

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031527.D
 Acq On : 21 Sep 2022 16:16
 Operator : JC/MD
 Sample : N4509-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 22 01:14:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

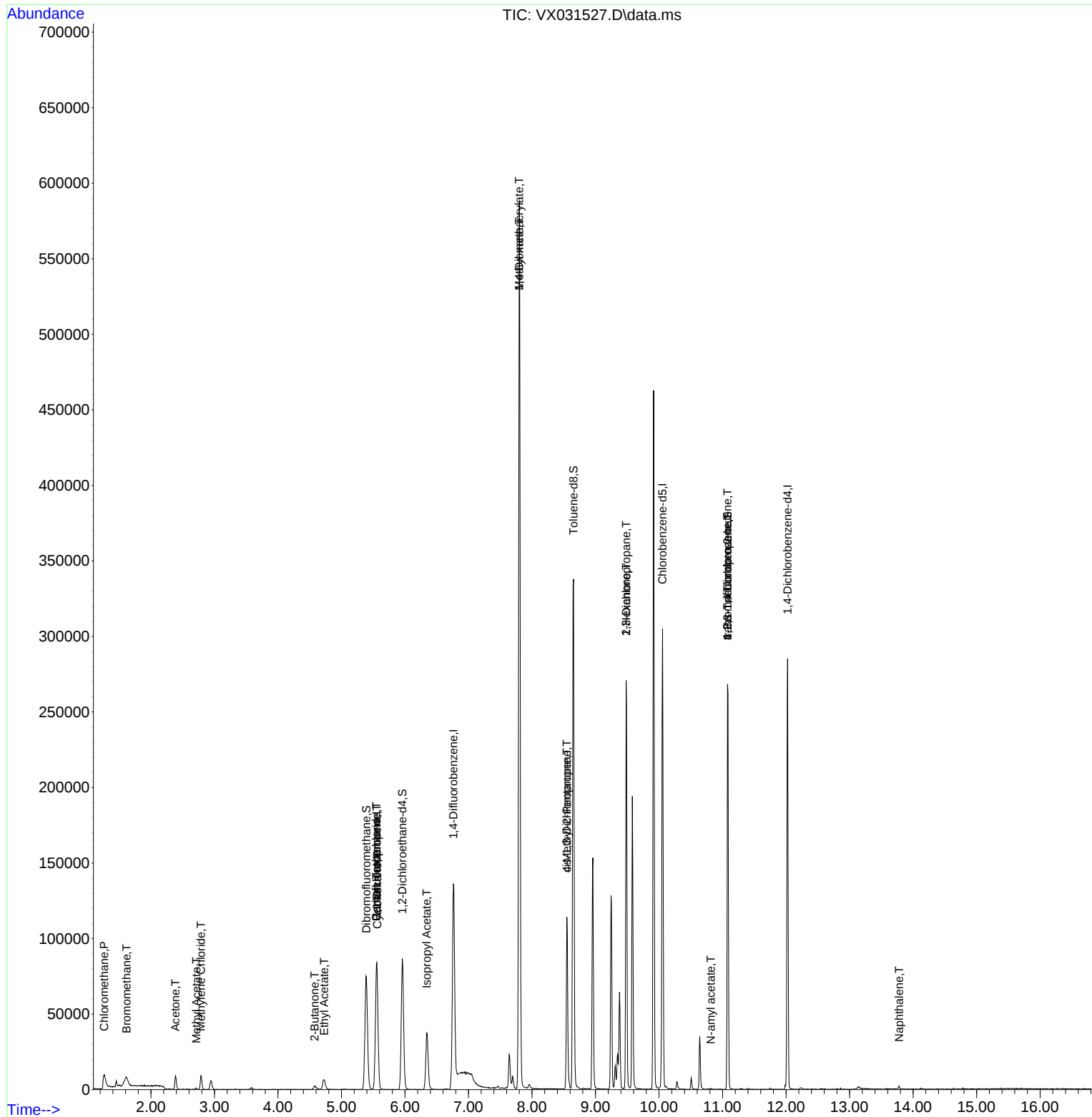
Internal Standards						
1) Pentafluorobenzene	5.550	168	81051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	133829	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76255	51.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.460%	
35) Dibromofluoromethane	5.391	113	61445	44.338	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.680%	
50) Toluene-d8	8.653	98	199564	37.428	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 74.860%#	
62) 4-Bromofluorobenzene	11.079	95	61034	33.794	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 67.580%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	356	0.230	ug/l #	41
5) Bromomethane	1.618	94	526	0.210	ug/l #	75
6) Chloroethane	1.727	64	409	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	3462	Below Cal	#	73
13) Acrolein	2.154	56	56	Below Cal	#	53
16) Acetone	2.386	43	9598	2.823	ug/l	95
18) Methyl Acetate	2.715	43	1065	0.479	ug/l #	83
20) Methylene Chloride	2.788	84	4053	0.749	ug/l #	89
25) 2-Butanone	4.574	43	1987	1.731	ug/l #	82
31) Cyclohexane	5.562	56	2017	0.915	ug/l #	42
36) 1,1-Dichloropropene	5.556	75	6427	3.021	ug/l #	50
37) Ethyl Acetate	4.727	43	12634	4.978	ug/l	98
38) Carbon Tetrachloride	5.550	117	7993	3.390	ug/l #	18
43) Isopropyl Acetate	6.342	43	52167	13.375	ug/l	99
48) Methyl methacrylate	7.799	41	50047	28.086	ug/l #	47
49) 1,4-Dioxane	7.799	88	81	1.990	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39857	15.887	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	17730	6.786	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	2389	0.854	ug/l #	43
59) 2-Hexanone	9.482	43	30494	16.185	ug/l #	51
74) N-amyl acetate	10.817	43	356	0.211	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.085	83	130	Below Cal	#	20
76) 1,2,3-Trichloropropane	11.079	75	35043	28.206	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35043	90.818	ug/l #	11
95) Naphthalene	13.780	128	1791	0.449	ug/l #	97

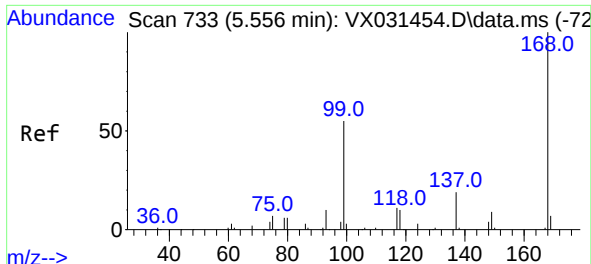
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
Data File : VX031527.D
Acq On : 21 Sep 2022 16:16
Operator : JC/MD
Sample : N4509-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

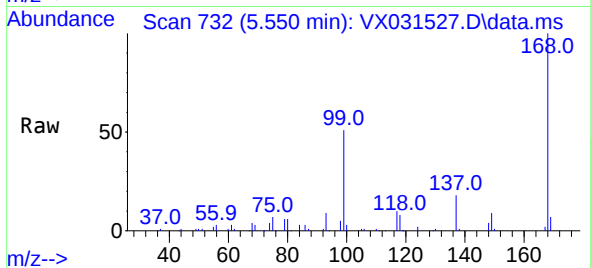
Quant Time: Sep 22 01:14:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



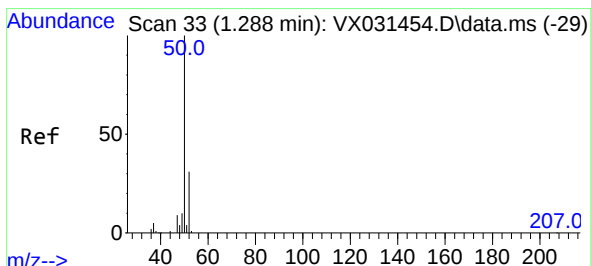
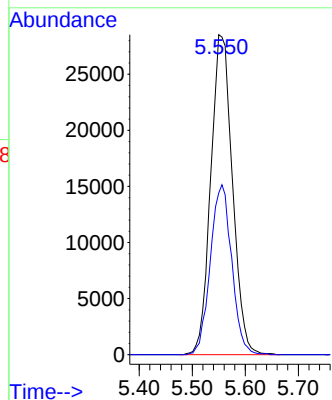
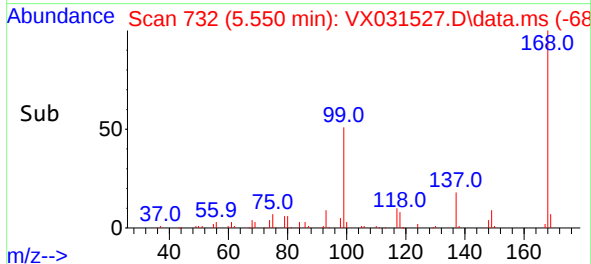


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

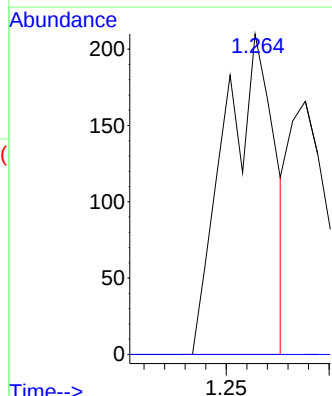
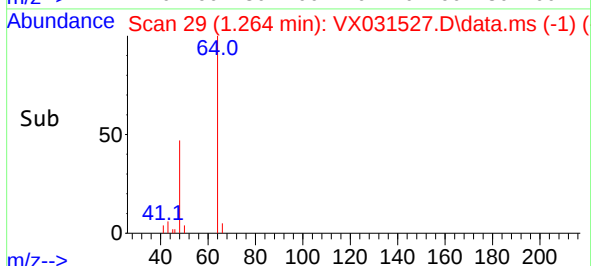
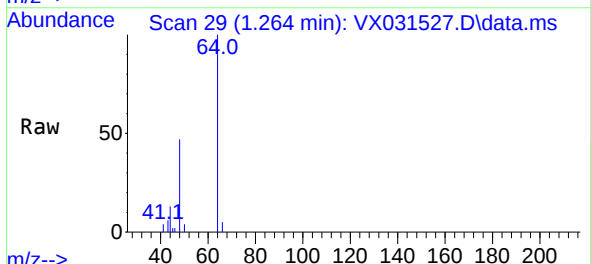


