

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042123\
 Data File : VX035235.D
 Acq On : 21 Apr 2023 16:49
 Operator : JC/MD
 Sample : 02403-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Quant Time: Apr 22 01:06:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

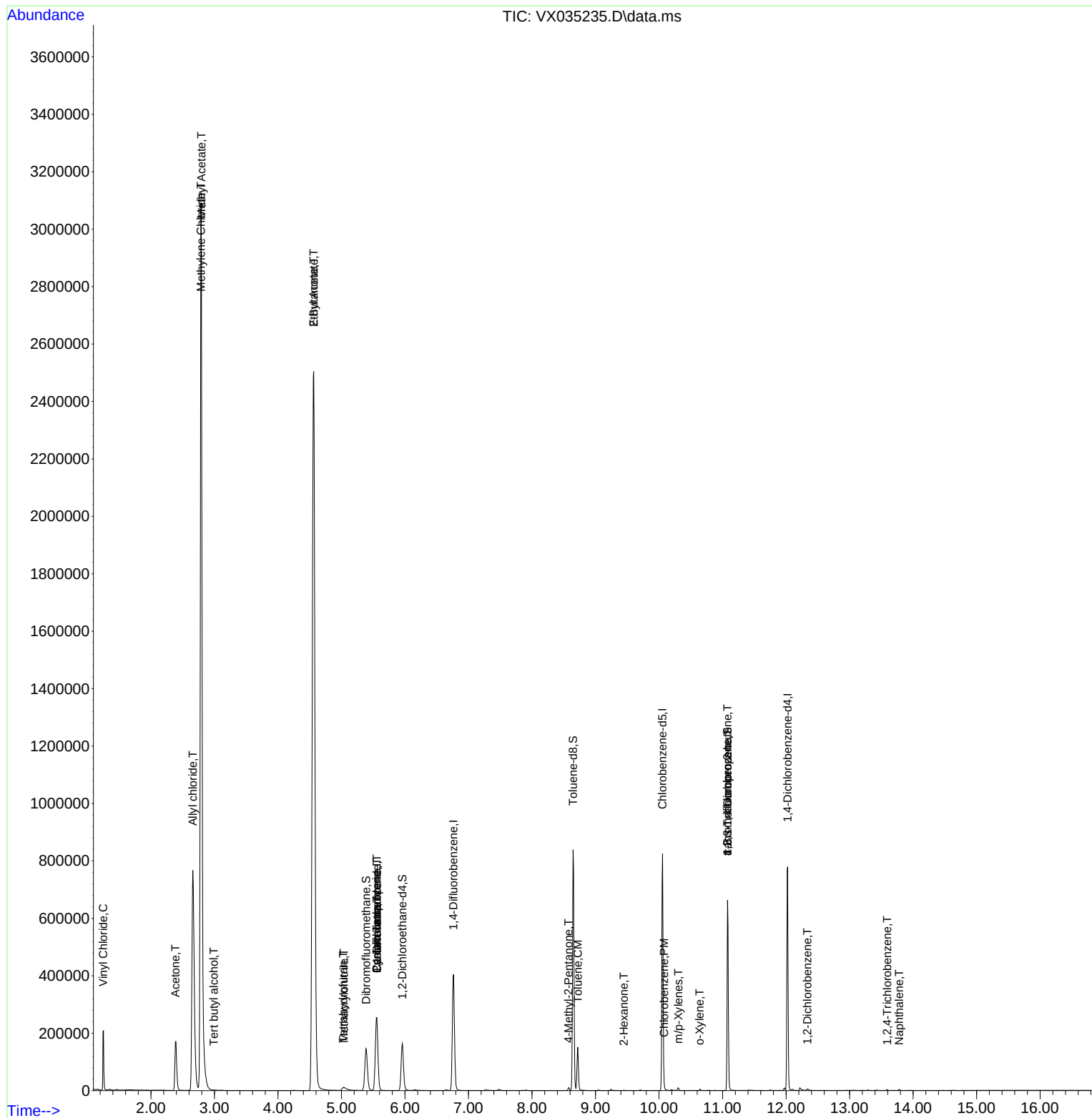
Internal Standards						
1) Pentafluorobenzene	5.556	168	250516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	421191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154771	40.397	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	80.800%
35) Dibromofluoromethane	5.385	113	129058	46.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	8.647	98	496751	48.309	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.620%
62) 4-Bromofluorobenzene	11.079	95	182049	45.751	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.500%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.246	62	1821	0.588	ug/l #	50
11) Tert butyl alcohol	2.989	59	1481	2.203	ug/l #	73
14) Allyl chloride	2.660	41	1058573	210.096	ug/l #	42
16) Acetone	2.386	43	221055	142.030	ug/l	100
18) Methyl Acetate	2.794	43	7354	1.330	ug/l #	84
20) Methylene Chloride	2.788	84	1521956	495.546	ug/l	97
25) 2-Butanone	4.562	43	4621096	2041.137	ug/l	94
29) Tetrahydrofuran	5.025	42	7865	5.545	ug/l	97
31) Cyclohexane	5.556	56	4689	1.005	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18575	4.501	ug/l #	50
37) Ethyl Acetate	4.562	43	4621096	1070.789	ug/l #	70
38) Carbon Tetrachloride	5.556	117	25123	6.456	ug/l #	16
41) Methacrylonitrile	5.038	41	6583	2.805	ug/l #	32
51) 4-Methyl-2-Pentanone	8.574	43	6442	1.508	ug/l	99
52) Toluene	8.720	92	57572	7.453	ug/l	99
59) 2-Hexanone	9.445	43	1233	0.381	ug/l	100
65) Chlorobenzene	10.079	112	1921	0.244	ug/l	94
68) m/p-Xylenes	10.305	106	2329	0.427	ug/l	99
69) o-Xylene	10.640	106	1138	0.213	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	91540	25.978	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	91540	77.853	ug/l #	8
91) 1,2-Dichlorobenzene	12.335	146	1279	0.221	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	698	0.213	ug/l	93
95) Naphthalene	13.780	128	2754	0.237	ug/l #	96

