

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031497.D
 Acq On : 20 Sep 2022 15:47
 Operator : JC/MD
 Sample : N4641-09
 Misc : 6.54G/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B22002-17.5

Quant Time: Sep 21 04:54:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

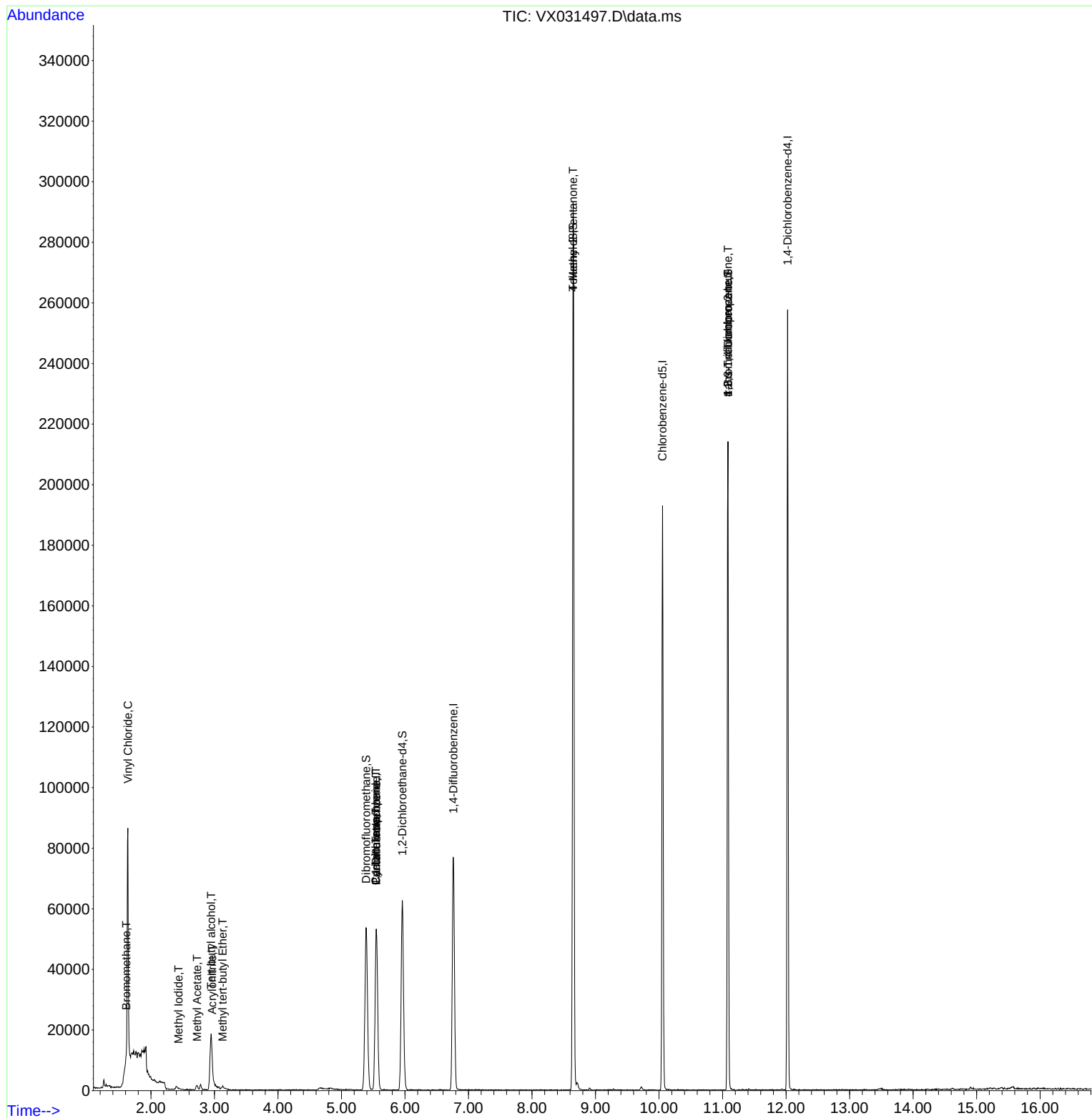
Internal Standards						
1) Pentafluorobenzene	5.550	168	51861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	81290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	82382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54736	57.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.220%			
35) Dibromofluoromethane	5.385	113	44703	53.251	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.500%			
50) Toluene-d8	8.646	98	171402	52.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.840%			
62) 4-Bromofluorobenzene	11.085	95	49554	45.171	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.340%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.636	62	495	0.439	ug/l #	64
5) Bromomethane	1.611	94	1213	0.755	ug/l	87
6) Chloroethane	1.721	64	146	Below Cal	#	56
10) Methyl Iodide	2.434	142	343	0.425	ug/l #	91
11) Tert butyl alcohol	2.946	59	12135	32.520	ug/l #	75
13) Acrolein	2.142	56	19	Below Cal	#	1
15) Acrylonitrile	2.965	53	147	0.294	ug/l #	17
16) Acetone	2.410	43	727	Below Cal		96
18) Methyl Acetate	2.727	43	2082	1.465	ug/l	100
19) Methyl tert-butyl Ether	3.129	73	925	0.317	ug/l	93
20) Methylene Chloride	2.782	84	677	Below Cal	#	79
31) Cyclohexane	5.543	56	1402	0.994	ug/l #	66
36) 1,1-Dichloropropene	5.543	75	4303	3.330	ug/l #	45
38) Carbon Tetrachloride	5.543	117	5129	3.581	ug/l #	17
51) 4-Methyl-2-Pentanone	8.646	43	905	0.594	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.085	83	104	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.085	75	28454	25.705	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	28454	82.767	ug/l #	11

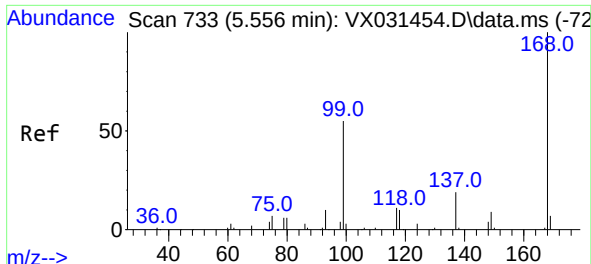
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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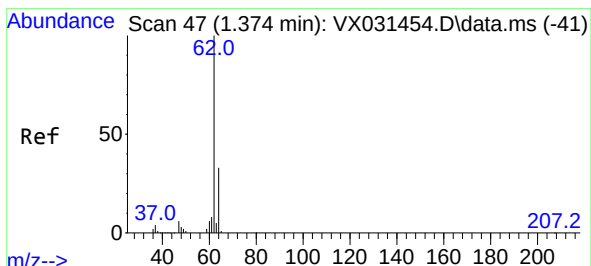
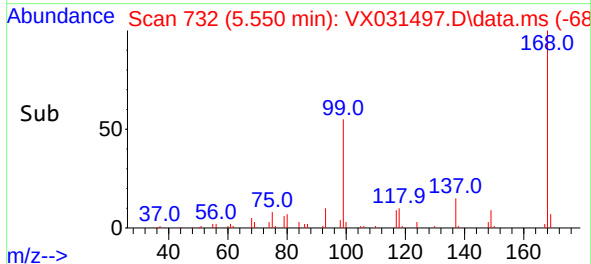
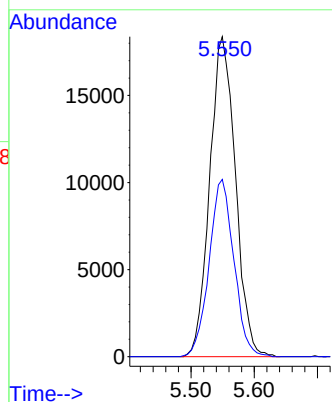
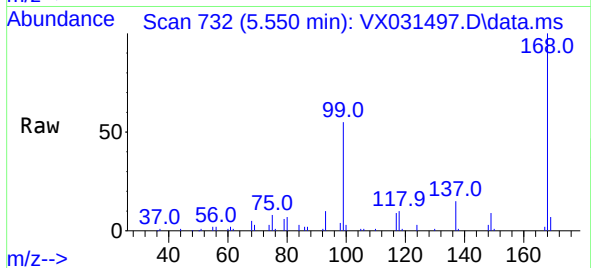




