

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027531.D
 Acq On : 18 Mar 2022 16:30
 Operator : JC/MD
 Sample : N1998-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:08:14 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)

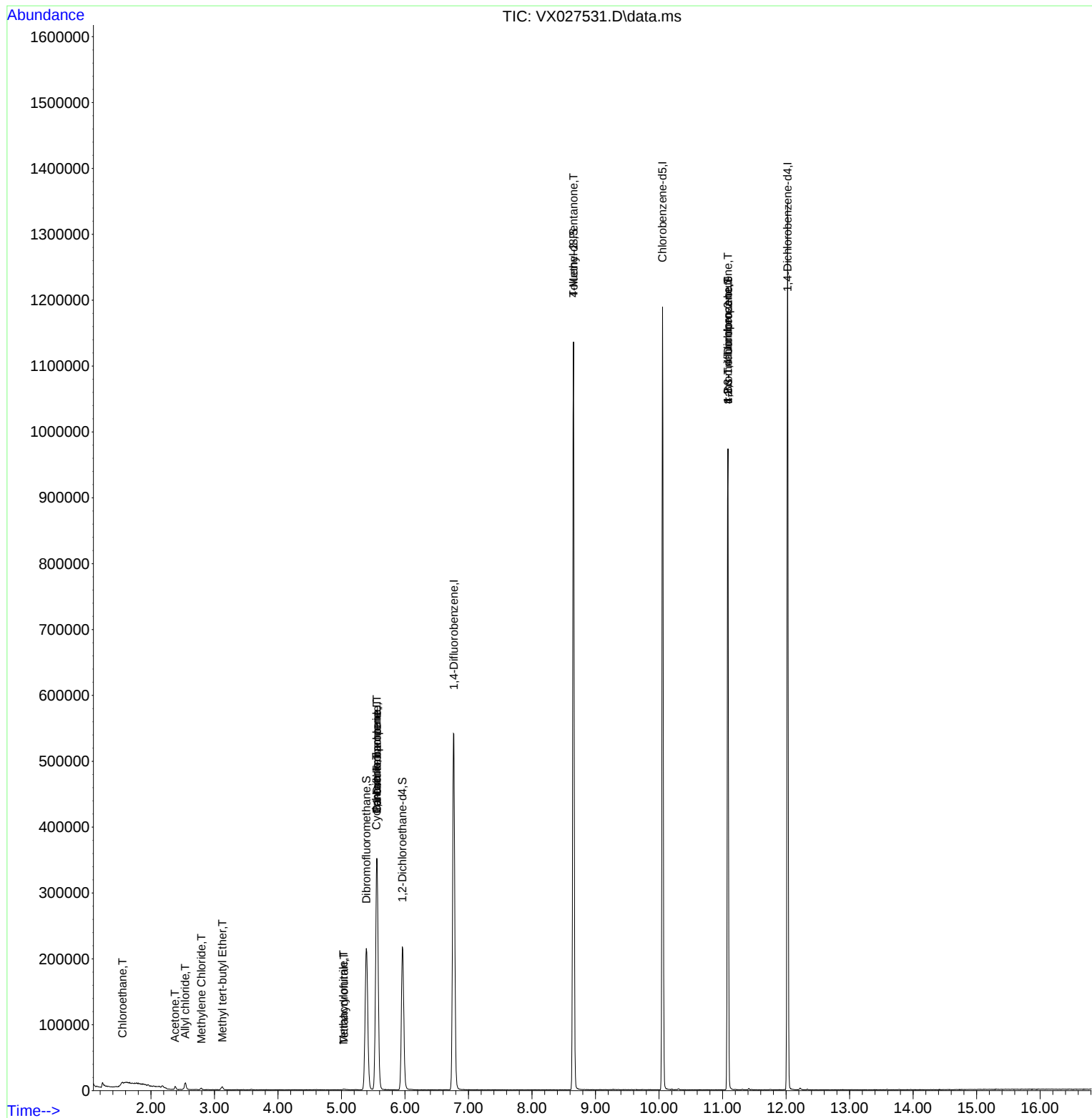
Internal Standards						
1) Pentafluorobenzene	5.556	168	345842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	579986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	541342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	279958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	215410	50.561	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.120%	
35) Dibromofluoromethane	5.391	113	193910	51.965	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.940%	
50) Toluene-d8	8.653	98	688850	48.784	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	11.085	95	263699	50.808	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	76	Below Cal	#	68
6) Chloroethane	1.551	64	8699	4.163	ug/l #	58
14) Allyl chloride	2.538	41	1372	0.273	ug/l #	60
16) Acetone	2.380	43	4601	2.649	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	4781	0.441	ug/l	93
20) Methylene Chloride	2.794	84	1062	0.284	ug/l #	88
29) Tetrahydrofuran	5.038	42	909	0.542	ug/l #	68
31) Cyclohexane	5.550	56	6291	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24227	4.751	ug/l #	50
38) Carbon Tetrachloride	5.556	117	35493	6.084	ug/l #	15
41) Methacrylonitrile	5.032	41	574	0.207	ug/l #	35
51) 4-Methyl-2-Pentanone	8.653	43	2588	0.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	127067	21.699	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	127067	65.902	ug/l #	15

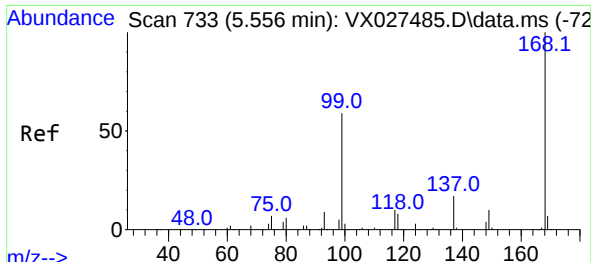
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

