

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031528.D
 Acq On : 21 Sep 2022 16:40
 Operator : JC/MD
 Sample : N4509-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

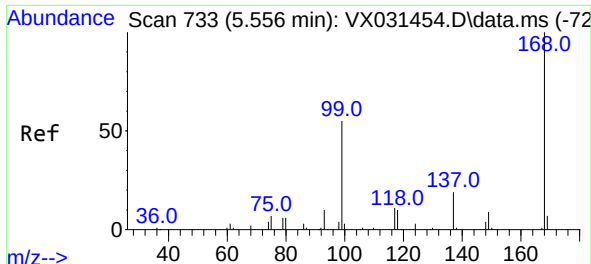
Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_114D-20220902RE

Quant Time: Sep 22 01:14:19 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	5.562	168	75482	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	125984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65927	47.482	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.960%
35) Dibromofluoromethane	5.385	113	52634	40.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	80.560%
50) Toluene-d8	8.653	98	160625	32.001	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	64.000%#
62) 4-Bromofluorobenzene	11.079	95	49654	29.205	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	58.400%#
Target Compounds						
						Qvalue
3) Chloromethane	1.276	50	335	0.233	ug/l	# 41
5) Bromomethane	1.618	94	479	0.205	ug/l	# 77
6) Chloroethane	1.758	64	178	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	5717	Below Cal	#	73
13) Acrolein	2.124	56	19	Below Cal	#	1
16) Acetone	2.386	43	9468	3.846	ug/l	96
18) Methyl Acetate	2.709	43	2662	1.287	ug/l	# 88
20) Methylene Chloride	2.788	84	3995	0.936	ug/l	94
25) 2-Butanone	4.581	43	1939	1.814	ug/l	# 88
29) Tetrahydrofuran	5.019	42	154	0.221	ug/l	# 75
31) Cyclohexane	5.556	56	1955	0.952	ug/l	# 33
36) 1,1-Dichloropropene	5.562	75	5860	2.926	ug/l	# 49
37) Ethyl Acetate	4.727	43	11328	4.742	ug/l	# 92
38) Carbon Tetrachloride	5.550	117	7506	3.381	ug/l	# 17
43) Isopropyl Acetate	6.348	43	46160	12.571	ug/l	98
48) Methyl methacrylate	7.799	41	42757	25.489	ug/l	# 46
51) 4-Methyl-2-Pentanone	8.549	43	28670	12.140	ug/l	# 52
54) cis-1,3-Dichloropropene	8.549	75	12746	5.182	ug/l	# 68
57) 1,3-Dichloropropane	9.482	76	1504	0.571	ug/l	# 43
59) 2-Hexanone	9.482	43	20032	11.294	ug/l	# 54
75) 1,1,2,2-Tetrachloroethane	11.079	83	48	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	28087	23.529	ug/l	# 36
81) trans-1,4-Dichloro-2-b...	11.079	75	28087	75.759	ug/l	# 11
95) Naphthalene	13.780	128	1234	0.322	ug/l	# 91

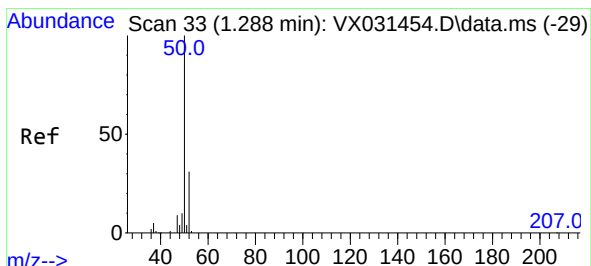
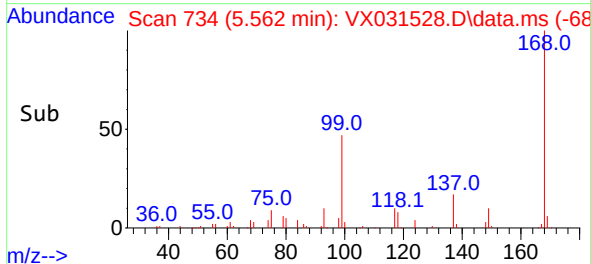
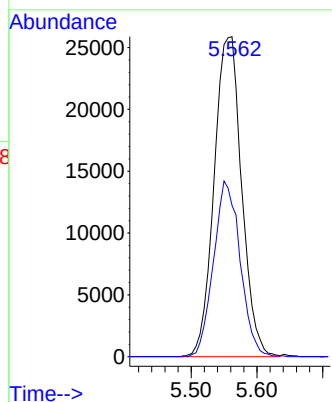
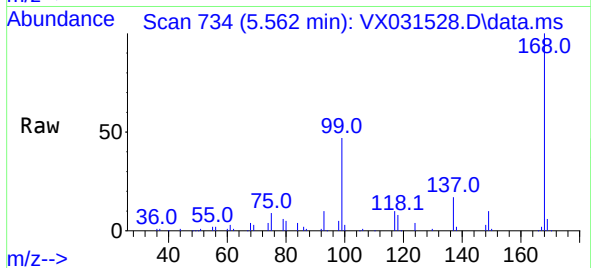
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031528.D
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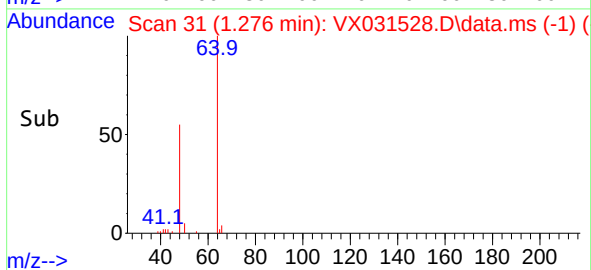
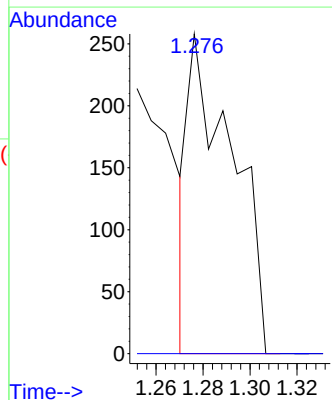
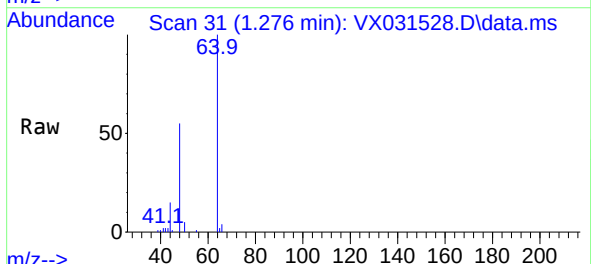
Instrument :
MSVOA_X
ClientSampleId :
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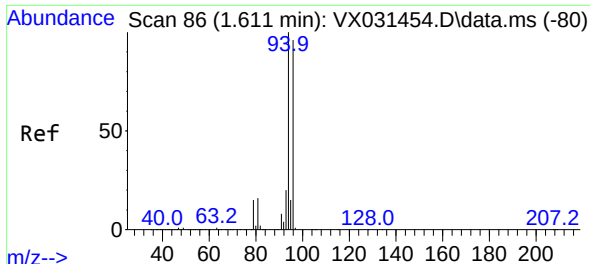
Tgt Ion:168 Resp: 75482
Ion Ratio Lower Upper
168 100
99 47.3 48.8 73.2#



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.012 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

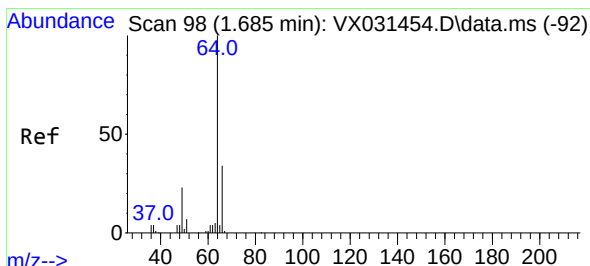
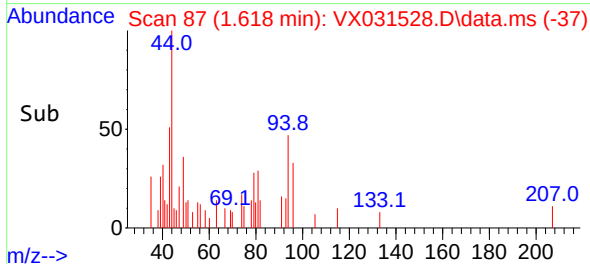
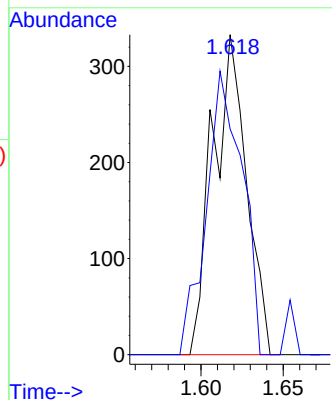
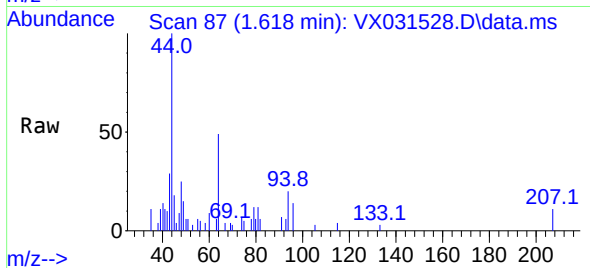




