

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074627.D
 Acq On : 27 Sep 2022 14:05
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 07:54:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:48:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.498	128	129283	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.828	114	773847	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.622	117	632618	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	371054	30.439	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.467%	
60) 4-Bromofluorobenzene	12.610	95	307726	25.042	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.467%	
63) Toluene-d8	10.310	98	1139202	31.926	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 106.433%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.005	85	2965	0.390	ug/l	80
3) Chloromethane	2.222	50	6298	0.564	ug/l	93
4) Vinyl Chloride	2.352	62	4459	0.312	ug/l #	43
5) Bromomethane	2.793	94	1975	0.215	ug/l	100
10) 1,1-Dichloroethene	4.028	96	3727	0.425	ug/l #	39
13) Acrolein	3.816	56	585	0.383	ug/l	96
14) Acrylonitrile	5.369	53	5698	0.749	ug/l	67
15) Acetone	4.140	58	1412	0.706	ug/l	93
16) Carbon Disulfide	4.363	76	34107	1.384	ug/l #	82
18) Methylene Chloride	4.898	84	4197	0.375	ug/l #	80
19) trans-1,2-Dichloroethene	5.410	96	3926	0.396	ug/l #	45
22) cis-1,2-Dichloroethene	7.151	96	2693	0.225	ug/l #	46
23) tert-Butyl Alcohol	5.181	59	822	0.262	ug/l #	64
26) Cyclohexane	7.951	56	4064	0.229	ug/l #	43
29) 1,1-Dichloropropene	8.063	75	5025	0.348	ug/l	83
30) 2-Butanone	7.169	43	10832	0.982	ug/l #	79
37) Trichloroethene	9.075	130	4613	0.454	ug/l	82
40) Dibromomethane	9.439	93	3201	0.392	ug/l	71
45) 1,4-Dioxane	9.439	88	1351	4.565	ug/l #	44
47) n-amyl Acetate	12.269	43	17867	0.563	ug/l #	87
48) t-1,3-Dichloropropene	10.592	75	5545	0.281	ug/l	90
49) cis-1,3-Dichloropropene	10.069	75	4923	0.240	ug/l #	76
51) Ethyl methacrylate	10.645	69	4510	0.202	ug/l	91
54) 1,2-Dibromoethane	11.222	107	2608	0.212	ug/l #	68
55) 2-Chloroethyl vinyl ether	9.916	63	4353	0.503	ug/l #	79
56) Bromoform	12.339	173	2116	0.216	ug/l #	71
58) 4-Methyl-2-Pentanone	10.210	43	12796	0.652	ug/l #	96
59) 2-Hexanone	10.963	43	27181	1.788	ug/l	91
61) Tetrachloroethene	10.845	164	4684	0.664	ug/l #	52
62) Toluene	10.386	91	14026	0.303	ug/l	97
64) Chlorobenzene	11.645	112	14129	0.532	ug/l	89
66) Ethyl Benzene	11.716	91	16741	0.340	ug/l	93
67) m/p-Xylenes	11.822	106	13540	0.686	ug/l	97
68) o-Xylene	12.151	106	5760	0.286	ug/l	75
69) Styrene	12.174	104	14092	0.417	ug/l	91
71) 1,1,2,2-Tetrachloroethane	12.710	83	4558	0.250	ug/l #	52
72) 1,2,3-Trichloropropane	12.763	75	3936	0.286	ug/l #	1
73) Bromobenzene	12.739	156	5186	0.503	ug/l	78
74) n-propylbenzene	12.798	91	26821	0.464	ug/l	95

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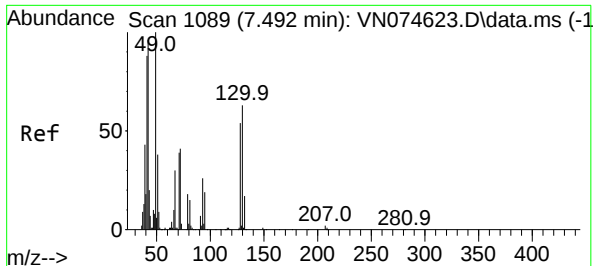
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 2-Chlorotoluene	12.880	91	14793	0.422	ug/l	76
76) 1,3,5-Trimethylbenzene	12.939	105	13275	0.307	ug/l	89
78) 4-Chlorotoluene	12.980	91	15819	0.450	ug/l	74
79) tert-butylbenzene	13.198	119	12017	0.318	ug/l	91
80) 1,2,4-Trimethylbenzene	13.245	105	19419	0.455	ug/l	91
81) sec-Butylbenzene	13.374	105	18515	0.346	ug/l	89
82) p-Isopropyltoluene	13.486	119	18216	0.413	ug/l	93
83) 1,3-Dichlorobenzene	13.492	146	16874	0.797	ug/l	93
84) 1,4-Dichlorobenzene	13.574	146	18840	0.894	ug/l	93
85) n-Butylbenzene	13.821	91	26233	0.698	ug/l	97
86) Hexachloroethane	14.092	117	3974	0.468	ug/l	62
87) 1,2-Dichlorobenzene	13.863	146	14827	0.684	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.468	75	3564	0.934	ug/l #	64
89) 1,2,4-Trichlorobenzene	15.127	180	25833	2.858	ug/l	97
90) Hexachlorobutadiene	15.233	225	3354	0.842	ug/l	73
91) Naphthalene	15.362	128	174641	4.606	ug/l	98
92) 1,2,3-Trichlorobenzene	15.551	180	34204	3.774	ug/l	89

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

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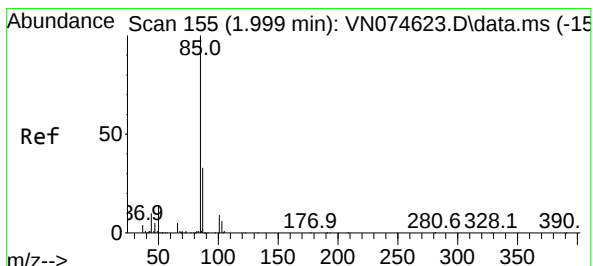
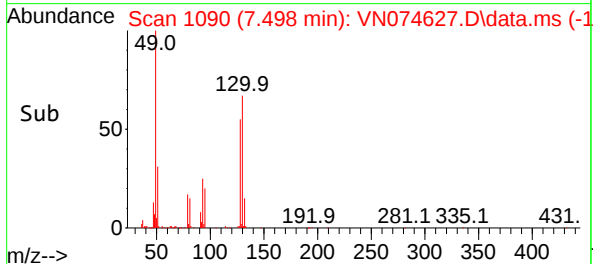
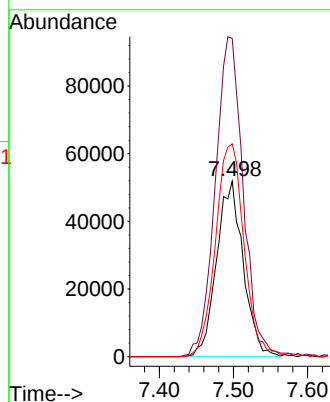
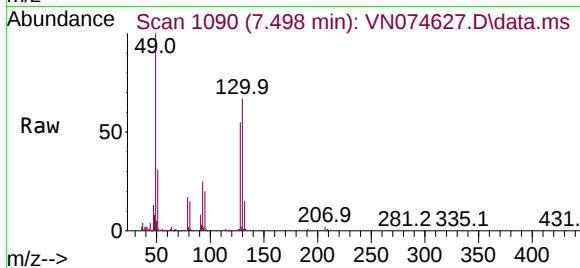




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.498 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074627.D
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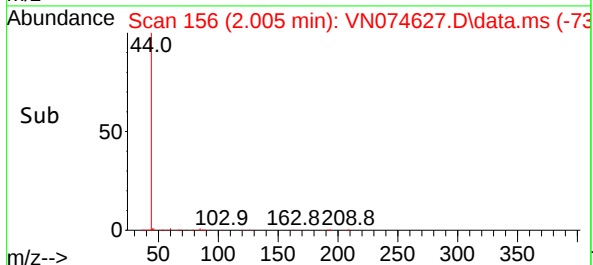
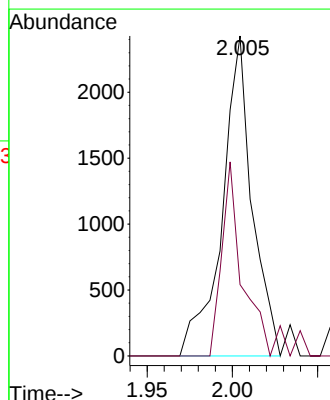
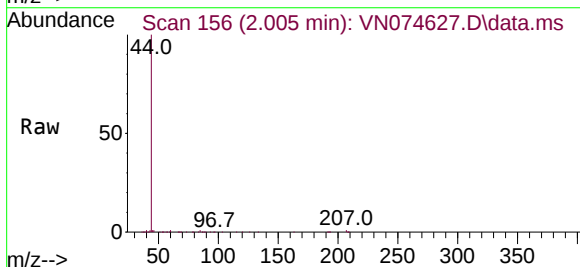
Instrument :
MSVOA_N
ClientSampleId :

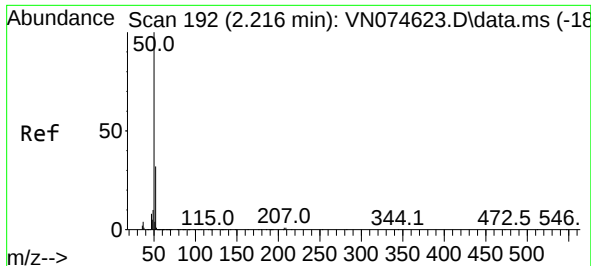
Tgt Ion:128 Resp: 129283
Ion Ratio Lower Upper
128 100
49 191.2 0.0 492.0
130 128.7 0.0 313.3



#2
Dichlorodifluoromethane
Concen: 0.390 ug/l
RT: 2.005 min Scan# 156
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 85 Resp: 2965
Ion Ratio Lower Upper
85 100
87 22.3 16.7 50.1

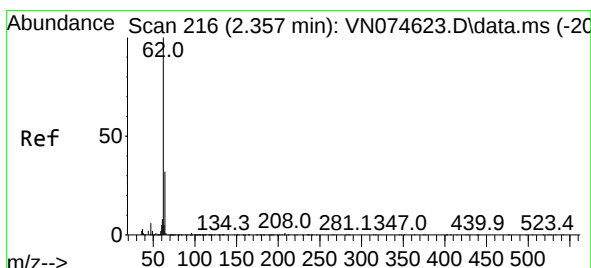
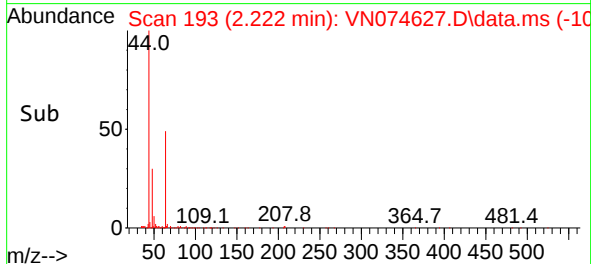
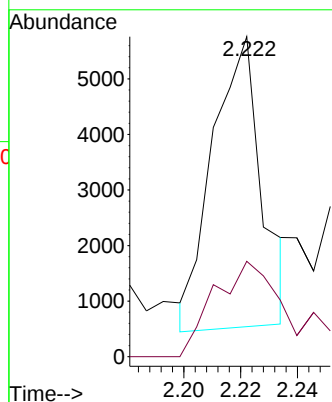
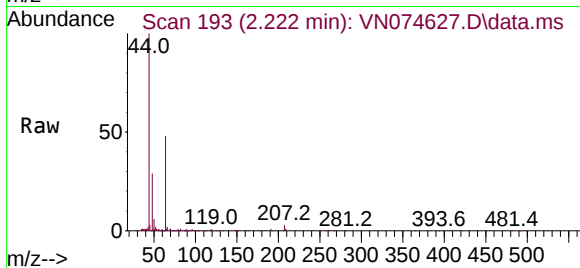




#3
Chloromethane
Concen: 0.564 ug/l
RT: 2.222 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

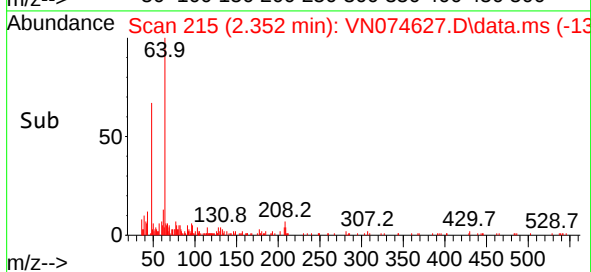
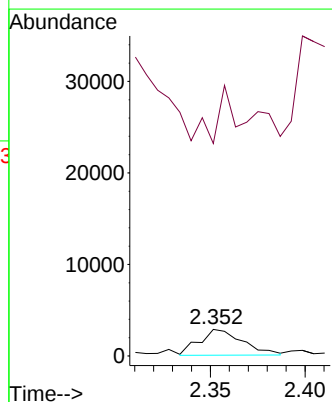
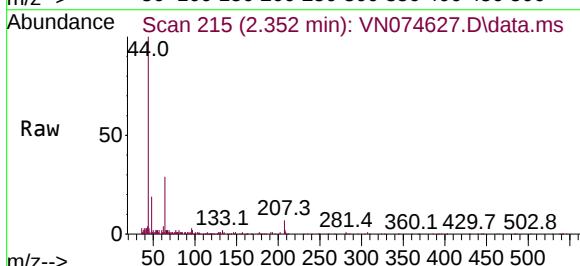
Instrument :
MSVOA_N
ClientSampleId :

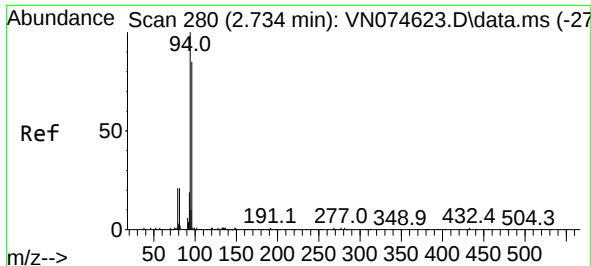
Tgt Ion: 50 Resp: 6298
Ion Ratio Lower Upper
50 100
52 35.8 25.5 38.3



#4
Vinyl Chloride
Concen: 0.312 ug/l
RT: 2.352 min Scan# 215
Delta R.T. -0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 62 Resp: 4459
Ion Ratio Lower Upper
62 100
64 0.0 25.6 38.4#





#5

Bromomethane

Concen: 0.215 ug/l

RT: 2.793 min Scan# 24

Delta R.T. 0.059 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

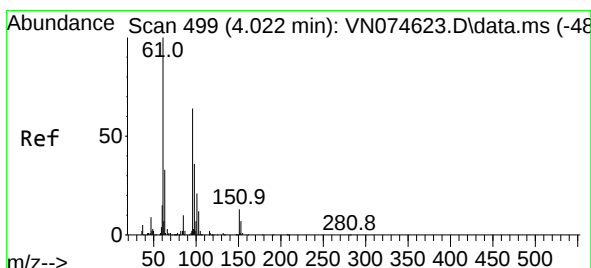
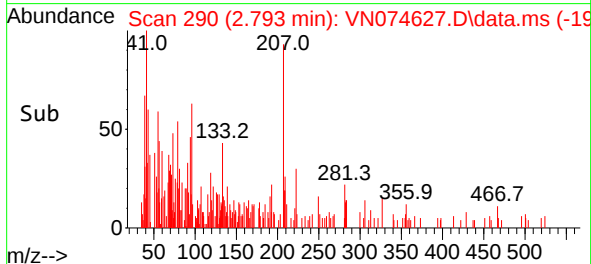
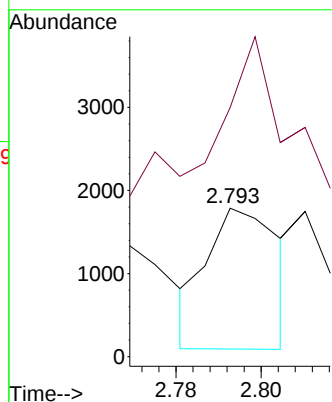
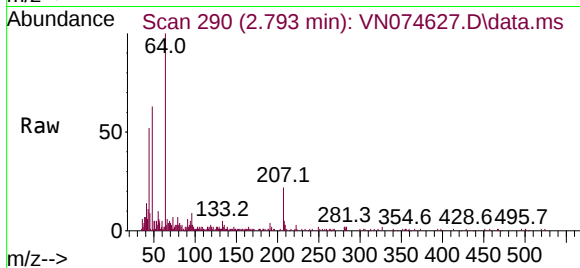
ClientSampleId :

Tgt Ion: 94 Resp: 1975

Ion Ratio Lower Upper

94 100

96 85.6 68.3 102.5



#10

1,1-Dichloroethene

Concen: 0.425 ug/l

RT: 4.028 min Scan# 500

Delta R.T. 0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

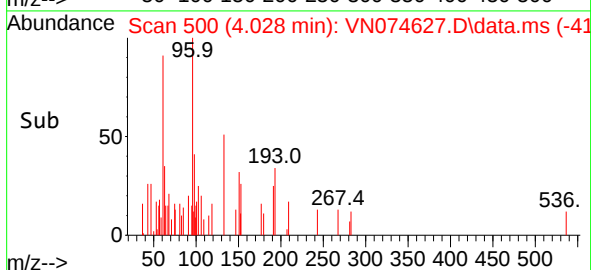
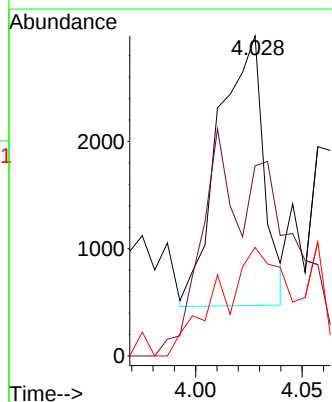
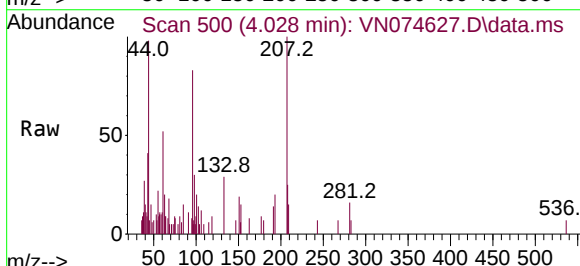
Tgt Ion: 96 Resp: 3727

