

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027534.D
 Acq On : 18 Mar 2022 17:41
 Operator : JC/MD
 Sample : N1998-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:08:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

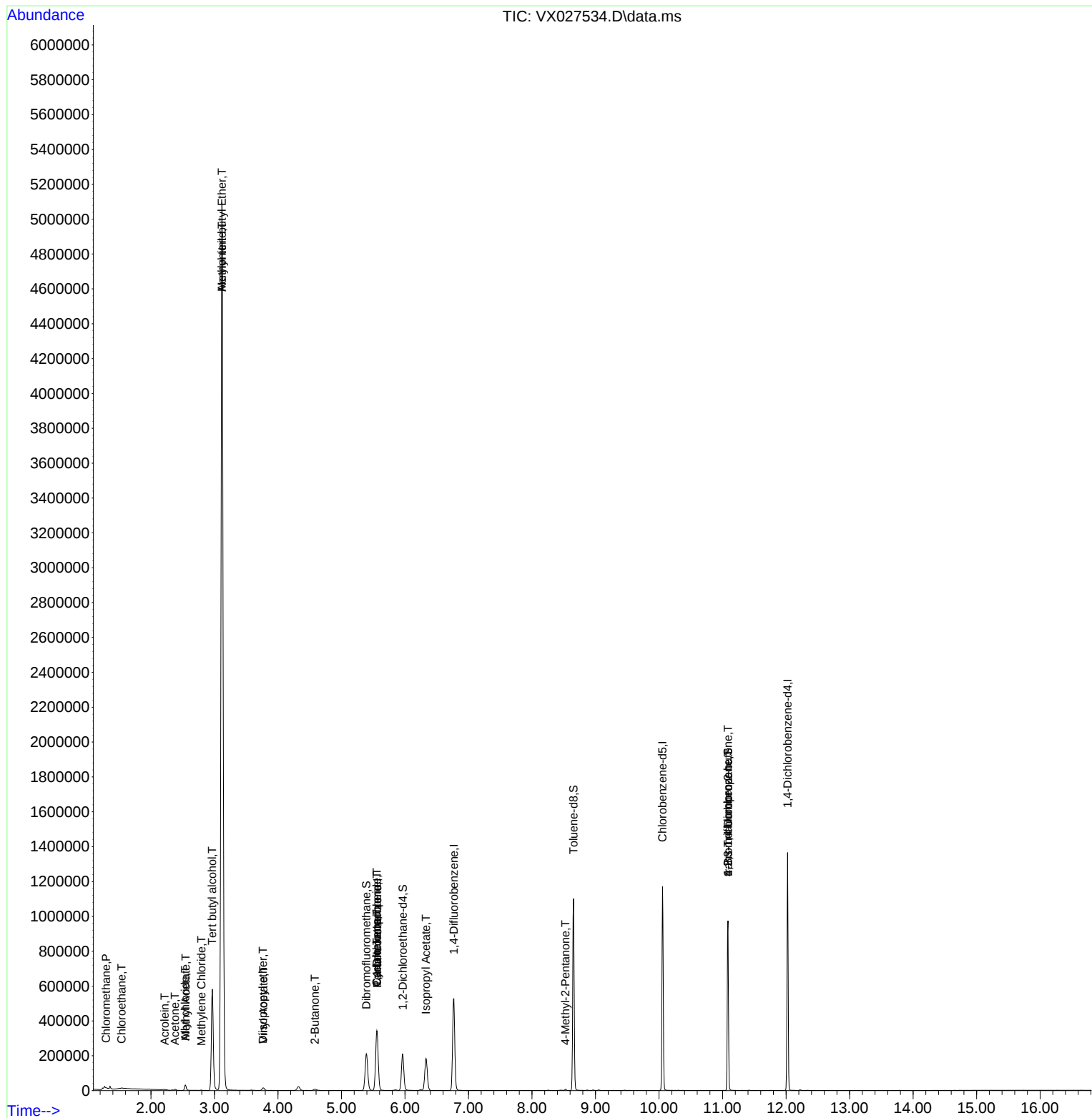
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	339925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	567389	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	546761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	281566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	207537	49.561	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.120%
35) Dibromofluoromethane	5.391	113	187409	51.338	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.680%
50) Toluene-d8	8.653	98	672892	48.711	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.420%
62) 4-Bromofluorobenzene	11.085	95	266593	52.506	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1435	0.495	ug/l #	75
5) Bromomethane	1.611	94	136	Below Cal		85
6) Chloroethane	1.538	64	14252	6.940	ug/l #	50
11) Tert butyl alcohol	2.965	59	667163	835.977	ug/l	100
13) Acrolein	2.215	56	126	0.203	ug/l #	1
14) Allyl chloride	2.538	41	3434	0.695	ug/l #	60
15) Acrylonitrile	3.117	53	58926	32.478	ug/l #	29
16) Acetone	2.380	43	6584	3.857	ug/l	98
18) Methyl Acetate	2.544	43	9687	2.368	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	5840117	548.387	ug/l	98
20) Methylene Chloride	2.794	84	793	0.216	ug/l #	85
22) Diisopropyl ether	3.764	45	15029	1.558	ug/l #	84
23) Vinyl Acetate	3.770	43	8063	0.961	ug/l #	66
25) 2-Butanone	4.580	43	667	0.260	ug/l #	44
31) Cyclohexane	5.556	56	6118	1.177	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23955	4.802	ug/l #	45
38) Carbon Tetrachloride	5.556	117	33899	5.940	ug/l #	16
43) Isopropyl Acetate	6.330	43	58935	7.367	ug/l #	7
51) 4-Methyl-2-Pentanone	8.525	43	1052	0.206	ug/l #	31
76) 1,2,3-Trichloropropane	11.085	75	128318	21.788	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	128318	66.171	ug/l #	15

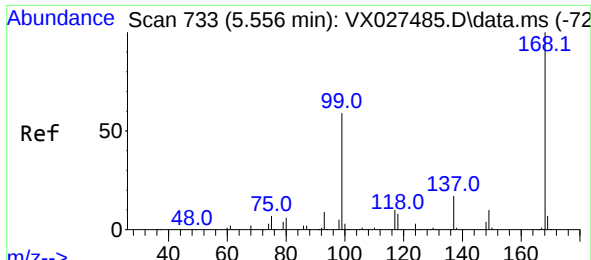
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

Instrument :

MSVOA_X

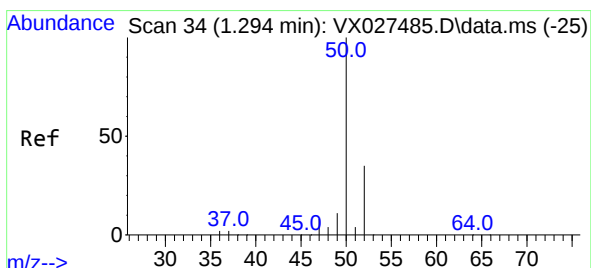
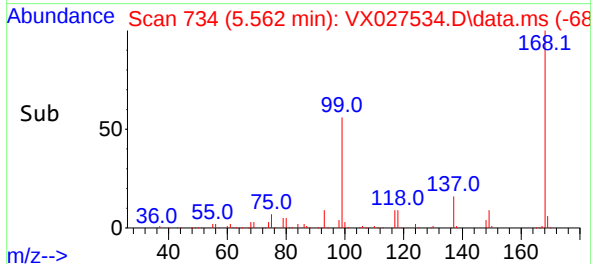
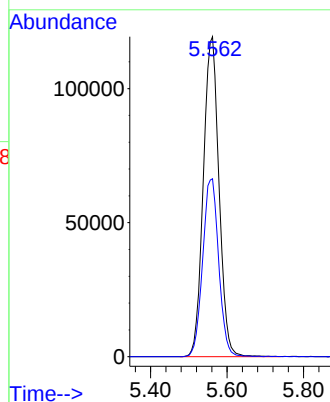
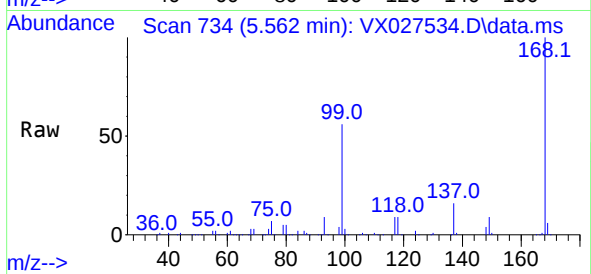
ClientSampleId :