#5
Bromomethane
Concen: 0.205 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

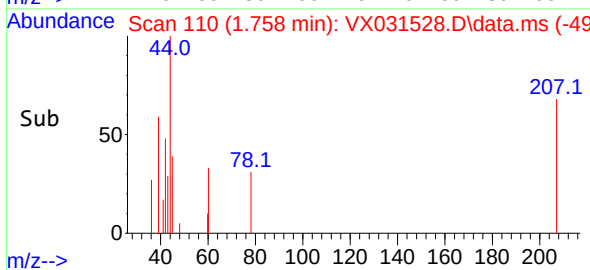
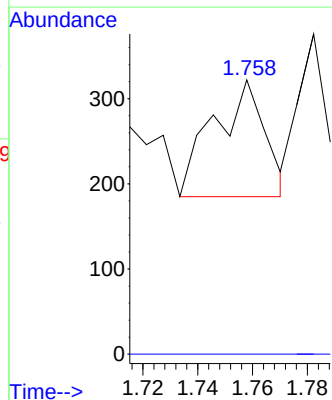
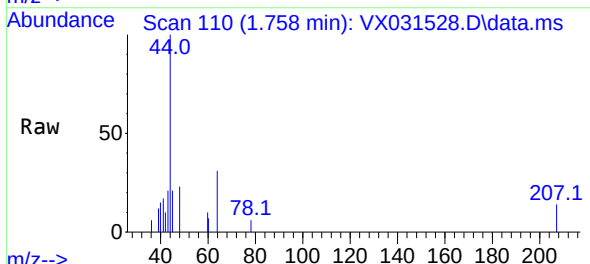
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

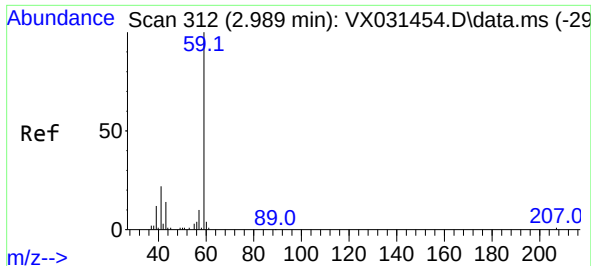
Tgt Ion: 94 Resp: 479
Ion Ratio Lower Upper
94 100
96 70.6 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.758 min Scan# 110
Delta R.T. 0.073 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 64 Resp: 178
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# 305

Delta R.T. -0.042 min

Lab File: VX031528.D

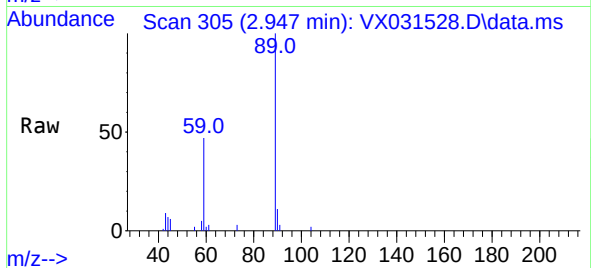
Acq: 21 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

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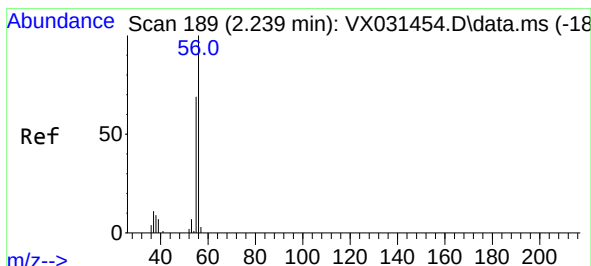
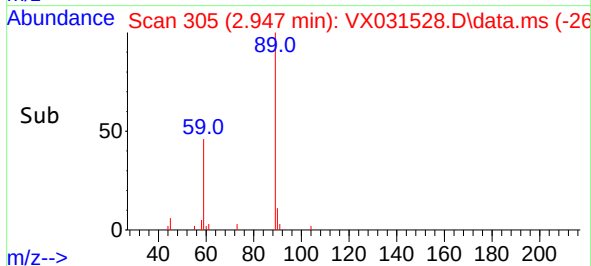
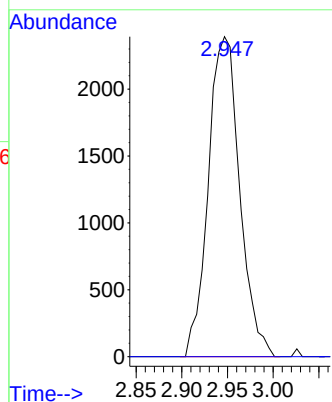


Tgt Ion: 59 Resp: 5717

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.124 min Scan# 170

Delta R.T. -0.115 min

Lab File: VX031528.D

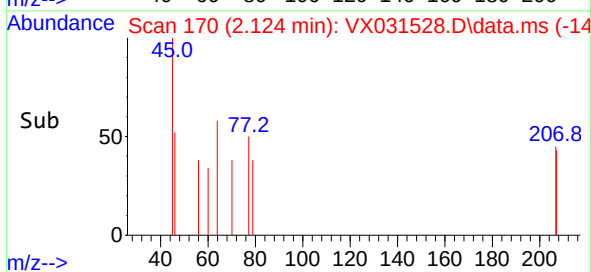
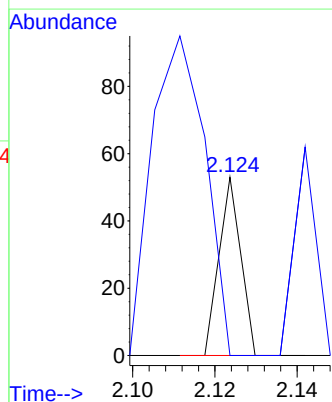
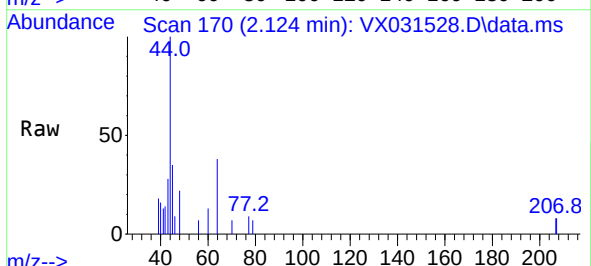
Acq: 21 Sep 2022 16:40

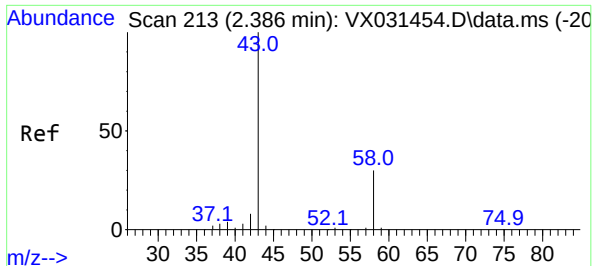
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 447.4 56.0 84.0#

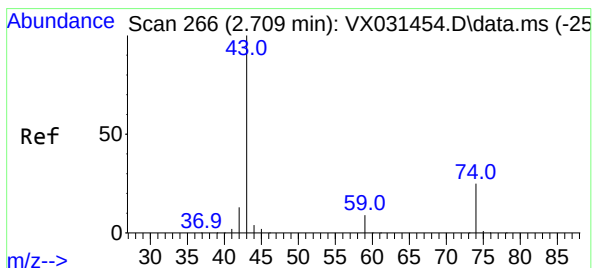
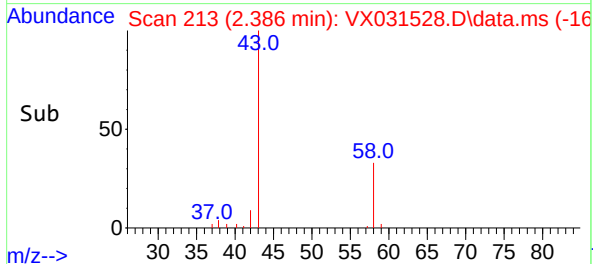
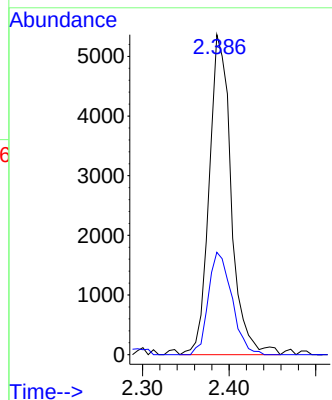
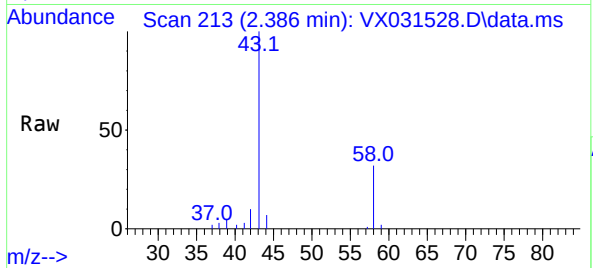