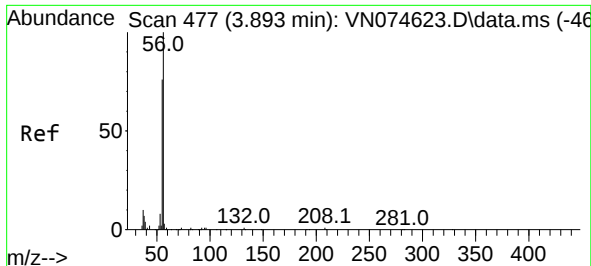
Ion Ratio Lower Upper

96 100

61 64.2 125.5 188.3#

98 32.7 45.0 67.4#

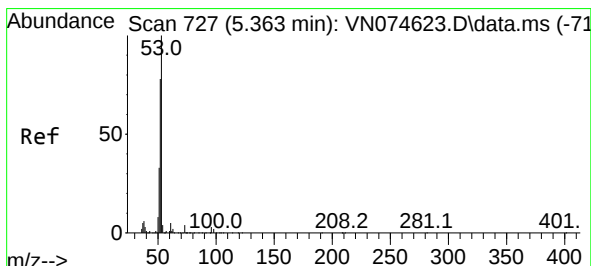
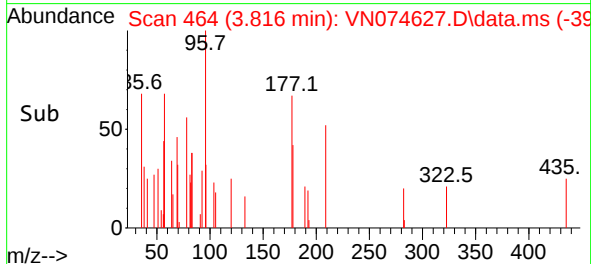
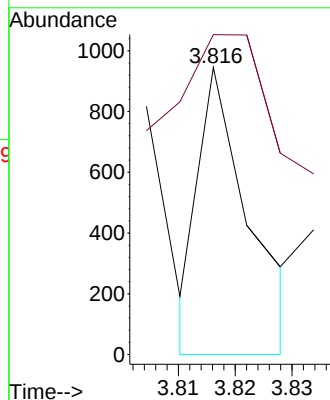
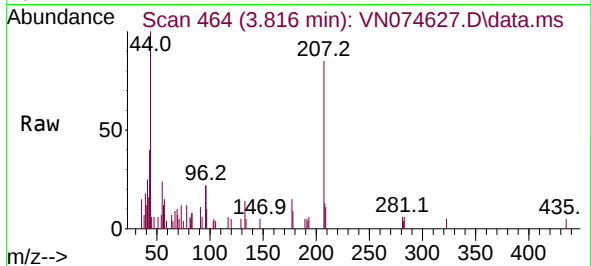




#13
Acrolein
Concen: 0.383 ug/l
RT: 3.816 min Scan# 41
Delta R.T. -0.077 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

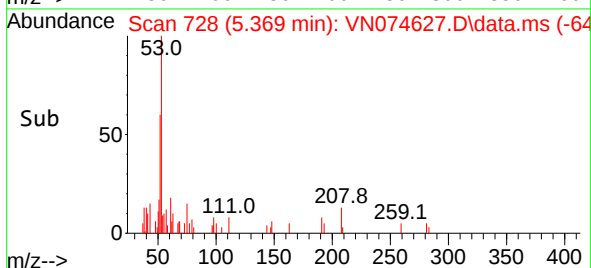
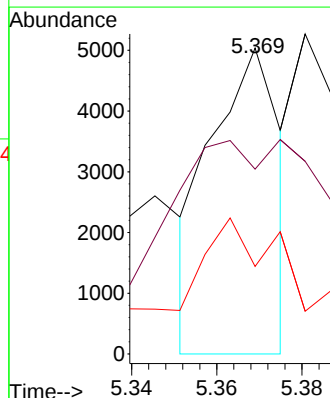
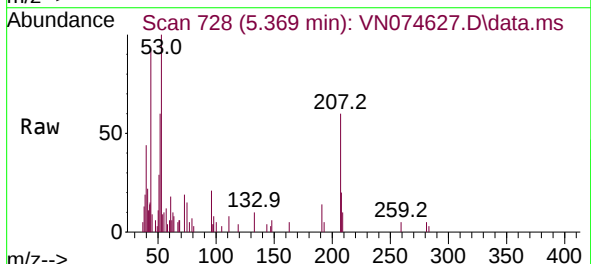
Instrument :
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ClientSampleId :

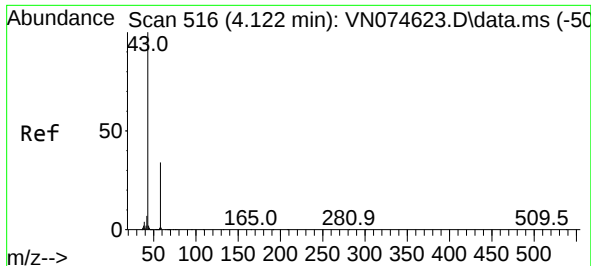
Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
55 73.5 56.2 84.2



#14
Acrylonitrile
Concen: 0.749 ug/l
RT: 5.369 min Scan# 728
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 53 Resp: 5698
Ion Ratio Lower Upper
53 100
52 117.5 40.8 122.4
51 42.8 17.0 51.0

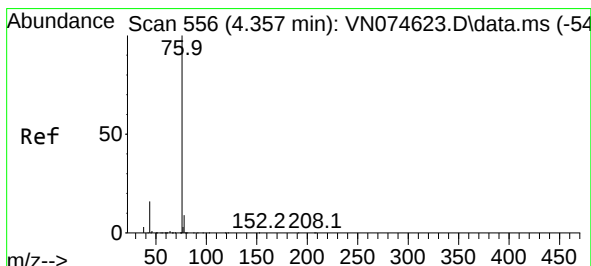
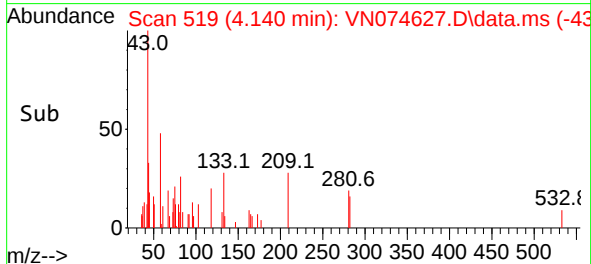
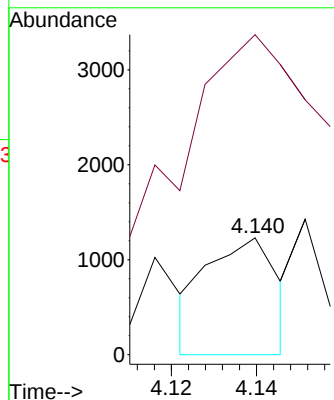
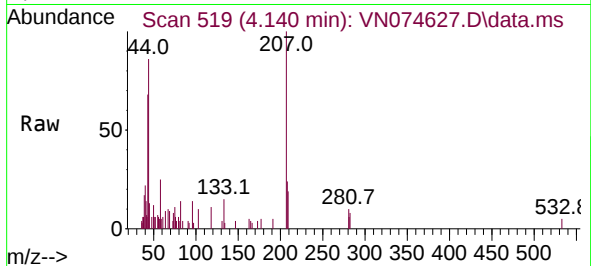




#15
Acetone
Concen: 0.706 ug/l
RT: 4.140 min Scan# 516
Delta R.T. 0.018 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

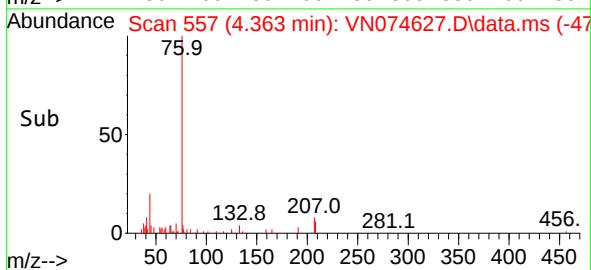
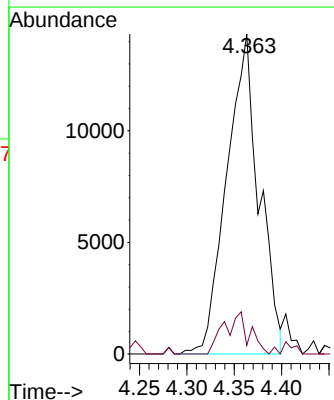
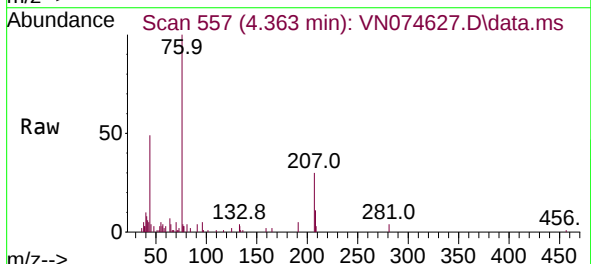
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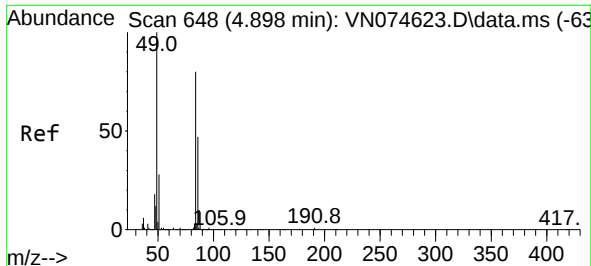
Tgt Ion: 58 Resp: 1412
Ion Ratio Lower Upper
58 100
43 277.4 232.2 348.4



#16
Carbon Disulfide
Concen: 1.384 ug/l
RT: 4.363 min Scan# 557
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

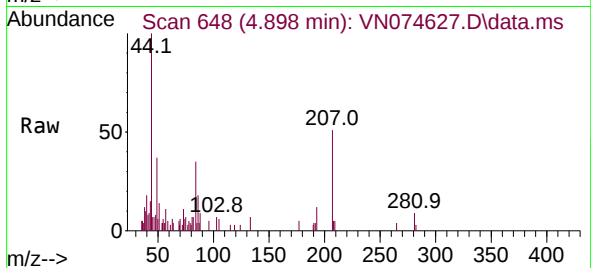
Tgt Ion: 76 Resp: 34107
Ion Ratio Lower Upper
76 100
78 2.6 7.2 10.8#



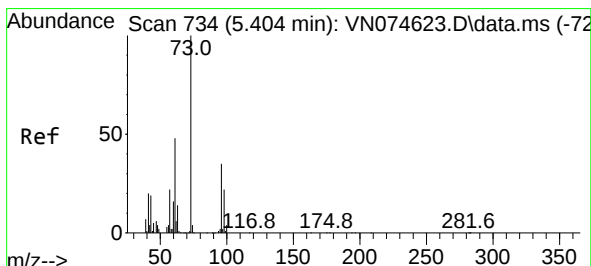
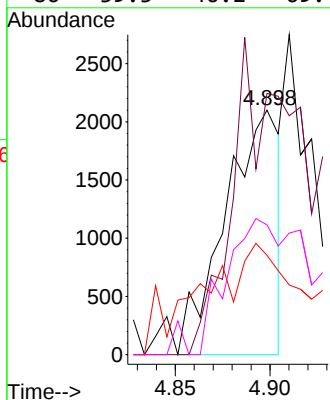
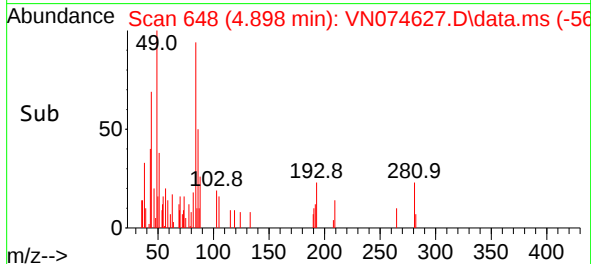


#18
Methylene Chloride
Concen: 0.375 ug/l
RT: 4.898 min Scan# 648
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

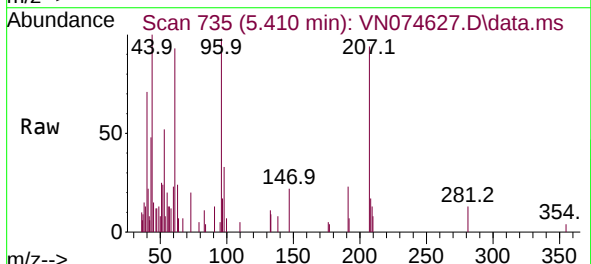
Instrument :
MSVOA_N
ClientSampleId :



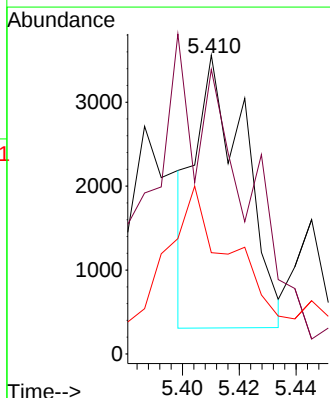
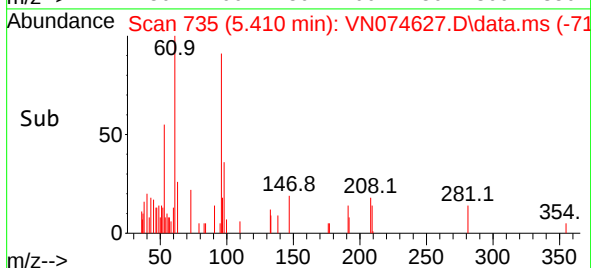
Tgt Ion: 84 Resp: 4197
Ion Ratio Lower Upper
84 100
49 106.9 99.6 149.4
51 18.3 28.2 42.2#
86 39.3 46.2 69.4#

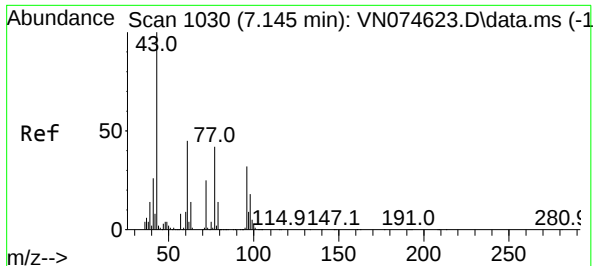


#19
trans-1,2-Dichloroethene
Concen: 0.396 ug/l
RT: 5.410 min Scan# 735
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05



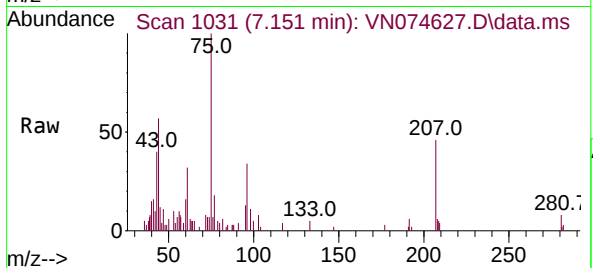
Tgt Ion: 96 Resp: 3926
Ion Ratio Lower Upper
96 100
61 70.8 110.2 165.4#
98 21.3 50.0 75.0#



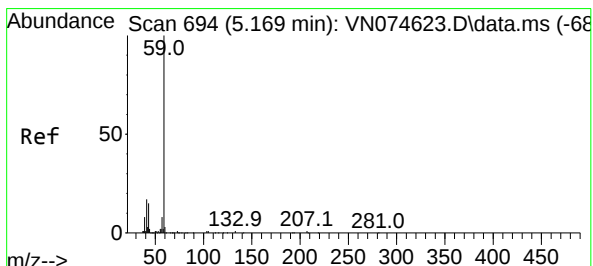
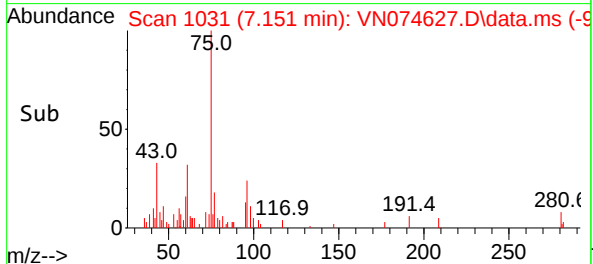
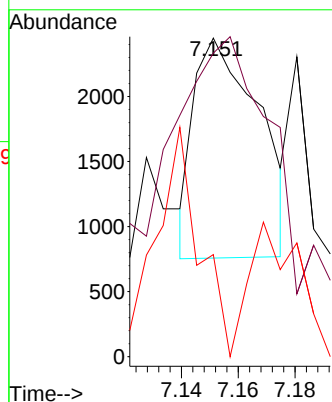


#22
 cis-1,2-Dichloroethene
 Concen: 0.225 ug/l
 RT: 7.151 min Scan# 1031
 Delta R.T. 0.006 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

Instrument :
 MSVOA_N
 ClientSampleId :

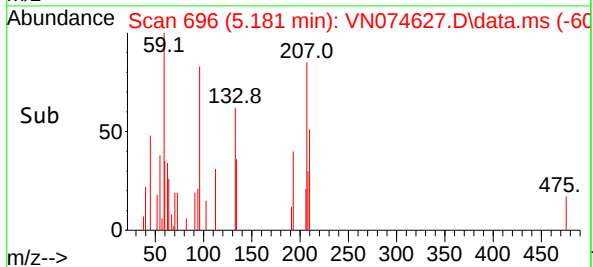
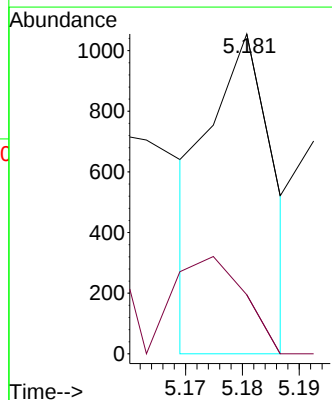
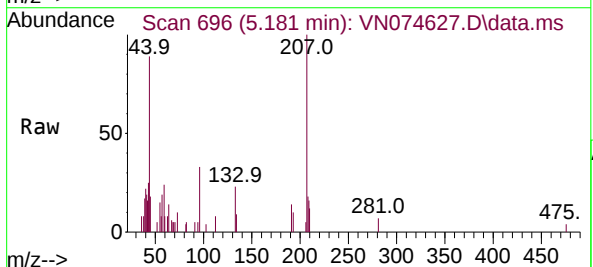