Tgt Ion:168 Resp: 339925

Ion Ratio Lower Upper

168 100

99 55.6 41.7 62.5



#3

Chloromethane

Concen: 0.495 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX027534.D

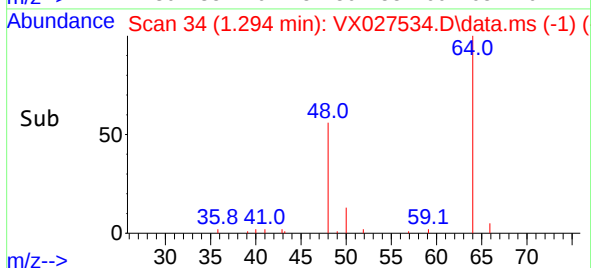
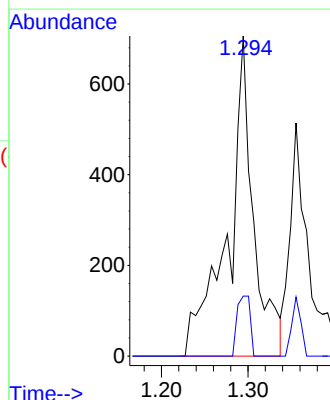
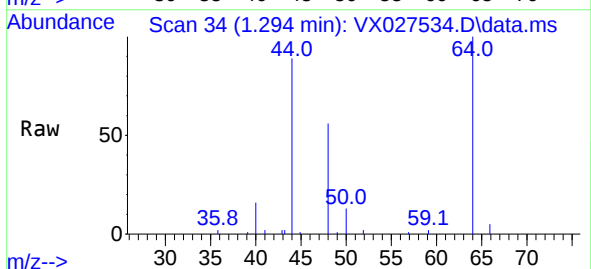
Acq: 18 Mar 2022 17:41

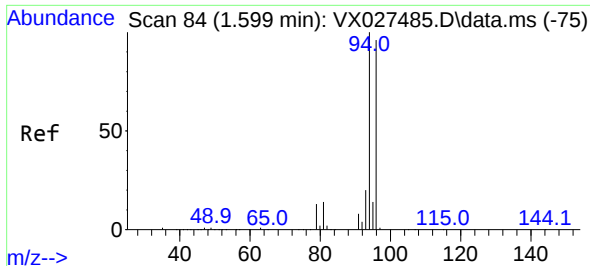
Tgt Ion: 50 Resp: 1435

Ion Ratio Lower Upper

50 100

52 18.7 26.4 39.6#

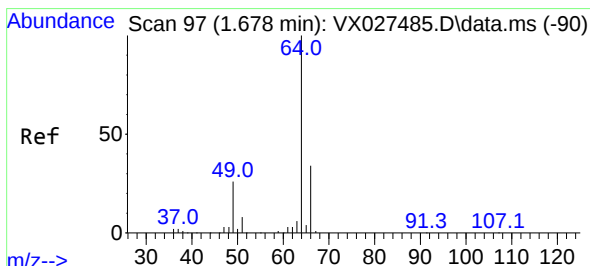
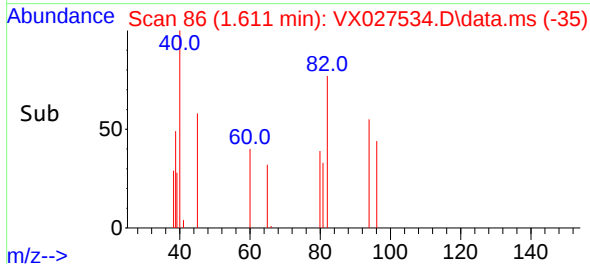
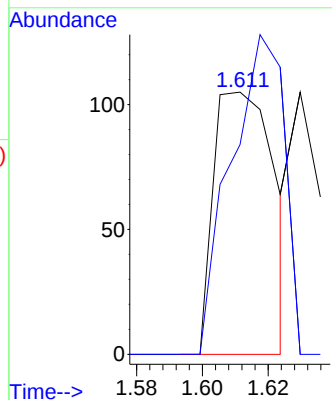
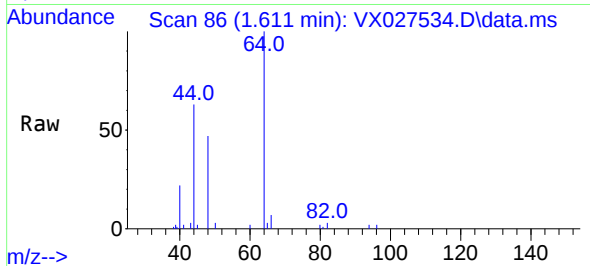




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

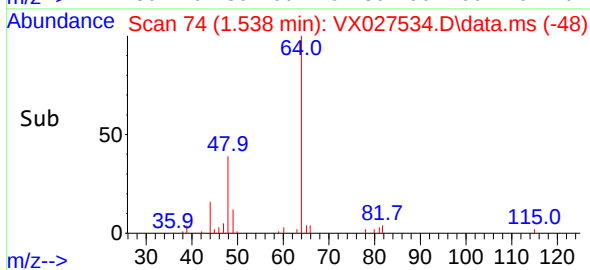
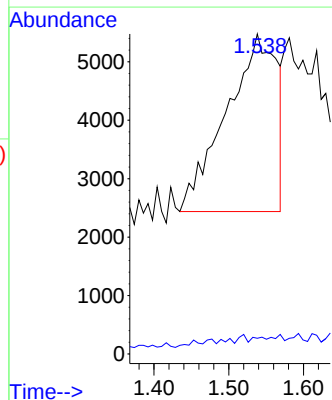
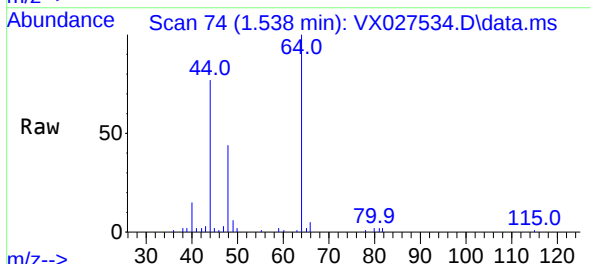
Instrument :
MSVOA_X
ClientSampleId :

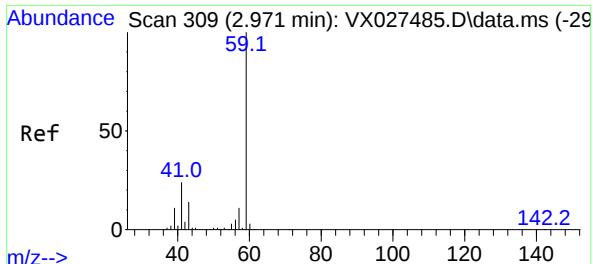
Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 80.0 75.3 112.9



#6
Chloroethane
Concen: 6.940 ug/l
RT: 1.538 min Scan# 74
Delta R.T. -0.140 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

Tgt Ion: 64 Resp: 14252
Ion Ratio Lower Upper
64 100
66 4.0 25.3 37.9#

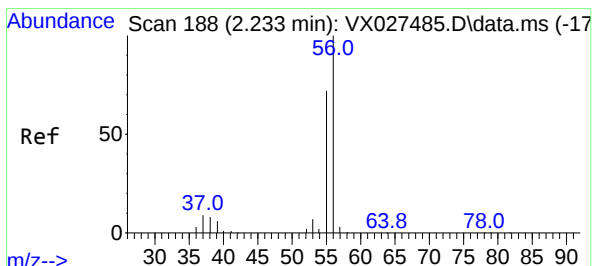
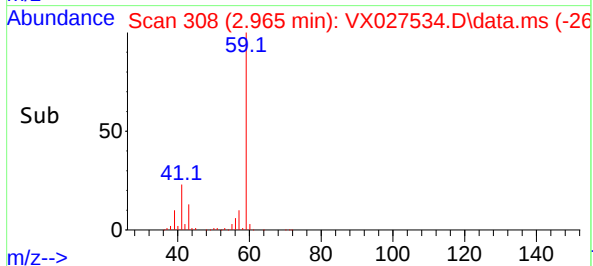
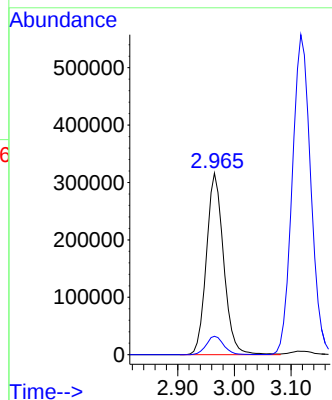
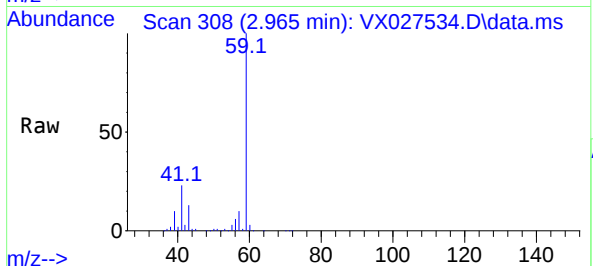




#11
Tert butyl alcohol
Concen: 835.977 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

