

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027584.D
 Acq On : 21 Mar 2022 14:27
 Operator : JC/MD
 Sample : N1998-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:46:09 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

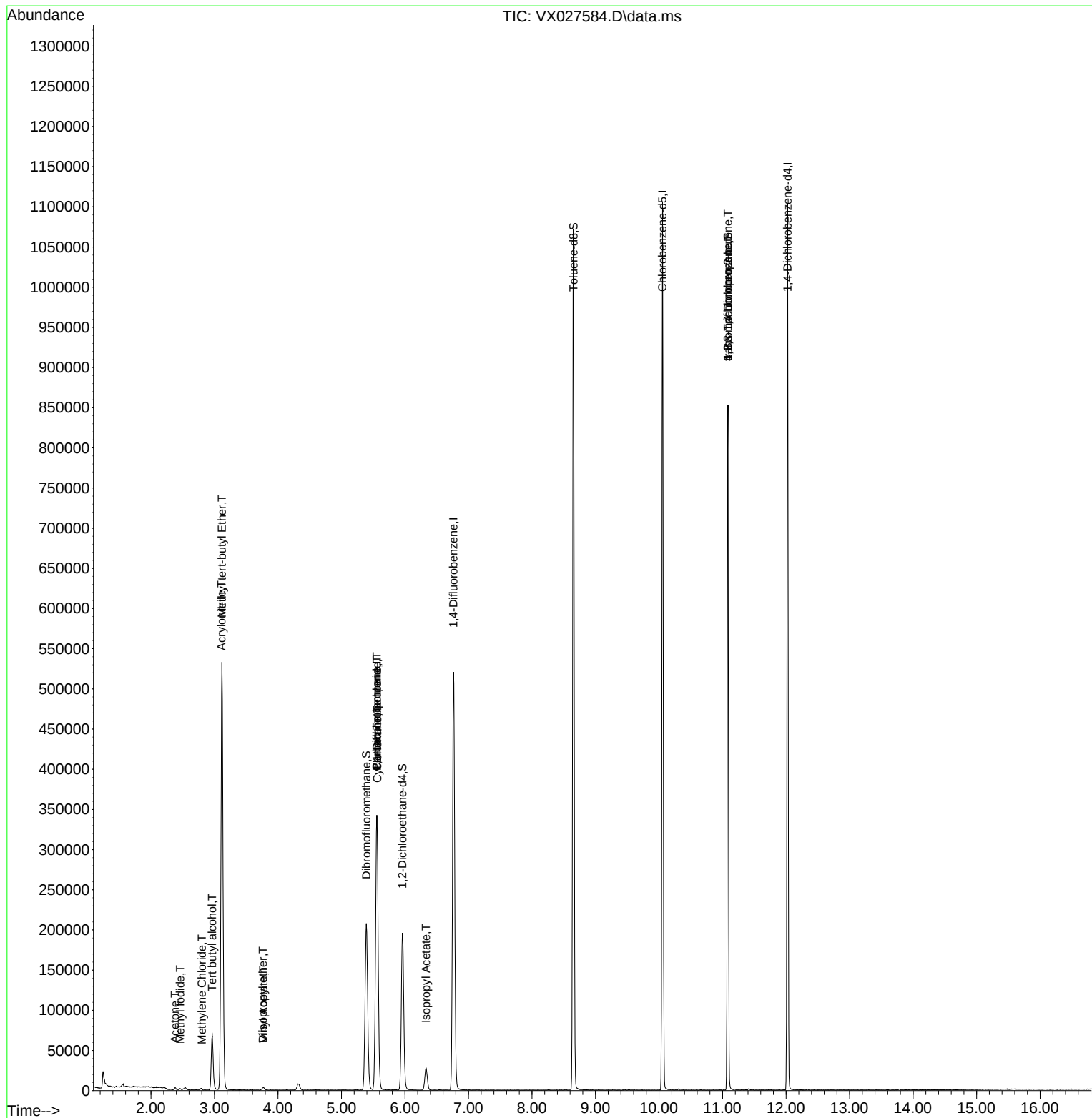
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	352118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	577722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	527243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	242720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189489	43.684	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.360%
35) Dibromofluoromethane	5.391	113	184686	49.687	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.380%
50) Toluene-d8	8.653	98	668627	47.537	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.080%
62) 4-Bromofluorobenzene	11.085	95	234035	45.270	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.540%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	842	Below Cal	#	57
10) Methyl Iodide	2.459	142	1937	0.429	ug/l	97
11) Tert butyl alcohol	2.965	59	76296	92.291	ug/l	100
15) Acrylonitrile	3.111	53	6571	3.496	ug/l #	30
16) Acetone	2.379	43	2752	1.556	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	611608	55.441	ug/l	100
20) Methylene Chloride	2.800	84	1029	0.271	ug/l #	76
22) Diisopropyl ether	3.763	45	3362	0.336	ug/l #	79
23) Vinyl Acetate	3.769	43	1794	0.206	ug/l #	66
31) Cyclohexane	5.562	56	5449	1.012	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22895	4.507	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32463	5.586	ug/l #	16
43) Isopropyl Acetate	6.330	43	8786	1.079	ug/l #	7
76) 1,2,3-Trichloropropane	11.085	75	104992	20.680	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	104992	62.807	ug/l #	15

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

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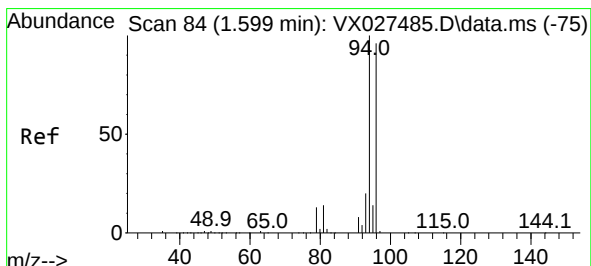
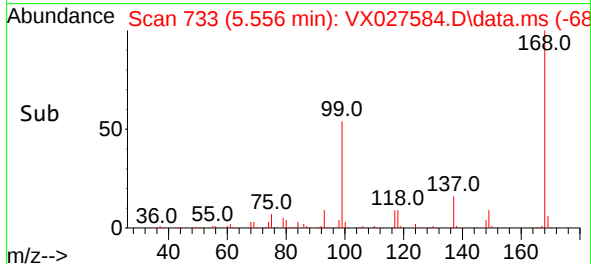
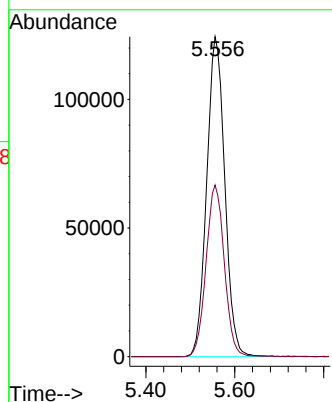
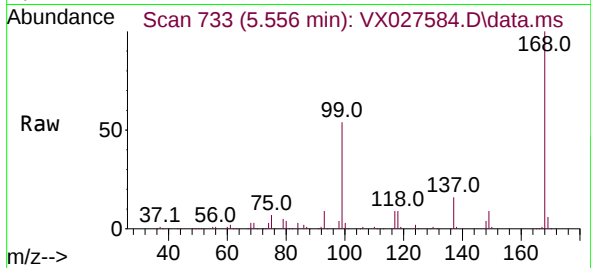