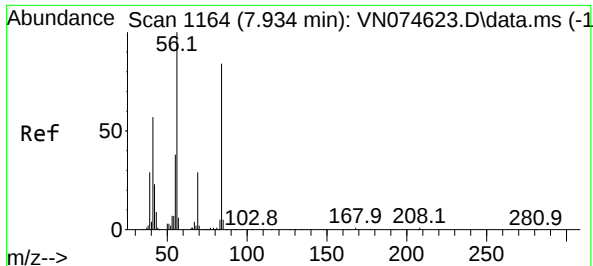
Tgt Ion: 96 Resp: 2693
 Ion Ratio Lower Upper
 96 100
 61 245.5 118.8 178.2#
 98 66.0 52.1 78.1



#23
 tert-Butyl Alcohol
 Concen: 0.262 ug/l
 RT: 5.181 min Scan# 696
 Delta R.T. 0.012 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

Tgt Ion: 59 Resp: 822
 Ion Ratio Lower Upper
 59 100
 52 33.8 0.2 0.4#





#26

Cyclohexane

Concen: 0.229 ug/l

RT: 7.951 min Scan# 1167

Delta R.T. 0.018 min

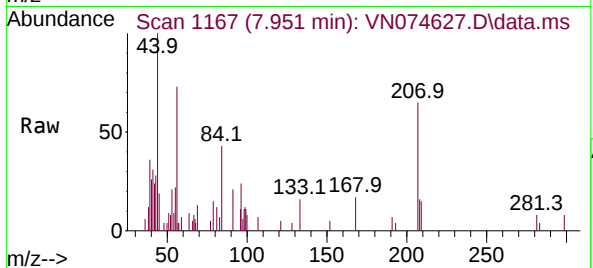
Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

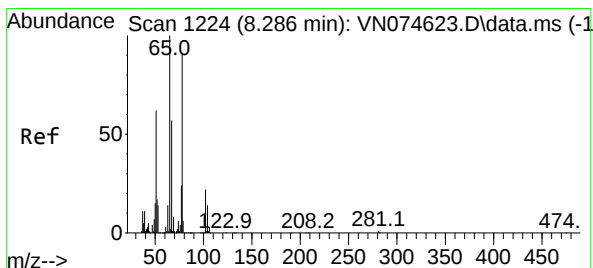
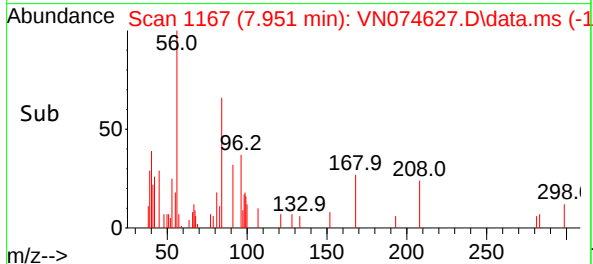
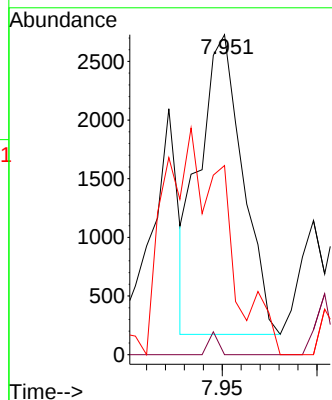
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4064
Ion Ratio	Lower Upper
56	100
89	0.0 0.0 0.0
84	33.8 68.4 102.6#



#27

1,2-Dichloroethane-d4

Concen: 30.439 ug/l

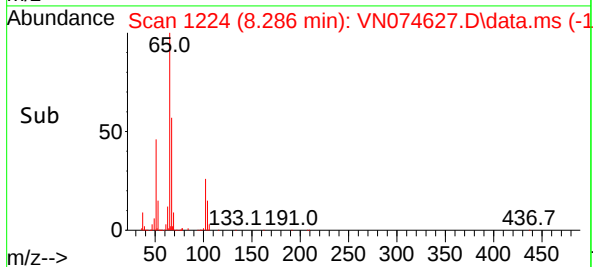
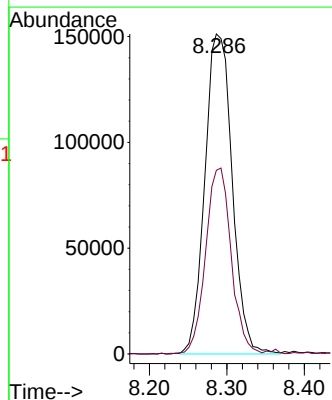
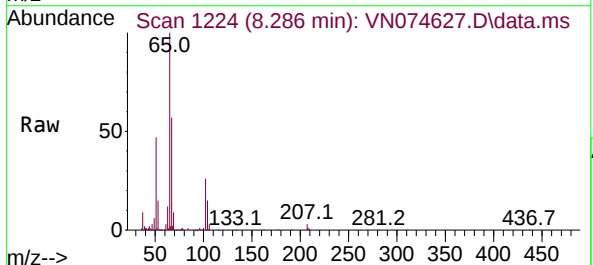
RT: 8.286 min Scan# 1224

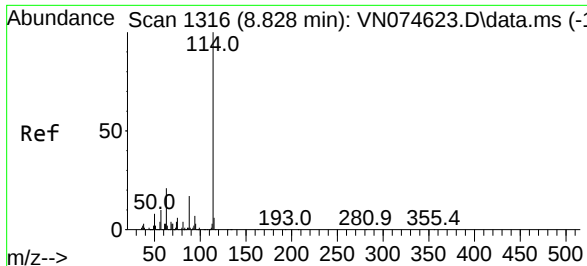
Delta R.T. -0.000 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Tgt Ion: 65	Resp: 371054
Ion Ratio	Lower Upper
65	100
67	54.3 45.2 67.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.828 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

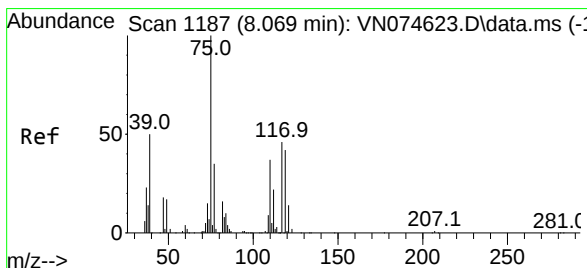
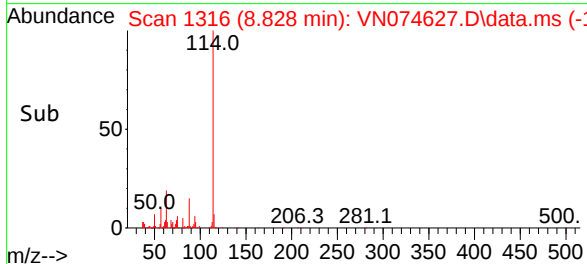
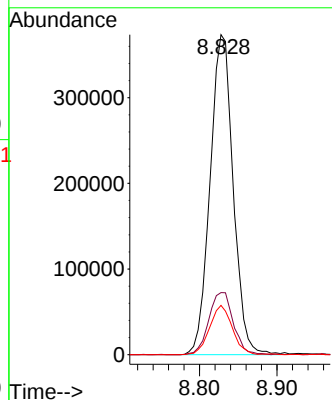
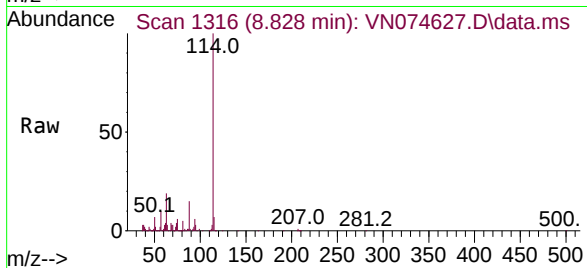
Tgt Ion:114 Resp: 773847

Ion Ratio Lower Upper

114 100

63 20.6 16.6 25.0

88 15.1 12.2 18.4



#29

1,1-Dichloropropene

Concen: 0.348 ug/l

RT: 8.063 min Scan# 1186

Delta R.T. -0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

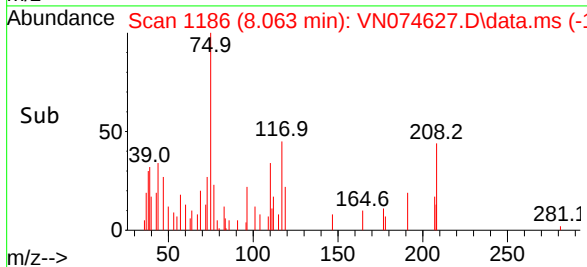
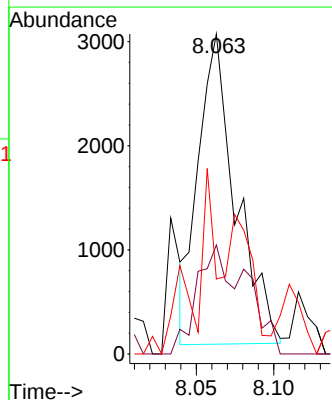
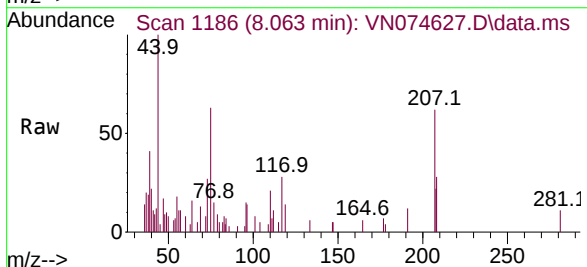
Tgt Ion: 75 Resp: 5025

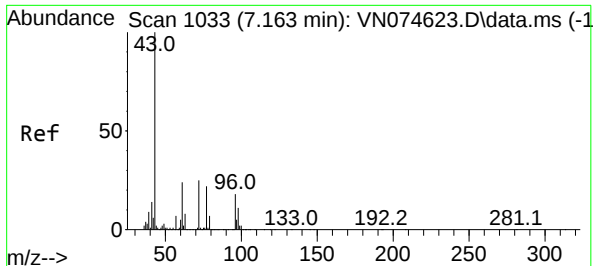
Ion Ratio Lower Upper

75 100

110 30.9 0.0 72.2

77 17.6 0.0 64.0





#30

2-Butanone

Concen: 0.982 ug/l

RT: 7.169 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VN074627.D

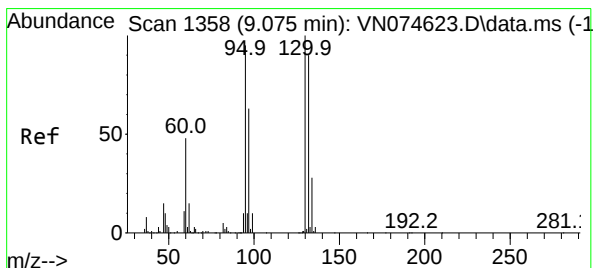
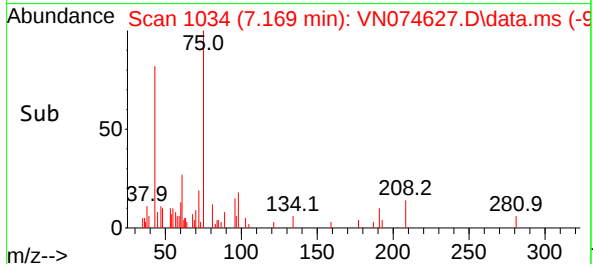
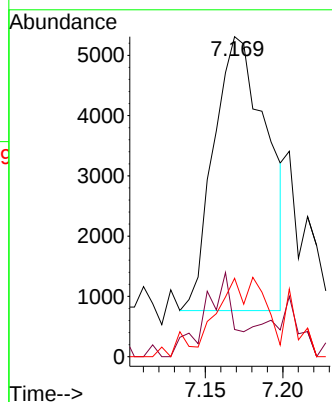
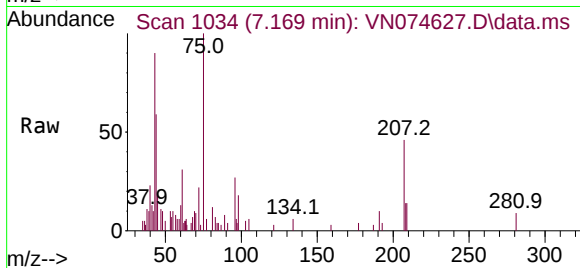
Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 10832
Ion Ratio	Lower Upper
43 100	
57 13.4	6.3 9.5#
72 14.5	21.0 31.4#



#37

Trichloroethene

Concen: 0.454 ug/l

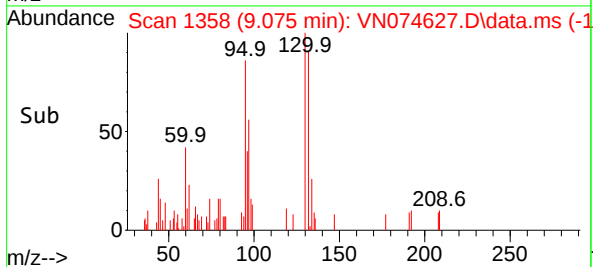
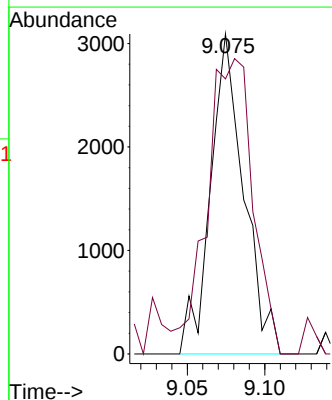
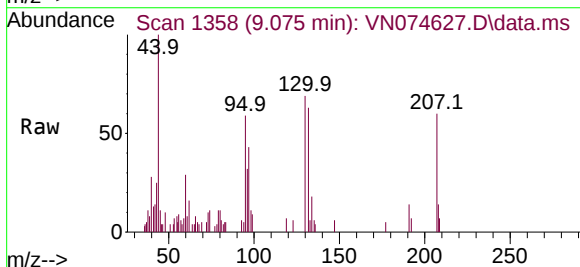
RT: 9.075 min Scan# 1358

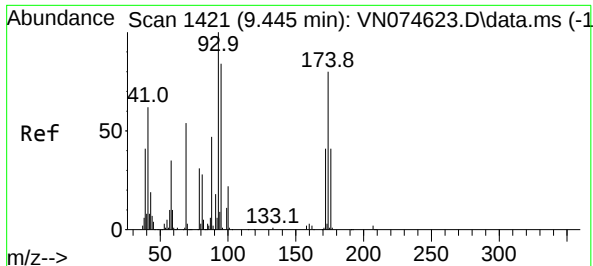
Delta R.T. -0.000 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Tgt Ion: 130	Resp: 4613
Ion Ratio	Lower Upper
130 100	
95 77.7	75.9 113.9





#40

Dibromomethane

Concen: 0.392 ug/l

RT: 9.439 min Scan# 1420

Delta R.T. -0.006 min

Lab File: VN074627.D

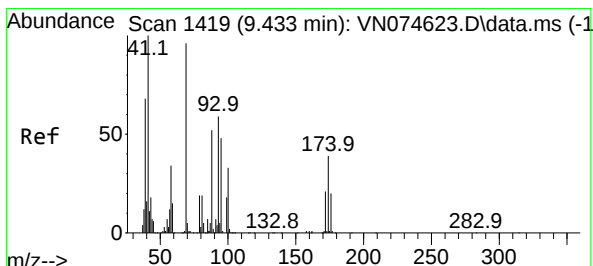
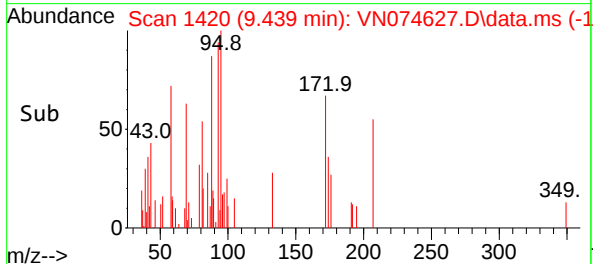
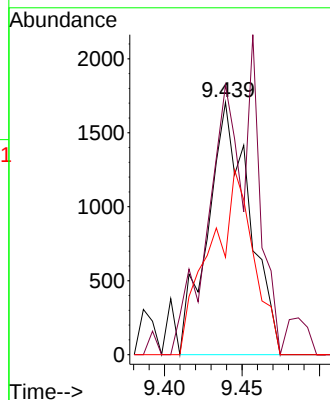
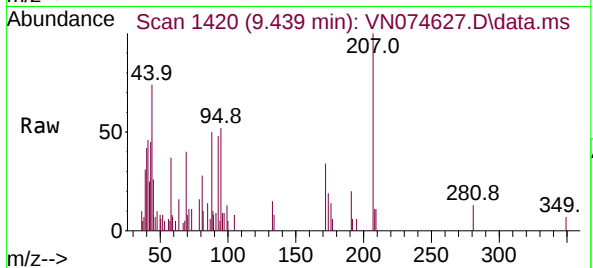
Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 93	Resp: 3201
Ion Ratio	Lower Upper
93 100	
95 70.9	0.0 168.0
174 40.6	0.0 158.4



#45

1,4-Dioxane

Concen: 4.565 ug/l

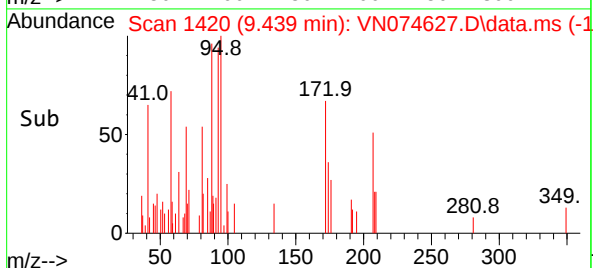
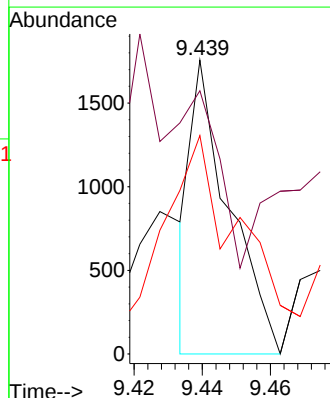
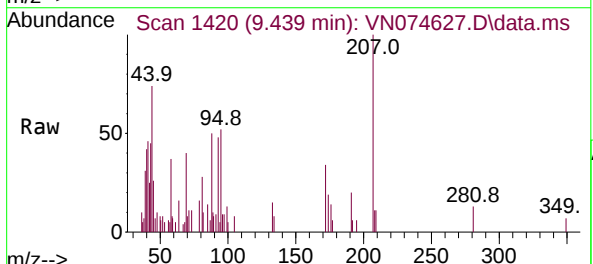
RT: 9.439 min Scan# 1420