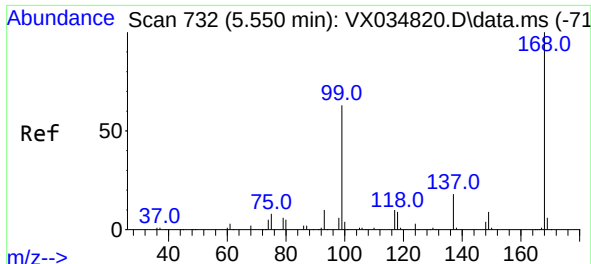
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
Quant Title : SW846 8260
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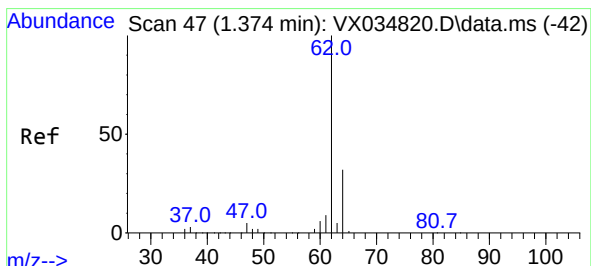
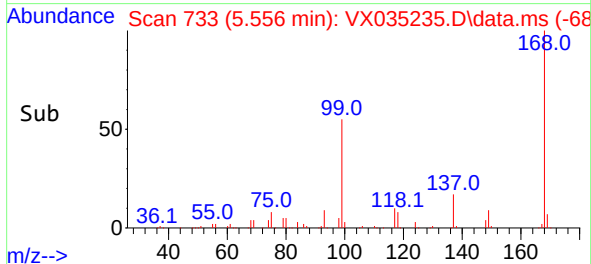
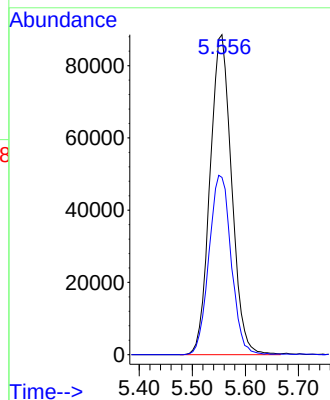
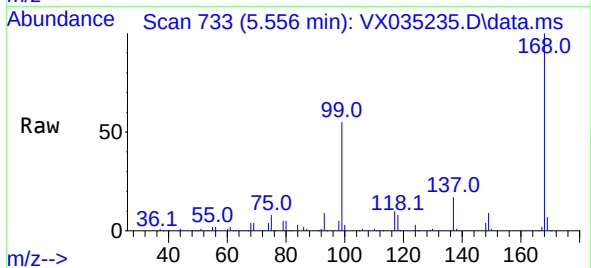




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

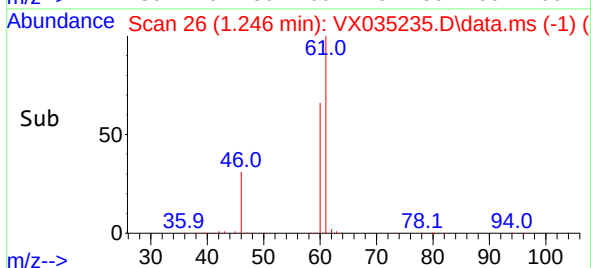
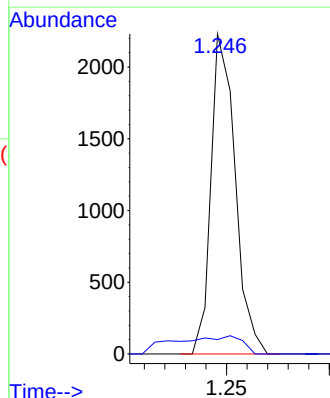
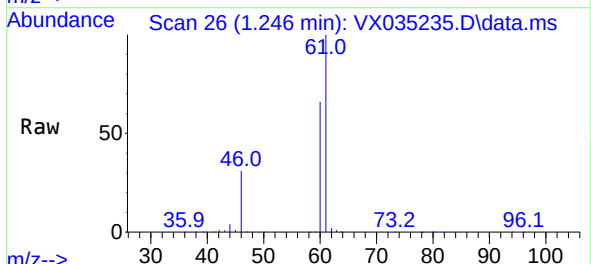
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

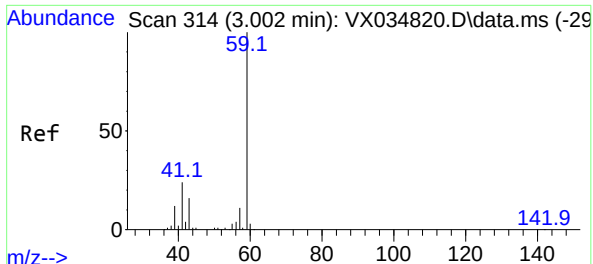
Tgt Ion:168 Resp: 250516
Ion Ratio Lower Upper
168 100
99 55.4 45.7 68.5



#4
Vinyl Chloride
Concen: 0.588 ug/l
RT: 1.246 min Scan# 26
Delta R.T. -0.128 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 62 Resp: 1821
Ion Ratio Lower Upper
62 100
64 4.5 26.4 39.6#

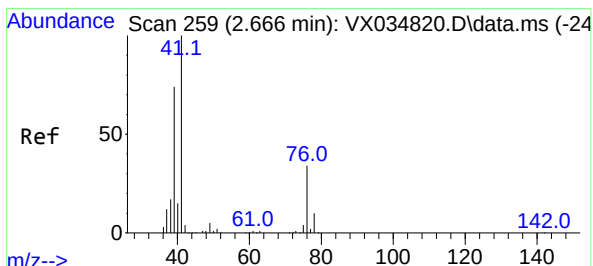
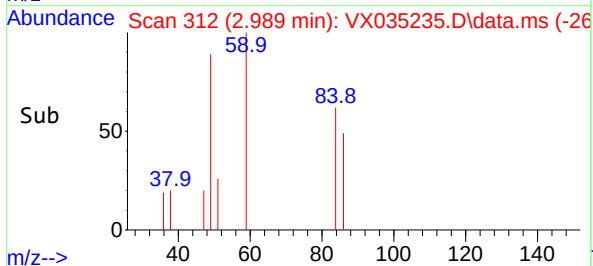
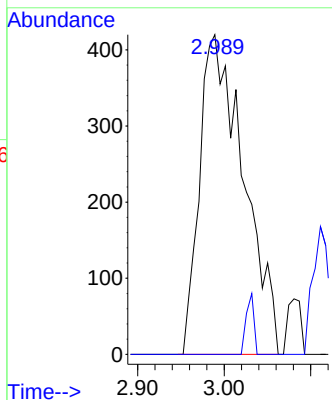
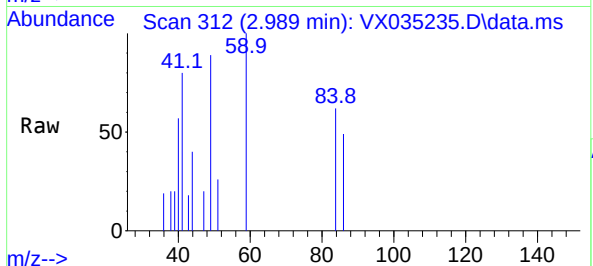




#11
Tert butyl alcohol
Concen: 2.203 ug/l
RT: 2.989 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

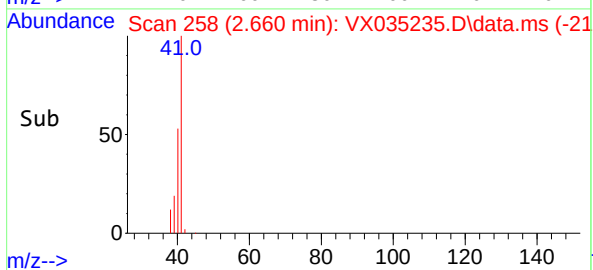
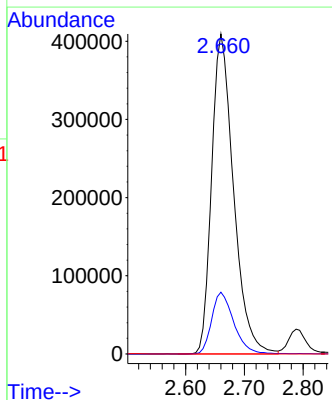
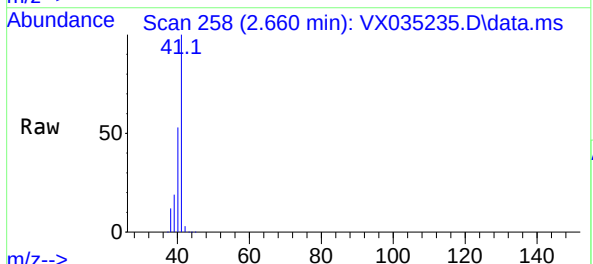
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