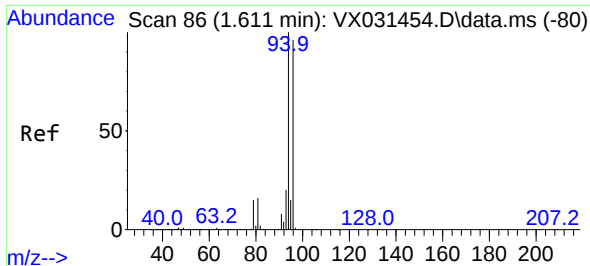
Tgt Ion:168 Resp: 81051
Ion Ratio Lower Upper
168 100
99 50.5 48.8 73.2



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.024 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

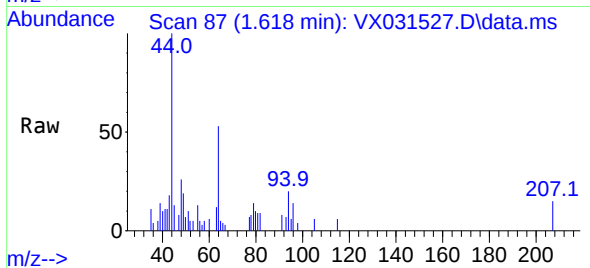
Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



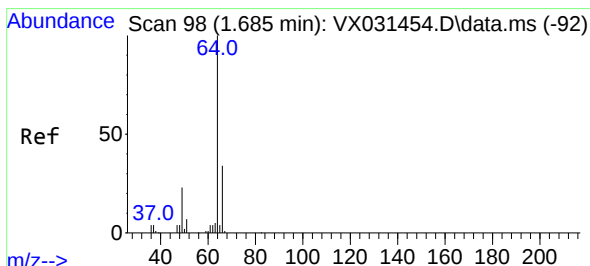
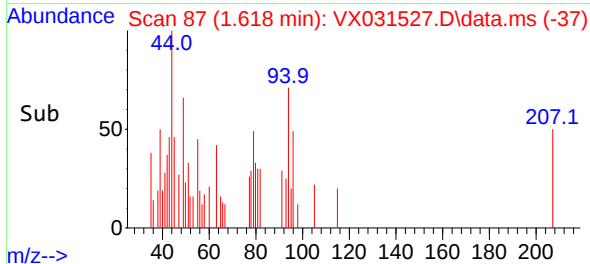
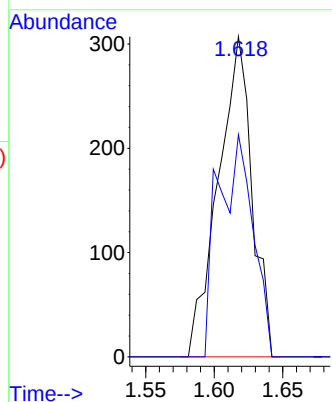


#5
Bromomethane
Concen: 0.210 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

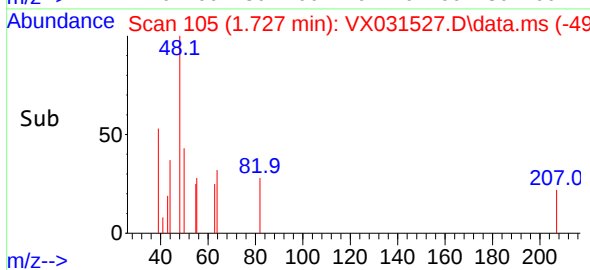
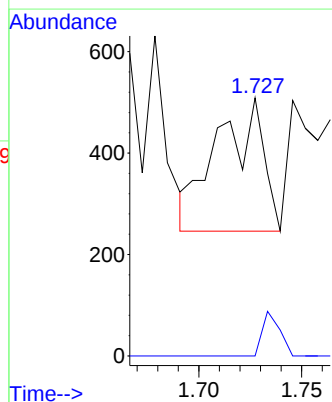
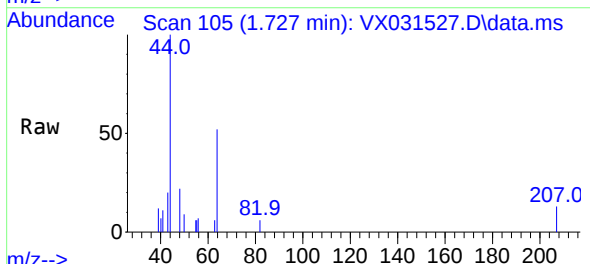


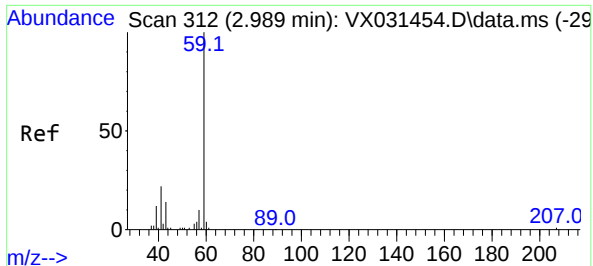
Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 69.4 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.727 min Scan# 105
Delta R.T. 0.042 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

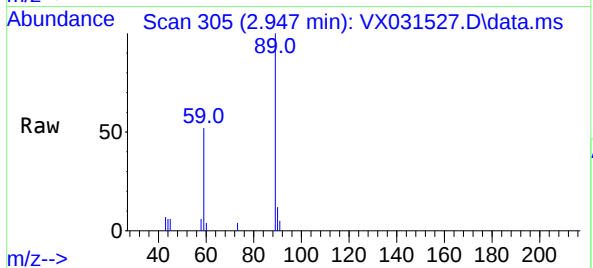
Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



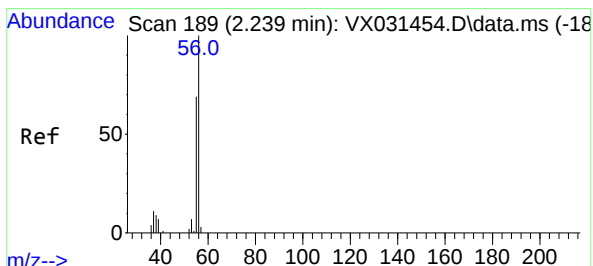
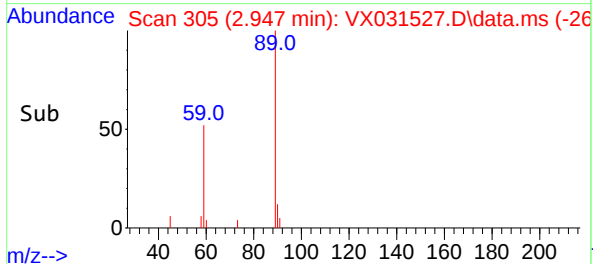
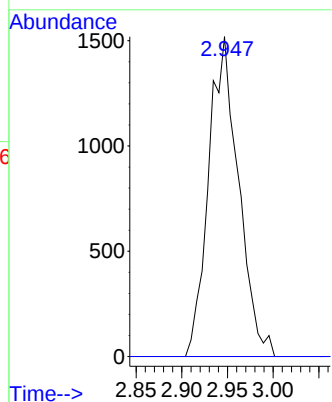


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 30
Delta R.T. -0.042 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

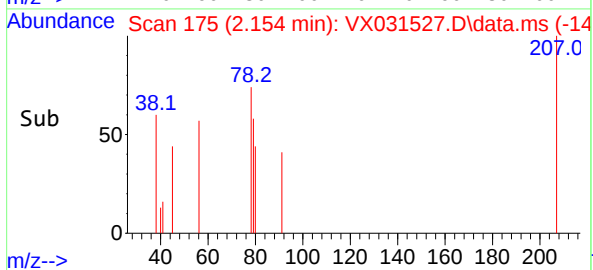
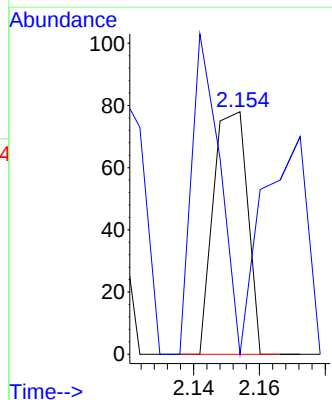
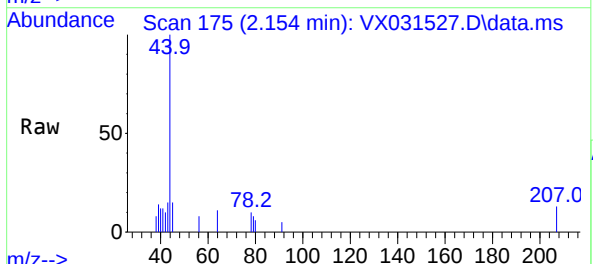


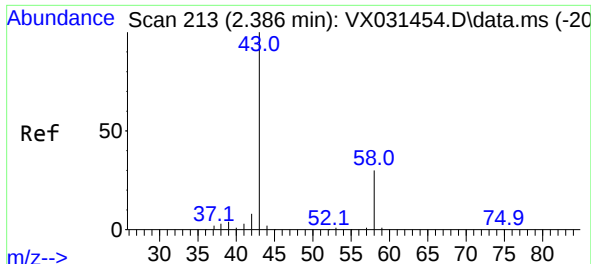
Tgt Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.154 min Scan# 175
Delta R.T. -0.085 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 108.9 56.0 84.0#