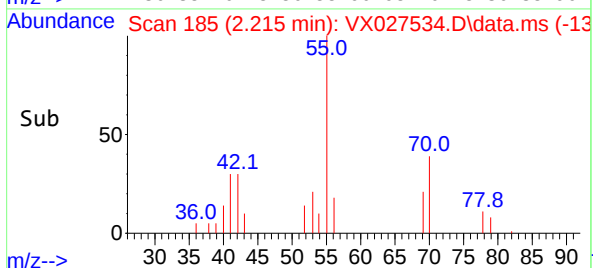
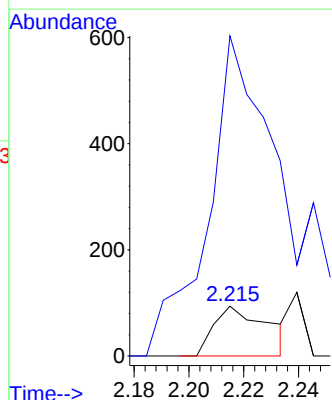
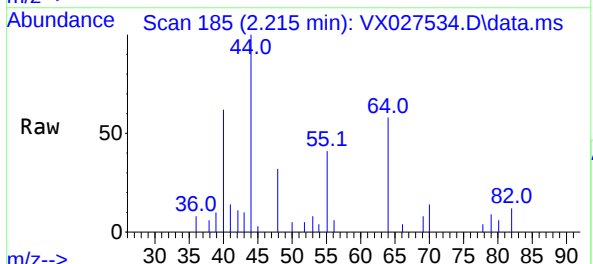
Instrument :
MSVOA_X
ClientSampleId :

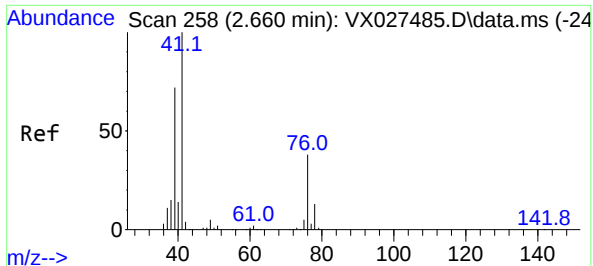
Tgt Ion: 59 Resp: 667163
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#13
Acrolein
Concen: 0.203 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.018 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

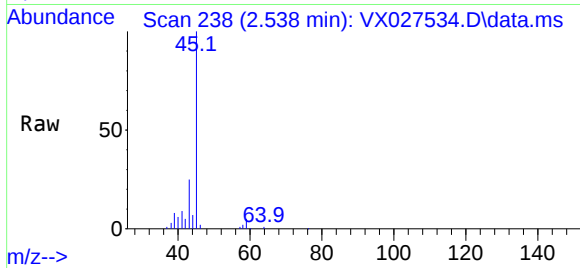
Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 1006.3 55.0 82.6#



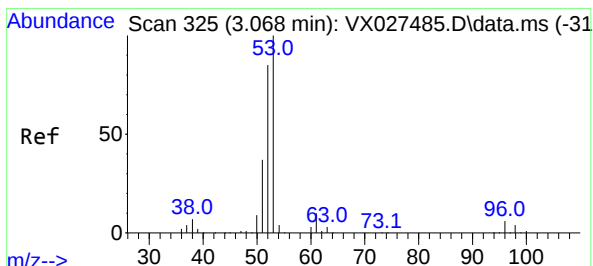
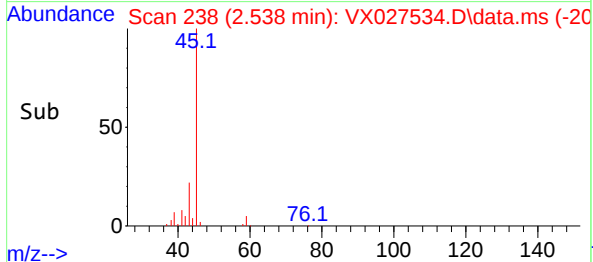
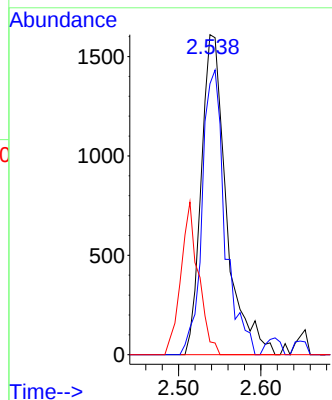


#14
 Allyl chloride
 Concen: 0.695 ug/l
 RT: 2.538 min Scan# 21
 Delta R.T. -0.122 min
 Lab File: VX027534.D
 Acq: 18 Mar 2022 17:41

Instrument :
 MSVOA_X
 ClientSampleId :

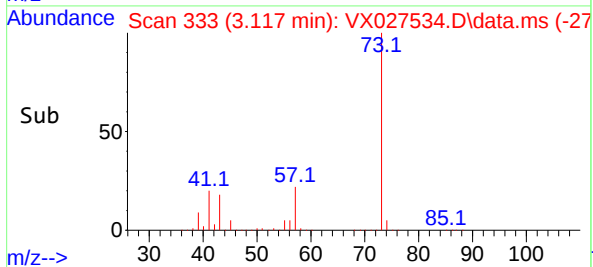
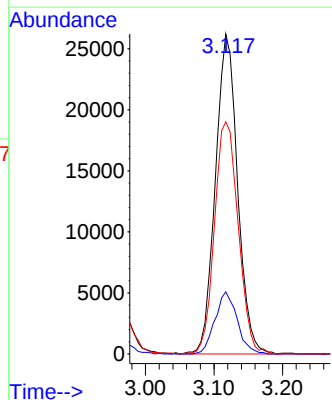
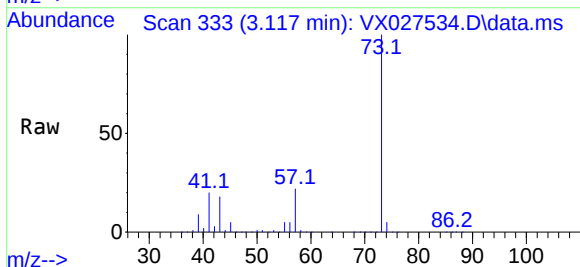


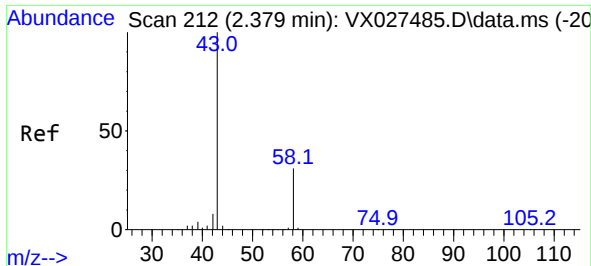
Tgt Ion: 41 Resp: 3434
 Ion Ratio Lower Upper
 41 100
 39 80.6 50.4 75.6#
 76 0.0 32.7 49.1#



#15
 Acrylonitrile
 Concen: 32.478 ug/l
 RT: 3.117 min Scan# 333
 Delta R.T. 0.049 min
 Lab File: VX027534.D
 Acq: 18 Mar 2022 17:41

Tgt Ion: 53 Resp: 58926
 Ion Ratio Lower Upper
 53 100
 52 19.4 65.7 98.5#
 51 77.5 28.4 42.6#

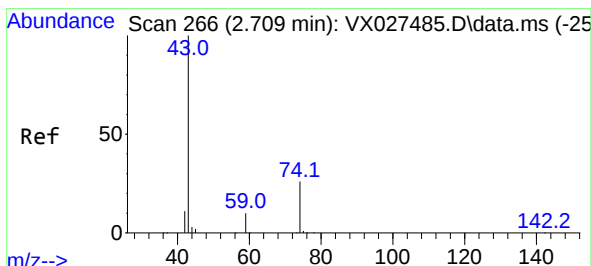
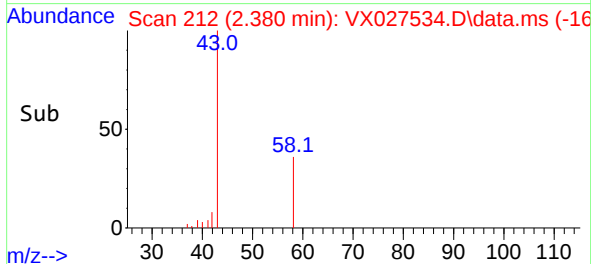
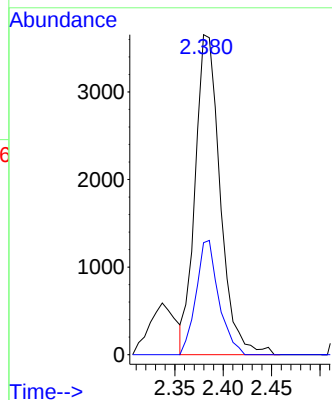
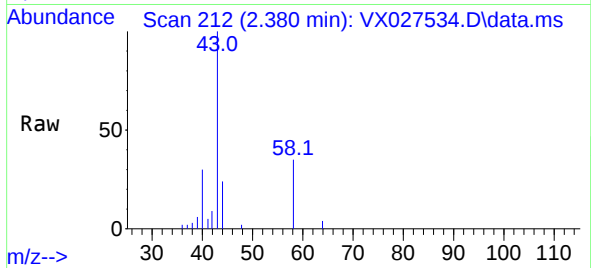