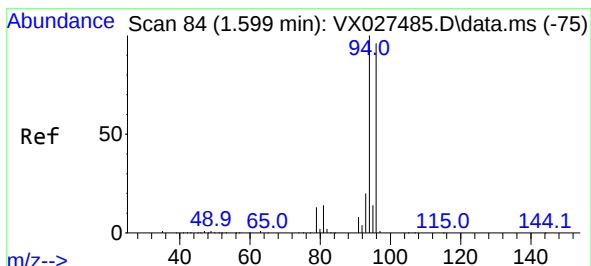
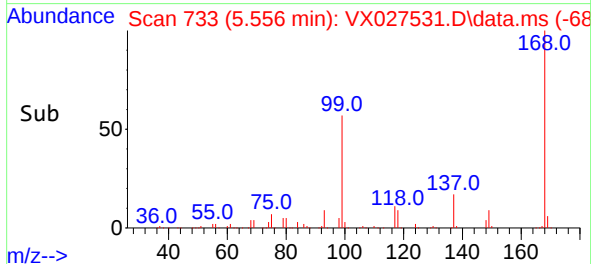
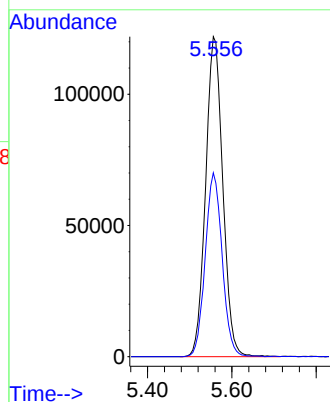
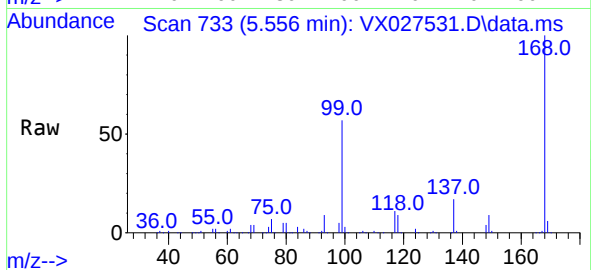




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

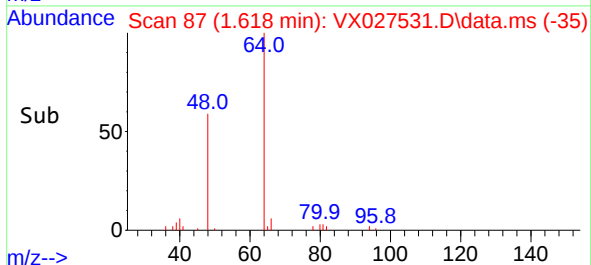
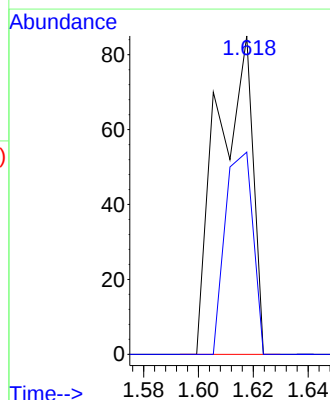
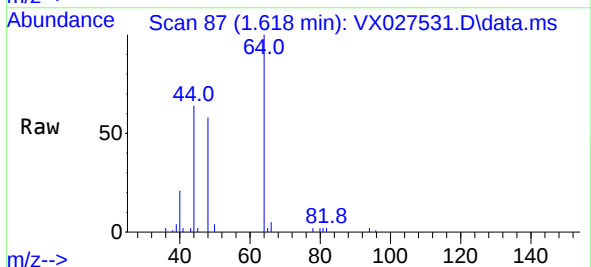
Instrument :
MSVOA_X
ClientSampleId :

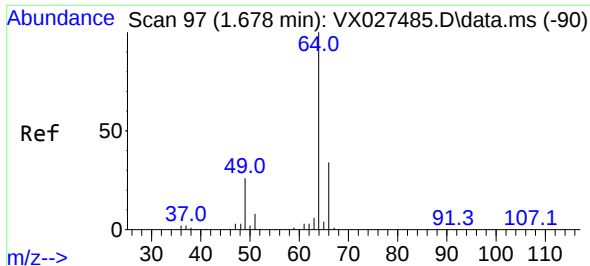
Tgt Ion:168 Resp: 345842
Ion Ratio Lower Upper
168 100
99 57.5 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 63.5 75.3 112.9#

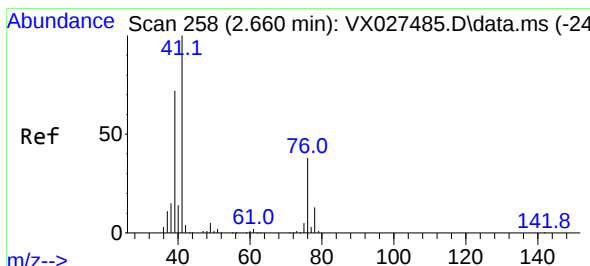
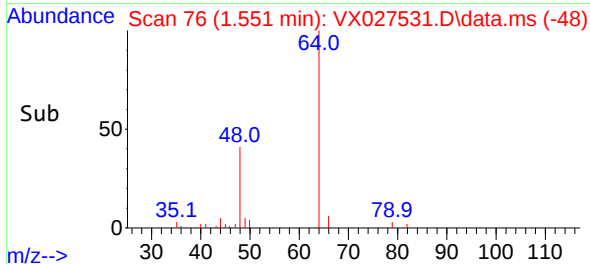
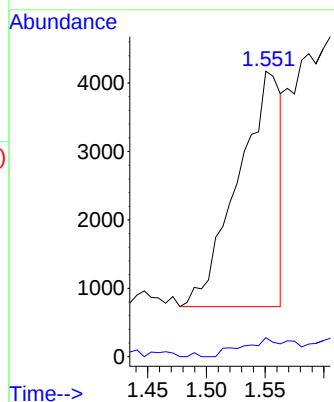
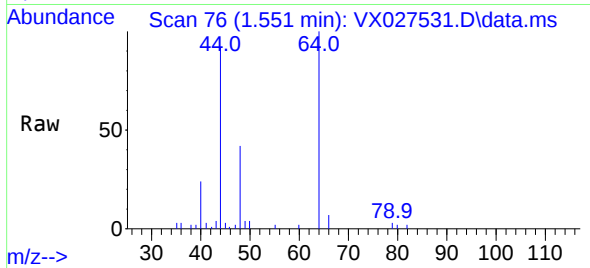




#6
Chloroethane
Concen: 4.163 ug/l
RT: 1.551 min Scan# 70
Delta R.T. -0.128 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

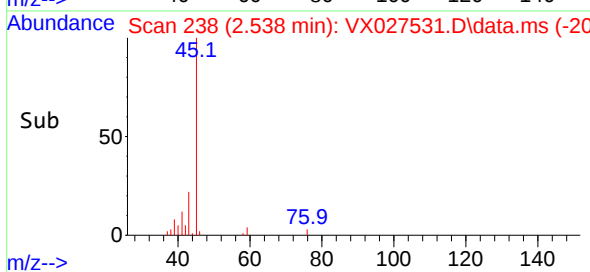
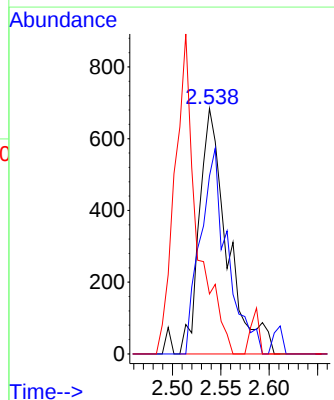
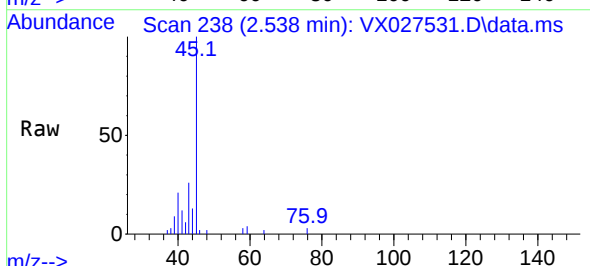
Instrument :
MSVOA_X
ClientSampleId :