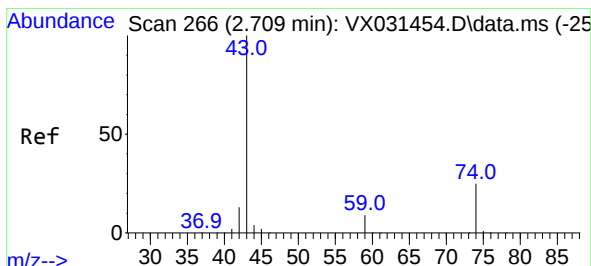
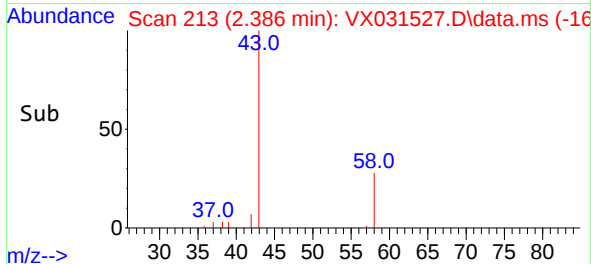
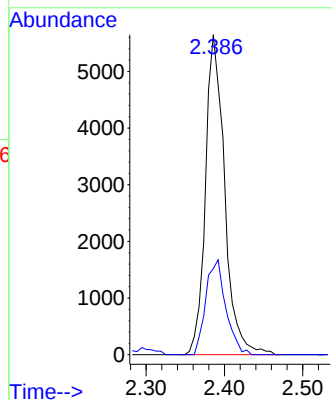
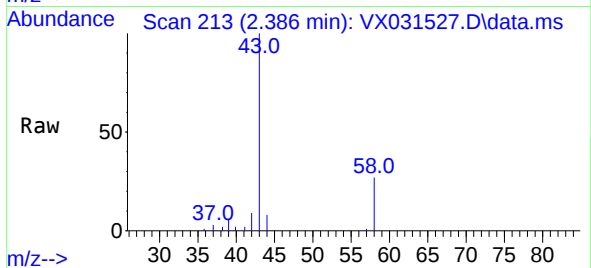




#16
Acetone
Concen: 2.823 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

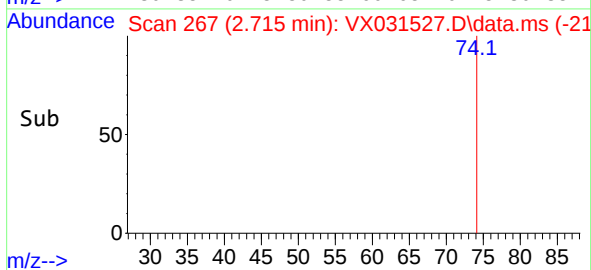
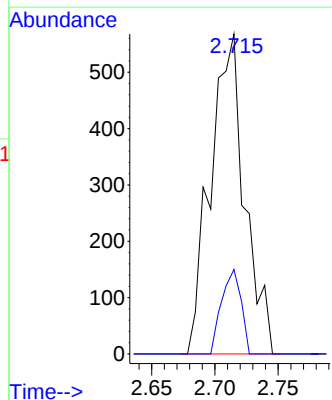
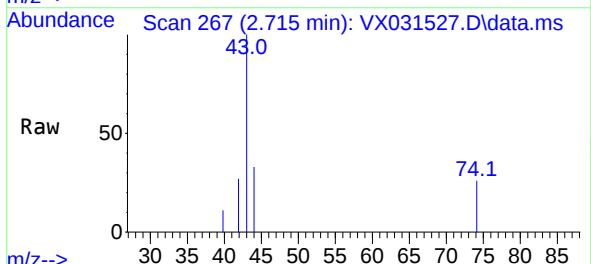
Instrument :
MSVOA_X
ClientSampleId :

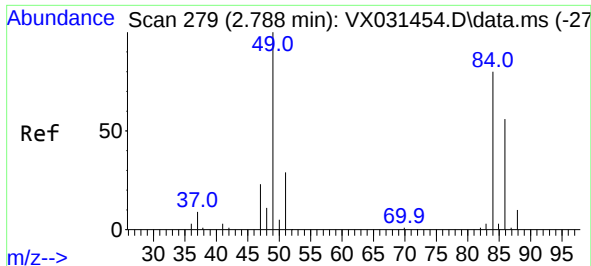
Tgt Ion: 43 Resp: 9598
Ion Ratio Lower Upper
43 100
58 26.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.479 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
74 15.0 18.6 27.8#





#20

Methylene Chloride

Concen: 0.749 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

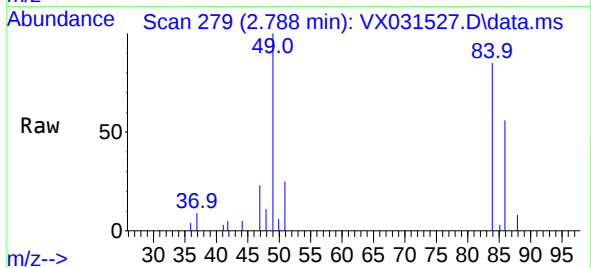
Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4053

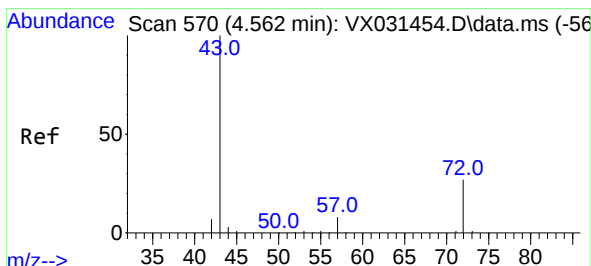
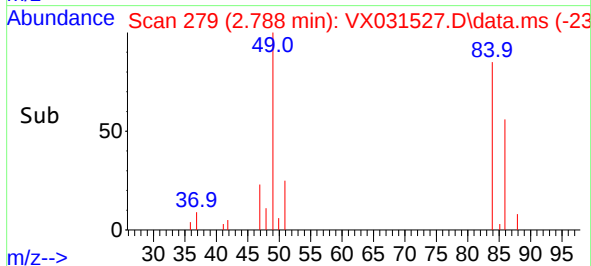
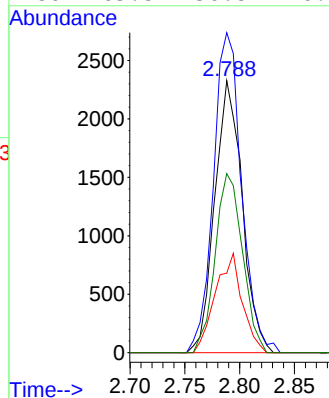
Ion Ratio Lower Upper

84 100

49 117.6 105.9 158.9

51 29.3 32.2 48.2#

86 65.8 50.8 76.2



#25

2-Butanone

Concen: 1.731 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX031527.D

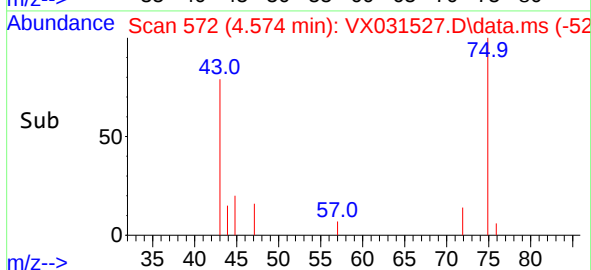
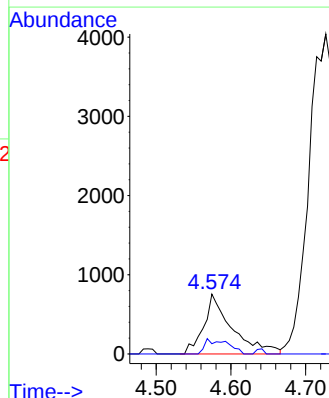
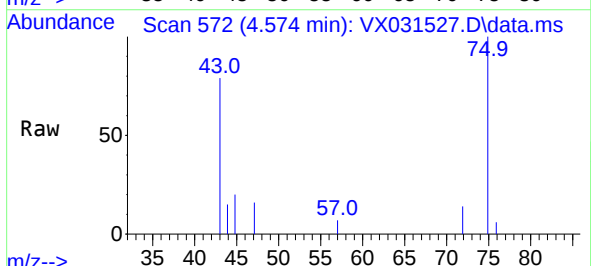
Acq: 21 Sep 2022 16:16

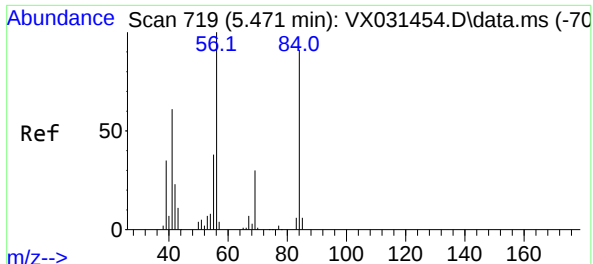
Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