#16
Acetone
Concen: 3.857 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

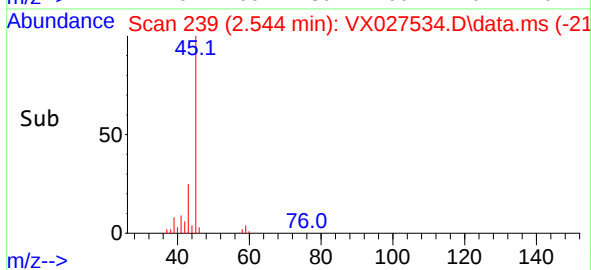
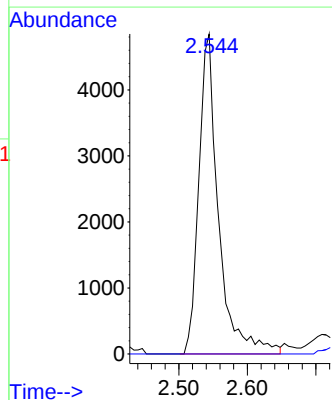
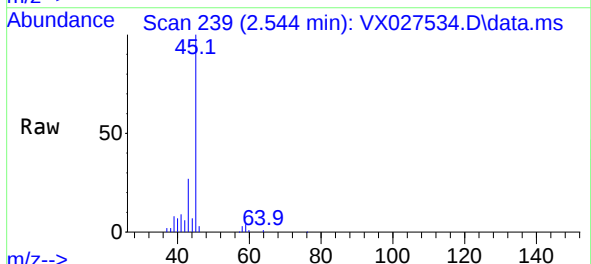
Instrument :
MSVOA_X
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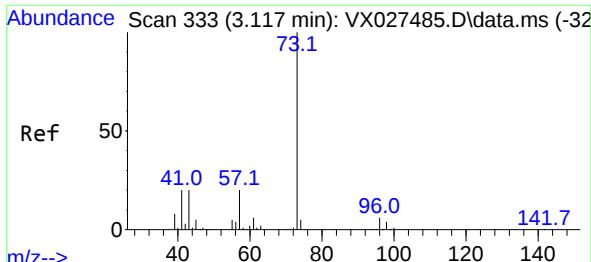
Tgt Ion: 43 Resp: 6584
Ion Ratio Lower Upper
43 100
58 35.0 28.8 43.2



#18
Methyl Acetate
Concen: 2.368 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.164 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

Tgt Ion: 43 Resp: 9687
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#





#19

Methyl tert-butyl Ether

Concen: 548.387 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

Instrument :

MSVOA_X

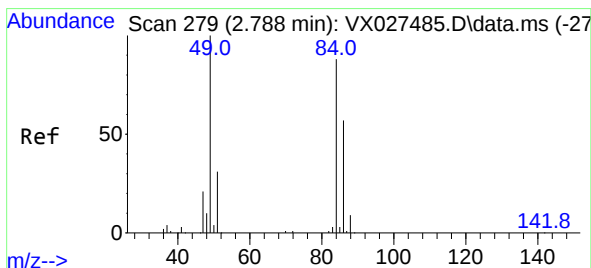
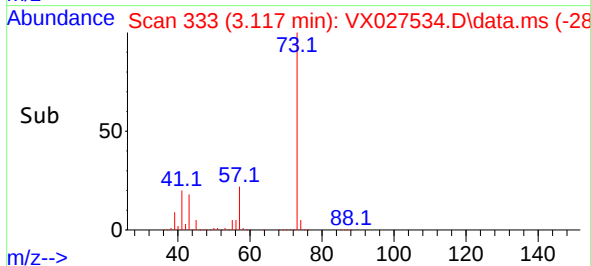
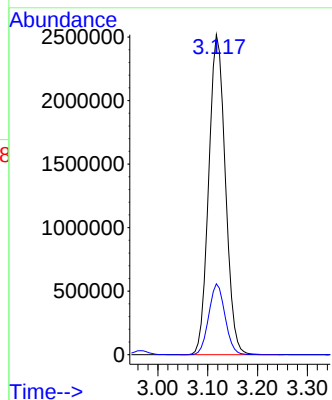
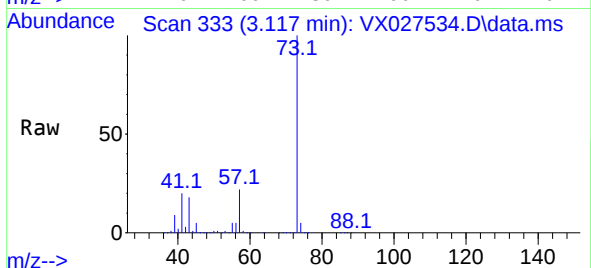
ClientSampleId :

Tgt Ion: 73 Resp: 5840117

Ion Ratio Lower Upper

73 100

57 22.1 16.8 25.2



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

Tgt Ion: 84 Resp: 793

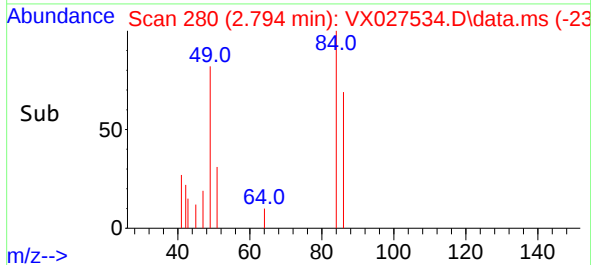
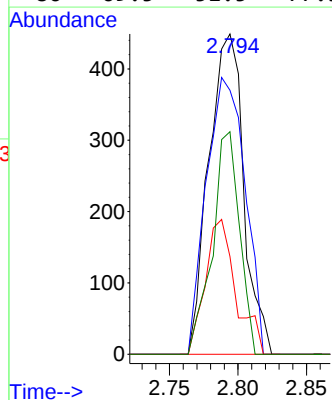
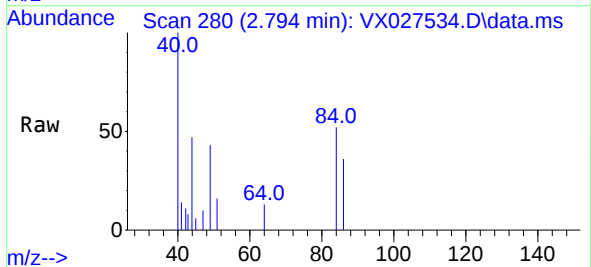
Ion Ratio Lower Upper

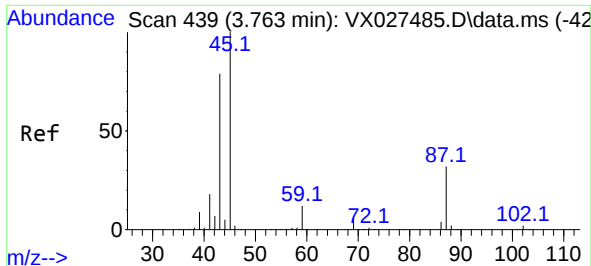
84 100

49 82.4 85.5 128.3#

51 30.5 26.6 39.8

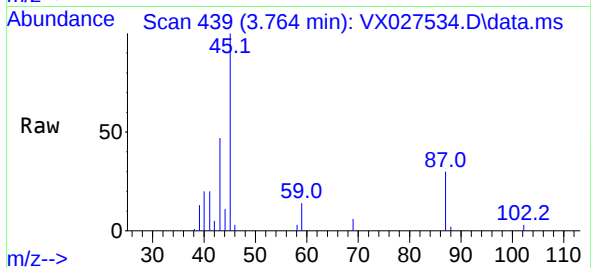
86 69.5 51.5 77.3





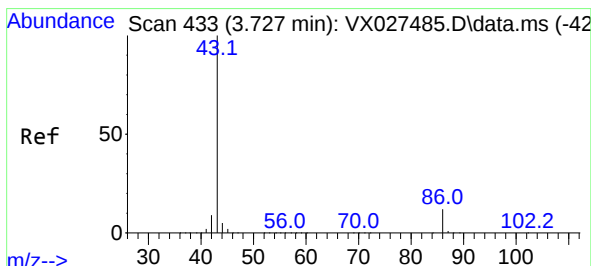
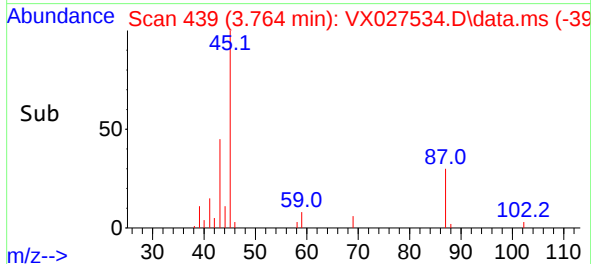
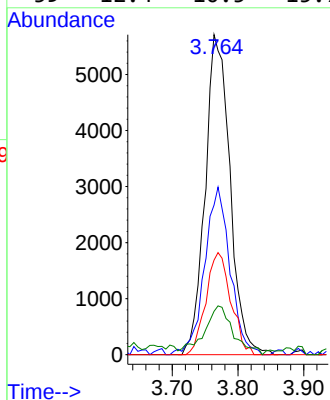
#22
Diisopropyl ether
Concen: 1.558 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 45 Resp: 15029