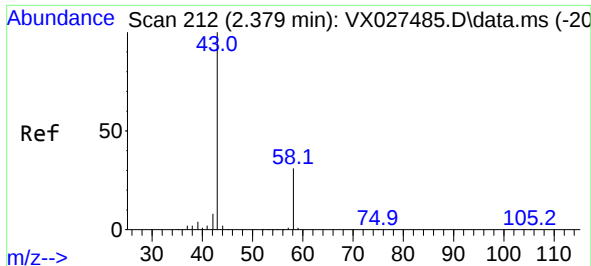
Tgt Ion: 64 Resp: 8699
Ion Ratio Lower Upper
64 100
66 8.1 25.3 37.9#



#14
Allyl chloride
Concen: 0.273 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.122 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 41 Resp: 1372
Ion Ratio Lower Upper
41 100
39 81.3 50.4 75.6#
76 0.0 32.7 49.1#

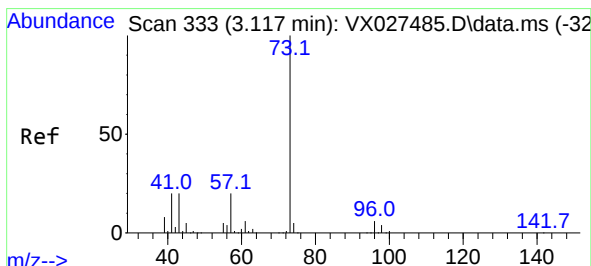
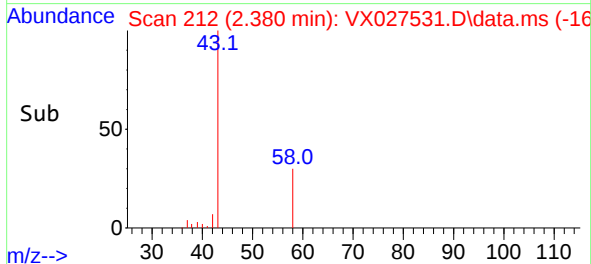
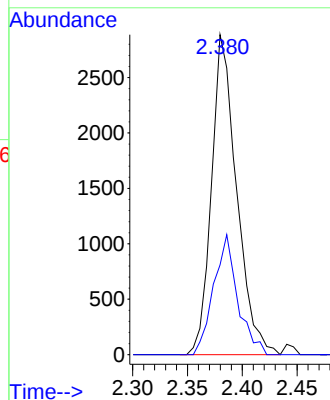
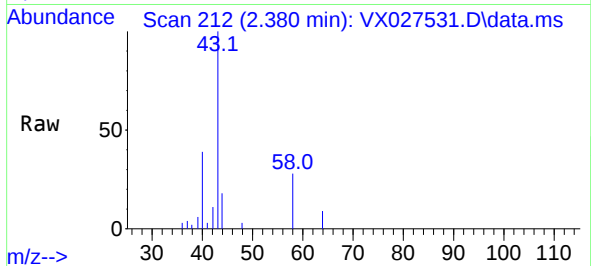




#16
Acetone
Concen: 2.649 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

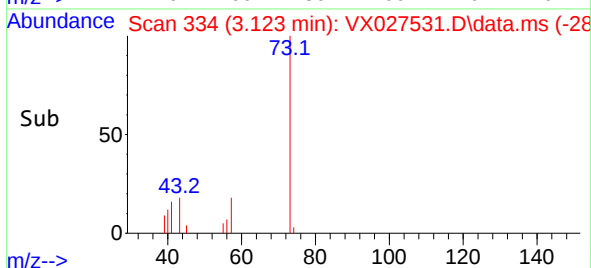
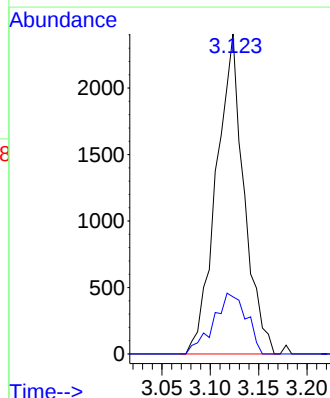
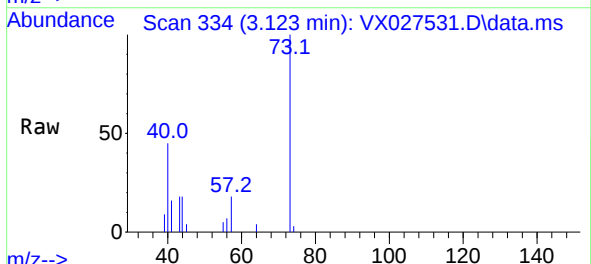
Instrument :
MSVOA_X
ClientSampleId :

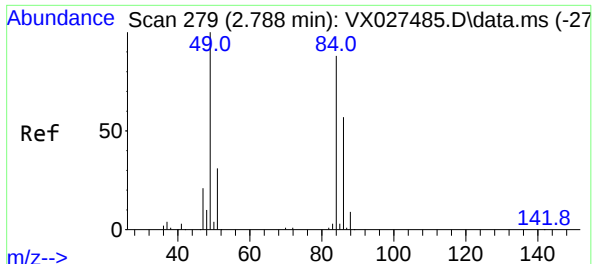
Tgt Ion: 43 Resp: 4601
Ion Ratio Lower Upper
43 100
58 28.1 28.8 43.2#



#19
Methyl tert-butyl Ether
Concen: 0.441 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

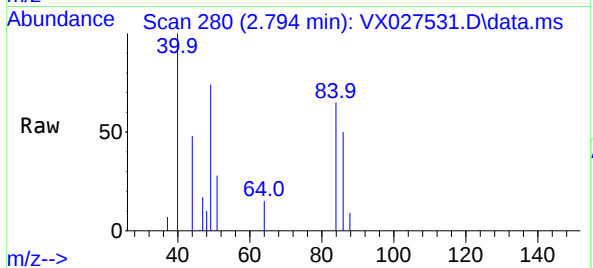
Tgt Ion: 73 Resp: 4781
Ion Ratio Lower Upper
73 100
57 17.9 16.8 25.2