#16
Acetone
Concen: 3.846 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

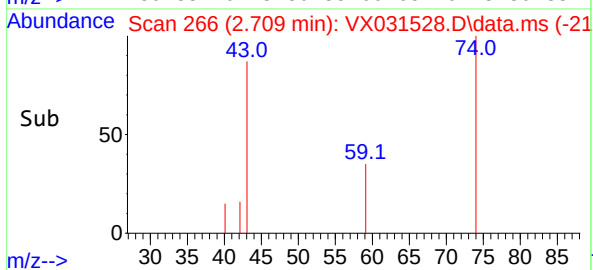
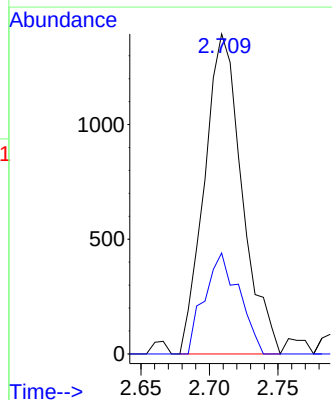
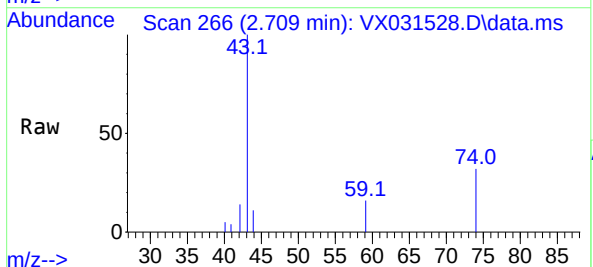
Instrument :
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ClientSampleId :
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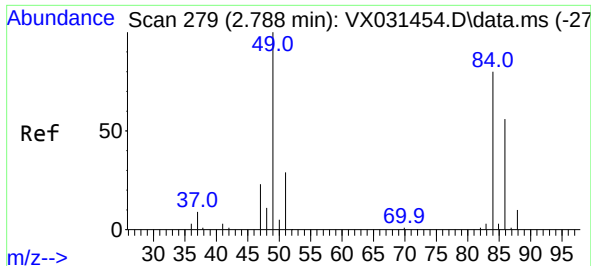
Tgt Ion: 43 Resp: 9468
Ion Ratio Lower Upper
43 100
58 32.0 23.8 35.8



#18
Methyl Acetate
Concen: 1.287 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 43 Resp: 2662
Ion Ratio Lower Upper
43 100
74 29.0 18.6 27.8#

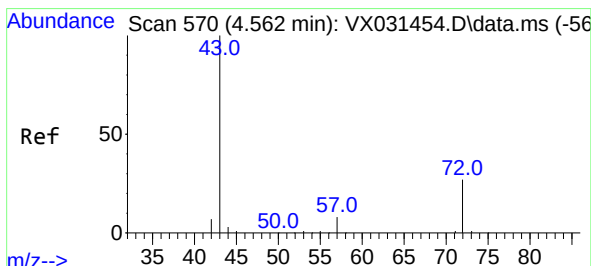
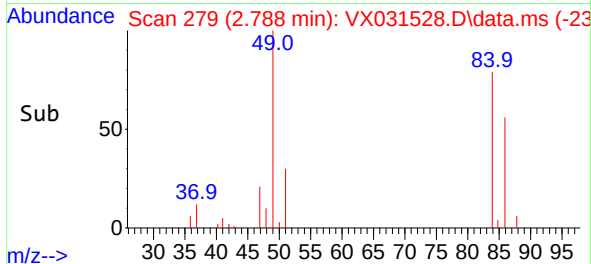
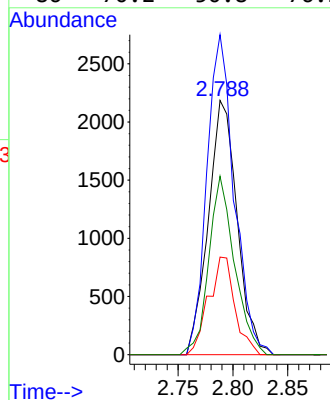
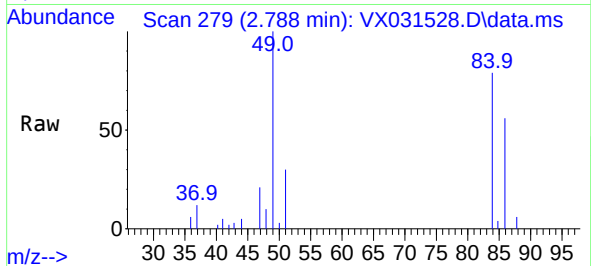




#20
Methylene Chloride
Concen: 0.936 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

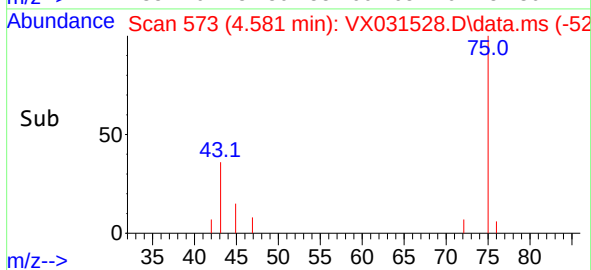
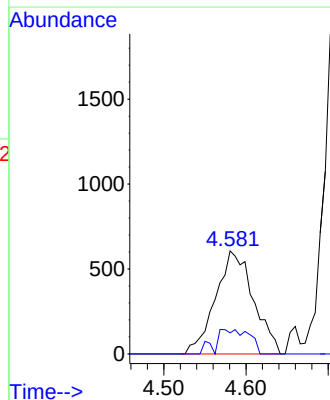
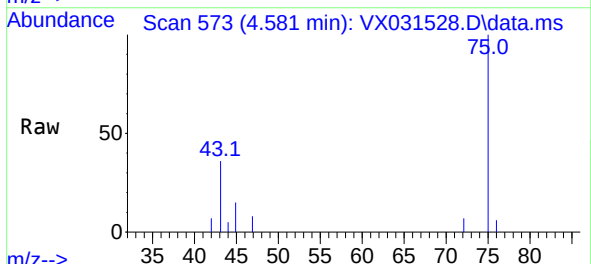
Instrument :
MSVOA_X
ClientSampleId :
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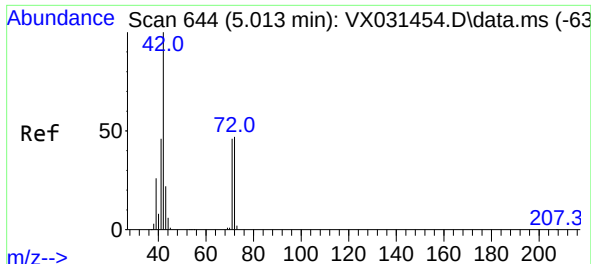
Tgt Ion:	84	Resp:	3995
Ion	Ratio	Lower	Upper
84	100		
49	125.9	105.9	158.9
51	38.4	32.2	48.2
86	70.2	50.8	76.2



#25
2-Butanone
Concen: 1.814 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion:	43	Resp:	1939
Ion	Ratio	Lower	Upper
43	100		
72	20.5	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.221 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX031528.D

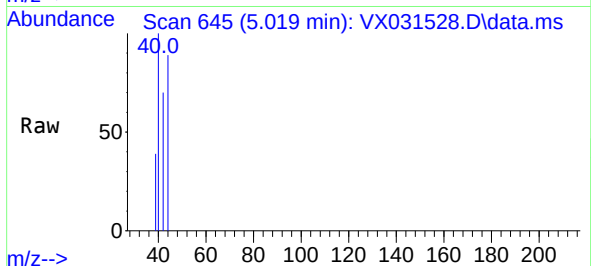
Acq: 21 Sep 2022 16:40

Instrument :

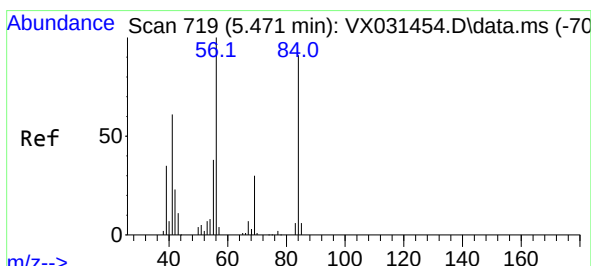
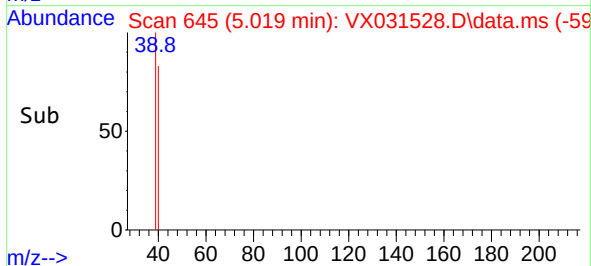
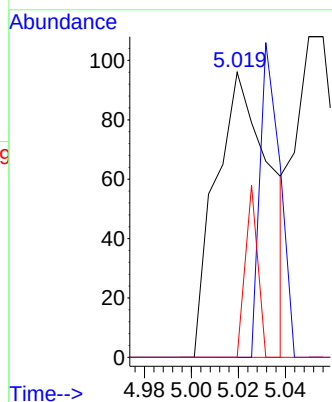
MSVOA_X

