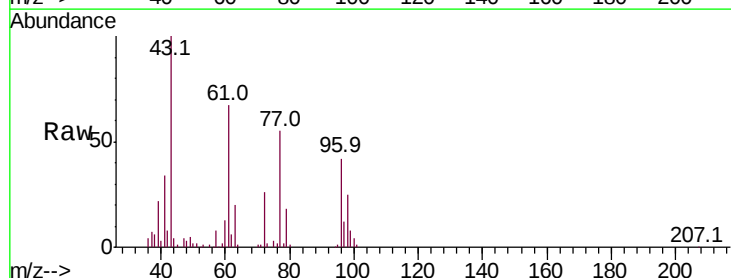
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

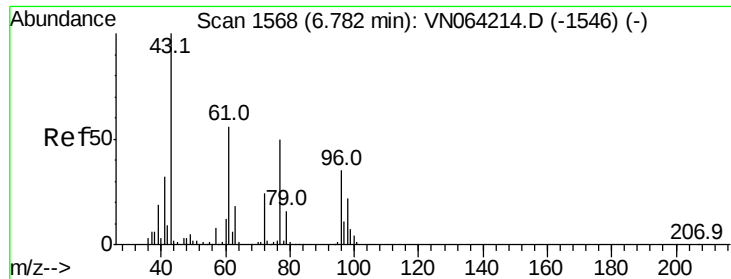
Tot Ion: 43 Resp: 165372
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.0



#26
2,2-Dichloropropane
Concen: 16.203 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 77 Resp: 88686
Ion Ratio Lower Upper
77 100
97 22.1 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.797 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

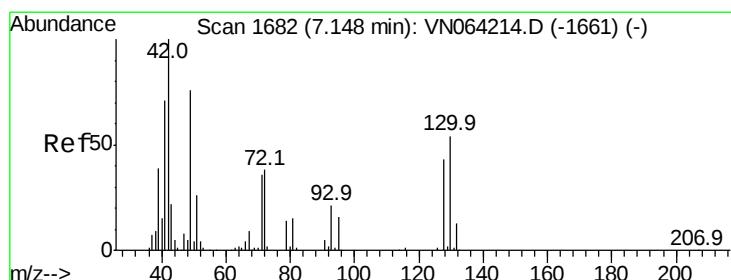
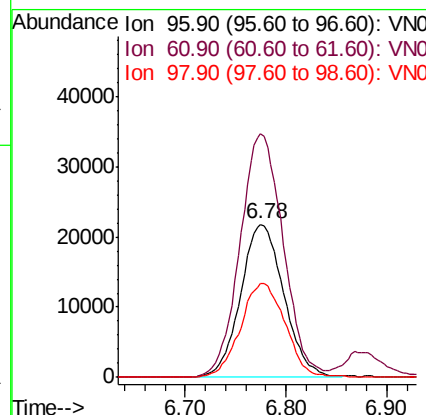
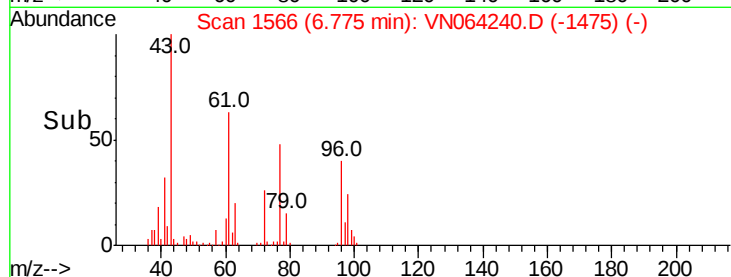
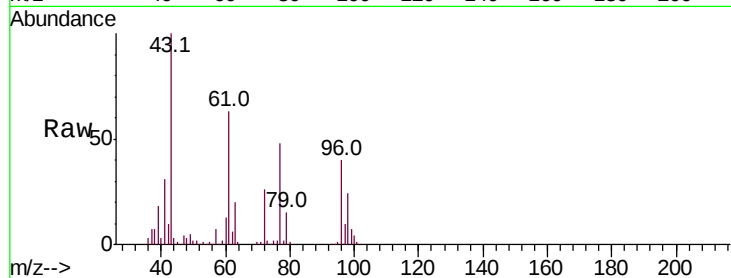
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

Tot Ion: 96 Resp: 64848

Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	330.0
98	63.5	0.0	130.6



#28

Bromochloromethane

Concen: 19.268 ug/l

RT: 7.14 min Scan# 1681

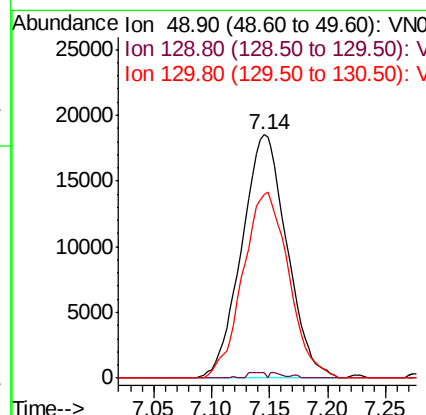
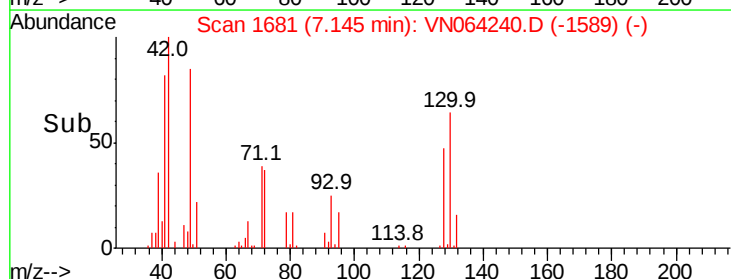
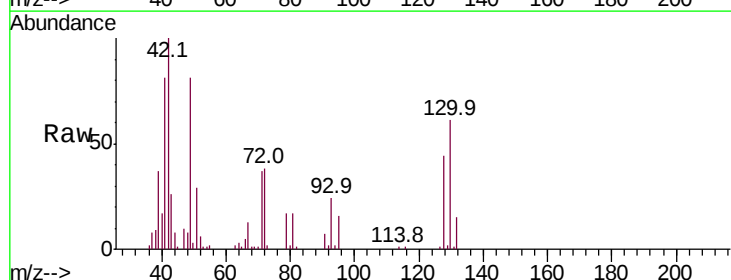
Delta R.T. -0.00 min

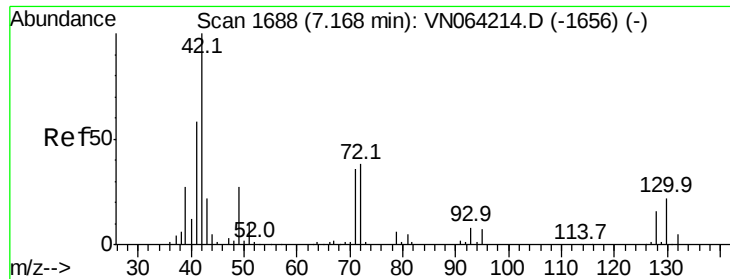
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Tgt Ion: 49 Resp: 50327

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.8
130	77.2	58.8	88.2





#29

Tetrahydrofuran

Concen: 93.044 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

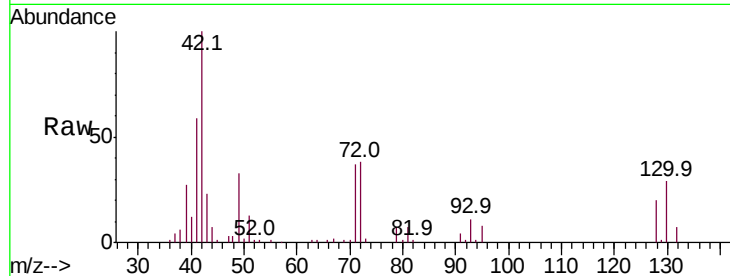
Tot Ion: 42 Resp: 102263

Ion Ratio Lower Upper

42 100

72 37.9 30.8 46.2

71 36.2 29.0 43.6

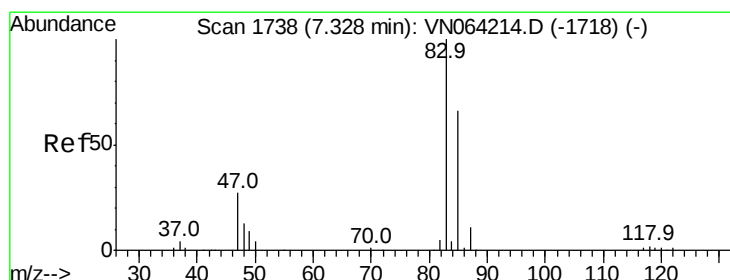
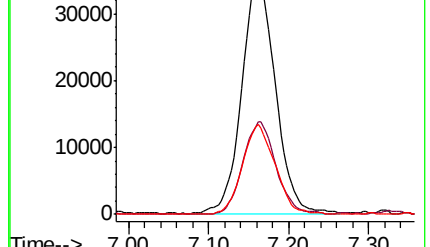
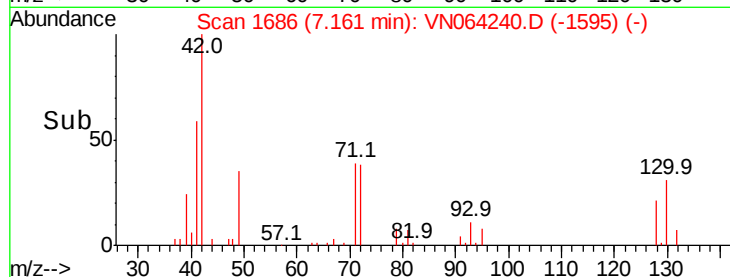


Abundance Ion 42.00 (41.70 to 42.70): VN064214.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN064214.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN064214.D (-1656) (-)

Time-->



#30

Chloroform

Concen: 20.098 ug/l

RT: 7.32 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064240.D

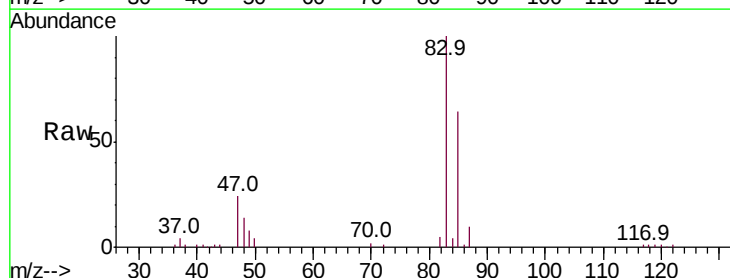
Acq: 22 Oct 2020 1:54

Tgt Ion: 83 Resp: 117866

Ion Ratio Lower Upper

83 100

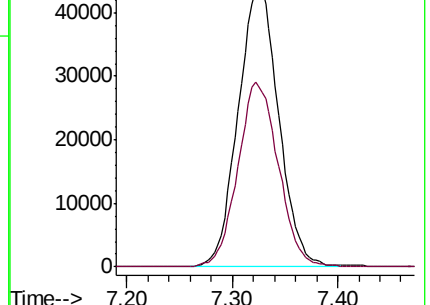
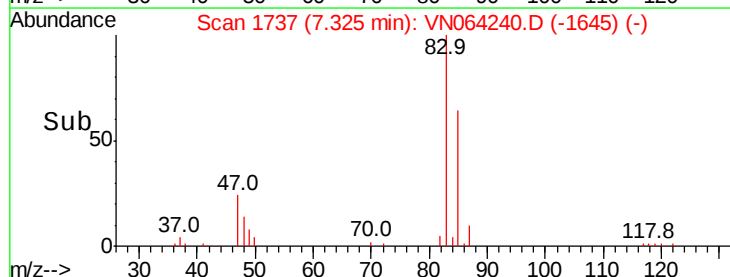
85 63.9 52.5 78.7

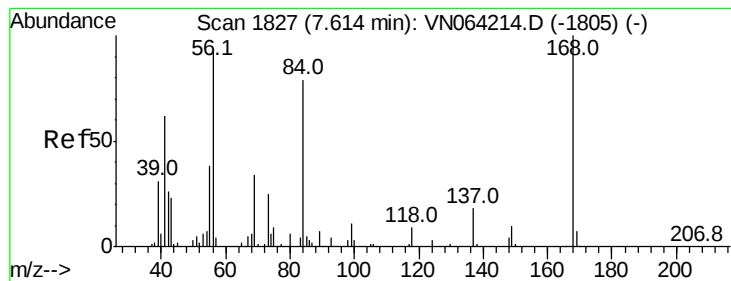


Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-1718) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-1718) (-)

Time-->





#31

Cvclohexane

Concen: 18.620 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

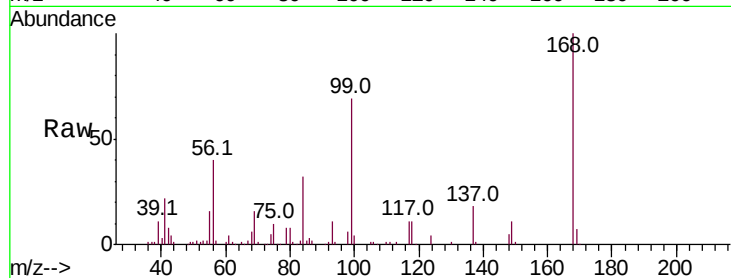
Tot Ion: 56 Resp: 89218

Ion Ratio Lower Upper

56 100

69 41.5 29.8 44.6

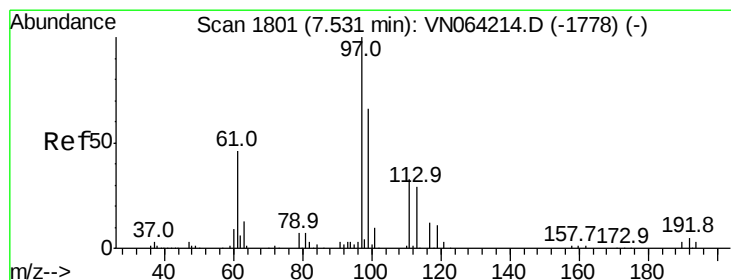
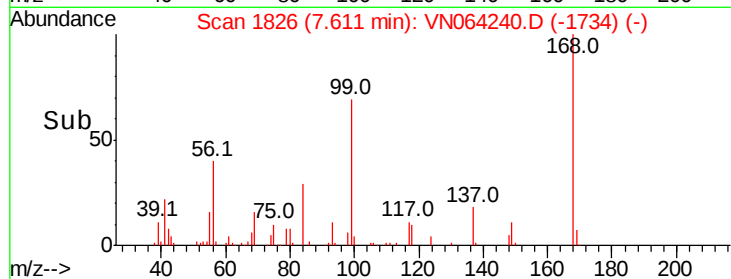
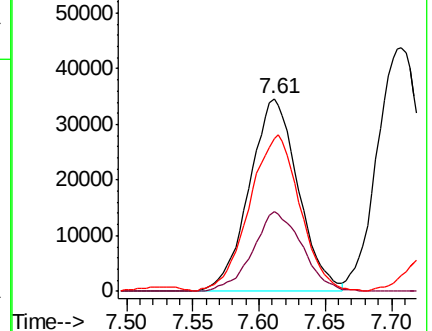
84 79.0 68.1 102.1



Abundance Ion 56.00 (55.70 to 56.70): VN064214.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064214.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064214.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 19.985 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

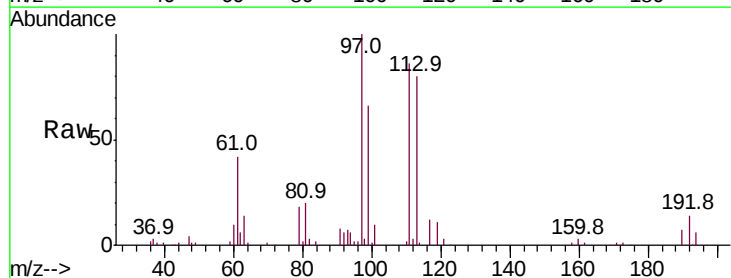
Tgt Ion: 97 Resp: 109795

Ion Ratio Lower Upper

97 100

99 66.4 51.2 76.8

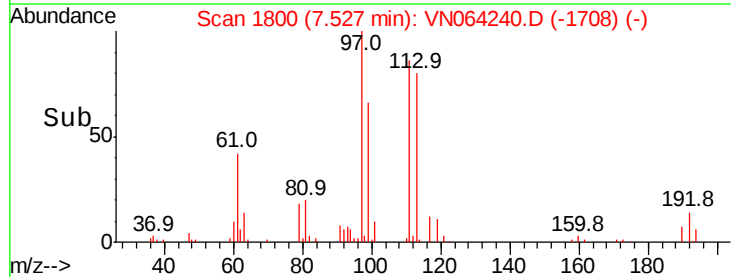
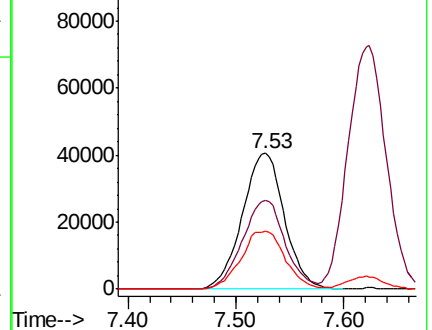
61 22.9 36.3 54.5#

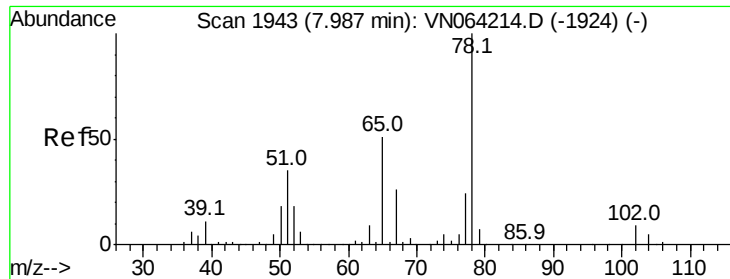


Abundance Ion 96.90 (96.60 to 97.60): VN064214.D (-1778) (-)

Ion 98.90 (98.60 to 99.60): VN064214.D (-1778) (-)

Ion 60.90 (60.60 to 61.60): VN064214.D (-1778) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.837 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

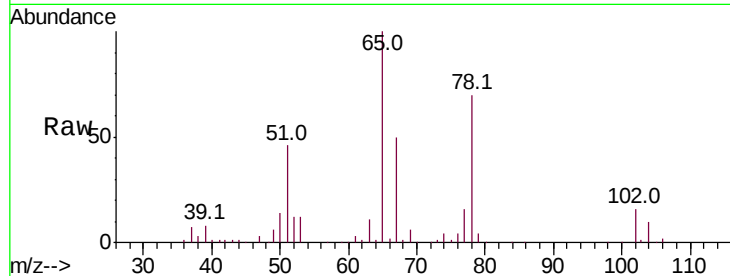
VN1021WBSD02

Tot Ion: 65 Resp: 205478

Ion Ratio Lower Upper

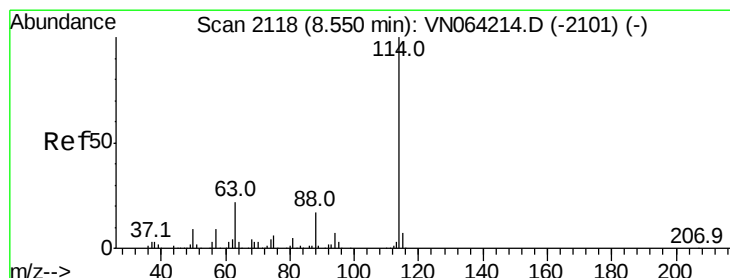
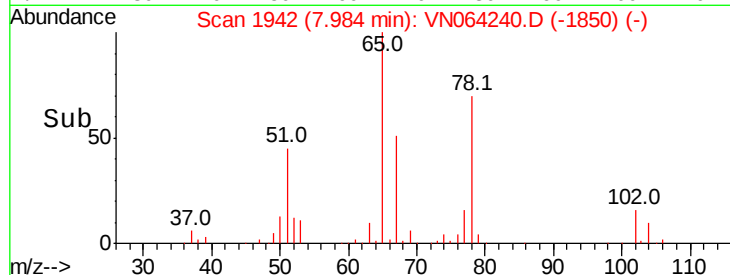
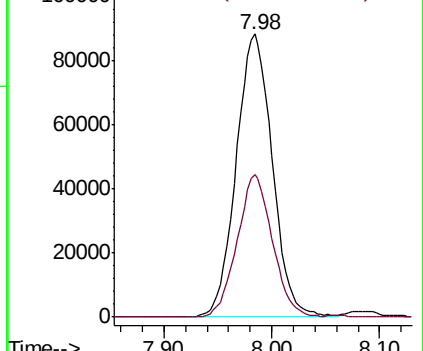
65 100

67 49.0 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

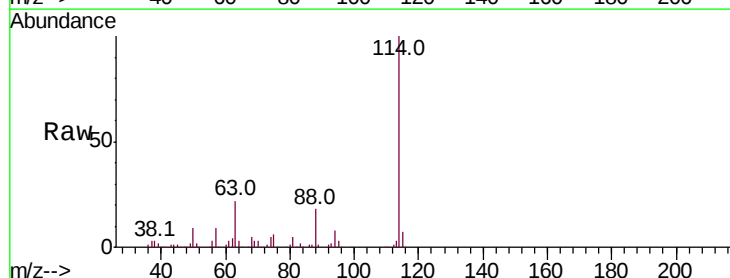
Tgt Ion: 114 Resp: 451312

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

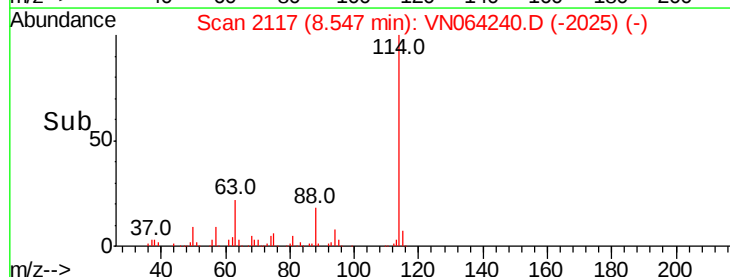
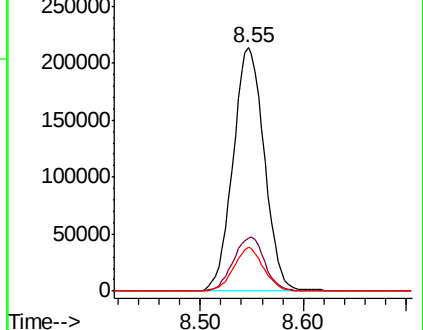
88 17.9 0.0 34.2