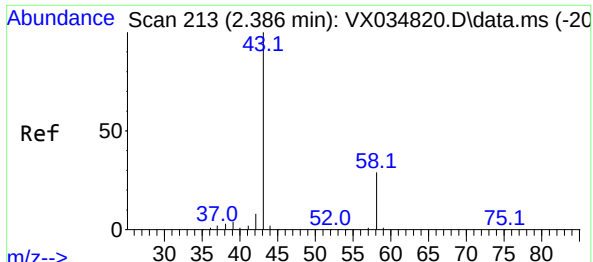
Tgt Ion: 59 Resp: 1481
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#14
Allyl chloride
Concen: 210.096 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 41 Resp: 1058573
Ion Ratio Lower Upper
41 100
39 19.5 52.4 78.6#
76 0.0 26.0 39.0#

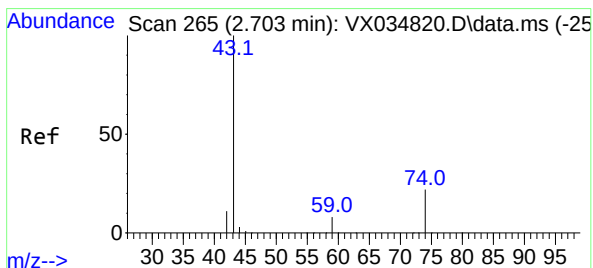
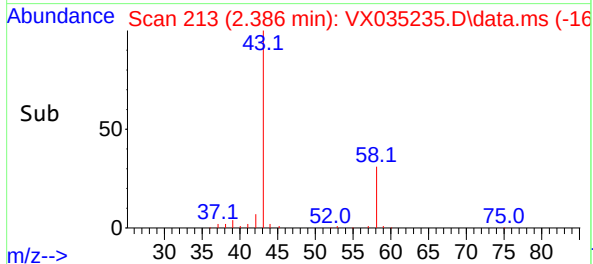
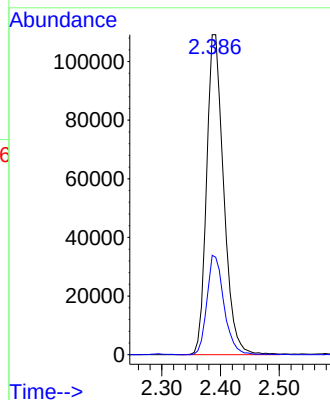
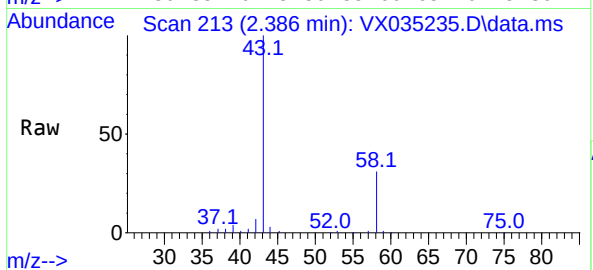




#16
Acetone
Concen: 142.030 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

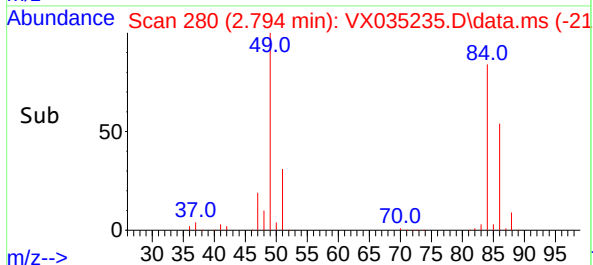
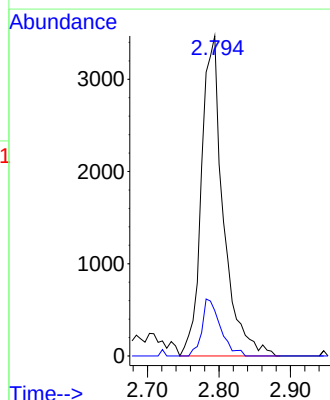
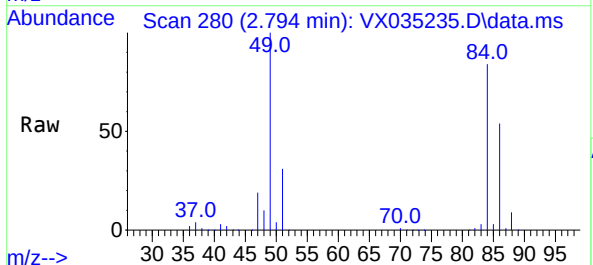
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

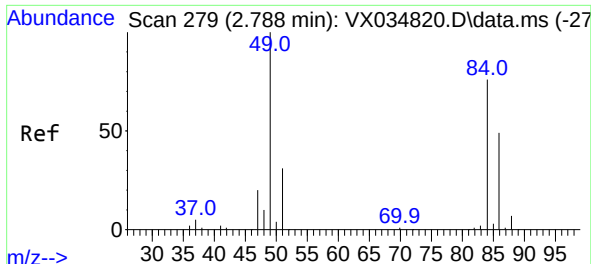
Tgt Ion: 43 Resp: 221055
Ion Ratio Lower Upper
43 100
58 31.1 24.7 37.1



#18
Methyl Acetate
Concen: 1.330 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.091 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

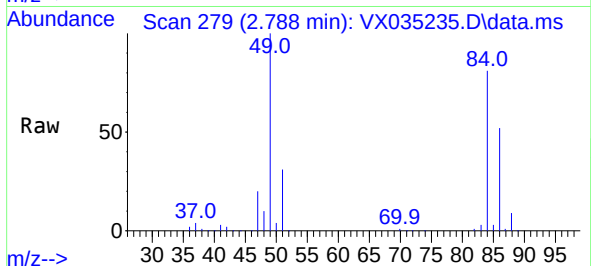
Tgt Ion: 43 Resp: 7354
Ion Ratio Lower Upper
43 100
74 15.1 18.3 27.5#





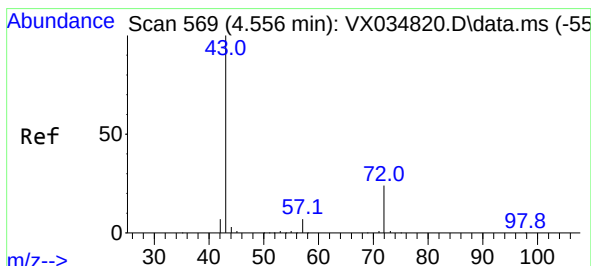
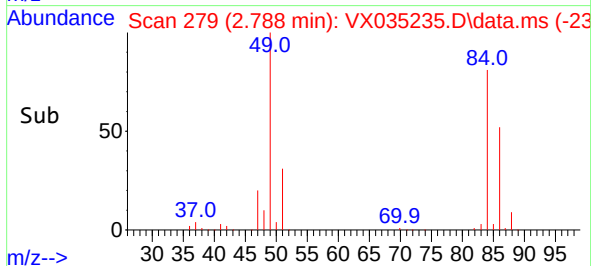
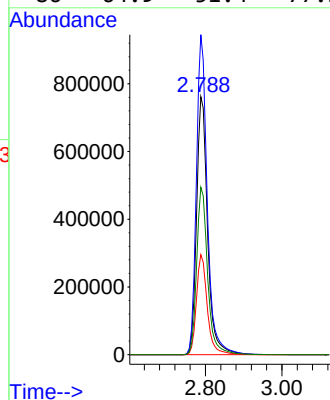
#20
Methylene Chloride
Concen: 495.546 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :
COMP-2