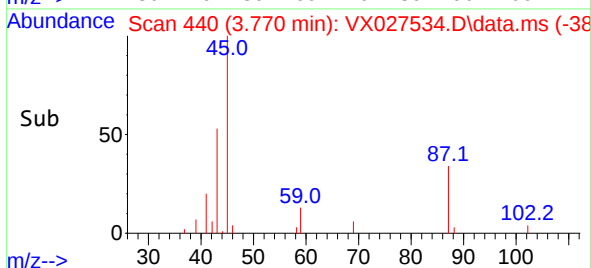
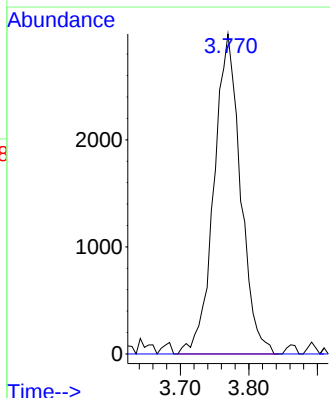
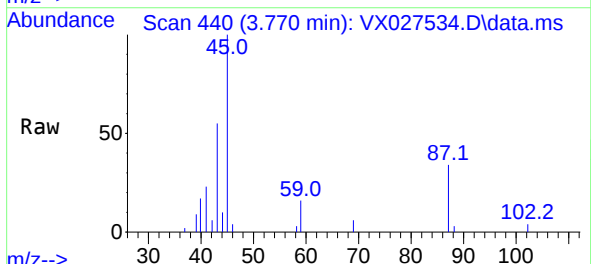
Ion	Ratio	Lower	Upper
45	100		
43	45.3	50.8	76.2#
87	29.6	26.6	39.8
59	12.4	10.5	15.7

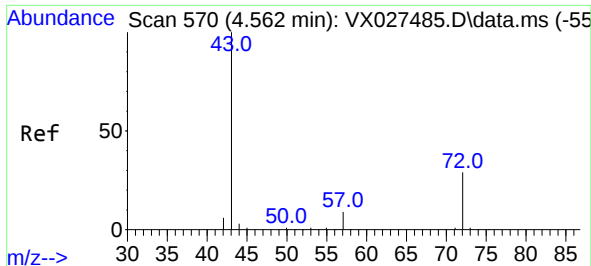


#23
Vinyl Acetate
Concen: 0.961 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

Tgt Ion: 43 Resp: 8063

Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#





#25

2-Butanone

Concen: 0.260 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

Instrument :

MSVOA_X

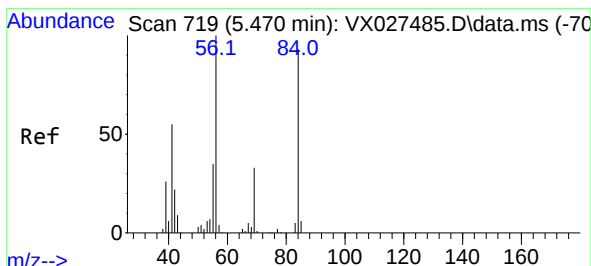
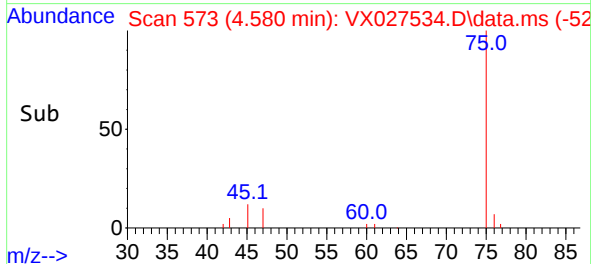
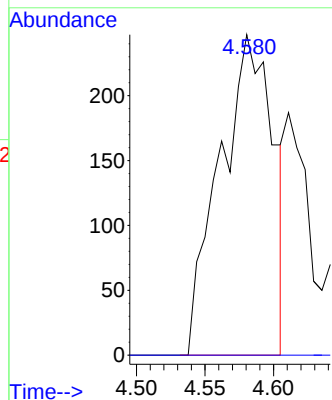
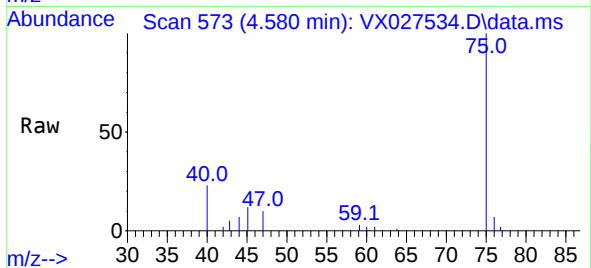
ClientSampleId :

Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#31

Cyclohexane

Concen: 1.177 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

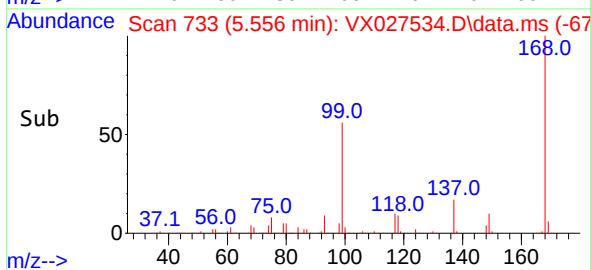
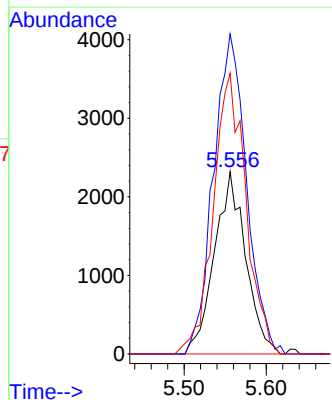
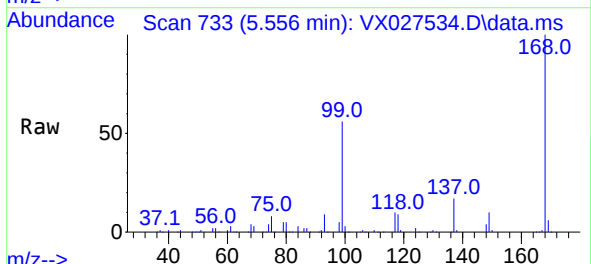
Tgt Ion: 56 Resp: 6118

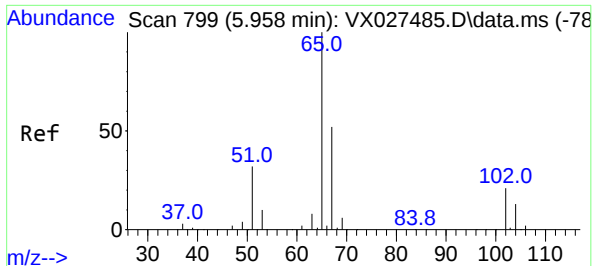
Ion Ratio Lower Upper

56 100

69 175.6 26.7 40.1#

84 154.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 49.561 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

Instrument :

MSVOA_X

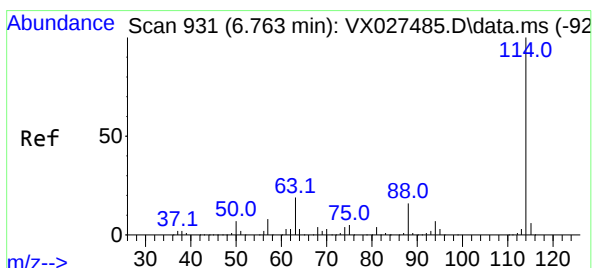
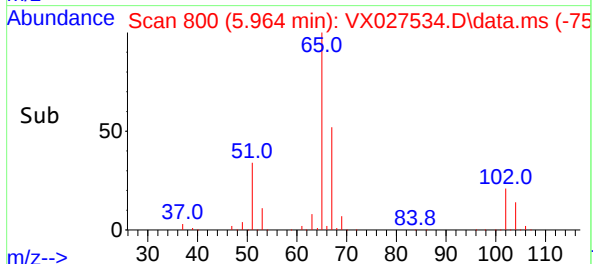
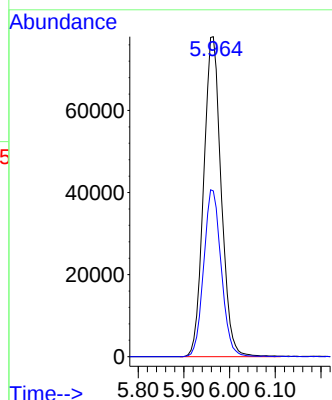
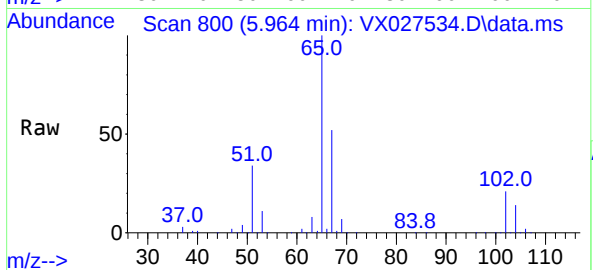
ClientSampleId :