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

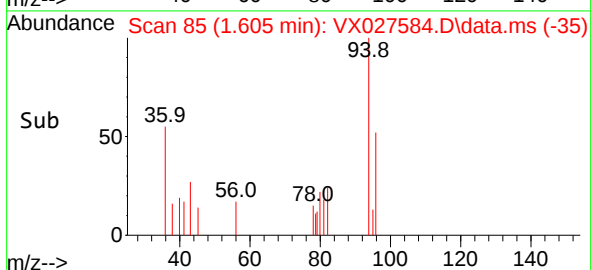
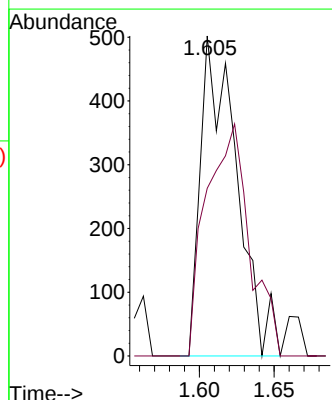
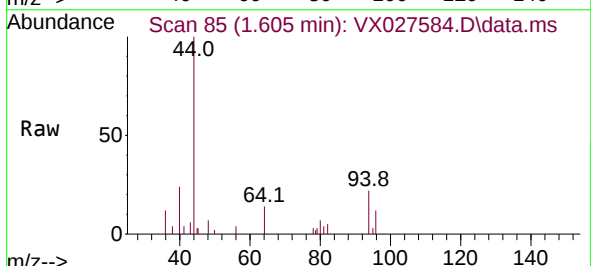
Instrument :
MSVOA_X
ClientSampleId :

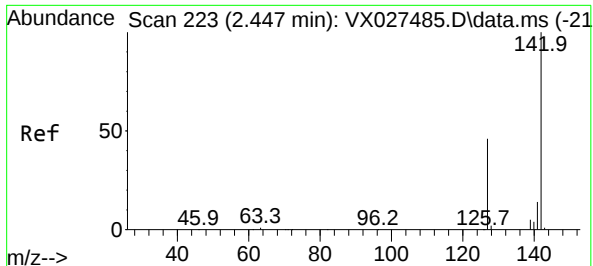
Tgt Ion:168 Resp: 352118
Ion Ratio Lower Upper
168 100
99 53.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

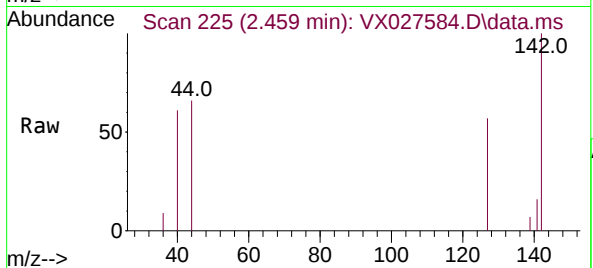
Tgt Ion: 94 Resp: 842
Ion Ratio Lower Upper
94 100
96 52.4 75.3 112.9#



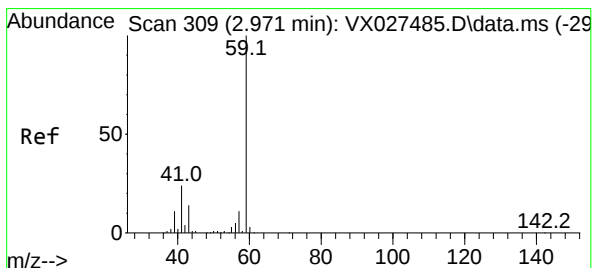
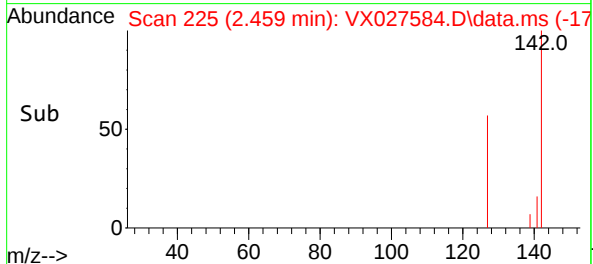
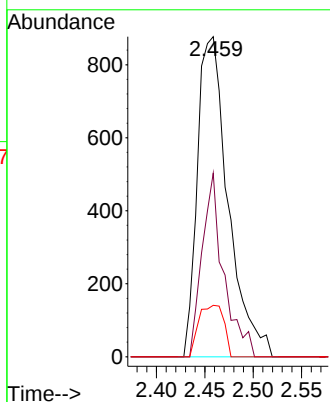


#10
Methyl Iodide
Concen: 0.429 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Instrument :
MSVOA_X
ClientSampleId :

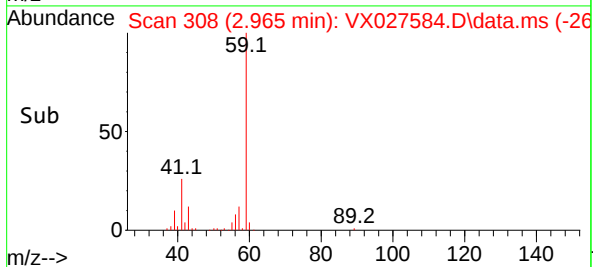
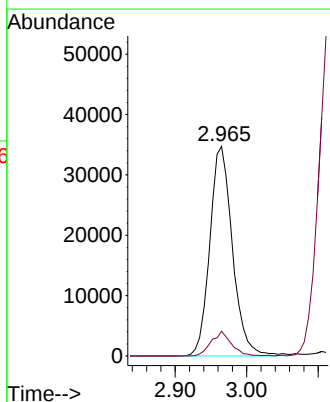
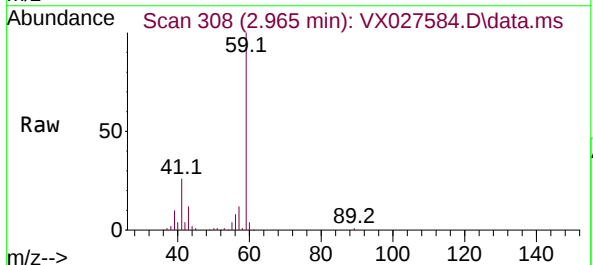


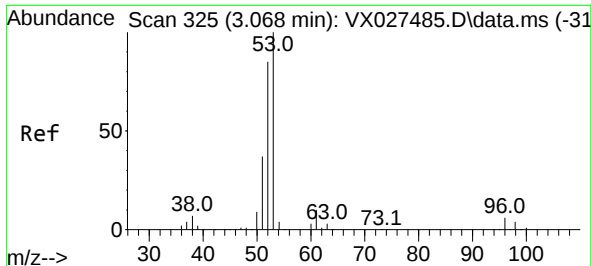
Tgt Ion:142 Resp: 1937
Ion Ratio Lower Upper
142 100
127 40.2 33.9 50.9
141 13.2 11.4 17.2