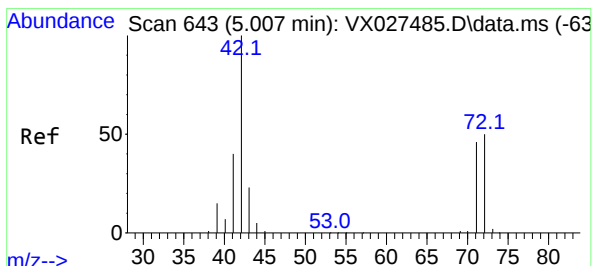
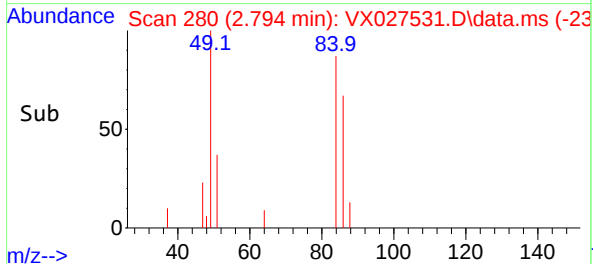
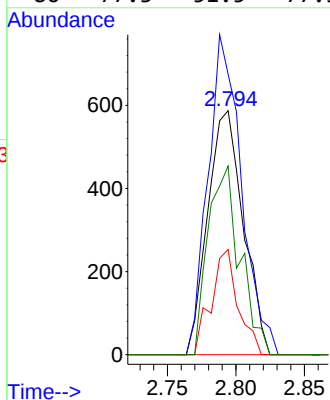
#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1062

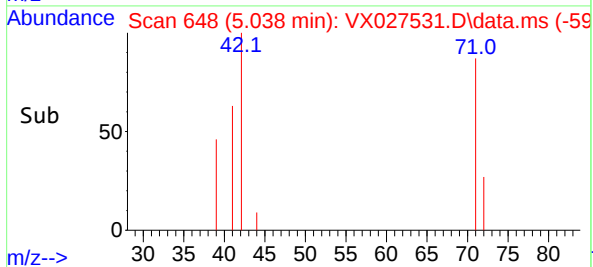
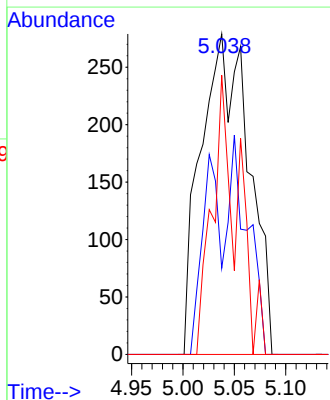
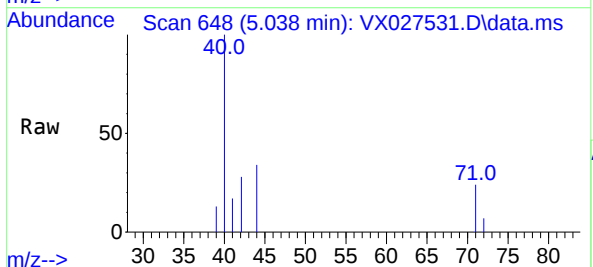
Ion	Ratio	Lower	Upper
84	100		
49	115.0	85.5	128.3
51	43.1	26.6	39.8#
86	77.3	51.5	77.3#

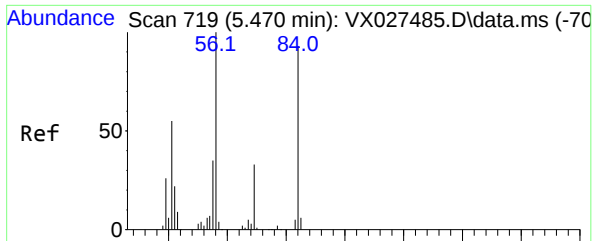


#29
Tetrahydrofuran
Concen: 0.542 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 42 Resp: 909

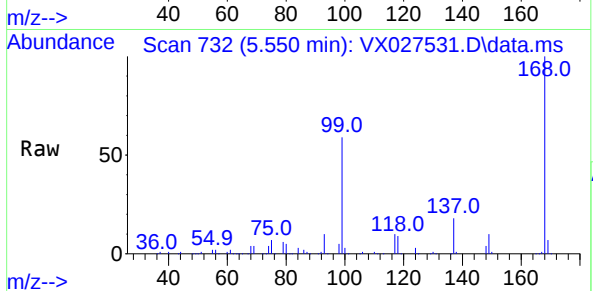
Ion	Ratio	Lower	Upper
42	100		
72	28.2	44.1	66.1#
71	31.8	40.5	60.7#



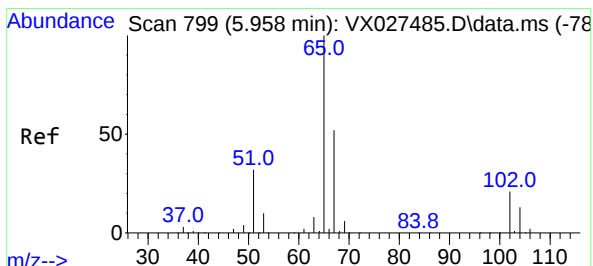
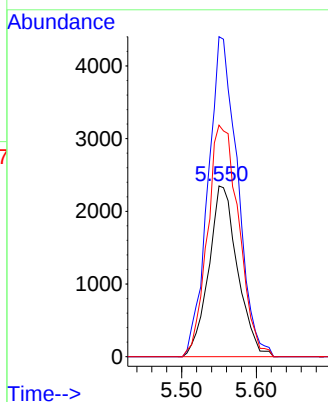
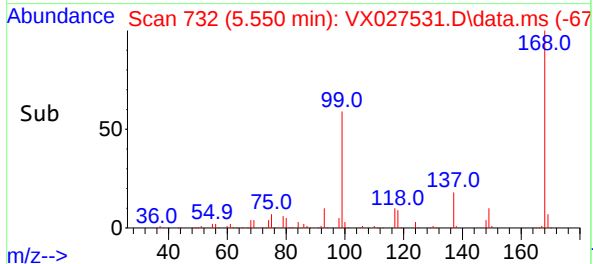


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Instrument :
MSVOA_X
ClientSampleId :