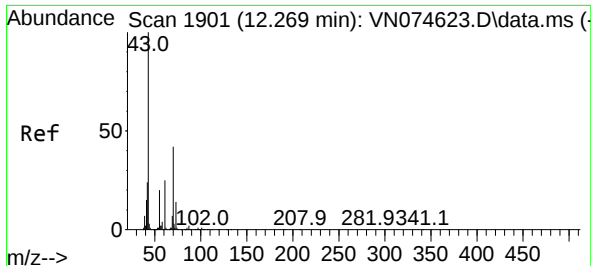
Delta R.T. 0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Tgt Ion: 88	Resp: 1351
Ion Ratio	Lower Upper
88 100	
43 67.4	25.7 38.5#
58 109.0	53.4 80.2#

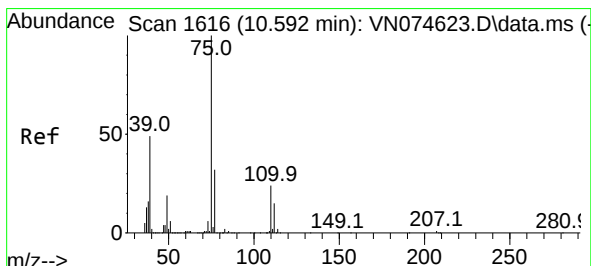
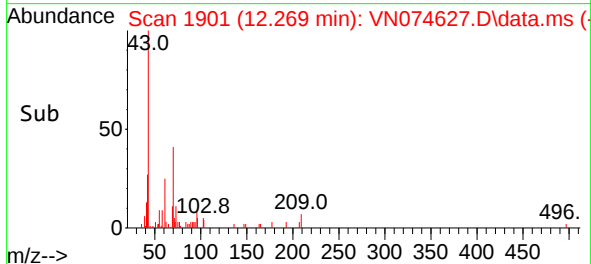
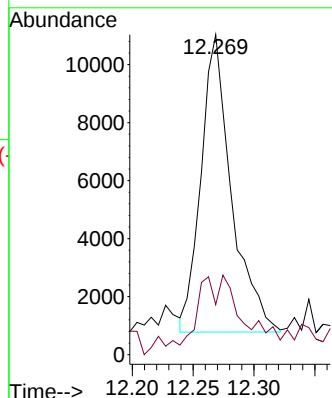
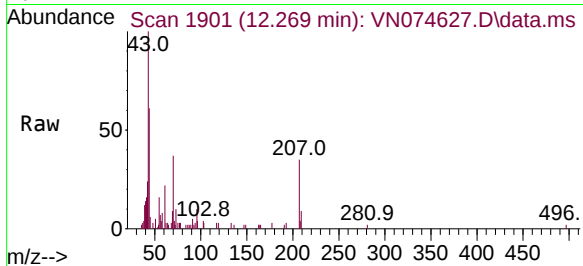




#47
n-amy1 Acetate
Concen: 0.563 ug/l
RT: 12.269 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

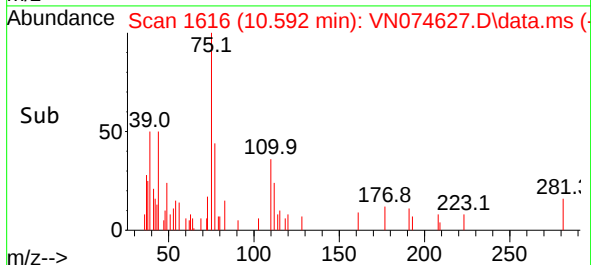
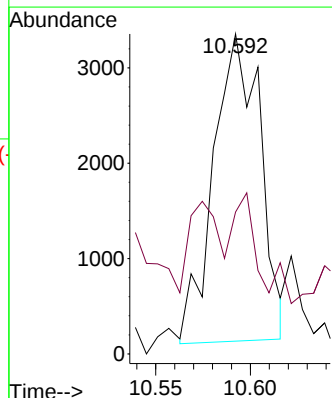
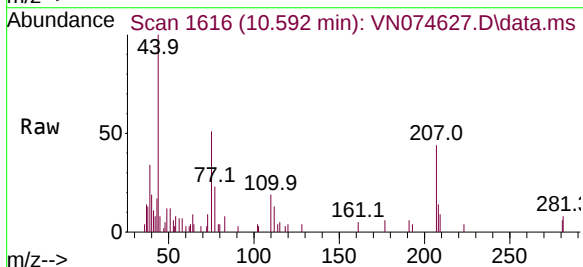
Instrument :
MSVOA_N
ClientSampleId :

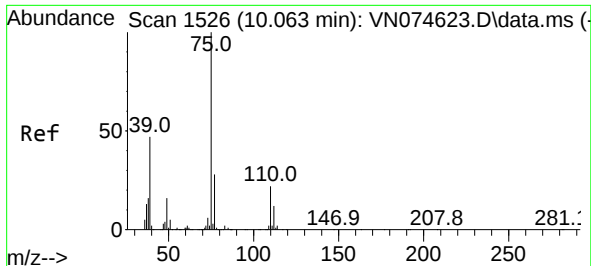
Tgt Ion: 43 Resp: 17867
Ion Ratio Lower Upper
43 100
55 14.9 16.8 25.2#



#48
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 10.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 75 Resp: 5545
Ion Ratio Lower Upper
75 100
77 26.5 25.8 38.8





#49

cis-1,3-Dichloropropene

Concen: 0.240 ug/l

RT: 10.069 min Scan# 1526

Delta R.T. 0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

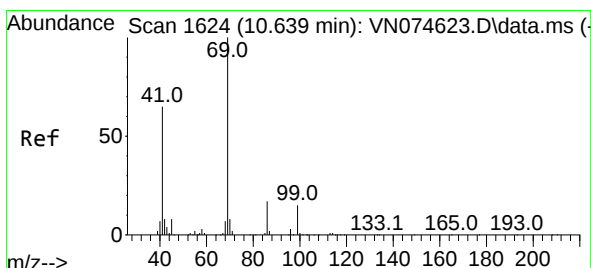
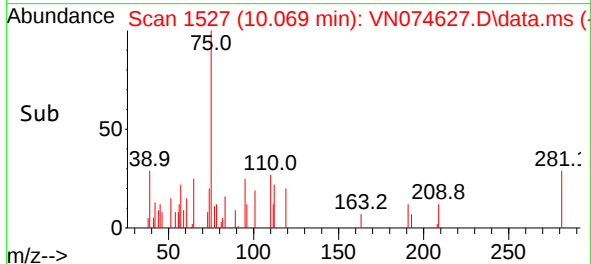
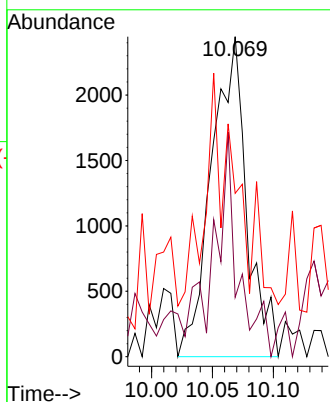
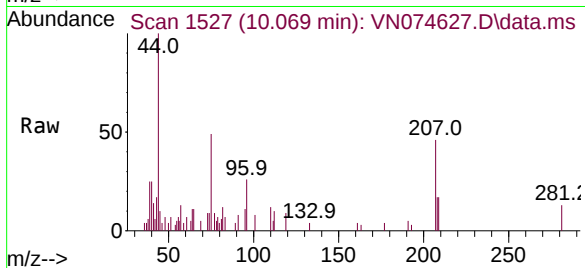
Tgt Ion: 75 Resp: 4923

Ion Ratio Lower Upper

75 100

77 9.5 22.5 33.7#

39 35.2 37.6 56.4#



#51

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.645 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

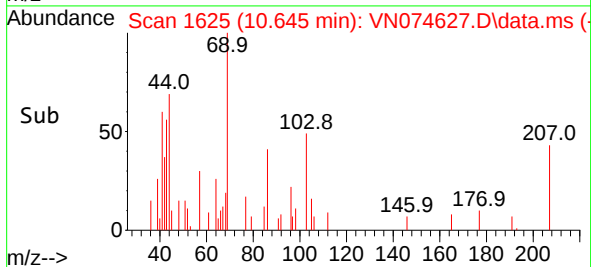
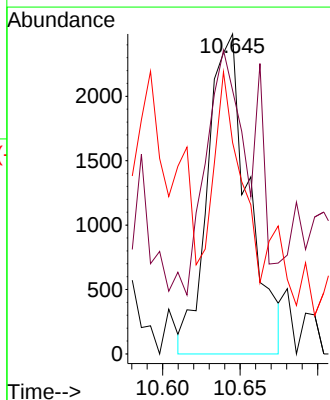
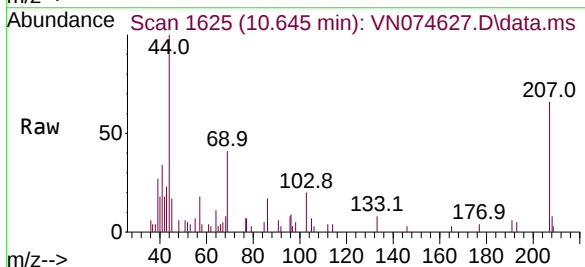
Tgt Ion: 69 Resp: 4510

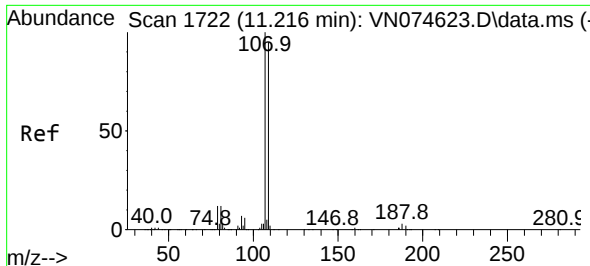
Ion Ratio Lower Upper

69 100

41 67.5 32.5 97.5

39 31.0 21.5 64.5

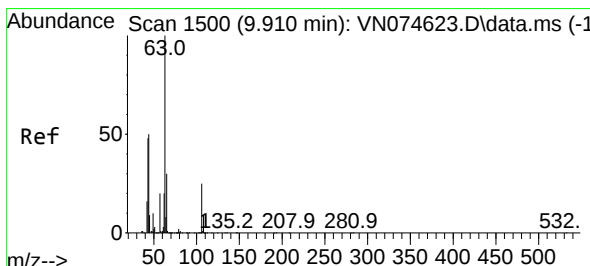
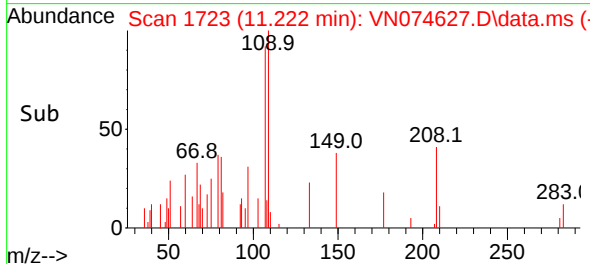
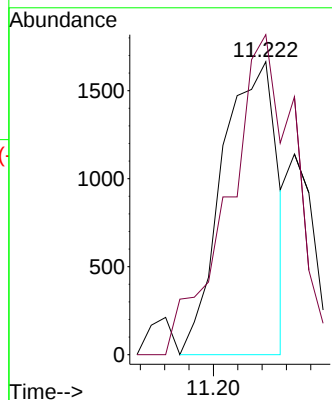
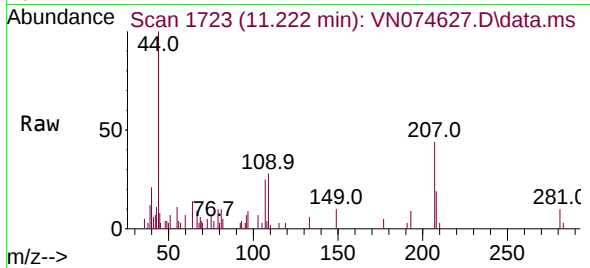




#54
1,2-Dibromoethane
Concen: 0.212 ug/l
RT: 11.222 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

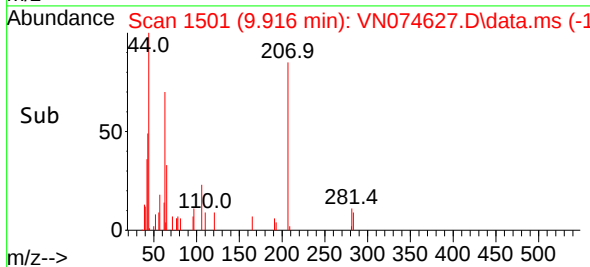
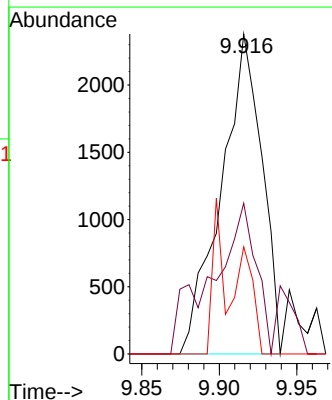
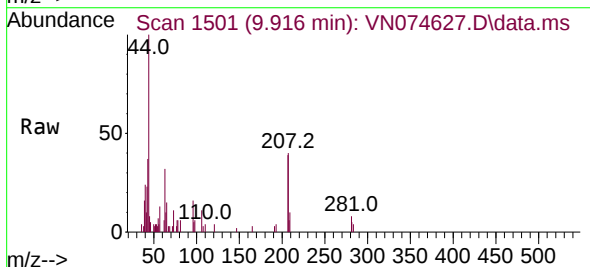
Instrument :
MSVOA_N
ClientSampleId :

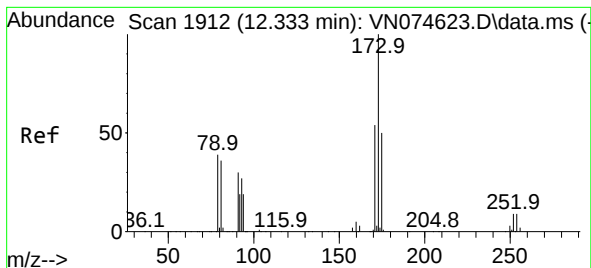
Tgt Ion:107 Resp: 2608
Ion Ratio Lower Upper
107 100
109 126.0 76.2 114.2#



#55
2-Chloroethyl vinyl ether
Concen: 0.503 ug/l
RT: 9.916 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 63 Resp: 4353
Ion Ratio Lower Upper
63 100
65 40.8 24.6 36.8#
106 14.3 21.3 31.9#





#56

Bromoform

Concen: 0.216 ug/l

RT: 12.339 min Scan# 1912

Delta R.T. 0.006 min

Lab File: VN074627.D

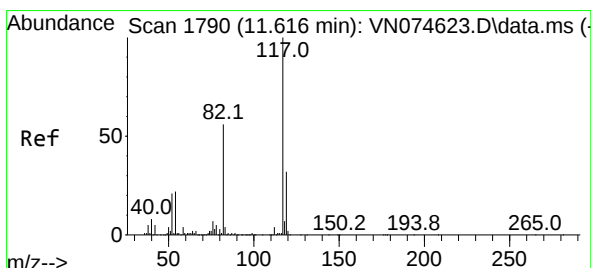
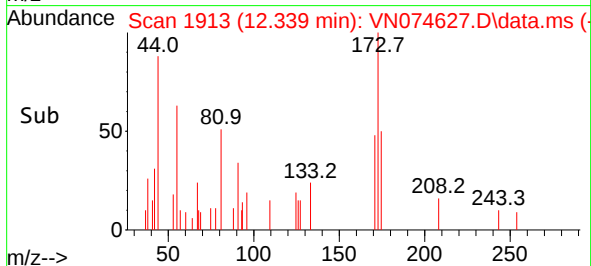
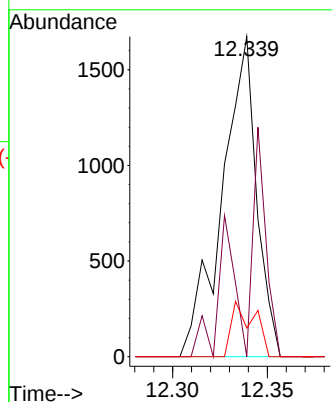
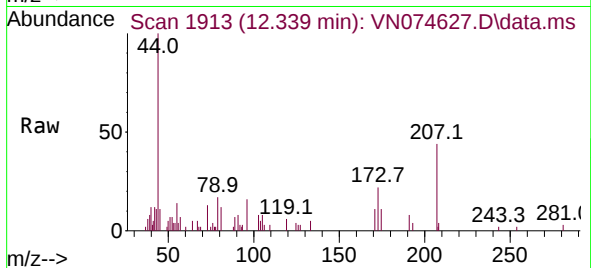
Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	2116
Ion Ratio	Lower	Upper
173	100	
175	26.6	39.1 58.7#
254	11.4	7.0 10.6#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

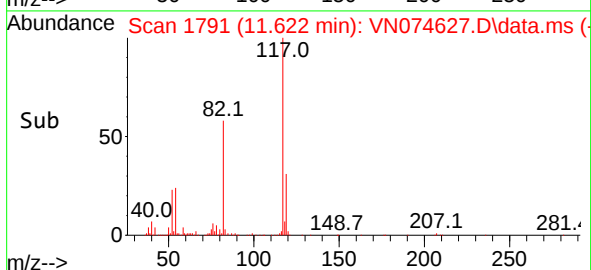
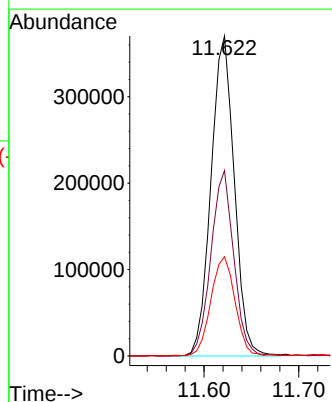
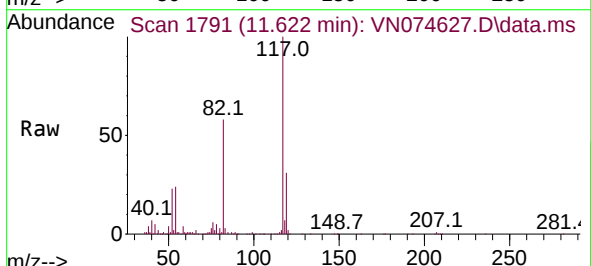
RT: 11.622 min Scan# 1791