#11
Tert butyl alcohol
Concen: 92.291 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Tgt Ion: 59 Resp: 76296
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5





#15

Acrylonitrile

Concen: 3.496 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX027584.D

Acq: 21 Mar 2022 14:27

Instrument :

MSVOA_X

ClientSampleId :

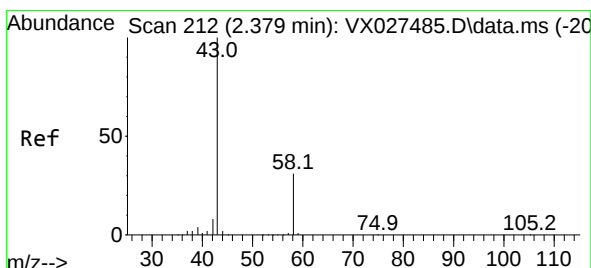
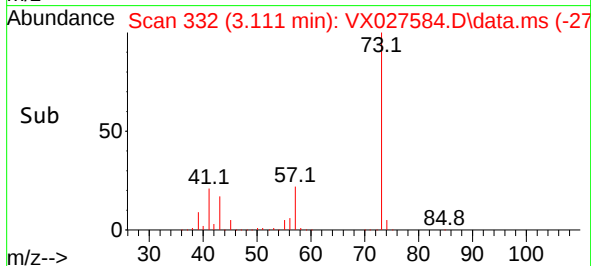
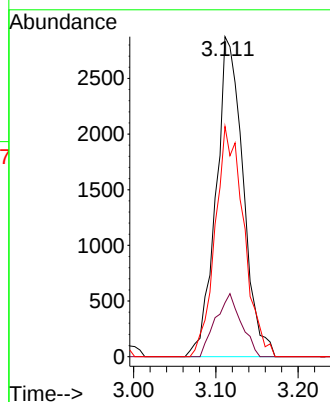
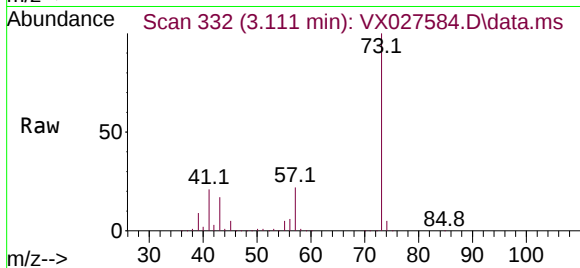
Tgt Ion: 53 Resp: 6571

Ion Ratio Lower Upper

53 100

52 18.6 65.7 98.5#

51 76.1 28.4 42.6#



#16

Acetone

Concen: 1.556 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX027584.D

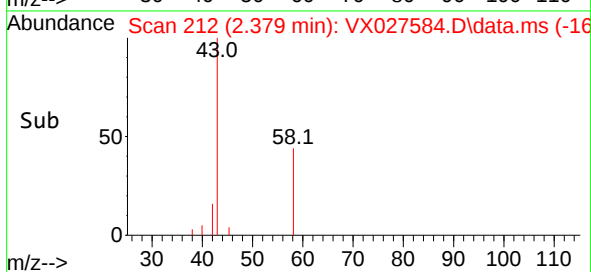
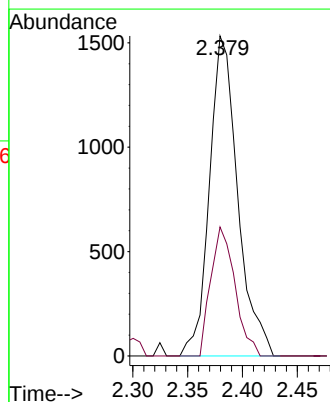
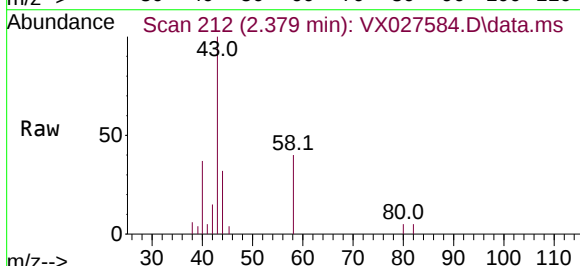
Acq: 21 Mar 2022 14:27

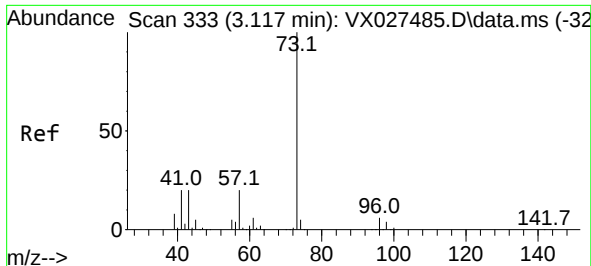
Tgt Ion: 43 Resp: 2752

Ion Ratio Lower Upper

43 100

58 40.3 28.8 43.2

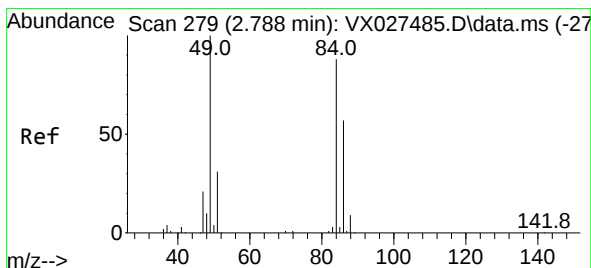
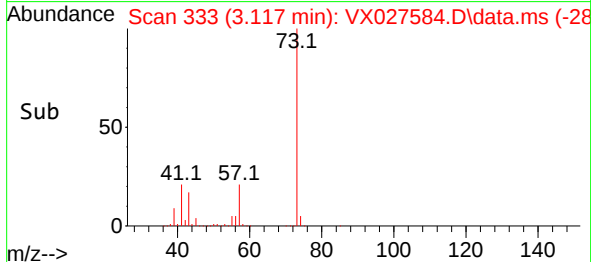
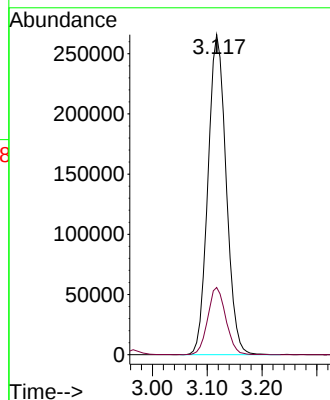
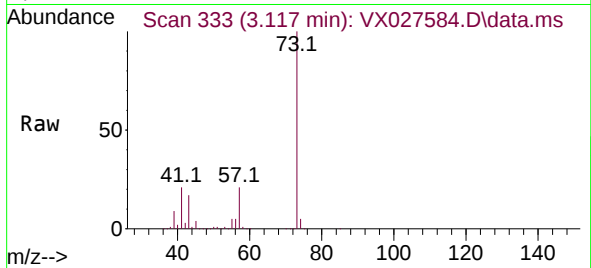