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

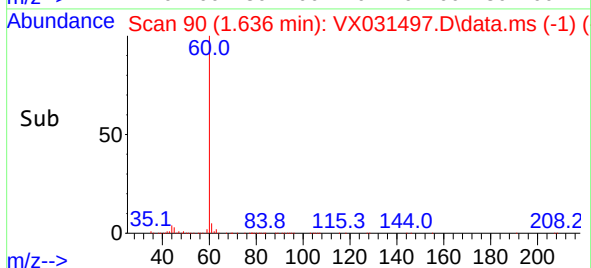
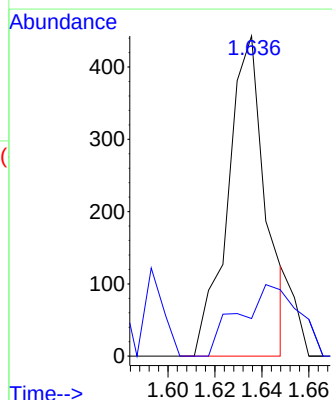
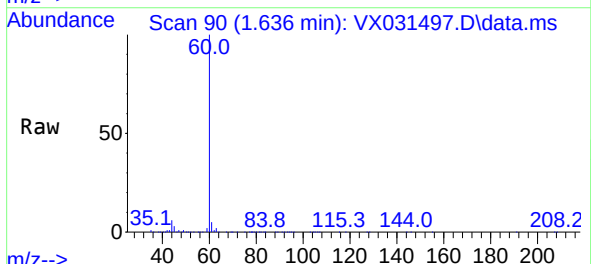
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

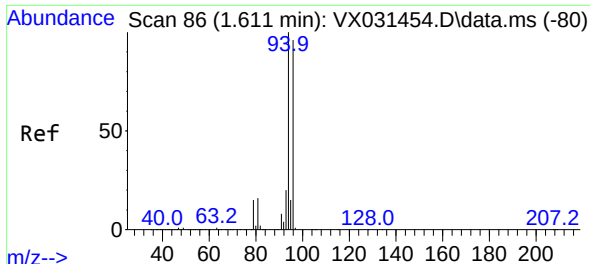
Tgt Ion:168 Resp: 51861
Ion Ratio Lower Upper
168 100
99 55.4 48.8 73.2



#4
Vinyl Chloride
Concen: 0.439 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.262 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 62 Resp: 495
Ion Ratio Lower Upper
62 100
64 11.7 25.3 37.9#

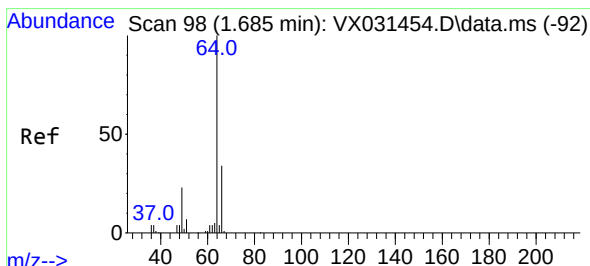
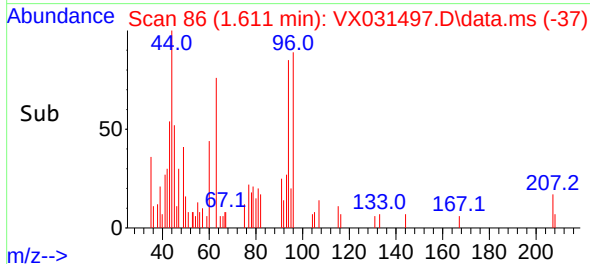
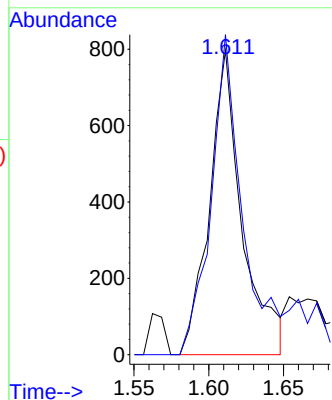
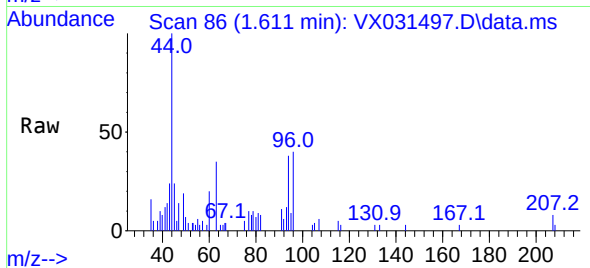




#5
Bromomethane
Concen: 0.755 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

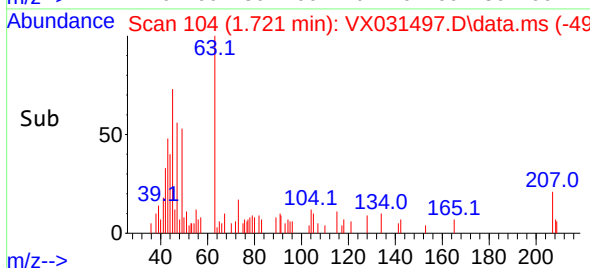
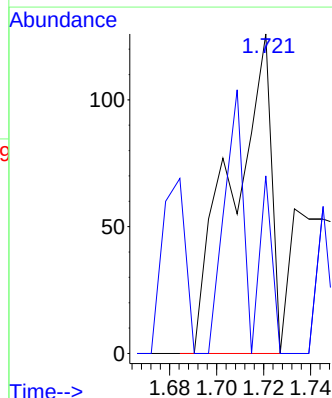
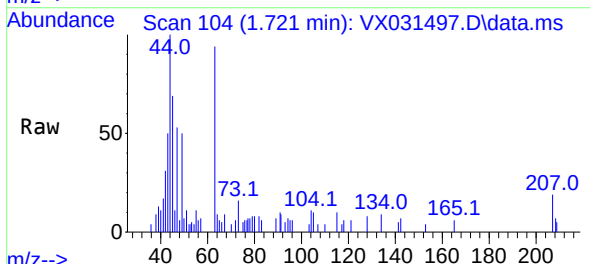
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

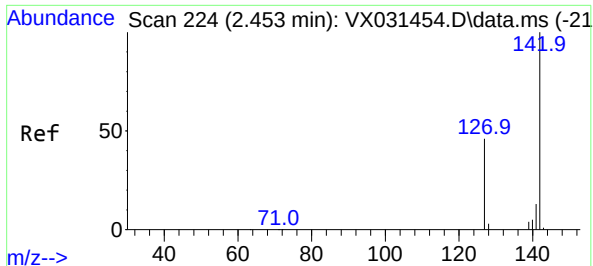
Tgt Ion: 94 Resp: 1213
Ion Ratio Lower Upper
94 100
96 105.0 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.036 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 55.6 25.0 37.4#