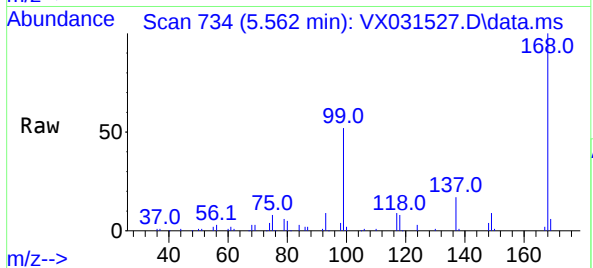
72 17.2 21.1 31.7#



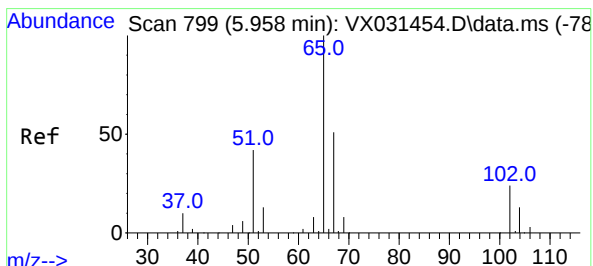
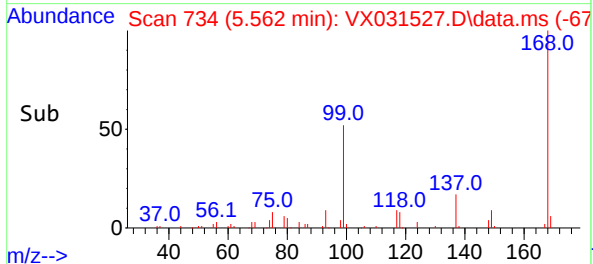
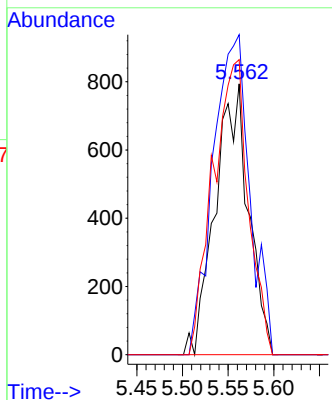


#31
Cyclohexane
Concen: 0.915 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

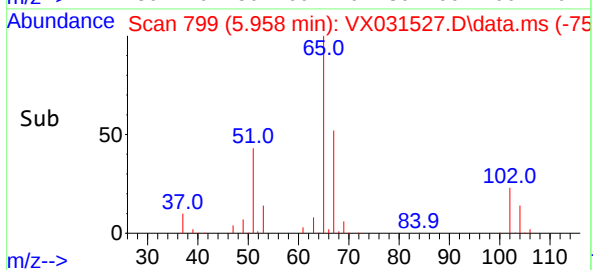
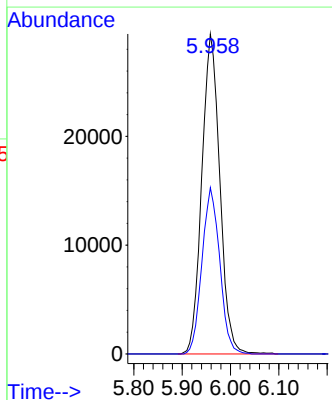
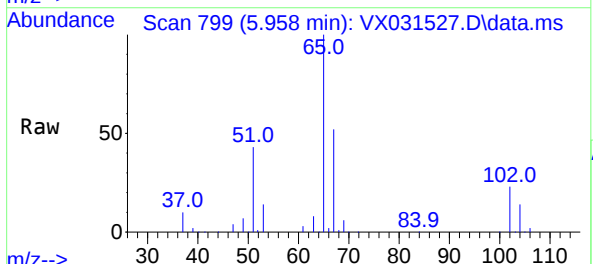


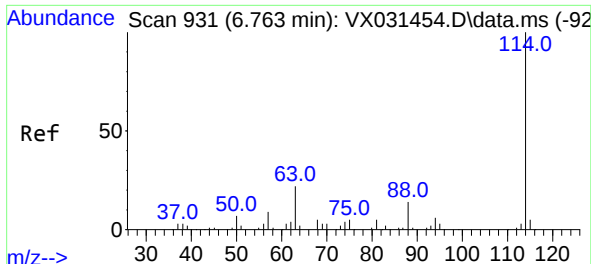
Tgt Ion: 56 Resp: 2017
Ion Ratio Lower Upper
56 100
69 118.1 25.1 37.7#
84 108.9 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 51.232 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 65 Resp: 76255
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

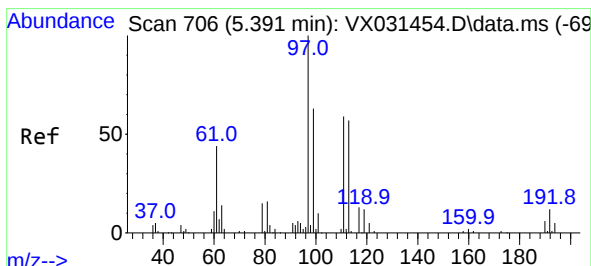
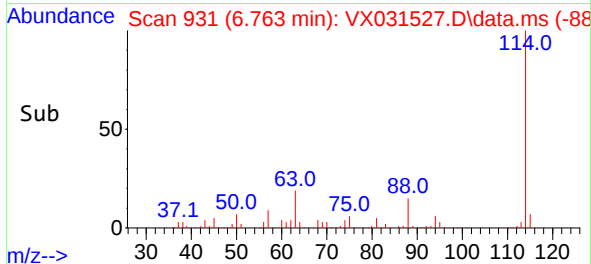
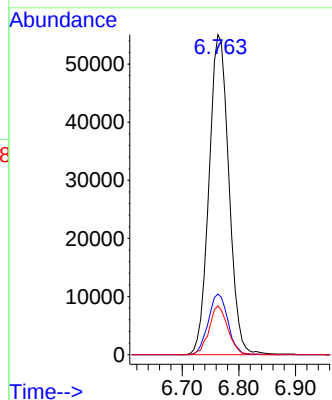
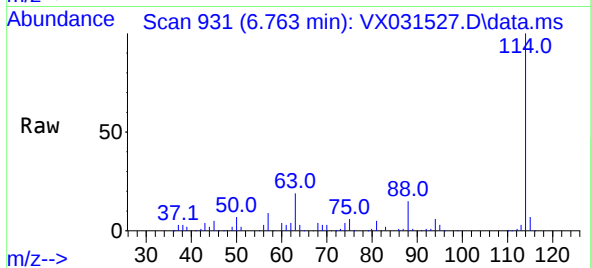




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

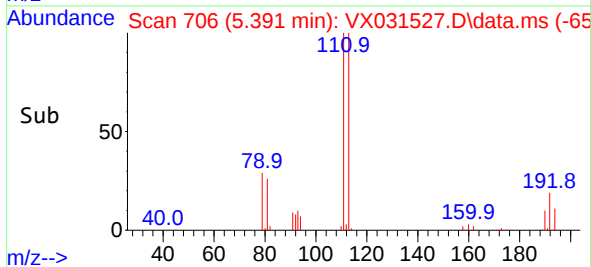
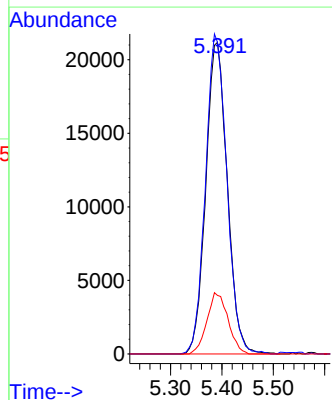
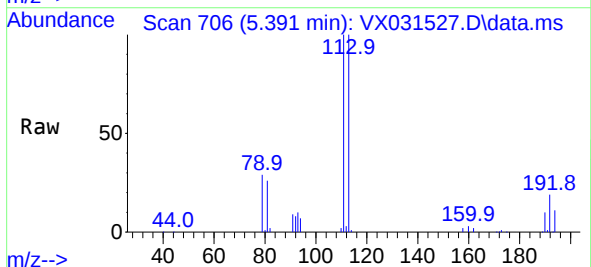
Instrument :
MSVOA_X
ClientSampleId :

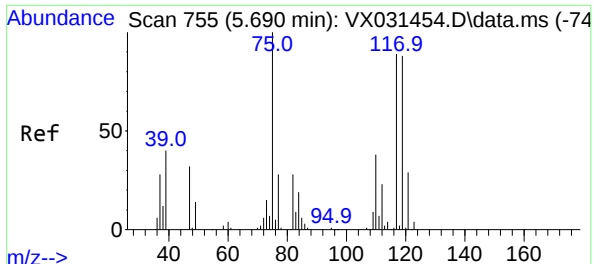
Tgt Ion:114 Resp: 133829
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.6
88 15.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 44.338 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion:113 Resp: 61445
Ion Ratio Lower Upper
113 100
111 102.2 82.4 123.6
192 19.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.021 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

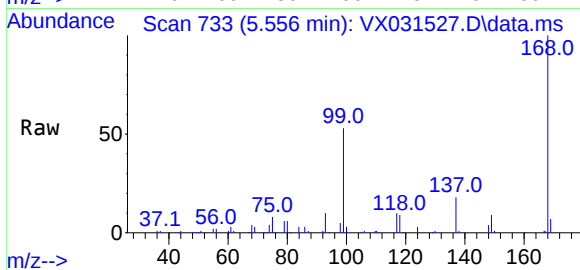
Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :



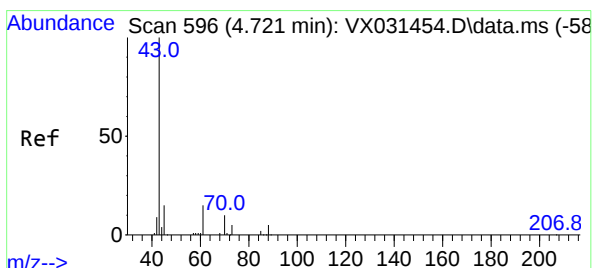
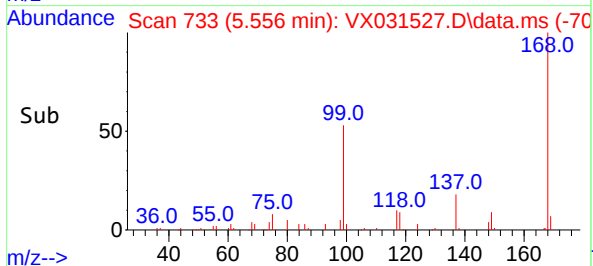
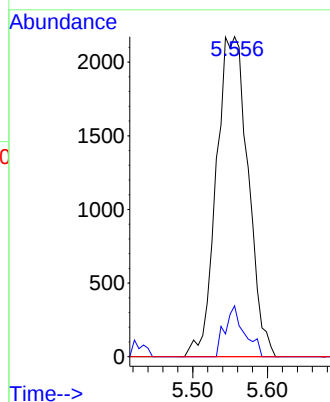
Tgt Ion: 75 Resp: 6427

Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 4.978 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

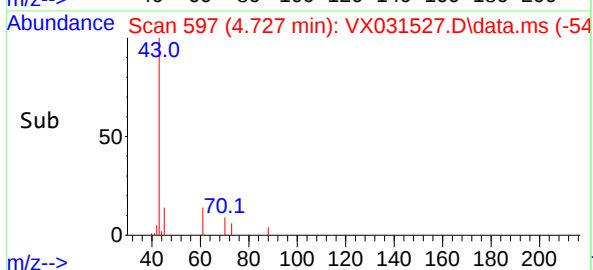
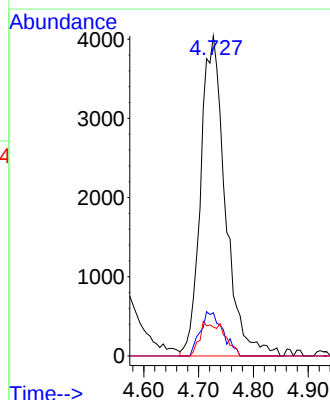
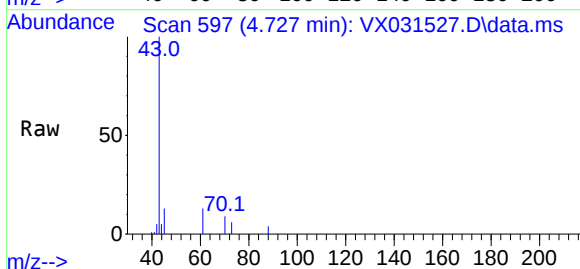
Tgt Ion: 43 Resp: 12634

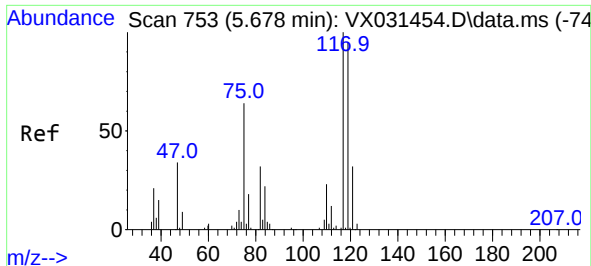
Ion Ratio Lower Upper

43 100

61 12.6 11.1 16.7

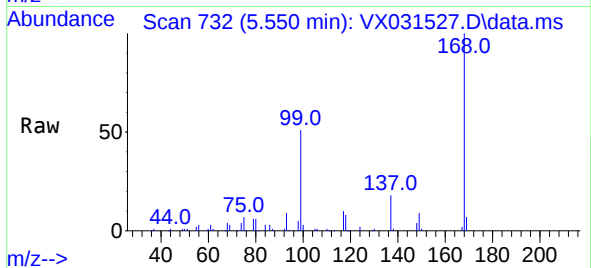
70 10.4 8.6 13.0



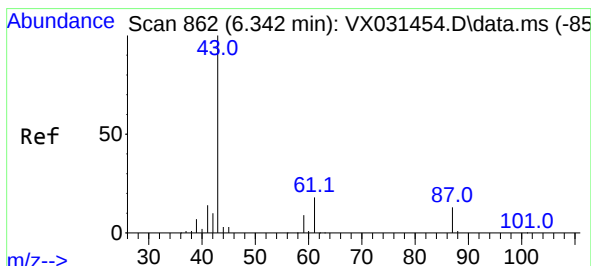
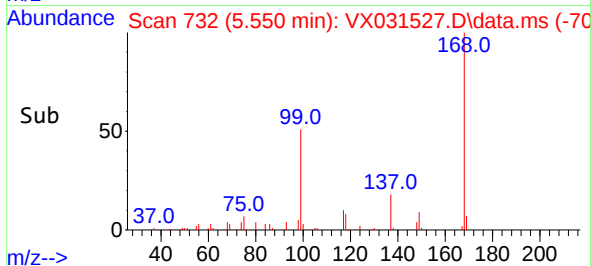
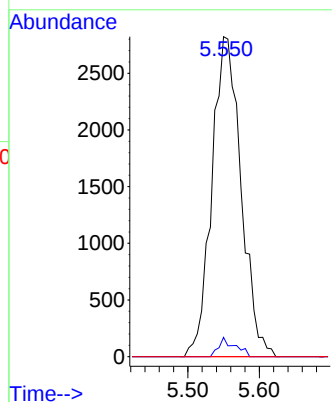


#38
Carbon Tetrachloride
Concen: 3.390 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

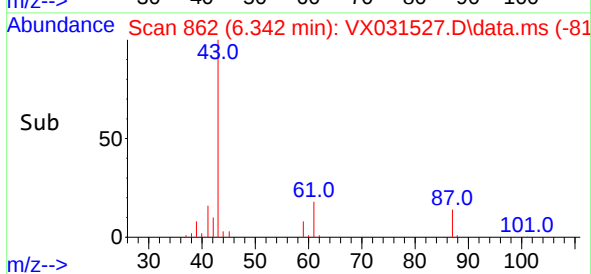
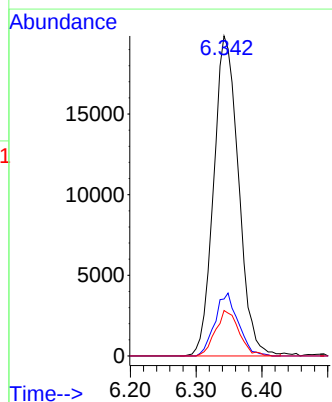
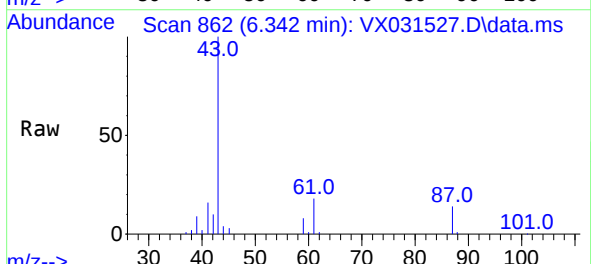


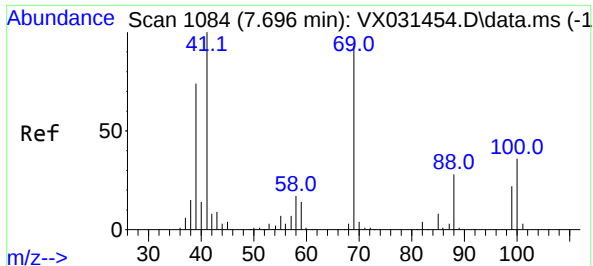
Tgt Ion:117 Resp: 7993
Ion Ratio Lower Upper
117 100
119 6.0 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 13.375 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 43 Resp: 52167
Ion Ratio Lower Upper
43 100
61 18.5 15.3 22.9
87 13.5 10.6 15.8

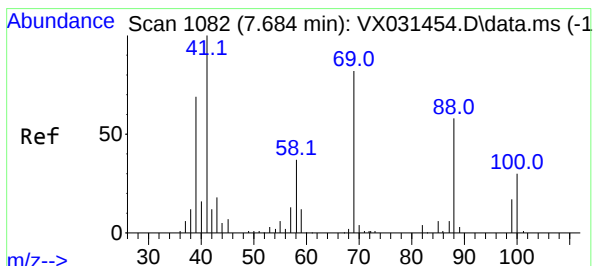
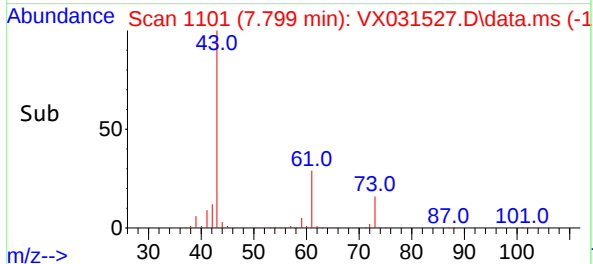
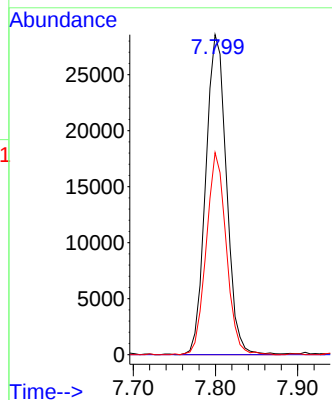
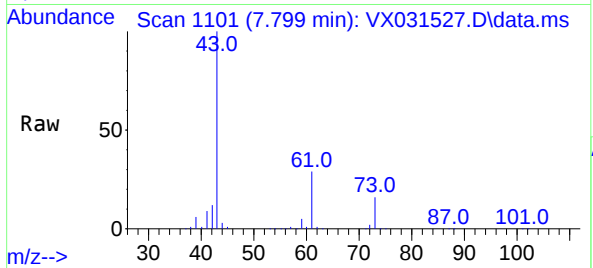




#48
Methyl methacrylate
Concen: 28.086 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