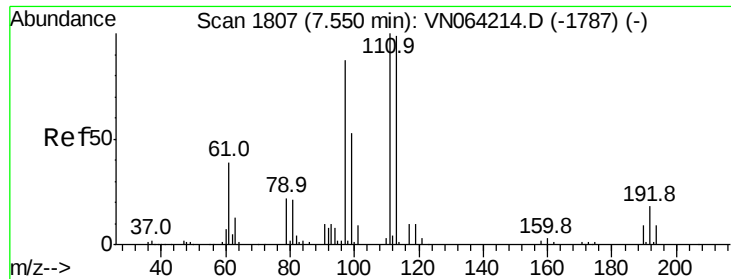


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

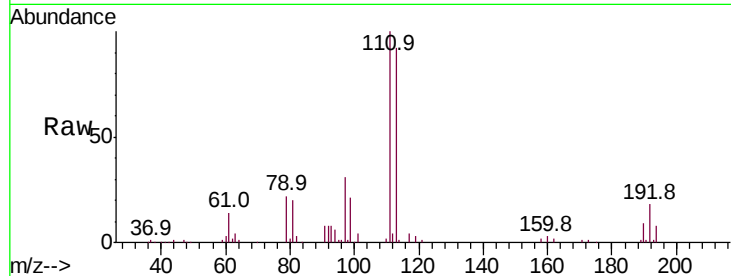




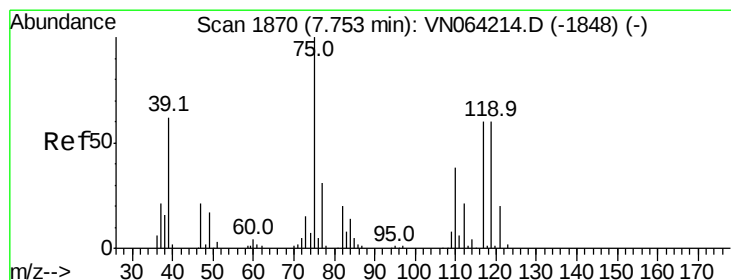
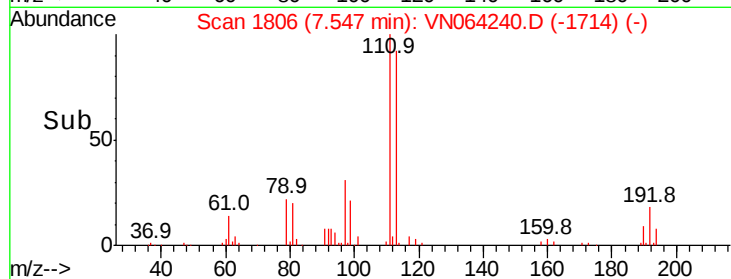
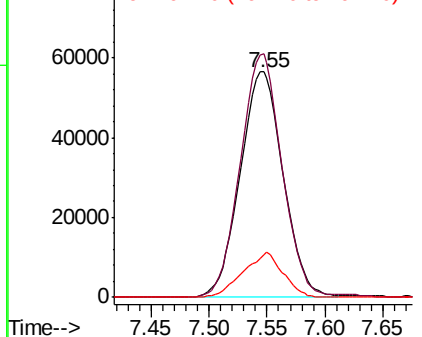
#35
 Dibromofluoromethane
 Concen: 48.663 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

Tot Ion:113 Resp: 146016
 Ion Ratio Lower Upper
 113 100
 111 104.3 84.2 126.2
 192 18.6 15.2 22.8

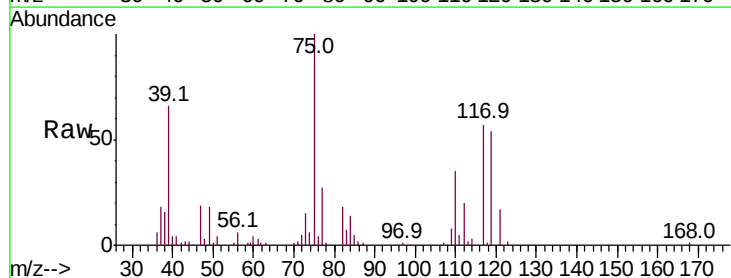


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

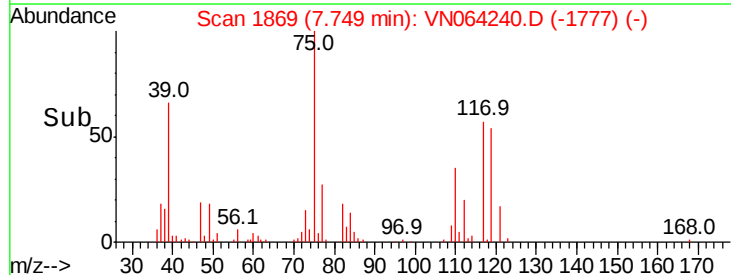
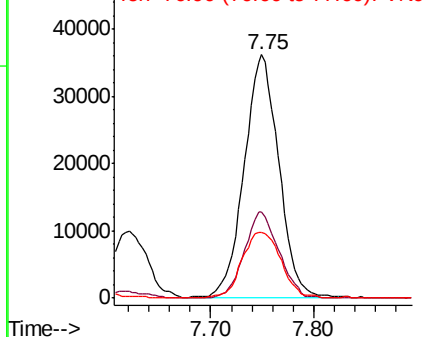


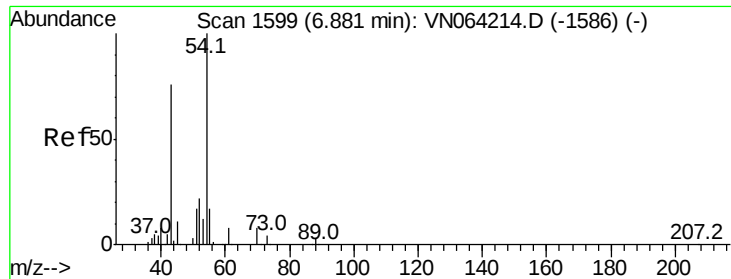
#36
 1,1-Dichloropropene
 Concen: 18.874 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion: 75 Resp: 84922
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.2 51.6
 77 30.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

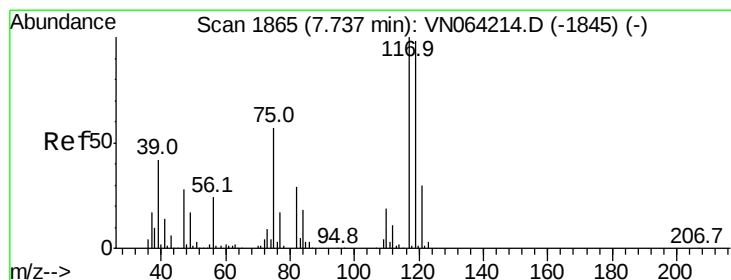
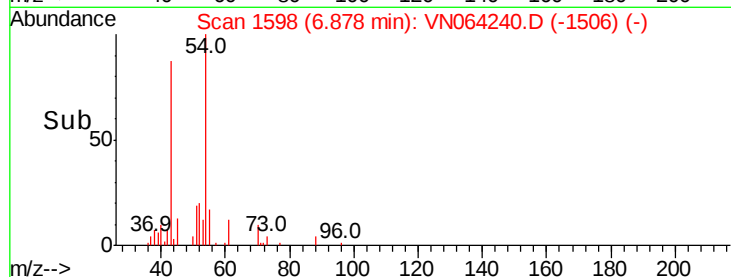
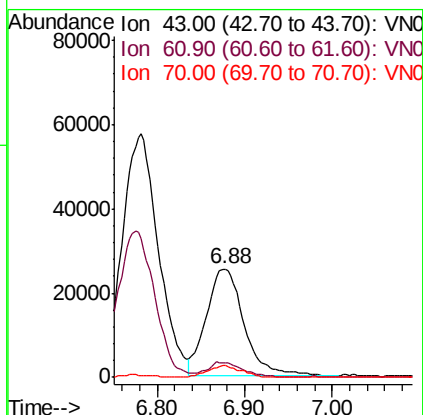
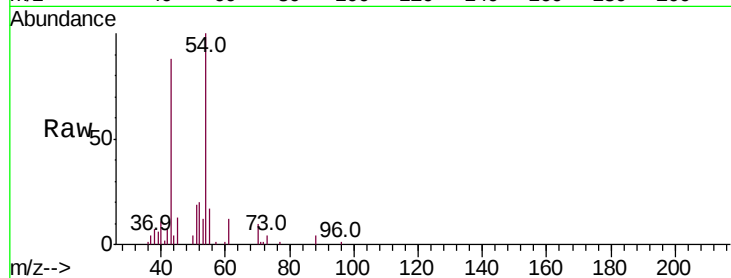




#37
Ethyl Acetate
Concen: 18.648 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

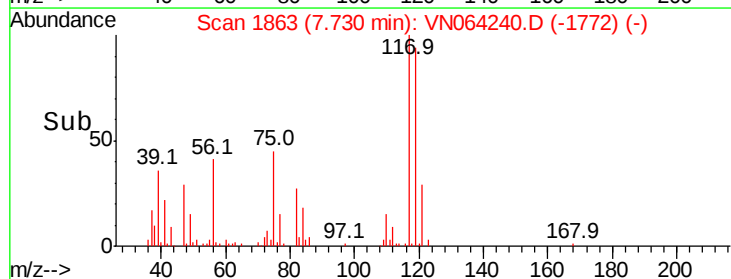
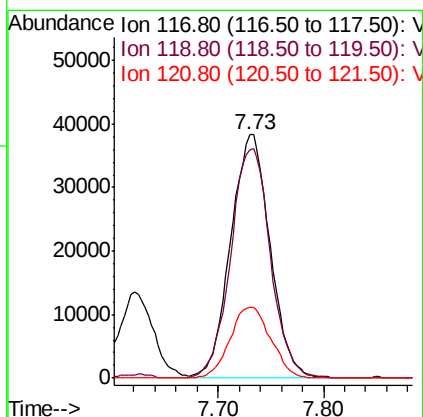
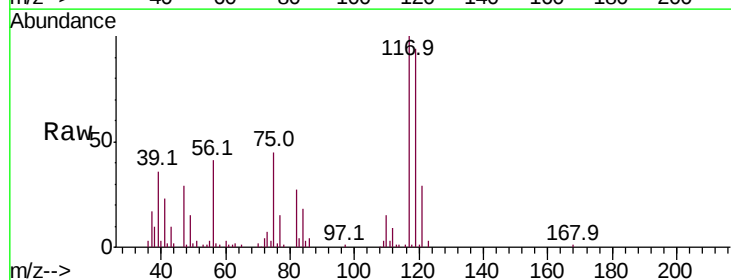
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

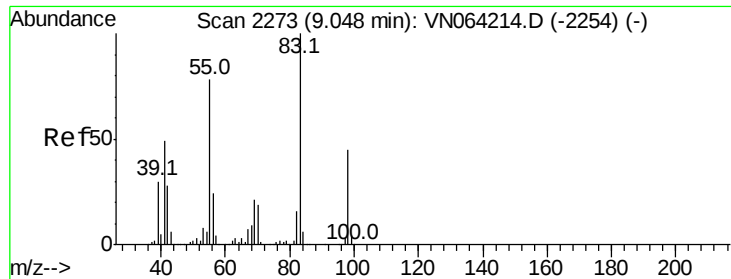
Tot Ion: 43 Resp: 76180
Ion Ratio Lower Upper
43 100
61 13.6 10.0 15.0
70 9.9 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.453 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 117 Resp: 99584
Ion Ratio Lower Upper
117 100
119 93.9 78.5 117.7
121 28.8 24.3 36.5

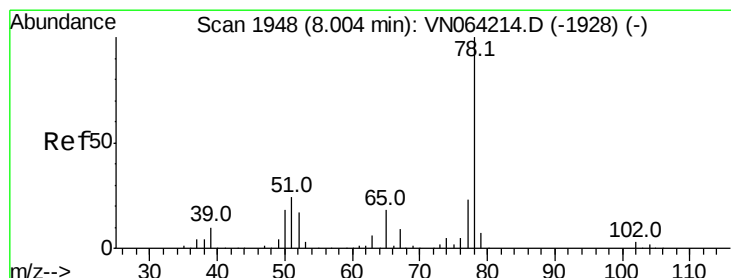
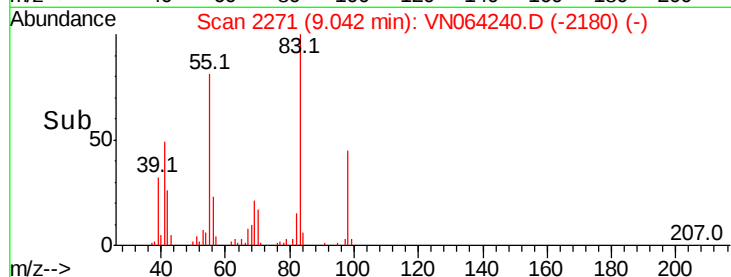
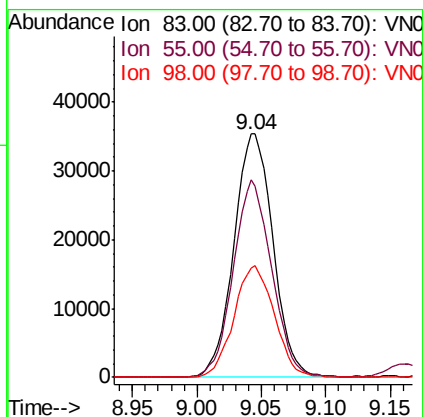
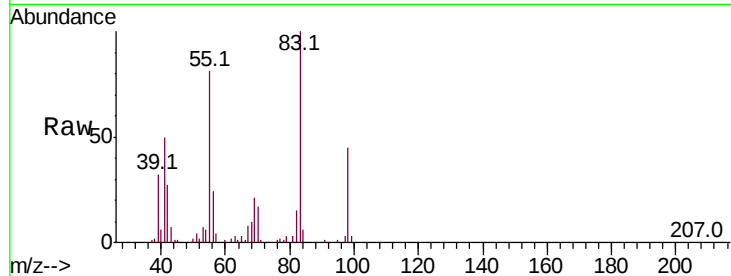




#39
Methvlcvclohexane
Concen: 18.278 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

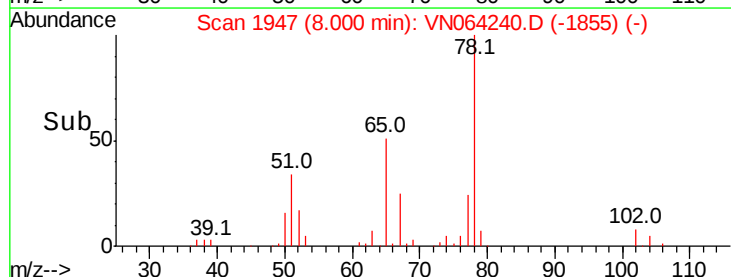
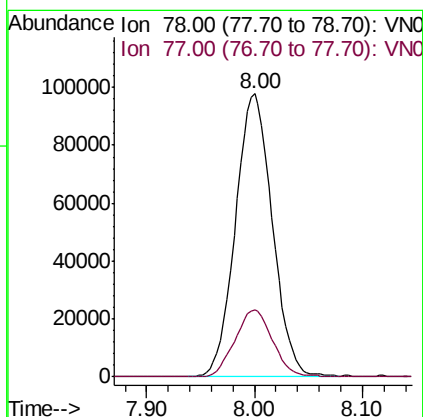
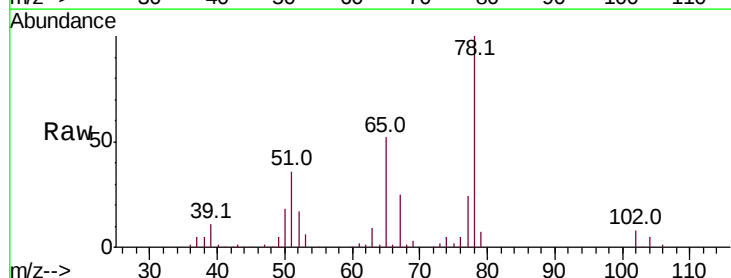
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

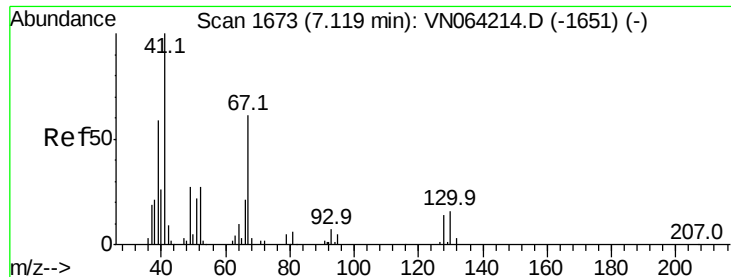
Tot Ion: 83 Resp: 74779
Ion Ratio Lower Upper
83 100
55 81.0 62.2 93.2
98 45.1 35.9 53.9



#40
Benzene
Concen: 18.708 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 78 Resp: 232358
Ion Ratio Lower Upper
78 100
77 23.7 18.3 27.5

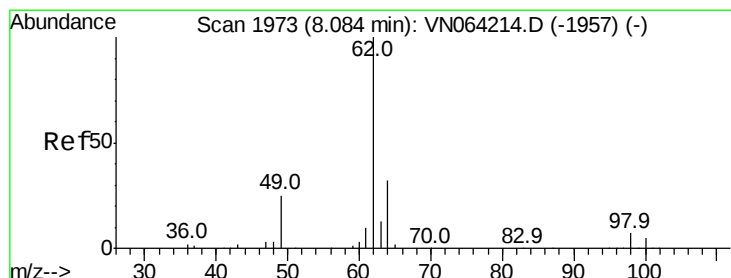
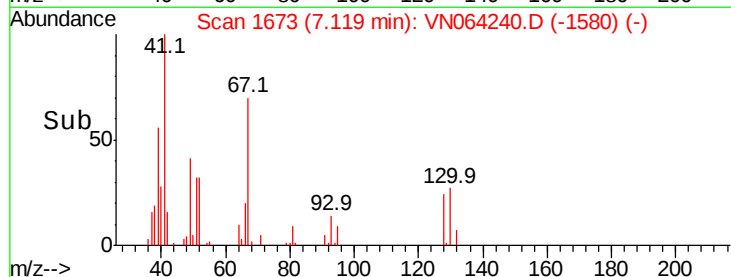
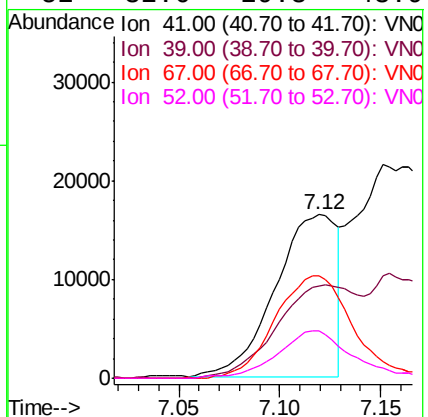
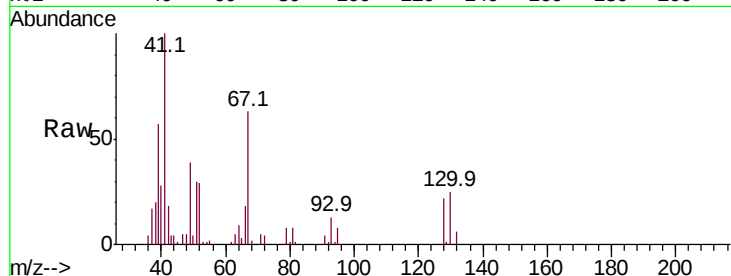




#41
Methacrylonitrile
Concen: 16.199 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

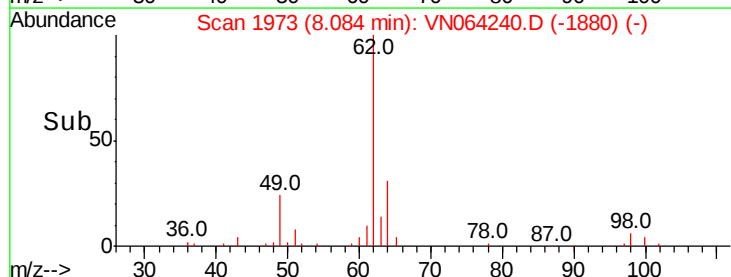
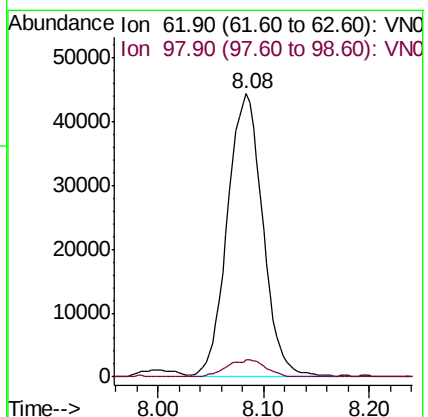
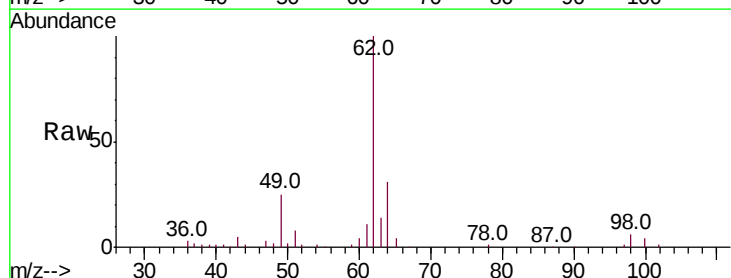
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

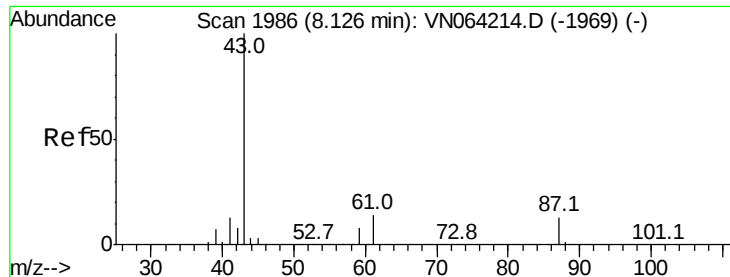
Tot Ion:	41	Resp:	34712
Ion	Ratio	Lower	Upper
41	100		
39	76.4	50.5	75.7#
67	80.2	63.2	94.8
52	32.6	29.3	43.9



#42
1,2-Dichloroethane
Concen: 19.389 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion:	62	Resp:	103160
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 18.514 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

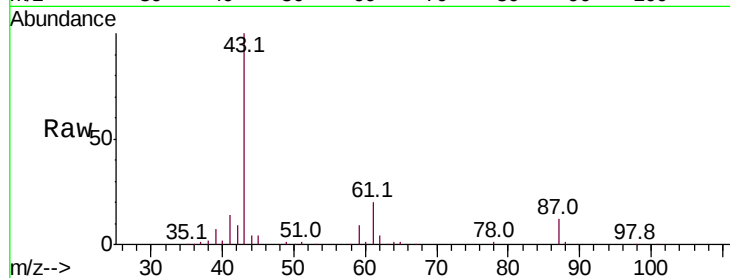
Tot Ion: 43 Resp: 140956

Ion Ratio Lower Upper

43 100

61 25.6 19.6 29.4

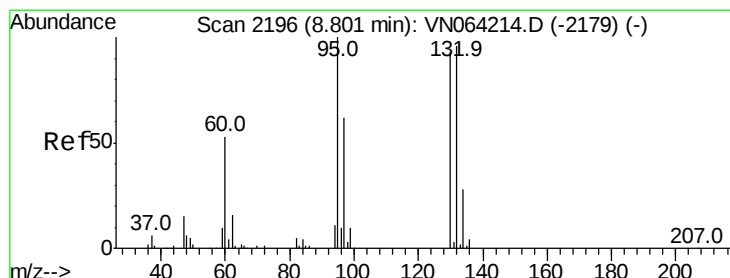
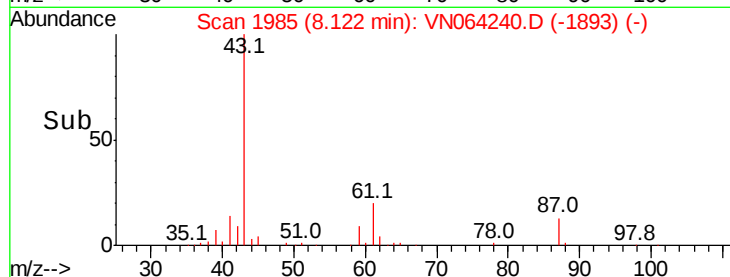
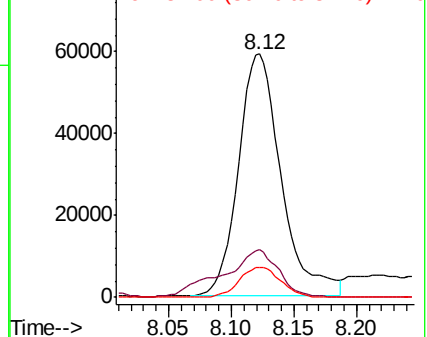
87 11.9 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1969) (-)