ClientSampleId :

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Tgt Ion:	42	Resp:	154
Ion	Ratio	Lower	Upper
42	100		
72	40.9	36.4	54.6
71	13.6	33.5	50.3



#31

Cyclohexane

Concen: 0.952 ug/l

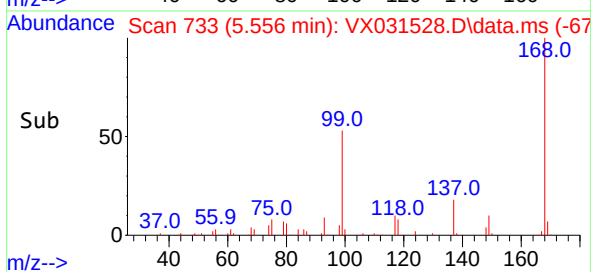
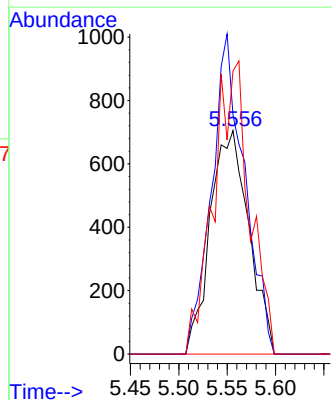
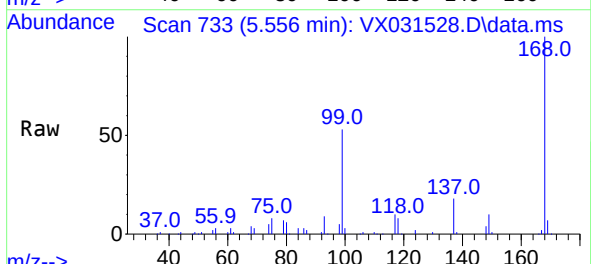
RT: 5.556 min Scan# 733

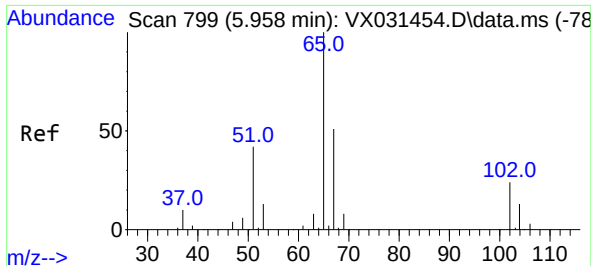
Delta R.T. 0.085 min

Lab File: VX031528.D

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Tgt Ion:	56	Resp:	1955
Ion	Ratio	Lower	Upper
56	100		
69	107.0	25.1	37.7
84	126.7	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 47.482 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031528.D

Acq: 21 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

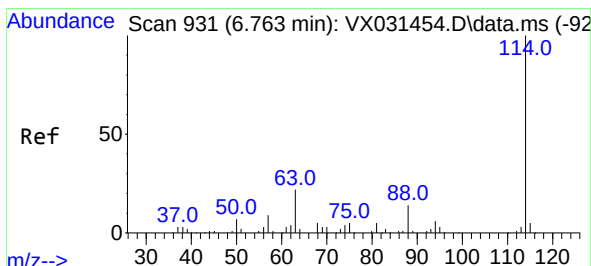
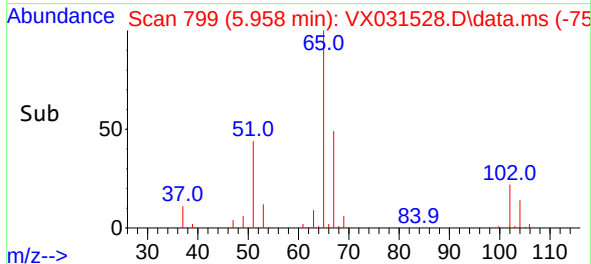
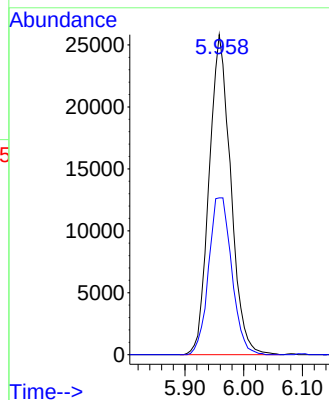
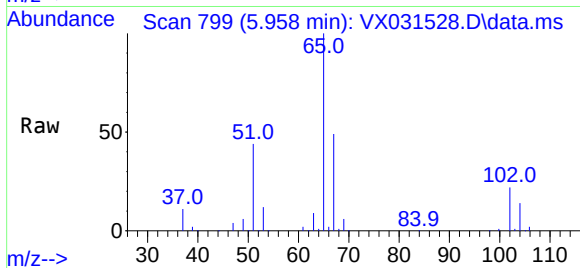
S1-SO_114D-20220902RE

Tgt Ion: 65 Resp: 65927

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031528.D

Acq: 21 Sep 2022 16:40

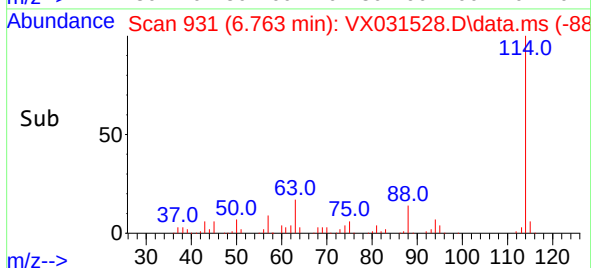
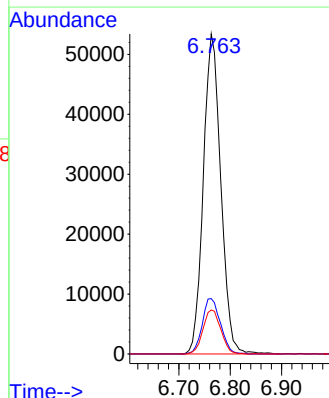
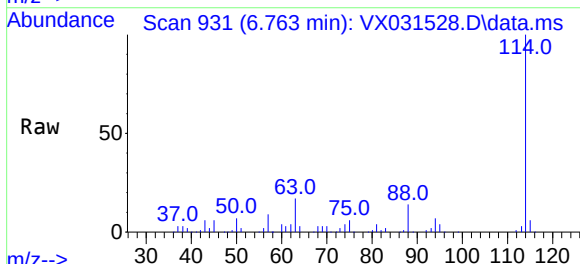
Tgt Ion: 114 Resp: 125984

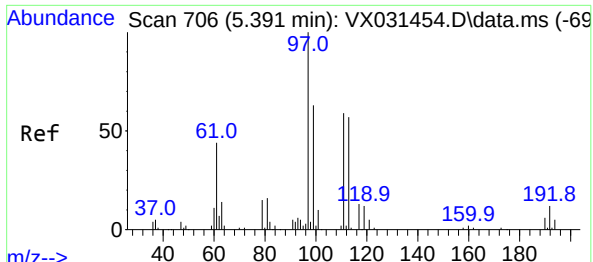
Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.6

88 13.8 0.0 33.0

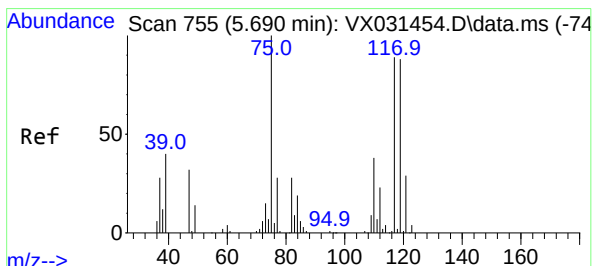
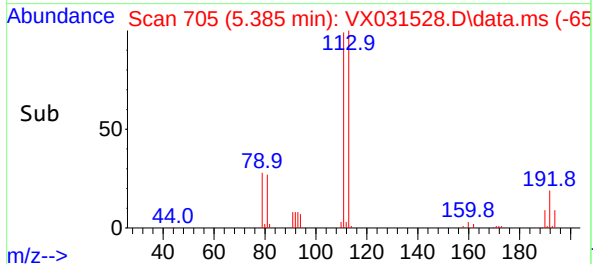
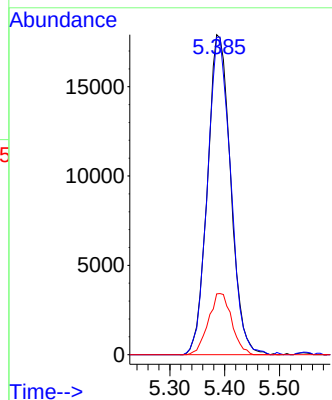
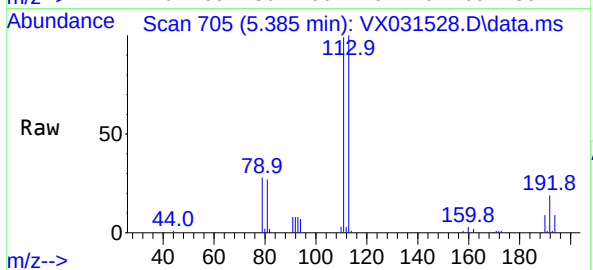