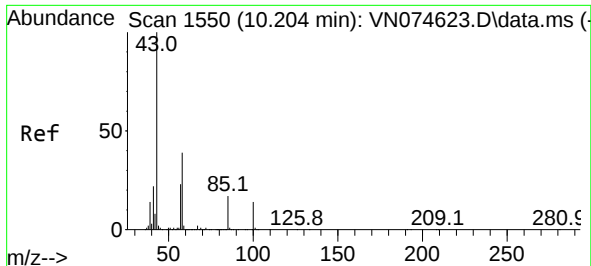
Delta R.T. 0.006 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Tgt Ion:117	Resp:	632618
Ion Ratio	Lower	Upper
117	100	
82	56.9	44.6 67.0
119	32.0	25.6 38.4

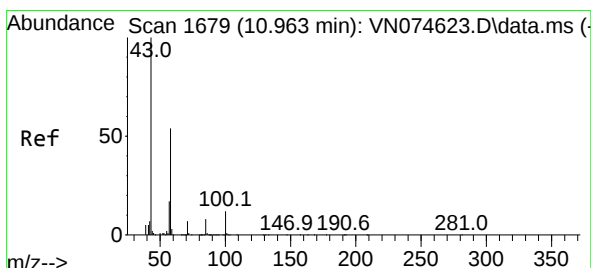
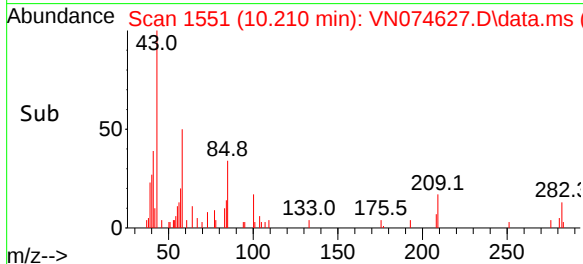
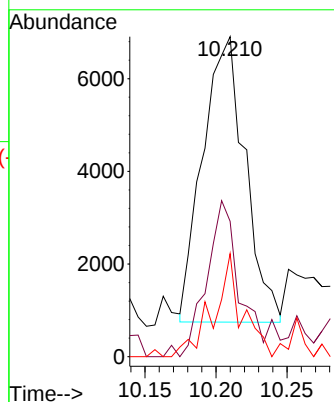
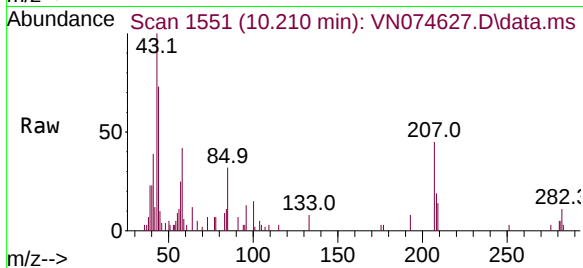




#58
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 10.210 min Scan# 1551
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

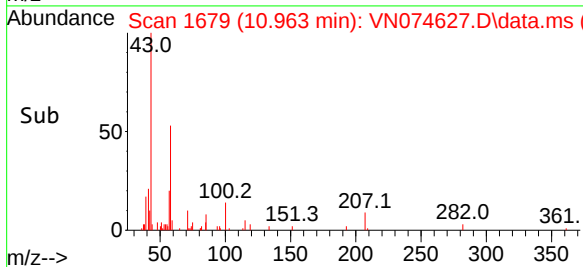
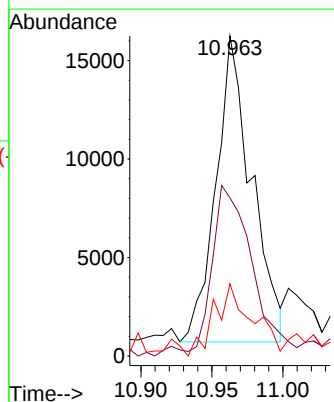
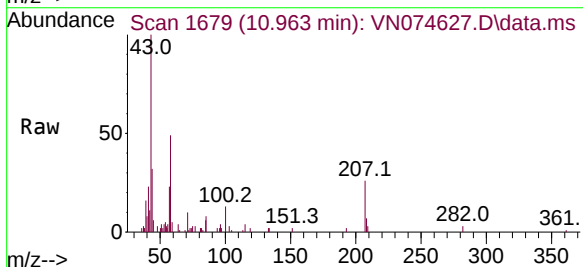
Instrument :
MSVOA_N
ClientSampleId :

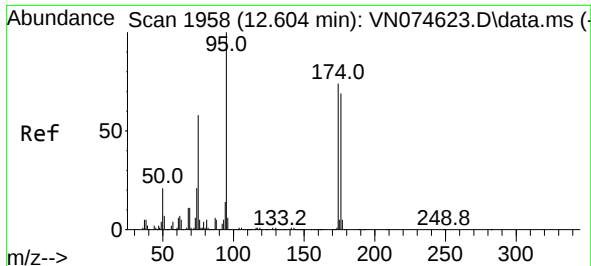
Tgt Ion: 43 Resp: 12796
Ion Ratio Lower Upper
43 100
58 37.9 30.8 46.2
85 11.3 13.3 19.9#



#59
2-Hexanone
Concen: 1.788 ug/l
RT: 10.963 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 43 Resp: 27181
Ion Ratio Lower Upper
43 100
58 62.1 43.6 65.4
57 20.3 14.3 21.5

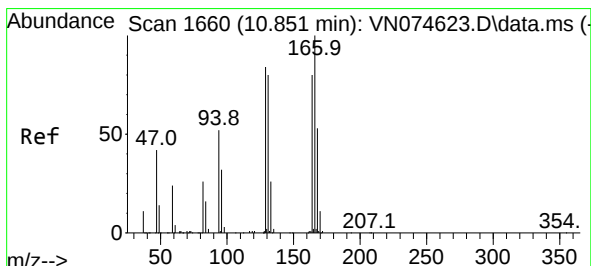
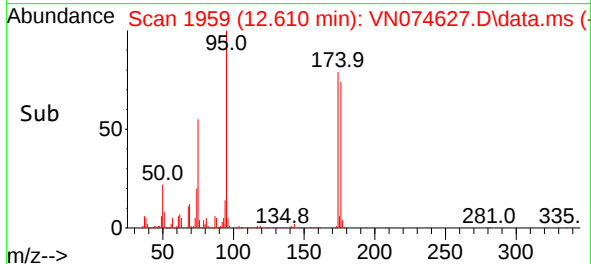
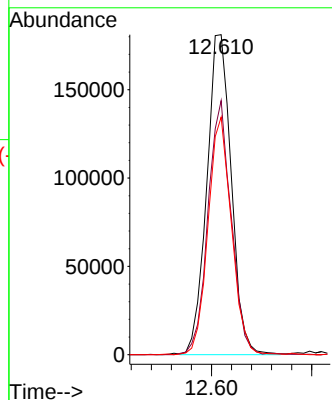
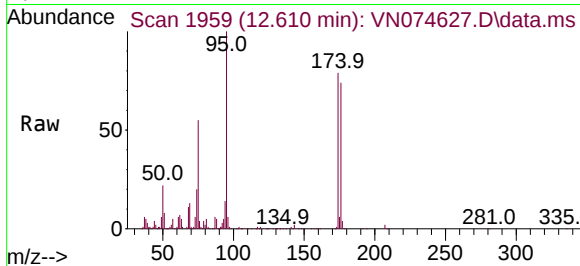




#60
4-Bromofluorobenzene
Concen: 25.042 ug/l
RT: 12.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

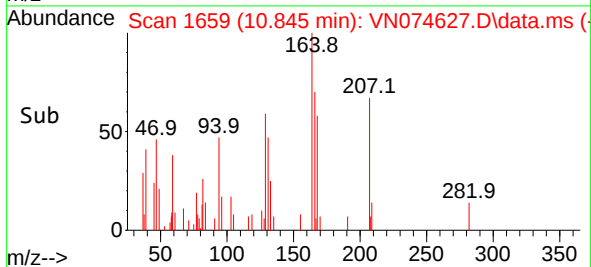
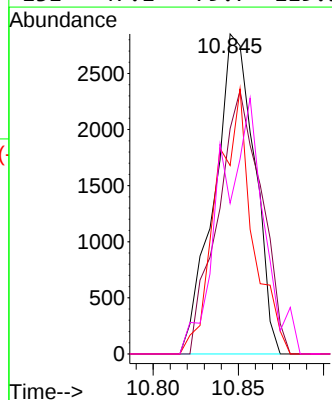
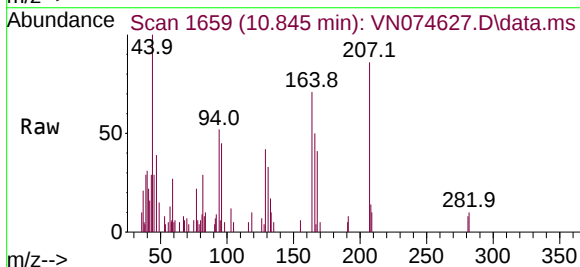
Instrument :
MSVOA_N
ClientSampleId :

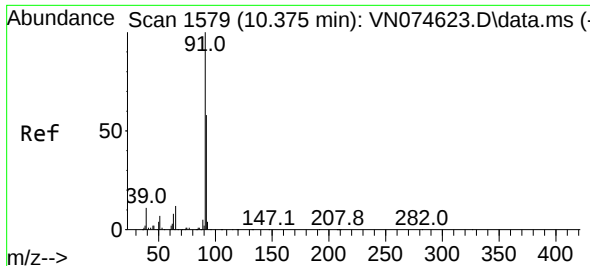
Tgt Ion: 95 Resp: 307726
Ion Ratio Lower Upper
95 100
174 75.0 57.8 86.8
176 70.8 57.0 85.4



#61
Tetrachloroethene
Concen: 0.664 ug/l
RT: 10.845 min Scan# 1659
Delta R.T. -0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion:164 Resp: 4684
Ion Ratio Lower Upper
164 100
166 70.4 99.6 149.4#
129 58.9 84.0 126.0#
131 47.1 79.7 119.5#

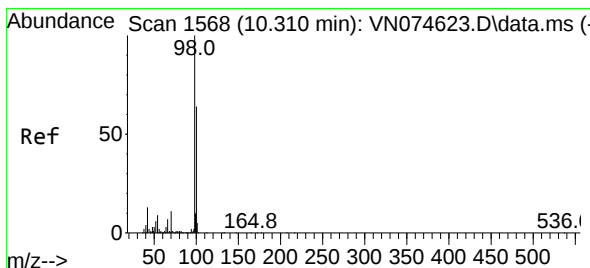
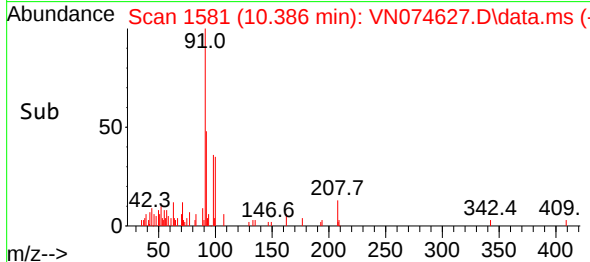
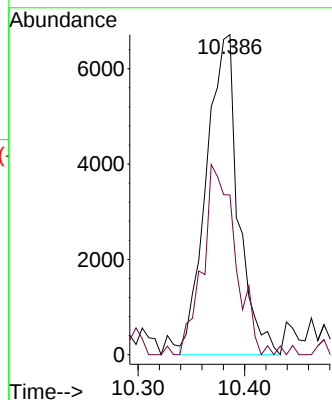
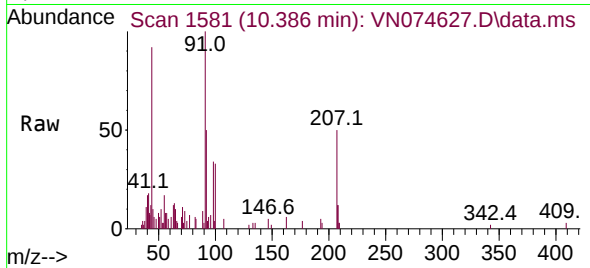




#62
Toluene
Concen: 0.303 ug/l
RT: 10.386 min Scan# 1581
Delta R.T. 0.012 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

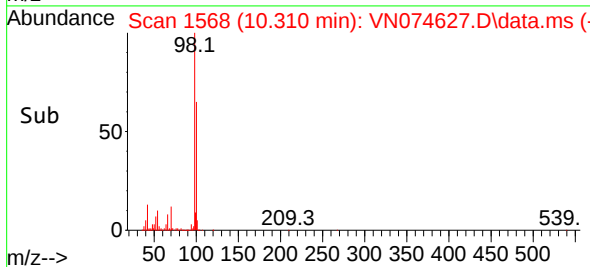
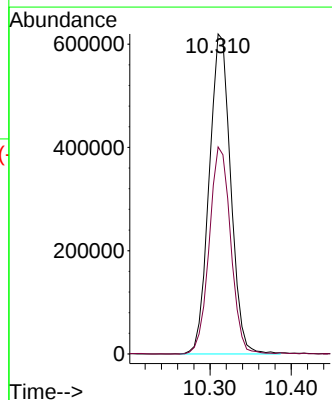
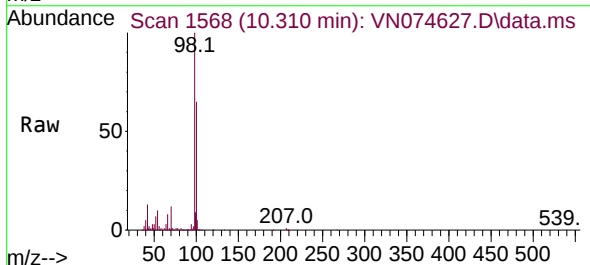
Instrument :
MSVOA_N
ClientSampleId :

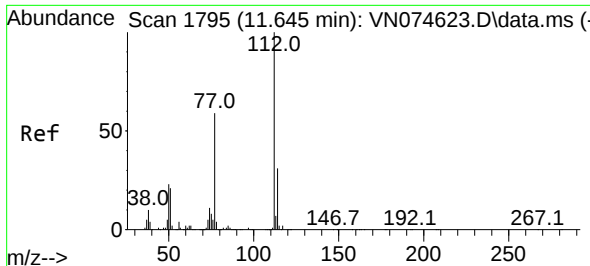
Tgt Ion: 91 Resp: 14026
Ion Ratio Lower Upper
91 100
92 55.4 46.0 69.0



#63
Toluene-d8
Concen: 31.926 ug/l
RT: 10.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 98 Resp: 1139202
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1

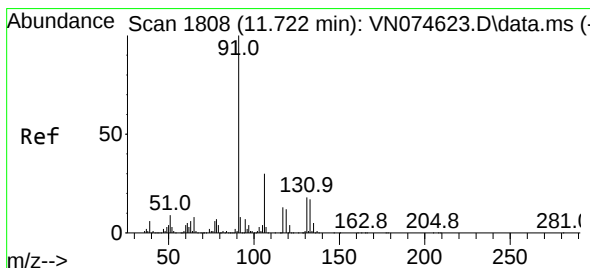
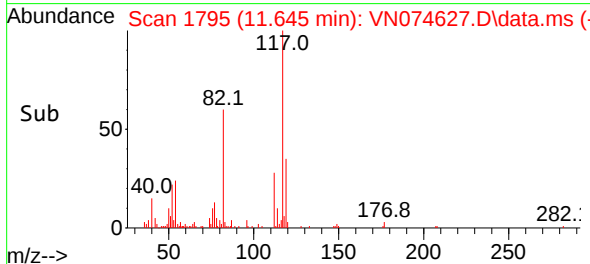
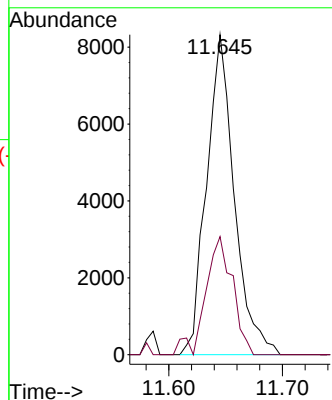
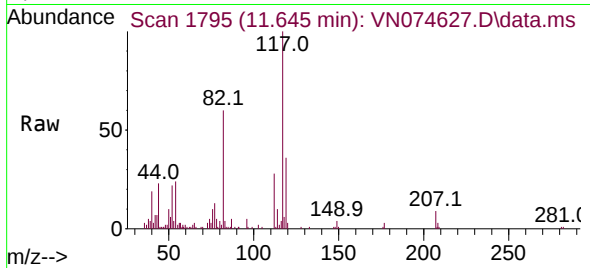




#64
Chlorobenzene
Concen: 0.532 ug/l
RT: 11.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

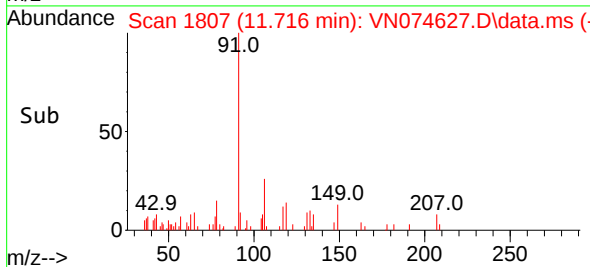
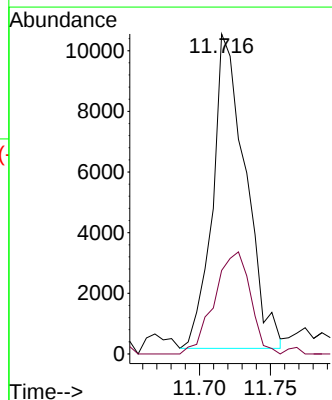
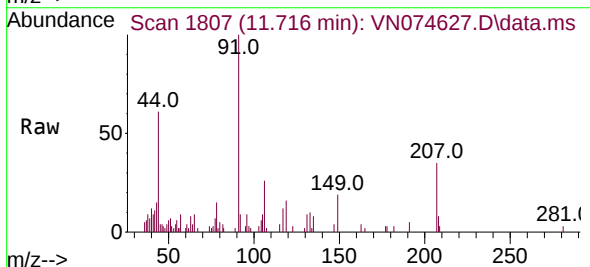
Instrument :
MSVOA_N
ClientSampleId :