80000 Ion 61.00 (60.70 to 61.70): VN064214.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN064214.D (-1969) (-)



#44

Trichloroethene

Concen: 19.492 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064240.D

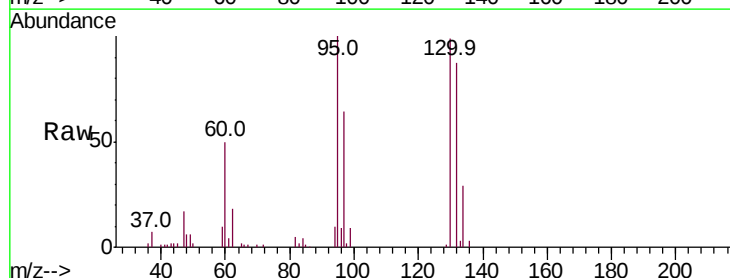
Acq: 22 Oct 2020 1:54

Tgt Ion:130 Resp: 65972

Ion Ratio Lower Upper

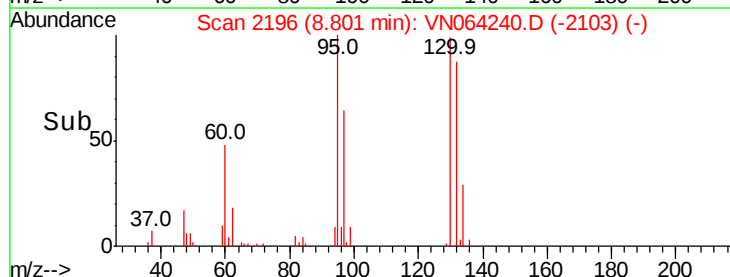
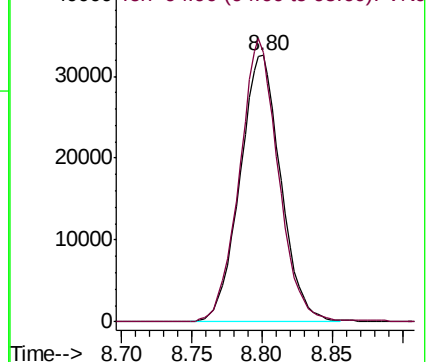
130 100

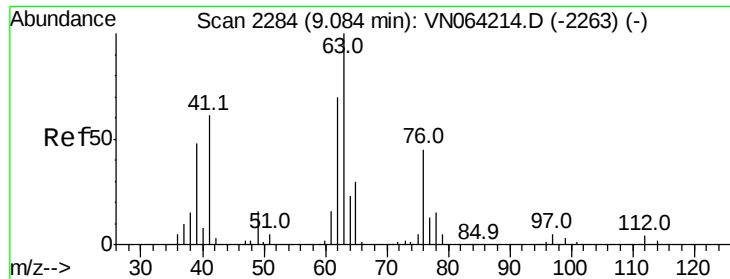
95 101.3 0.0 214.0



Abundance Ion 129.80 (129.50 to 130.50): VN064214.D (-2179) (-)

40000 Ion 94.90 (94.60 to 95.60): VN064214.D (-2179) (-)

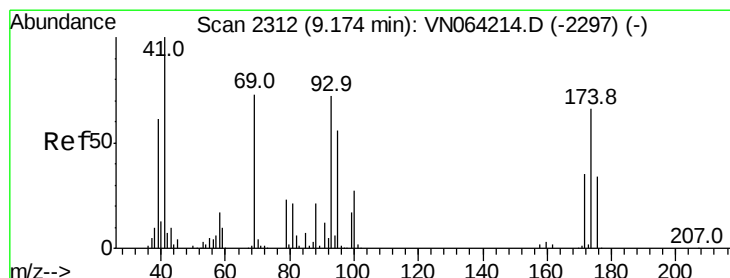
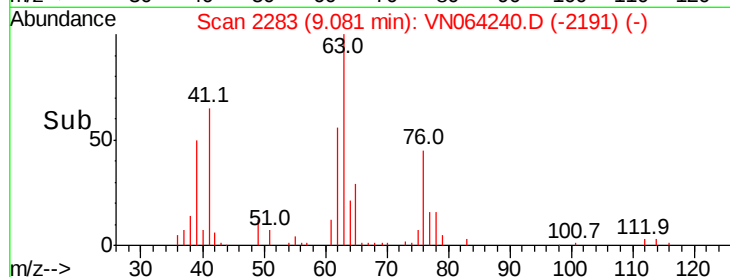
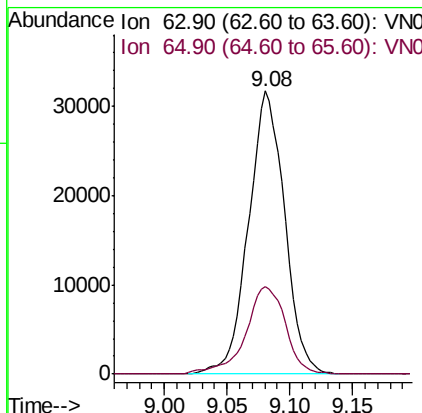
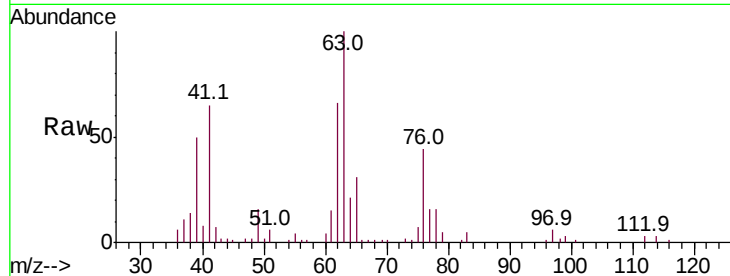




#45
 1,2-Dichloropropane
 Concen: 19.177 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

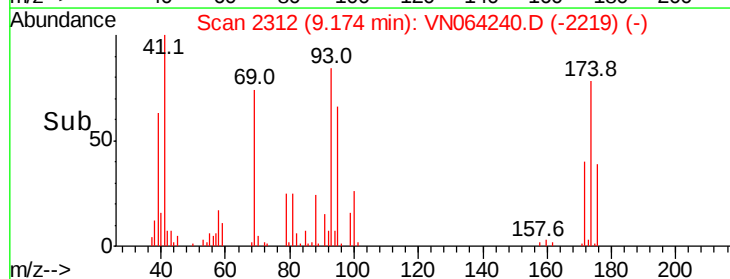
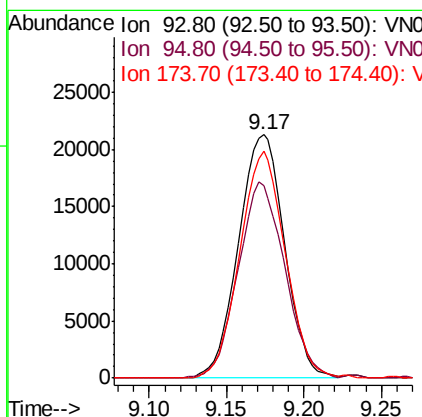
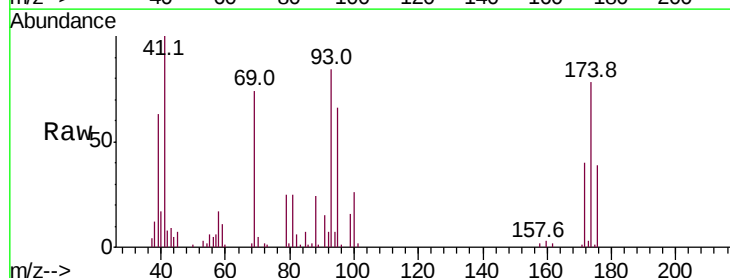
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

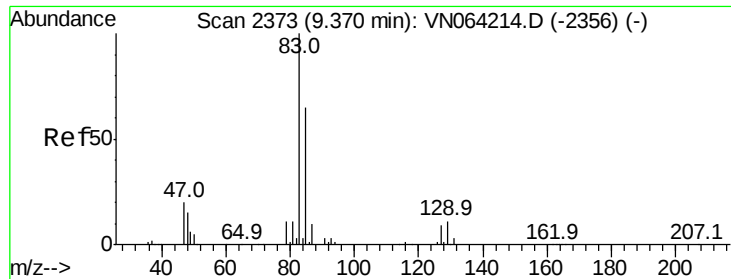
Tot Ion: 63 Resp: 63585
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.0 36.0



#46
 Dibromomethane
 Concen: 19.844 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion: 93 Resp: 44181
 Ion Ratio Lower Upper
 93 100
 95 81.6 63.0 94.4
 174 91.7 72.9 109.3





#47

Bromodichloromethane

Concen: 19.278 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

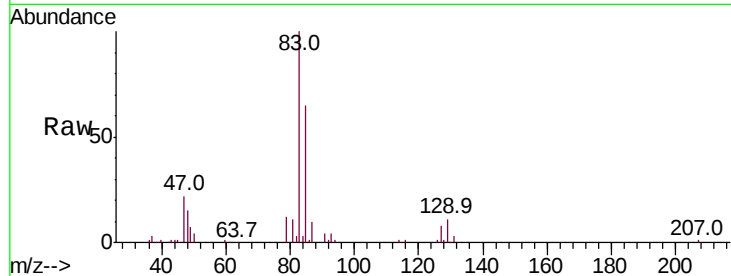
Tot Ion: 83 Resp: 94823

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.8

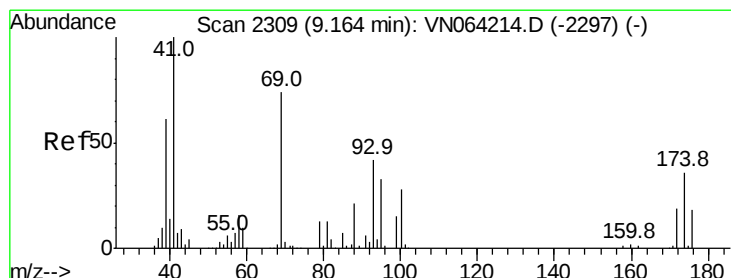
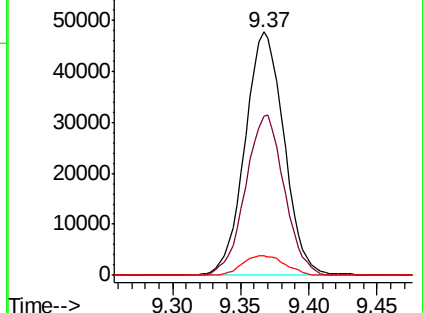
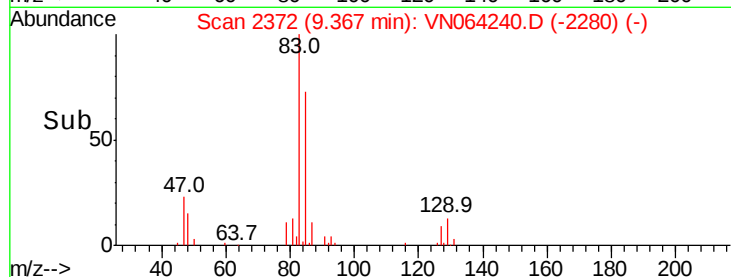
127 7.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.126 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

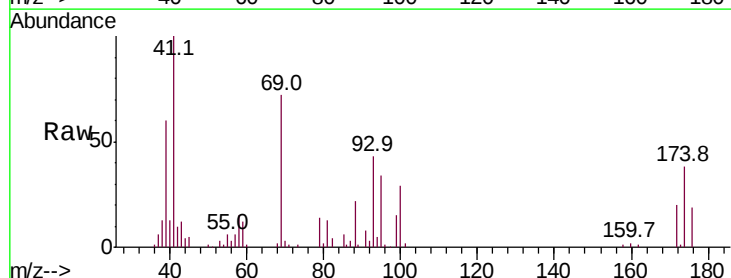
Tgt Ion: 41 Resp: 68112

Ion Ratio Lower Upper

41 100

69 73.7 57.3 85.9

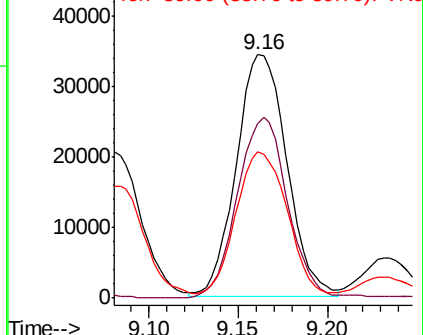
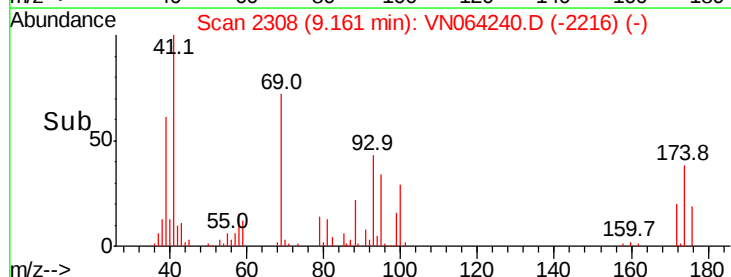
39 61.8 48.6 73.0

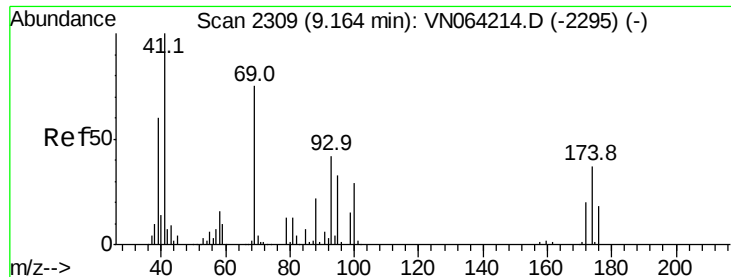


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

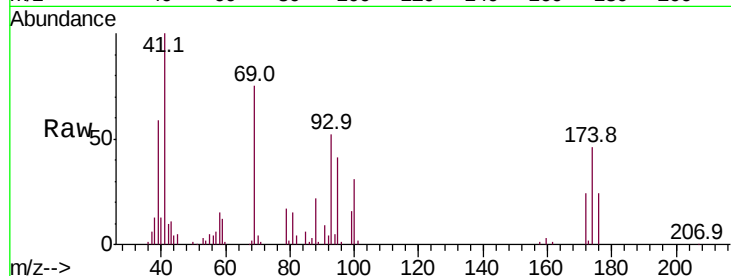




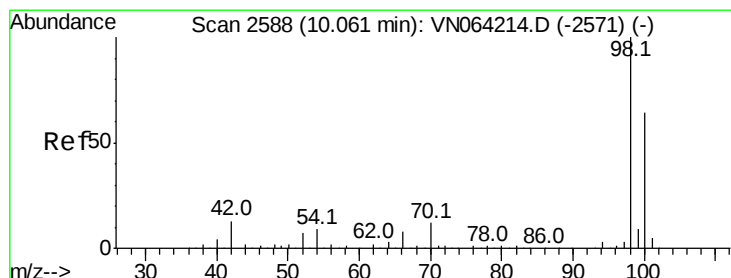
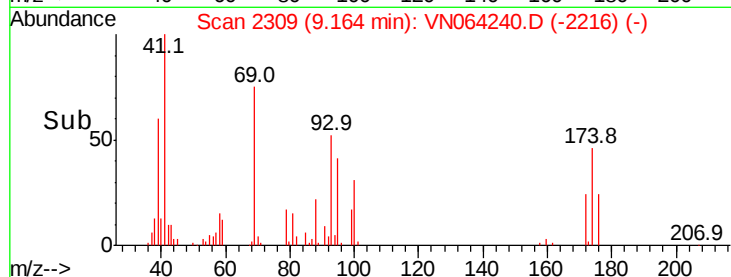
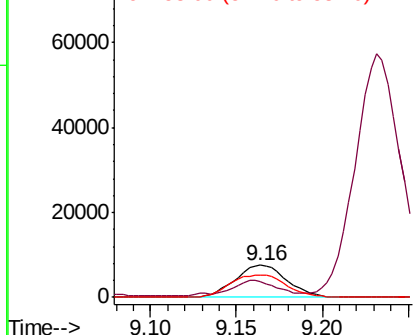
#49
1,4-Dioxane
Concen: 337.026 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

Tot Ion: 88 Resp: 15683
Ion Ratio Lower Upper
88 100
43 30.6 34.6 52.0#
58 75.4 59.0 88.6

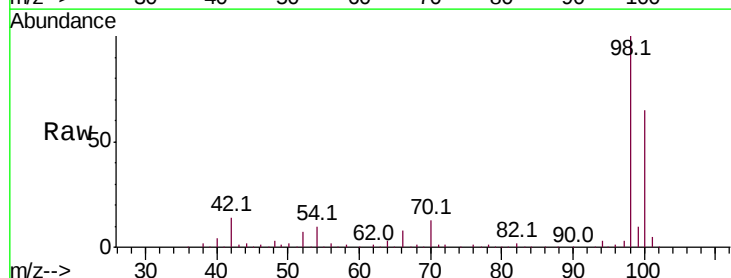


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

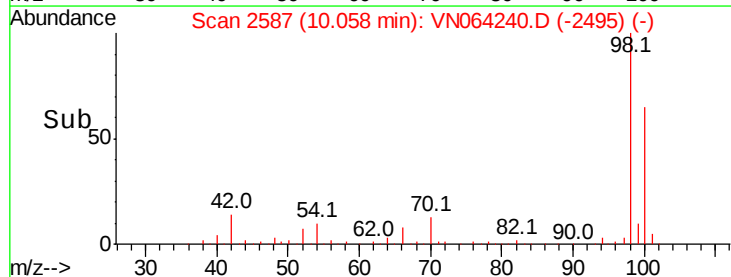
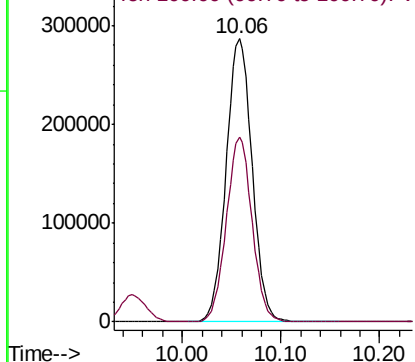


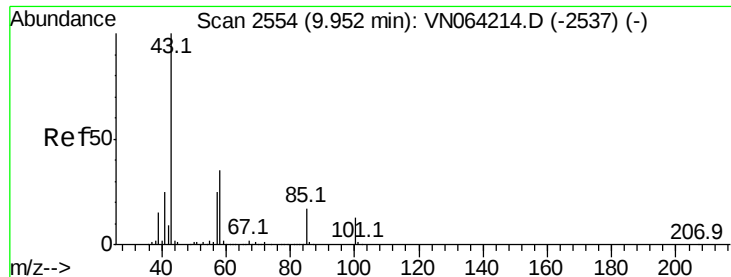
#50
Toluene-d8
Concen: 48.751 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 98 Resp: 530634
Ion Ratio Lower Upper
98 100
100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

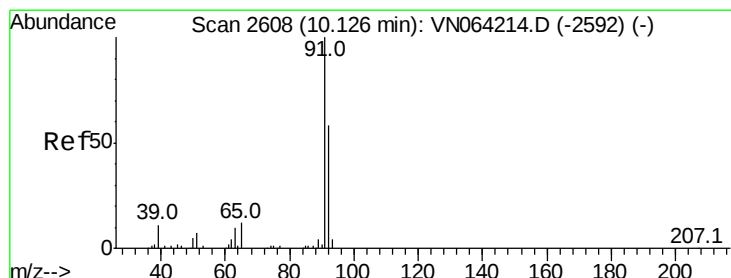
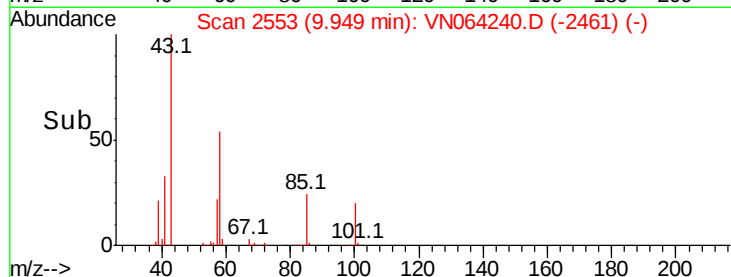
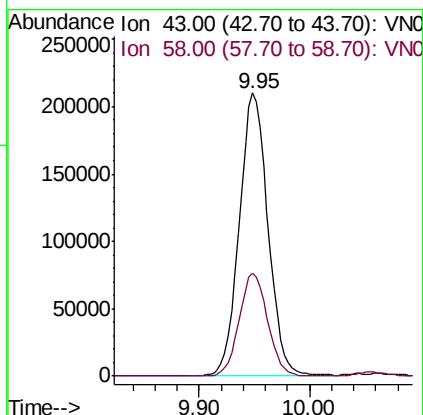
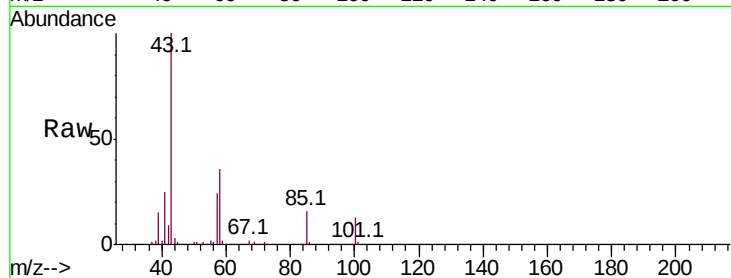




#51
 4-Methyl-2-Pentanone
 Concen: 92.169 ug/l
 RT: 9.95 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