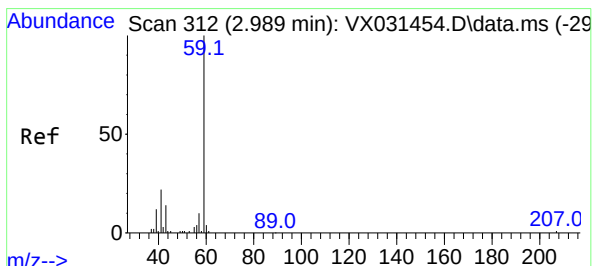
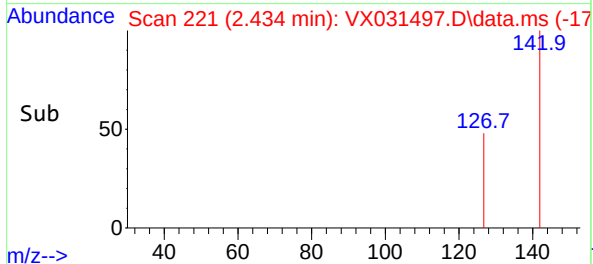
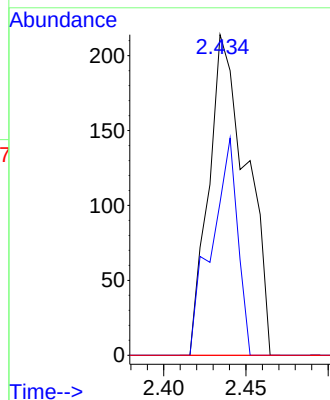
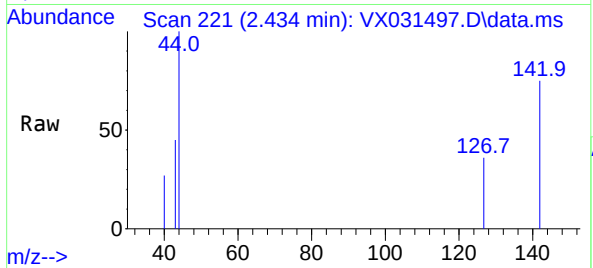




#10
Methyl Iodide
Concen: 0.425 ug/l
RT: 2.434 min Scan# 21
Delta R.T. -0.019 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

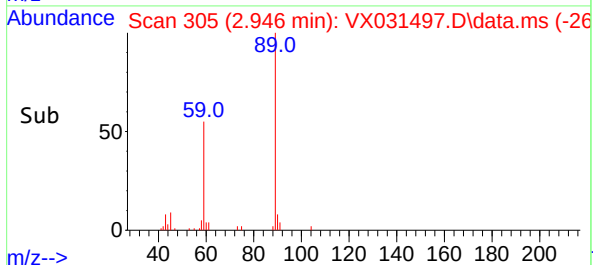
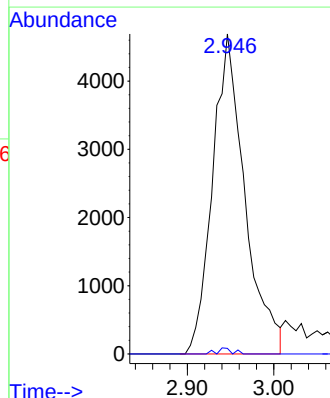
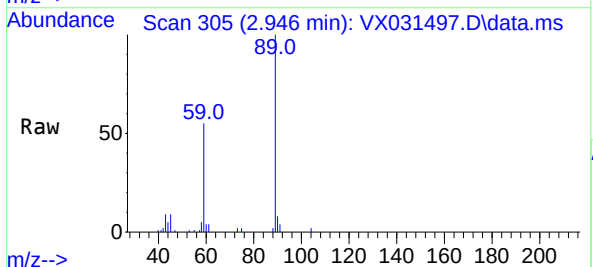
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

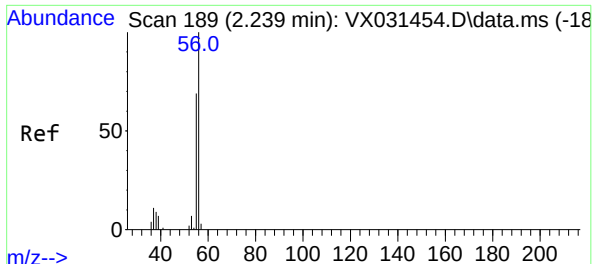
Tgt Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 46.9 37.4 56.0
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 32.520 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 59 Resp: 12135
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.2#

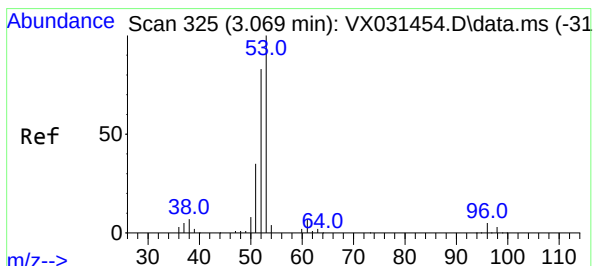
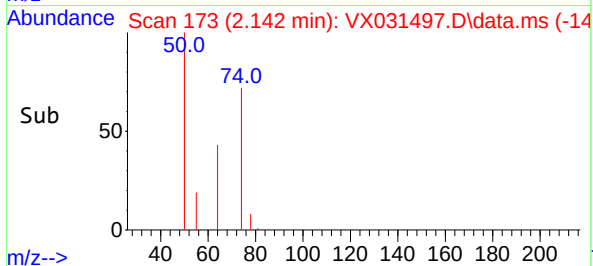
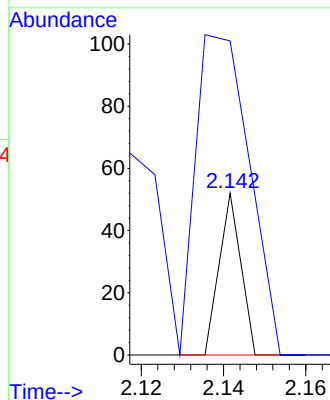
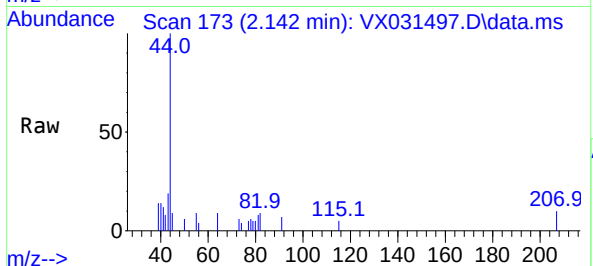




#13
Acrolein
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. -0.097 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

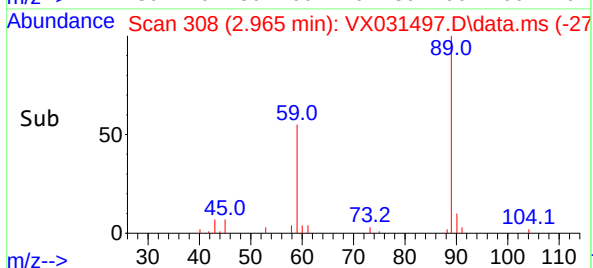
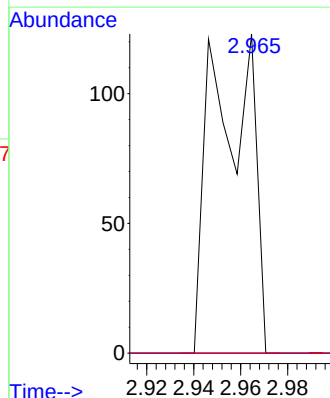
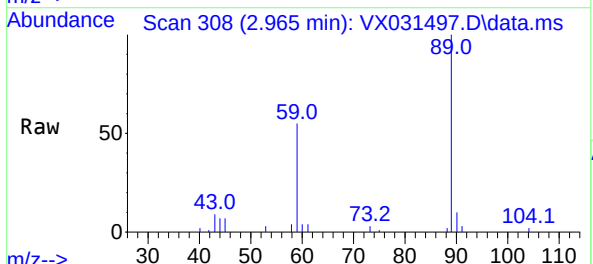
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

