

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027533.D
 Acq On : 18 Mar 2022 17:17
 Operator : JC/MD
 Sample : N1998-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:08:36 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)

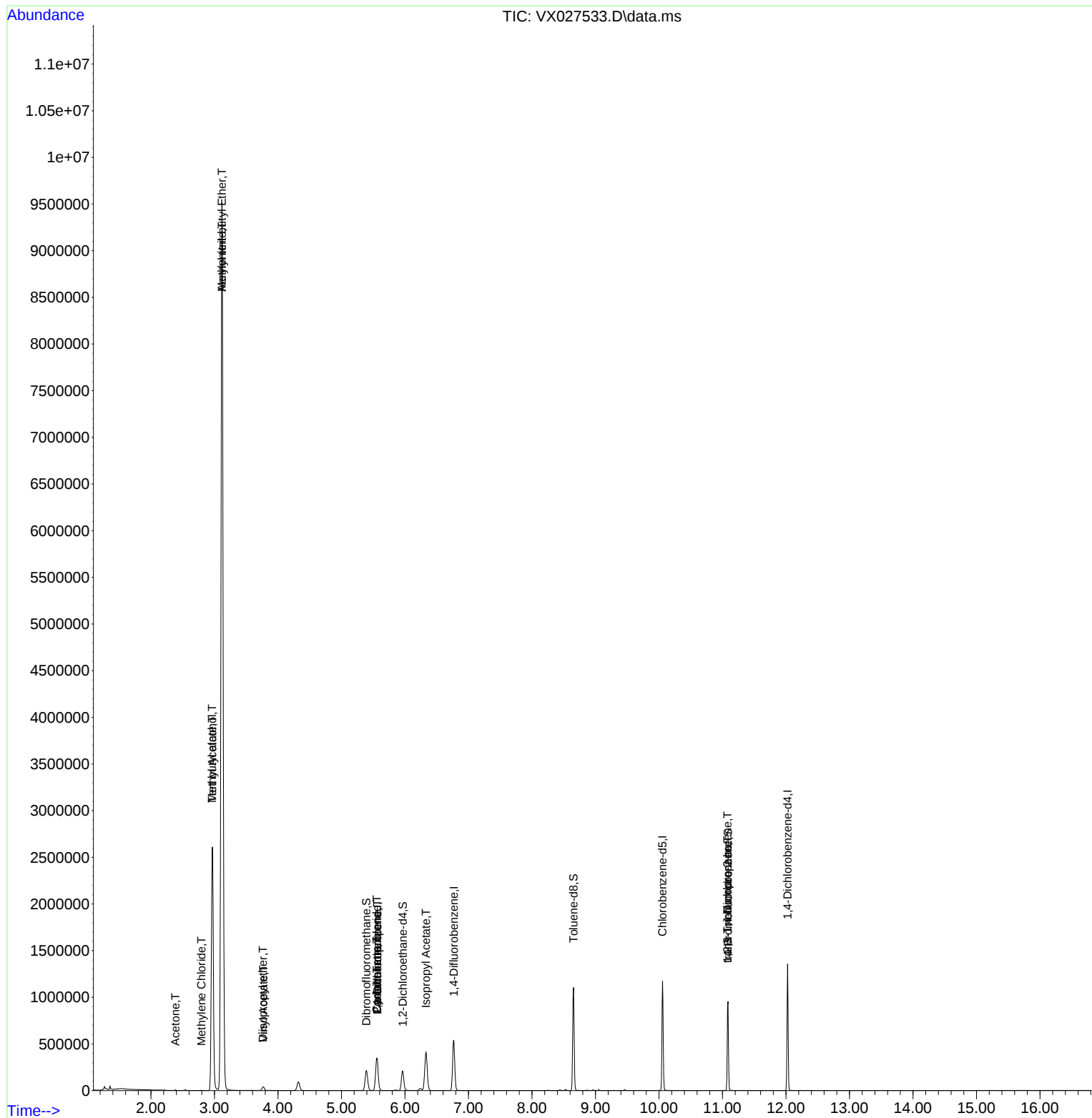
Internal Standards						
1) Pentafluorobenzene	5.562	168	344018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	580562	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	541518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	280304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	210067	49.568	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.140%
35) Dibromofluoromethane	5.391	113	190369	50.966	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.940%
50) Toluene-d8	8.653	98	685567	48.503	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.000%
62) 4-Bromofluorobenzene	11.085	95	262220	50.473	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	214	Below Cal		84
11) Tert butyl alcohol	2.965	59	3115098	3856.881	ug/l	100
15) Acrylonitrile	3.117	53	113965	62.065	ug/l #	29
16) Acetone	2.386	43	7201	4.169	ug/l	99
18) Methyl Acetate	2.965	43	382824	92.469	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	10915642	1012.784	ug/l	94
20) Methylene Chloride	2.794	84	825	0.222	ug/l	95
22) Diisopropyl ether	3.764	45	41873	4.289	ug/l #	86
23) Vinyl Acetate	3.770	43	22027	2.595	ug/l #	66
31) Cyclohexane	5.556	56	6234	1.185	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	24749	4.849	ug/l #	50
38) Carbon Tetrachloride	5.556	117	34158	5.849	ug/l #	15
43) Isopropyl Acetate	6.330	43	131445	16.057	ug/l #	7
76) 1,2,3-Trichloropropane	11.079	75	129353	22.063	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	129353	67.005	ug/l #	15

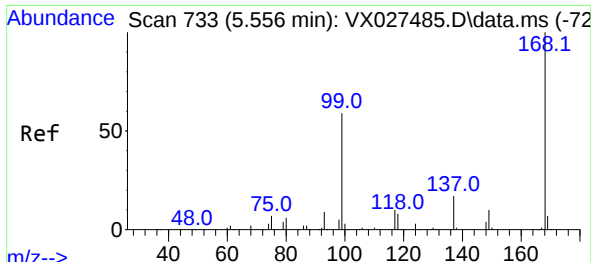
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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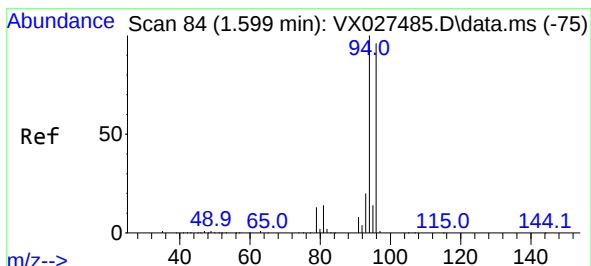
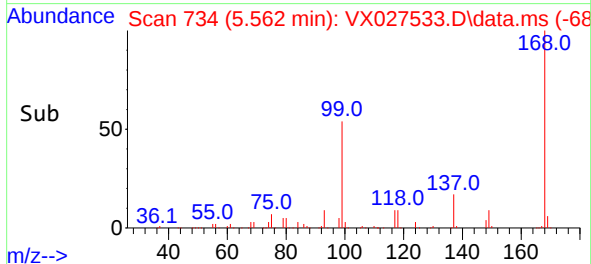
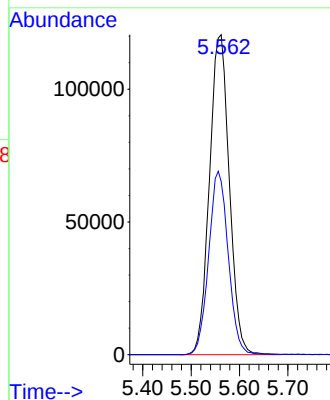
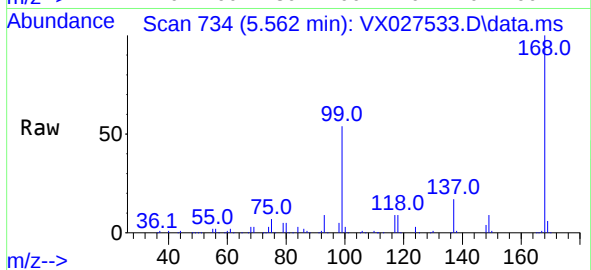