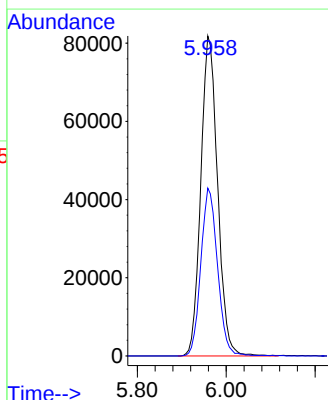
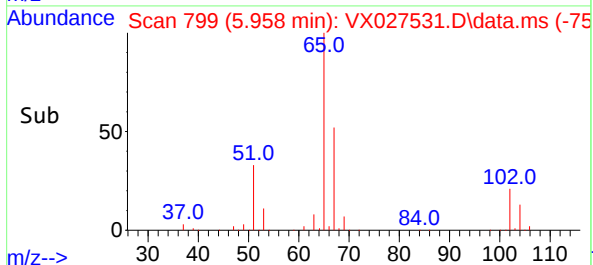
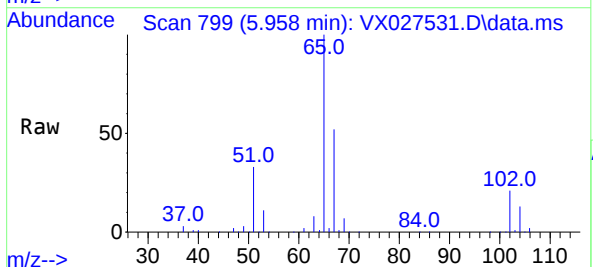


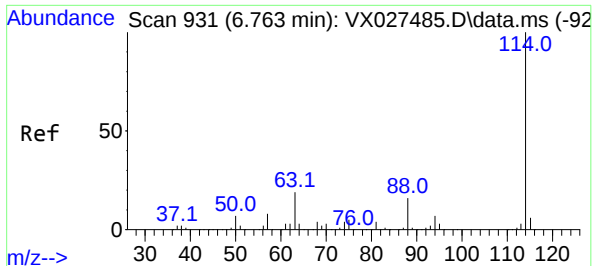
Tgt Ion: 56 Resp: 6291
Ion Ratio Lower Upper
56 100
69 187.4 26.7 40.1#
84 135.6 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 50.561 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 65 Resp: 215410
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# 91

Delta R.T. 0.006 min

Lab File: VX027531.D

Acq: 18 Mar 2022 16:30

Instrument :

MSVOA_X

ClientSampleId :

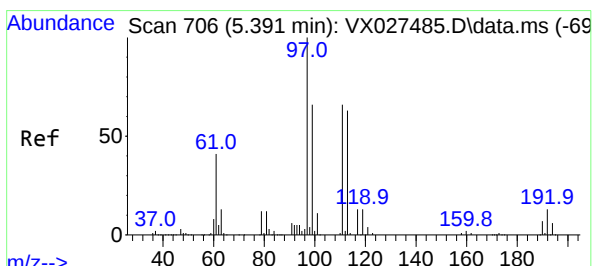
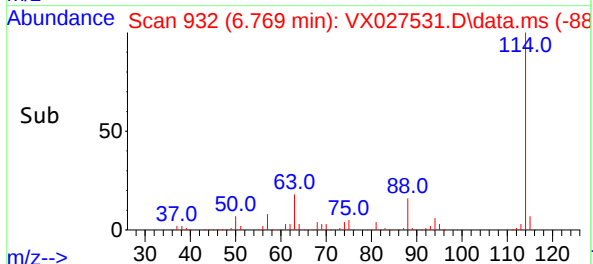
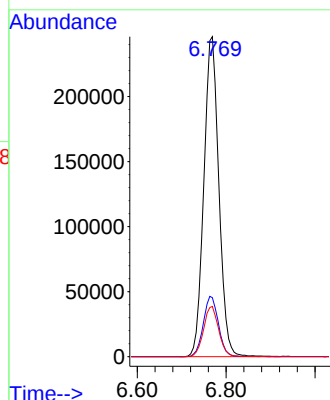
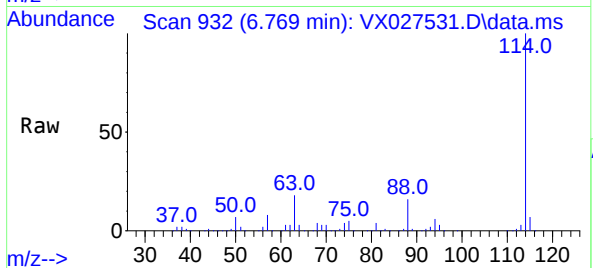
Tgt Ion:114 Resp: 579986

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.7 0.0 32.4



#35

Dibromofluoromethane

Concen: 51.965 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027531.D

Acq: 18 Mar 2022 16:30

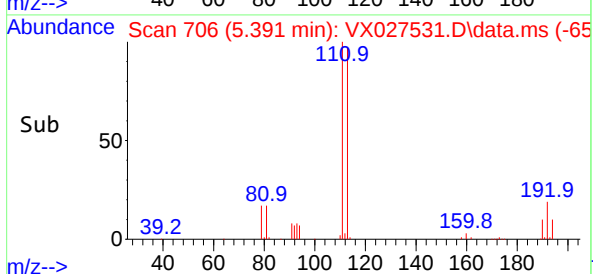
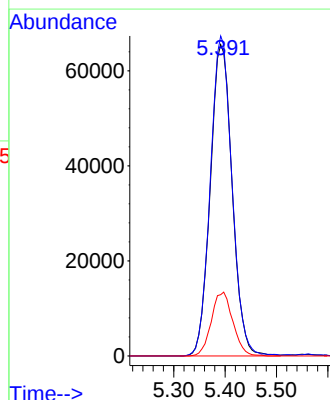
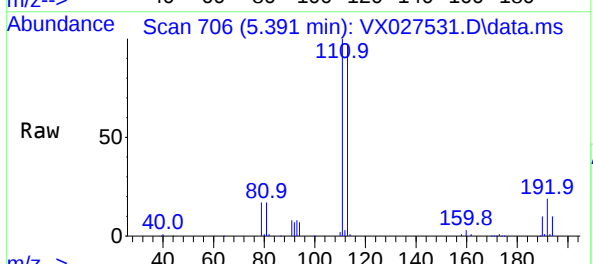
Tgt Ion:113 Resp: 193910

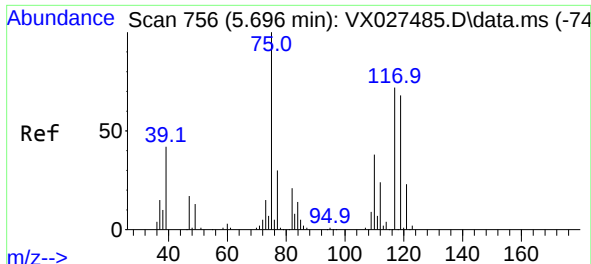
Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 20.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.751 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