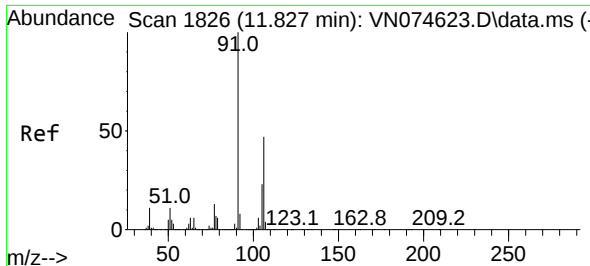
Tgt Ion:112 Resp: 14129
Ion Ratio Lower Upper
112 100
114 36.9 24.7 37.1



#66
Ethyl Benzene
Concen: 0.340 ug/l
RT: 11.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 91 Resp: 16741
Ion Ratio Lower Upper
91 100
106 26.5 24.1 36.1

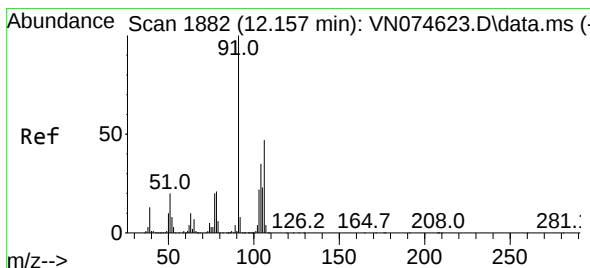
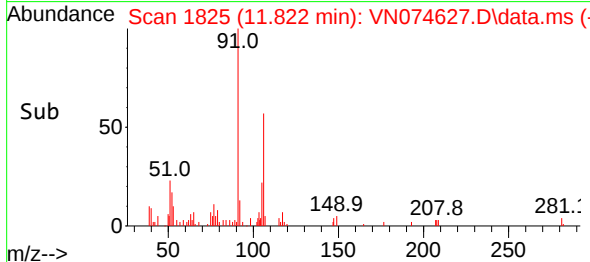
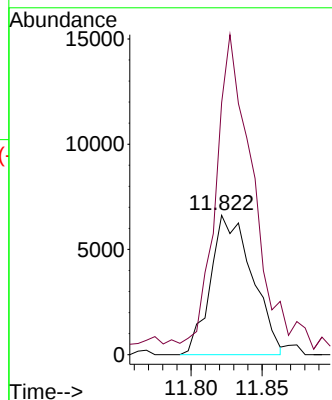
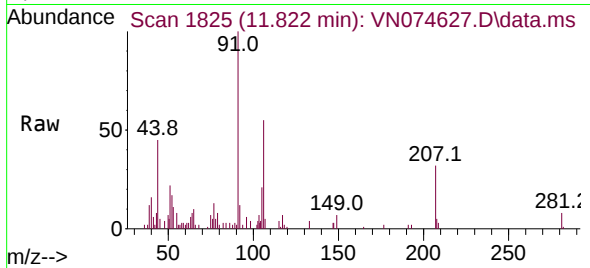




#67
m/p-Xylenes
Concen: 0.686 ug/l
RT: 11.822 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

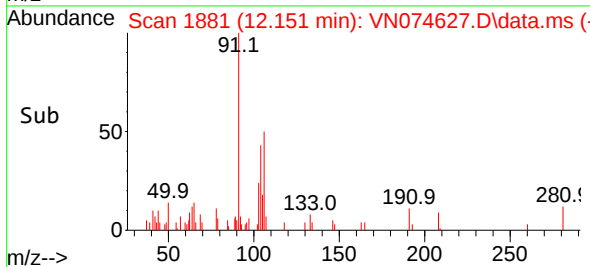
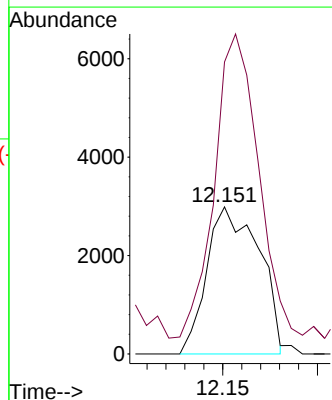
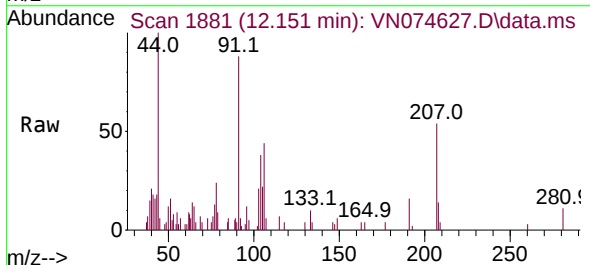
Instrument :
MSVOA_N
ClientSampleId :

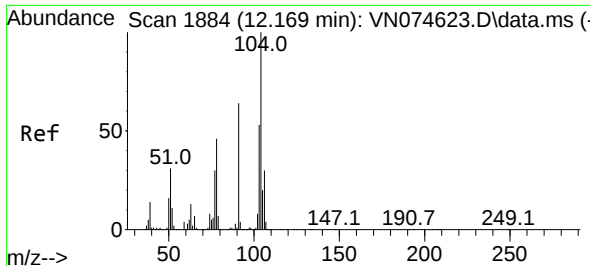
Tgt Ion:106 Resp: 13540
Ion Ratio Lower Upper
106 100
91 200.8 164.2 246.4



#68
o-Xylene
Concen: 0.286 ug/l
RT: 12.151 min Scan# 1881
Delta R.T. -0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion:106 Resp: 5760
Ion Ratio Lower Upper
106 100
91 176.6 108.5 325.5

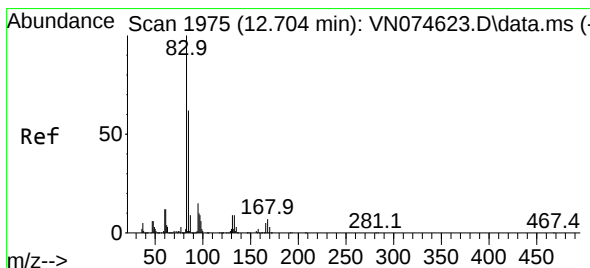
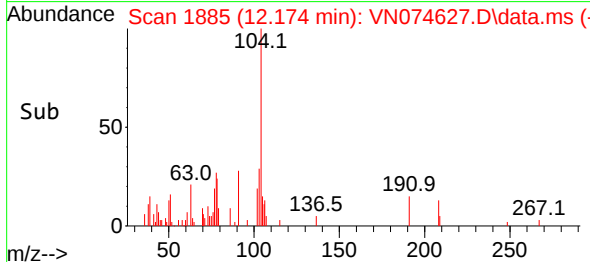
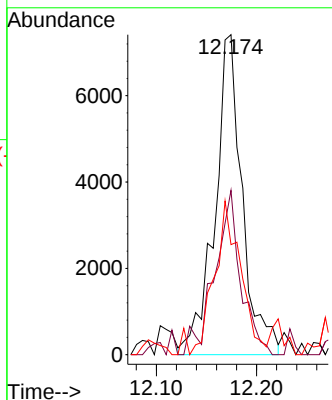
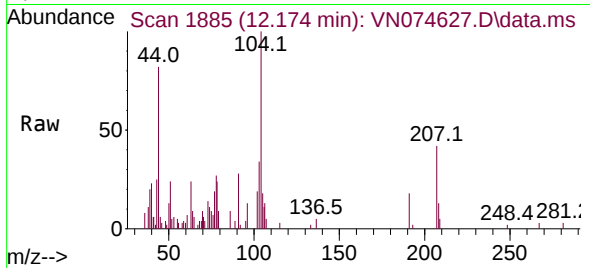




#69
Styrene
Concen: 0.417 ug/l
RT: 12.174 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

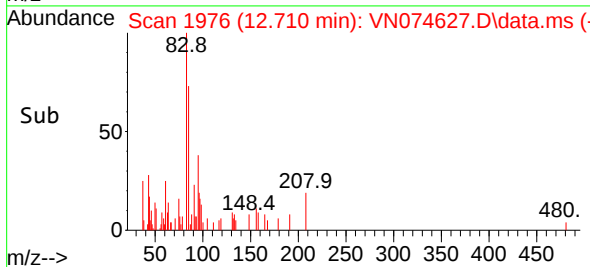
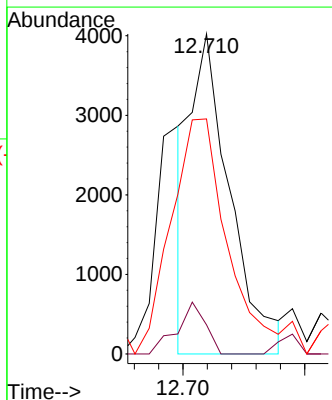
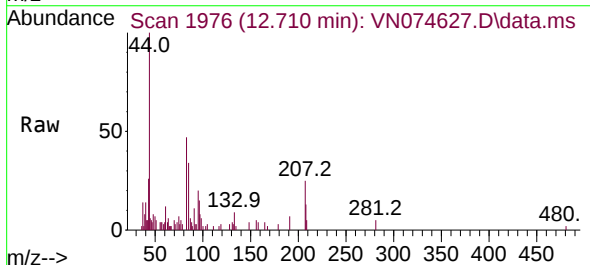
Instrument :
MSVOA_N
ClientSampleId :

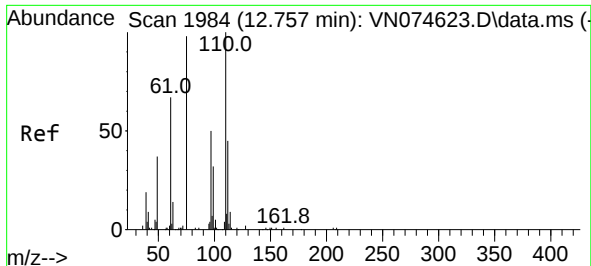
Tgt Ion:104 Resp: 14092
Ion Ratio Lower Upper
104 100
78 45.7 39.9 59.9
103 45.9 43.8 65.8



#71
1,1,2,2-Tetrachloroethane
Concen: 0.250 ug/l
RT: 12.710 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 83 Resp: 4558
Ion Ratio Lower Upper
83 100
131 11.6 4.5 13.5
85 103.3 30.9 92.7#

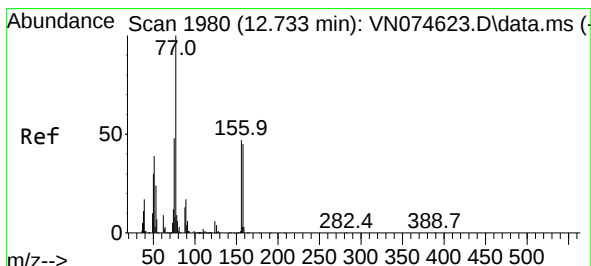
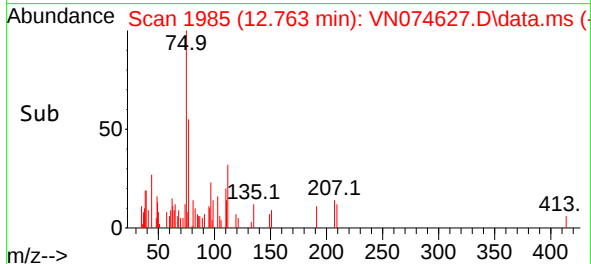
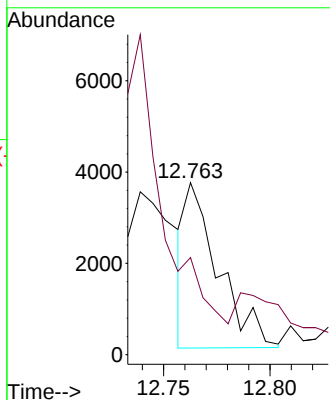
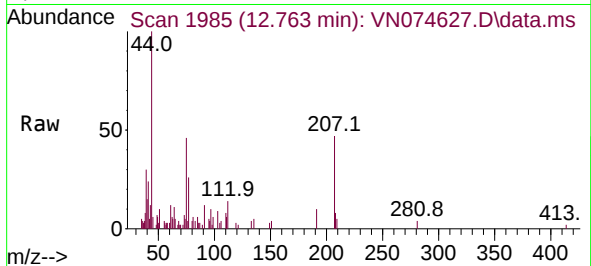




#72
1,2,3-Trichloropropane
Concen: 0.286 ug/l
RT: 12.763 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

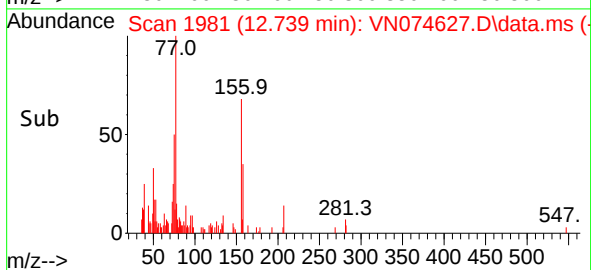
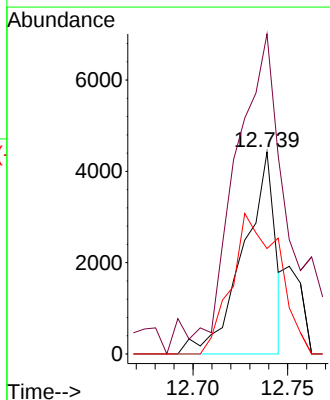
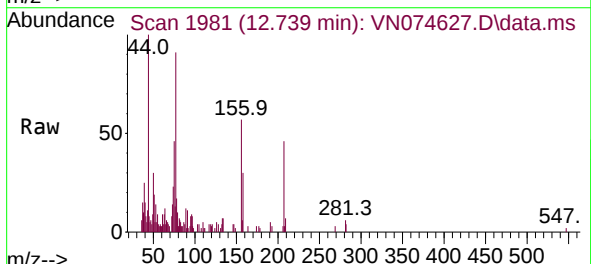
Instrument :
MSVOA_N
ClientSampleId :

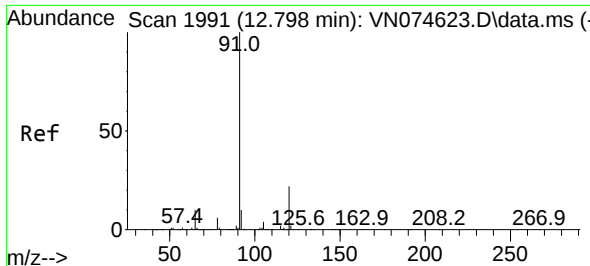
Tgt Ion: 75 Resp: 3936
Ion Ratio Lower Upper
75 100
77 0.0 0.0 372.4



#73
Bromobenzene
Concen: 0.503 ug/l
RT: 12.739 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion:156 Resp: 5186
Ion Ratio Lower Upper
156 100
77 205.6 0.0 491.8
158 75.3 0.0 185.0

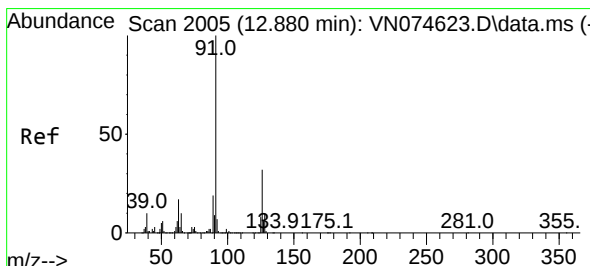
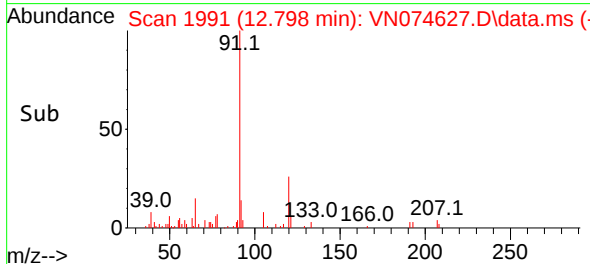
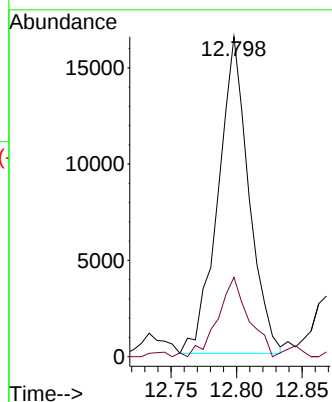
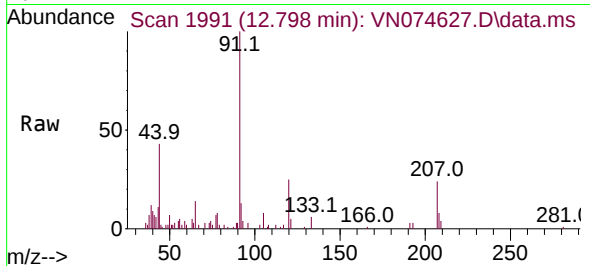




#74
n-propylbenzene
Concen: 0.464 ug/l
RT: 12.798 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

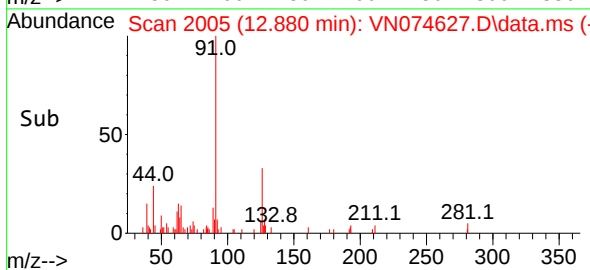
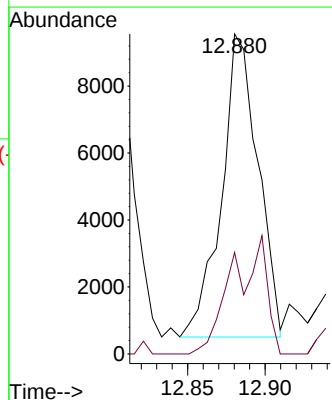
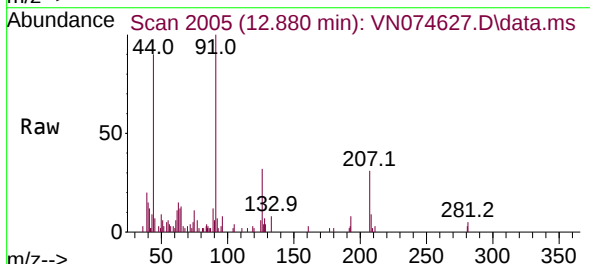
Instrument :
MSVOA_N
ClientSampleId :