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

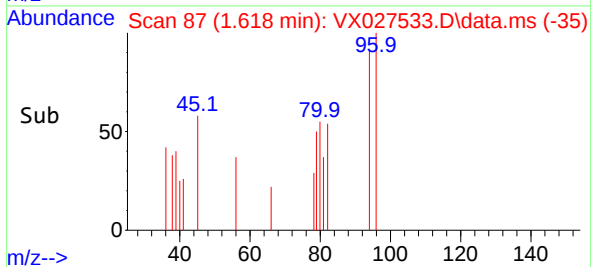
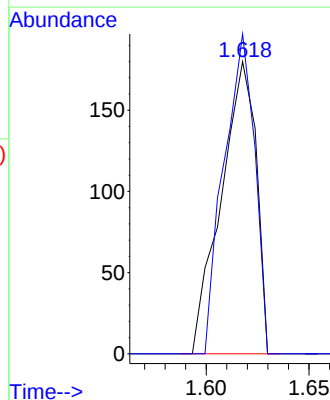
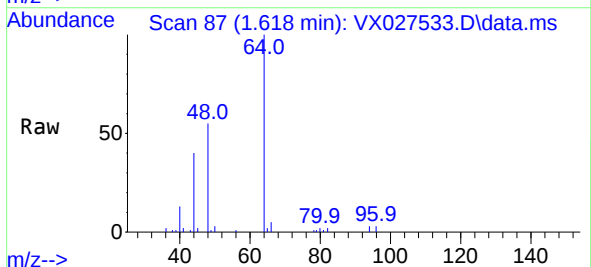
Instrument :
MSVOA_X
ClientSampleId :

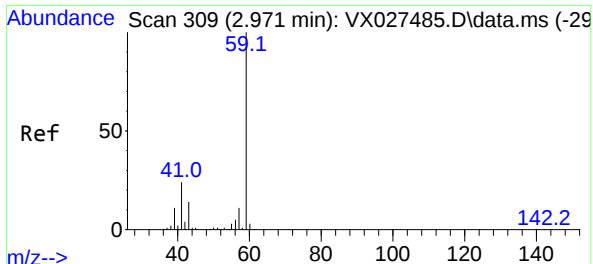
Tgt Ion:168 Resp: 344018
Ion Ratio Lower Upper
168 100
99 54.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Tgt Ion: 94 Resp: 214
Ion Ratio Lower Upper
94 100
96 109.4 75.3 112.9





#11

Tert butyl alcohol

Concen: 3856.881 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX027533.D

Acq: 18 Mar 2022 17:17

Instrument :

MSVOA_X

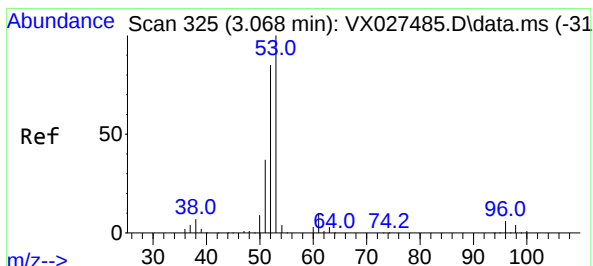
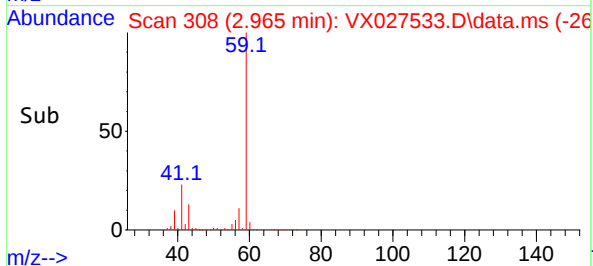
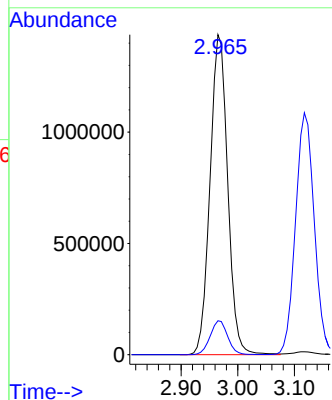
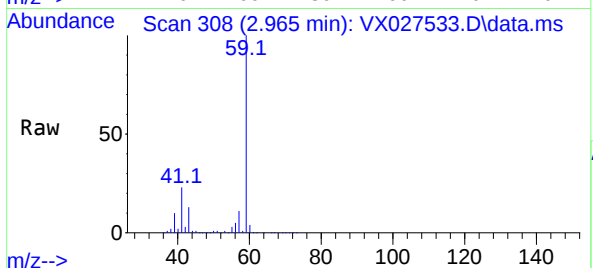
ClientSampleId :

Tgt Ion: 59 Resp: 3115098

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#15

Acrylonitrile

Concen: 62.065 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.049 min

Lab File: VX027533.D

Acq: 18 Mar 2022 17:17

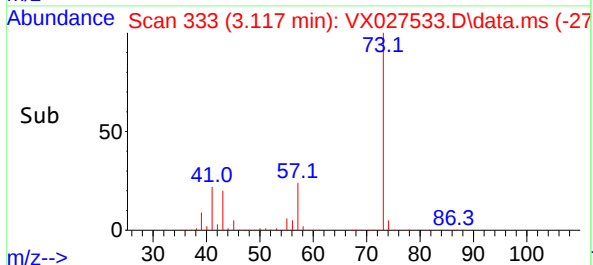
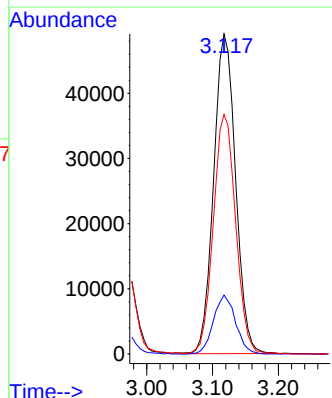
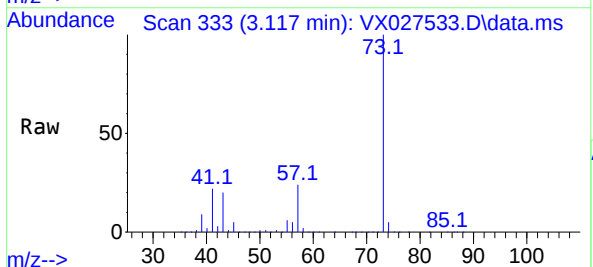
Tgt Ion: 53 Resp: 113965