#35
Dibromofluoromethane
Concen: 40.279 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

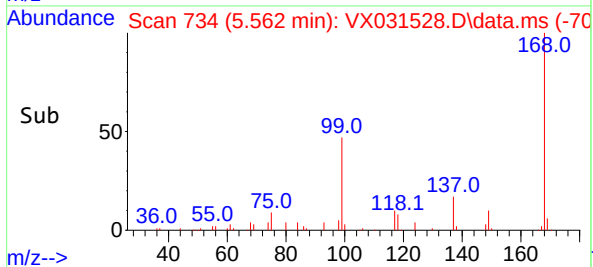
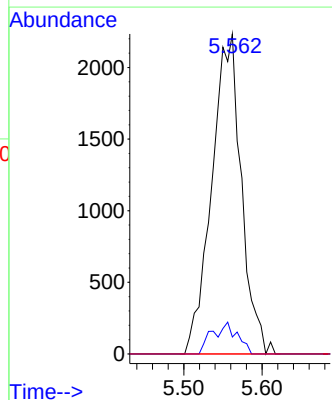
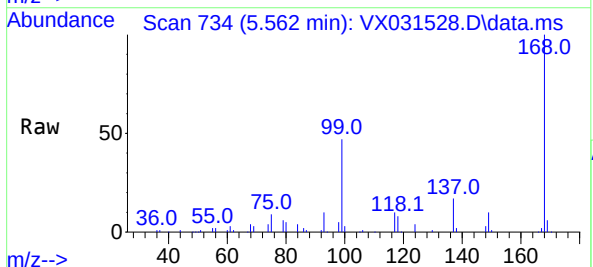
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

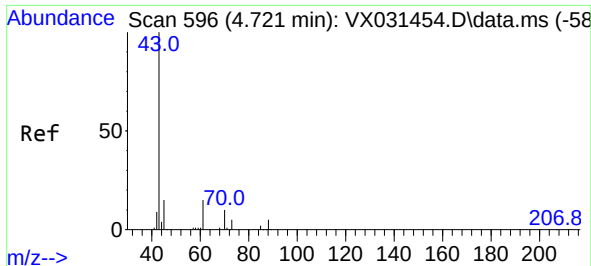
Tgt Ion:113 Resp: 52634
Ion Ratio Lower Upper
113 100
111 98.9 82.4 123.6
192 19.2 14.1 21.1



#36
1,1-Dichloropropene
Concen: 2.926 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 75 Resp: 5860
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.742 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX031528.D

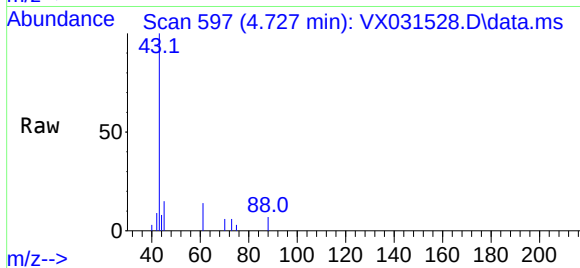
Acq: 21 Sep 2022 16:40

Instrument :

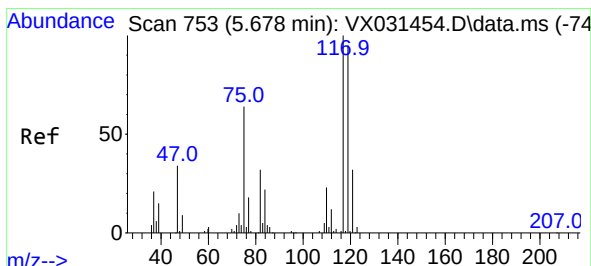
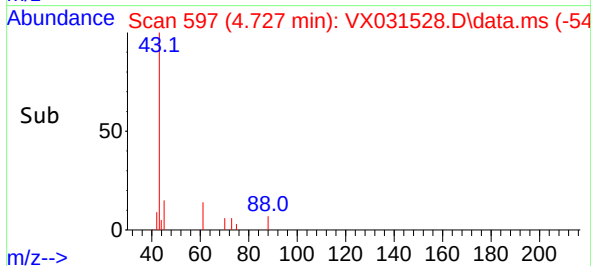
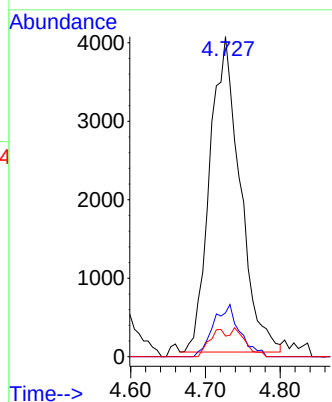
MSVOA_X

ClientSampleId :

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Tgt Ion:	43	Resp:	11328
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	4.7	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.381 ug/l

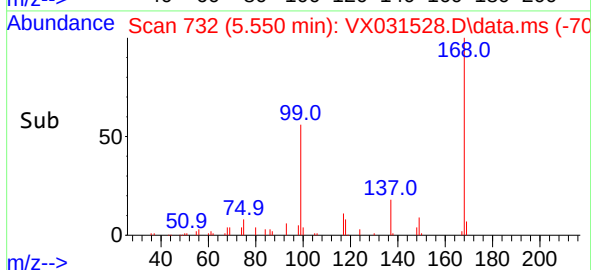
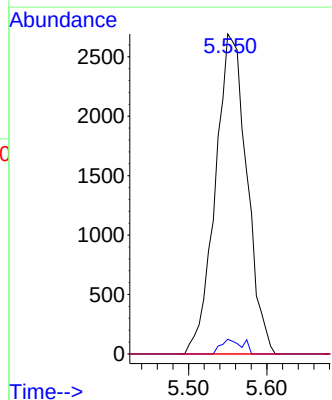
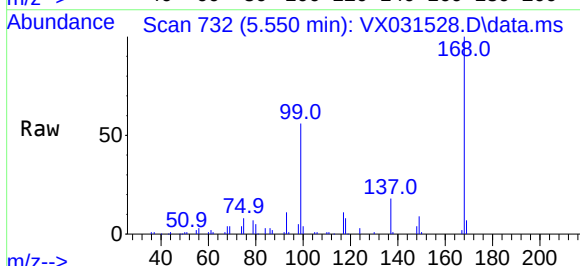
RT: 5.550 min Scan# 732

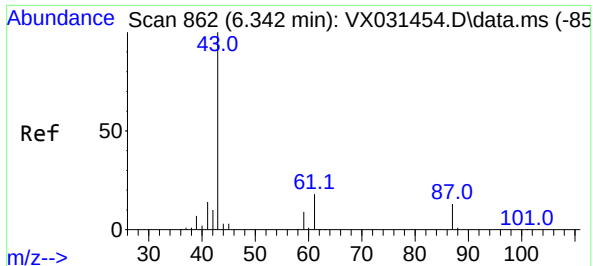
Delta R.T. -0.128 min

Lab File: VX031528.D

Acq: 21 Sep 2022 16:40

Tgt Ion:	117	Resp:	7506
Ion	Ratio	Lower	Upper
117	100		
119	4.6	74.6	112.0
121	0.0	25.3	37.9

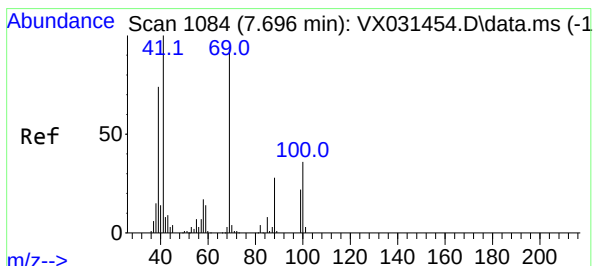
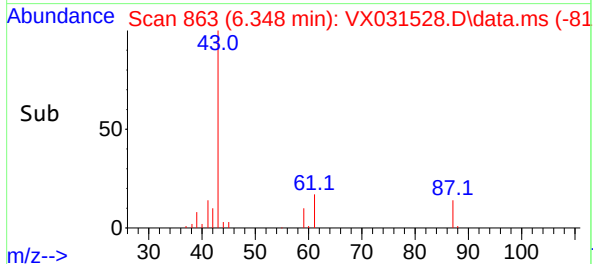
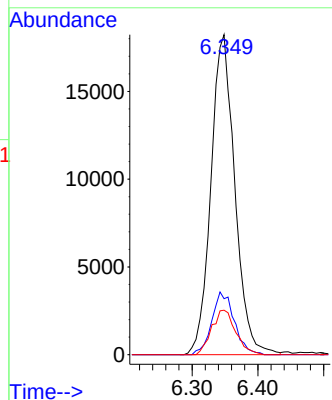
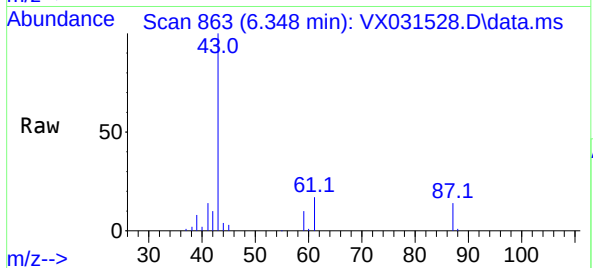