Tgt Ion: 84 Resp: 1521956

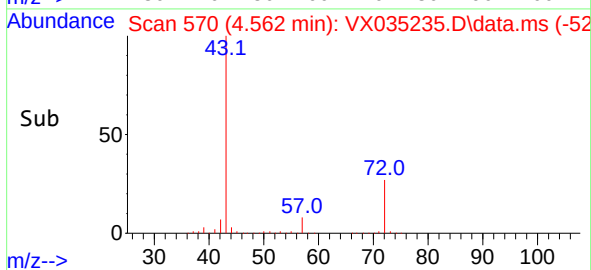
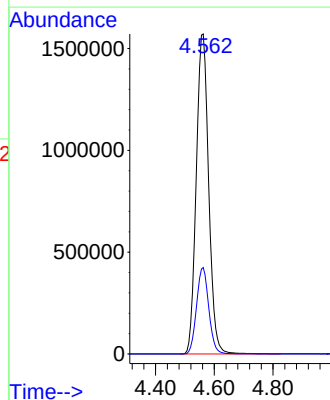
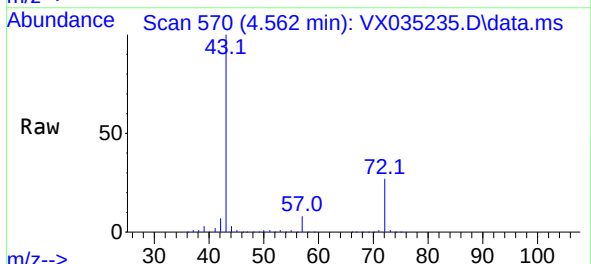
Ion	Ratio	Lower	Upper
84	100		
49	124.1	103.8	155.8
51	38.8	31.8	47.8
86	64.9	51.4	77.2

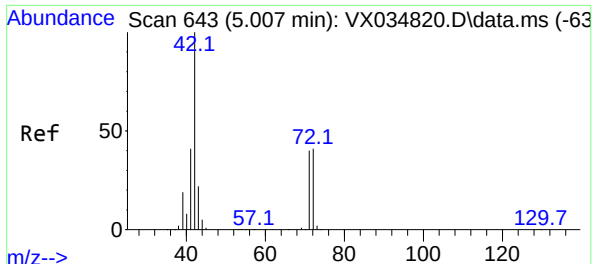


#25
2-Butanone
Concen: 2041.137 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 43 Resp: 4621096

Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.3	28.9





#29

Tetrahydrofuran

Concen: 5.545 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX035235.D

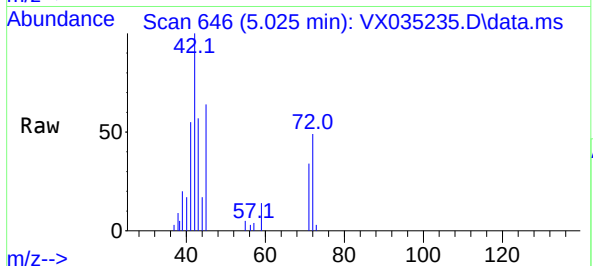
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Instrument :

MSVOA_X

ClientSampleId :

COMP-2



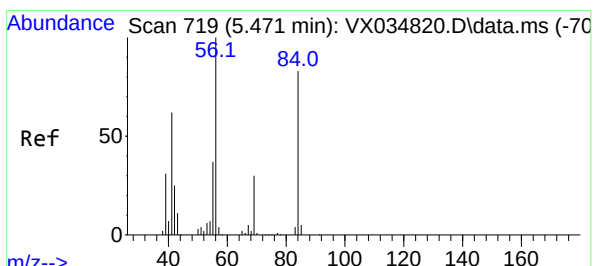
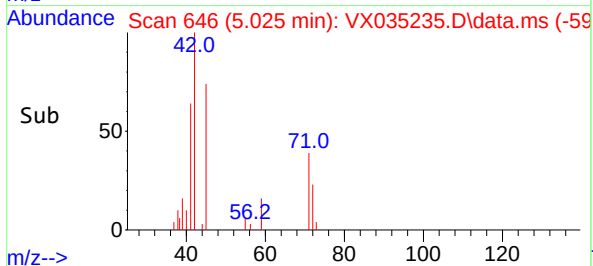
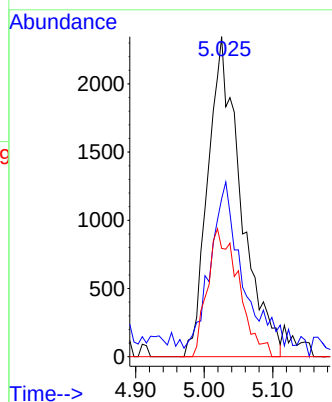
Tgt Ion: 42 Resp: 7865

Ion Ratio Lower Upper

42 100

72 44.6 34.5 51.7

71 37.8 32.1 48.1



#31

Cyclohexane

Concen: 1.005 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX035235.D

Acq: 21 Apr 2023 16:49

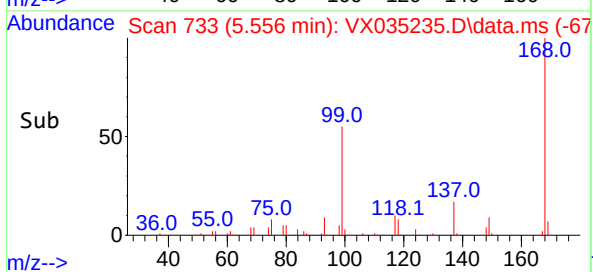
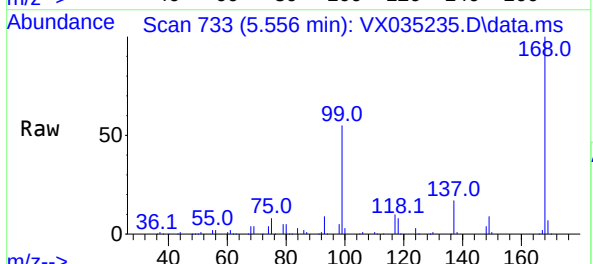
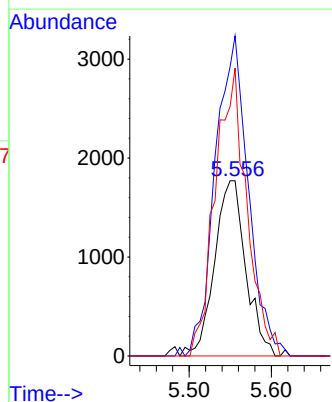
Tgt Ion: 56 Resp: 4689