#19
Methyl tert-butyl Ether
Concen: 55.441 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

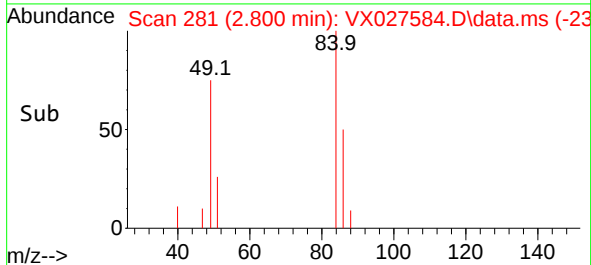
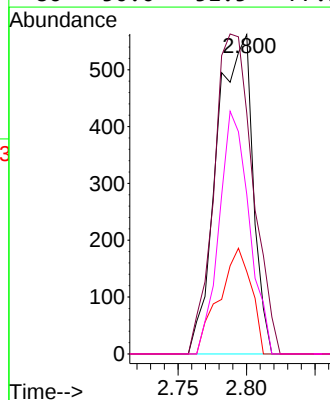
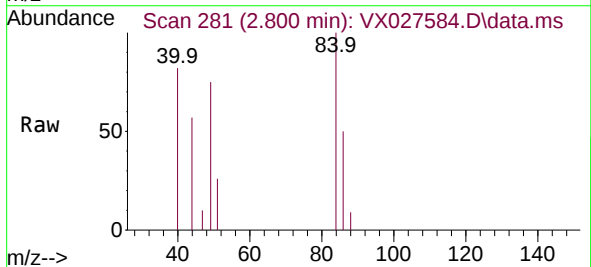
Instrument :
MSVOA_X
ClientSampleId :

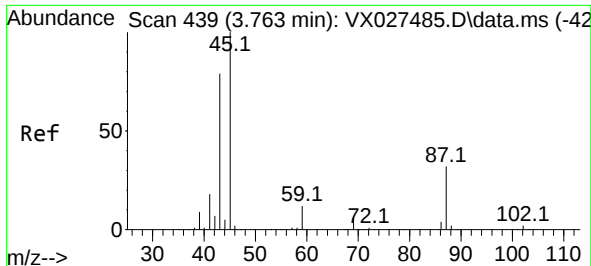
Tgt Ion: 73 Resp: 611608
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2



#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

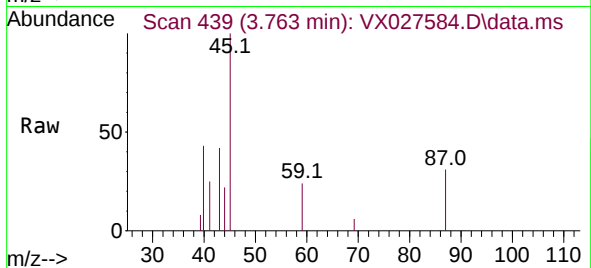
Tgt Ion: 84 Resp: 1029
Ion Ratio Lower Upper
84 100
49 75.4 85.5 128.3#
51 25.8 26.6 39.8#
86 50.0 51.5 77.3#





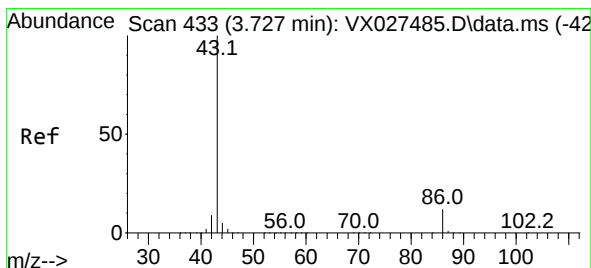
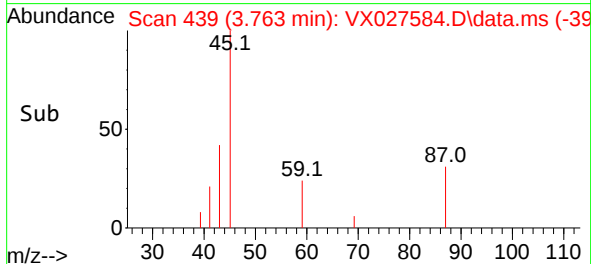
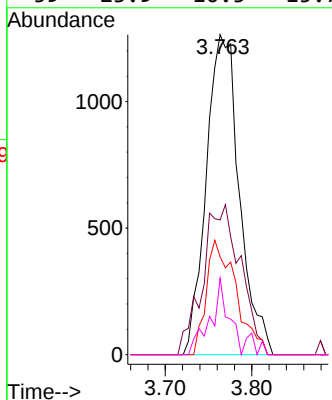
#22
Diisopropyl ether
Concen: 0.336 ug/l
RT: 3.763 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 45 Resp: 3362

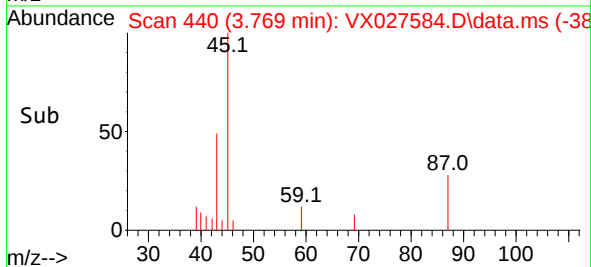
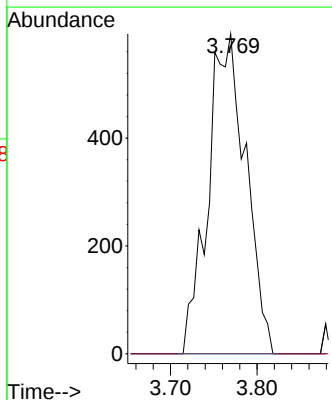
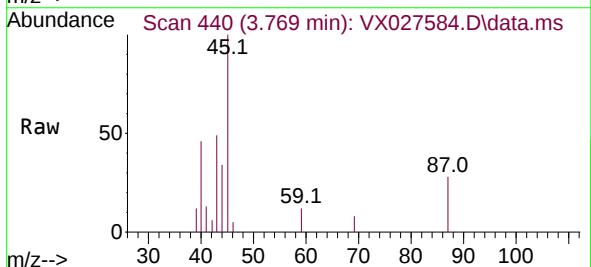
Ion	Ratio	Lower	Upper
45	100		
43	42.1	50.8	76.2#
87	30.6	26.6	39.8
59	23.9	10.5	15.7#

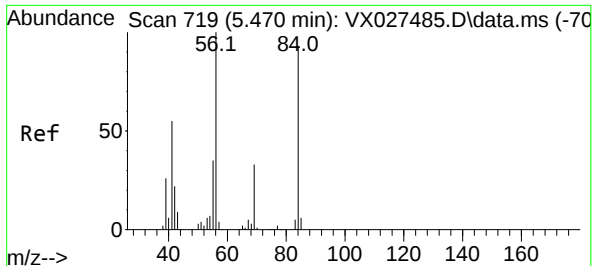


#23
Vinyl Acetate
Concen: 0.206 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Tgt Ion: 43 Resp: 1794