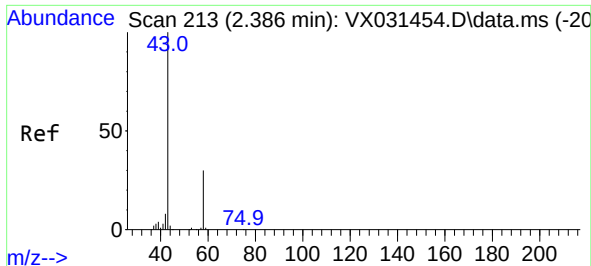
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 489.5 56.0 84.0#



#15
Acrylonitrile
Concen: 0.294 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.104 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 53 Resp: 147
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 0.0 30.0 45.0#

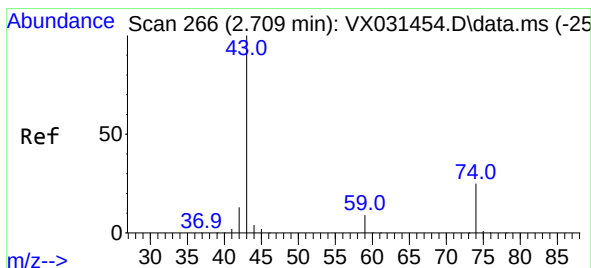
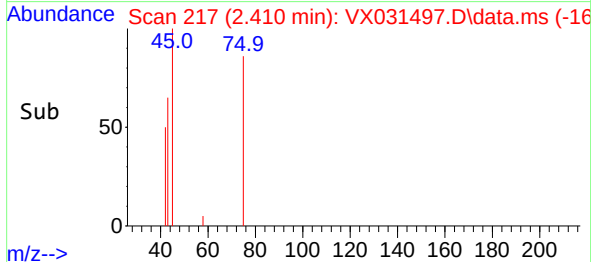
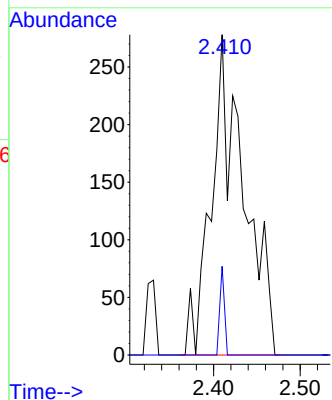
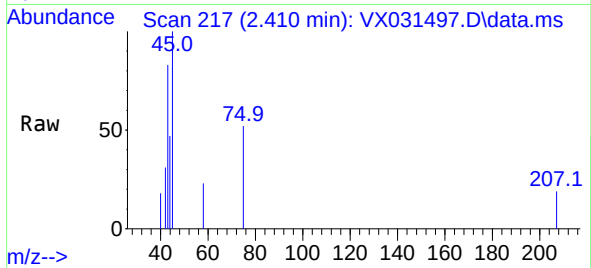




#16
Acetone
Concen: Below Cal
RT: 2.410 min Scan# 21
Delta R.T. 0.024 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

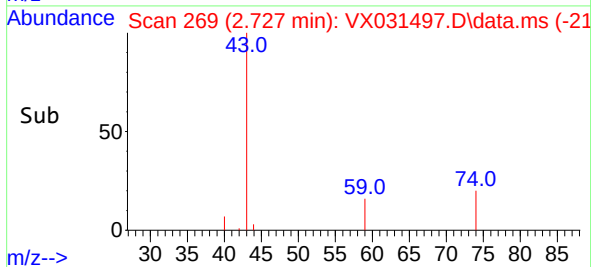
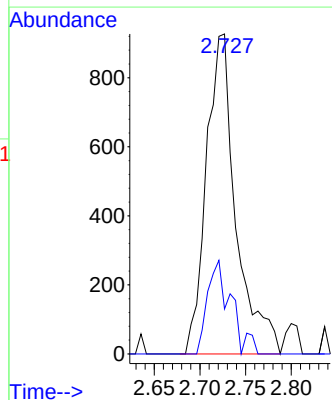
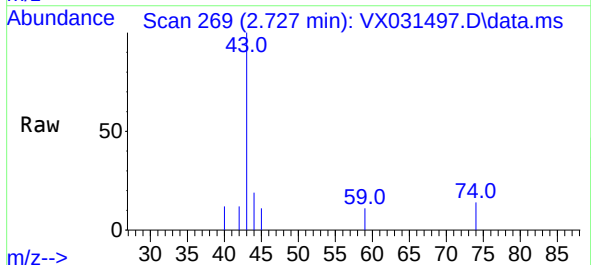
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

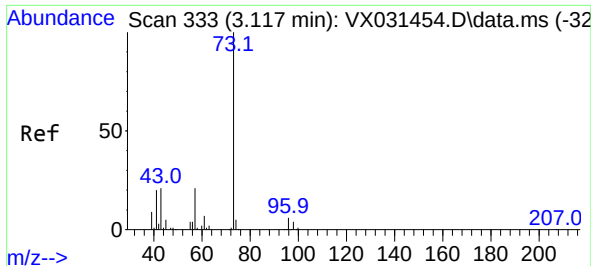
Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
58 27.7 23.8 35.8



#18
Methyl Acetate
Concen: 1.465 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.018 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8

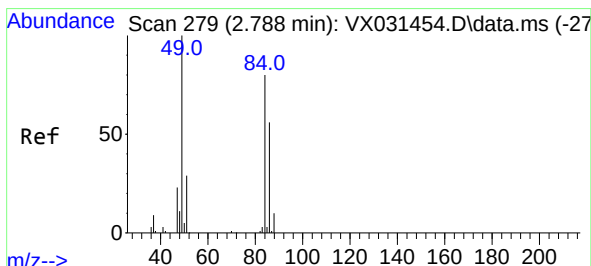
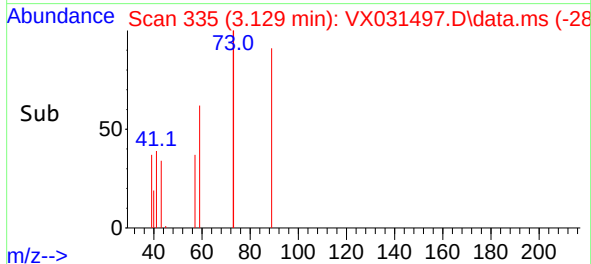
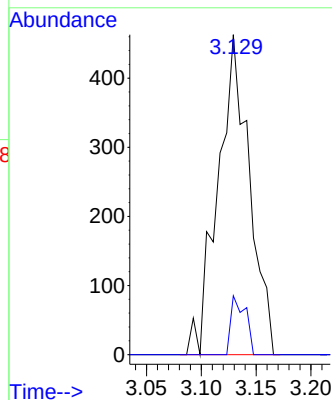
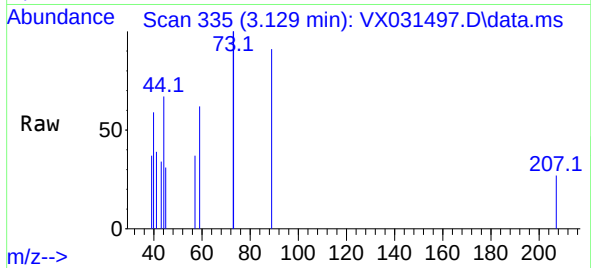




#19
Methyl tert-butyl Ether
Concen: 0.317 ug/l
RT: 3.129 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