#43
Isopropyl Acetate
Concen: 12.571 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

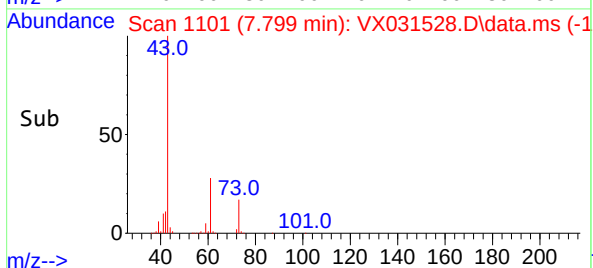
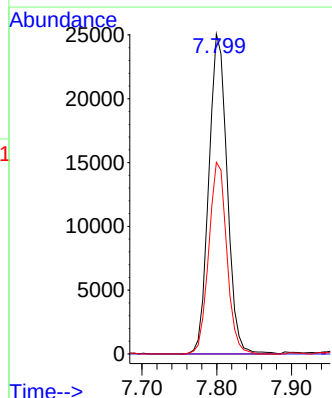
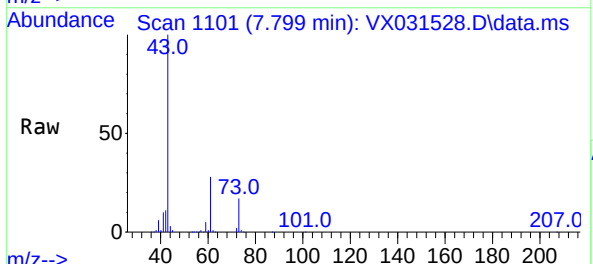
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

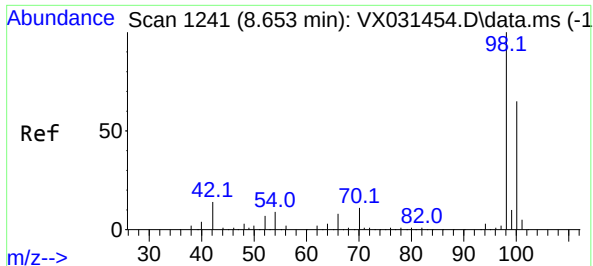
Tgt Ion:	43	Resp:	46160
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.3	22.9
87	14.0	10.6	15.8



#48
Methyl methacrylate
Concen: 25.489 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion:	41	Resp:	42757
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8
39	59.0	51.4	77.0

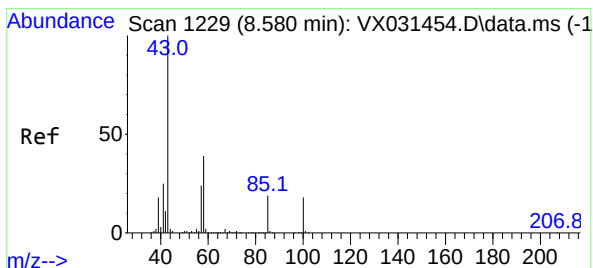
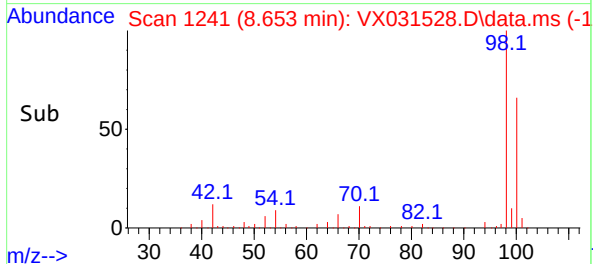
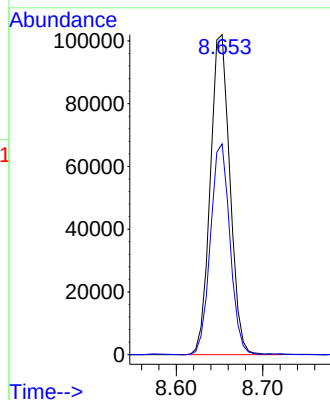
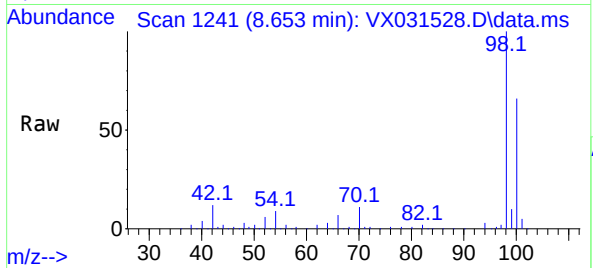




#50
Toluene-d8
Concen: 32.001 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

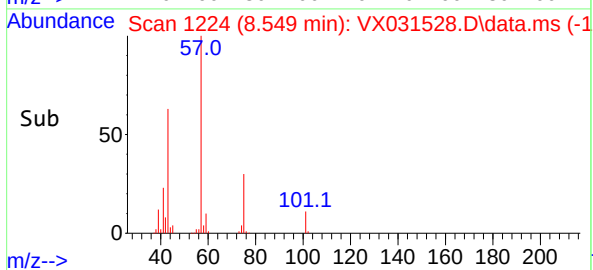
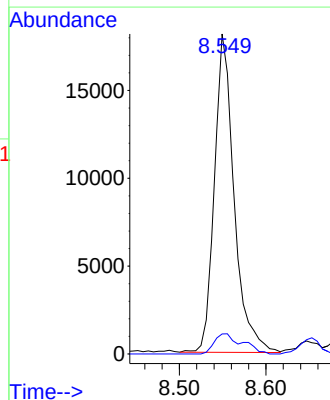
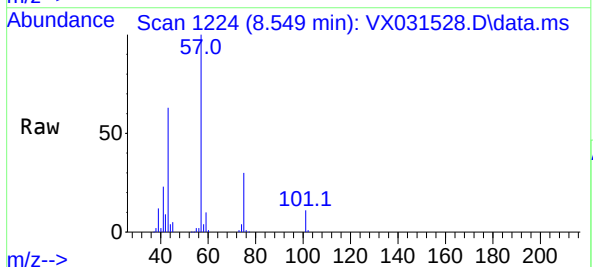
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

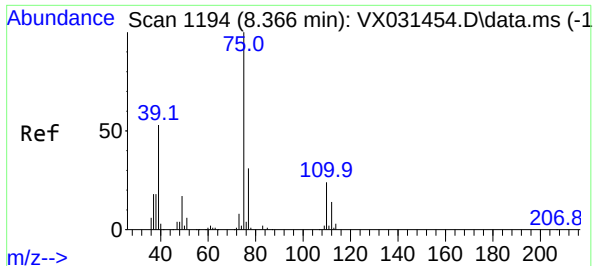
Tgt Ion: 98 Resp: 160625
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 12.140 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 43 Resp: 28670
Ion Ratio Lower Upper
43 100
58 9.0 30.6 46.0#

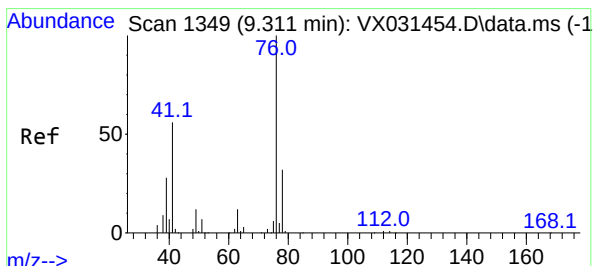
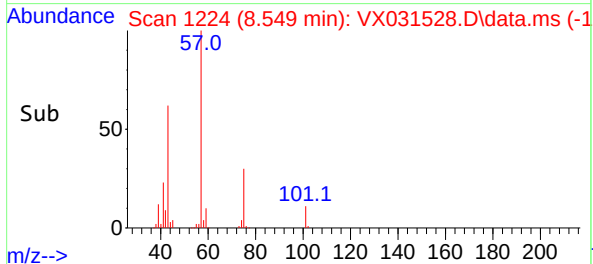
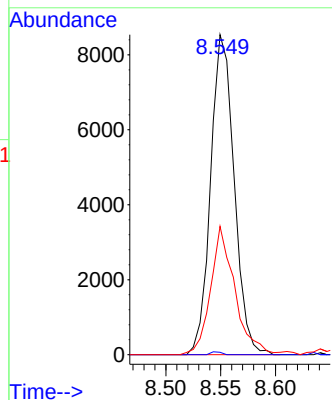
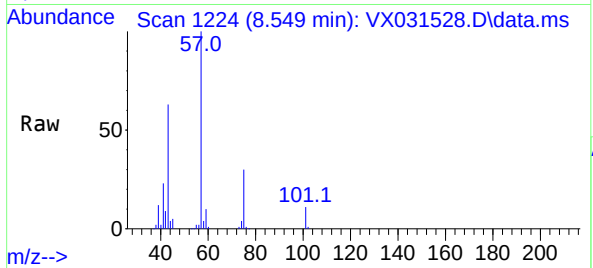




#54
cis-1,3-Dichloropropene
Concen: 5.182 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