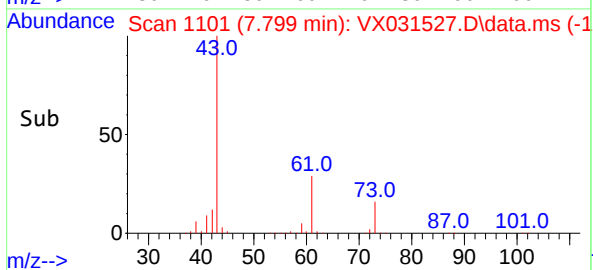
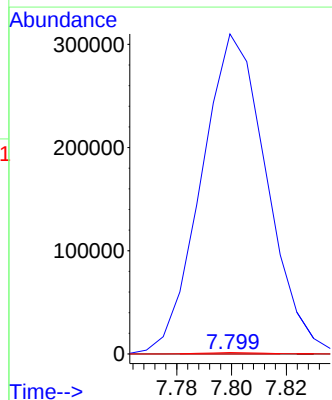
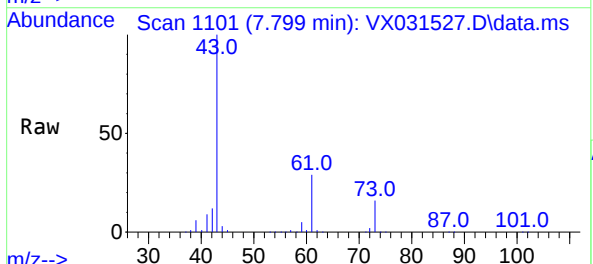
Instrument :
MSVOA_X
ClientSampleId :

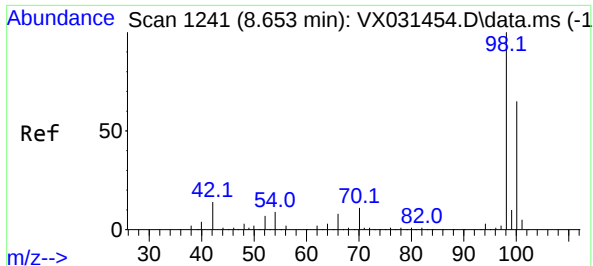
Tgt Ion: 41 Resp: 50047
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 60.9 51.4 77.0



#49
1,4-Dioxane
Concen: 1.990 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 640000.0 27.1 40.7#
58 2674.1 53.9 80.9#





#50

Toluene-d8

Concen: 37.428 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

Instrument :

MSVOA_X

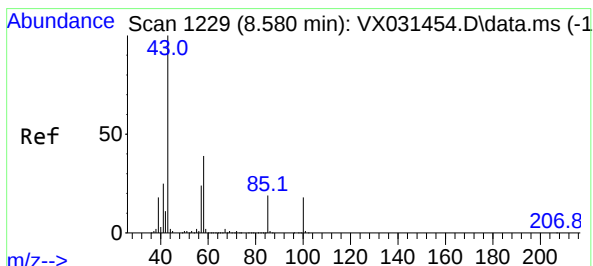
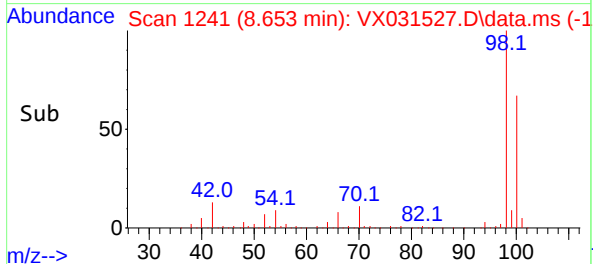
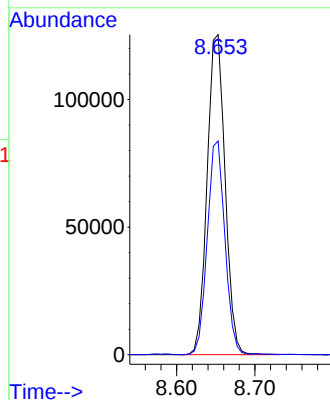
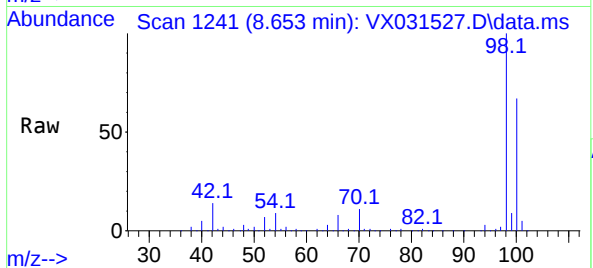
ClientSampleId :

Tgt Ion: 98 Resp: 199564

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 15.887 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031527.D

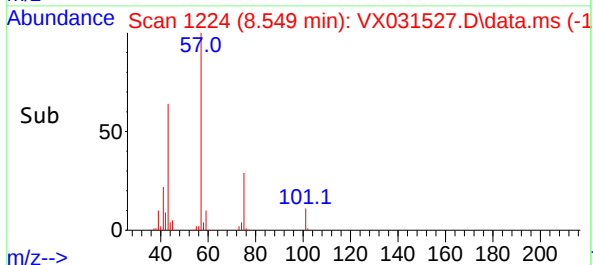
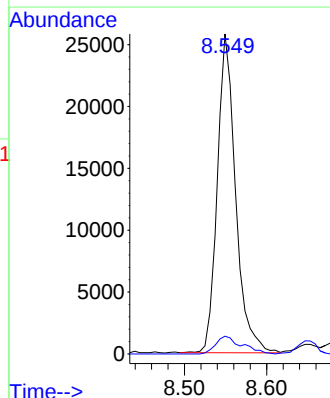
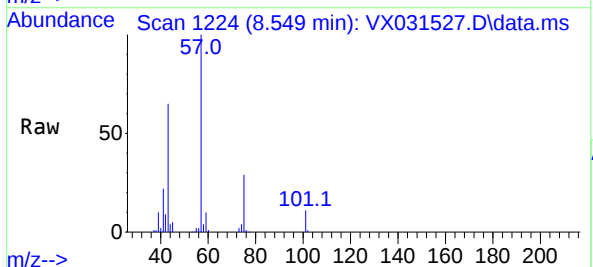
Acq: 21 Sep 2022 16:16

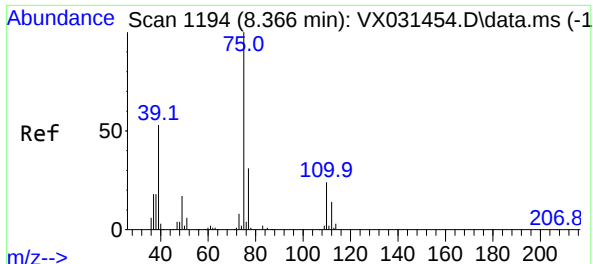
Tgt Ion: 43 Resp: 39857

Ion Ratio Lower Upper

43 100

58 7.9 30.6 46.0#





#54

cis-1,3-Dichloropropene

Concen: 6.786 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

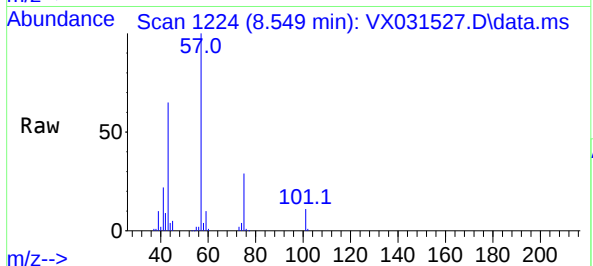
Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

Instrument :

MSVOA_X

ClientSampleId :



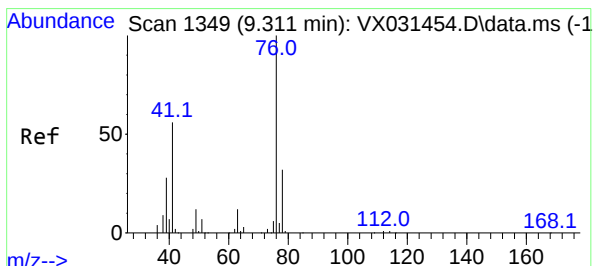
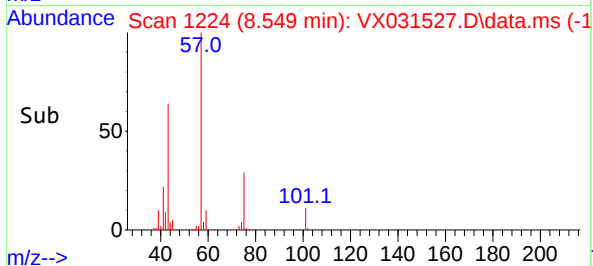
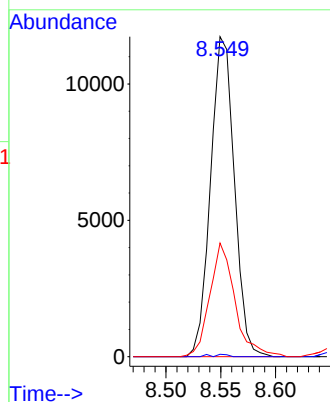
Tgt Ion: 75 Resp: 17730

Ion Ratio Lower Upper

75 100

77 0.8 24.4 36.6#

39 35.5 43.7 65.5#



#57

1,3-Dichloropropane

Concen: 0.854 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031527.D

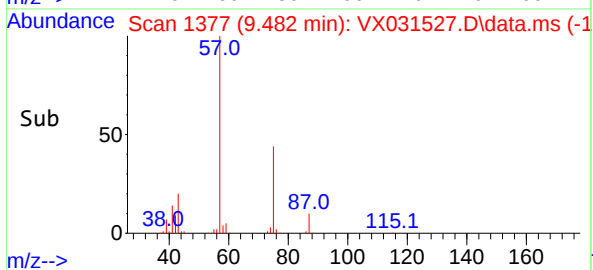
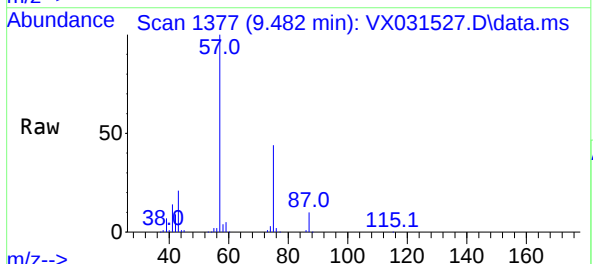
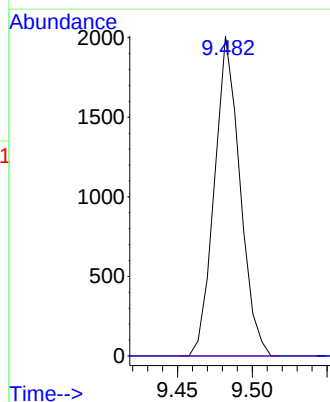
Acq: 21 Sep 2022 16:16