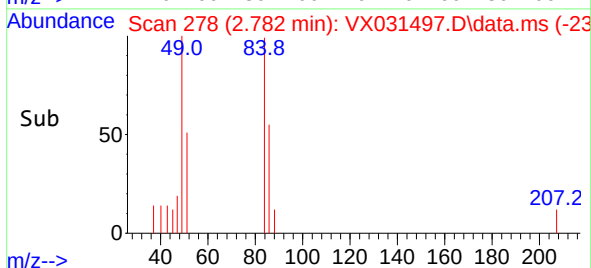
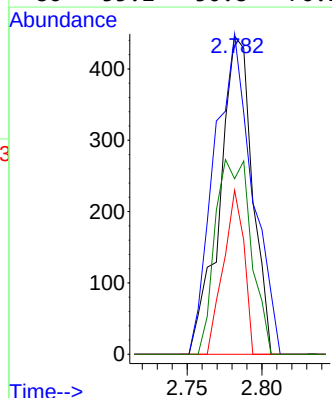
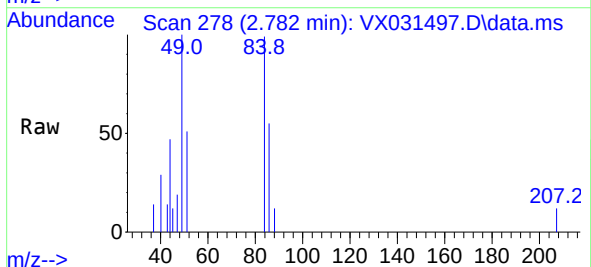
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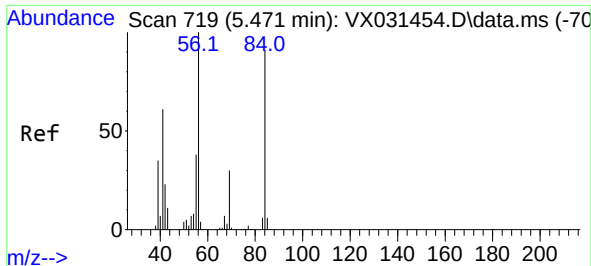
Tgt Ion: 73 Resp: 925
Ion Ratio Lower Upper
73 100
57 18.4 17.2 25.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 84 Resp: 677
Ion Ratio Lower Upper
84 100
49 100.7 105.9 158.9#
51 51.6 32.2 48.2#
86 55.2 50.8 76.2

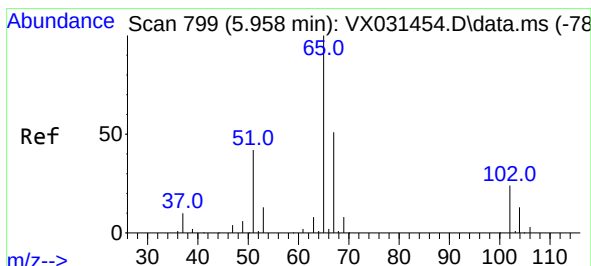
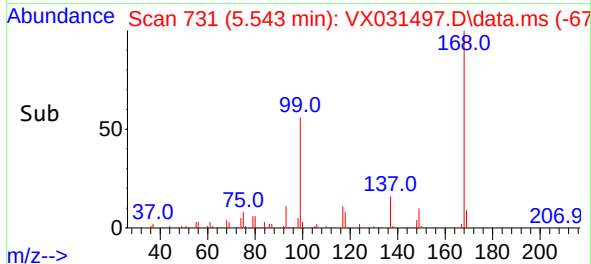
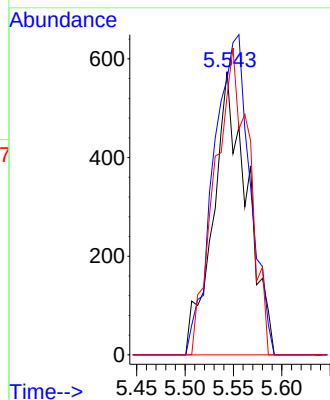
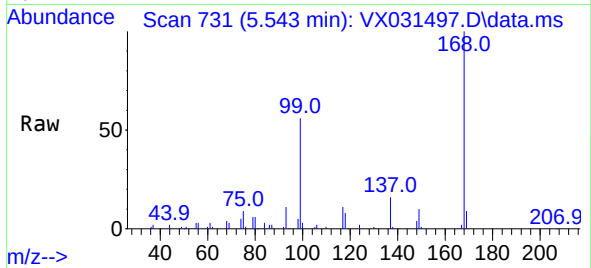




#31
Cyclohexane
Concen: 0.994 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.072 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

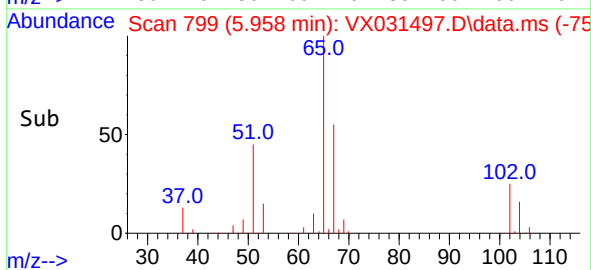
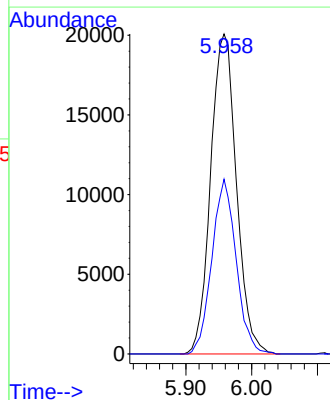
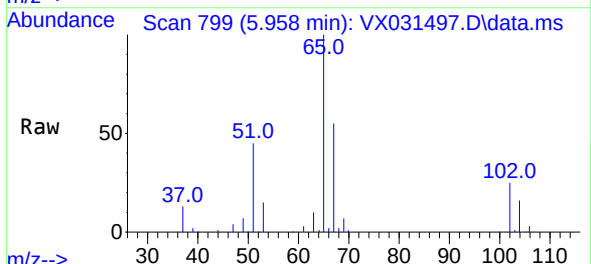
Instrument :
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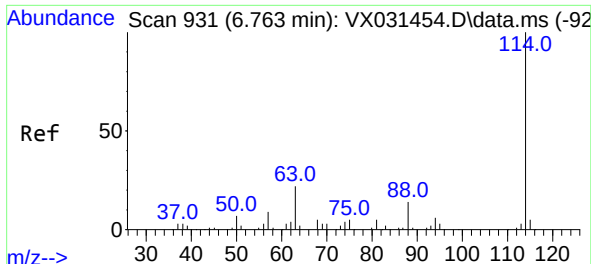
Tgt Ion: 56 Resp: 1402
Ion Ratio Lower Upper
56 100
69 97.4 25.1 37.7#
84 91.5 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 57.607 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 65 Resp: 54736
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.4

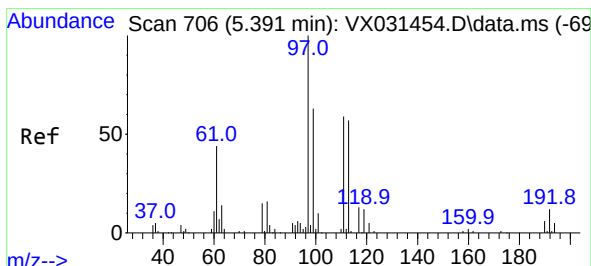
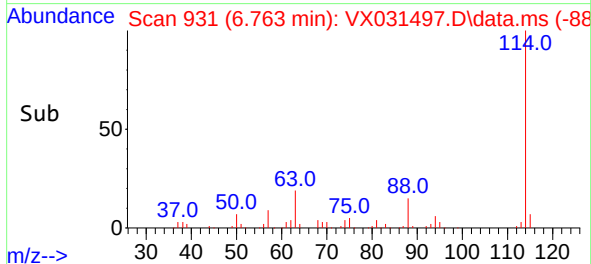
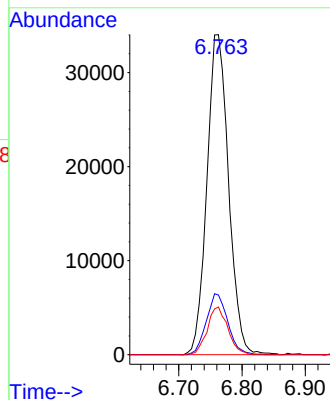
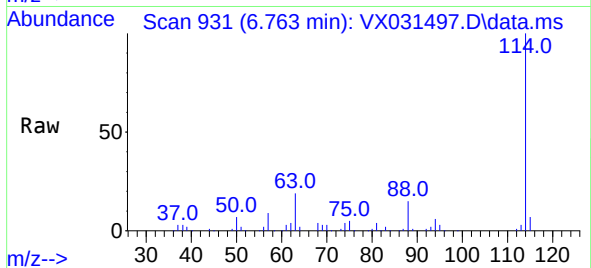