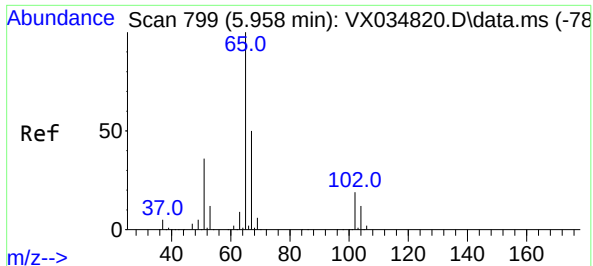
Ion Ratio Lower Upper

56 100

69 177.8 23.7 35.5#

84 164.3 68.5 102.7#

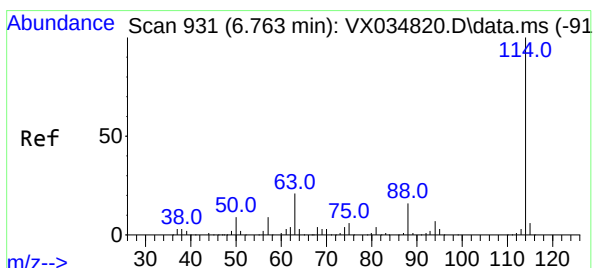
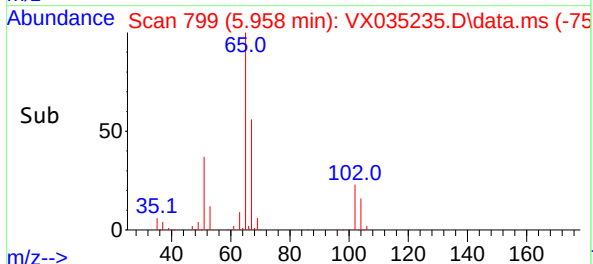
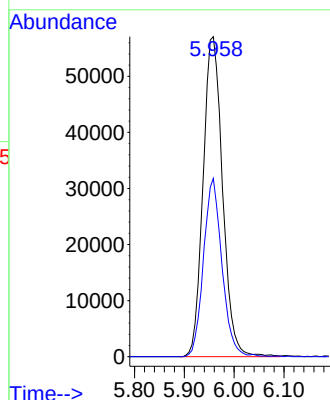
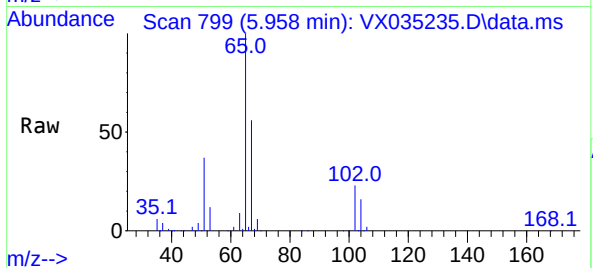




#33
1,2-Dichloroethane-d4
Concen: 40.397 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

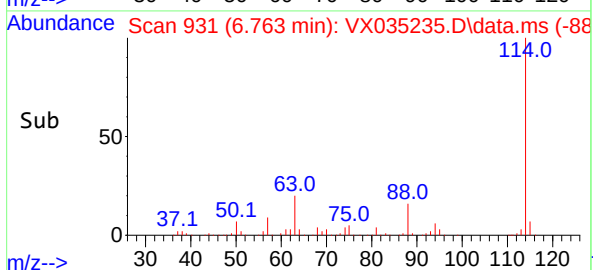
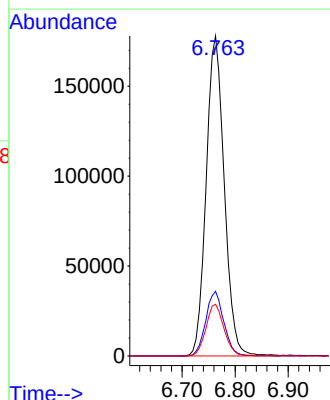
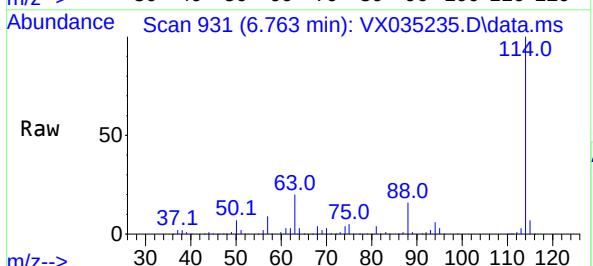
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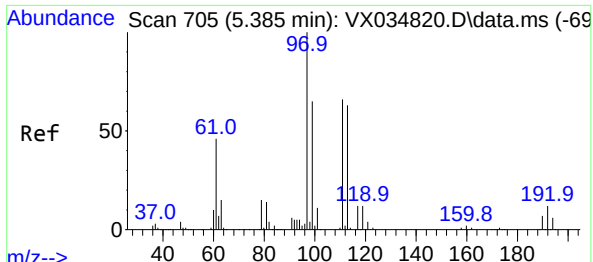
Tgt Ion: 65 Resp: 154771
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 114 Resp: 421191
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.2
88 16.2 0.0 33.2

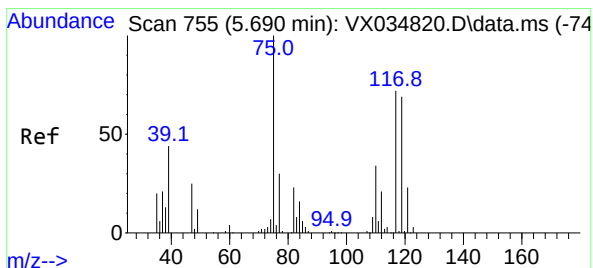
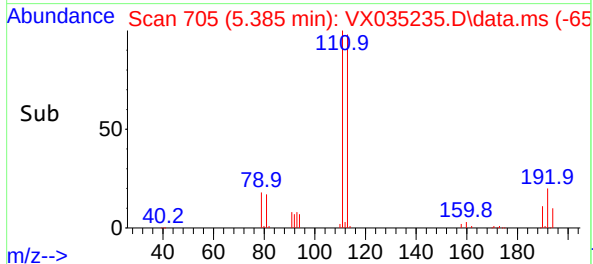
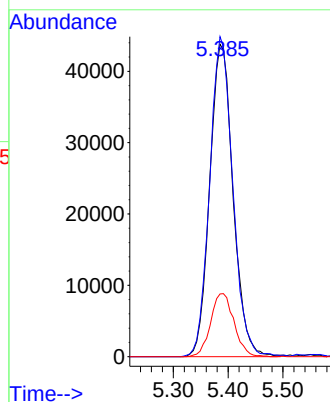
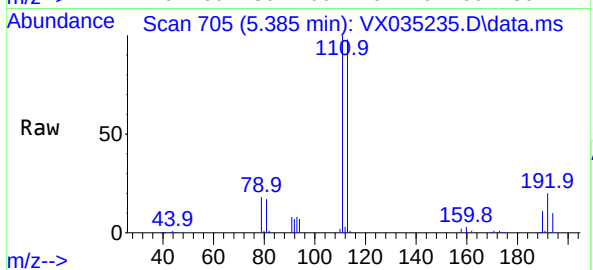




#35
Dibromofluoromethane
Concen: 46.326 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