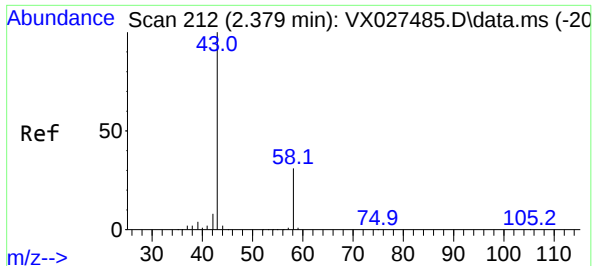
Ion Ratio Lower Upper

53 100

52 18.5 65.7 98.5#

51 76.4 28.4 42.6#

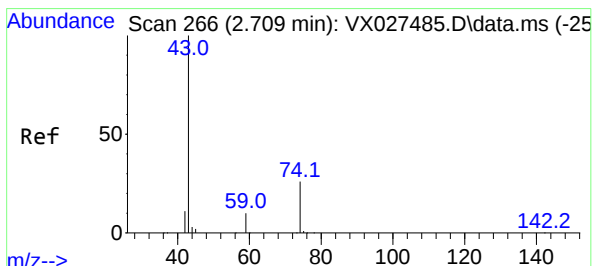
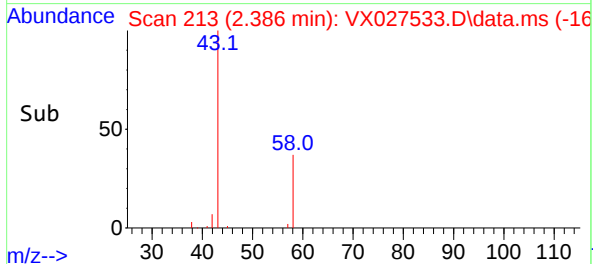
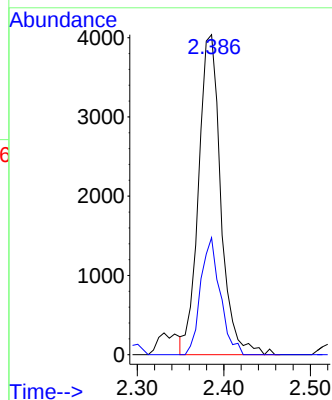
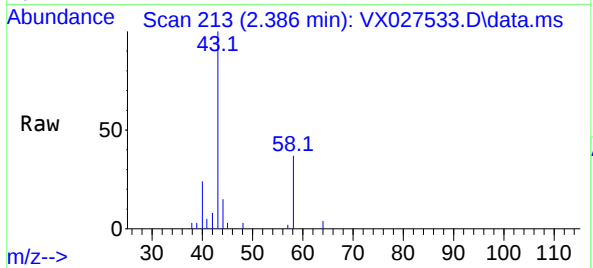




#16
Acetone
Concen: 4.169 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

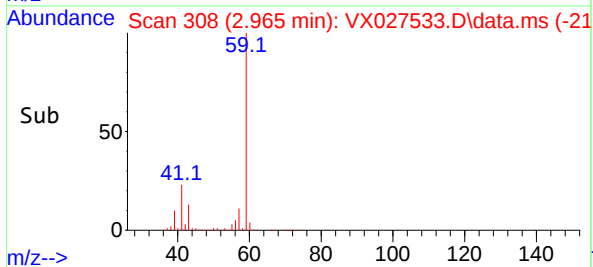
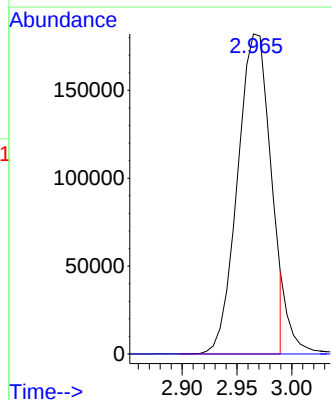
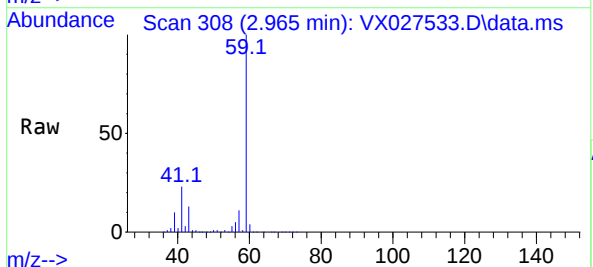
Instrument :
MSVOA_X
ClientSampleId :

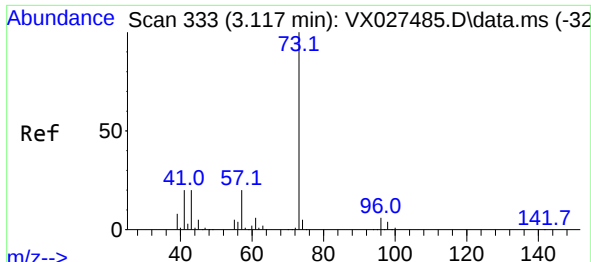
Tgt Ion: 43 Resp: 7201
Ion Ratio Lower Upper
43 100
58 36.6 28.8 43.2



#18
Methyl Acetate
Concen: 92.469 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.256 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

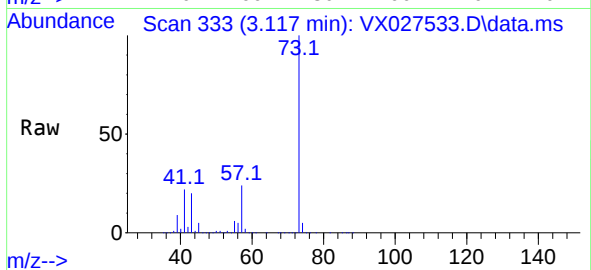
Tgt Ion: 43 Resp: 382824
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



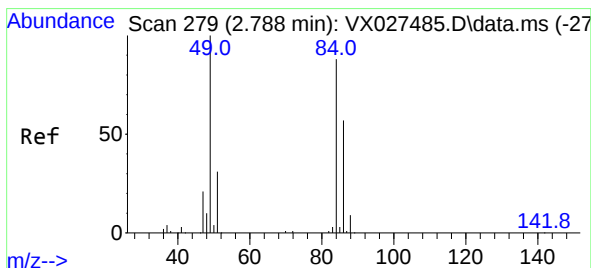
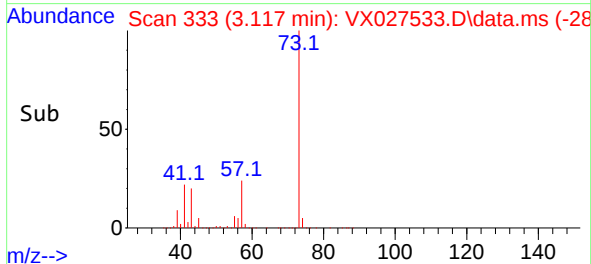
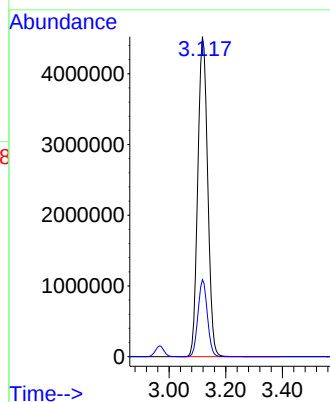