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

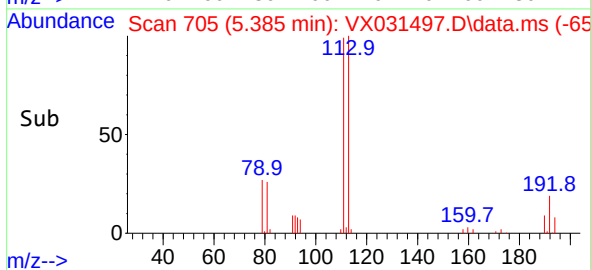
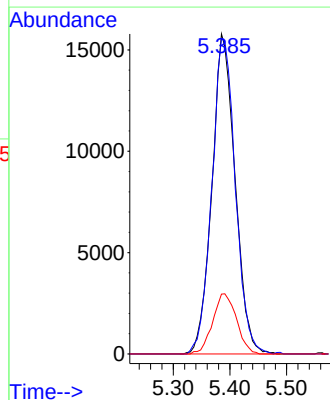
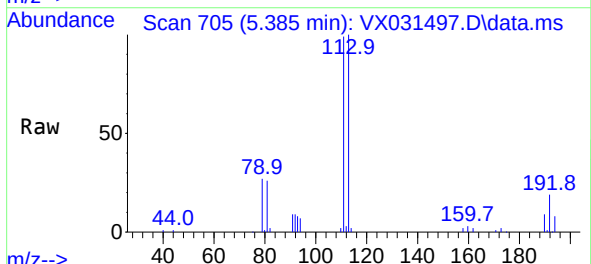
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

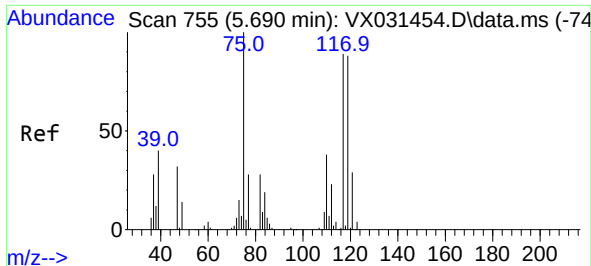
Tgt Ion:114 Resp: 81290
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 14.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 53.251 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion:113 Resp: 44703
Ion Ratio Lower Upper
113 100
111 100.4 82.4 123.6
192 19.3 14.1 21.1

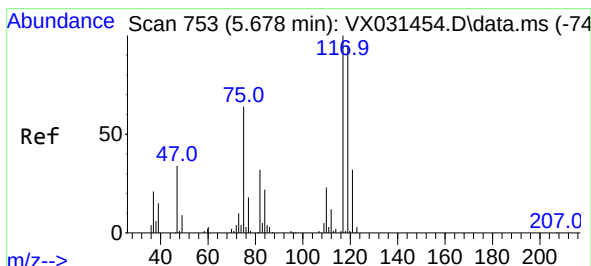
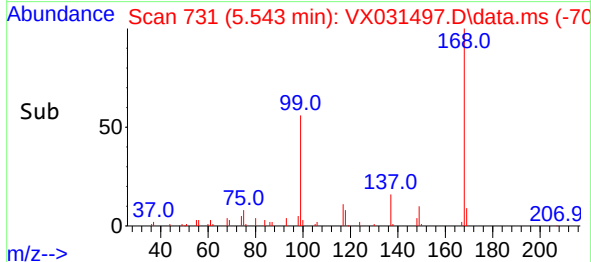
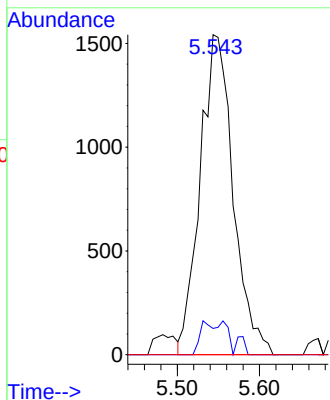
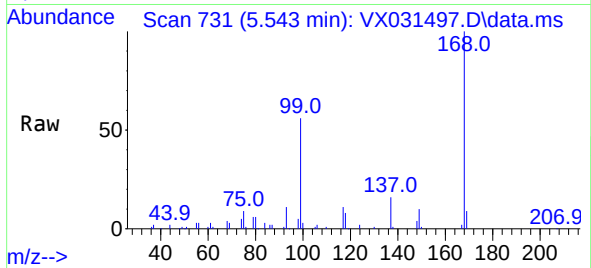




#36
1,1-Dichloropropene
Concen: 3.330 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

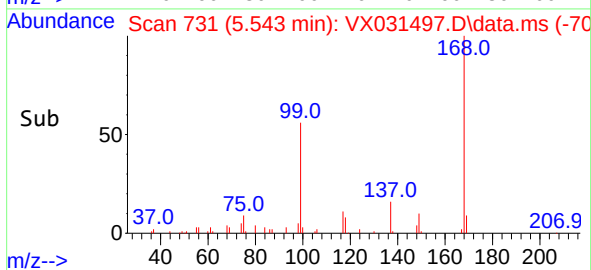
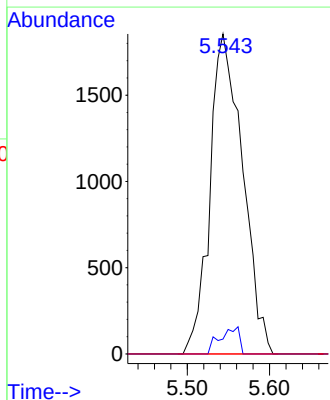
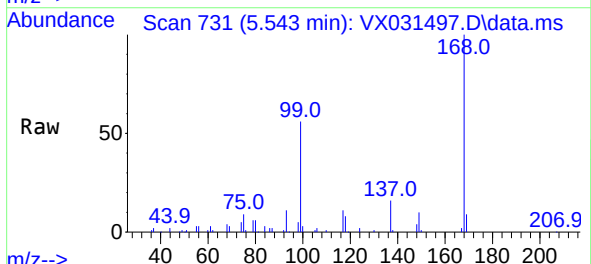
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

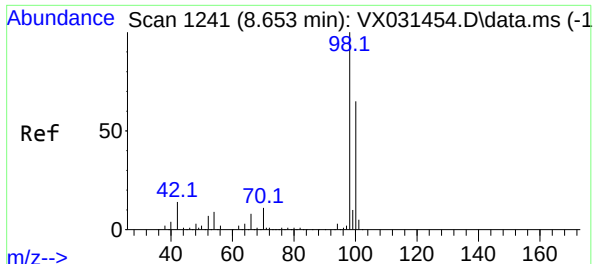
Tgt Ion: 75 Resp: 4303
Ion Ratio Lower Upper
75 100
110 4.2 17.5 52.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 3.581 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.135 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 117 Resp: 5129
Ion Ratio Lower Upper
117 100
119 4.6 74.6 112.0#
121 0.0 25.3 37.9#