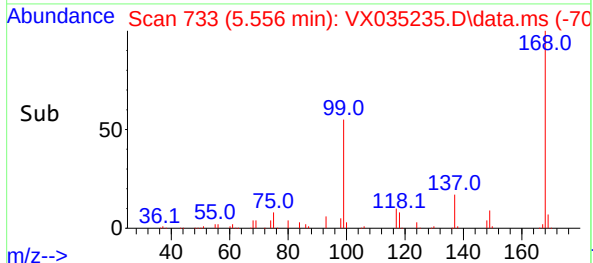
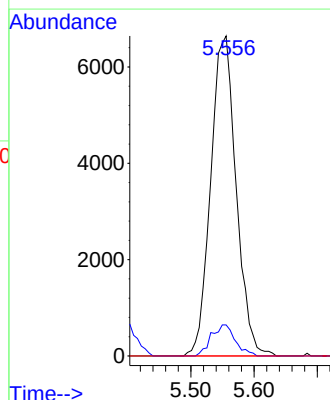
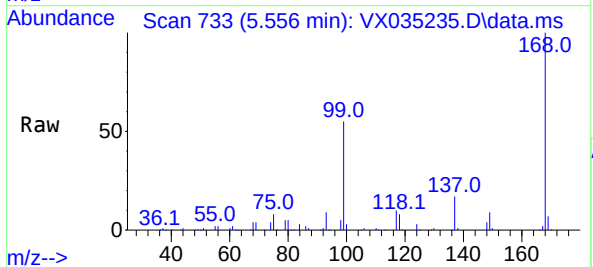
Instrument :
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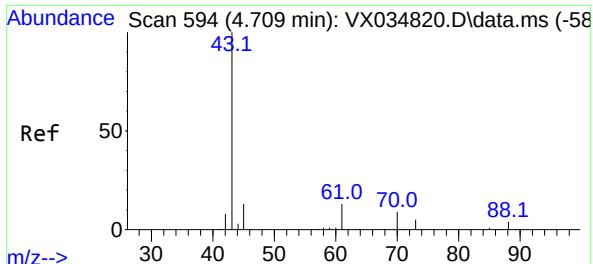
Tgt Ion:113 Resp: 129058
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 20.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 75 Resp: 18575
Ion Ratio Lower Upper
75 100
110 9.2 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1070.789 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX035235.D

Acq: 21 Apr 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

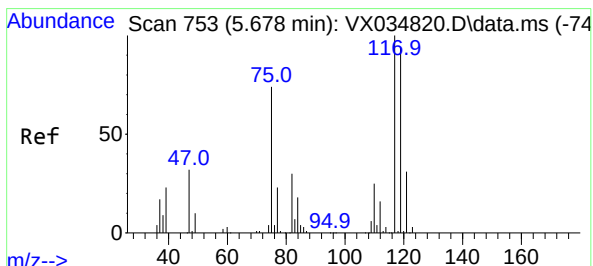
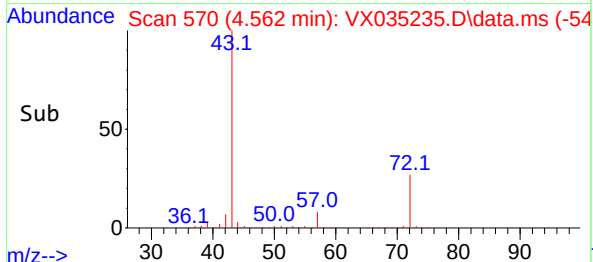
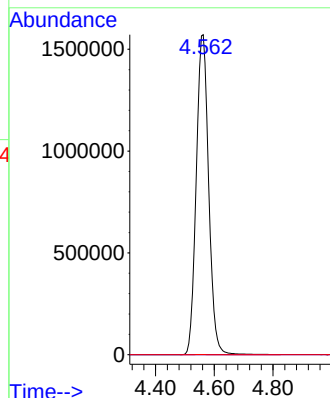
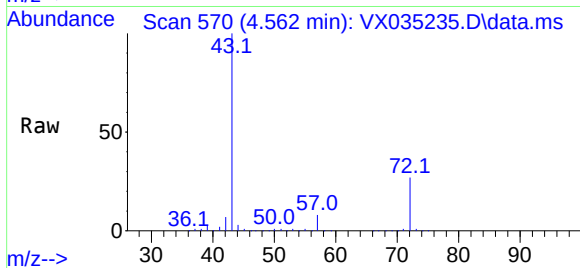
Tgt Ion: 43 Resp: 4621096

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.456 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX035235.D

Acq: 21 Apr 2023 16:49

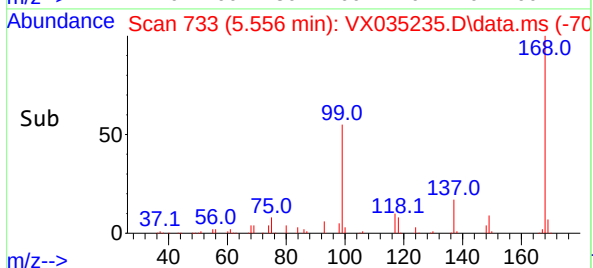
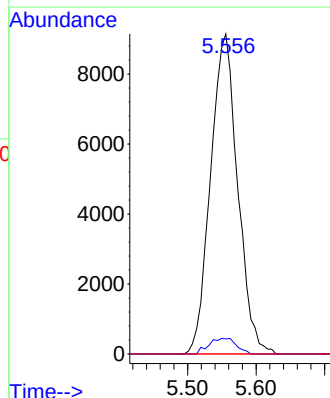
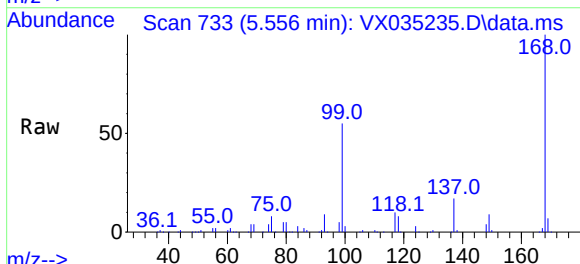
Tgt Ion: 117 Resp: 25123

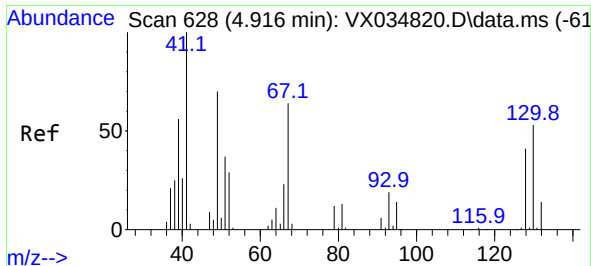
Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