#19
Methyl tert-butyl Ether
Concen: 1012.784 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :

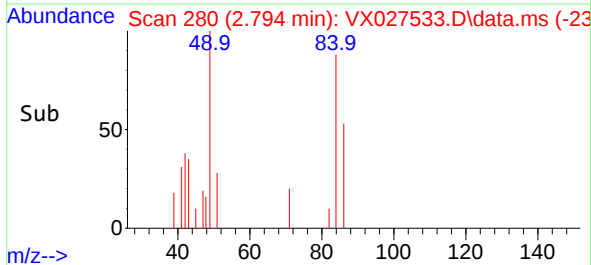
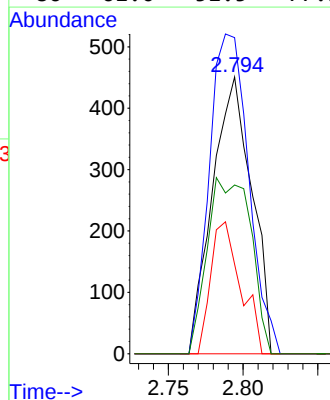
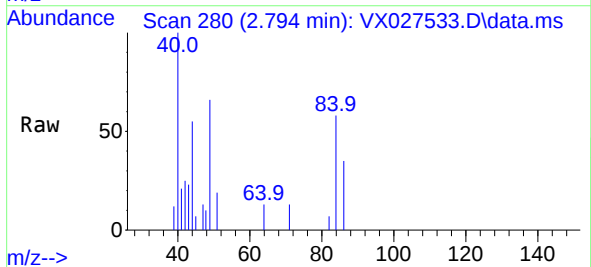


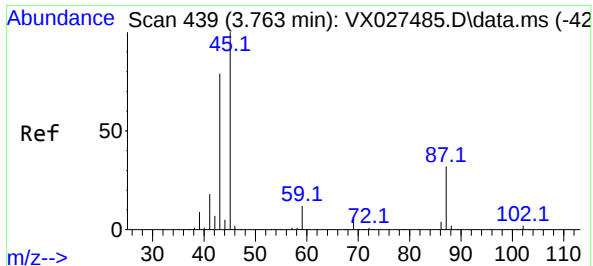
Tgt Ion: 73 Resp:10915642
Ion Ratio Lower Upper
73 100
57 24.0 16.8 25.2



#20
Methylene Chloride
Concen: 0.222 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

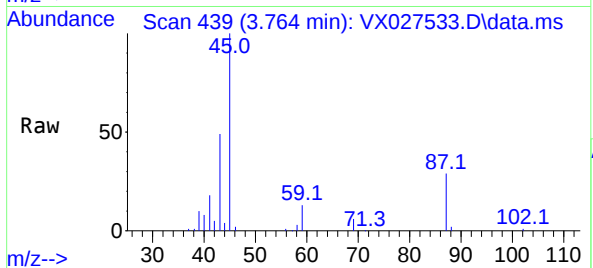
Tgt Ion: 84 Resp: 825
Ion Ratio Lower Upper
84 100
49 114.2 85.5 128.3
51 32.4 26.6 39.8
86 61.0 51.5 77.3



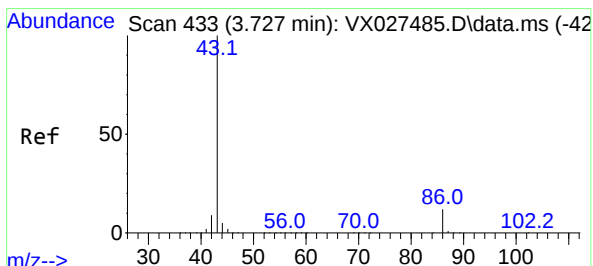
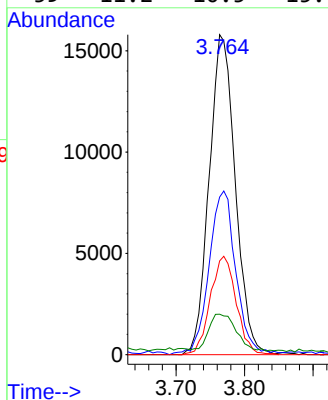
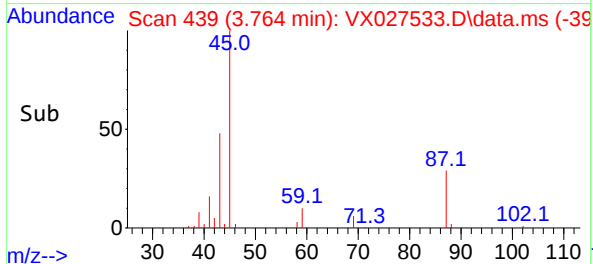


#22
Diisopropyl ether
Concen: 4.289 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

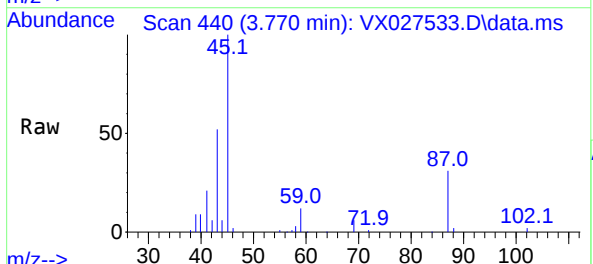
Instrument :
MSVOA_X
ClientSampleId :



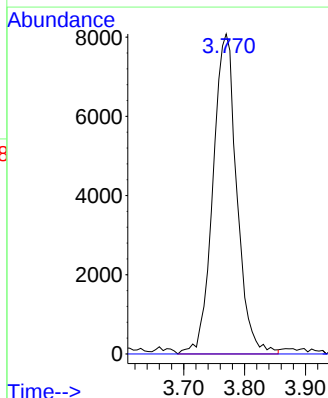
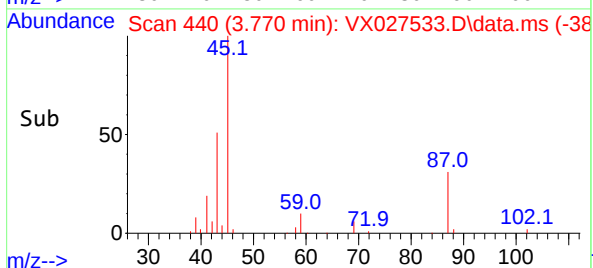
Tgt Ion:	45	Resp:	41873
Ion	Ratio	Lower	Upper
45	100		
43	48.6	50.8	76.2#
87	29.3	26.6	39.8
59	11.2	10.5	15.7