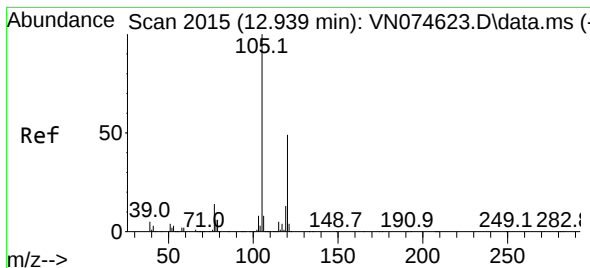
Tgt Ion: 91 Resp: 26821
Ion Ratio Lower Upper
91 100
120 24.9 0.0 44.6



#75
2-Chlorotoluene
Concen: 0.422 ug/l
RT: 12.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 91 Resp: 14793
Ion Ratio Lower Upper
91 100
126 19.7 0.0 66.2

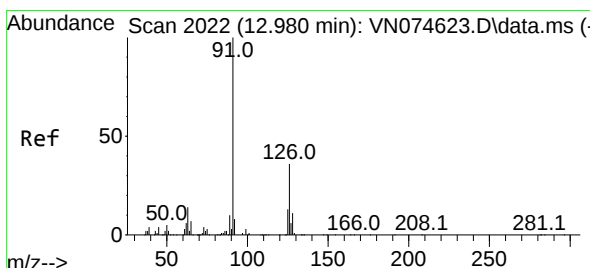
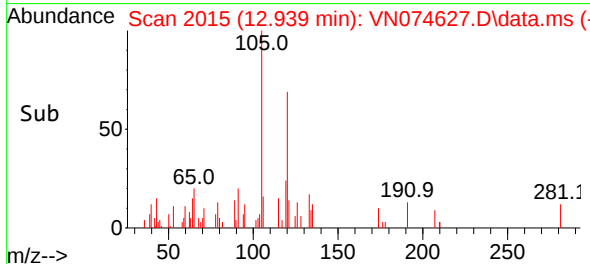
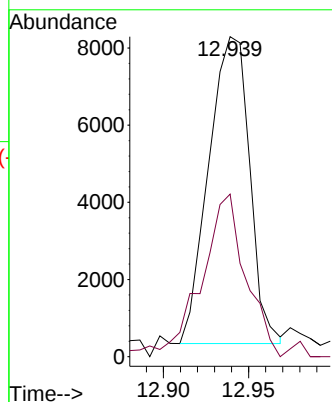
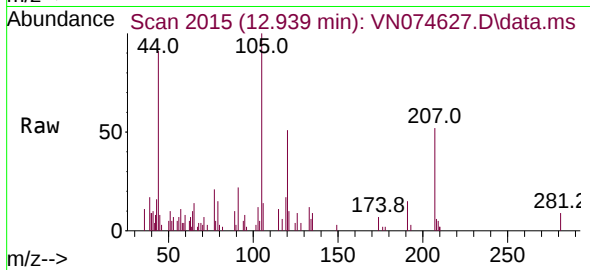




#76
 1,3,5-Trimethylbenzene
 Concen: 0.307 ug/l
 RT: 12.939 min Scan# 2015
 Delta R.T. -0.000 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

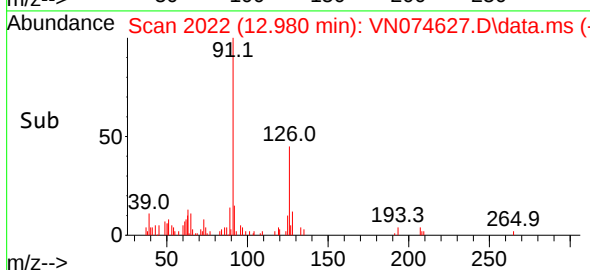
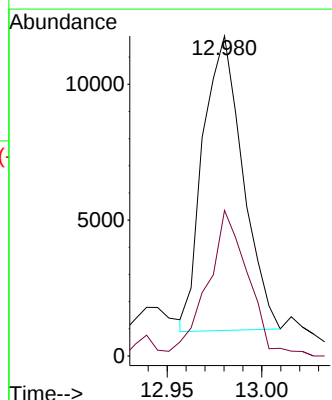
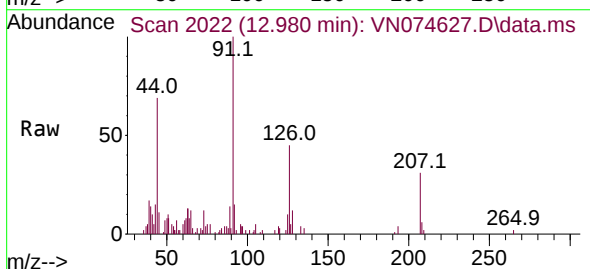
Instrument :
 MSVOA_N
 ClientSampleId :

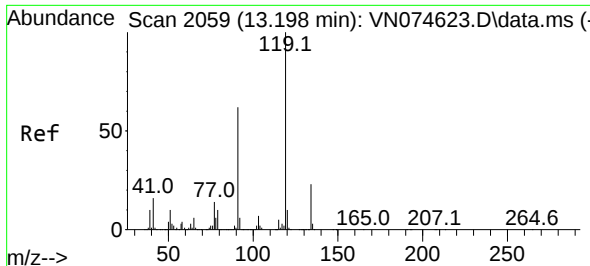
Tgt Ion:105 Resp: 13275
 Ion Ratio Lower Upper
 105 100
 120 56.1 0.0 97.4



#78
 4-Chlorotoluene
 Concen: 0.450 ug/l
 RT: 12.980 min Scan# 2022
 Delta R.T. -0.000 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

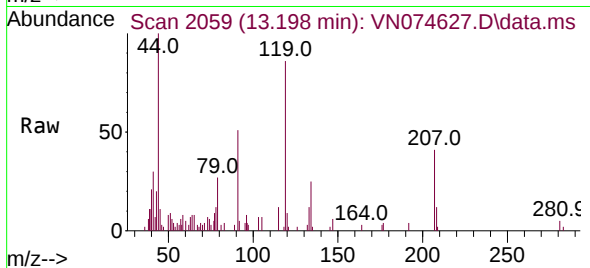
Tgt Ion: 91 Resp: 15819
 Ion Ratio Lower Upper
 91 100
 126 48.9 0.0 67.8



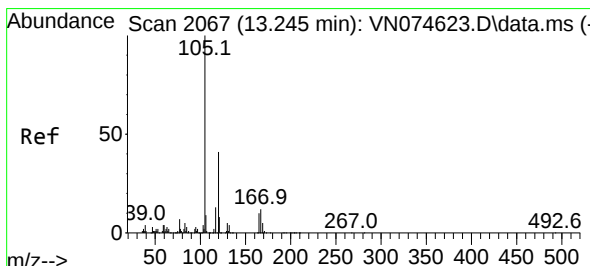
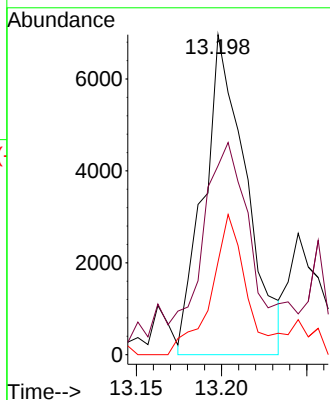
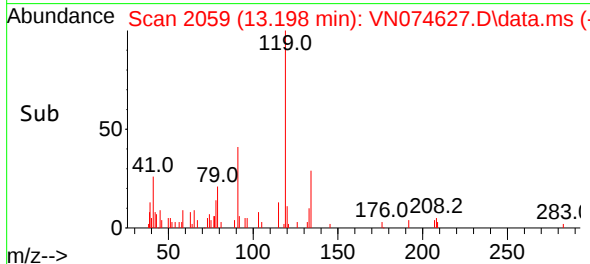


#79
tert-butylbenzene
Concen: 0.318 ug/l
RT: 13.198 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

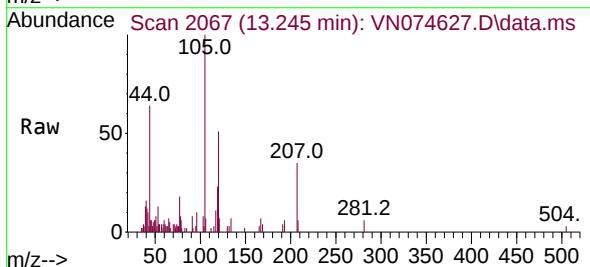
Instrument :
MSVOA_N
ClientSampleId :



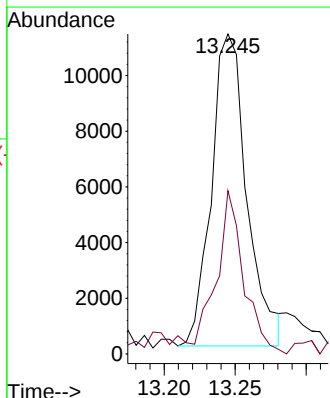
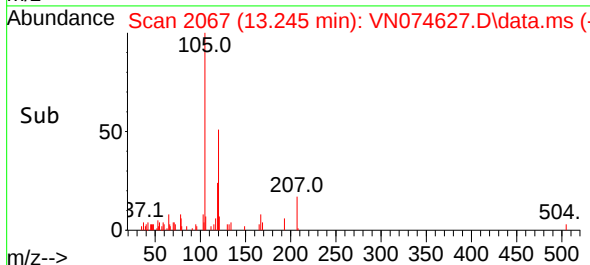
Tgt Ion:119 Resp: 12017
Ion Ratio Lower Upper
119 100
91 68.7 0.0 129.0
134 35.1 0.0 52.2

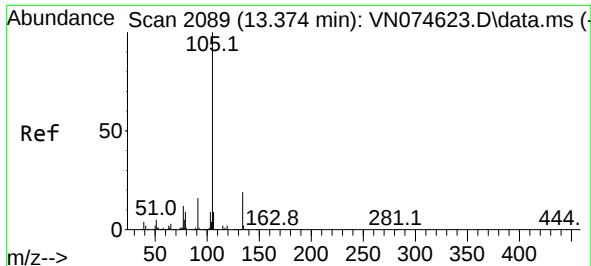


#80
1,2,4-Trimethylbenzene
Concen: 0.455 ug/l
RT: 13.245 min Scan# 2067
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05



Tgt Ion:105 Resp: 19419
Ion Ratio Lower Upper
105 100
120 40.4 0.0 93.2

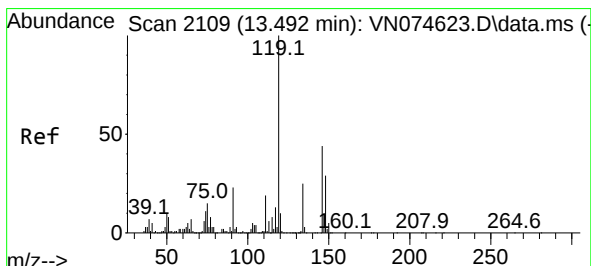
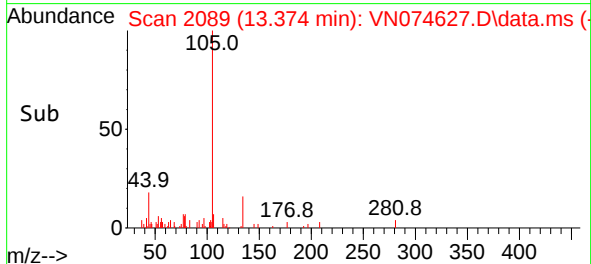
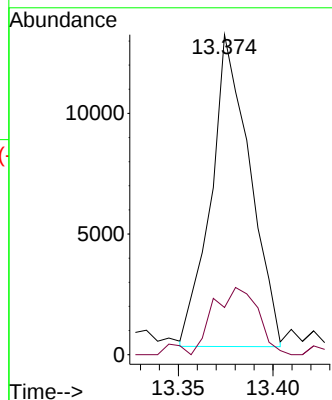
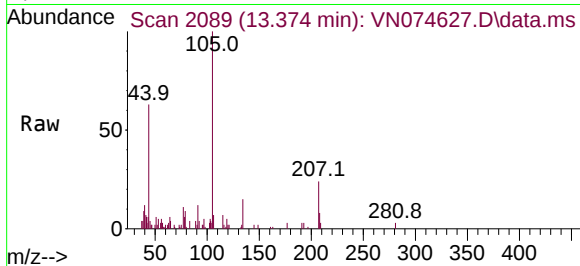




#81
 sec-Butylbenzene
 Concen: 0.346 ug/l
 RT: 13.374 min Scan# 2089
 Delta R.T. -0.000 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

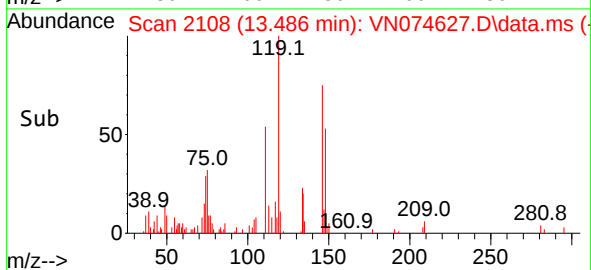
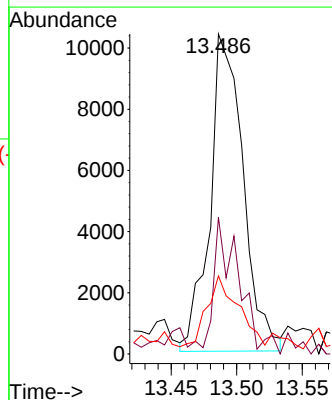
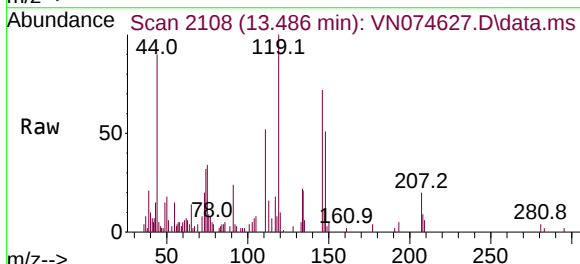
Instrument :
 MSVOA_N
 ClientSampleId :

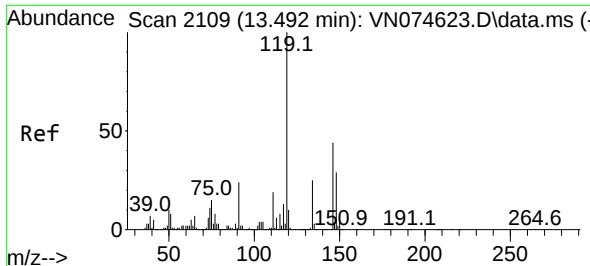
Tgt Ion:105 Resp: 18515
 Ion Ratio Lower Upper
 105 100
 134 24.6 0.0 38.8



#82
 p-Isopropyltoluene
 Concen: 0.413 ug/l
 RT: 13.486 min Scan# 2108
 Delta R.T. -0.006 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

Tgt Ion:119 Resp: 18216
 Ion Ratio Lower Upper
 119 100
 134 30.6 0.0 51.4
 91 20.9 0.0 46.8

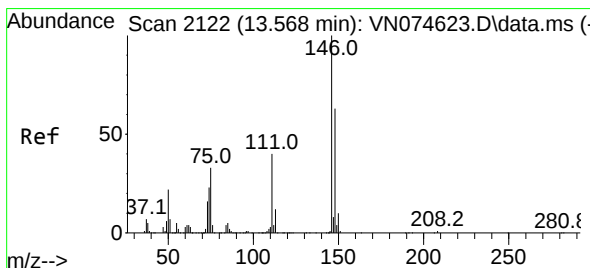
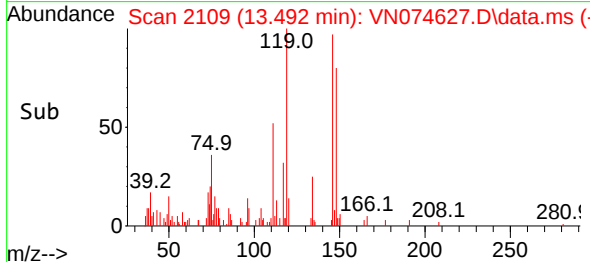
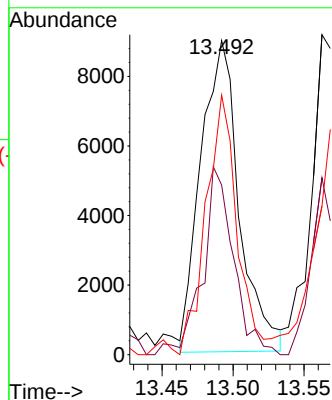
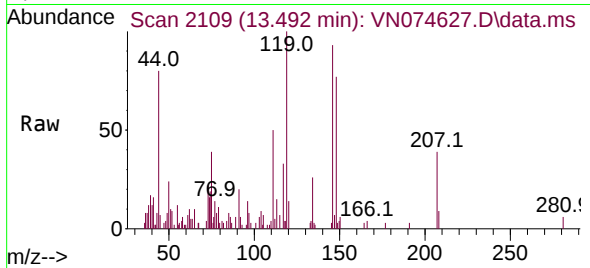




#83
 1,3-Dichlorobenzene
 Concen: 0.797 ug/l
 RT: 13.492 min Scan# 2109
 Delta R.T. -0.000 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

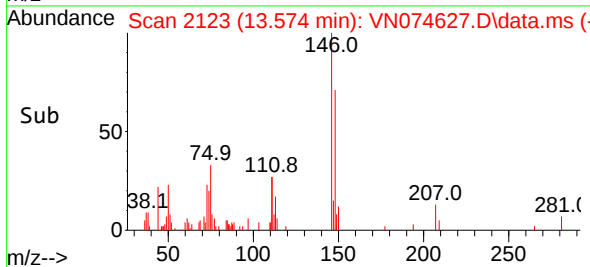
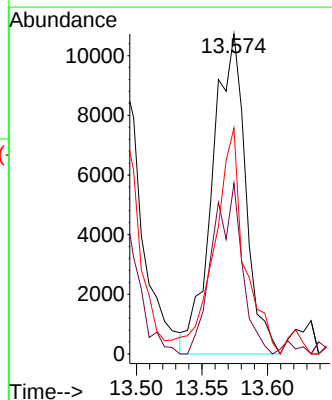
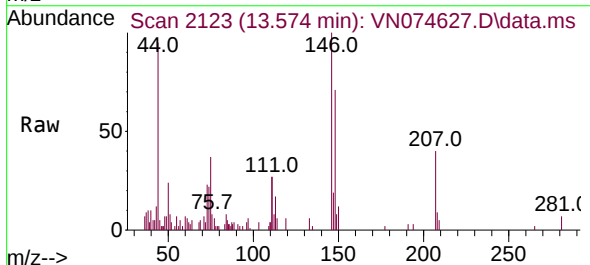
Instrument :
 MSVOA_N
 ClientSampleId :