Tgt Ion: 65 Resp: 207537

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027534.D

Acq: 18 Mar 2022 17:41

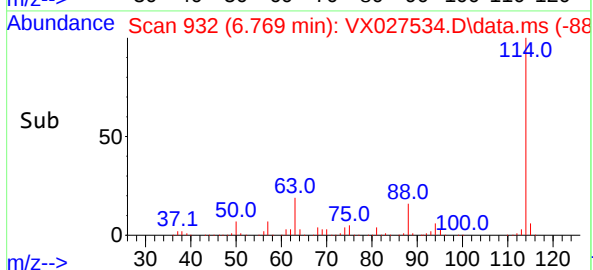
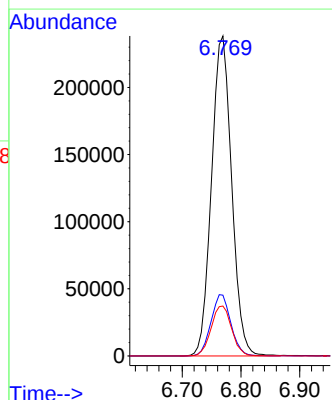
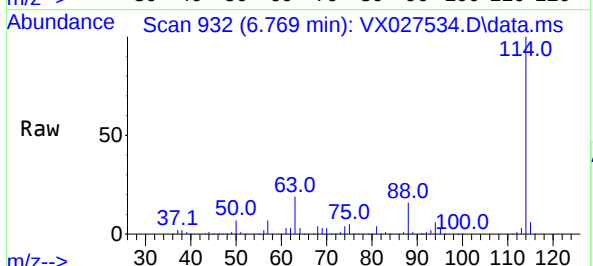
Tgt Ion:114 Resp: 567389

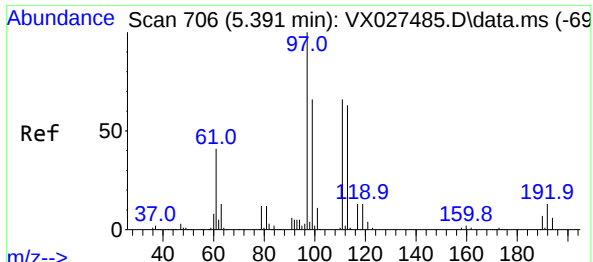
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

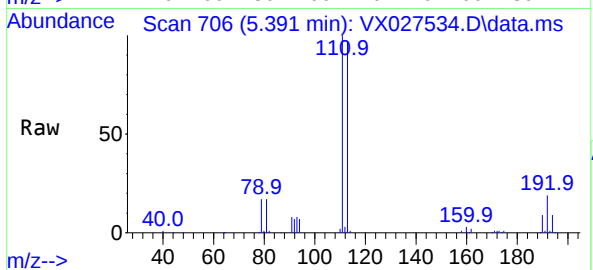
88 15.6 0.0 32.4



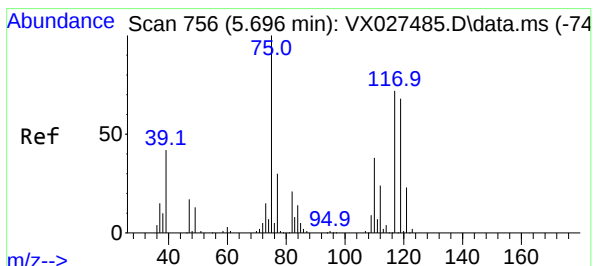
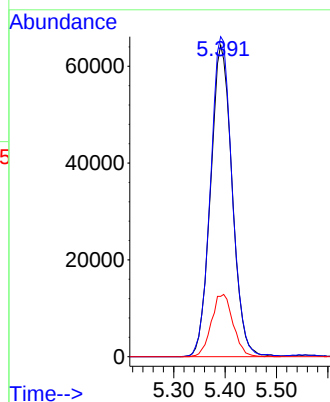
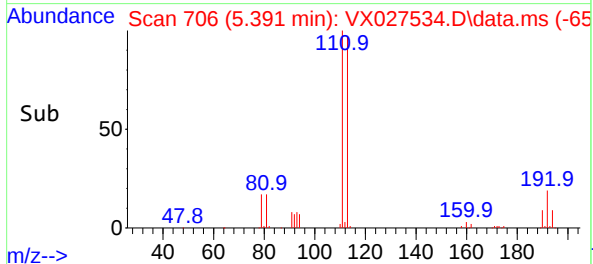


#35
Dibromofluoromethane
Concen: 51.338 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

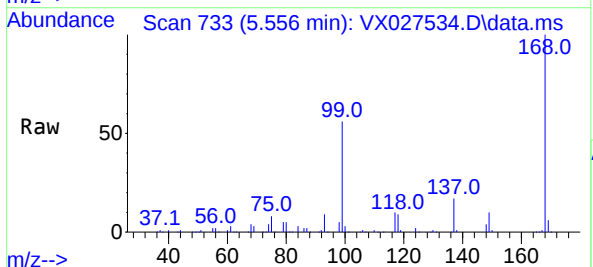
Instrument :
MSVOA_X
ClientSampleId :



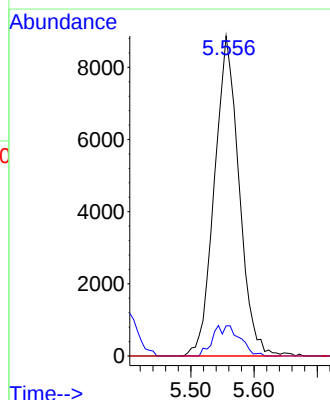
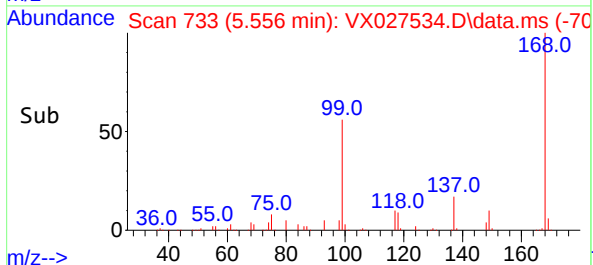
Tgt Ion:113 Resp: 187409
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 20.1 16.9 25.3

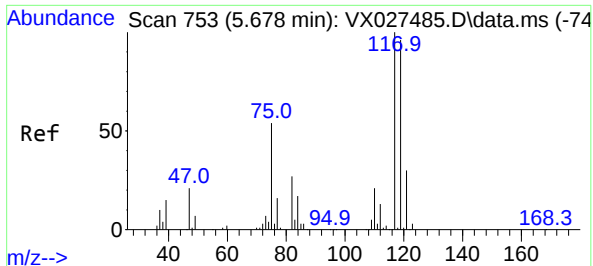


#36
1,1-Dichloropropene
Concen: 4.802 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41



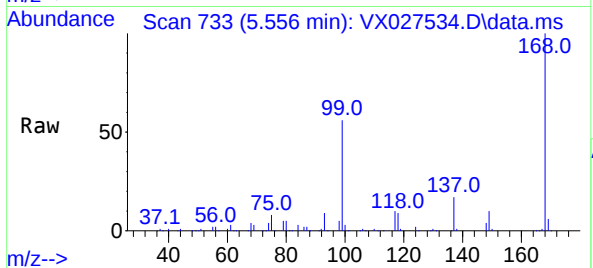
Tgt Ion: 75 Resp: 23955
Ion Ratio Lower Upper
75 100
110 4.3 18.3 54.8#
77 0.0 24.8 37.2#