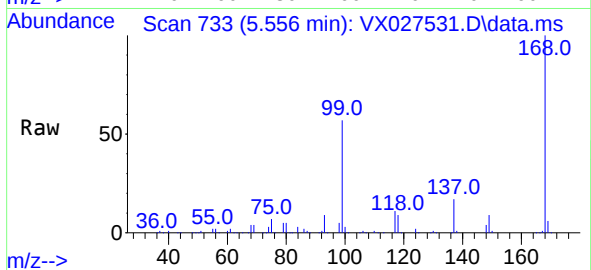
Lab File: VX027531.D

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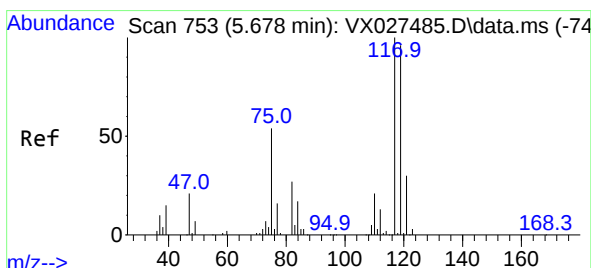
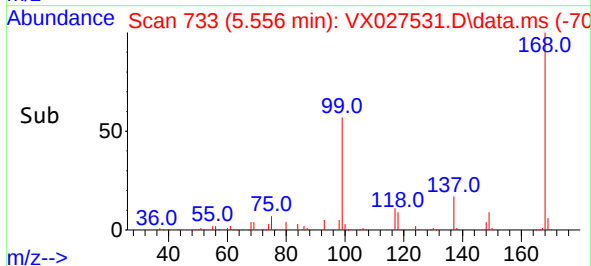
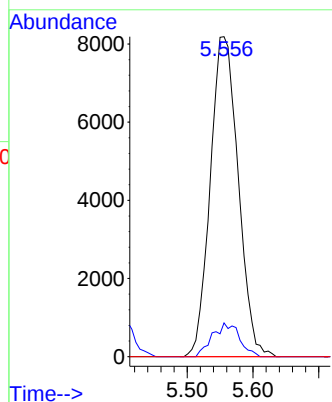
Tgt Ion: 75 Resp: 24227

Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX027531.D

Acq: 18 Mar 2022 16:30

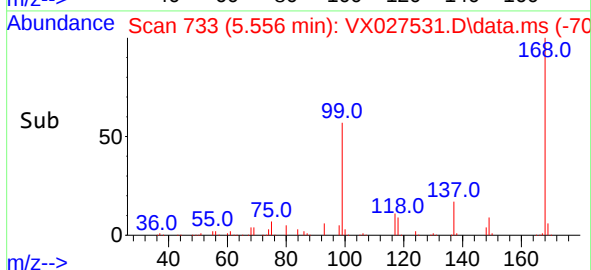
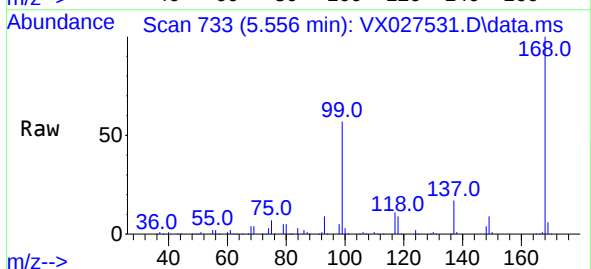
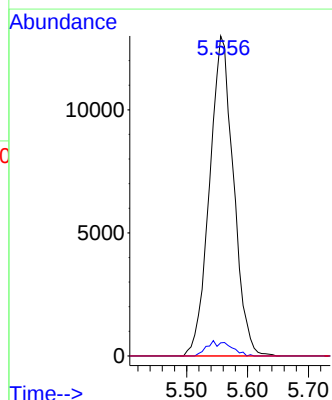
Tgt Ion: 117 Resp: 35493

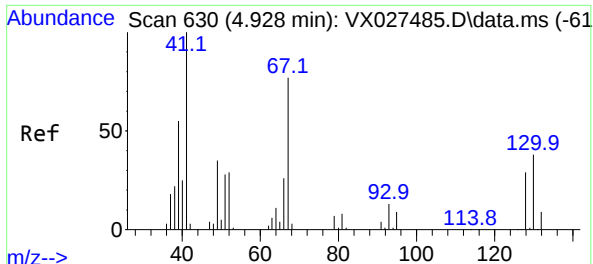
Ion Ratio Lower Upper

117 100

119 4.1 77.3 115.9#

121 0.0 24.2 36.2#

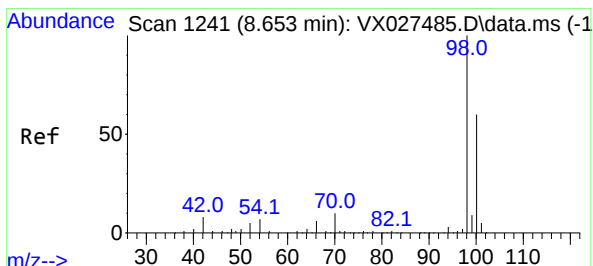
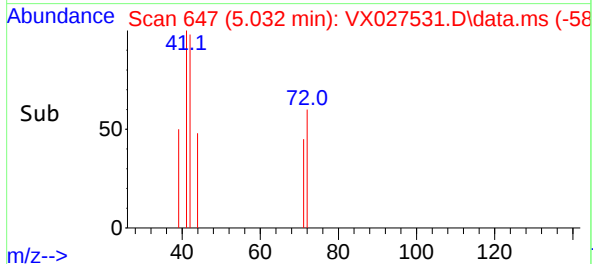
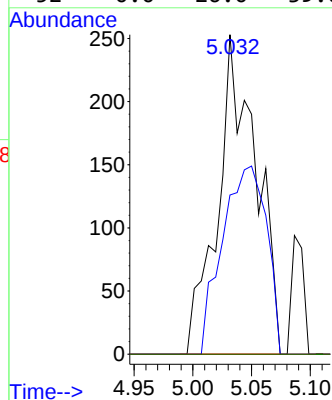
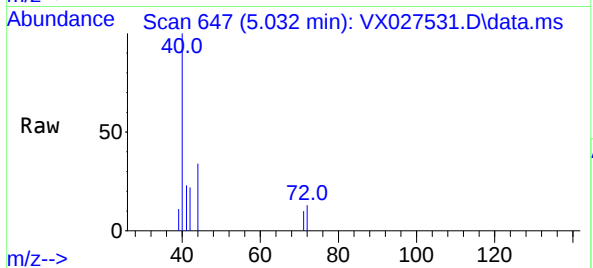