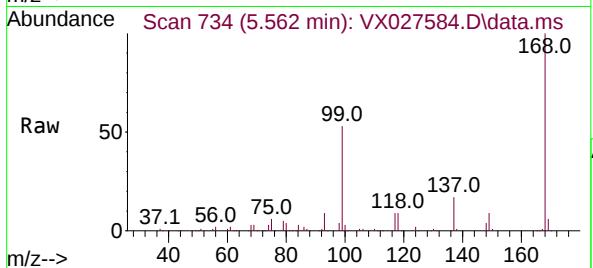
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



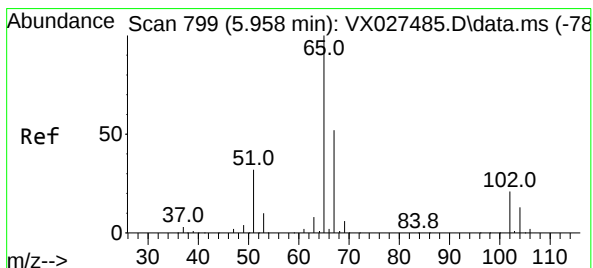
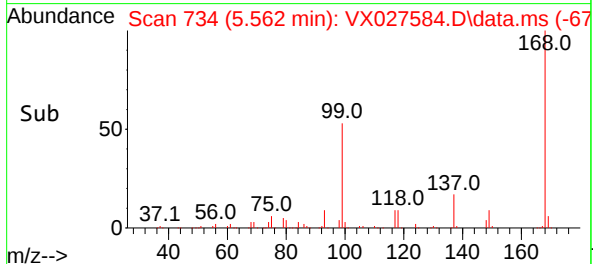
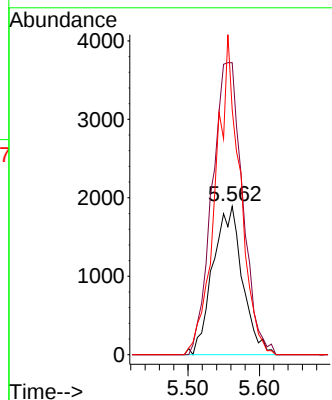


#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Instrument :
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ClientSampleId :

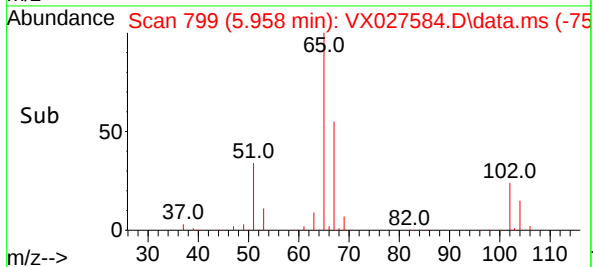
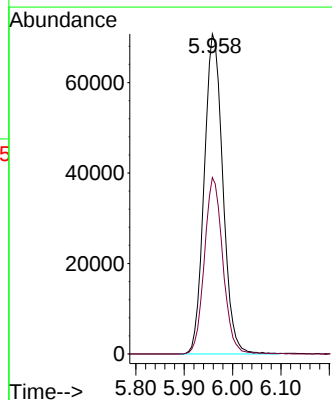
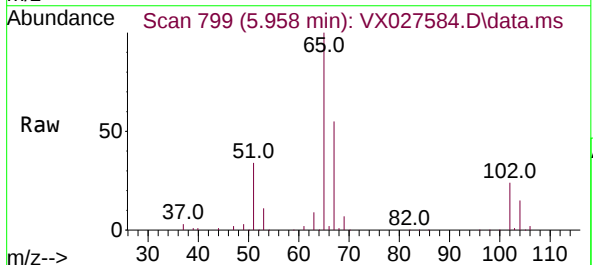


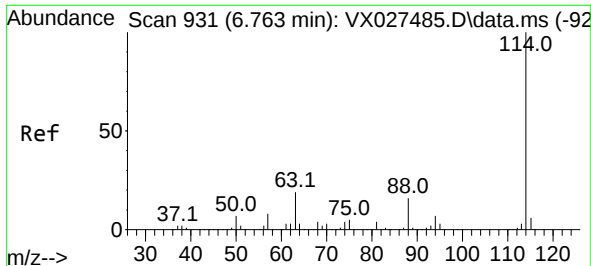
Tgt Ion: 56 Resp: 5449
Ion Ratio Lower Upper
56 100
69 196.8 26.7 40.1#
84 165.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 43.684 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Tgt Ion: 65 Resp: 189489
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.4

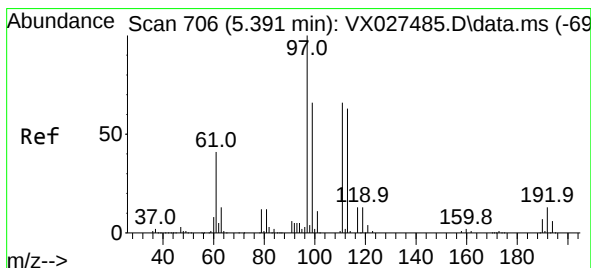
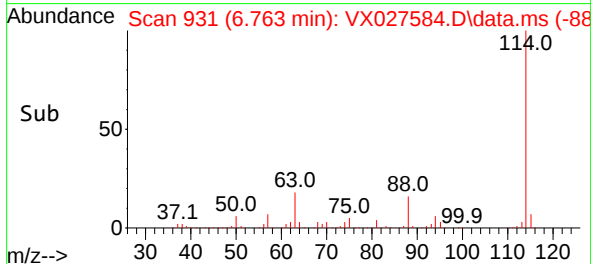
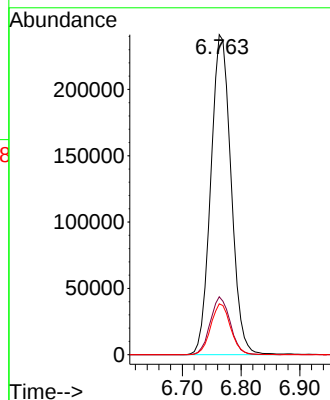
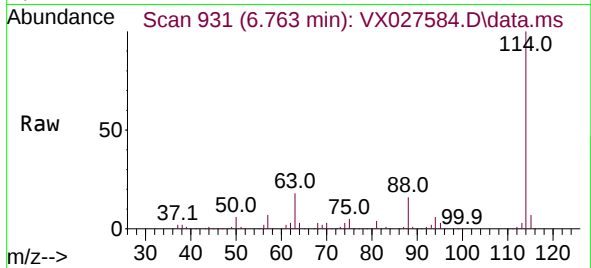