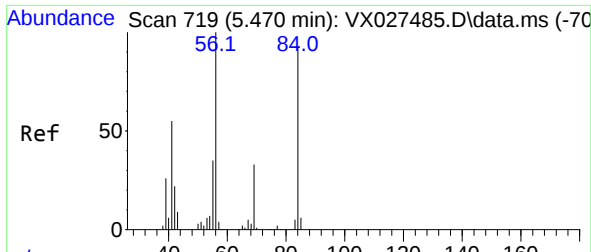


#23
Vinyl Acetate
Concen: 2.595 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.043 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17



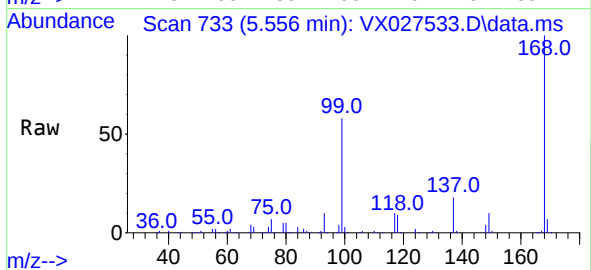
Tgt Ion:	43	Resp:	22027
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#



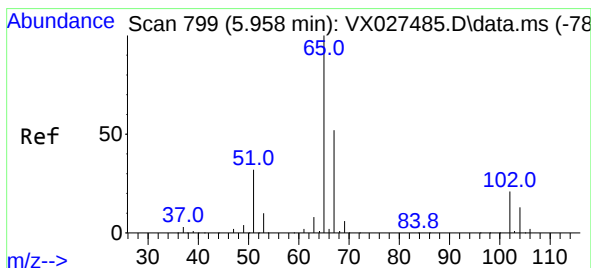
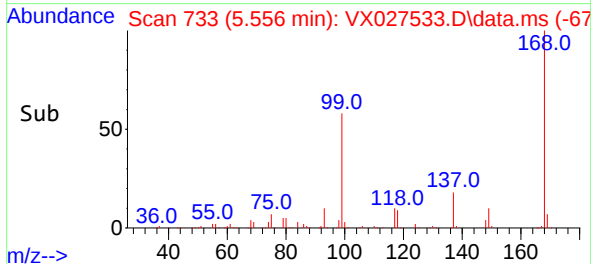
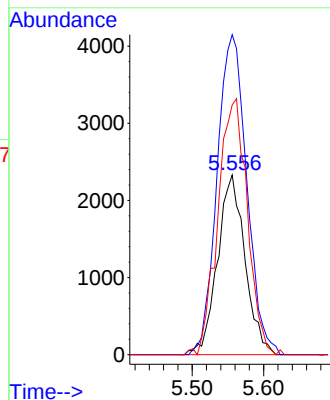


#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :

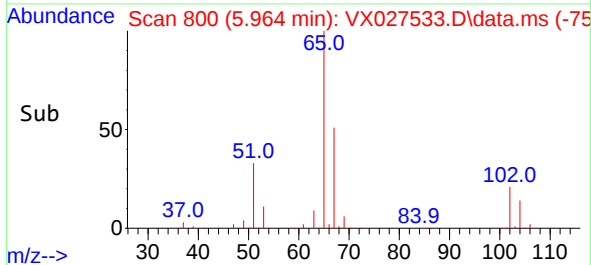
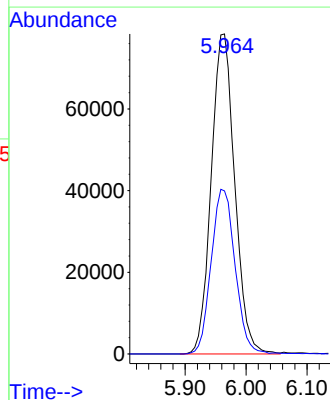
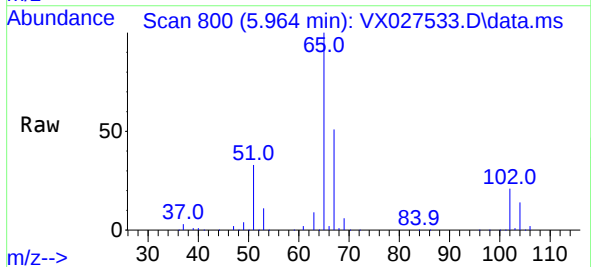


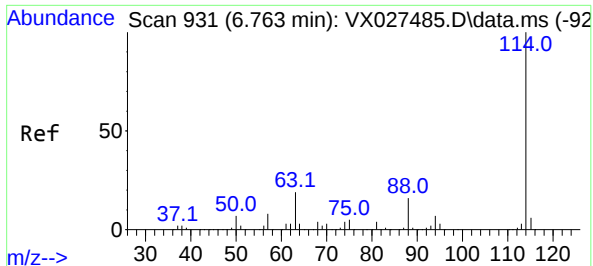
Tgt Ion: 56 Resp: 6234
Ion Ratio Lower Upper
56 100
69 178.1 26.7 40.1#
84 139.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.568 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Tgt Ion: 65 Resp: 210067
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

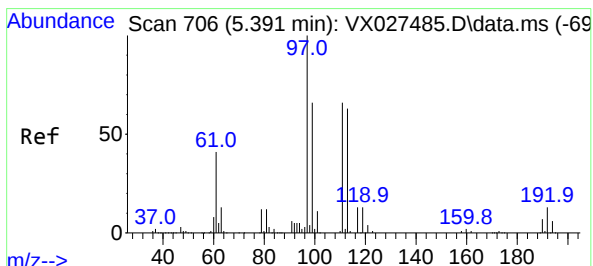
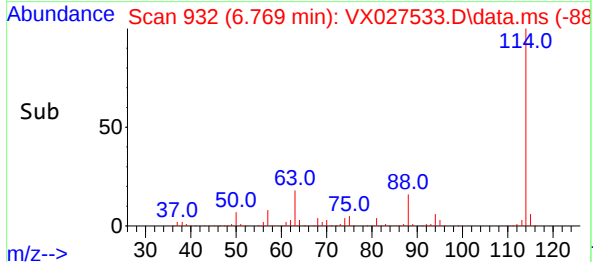
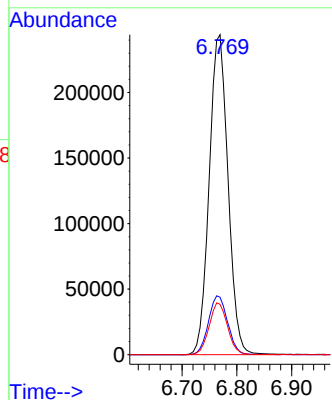
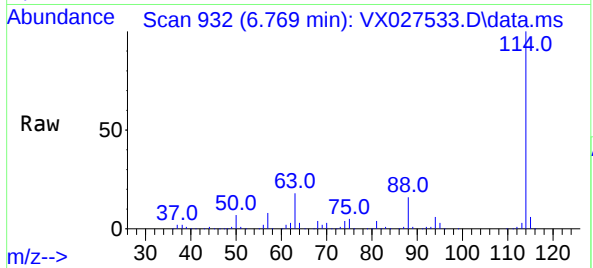