#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

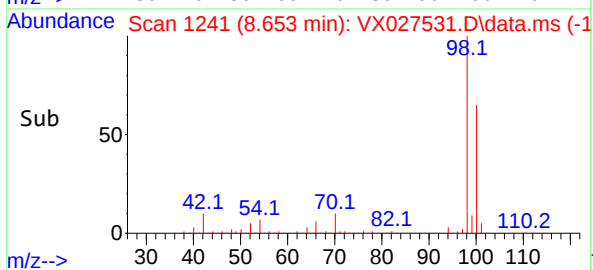
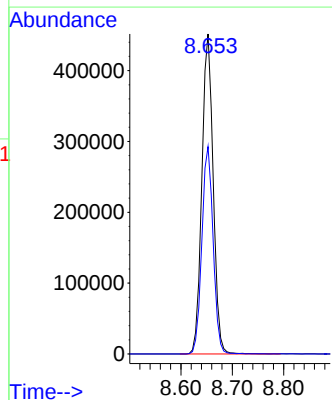
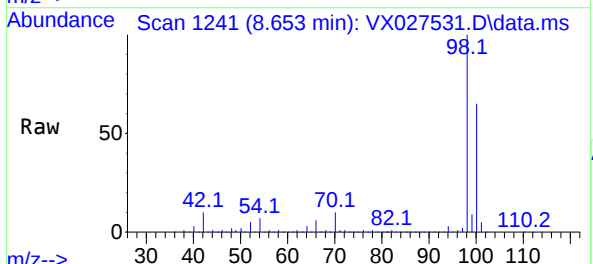
Instrument :
MSVOA_X
ClientSampleId :

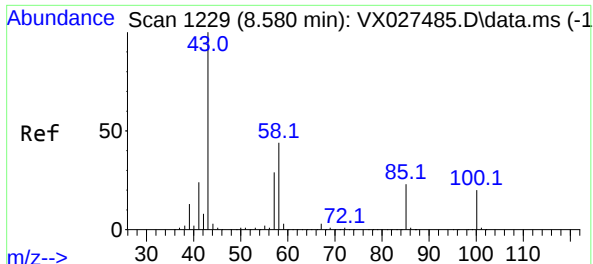
Tgt Ion: 41 Resp: 574
Ion Ratio Lower Upper
41 100
39 67.9 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#50
Toluene-d8
Concen: 48.784 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 98 Resp: 688850
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

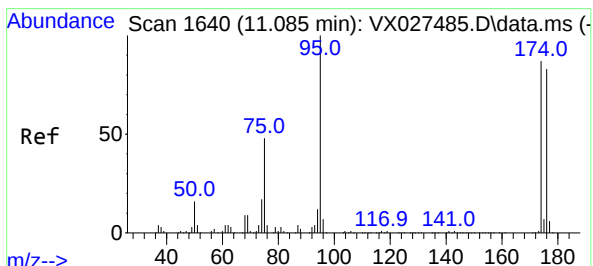
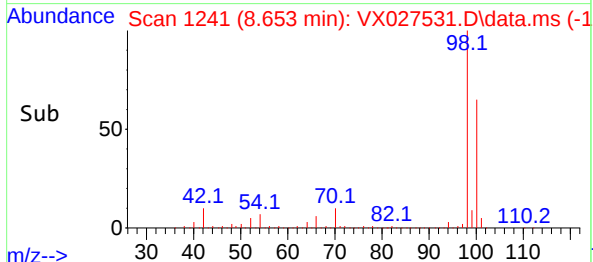
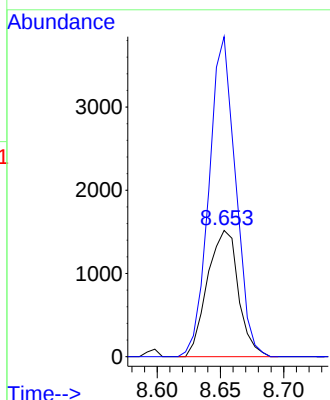
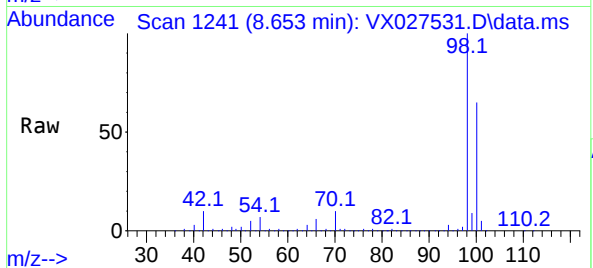




#51
4-Methyl-2-Pentanone
Concen: 0.496 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

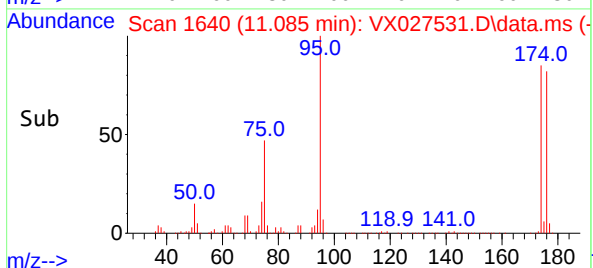
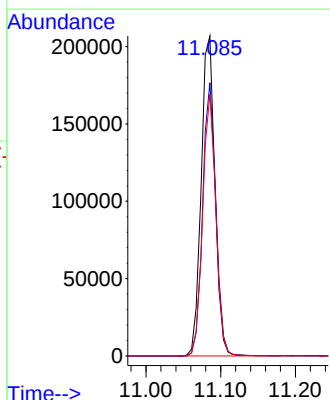
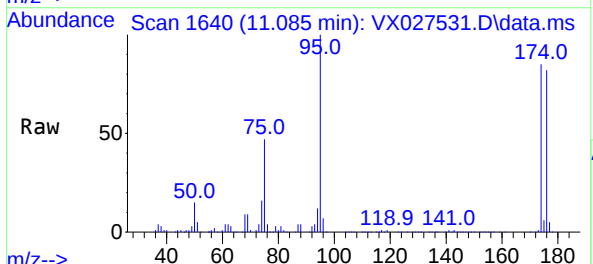
Instrument :
MSVOA_X
ClientSampleId :

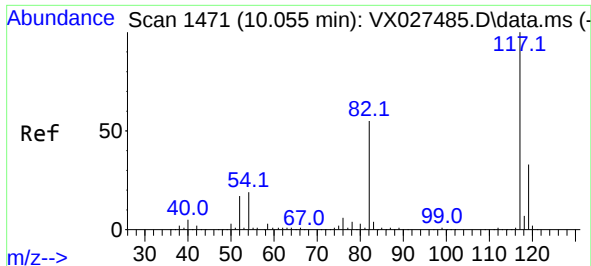
Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
58 217.3 36.1 54.1#



#62
4-Bromofluorobenzene
Concen: 50.808 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 95 Resp: 263699
Ion Ratio Lower Upper
95 100
174 82.4 0.0 163.0
176 78.6 0.0 155.0