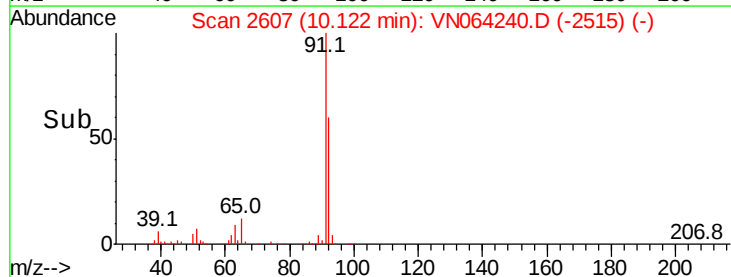
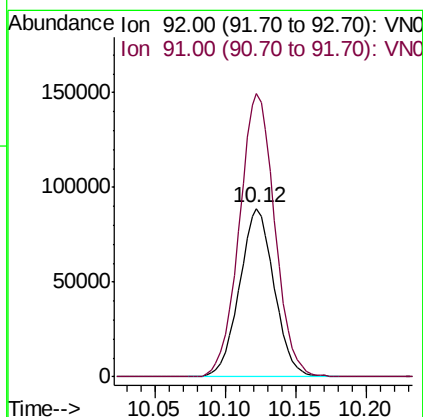
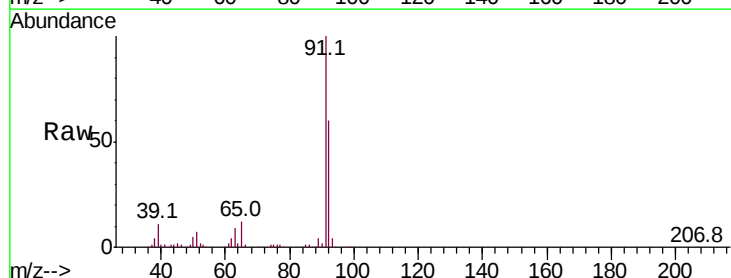
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

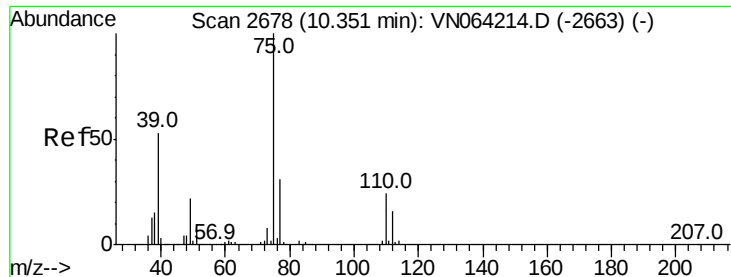
Tot Ion: 43 Resp: 375032
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.6 42.8



#52
 Toluene
 Concen: 19.262 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion: 92 Resp: 153081
 Ion Ratio Lower Upper
 92 100
 91 172.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.406 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

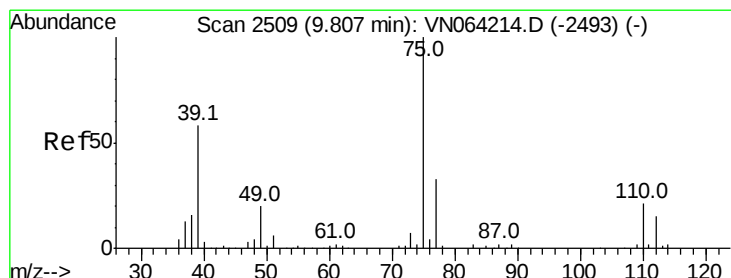
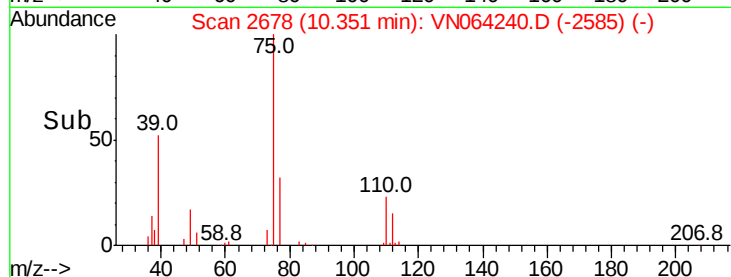
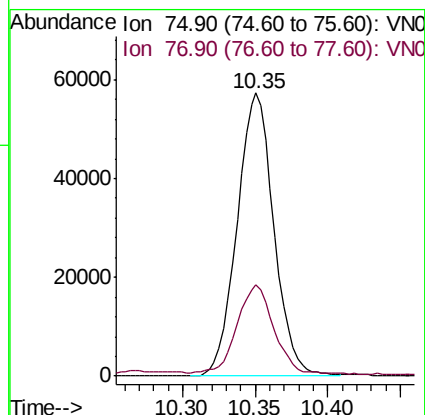
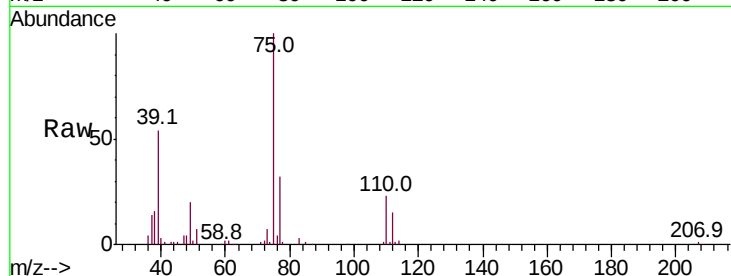
VN1021WBSD02

Tot Ion: 75 Resp: 100574

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 18.206 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

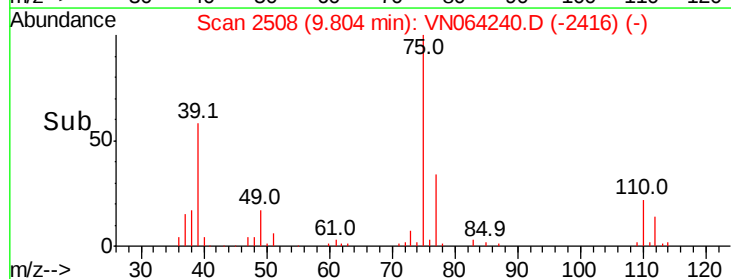
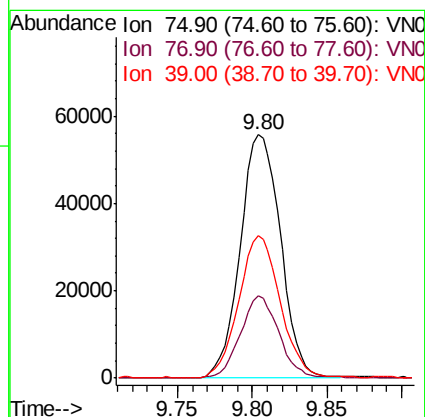
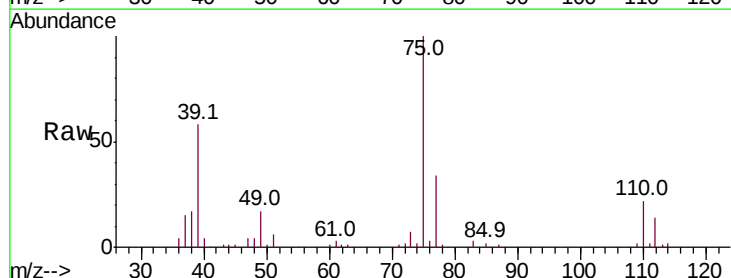
Tgt Ion: 75 Resp: 104744

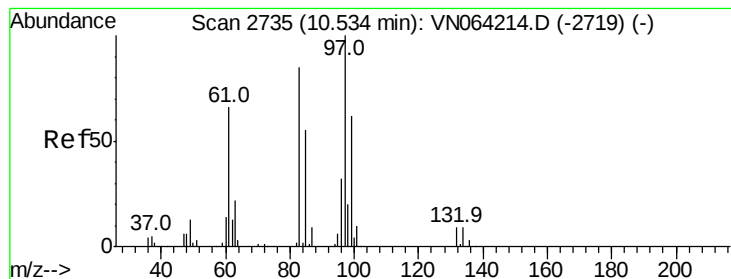
Ion Ratio Lower Upper

75 100

77 33.9 26.6 39.8

39 58.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 19.499 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

Tot Ion: 97 Resp: 58526

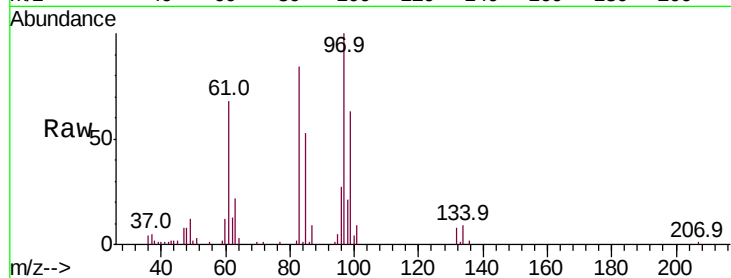
Ion Ratio Lower Upper

97 100

83 84.0 67.8 101.6

85 53.2 43.6 65.4

99 62.6 49.9 74.9

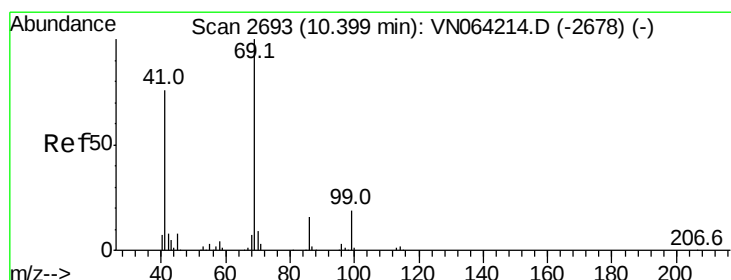
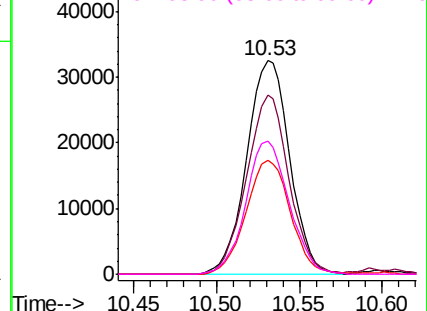
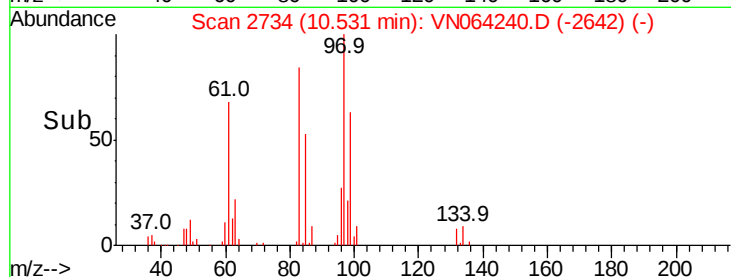


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56

Ethyl methacrylate

Concen: 18.933 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

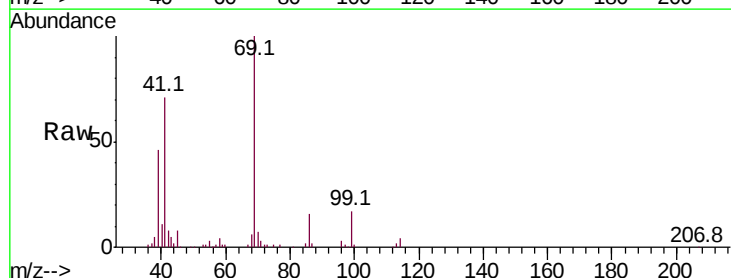
Tgt Ion: 69 Resp: 87870

Ion Ratio Lower Upper

69 100

41 73.5 61.4 92.2

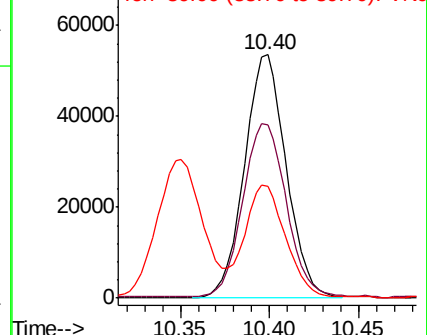
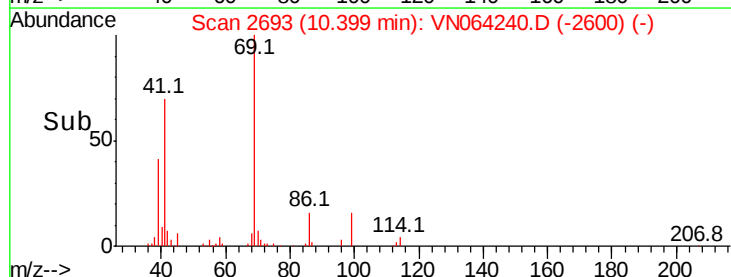
39 44.9 36.0 54.0

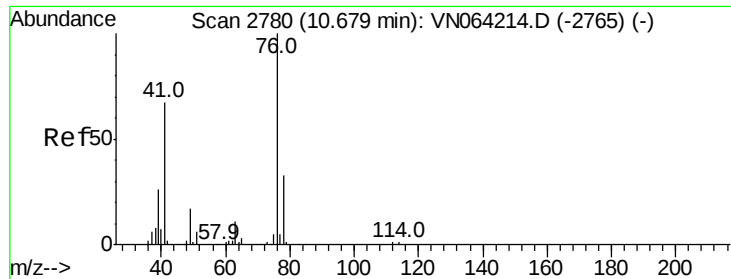


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 19.660 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

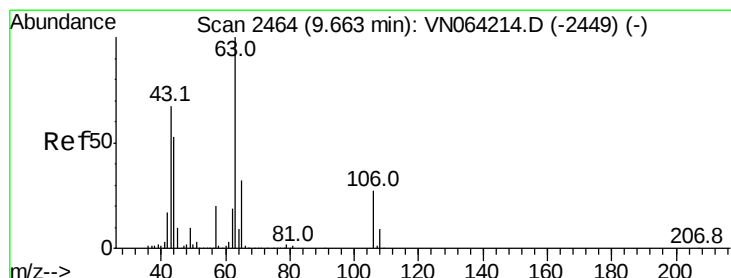
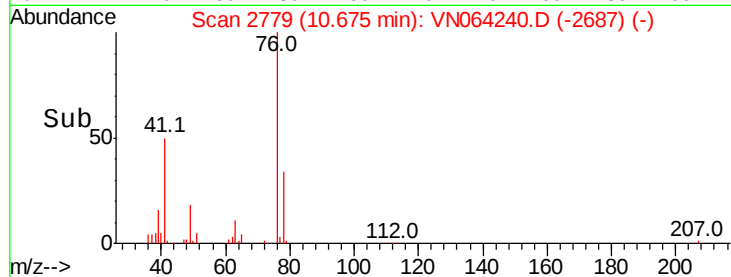
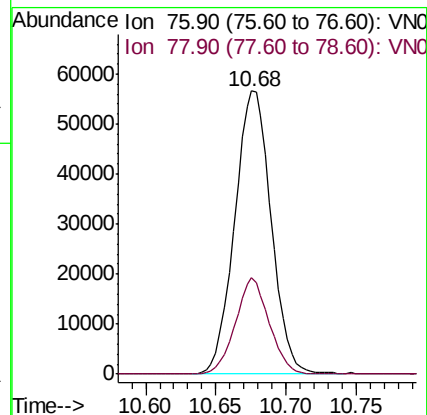
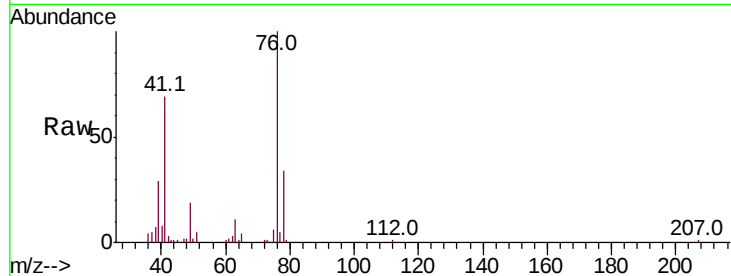
VN1021WBSD02

Tot Ion: 76 Resp: 102500

Ion Ratio Lower Upper

76 100

78 31.3 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 92.557 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064240.D

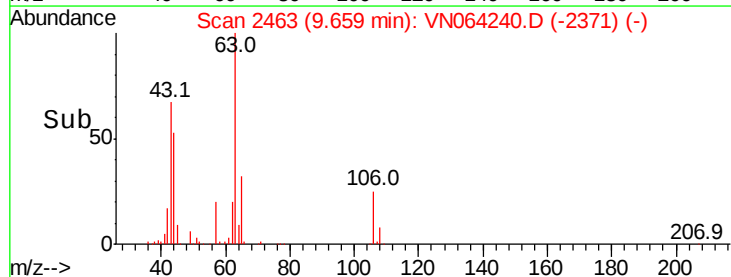
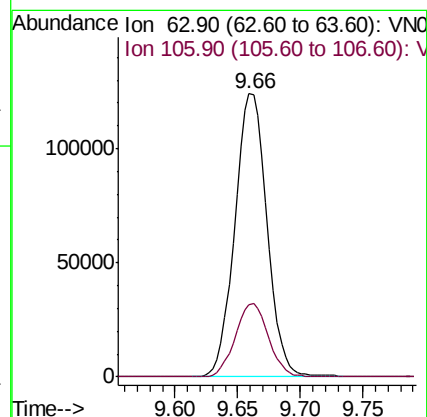
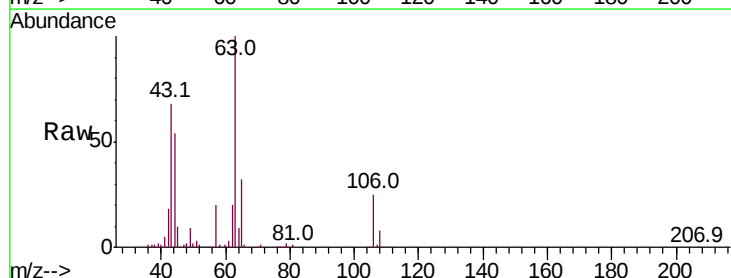
Acq: 22 Oct 2020 1:54

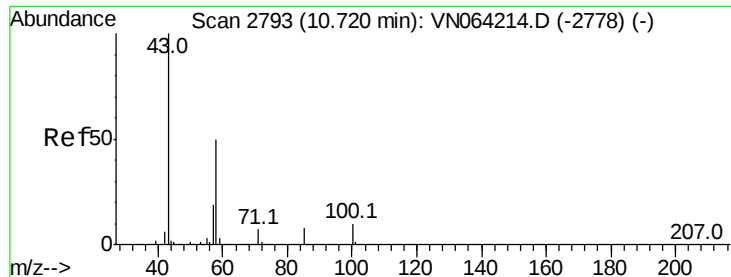
Tgt Ion: 63 Resp: 221195

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

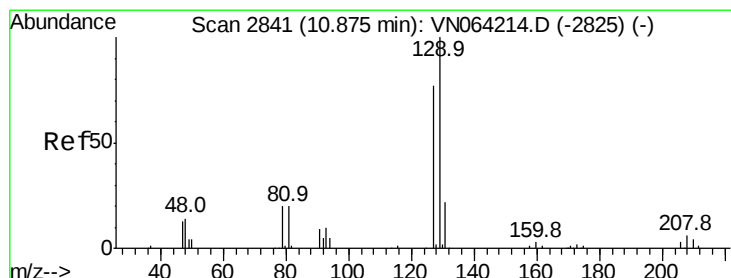
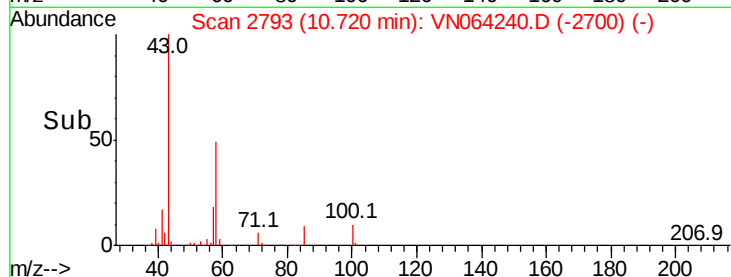
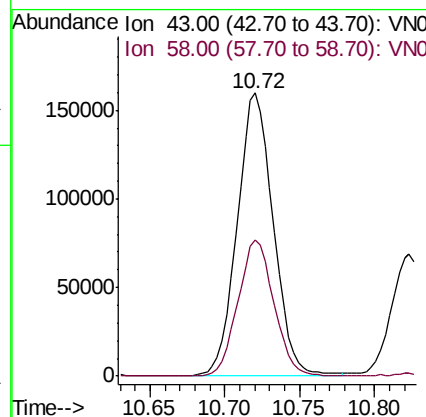
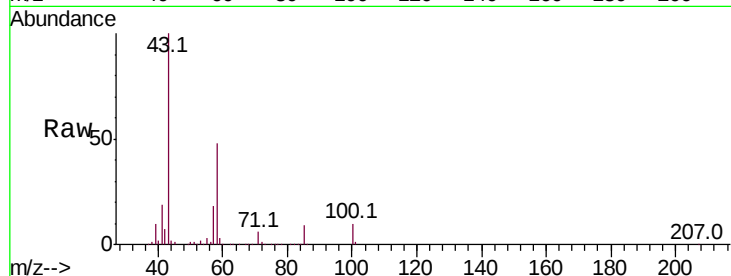




#59
2-Hexanone
Concen: 89.334 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

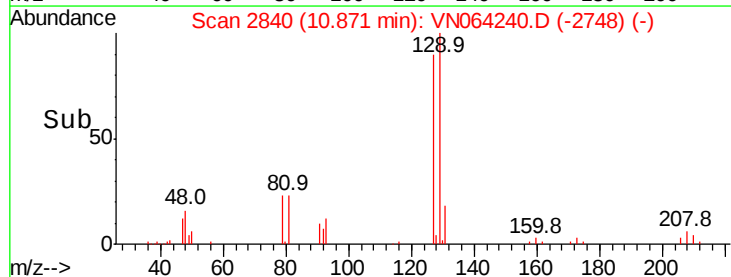
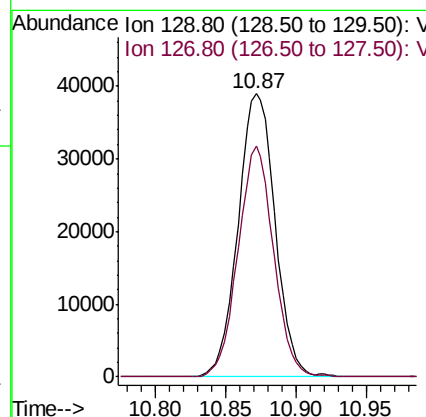
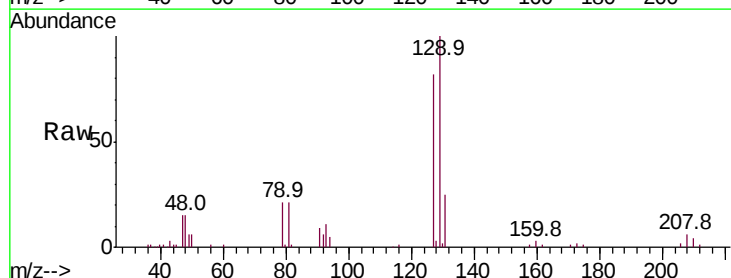
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

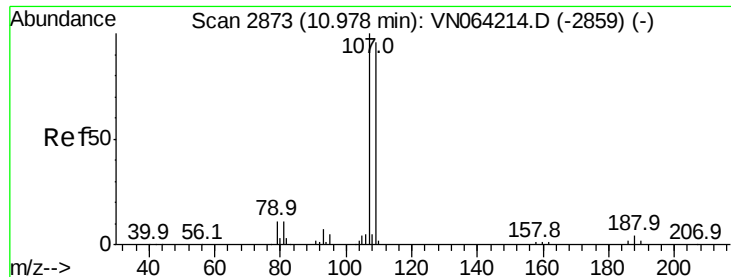
Tot Ion: 43 Resp: 265464
Ion Ratio Lower Upper
43 100
58 48.4 24.8 74.3