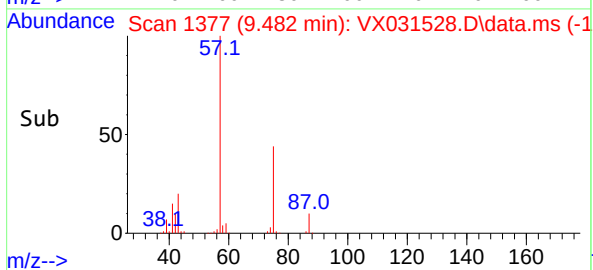
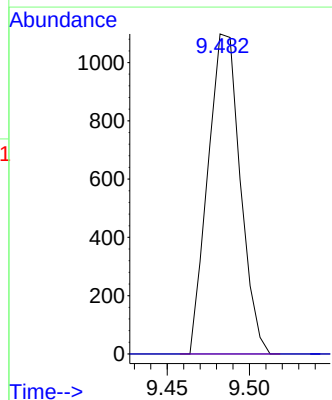
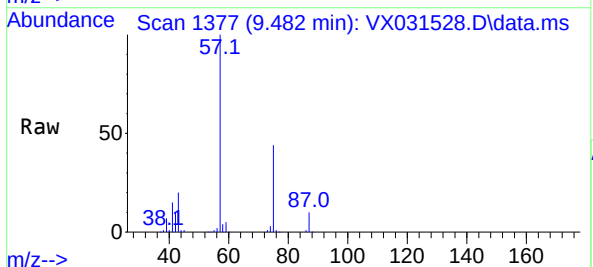
Instrument : MSVOA_X
ClientSampleId : S1-SO_114D-20220902RE

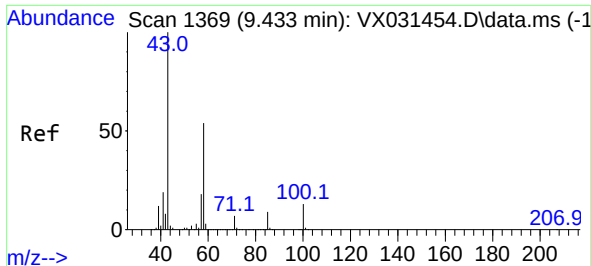
Tgt Ion: 75 Resp: 12746
Ion Ratio Lower Upper
75 100
77 0.7 24.4 36.6#
39 40.1 43.7 65.5#



#57
1,3-Dichloropropane
Concen: 0.571 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 76 Resp: 1504
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 11.294 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX031528.D

Acq: 21 Sep 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

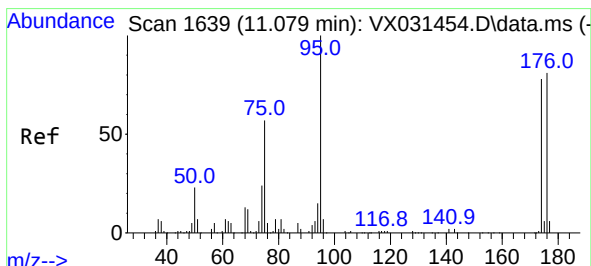
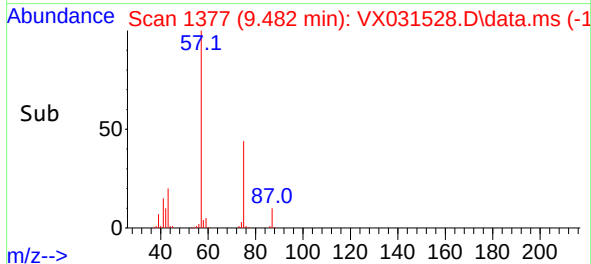
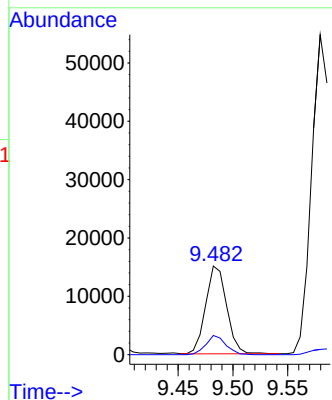
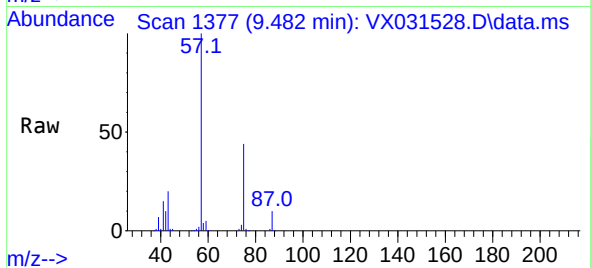
S1-SO_114D-20220902RE

Tgt Ion: 43 Resp: 20032

Ion Ratio Lower Upper

43 100

58 20.7 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 29.205 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031528.D

Acq: 21 Sep 2022 16:40

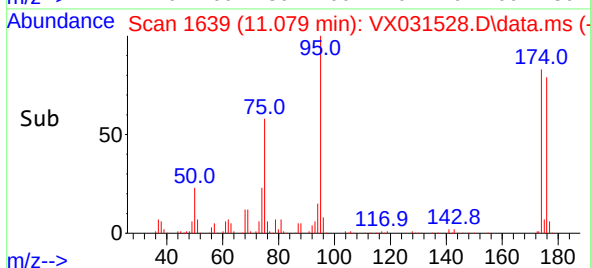
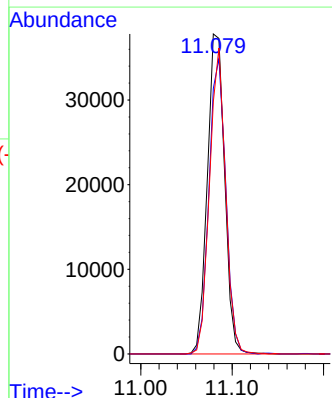
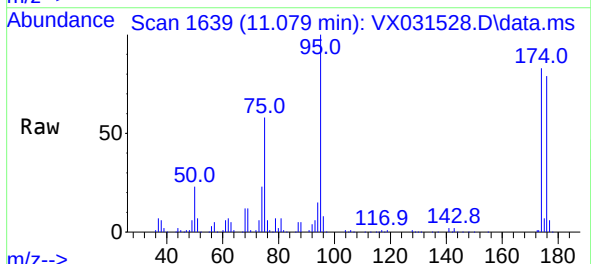
Tgt Ion: 95 Resp: 49654

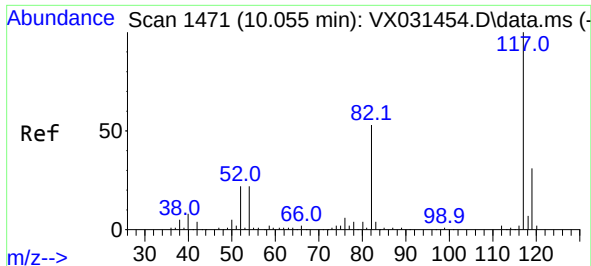
Ion Ratio Lower Upper

95 100

174 89.9 0.0 153.2

176 88.9 0.0 144.0

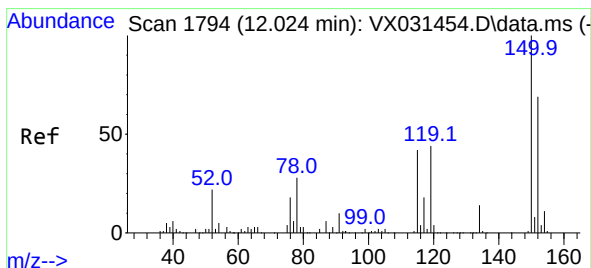
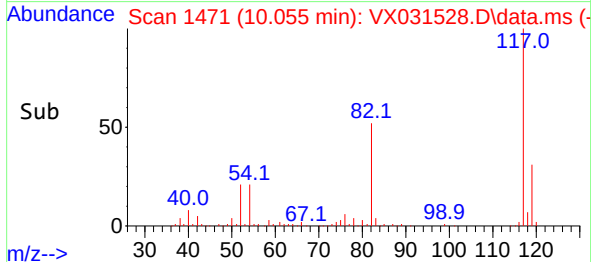
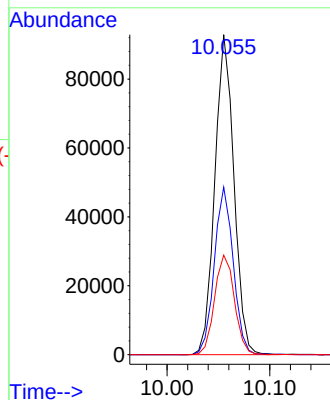
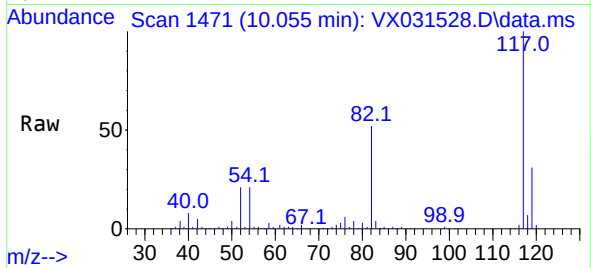