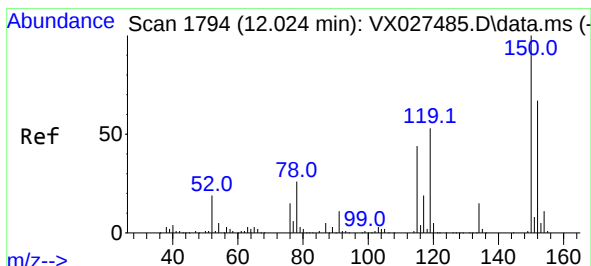
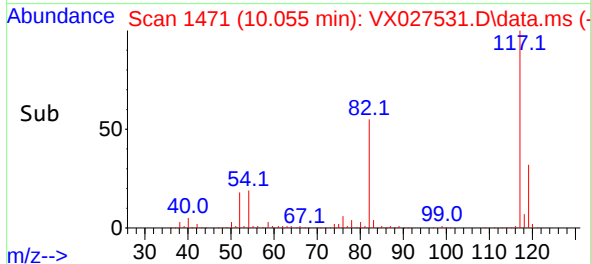
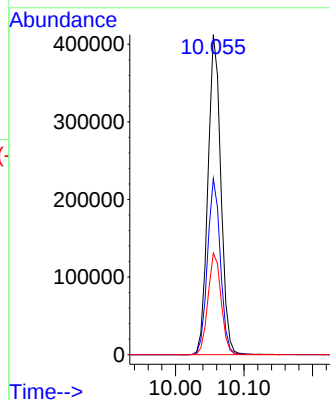
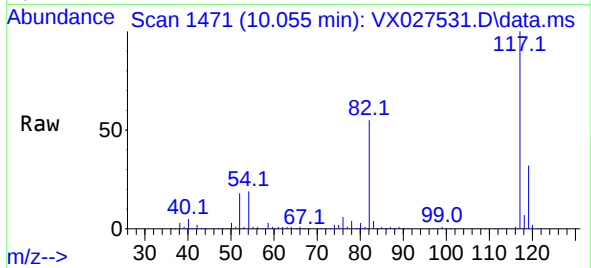




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

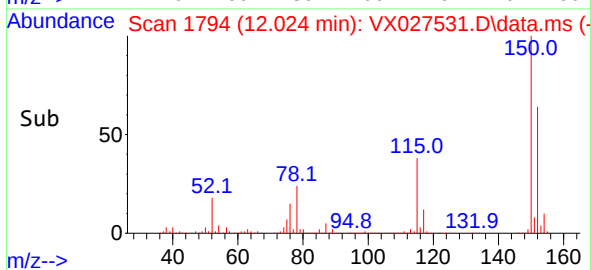
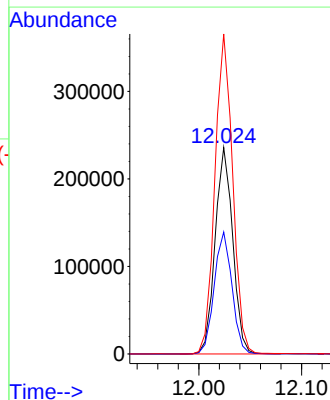
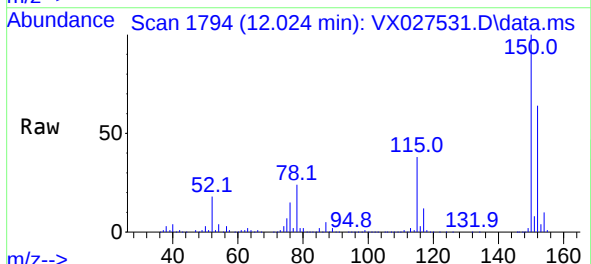
Instrument :
MSVOA_X
ClientSampleId :

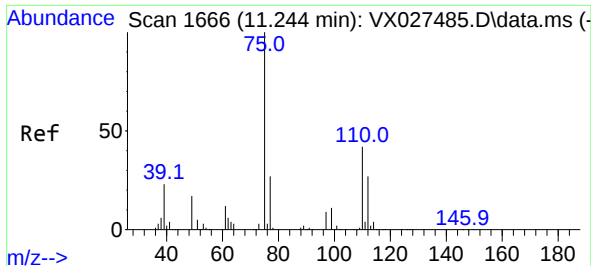
Tgt Ion:117 Resp: 541342
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion:152 Resp: 279958
Ion Ratio Lower Upper
152 100
115 59.7 37.5 112.7
150 156.4 0.0 338.2

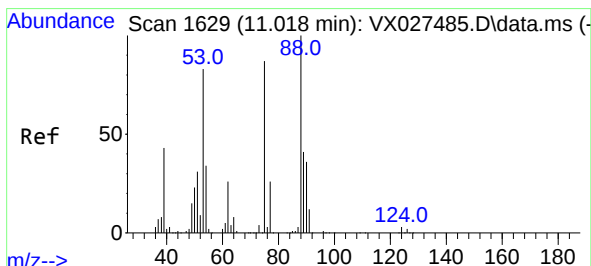
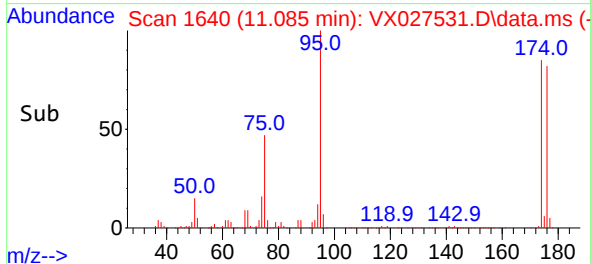
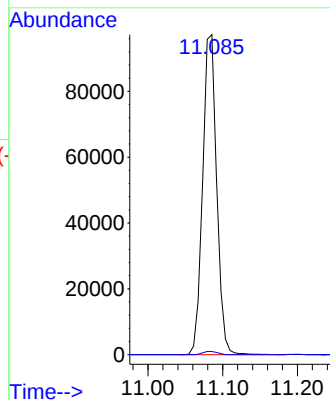
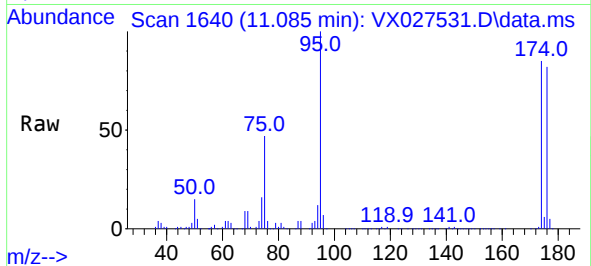




#76
1,2,3-Trichloropropane
Concen: 21.699 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 127067
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.902 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027531.D
Acq: 18 Mar 2022 16:30

Tgt Ion: 75 Resp: 127067
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