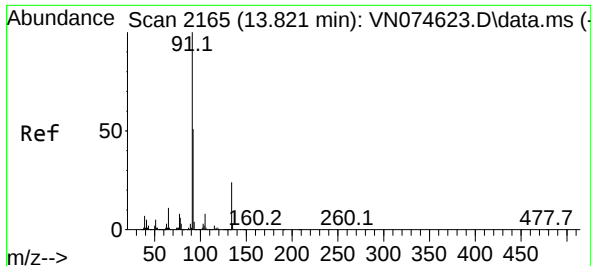
Tgt Ion:146 Resp: 16874
 Ion Ratio Lower Upper
 146 100
 111 46.9 20.5 61.5
 148 66.6 31.0 93.0



#84
 1,4-Dichlorobenzene
 Concen: 0.894 ug/l
 RT: 13.574 min Scan# 2123
 Delta R.T. 0.006 min
 Lab File: VN074627.D
 Acq: 27 Sep 2022 14:05

Tgt Ion:146 Resp: 18840
 Ion Ratio Lower Upper
 146 100
 111 47.4 19.1 57.5
 148 64.8 31.7 95.1

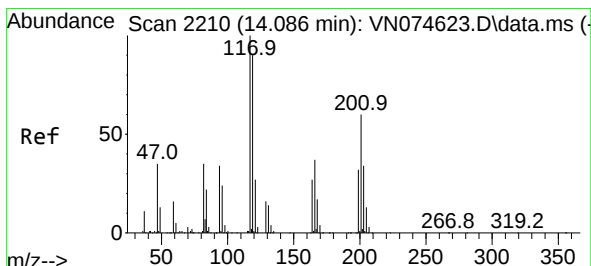
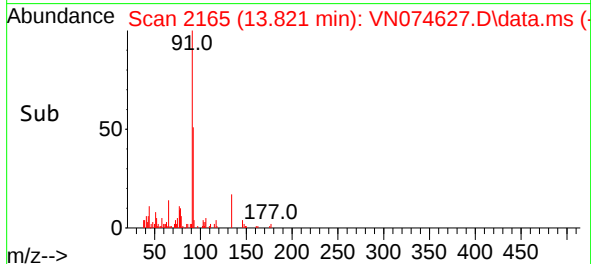
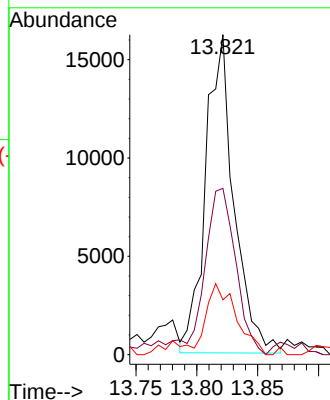
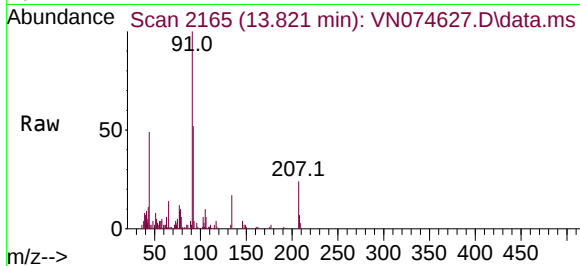




#85
n-Butylbenzene
Concen: 0.698 ug/l
RT: 13.821 min Scan# 2165
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

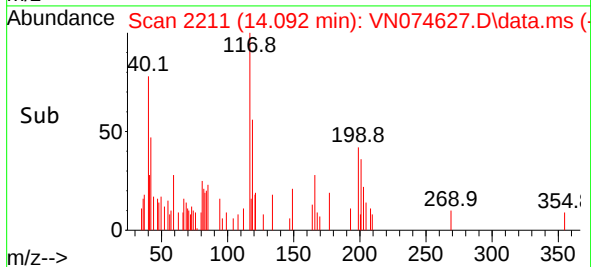
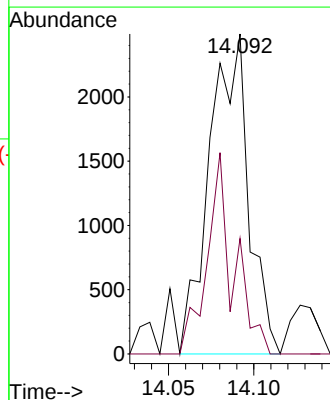
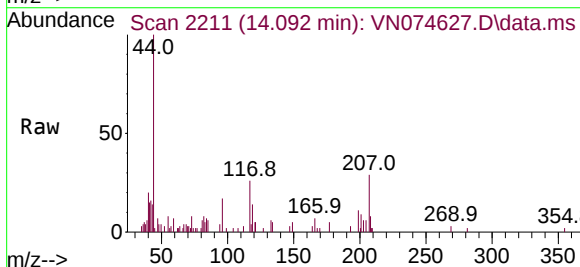
Instrument :
MSVOA_N
ClientSampleId :

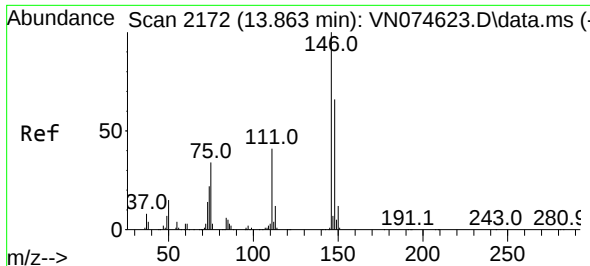
Tgt Ion: 91 Resp: 26233
Ion Ratio Lower Upper
91 100
92 55.3 0.0 105.4
134 23.4 0.0 46.4



#86
Hexachloroethane
Concen: 0.468 ug/l
RT: 14.092 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

Tgt Ion: 117 Resp: 3974
Ion Ratio Lower Upper
117 100
201 30.4 29.4 88.3

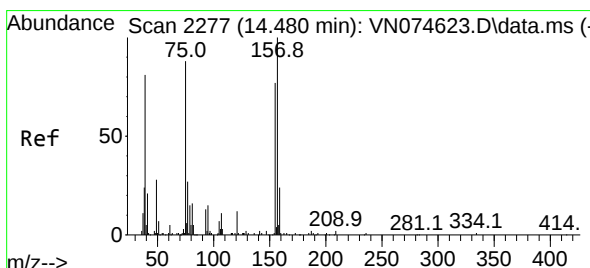
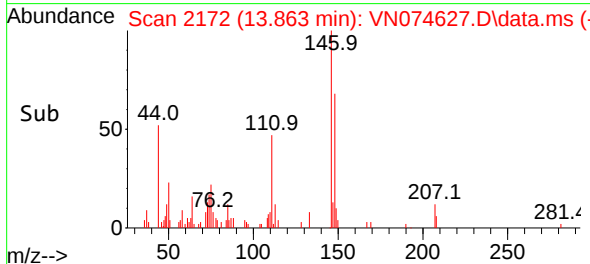
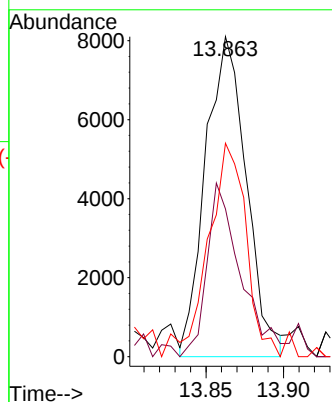
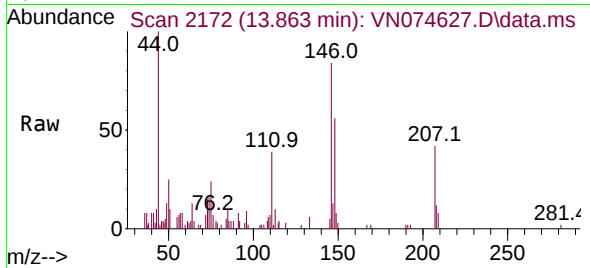




#87
1,2-Dichlorobenzene
Concen: 0.684 ug/l
RT: 13.863 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

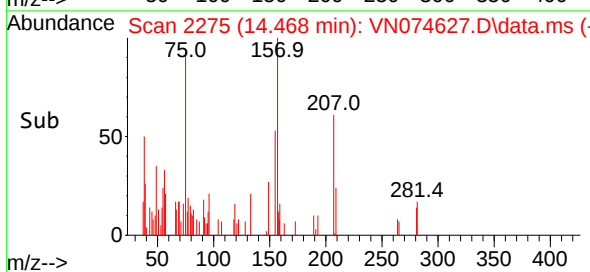
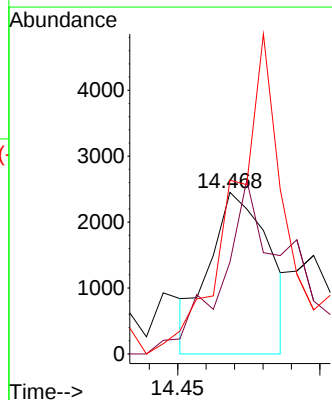
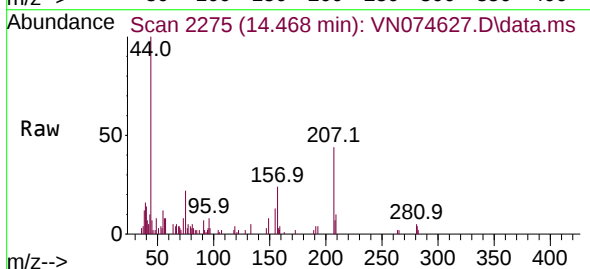
Instrument :
MSVOA_N
ClientSampleId :

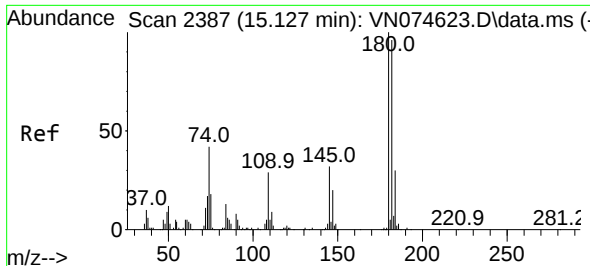
Tgt Ion:146 Resp: 14827
Ion Ratio Lower Upper
146 100
111 44.8 21.4 64.2
148 59.6 30.6 92.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.934 ug/l
RT: 14.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

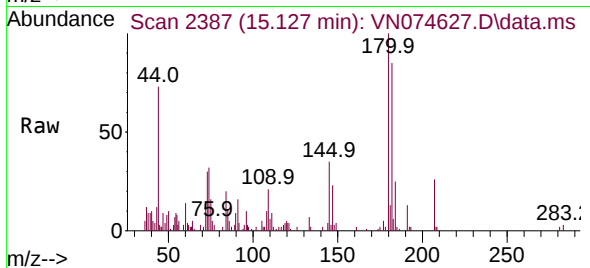
Tgt Ion: 75 Resp: 3564
Ion Ratio Lower Upper
75 100
155 89.8 66.3 99.5
157 164.9 84.3 126.5#



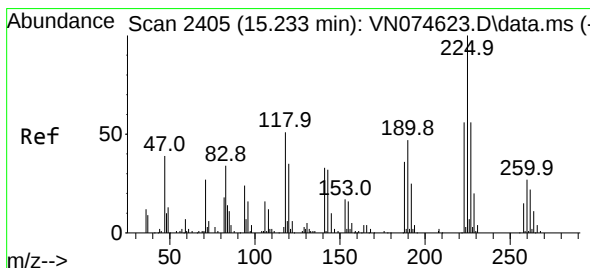
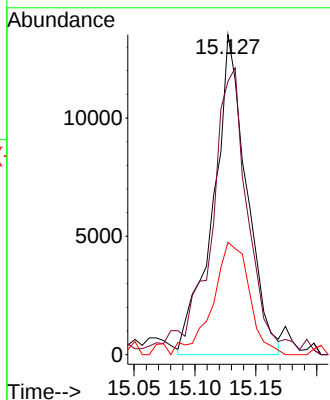
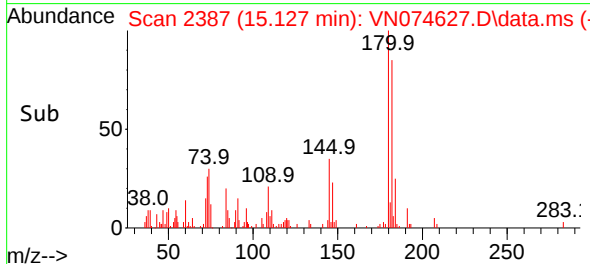


#89
1,2,4-Trichlorobenzene
Concen: 2.858 ug/l
RT: 15.127 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05

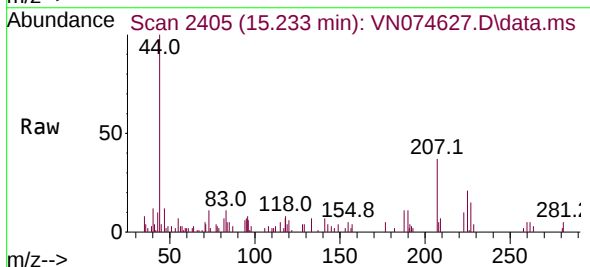
Instrument :
MSVOA_N
ClientSampleId :



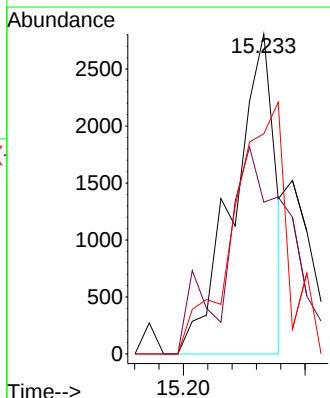
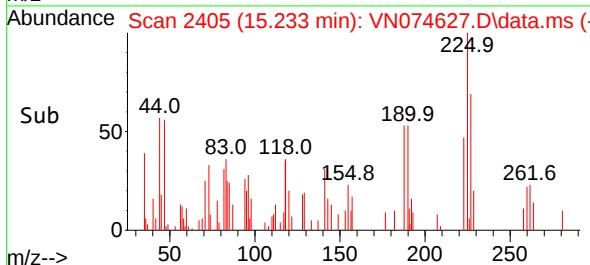
Tgt Ion:180 Resp: 25833
Ion Ratio Lower Upper
180 100
182 92.7 74.9 112.3
145 37.2 26.3 39.5

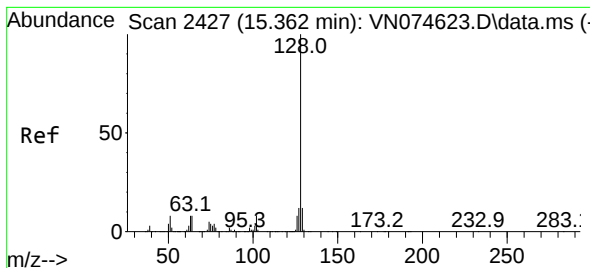


#90
Hexachlorobutadiene
Concen: 0.842 ug/l
RT: 15.233 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN074627.D
Acq: 27 Sep 2022 14:05



Tgt Ion:225 Resp: 3354
Ion Ratio Lower Upper
225 100
223 38.5 0.0 125.0
227 79.1 0.0 123.0





#91

Naphthalene

Concen: 4.606 ug/l

RT: 15.362 min Scan# 2427

Delta R.T. -0.000 min

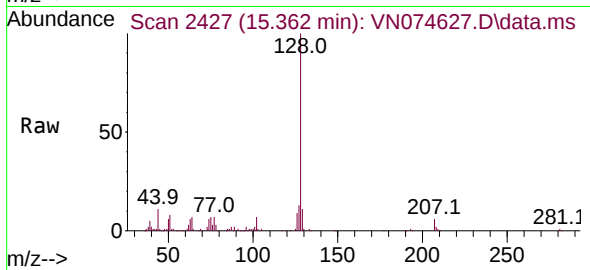
Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :



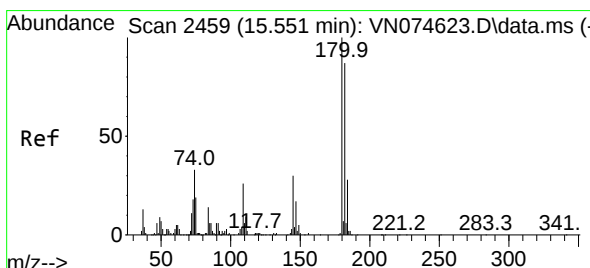
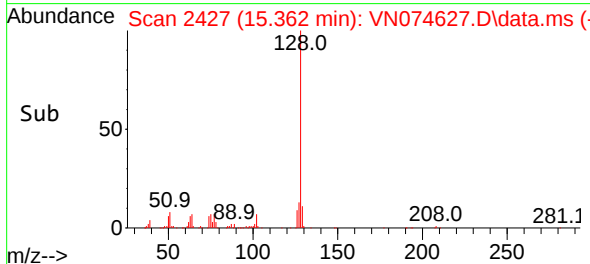
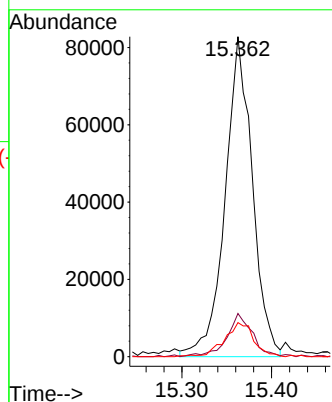
Tgt Ion:128 Resp: 174641

Ion Ratio Lower Upper

128 100

127 12.1 10.7 16.1

129 11.2 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 3.774 ug/l

RT: 15.551 min Scan# 2459

Delta R.T. -0.000 min

Lab File: VN074627.D

Acq: 27 Sep 2022 14:05

Tgt Ion:180 Resp: 34204

Ion Ratio Lower Upper

180 100

182 90.9 0.0 185.4

145 12.9 0.0 68.6