#60
Dibromochloromethane
Concen: 18.453 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 129 Resp: 71699
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.018 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

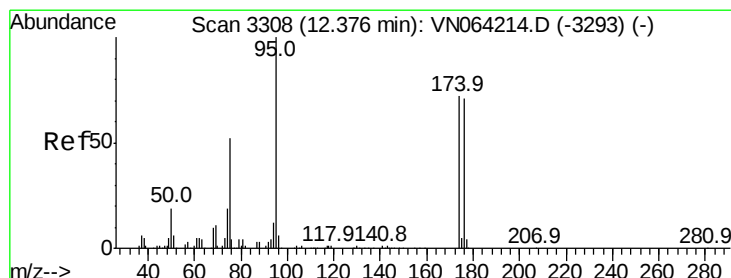
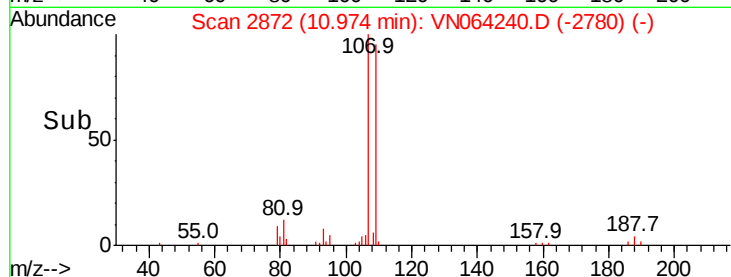
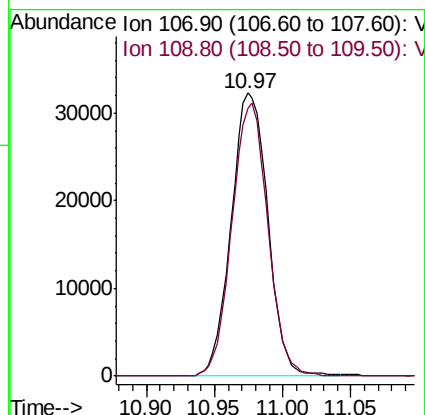
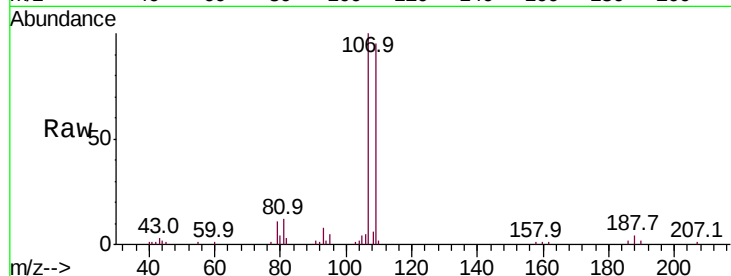
VN1021WBSD02

Tot Ion:107 Resp: 60235

Ion Ratio Lower Upper

107 100

109 94.5 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 48.252 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

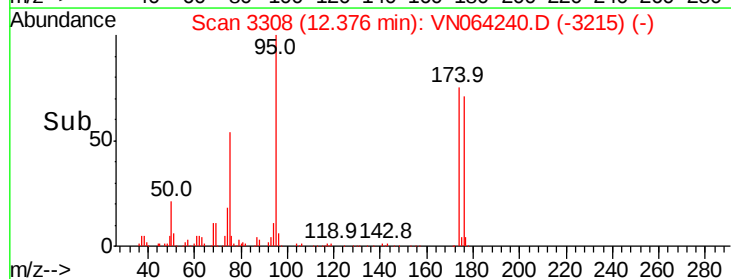
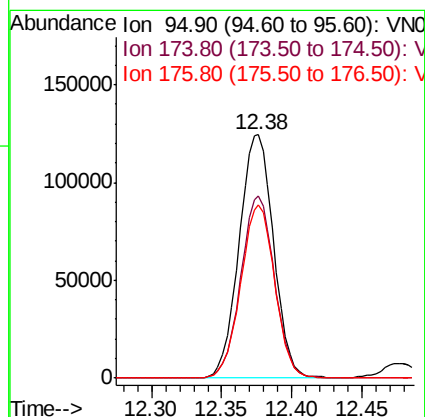
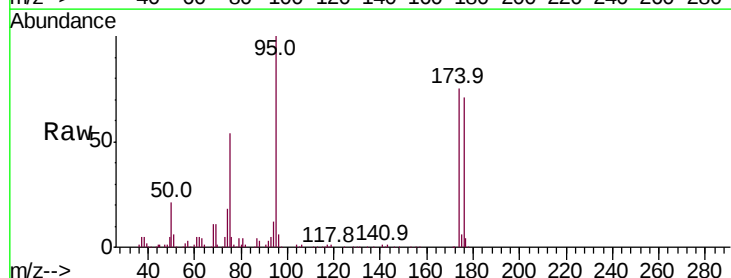
Tgt Ion: 95 Resp: 212909

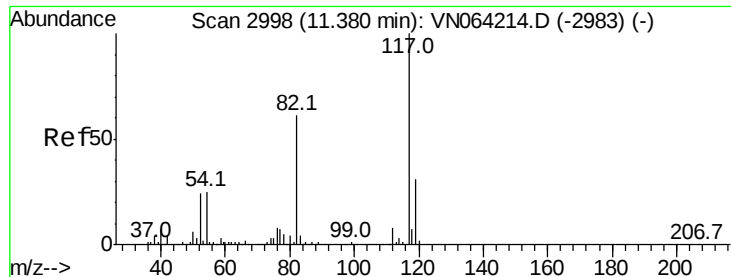
Ion Ratio Lower Upper

95 100

174 73.5 0.0 144.4

176 70.4 0.0 139.2

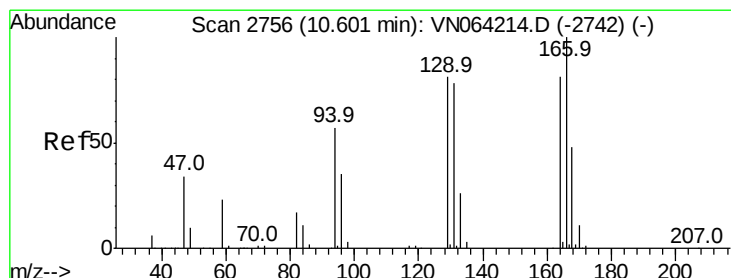
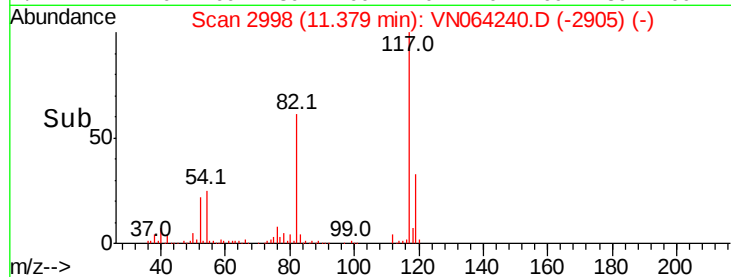
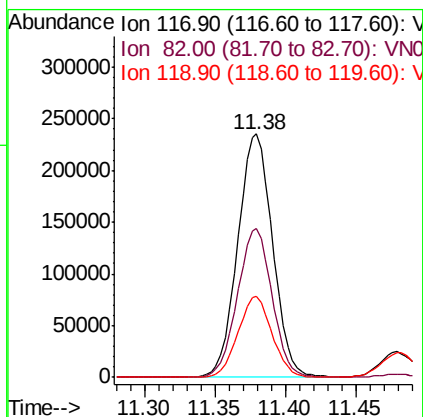
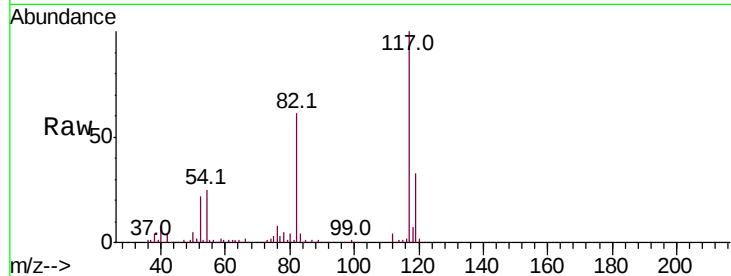




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

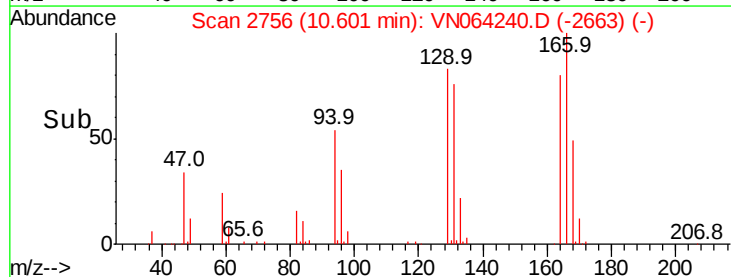
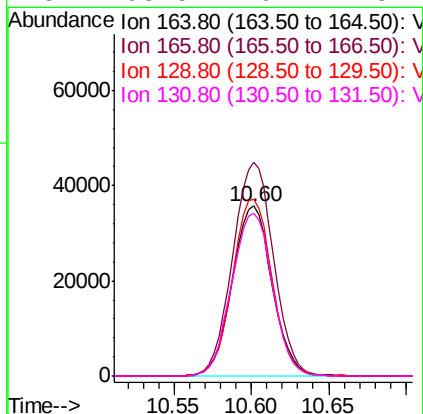
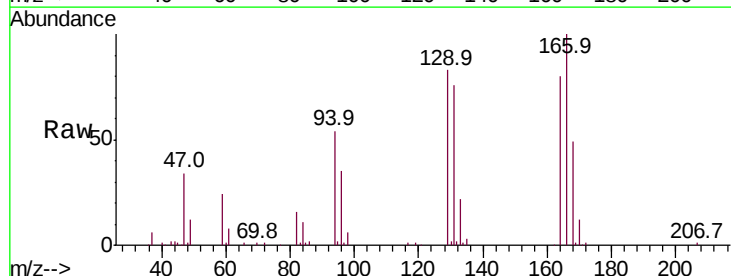
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

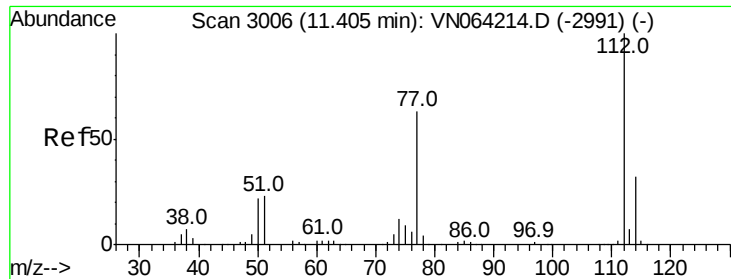
Tot Ion:117 Resp: 408493
Ion Ratio Lower Upper
117 100
82 61.3 48.8 73.2
119 33.3 24.7 37.1



#64
Tetrachloroethene
Concen: 19.380 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion:164 Resp: 63732
Ion Ratio Lower Upper
164 100
166 125.7 98.9 148.3
129 103.6 79.9 119.9
131 95.5 76.7 115.1

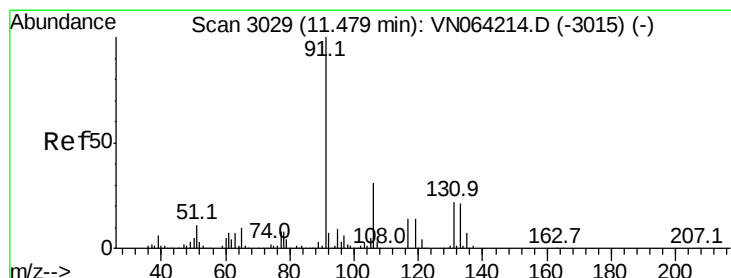
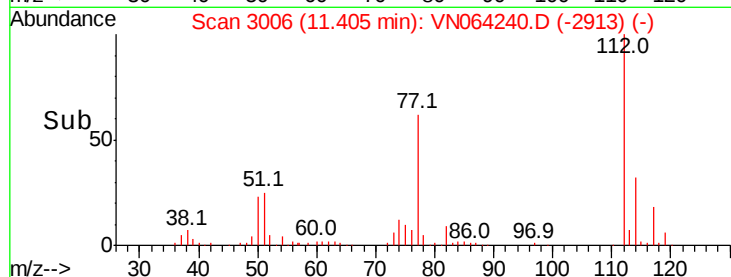
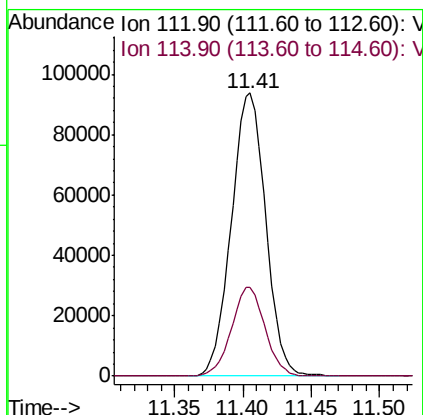
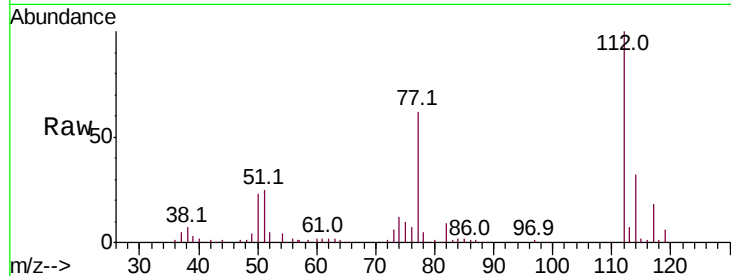




#65
Chlorobenzene
Concen: 19.405 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

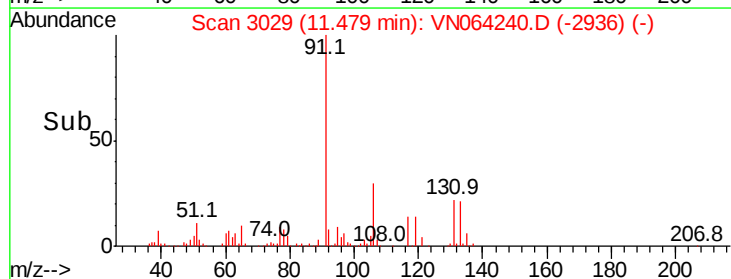
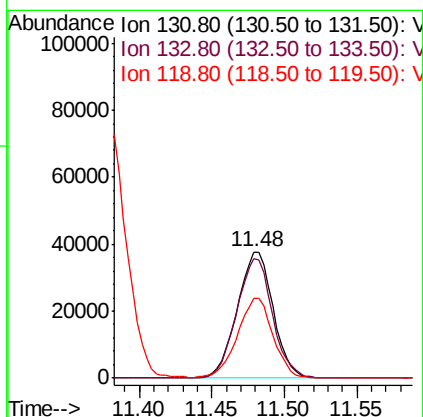
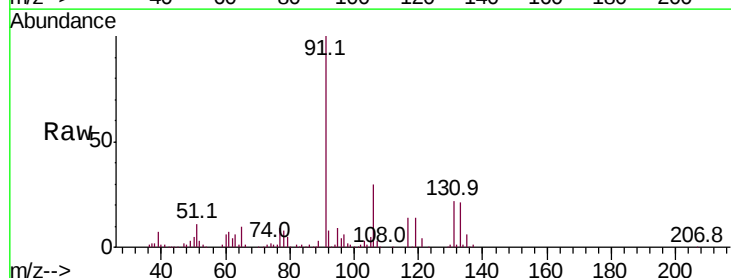
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

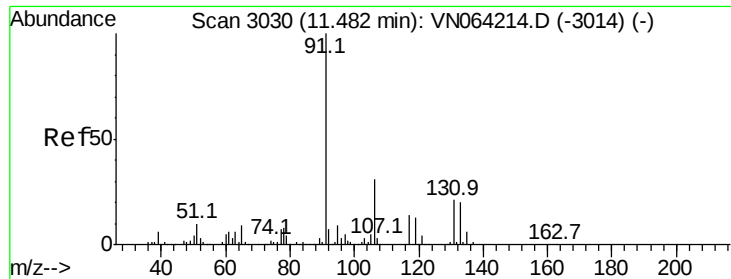
Tot Ion:112 Resp: 164077
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion:131 Resp: 65013
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.4
119 63.0 32.2 96.6

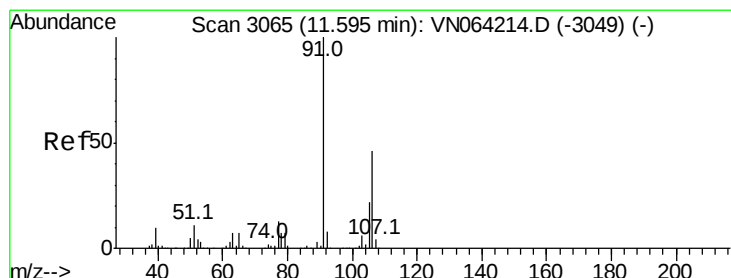
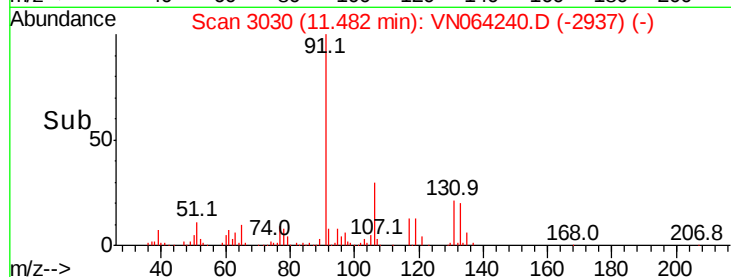
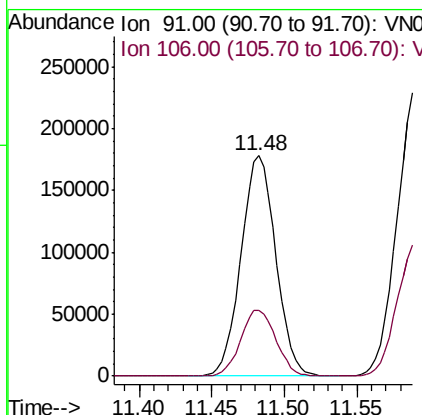
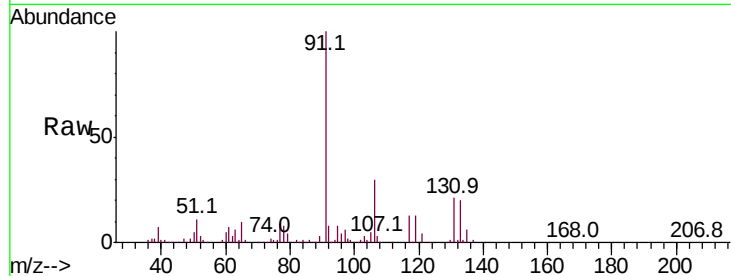




#67
Ethyl Benzene
Concen: 19.116 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

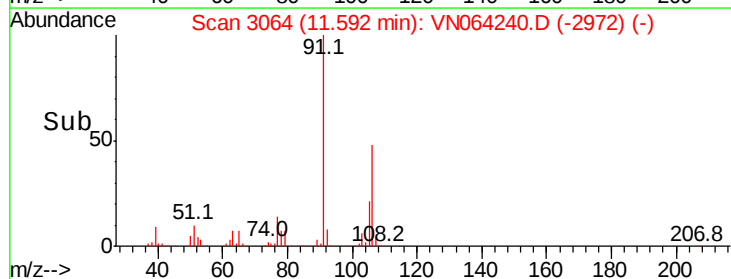
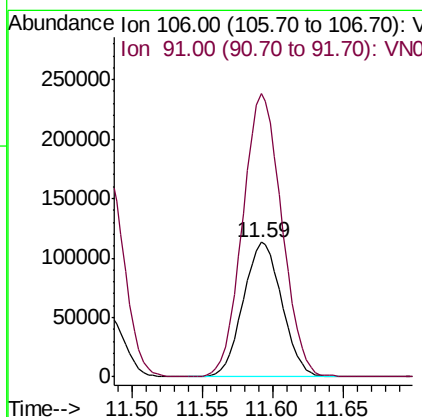
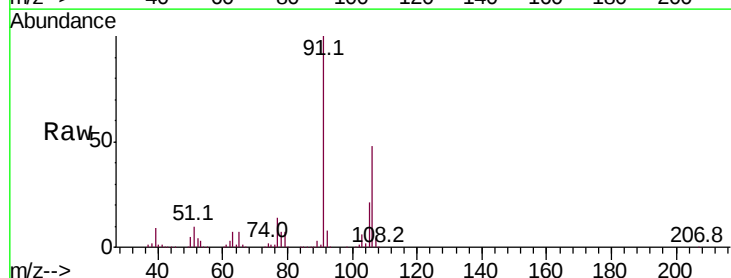
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

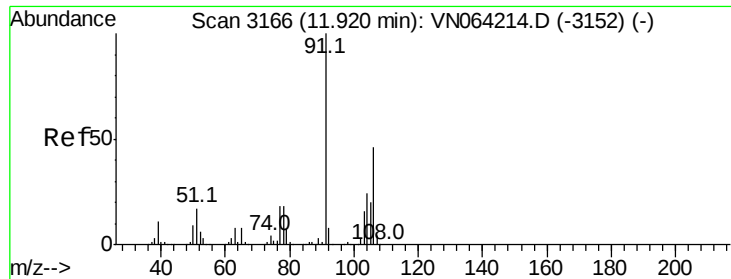
Tot Ion: 91 Resp: 297057
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2



#68
m/p-Xylenes
Concen: 37.836 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 106 Resp: 217840
Ion Ratio Lower Upper
106 100
91 212.3 172.2 258.2

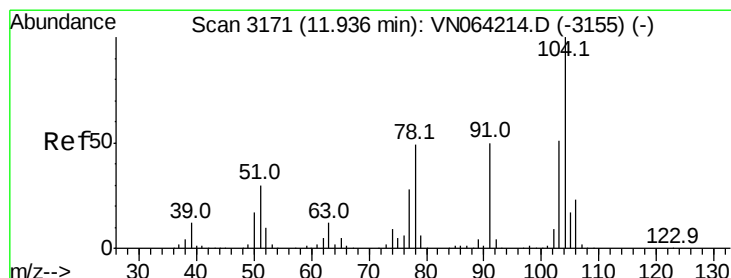
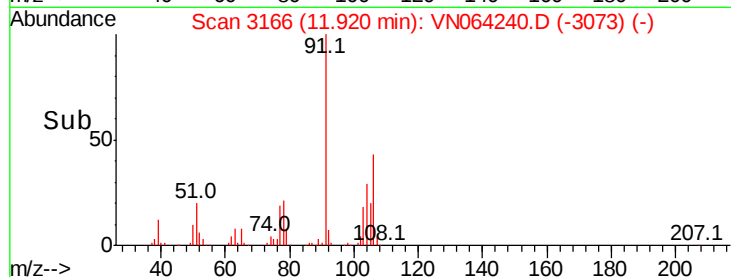
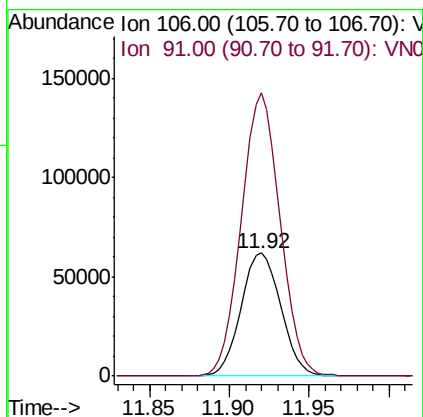
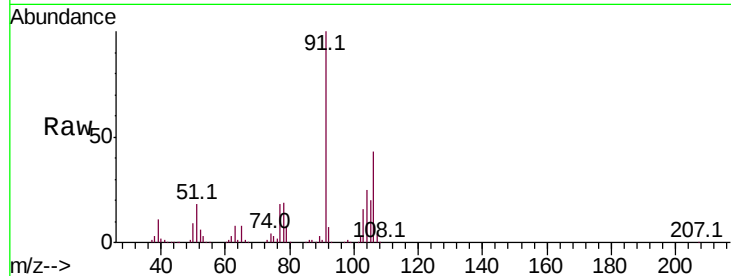