121 0.0 23.8 35.6#

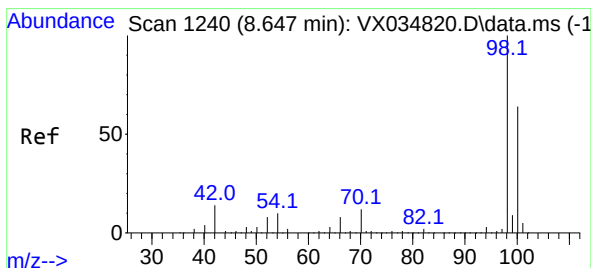
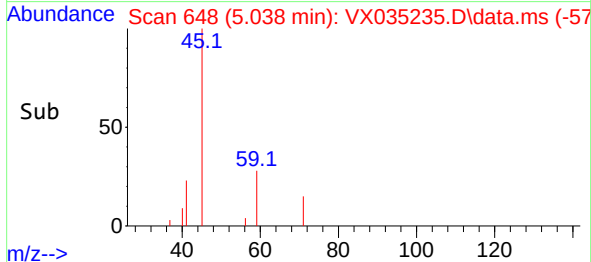
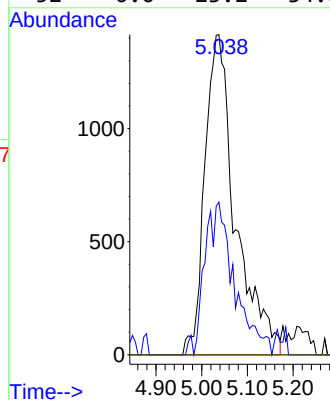
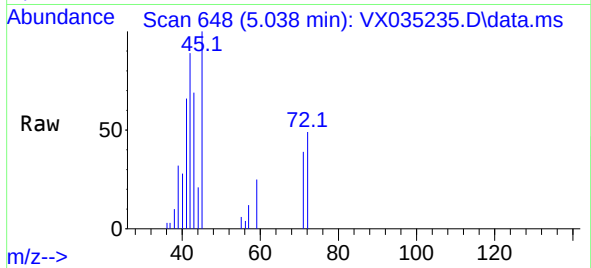




#41
Methacrylonitrile
Concen: 2.805 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.122 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

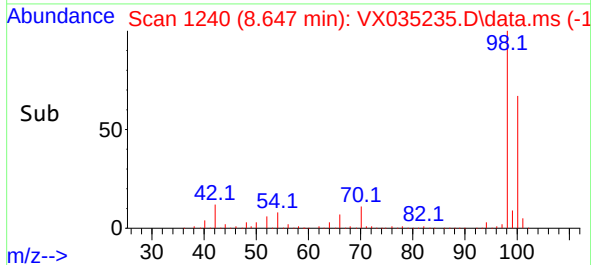
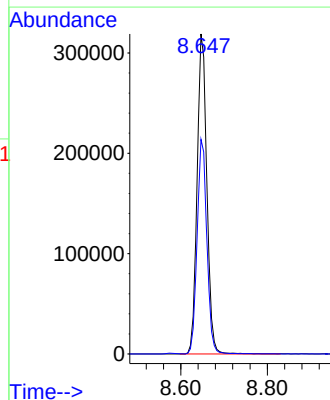
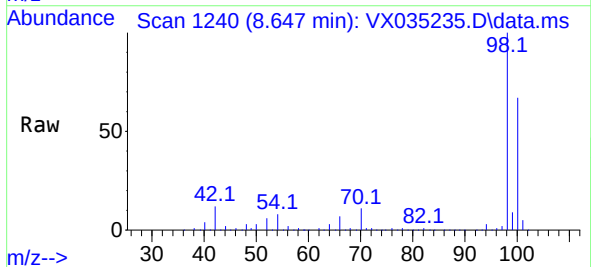
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

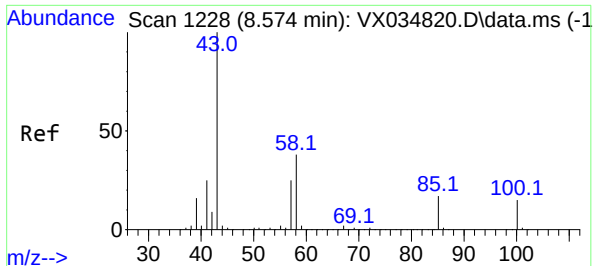
Tgt Ion: 41 Resp: 6583
Ion Ratio Lower Upper
41 100
39 16.0 45.0 67.6#
67 0.0 55.6 83.4#
52 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 48.309 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 98 Resp: 496751
Ion Ratio Lower Upper
98 100
100 67.0 52.5 78.7

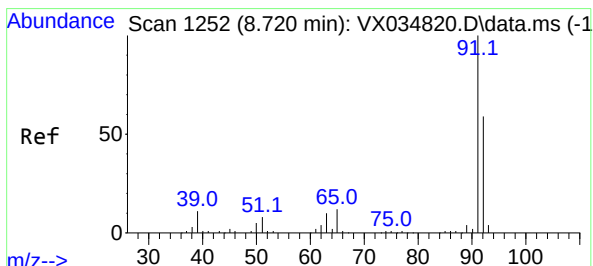
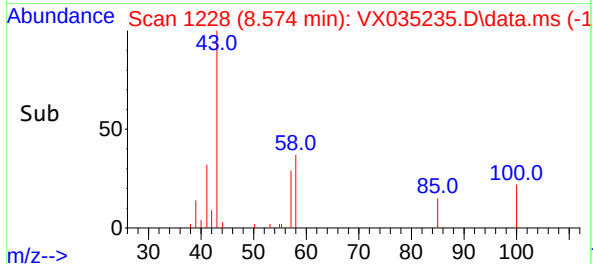
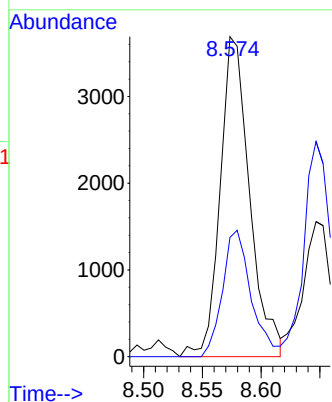
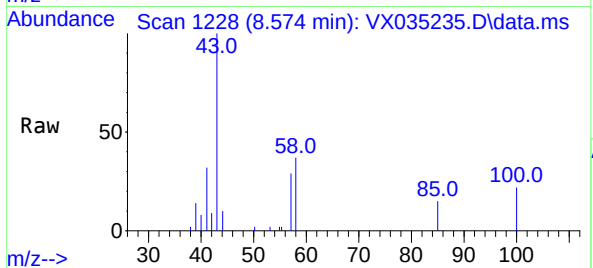




#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

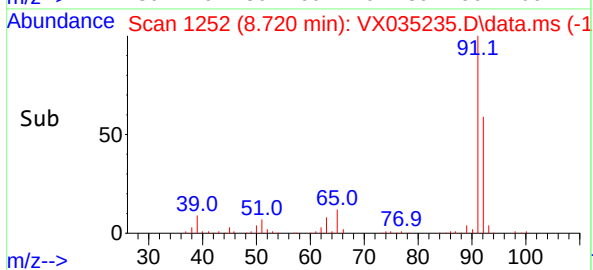
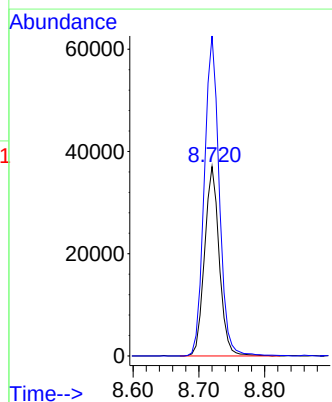
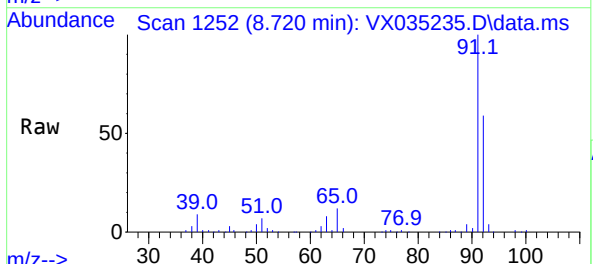
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