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

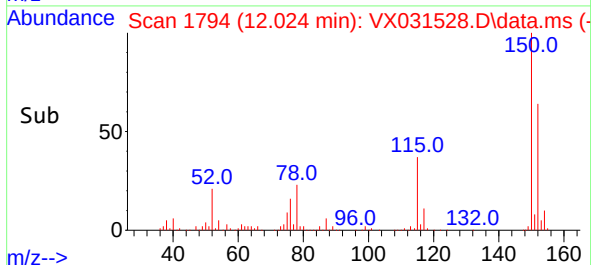
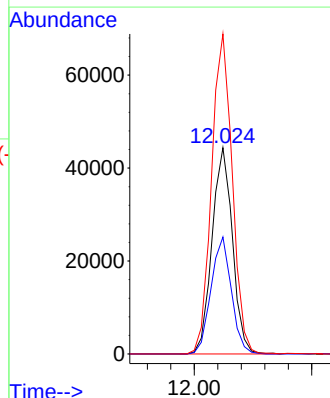
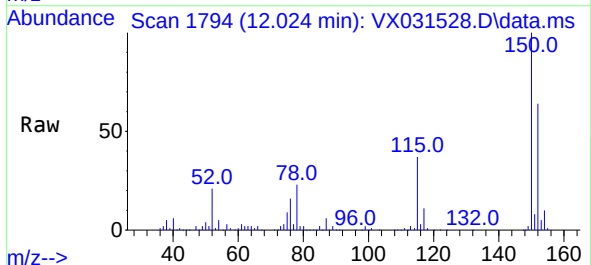
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

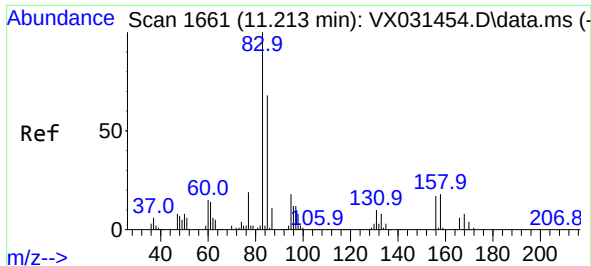
Tgt Ion:117 Resp: 119635
Ion Ratio Lower Upper
117 100
82 52.3 46.8 70.2
119 31.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion:152 Resp: 53485
Ion Ratio Lower Upper
152 100
115 56.4 43.4 130.1
150 157.2 0.0 346.8

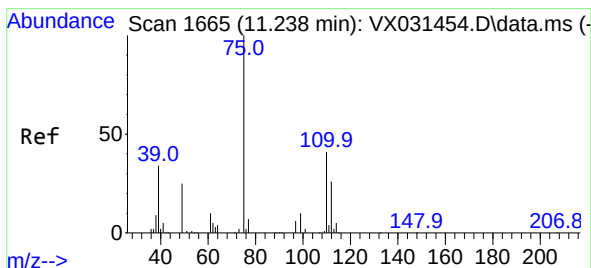
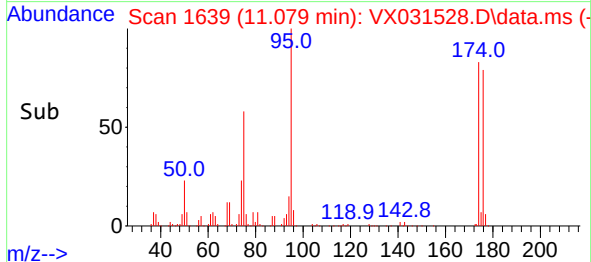
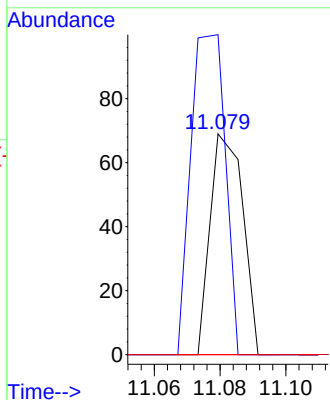
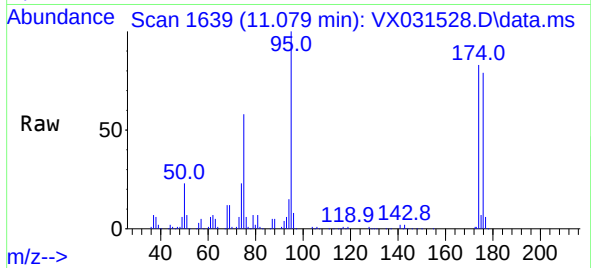




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

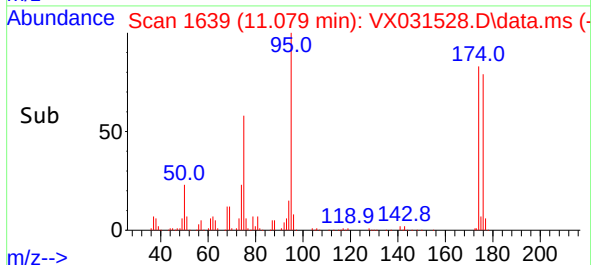
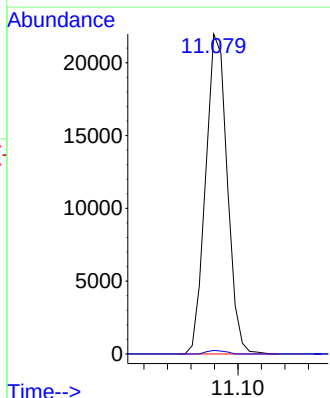
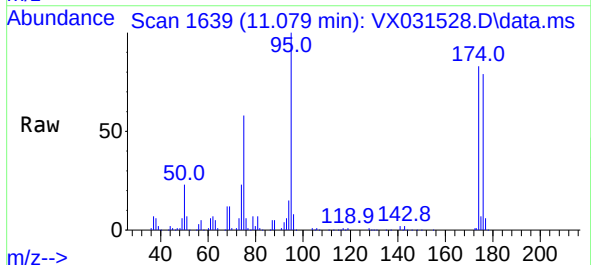
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

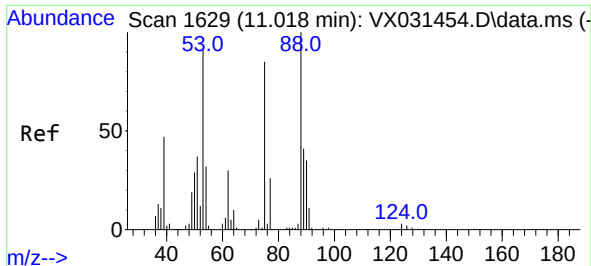
Tgt Ion: 83 Resp: 48
Ion Ratio Lower Upper
83 100
131 152.1 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 23.529 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 75 Resp: 28087
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#

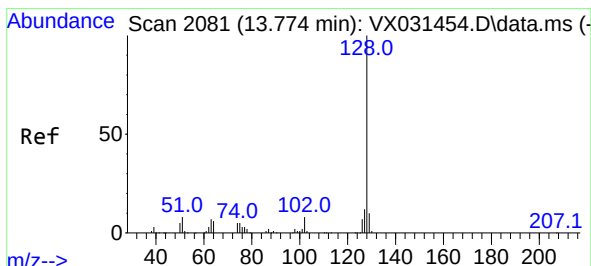
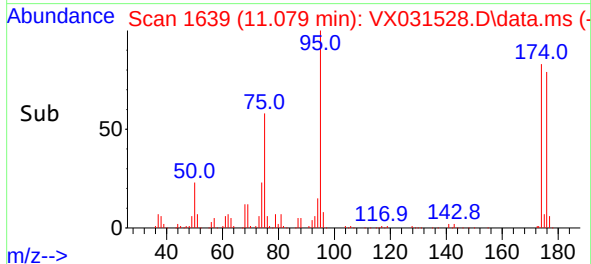
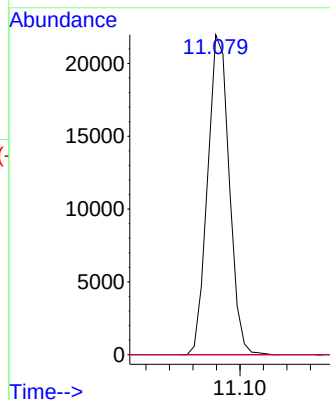
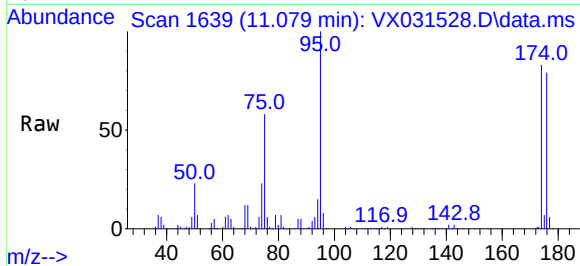




#81
trans-1,4-Dichloro-2-butene
Concen: 75.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_114D-20220902RE

Tgt Ion: 75 Resp: 28087
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 0.322 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031528.D
Acq: 21 Sep 2022 16:40

Tgt Ion: 128 Resp: 1234
Ion Ratio Lower Upper
128 100
127 16.3 10.4 15.6#
129 14.7 8.8 13.2#