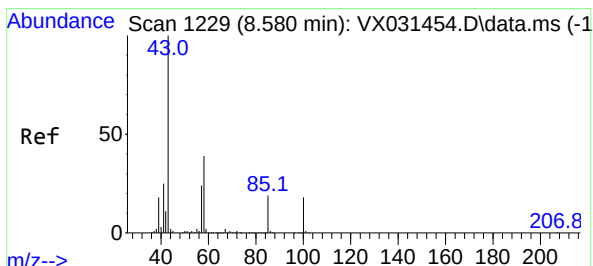
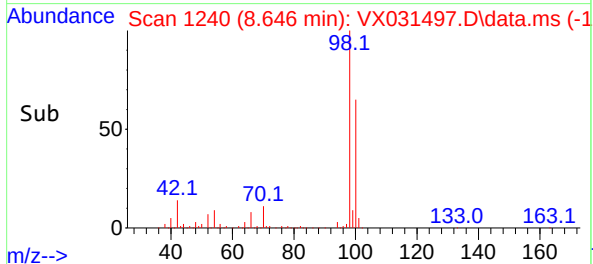
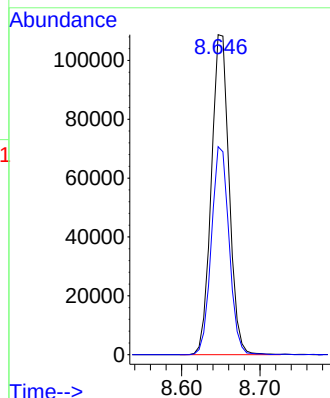
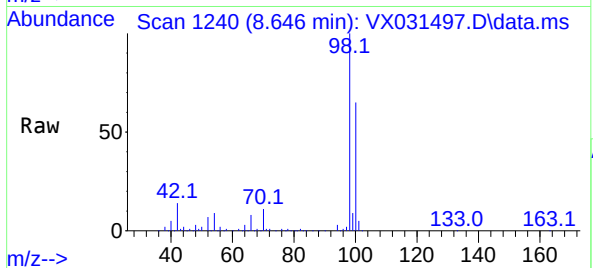




#50
Toluene-d8
Concen: 52.924 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.007 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

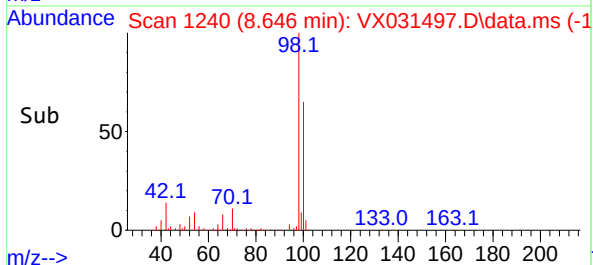
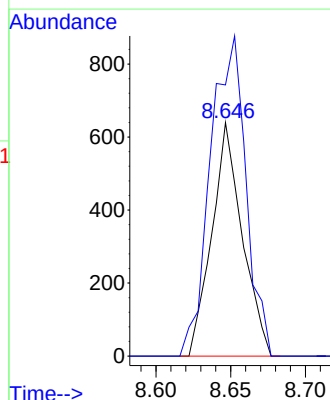
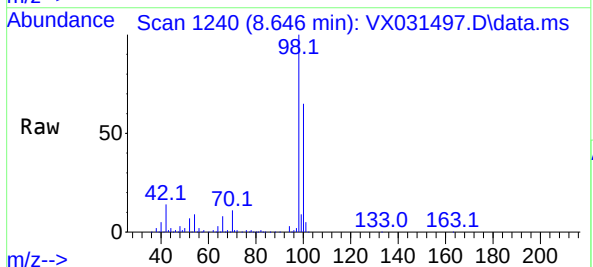
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

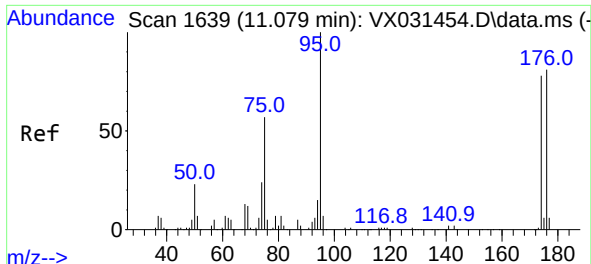
Tgt Ion: 98 Resp: 171402
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.594 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.066 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 159.9 30.6 46.0#

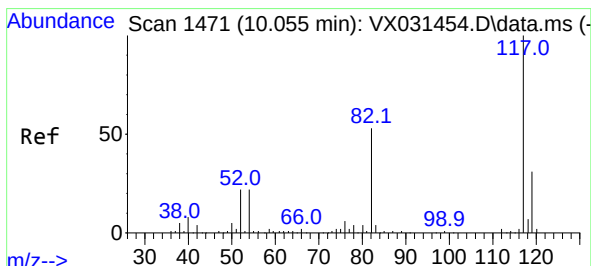
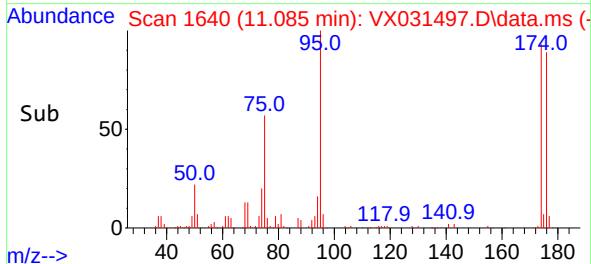
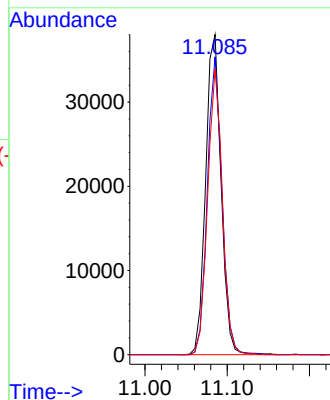
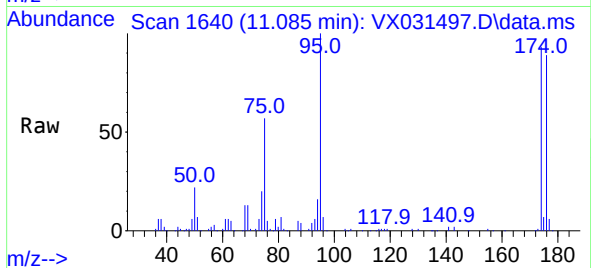




#62
4-Bromofluorobenzene
Concen: 45.171 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

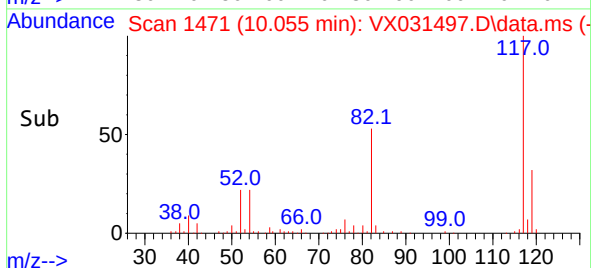
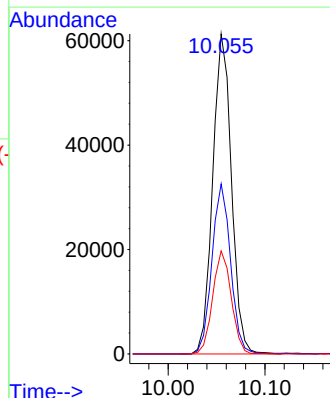
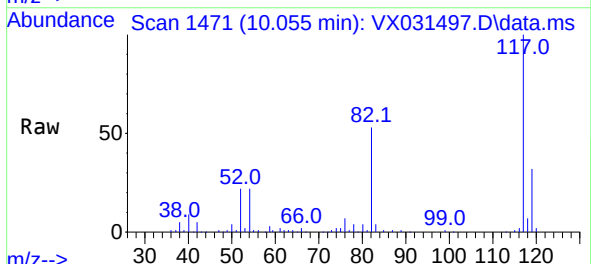
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