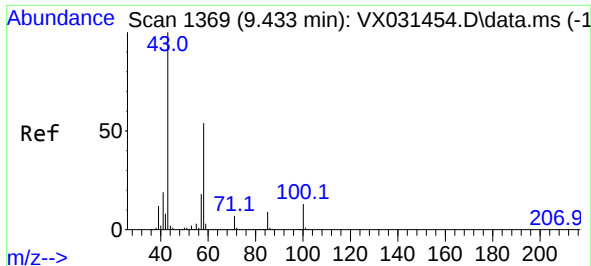
Tgt Ion: 76 Resp: 2389

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 16.185 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

Instrument :

MSVOA_X

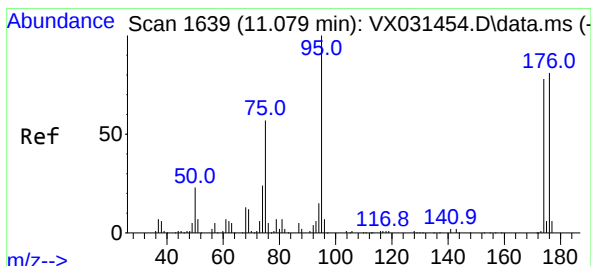
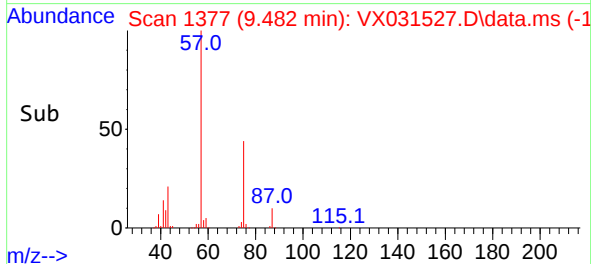
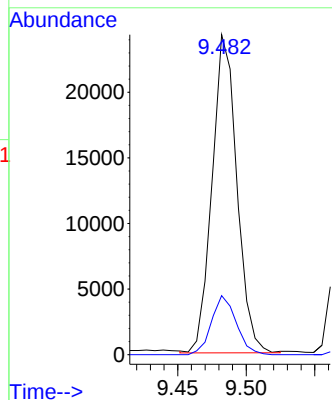
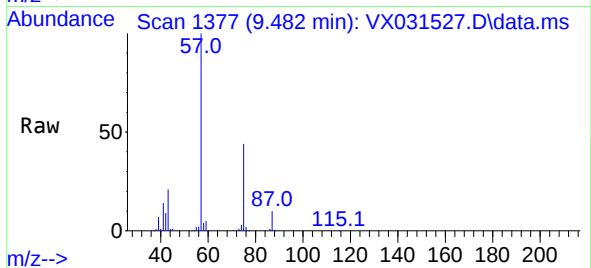
ClientSampleId :

Tgt Ion: 43 Resp: 30494

Ion Ratio Lower Upper

43 100

58 18.5 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 33.794 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031527.D

Acq: 21 Sep 2022 16:16

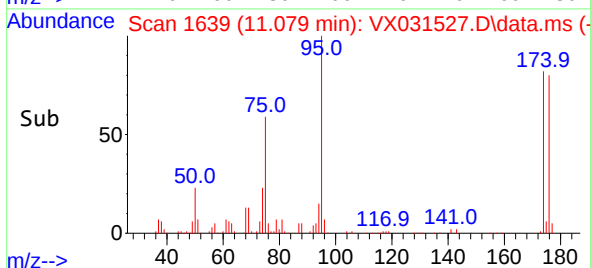
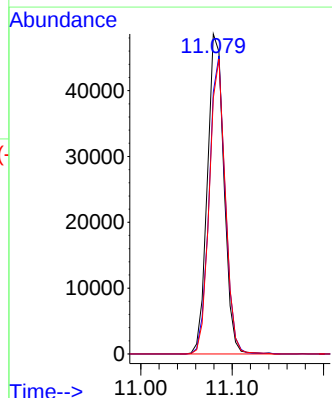
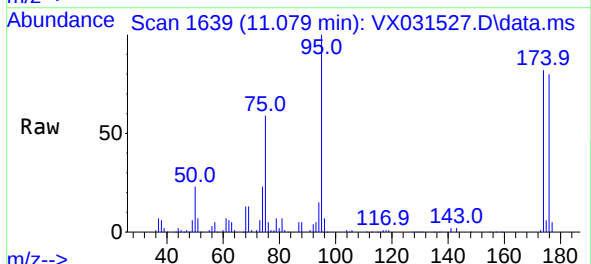
Tgt Ion: 95 Resp: 61034

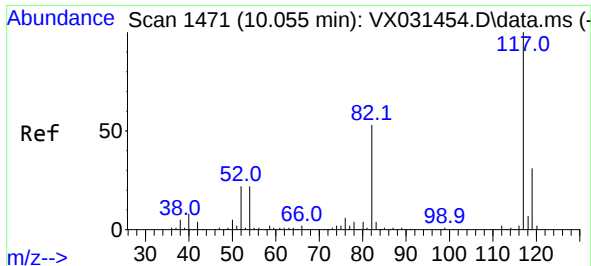
Ion Ratio Lower Upper

95 100

174 89.9 0.0 153.2

176 88.8 0.0 144.0

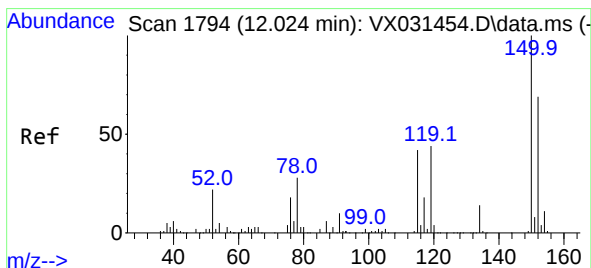
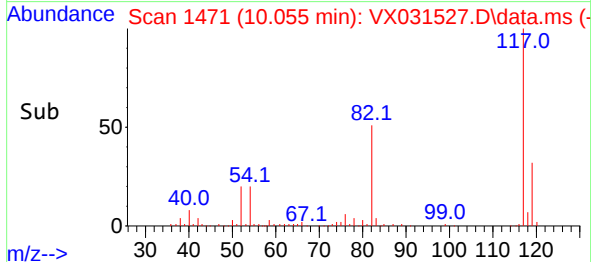
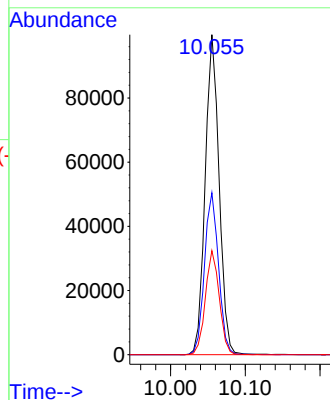
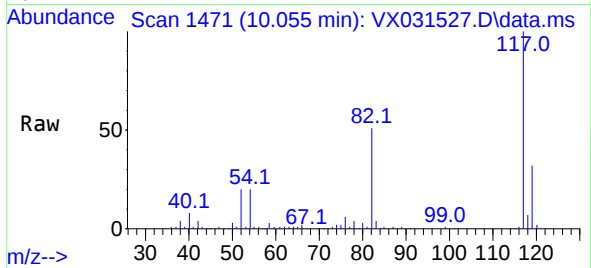




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

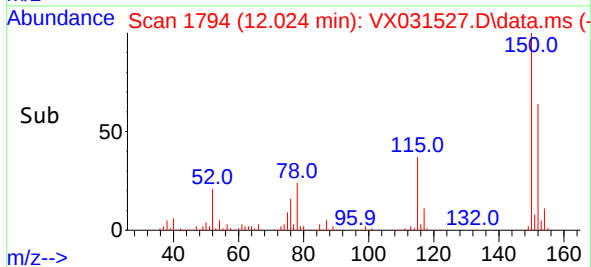
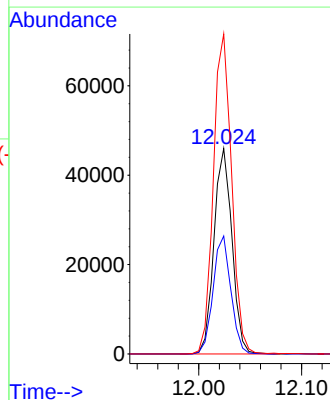
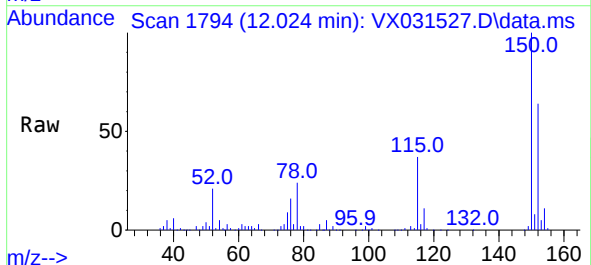
Instrument :
MSVOA_X
ClientSampleId :

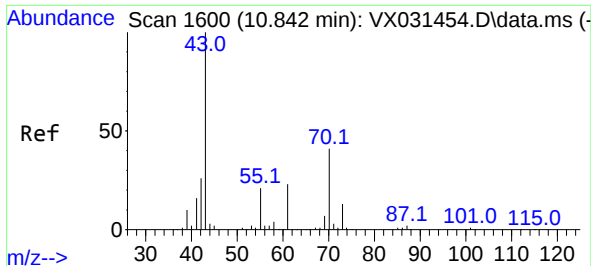
Tgt Ion:117 Resp: 128962
Ion Ratio Lower Upper
117 100
82 50.6 46.8 70.2
119 32.5 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