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

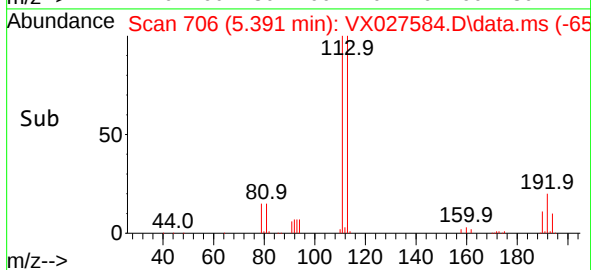
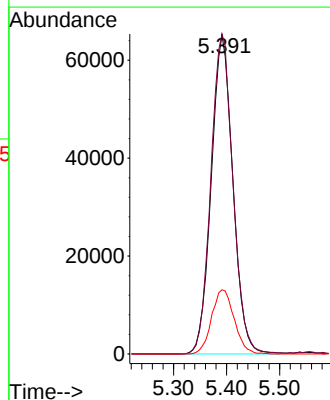
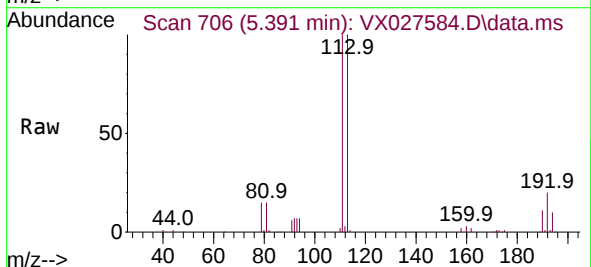
Instrument :
MSVOA_X
ClientSampleId :

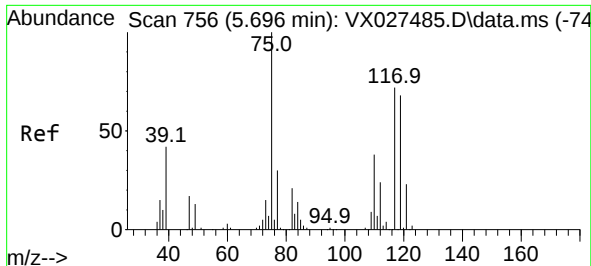
Tgt Ion:114 Resp: 577722
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.687 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

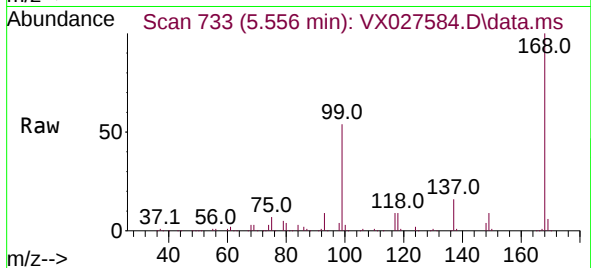
Tgt Ion:113 Resp: 184686
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 21.0 16.9 25.3



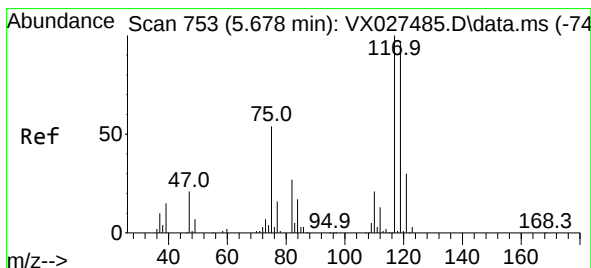
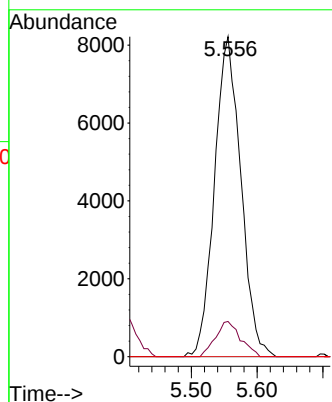
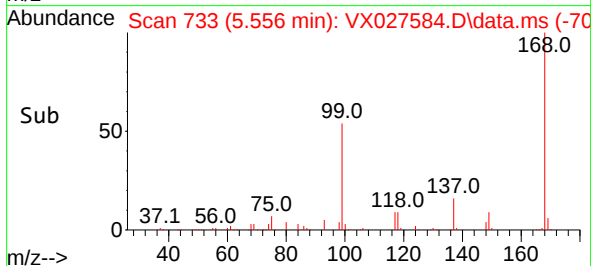


#36
1,1-Dichloropropene
Concen: 4.507 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

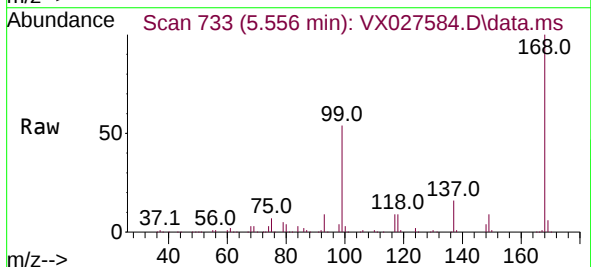
Instrument :
MSVOA_X
ClientSampleId :



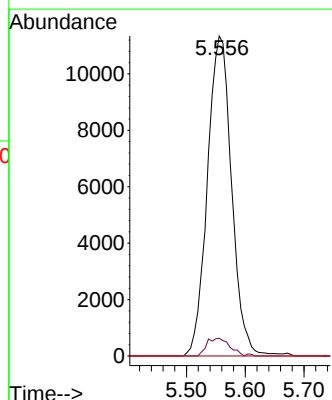
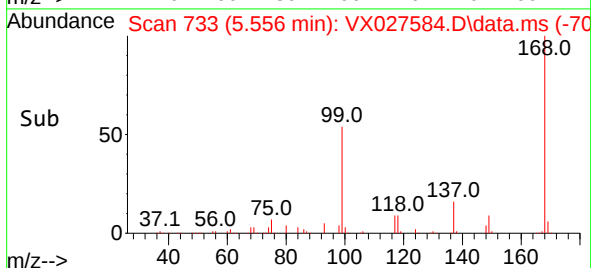
Tgt Ion: 75 Resp: 22895
Ion Ratio Lower Upper
75 100
110 10.5 18.3 54.8#
77 0.0 24.8 37.2#

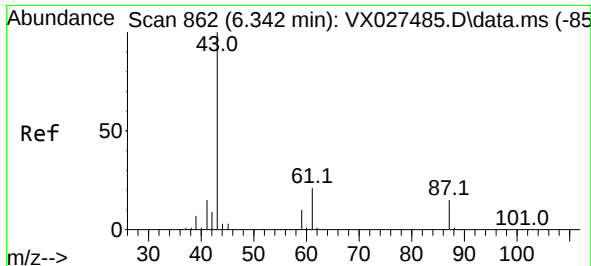


#38
Carbon Tetrachloride
Concen: 5.586 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27