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

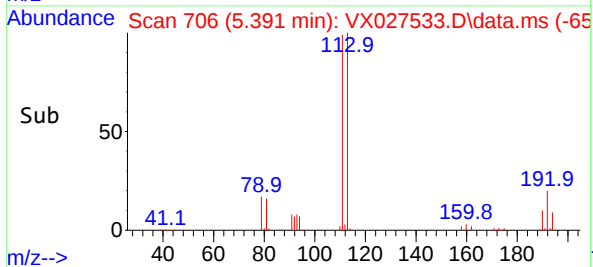
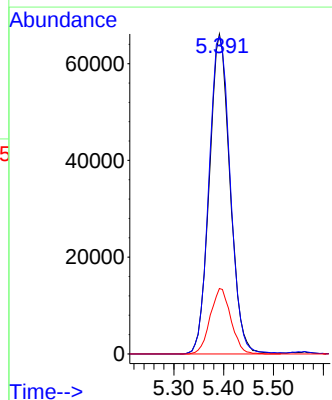
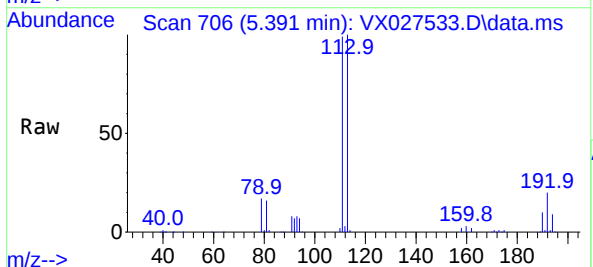
Instrument :
MSVOA_X
ClientSampleId :

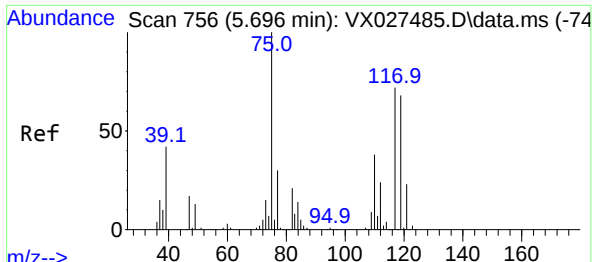
Tgt Ion:114 Resp: 580562
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.966 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Tgt Ion:113 Resp: 190369
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

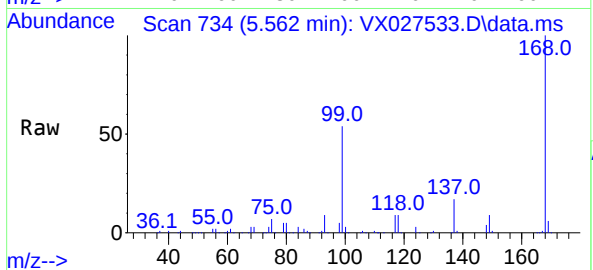
Lab File: VX027533.D

Acq: 18 Mar 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :



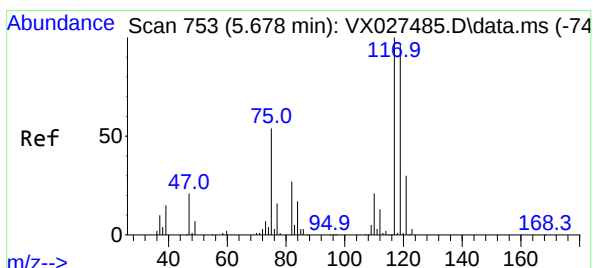
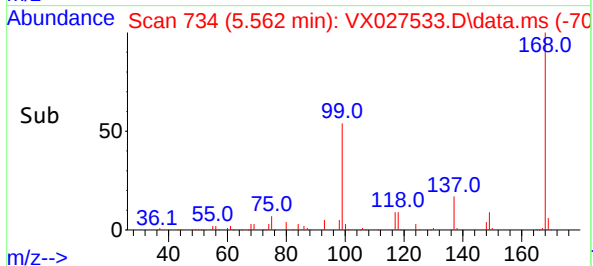
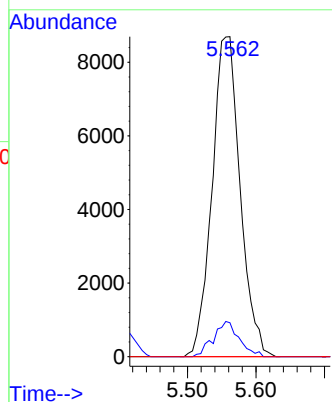
Tgt Ion: 75 Resp: 24749

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.849 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX027533.D

Acq: 18 Mar 2022 17:17

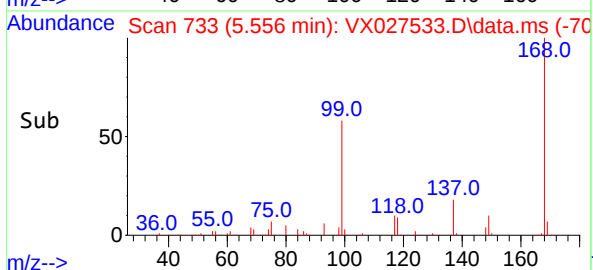
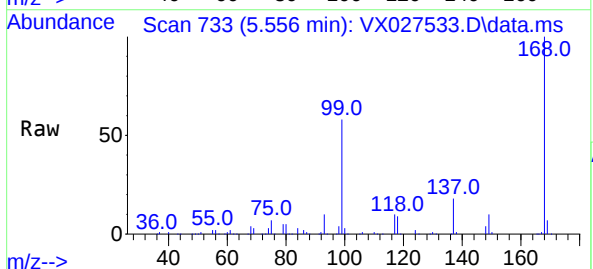
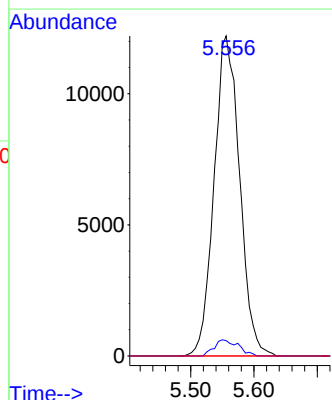
Tgt Ion: 117 Resp: 34158

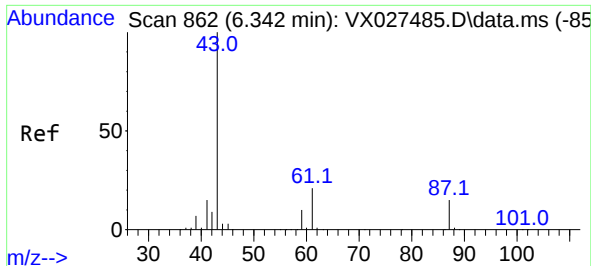
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