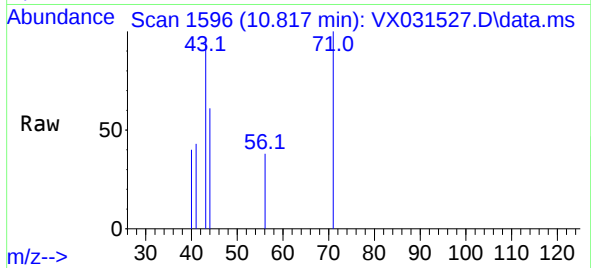
Tgt Ion:152 Resp: 55666
Ion Ratio Lower Upper
152 100
115 56.8 43.4 130.1
150 158.4 0.0 346.8





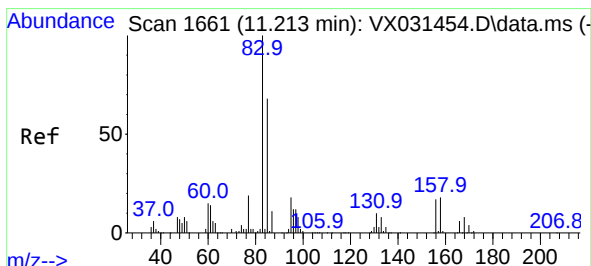
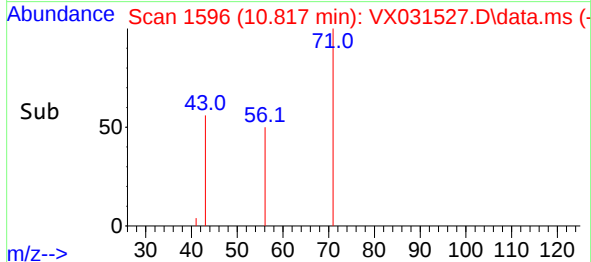
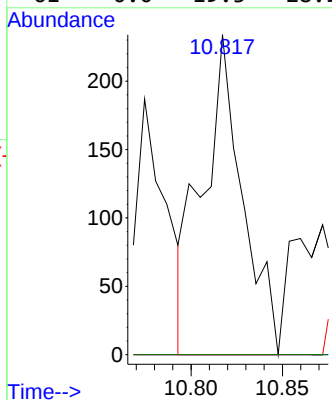
#74
N-amy1 acetate
Concen: 0.211 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 356

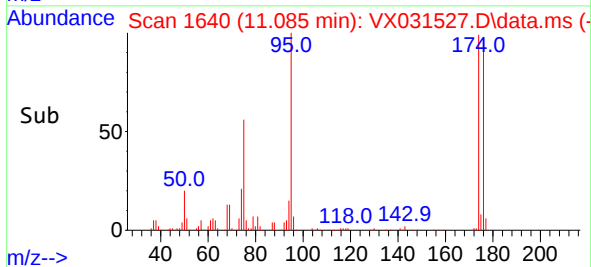
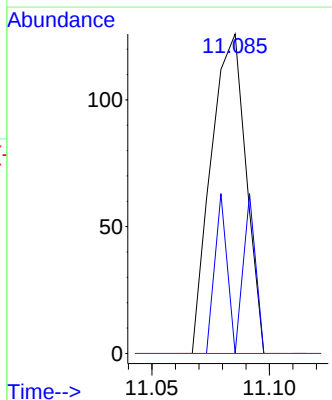
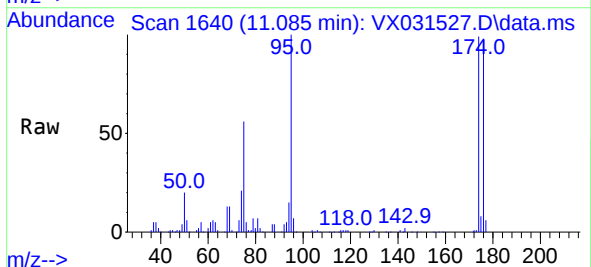
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.2#
55	0.0	18.2	27.2#
61	0.0	19.3	28.9#

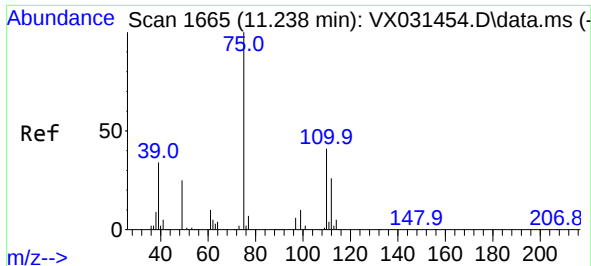


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Tgt Ion: 83 Resp: 130

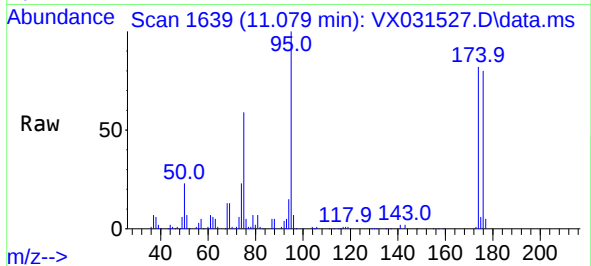
Ion	Ratio	Lower	Upper
83	100		
131	35.4	5.1	15.4#
85	0.0	32.6	97.8#



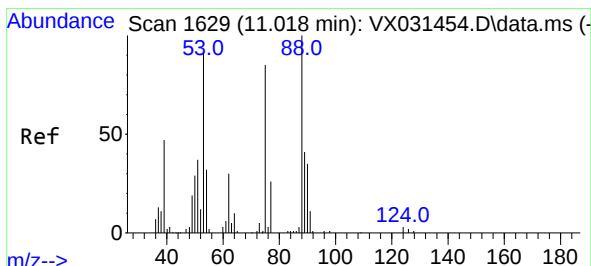
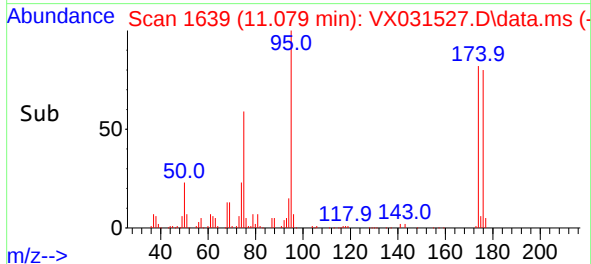
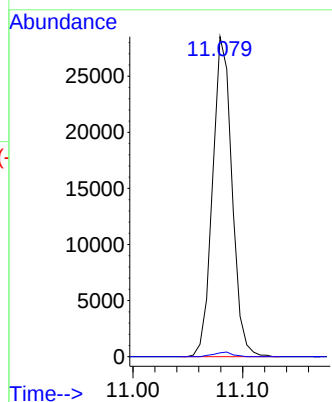


#76
1,2,3-Trichloropropane
Concen: 28.206 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :

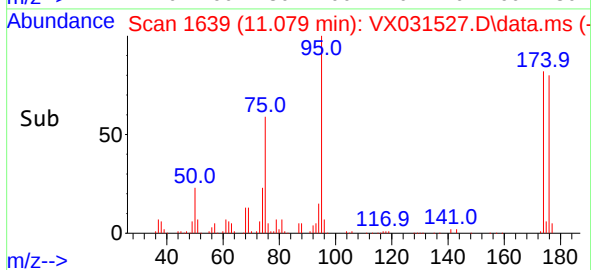
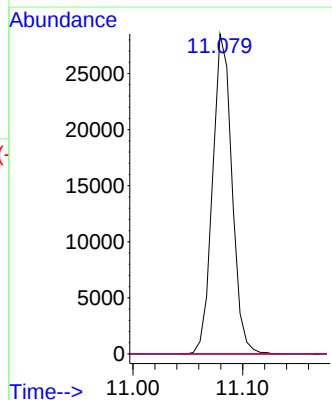
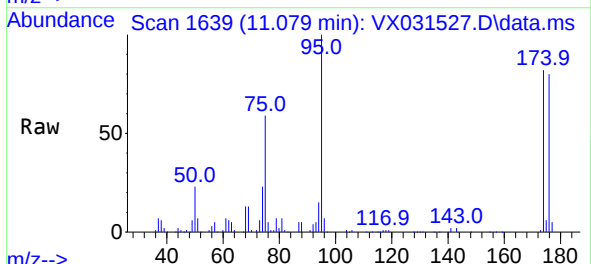


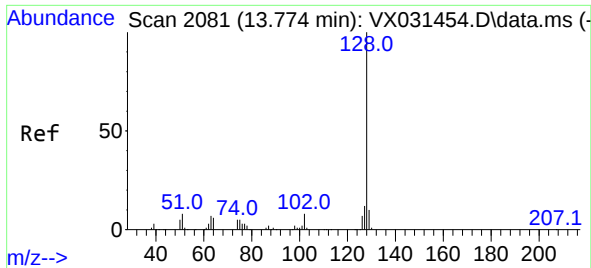
Tgt Ion: 75 Resp: 35043
Ion Ratio Lower Upper
75 100
77 1.4 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

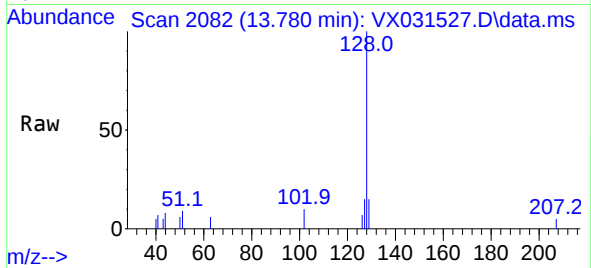
Tgt Ion: 75 Resp: 35043
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 0.449 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX031527.D
Acq: 21 Sep 2022 16:16

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1791
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 8.3 8.8 13.2#