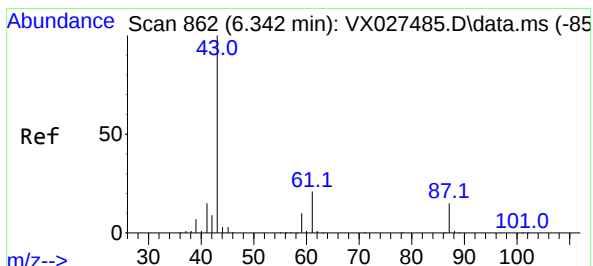
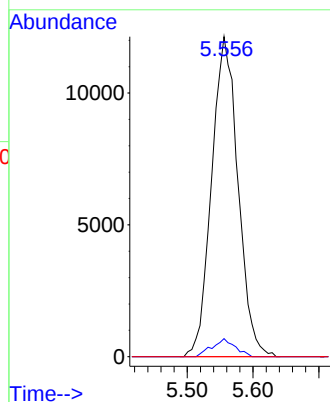
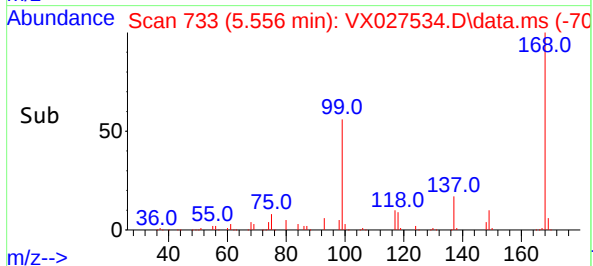


#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

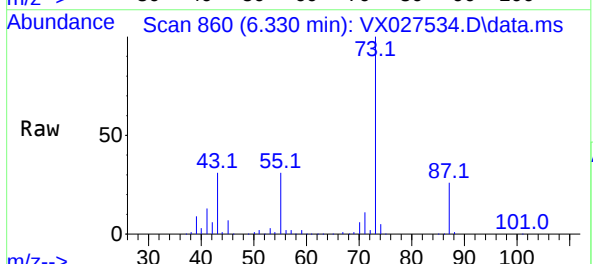
Instrument :
MSVOA_X
ClientSampleId :



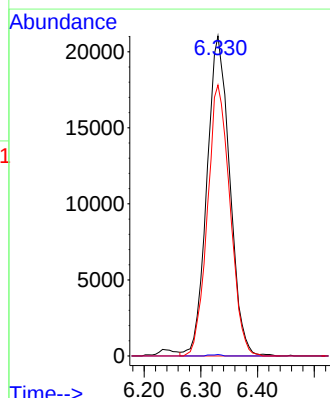
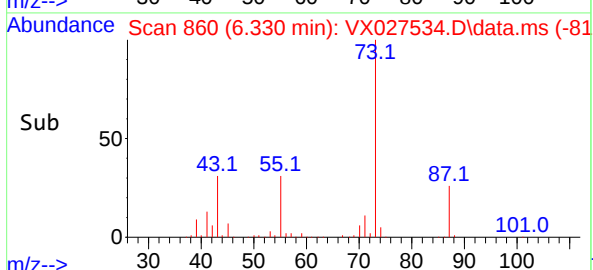
Tgt Ion:117 Resp: 33899
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#

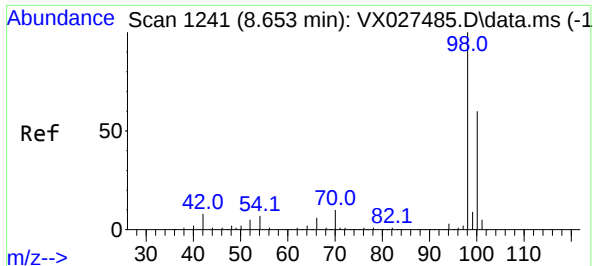


#43
Isopropyl Acetate
Concen: 7.367 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41



Tgt Ion: 43 Resp: 58935
Ion Ratio Lower Upper
43 100
61 0.2 18.5 27.7#
87 83.6 13.0 19.6#

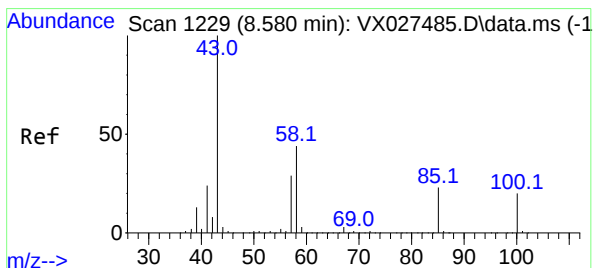
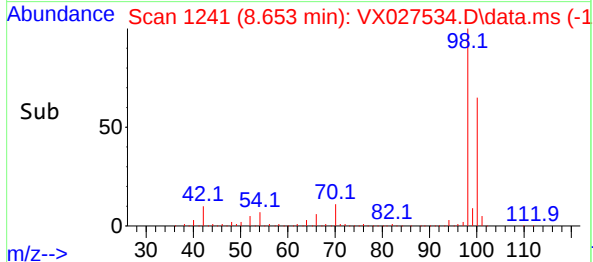
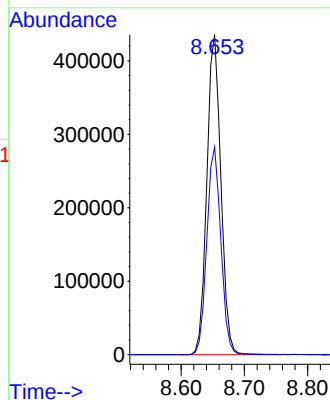
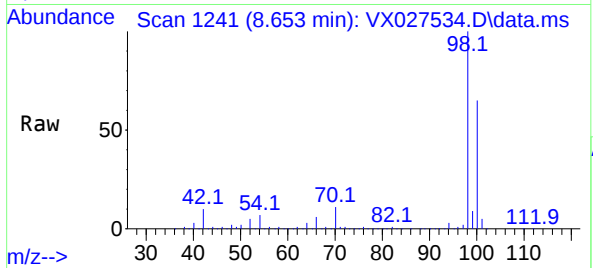




#50
Toluene-d8
Concen: 48.711 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

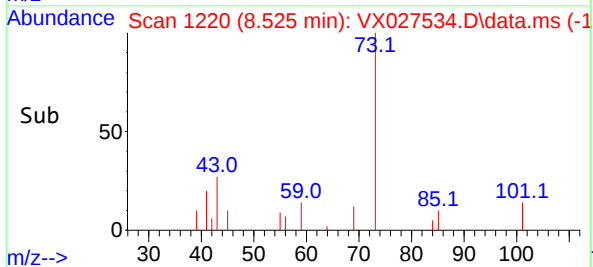
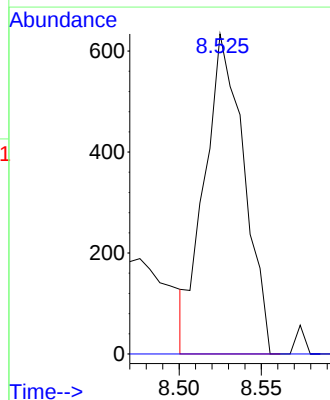
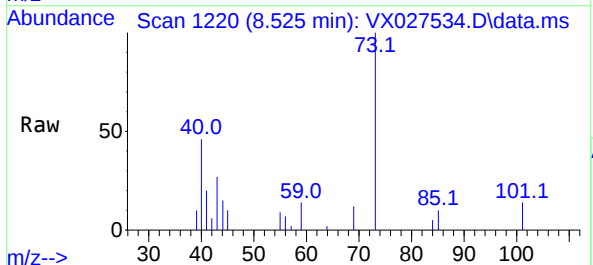
Instrument :
MSVOA_X
ClientSampleId :

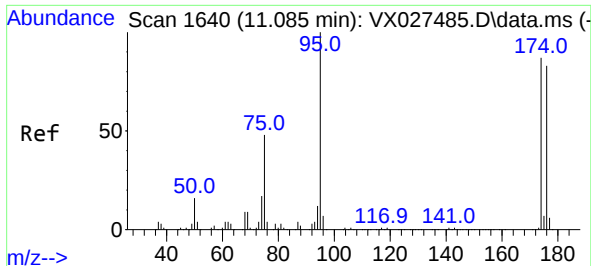
Tgt Ion: 98 Resp: 672892
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.206 ug/l
RT: 8.525 min Scan# 1220
Delta R.T. -0.055 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

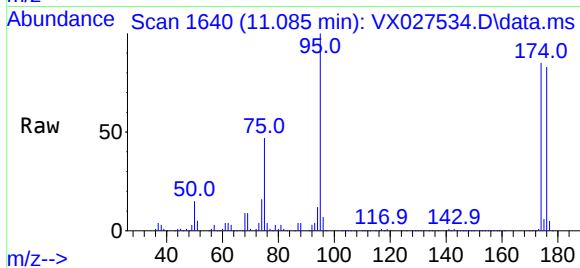
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#