Tgt Ion: 117 Resp: 32463
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#

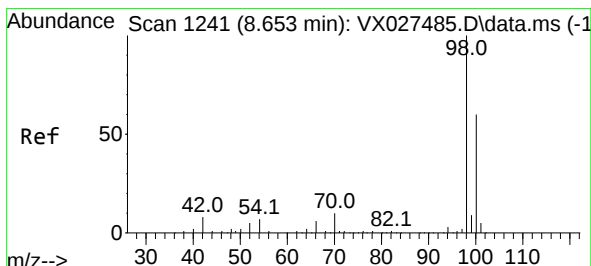
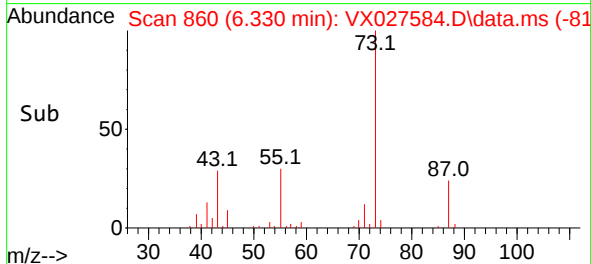
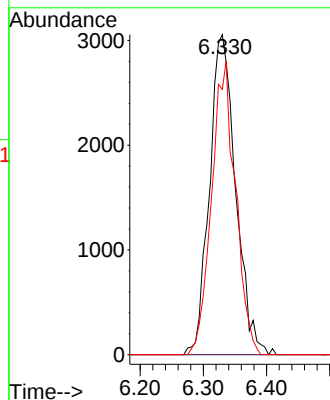
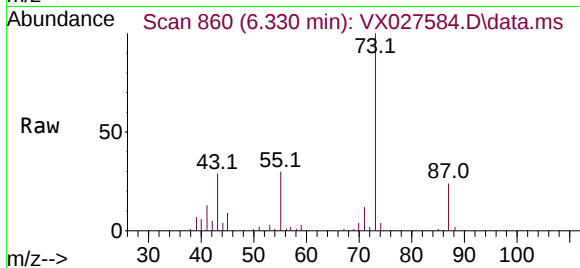




#43
Isopropyl Acetate
Concen: 1.079 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

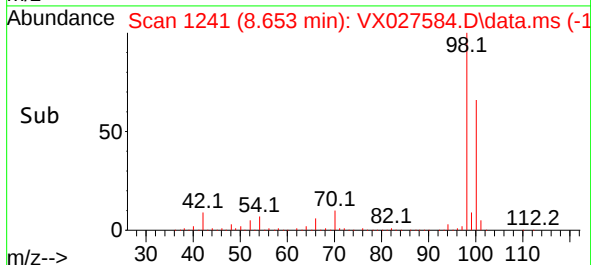
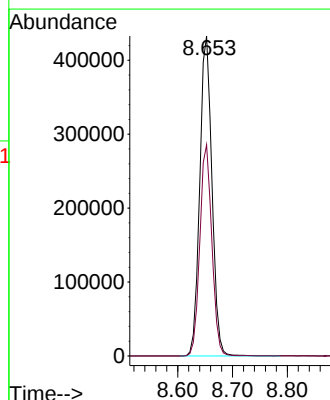
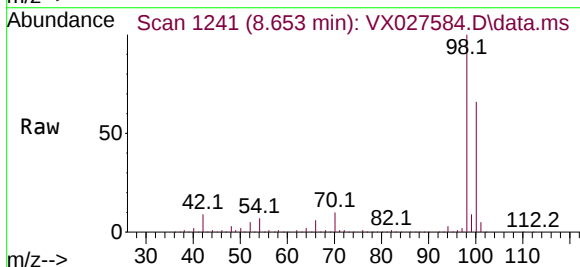
Instrument :
MSVOA_X
ClientSampleId :

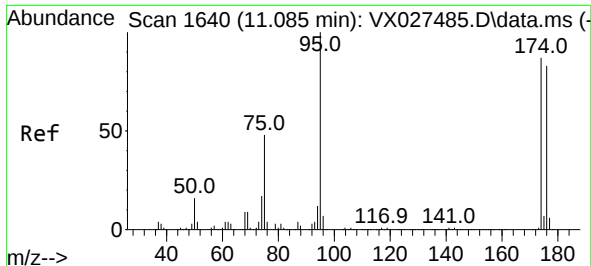
Tgt Ion: 43 Resp: 8786
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 83.6 13.0 19.6#



#50
Toluene-d8
Concen: 47.537 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Tgt Ion: 98 Resp: 668627
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

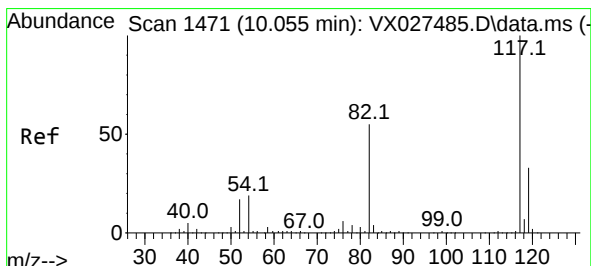
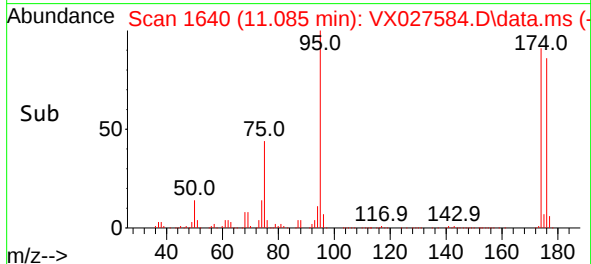
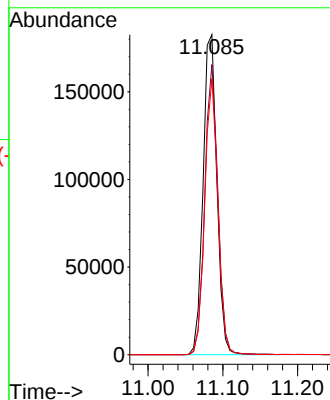
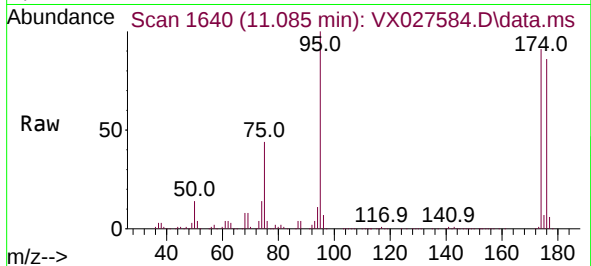




#62
4-Bromofluorobenzene
Concen: 45.270 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