#69
o-Xylene
Concen: 18.876 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

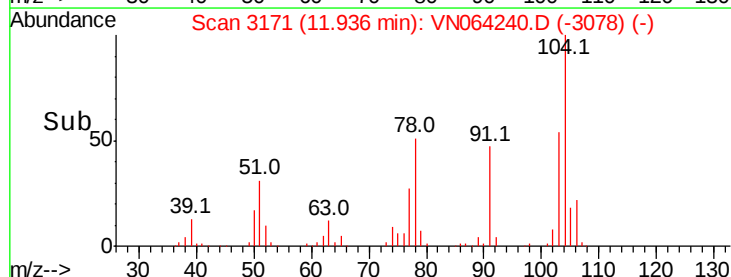
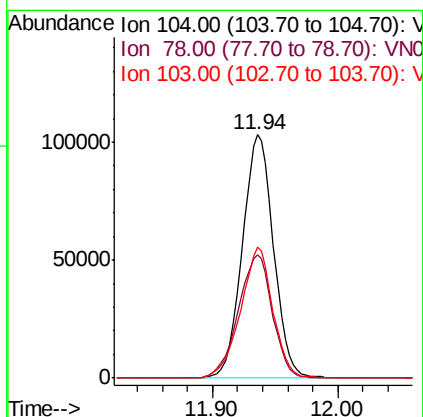
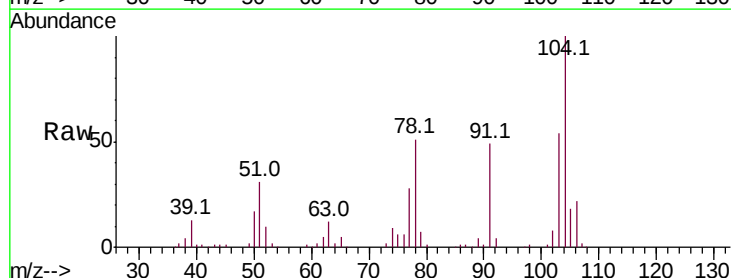
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

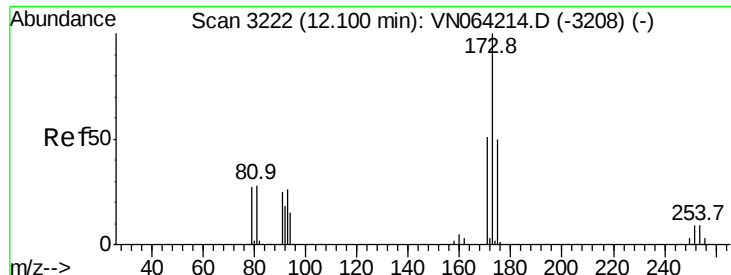
Tot Ion:106 Resp: 105104
Ion Ratio Lower Upper
106 100
91 224.4 109.9 329.6



#70
Styrene
Concen: 19.077 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion:104 Resp: 178059
Ion Ratio Lower Upper
104 100
78 55.4 43.8 65.6
103 55.6 43.4 65.2

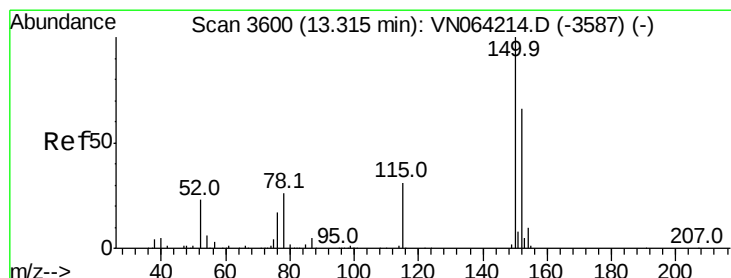
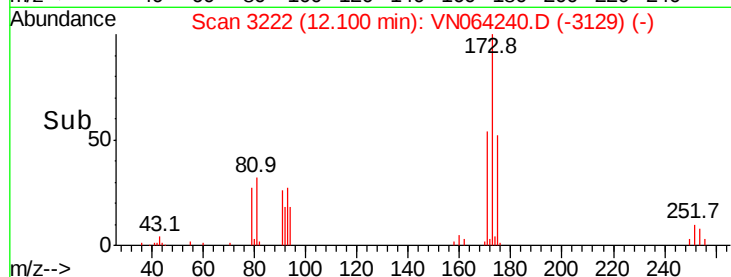
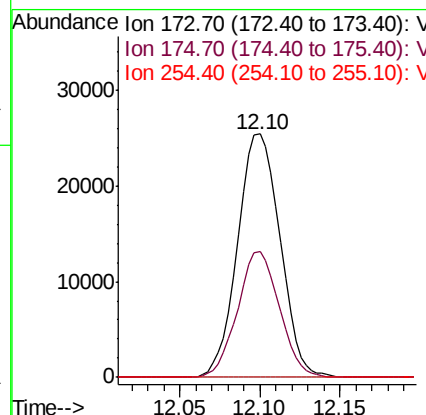
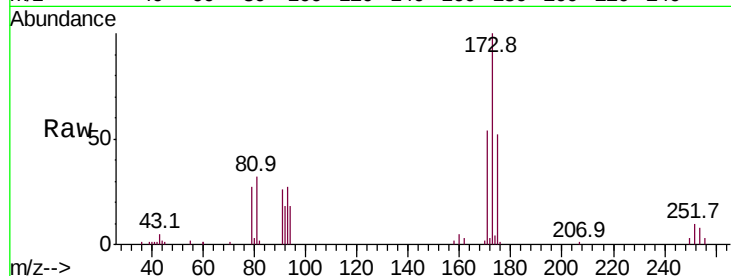




#71
Bromoform
Concen: 17.764 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

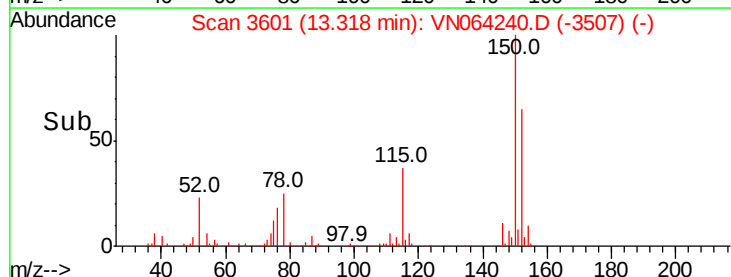
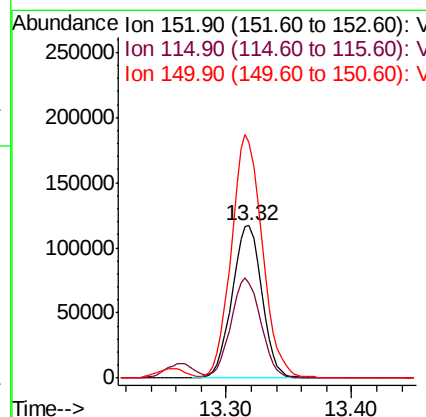
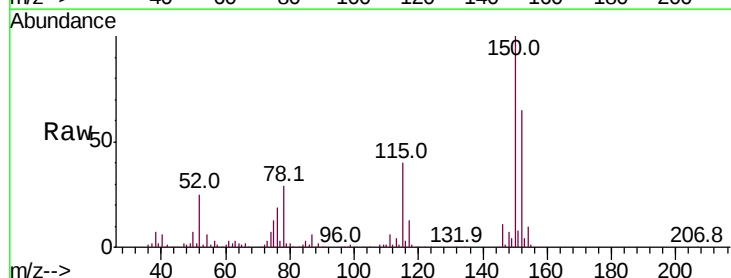
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

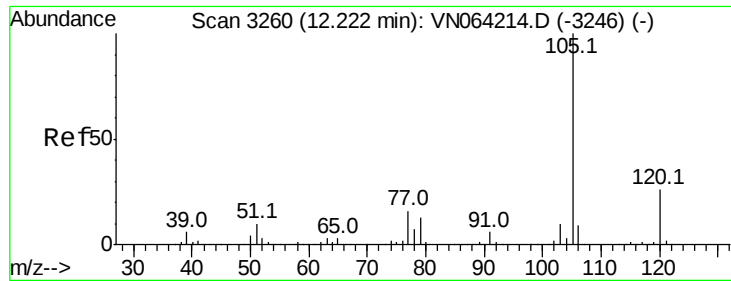
Tot Ion:173 Resp: 46057
Ion Ratio Lower Upper
173 100
175 50.7 25.1 75.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion:152 Resp: 194048
Ion Ratio Lower Upper
152 100
115 65.1 32.0 96.2
150 165.0 0.0 356.6





#73

Isopropylbenzene

Concen: 19.557 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

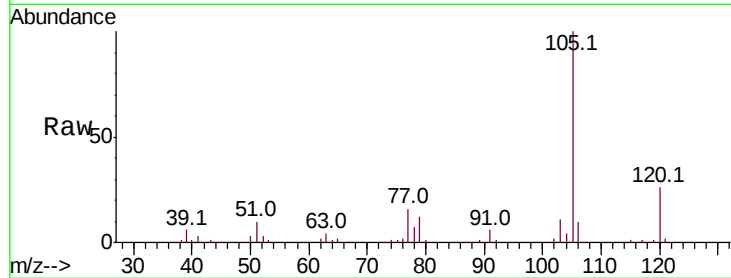
VN1021WBSD02

Tot Ion:105 Resp: 289445

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

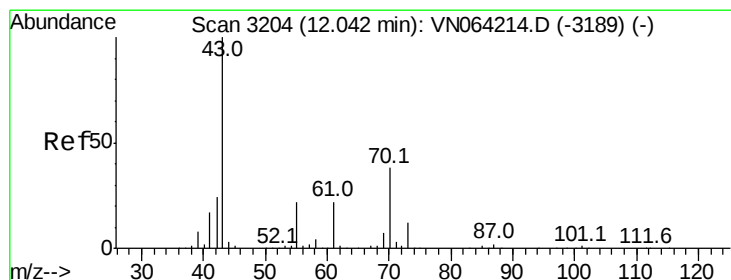
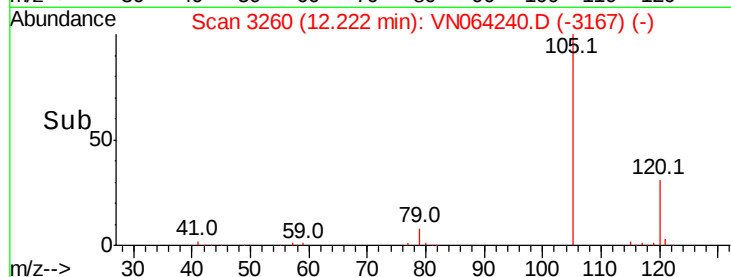
0

12.22

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 18.787 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Tgt Ion: 43 Resp: 120142

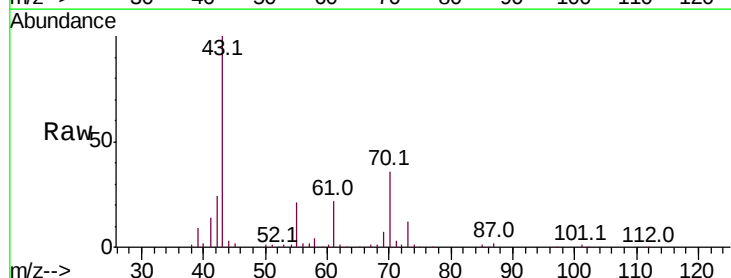
Ion Ratio Lower Upper

43 100

70 36.2 30.2 45.4

55 20.8 18.0 27.0

61 21.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

60000

40000

20000

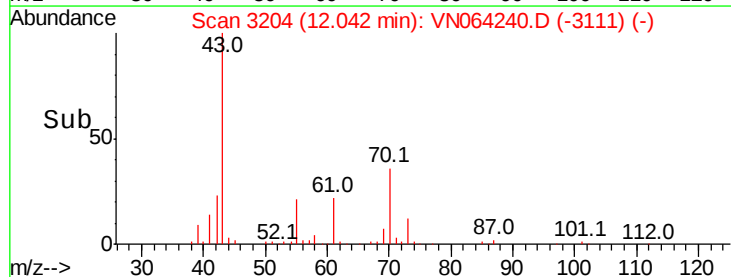
0

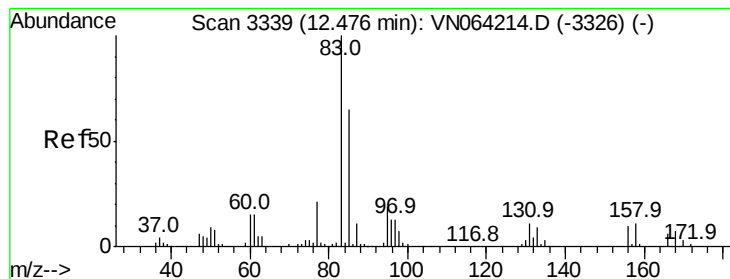
12.04

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.790 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

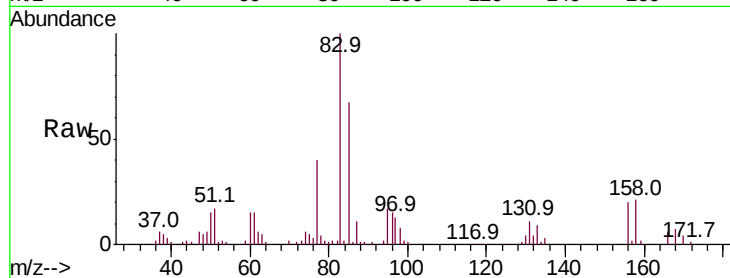
Tot Ion: 83 Resp: 73798

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.7

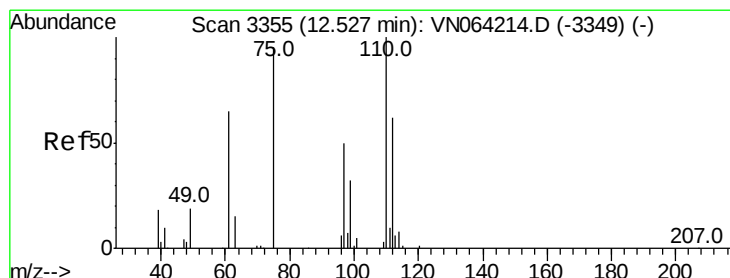
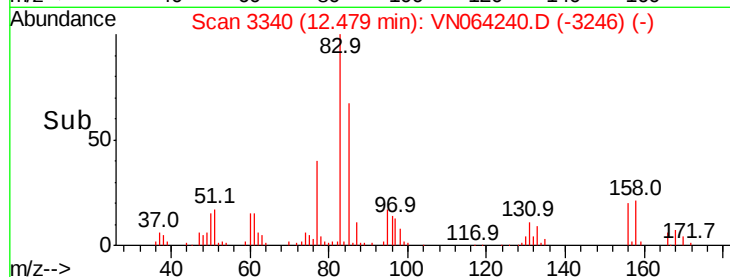
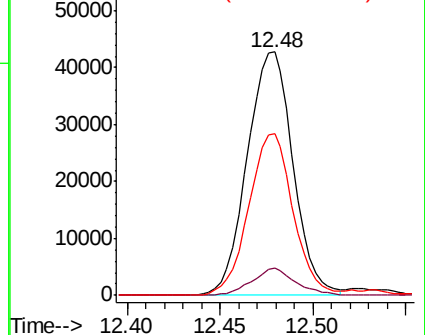
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 26.497 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064240.D

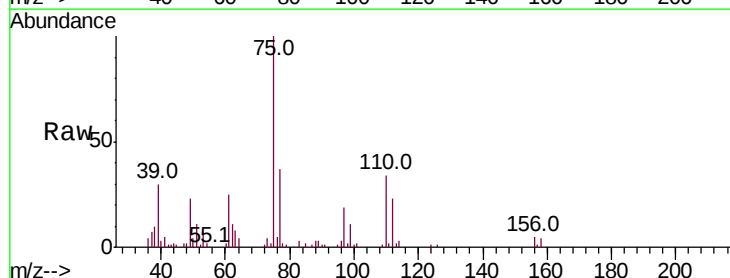
Acq: 22 Oct 2020 1:54

Tgt Ion: 75 Resp: 108394

Ion Ratio Lower Upper

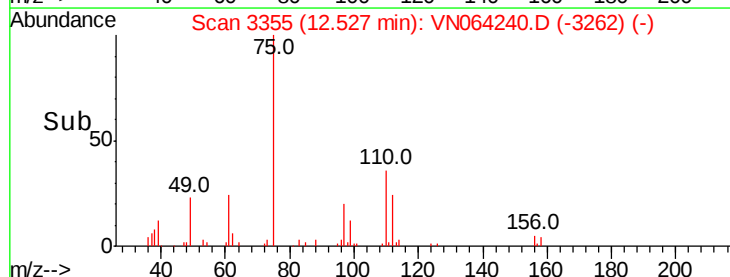
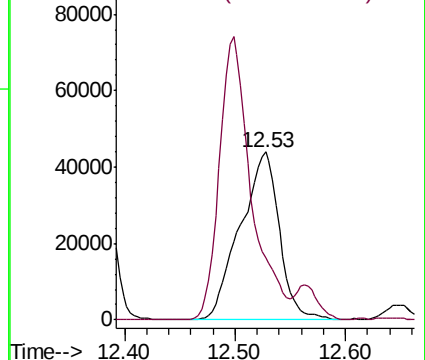
75 100

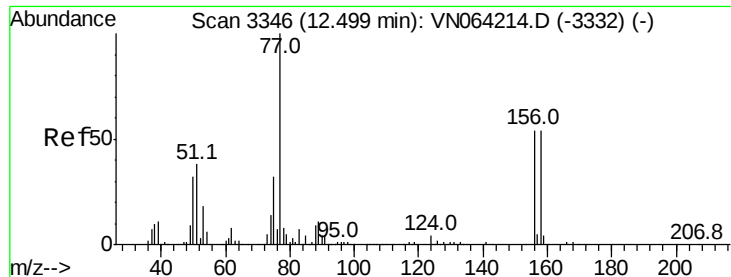
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.385 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

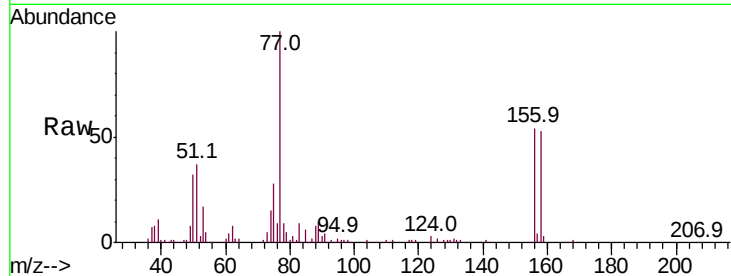
Tot Ion:156 Resp: 67730

Ion Ratio Lower Upper

156 100

77 219.0 111.1 333.4

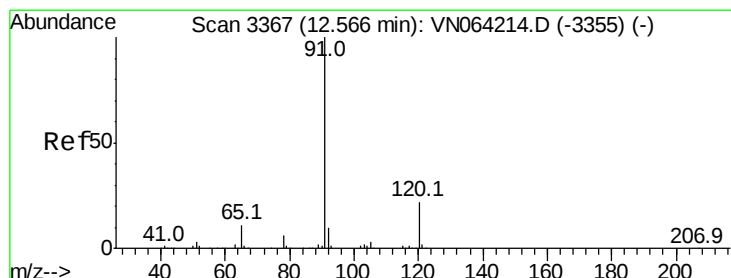
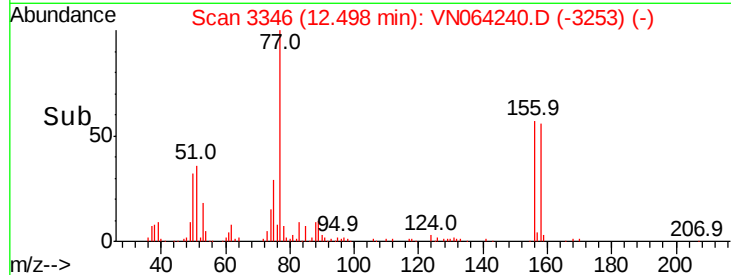
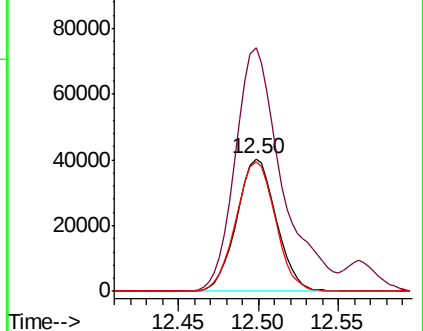
158 97.4 50.0 150.1



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: 18.703 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064240.D

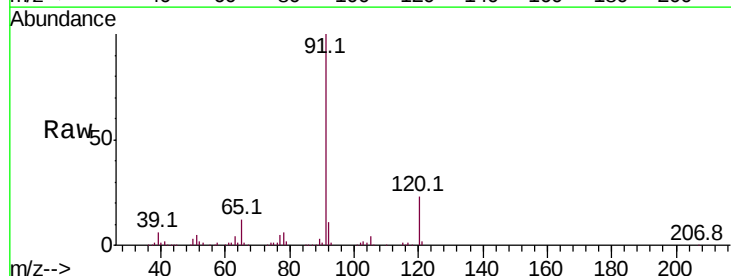
Acq: 22 Oct 2020 1:54

Tgt Ion: 91 Resp: 312101

Ion Ratio Lower Upper

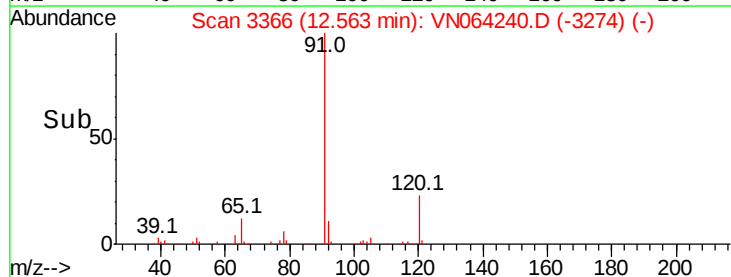
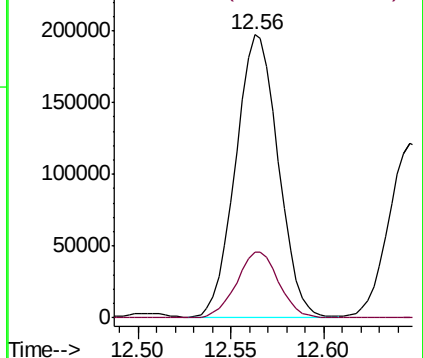
91 100