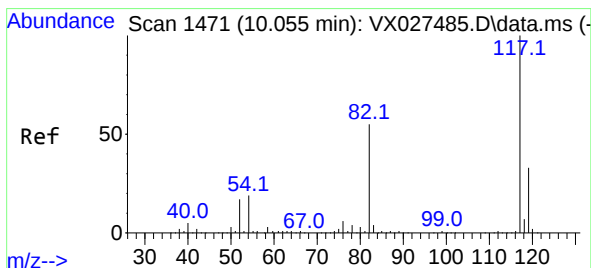
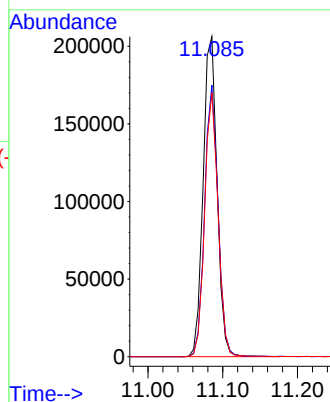
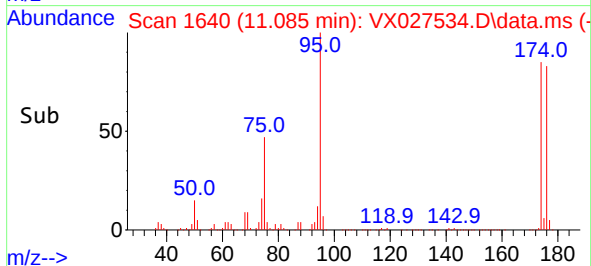


#62
4-Bromofluorobenzene
Concen: 52.506 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

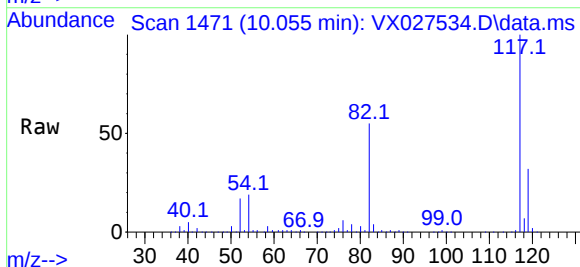
Instrument :
MSVOA_X
ClientSampleId :



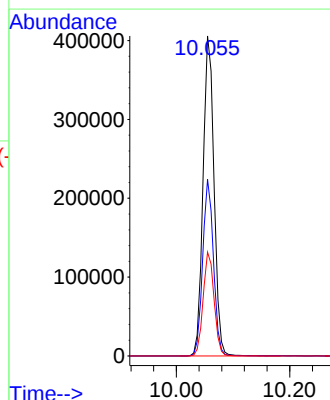
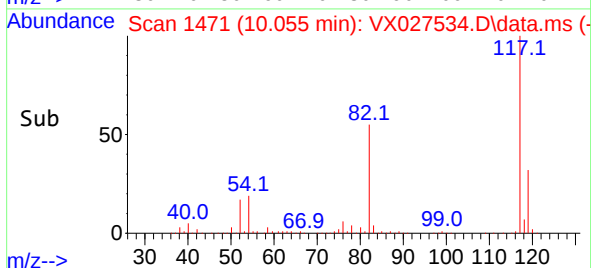
Tgt Ion: 95 Resp: 266593
Ion Ratio Lower Upper
95 100
174 81.9 0.0 163.0
176 79.3 0.0 155.0

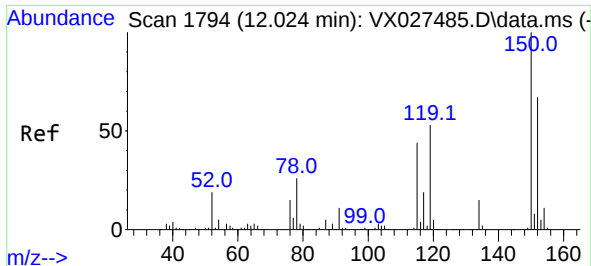


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41



Tgt Ion: 117 Resp: 546761
Ion Ratio Lower Upper
117 100
82 55.2 41.8 62.8
119 32.5 24.8 37.2

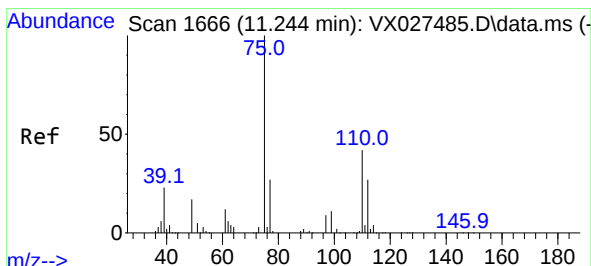
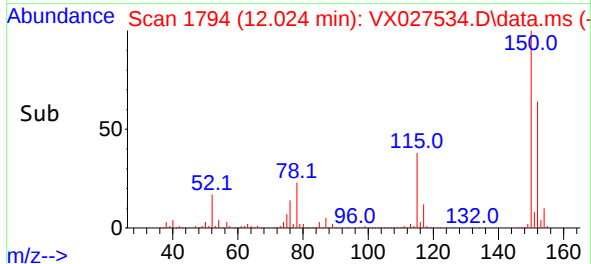
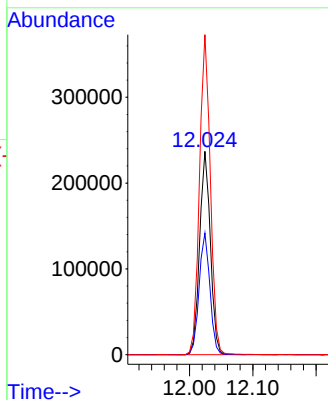
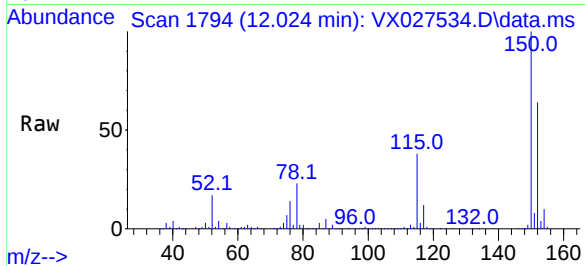




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

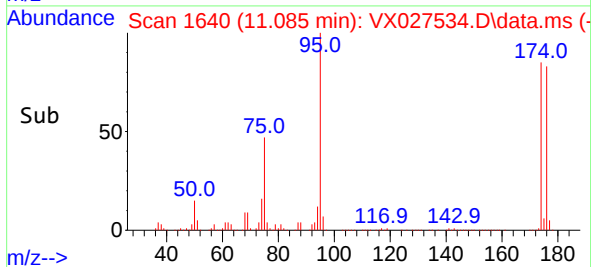
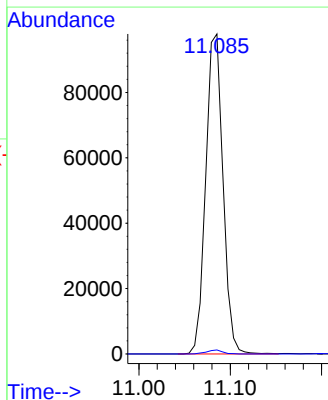
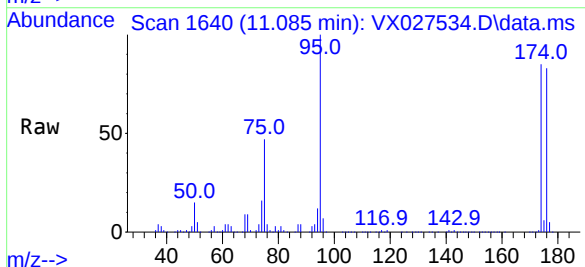
Instrument :
MSVOA_X
ClientSampleId :

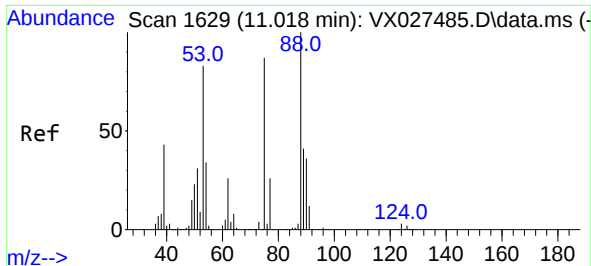
Tgt Ion:152 Resp: 281566
Ion Ratio Lower Upper
152 100
115 60.0 37.5 112.7
150 158.4 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 21.788 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

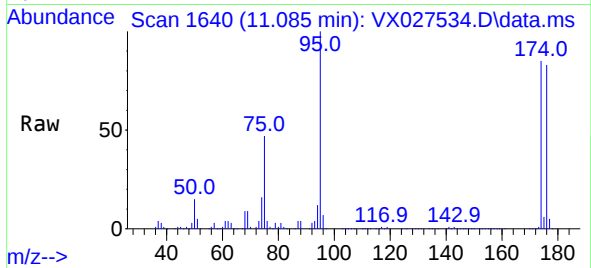
Tgt Ion: 75 Resp: 128318
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.171 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX027534.D
Acq: 18 Mar 2022 17:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 128318
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