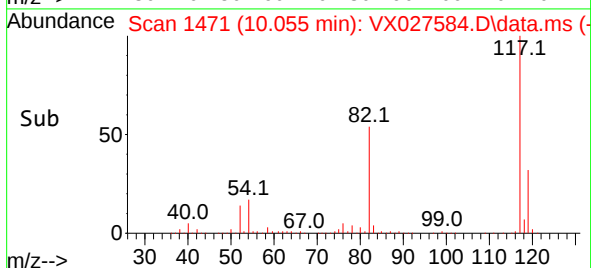
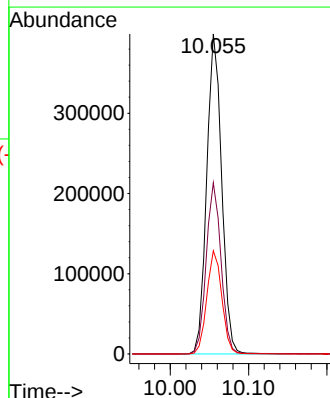
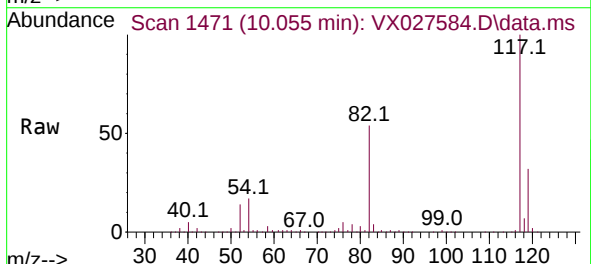
Instrument :
MSVOA_X
ClientSampleId :

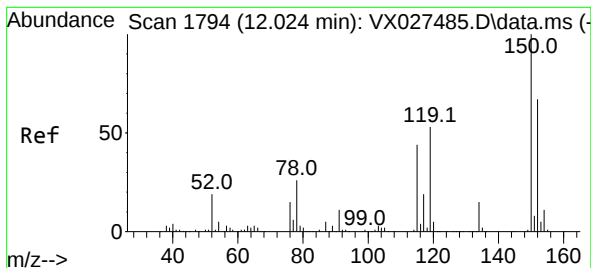
Tgt Ion: 95 Resp: 234035
Ion Ratio Lower Upper
95 100
174 86.3 0.0 163.0
176 82.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027584.D
Acq: 21 Mar 2022 14:27

Tgt Ion: 117 Resp: 527243
Ion Ratio Lower Upper
117 100
82 53.5 41.8 62.8
119 32.2 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: VX027584.D

Acq: 21 Mar 2022 14:27

Instrument :

MSVOA_X

ClientSampleId :

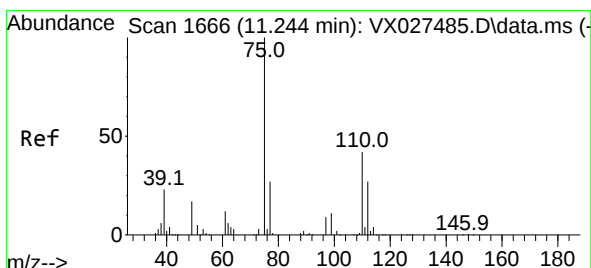
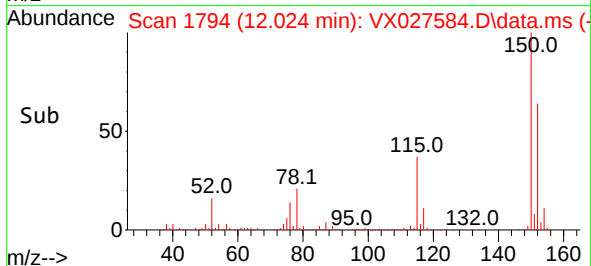
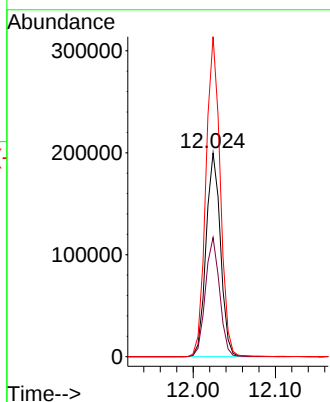
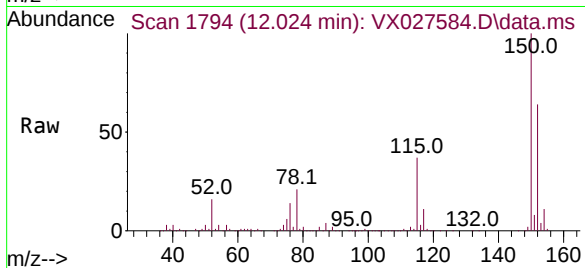
Tgt Ion:152 Resp: 242720

Ion Ratio Lower Upper

152 100

115 57.8 37.5 112.7

150 156.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 20.680 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX027584.D

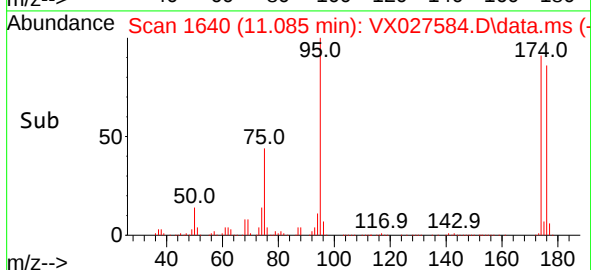
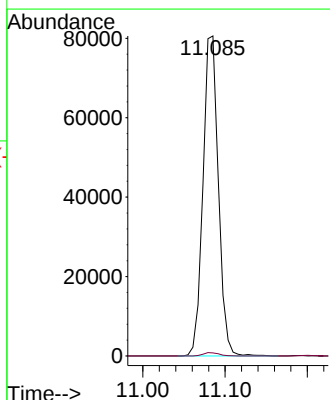
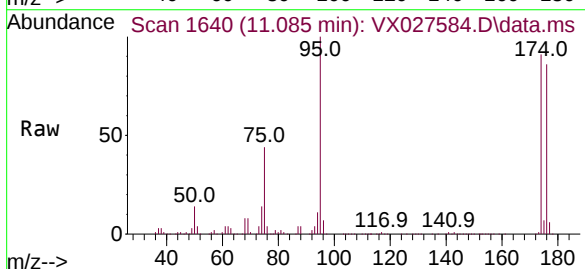
Acq: 21 Mar 2022 14:27

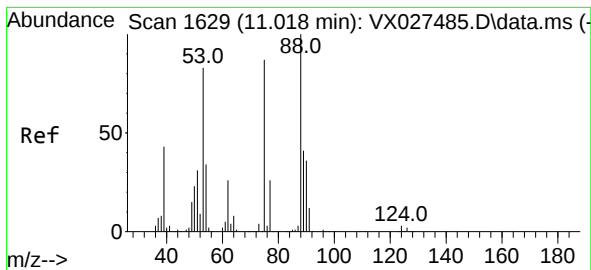
Tgt Ion: 75 Resp: 104992

Ion Ratio Lower Upper

75 100

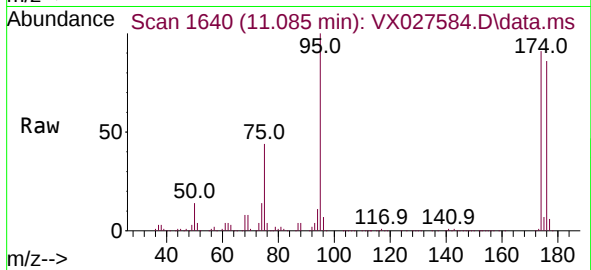
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.807 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX027584.D
 Acq: 21 Mar 2022 14:27

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 104992
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