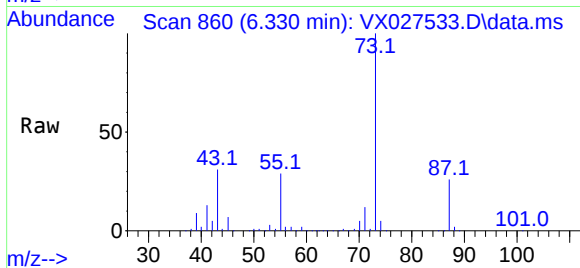
121 0.0 24.2 36.2#



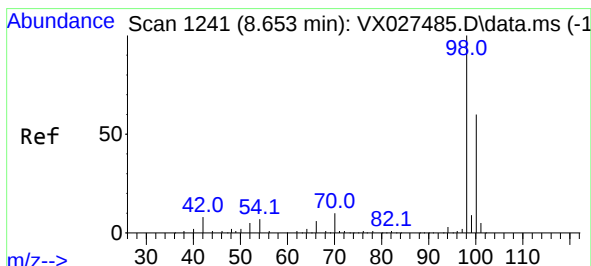
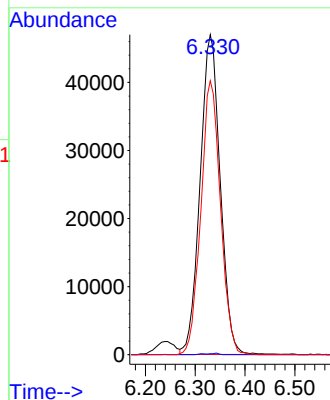
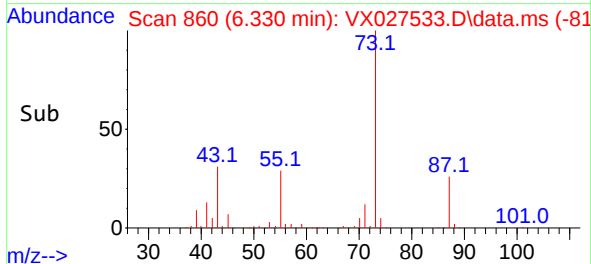


#43
Isopropyl Acetate
Concen: 16.057 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :

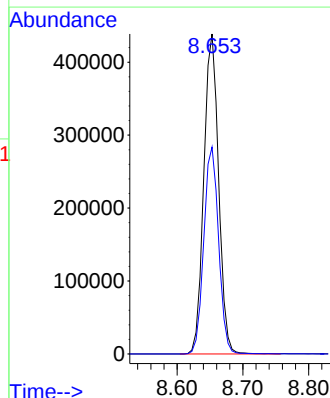
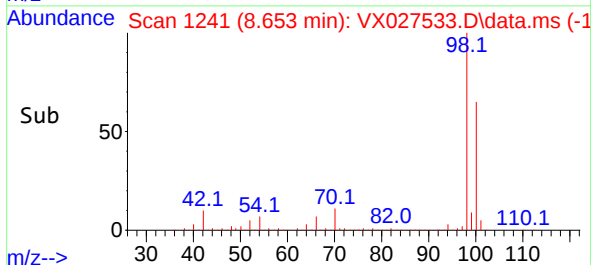
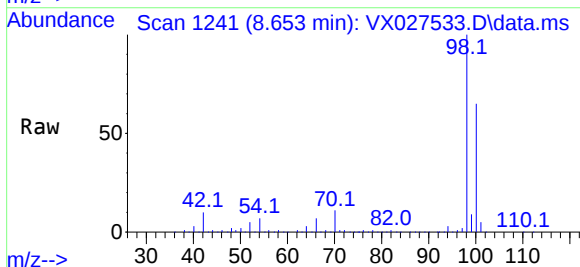


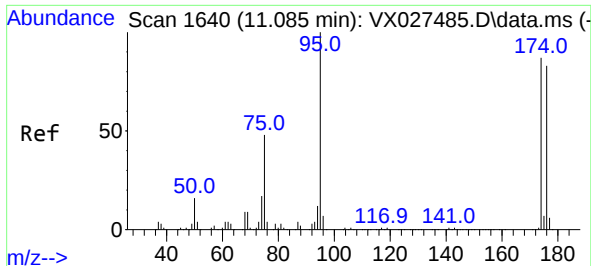
Tgt Ion: 43 Resp: 131445
Ion Ratio Lower Upper
43 100
61 0.3 18.5 27.7#
87 83.6 13.0 19.6#



#50
Toluene-d8
Concen: 48.503 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

Tgt Ion: 98 Resp: 685567
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

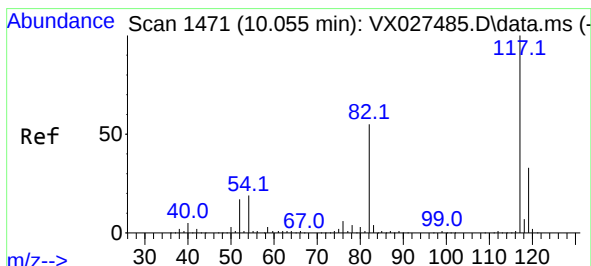
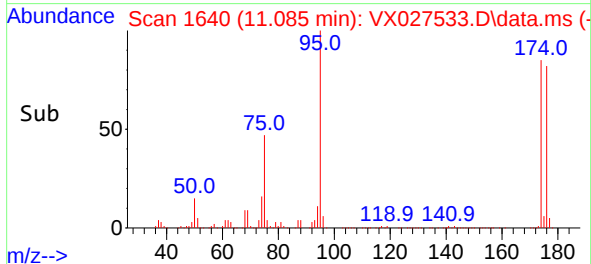
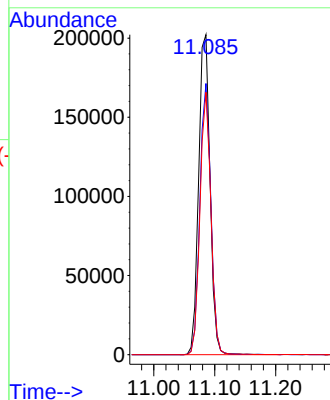
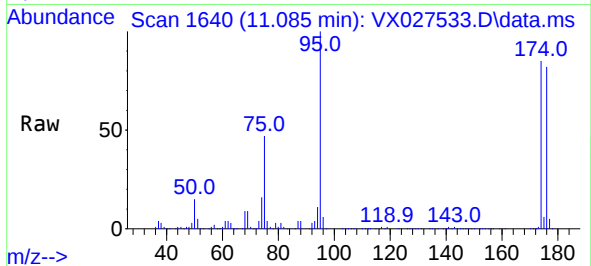




#62
4-Bromofluorobenzene
Concen: 50.473 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