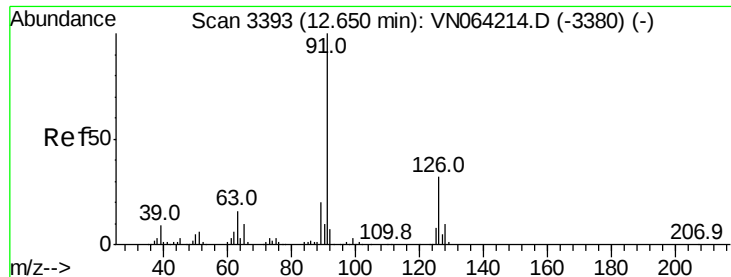
120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.473 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

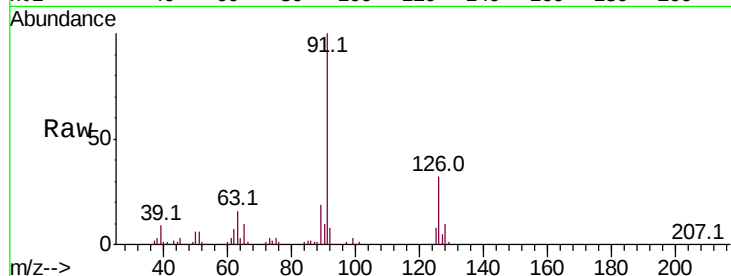
VN1021WBSD02

Tot Ion: 91 Resp: 199587

Ion Ratio Lower Upper

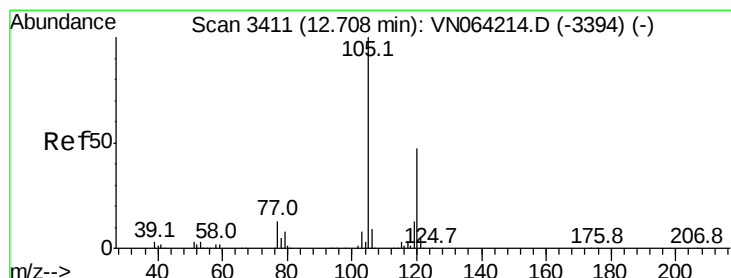
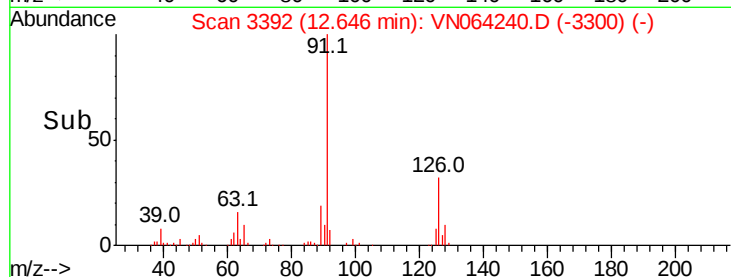
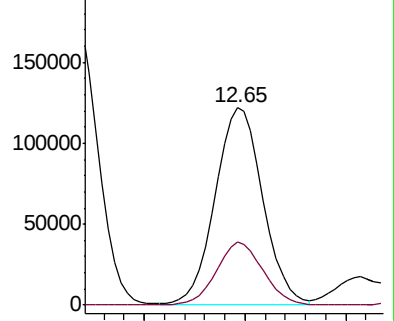
91 100

126 31.6 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.924 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064240.D

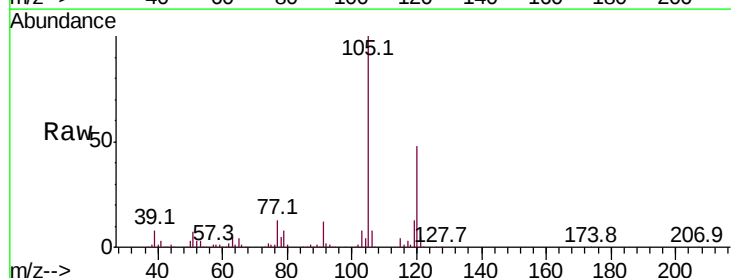
Acq: 22 Oct 2020 1:54

Tgt Ion: 105 Resp: 236776

Ion Ratio Lower Upper

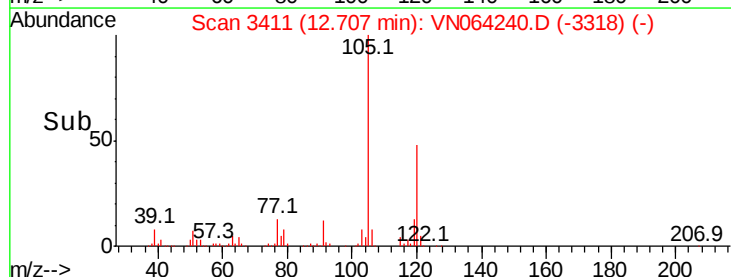
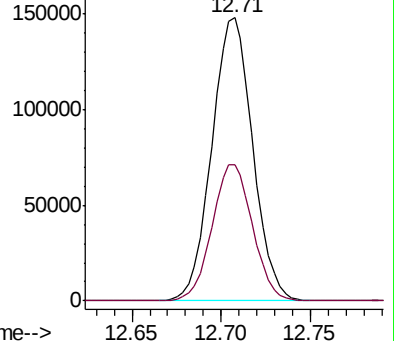
105 100

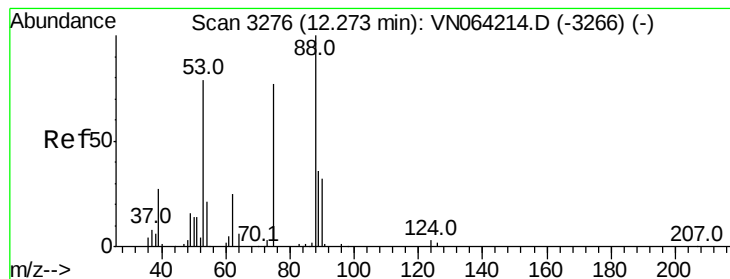
120 47.8 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN064214.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.897 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

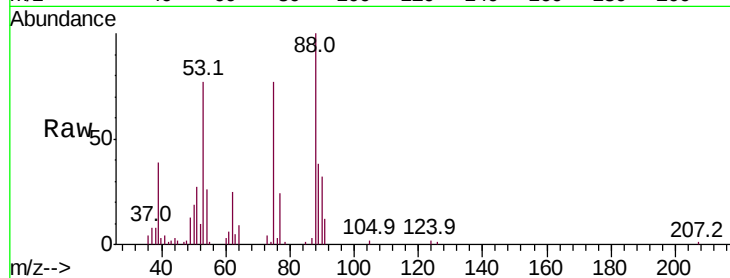
Tot Ion: 75 Resp: 25759

Ion Ratio Lower Upper

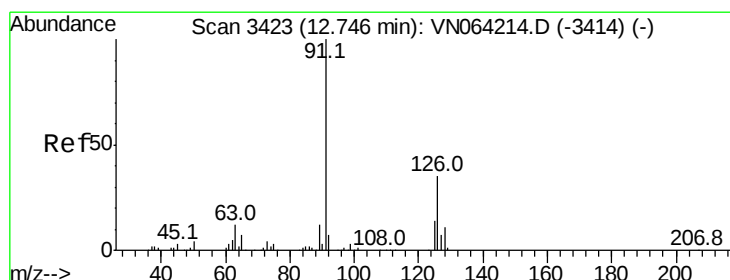
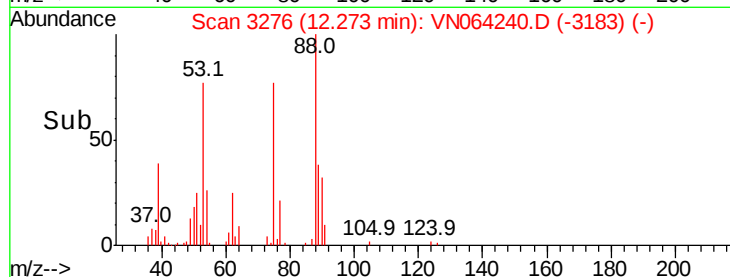
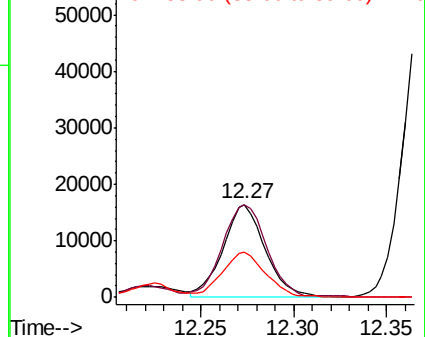
75 100

53 103.6 81.0 121.4

89 50.2 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.695 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064240.D

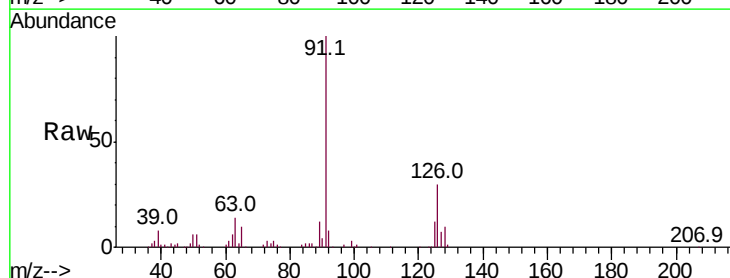
Acq: 22 Oct 2020 1:54

Tgt Ion: 91 Resp: 210565

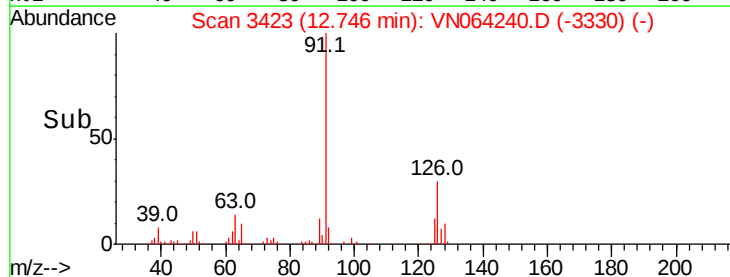
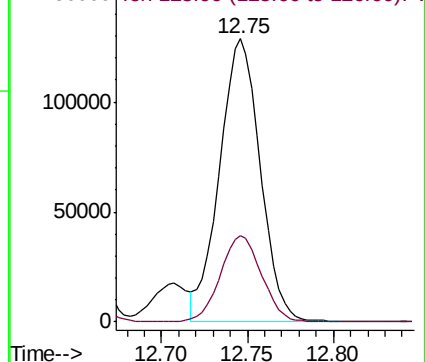
Ion Ratio Lower Upper

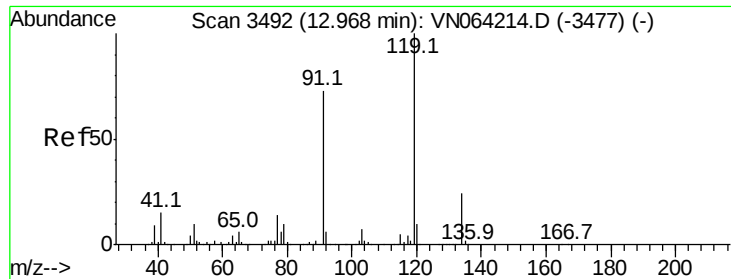
91 100

126 31.2 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

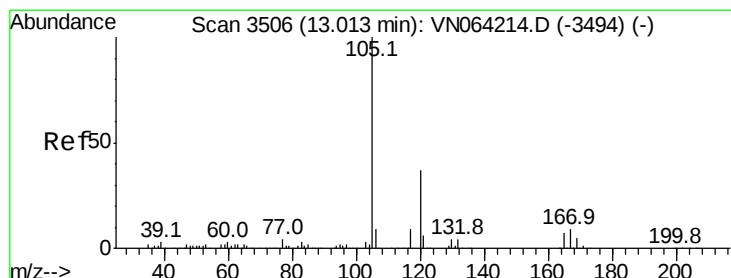
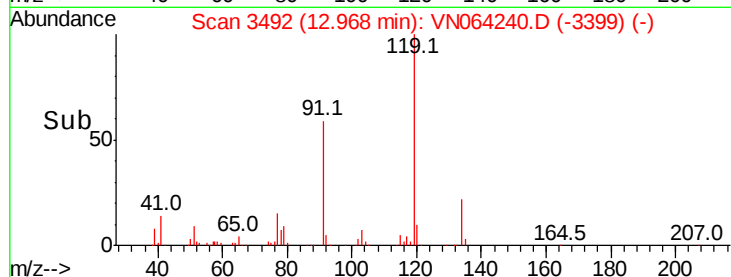
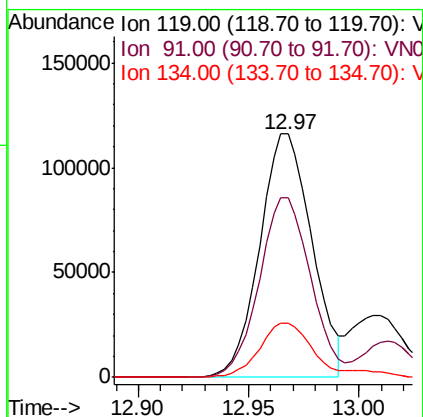
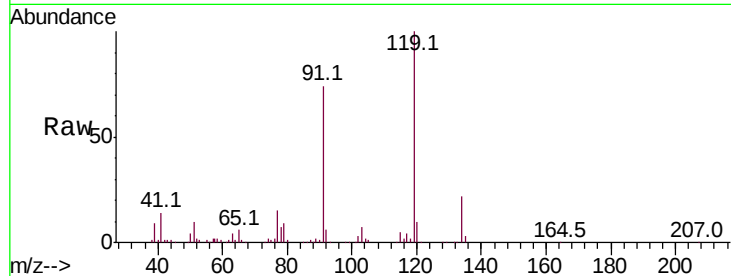




#83
 tert-Butylbenzene
 Concen: 18.604 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

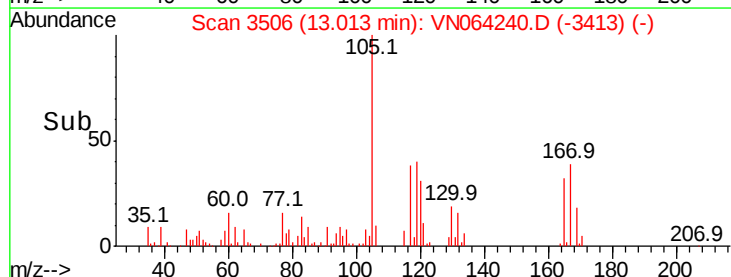
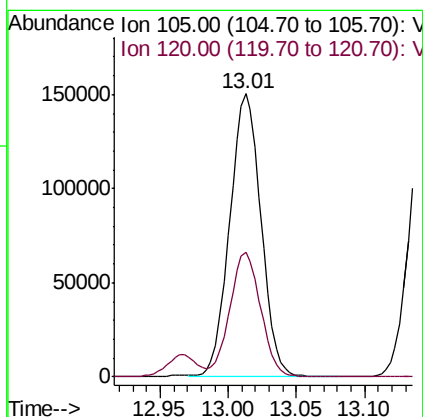
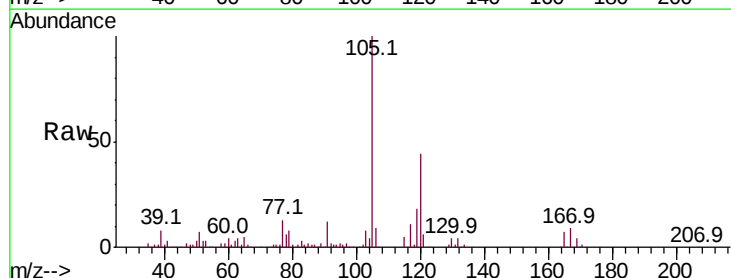
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

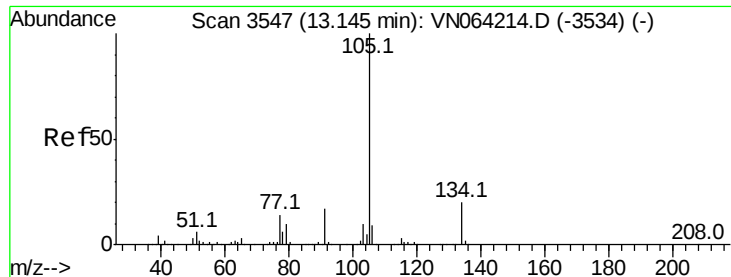
Tot Ion:119 Resp: 190850
 Ion Ratio Lower Upper
 119 100
 91 72.8 35.1 105.3
 134 22.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.135 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion:105 Resp: 238297
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.5 64.5





#85

sec-Butylbenzene

Concen: 19.387 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

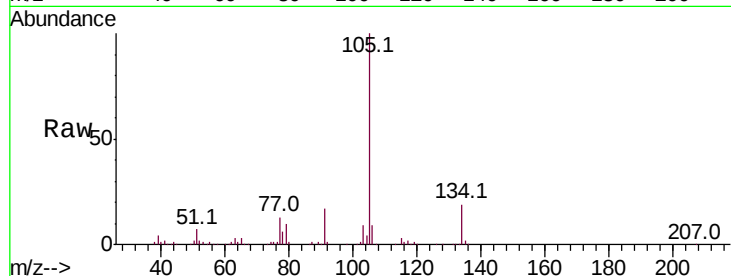
VN1021WBSD02

Tot Ion:105 Resp: 250726

Ion Ratio Lower Upper

105 100

134 18.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

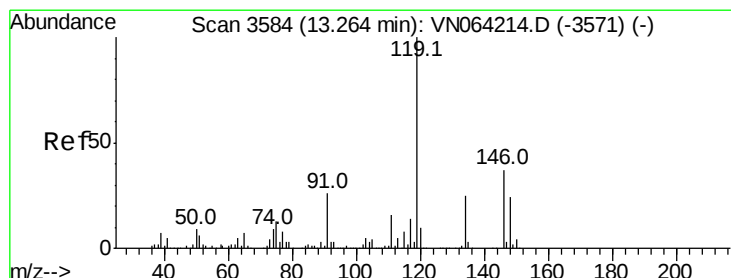
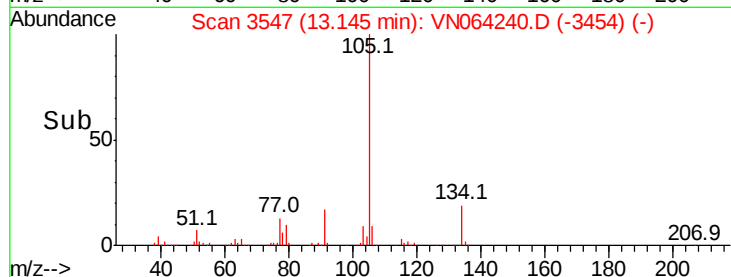
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.243 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

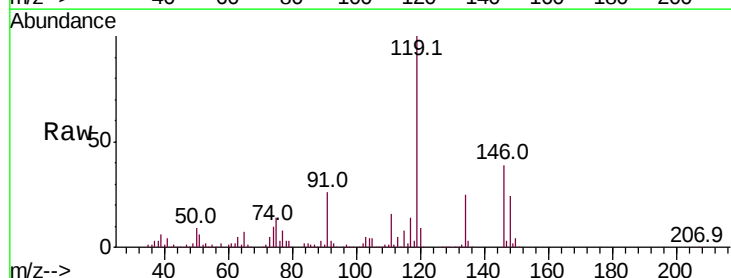
Tgt Ion:119 Resp: 226622

Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

91 26.0 13.4 40.2



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

13.26

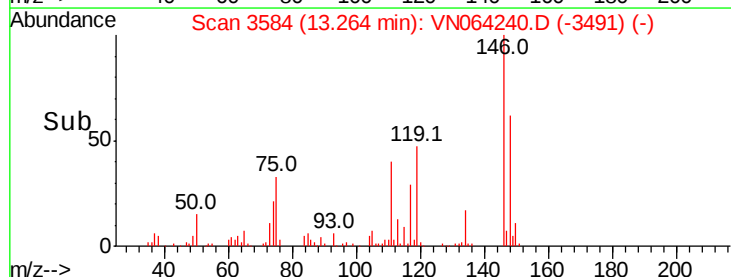
150000

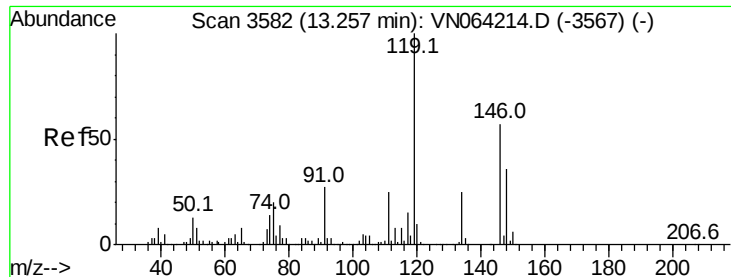
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.036 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

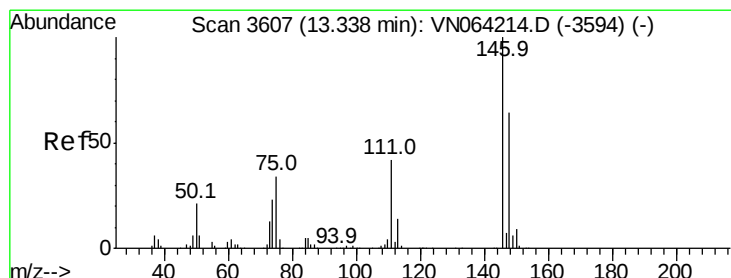
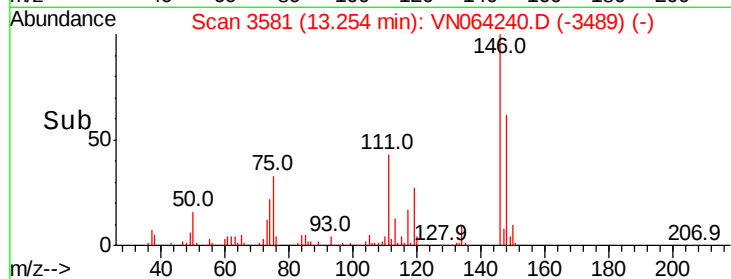
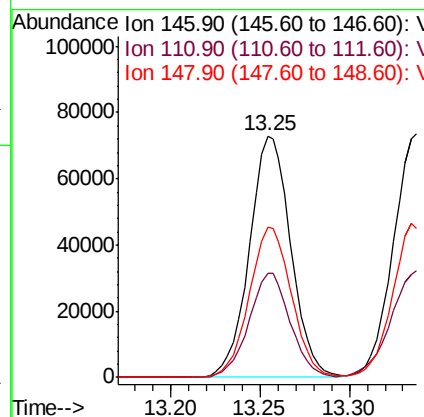
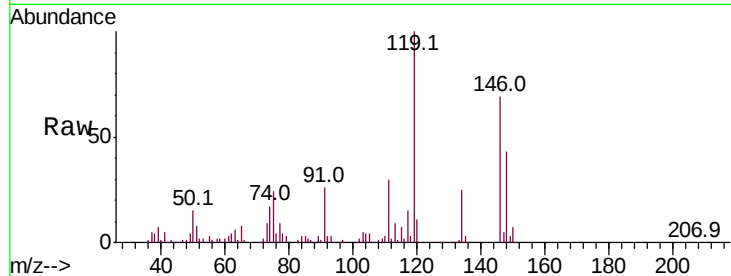
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