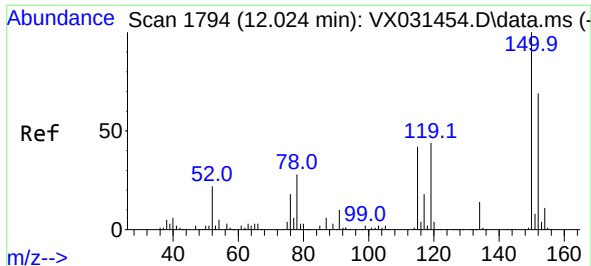
Tgt Ion:	95	Resp:	49554
Ion Ratio	Lower	Upper	
95	100		
174	88.4	0.0	153.2
176	85.1	0.0	144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion:	117	Resp:	82382
Ion Ratio	Lower	Upper	
117	100		
82	53.1	46.8	70.2
119	32.2	26.4	39.6

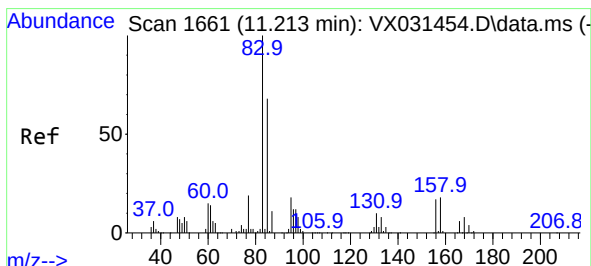
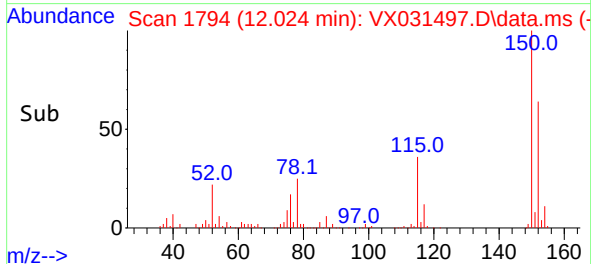
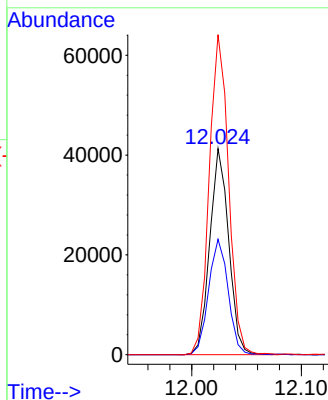
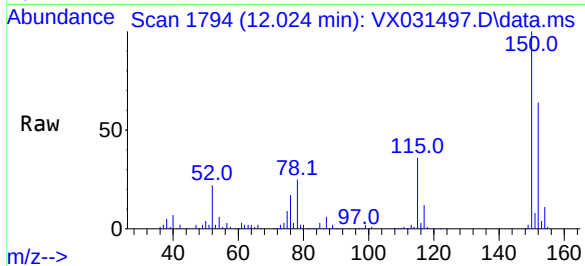




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

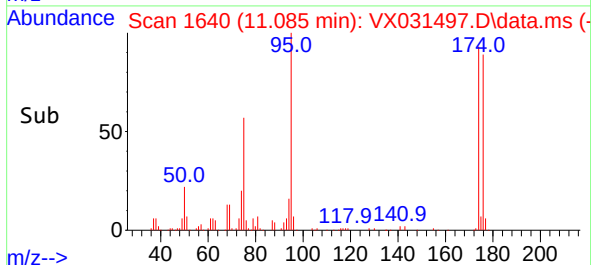
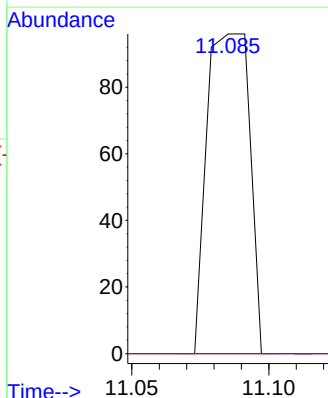
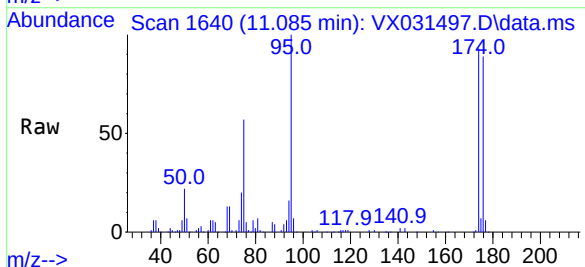
Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

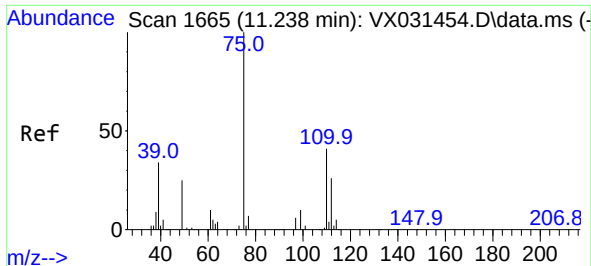
Tgt Ion:152 Resp: 49596
Ion Ratio Lower Upper
152 100
115 57.8 43.4 130.1
150 158.6 0.0 346.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 83 Resp: 104
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 32.6 97.8#

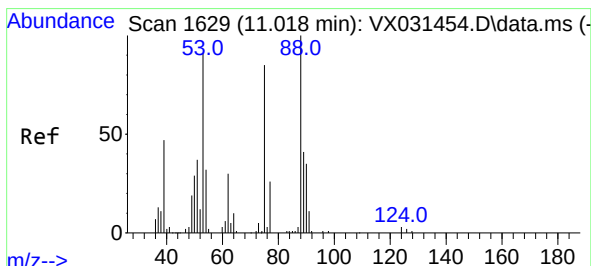
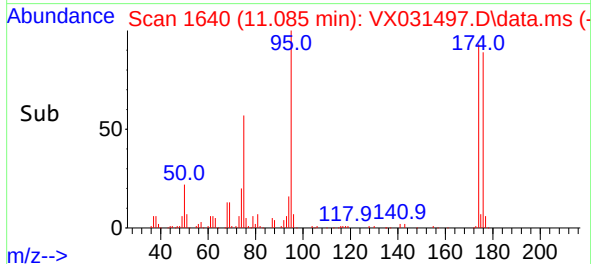
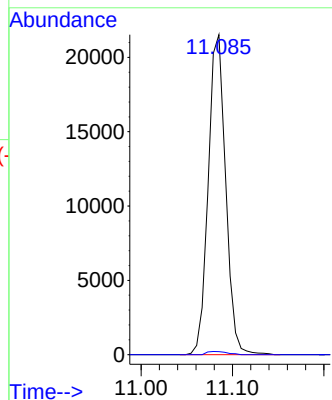
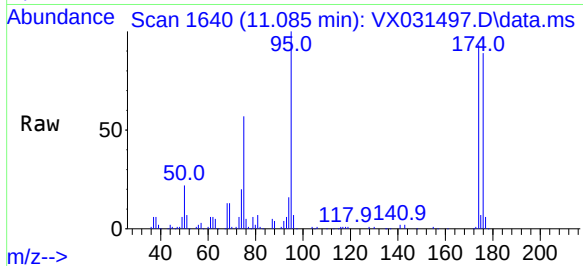




#76
1,2,3-Trichloropropane
Concen: 25.705 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Instrument :
MSVOA_X
ClientSampleId :
B22002-17.5

Tgt Ion: 75 Resp: 28454
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.767 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX031497.D
Acq: 20 Sep 2022 15:47

Tgt Ion: 75 Resp: 28454
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