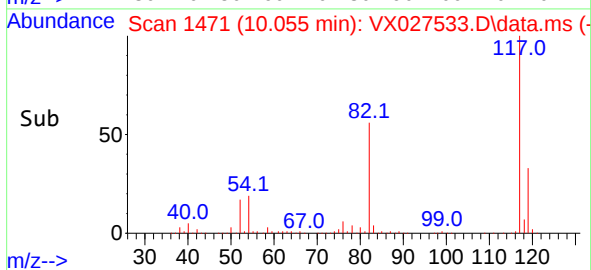
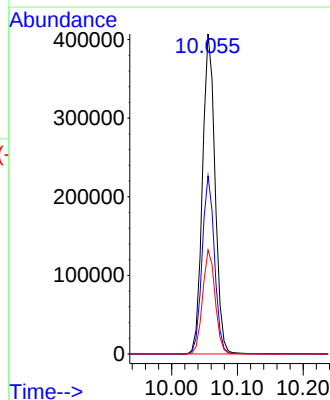
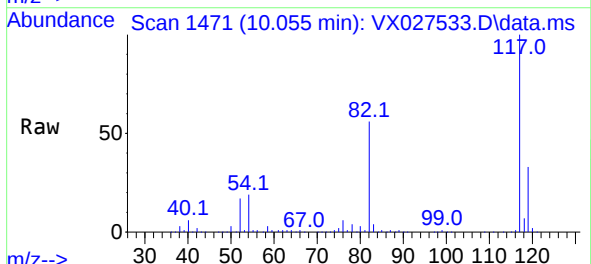
Instrument :
MSVOA_X
ClientSampleId :

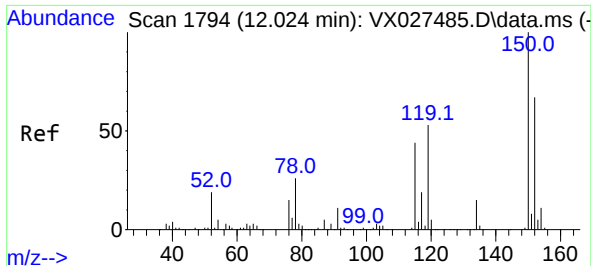
Tgt Ion: 95 Resp: 262220
Ion Ratio Lower Upper
95 100
174 81.8 0.0 163.0
176 78.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027533.D
Acq: 18 Mar 2022 17:17

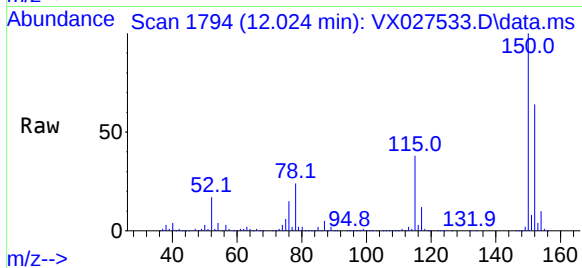
Tgt Ion: 117 Resp: 541518
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.5 24.8 37.2



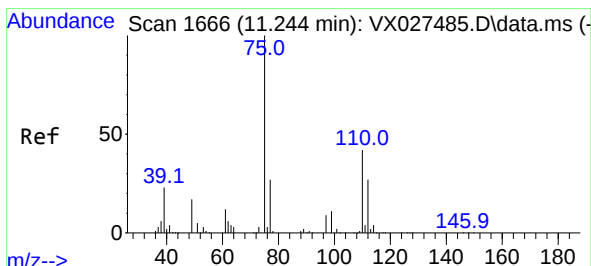
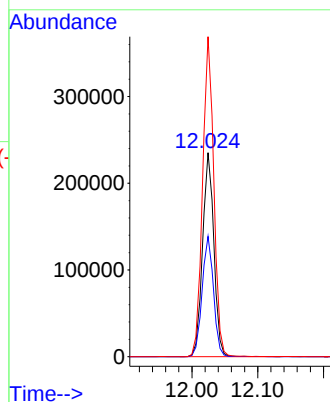
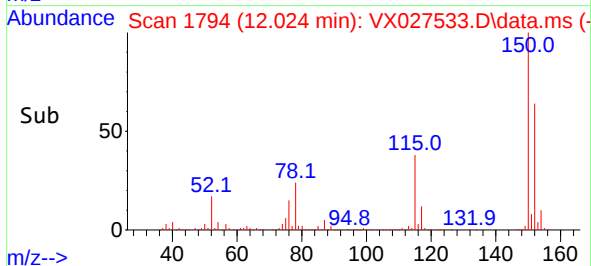


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027533.D
 Acq: 18 Mar 2022 17:17

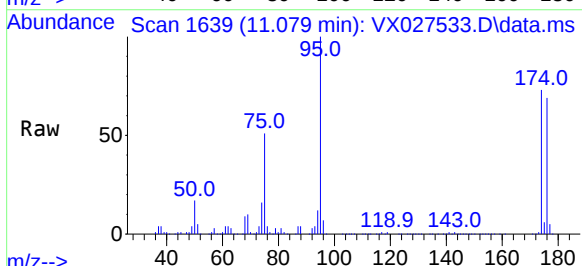
Instrument :
 MSVOA_X
 ClientSampleId :



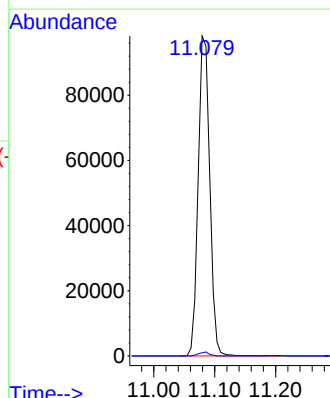
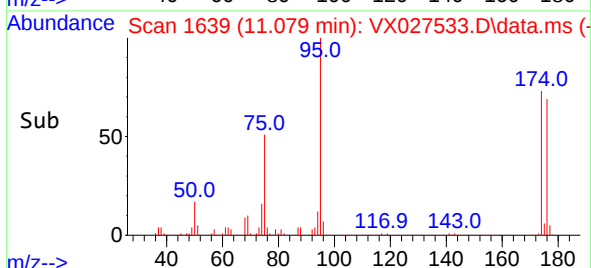
Tgt Ion:152 Resp: 280304
 Ion Ratio Lower Upper
 152 100
 115 59.4 37.5 112.7
 150 155.6 0.0 338.2

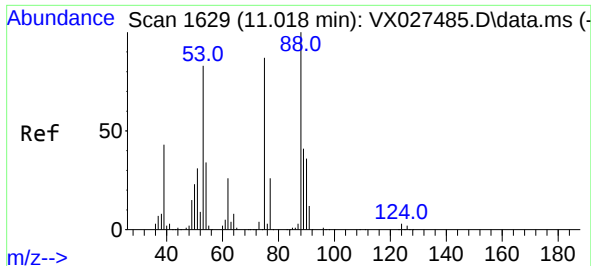


#76
 1,2,3-Trichloropropane
 Concen: 22.063 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX027533.D
 Acq: 18 Mar 2022 17:17



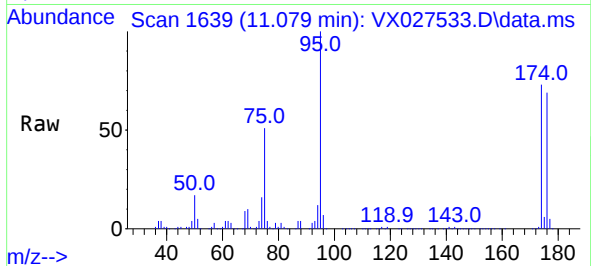
Tgt Ion: 75 Resp: 129353
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.005 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX027533.D
 Acq: 18 Mar 2022 17:17

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 129353
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