Tot Ion:146 Resp: 118349

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.6	65.0
148	63.5	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 19.015 ug/l

RT: 13.34 min Scan# 3607

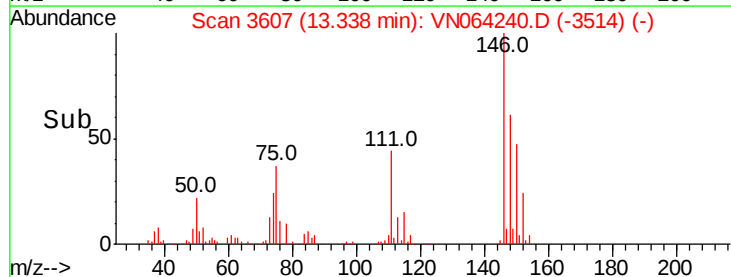
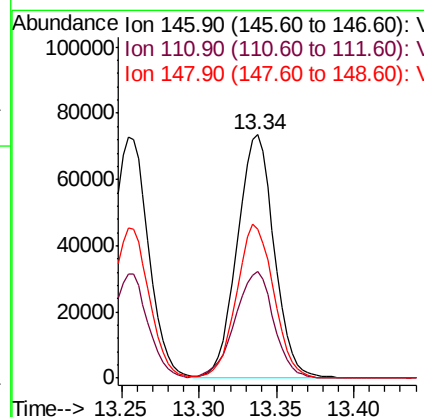
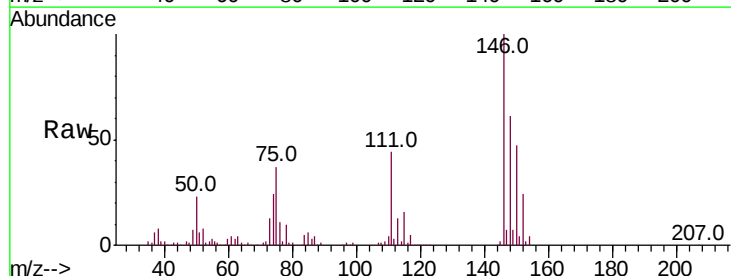
Delta R.T. -0.00 min

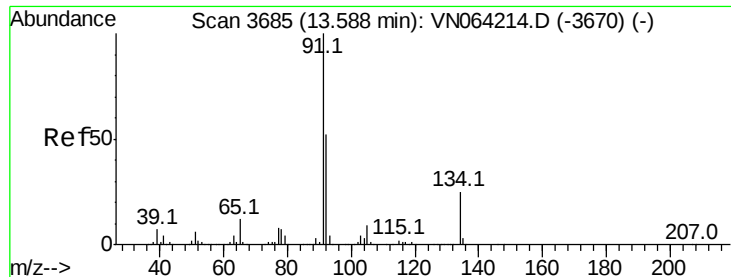
Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Tgt Ion:146 Resp: 120996

Ion	Ratio	Lower	Upper
146	100		
111	46.5	21.5	64.5
148	64.3	32.0	96.0

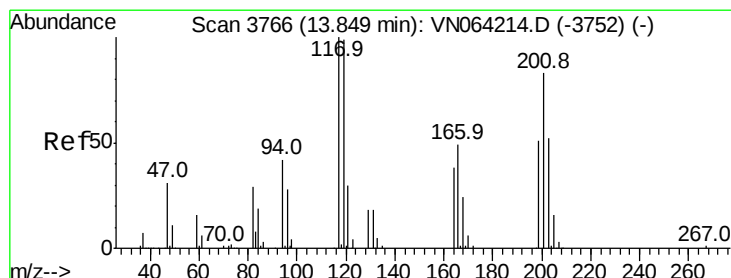
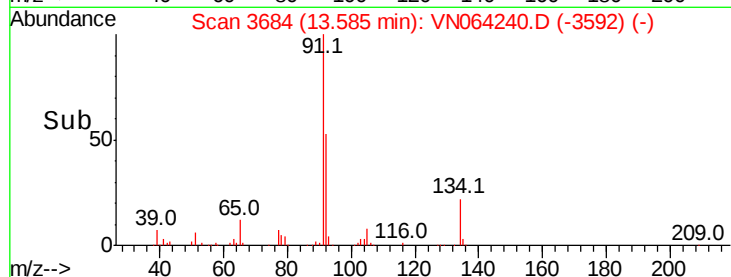
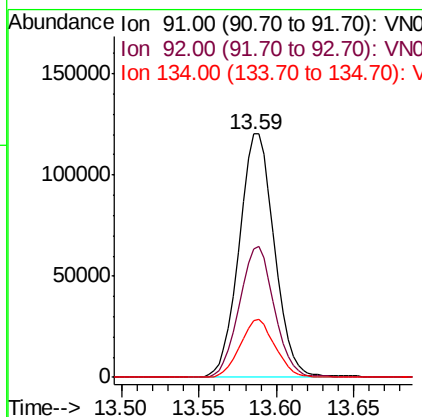
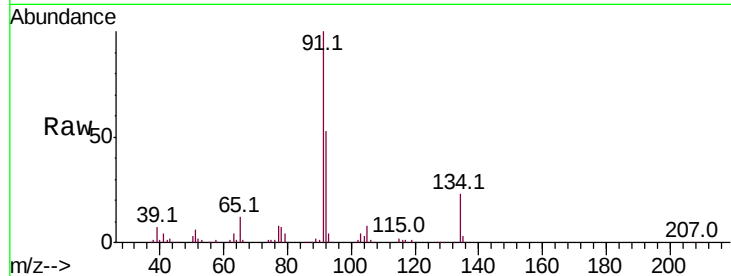




#89
n-Butylbenzene
Concen: 18.105 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

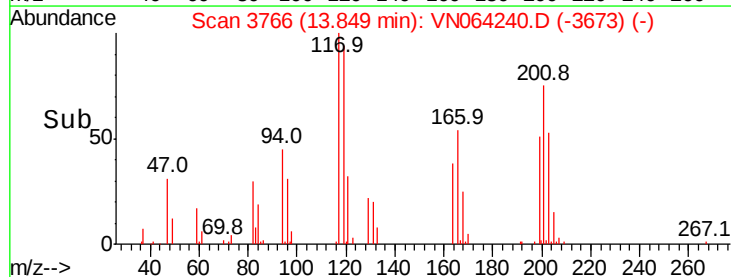
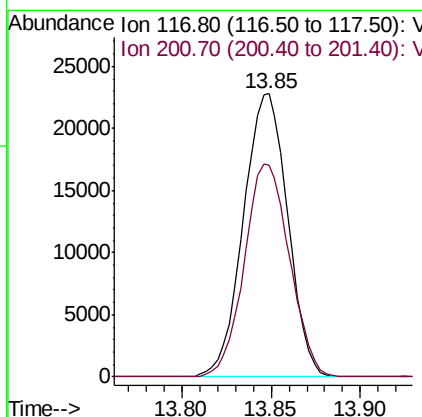
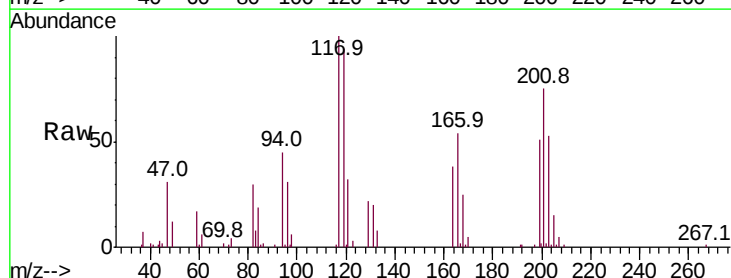
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD02

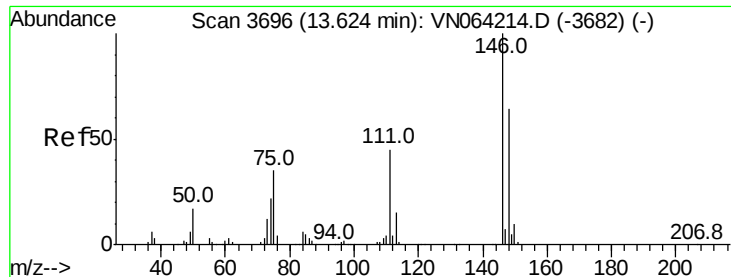
Tot Ion: 91 Resp: 191129
Ion Ratio Lower Upper
91 100
92 52.9 25.7 77.0
134 23.8 12.3 36.8



#90
Hexachloroethane
Concen: 18.553 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064240.D
Acq: 22 Oct 2020 1:54

Tgt Ion: 117 Resp: 39570
Ion Ratio Lower Upper
117 100
201 76.8 40.1 120.3

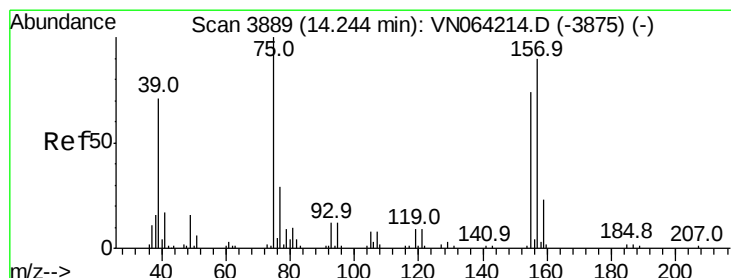
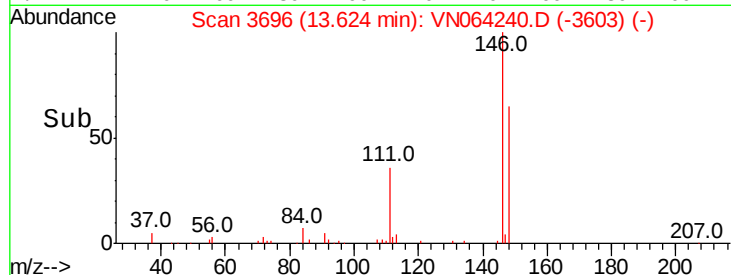
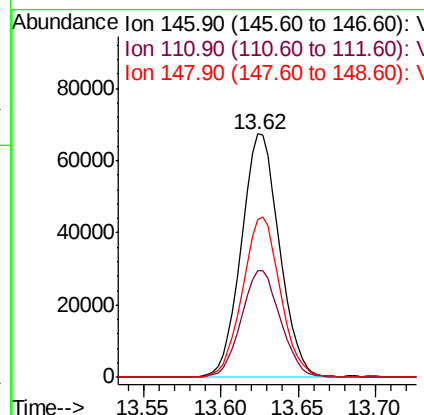
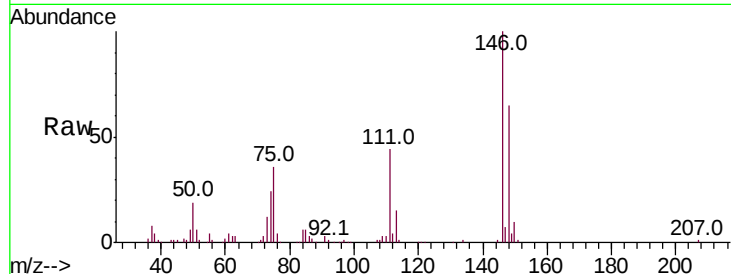




#91
 1,2-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

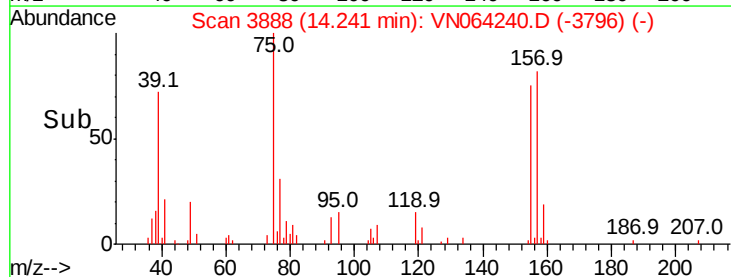
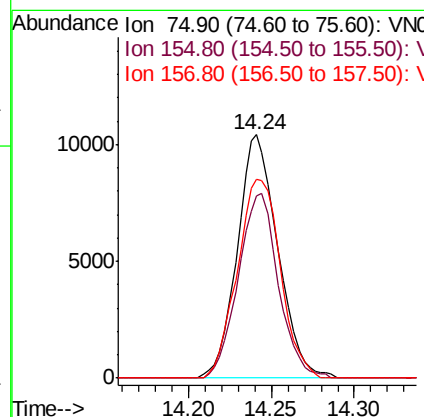
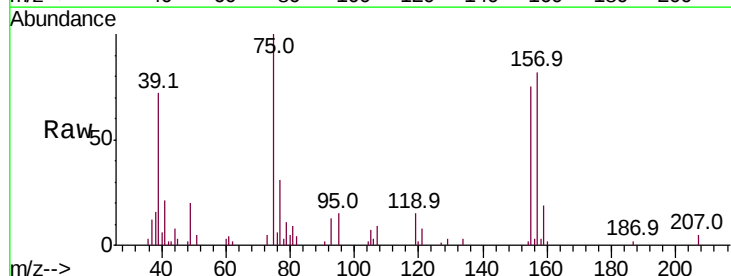
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

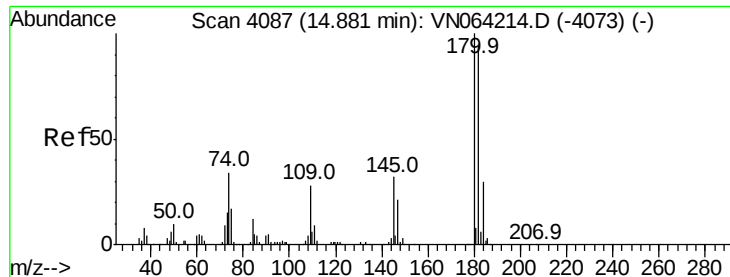
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.9	68.7
148	65.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.959 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064240.D
 Acq: 22 Oct 2020 1:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	36.9	110.7
157	87.0	44.6	133.8





#93

1,2,4-Trichlorobenzene

Concen: 19.234 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

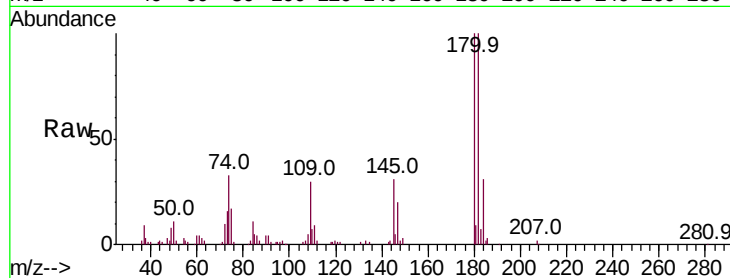
Tot Ion:180 Resp: 65794

Ion Ratio Lower Upper

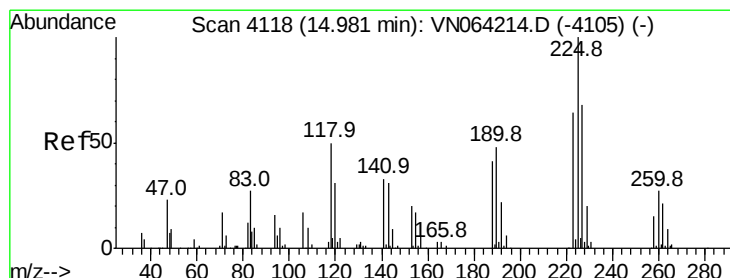
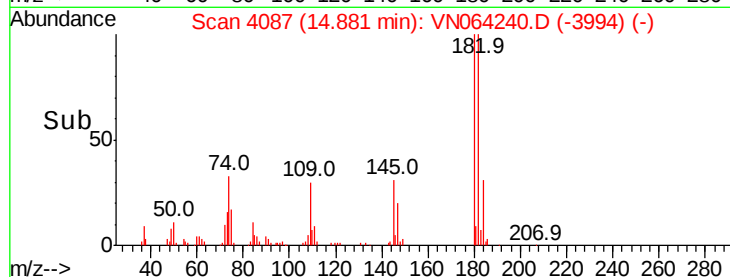
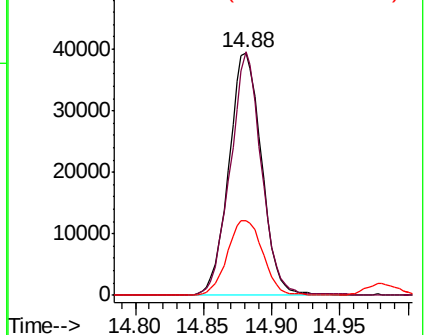
180 100

182 95.0 46.9 140.7

145 33.3 16.1 48.3



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: 17.068 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

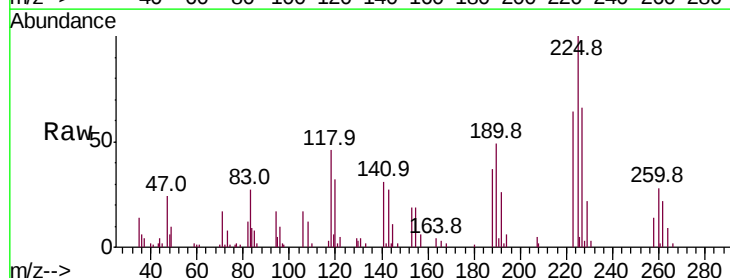
Tgt Ion:225 Resp: 31490

Ion Ratio Lower Upper

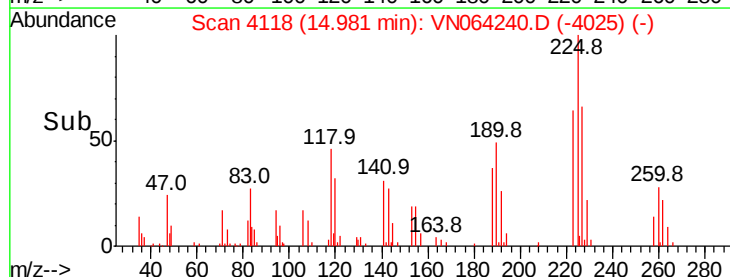
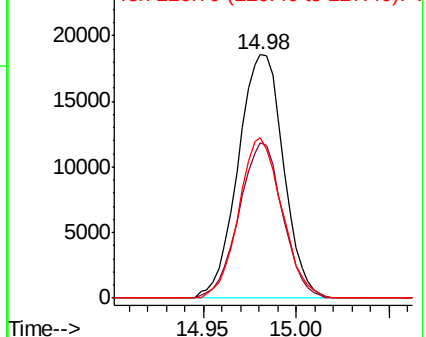
225 100

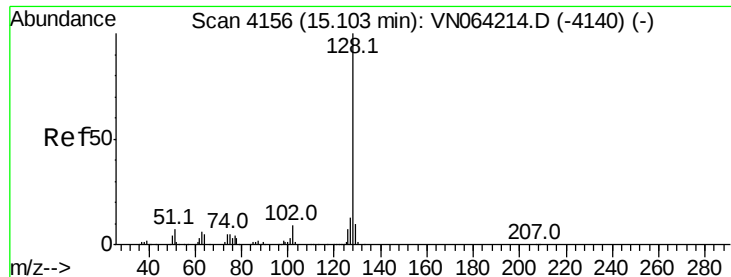
223 61.4 31.5 94.5

227 62.7 32.1 96.5



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





#95

Naphthalene

Concen: 18.948 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

Instrument :

MSVOA_N

ClientSampleId :

VN1021WBSD02

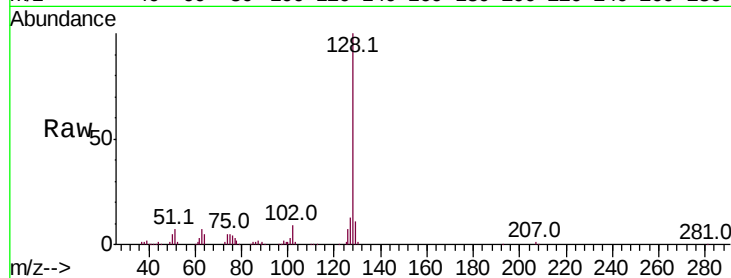
Tot Ion:128 Resp: 194105

Ion Ratio Lower Upper

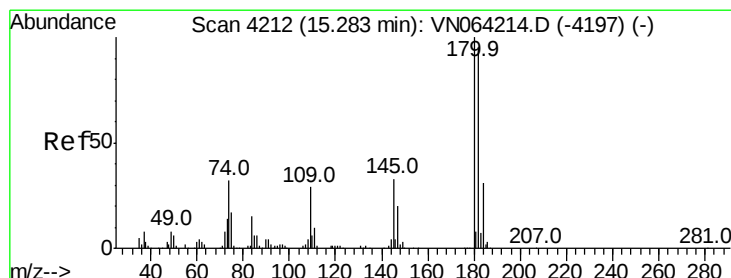
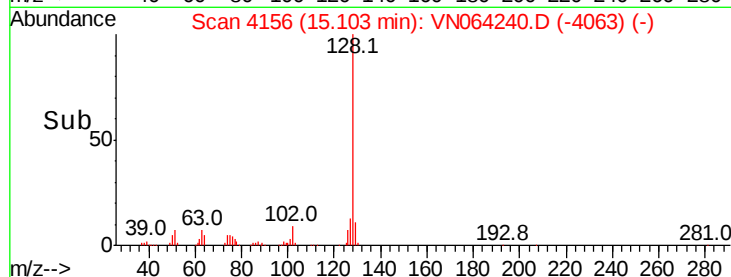
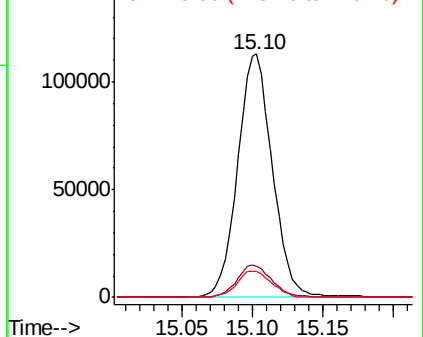
128 100

127 13.3 10.5 15.7

129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.292 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064240.D

Acq: 22 Oct 2020 1:54

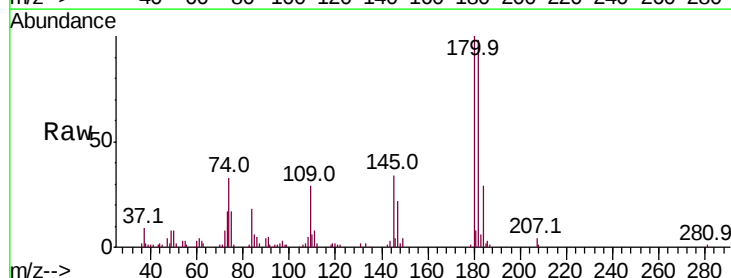
Tgt Ion:180 Resp: 61973

Ion Ratio Lower Upper

180 100

182 97.4 48.0 144.2

145 34.1 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