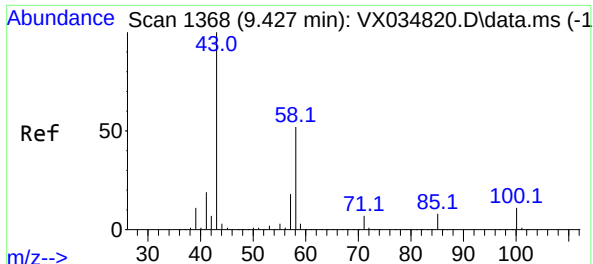
Tgt Ion: 43 Resp: 6442
Ion Ratio Lower Upper
43 100
58 37.8 30.6 46.0



#52
Toluene
Concen: 7.453 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 92 Resp: 57572
Ion Ratio Lower Upper
92 100
91 171.9 136.8 205.2

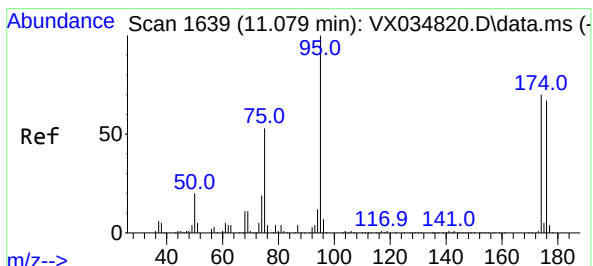
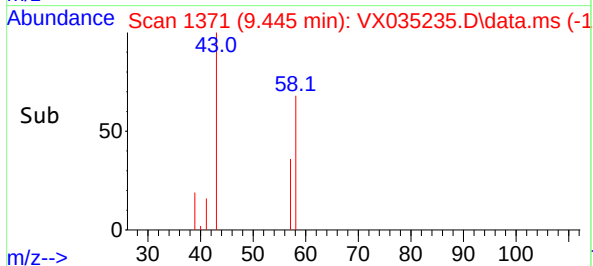
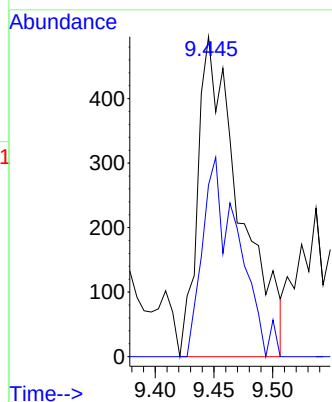
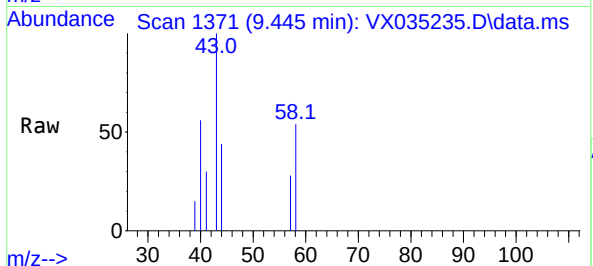




#59
2-Hexanone
Concen: 0.381 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

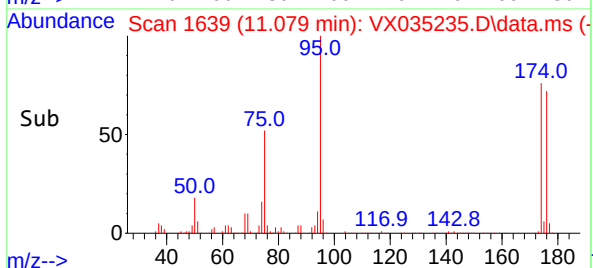
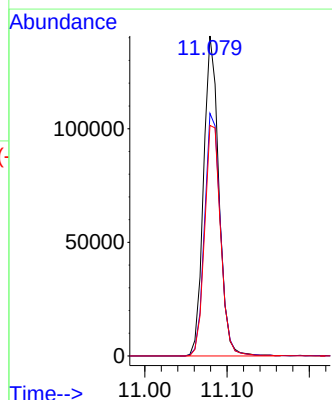
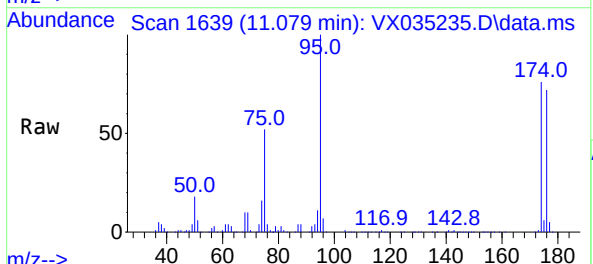
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

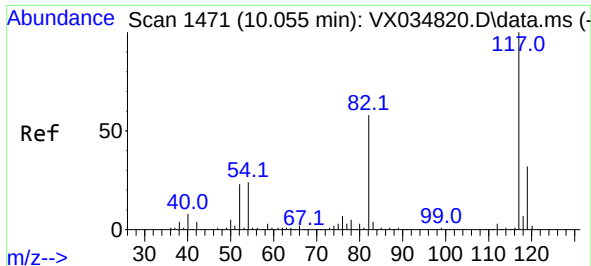
Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 45.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion: 95 Resp: 182049
Ion Ratio Lower Upper
95 100
174 78.5 0.0 147.4
176 75.5 0.0 140.6

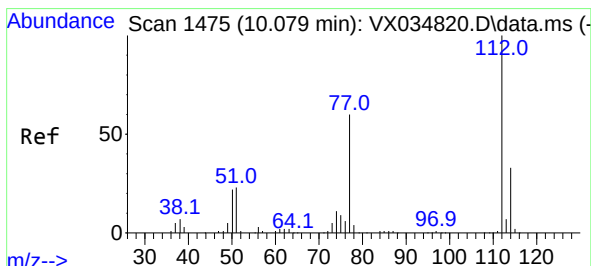
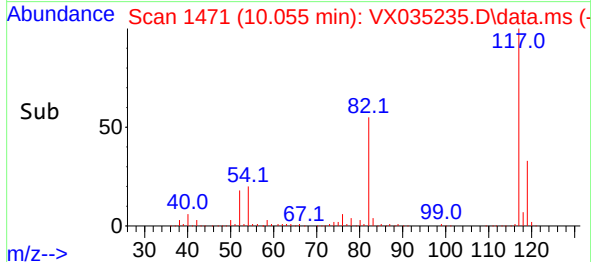
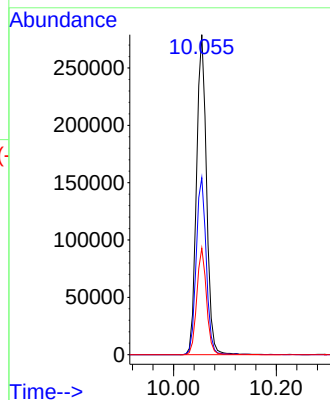
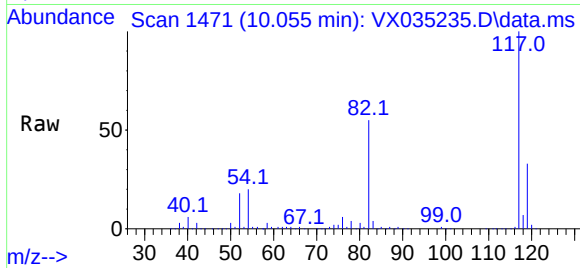




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

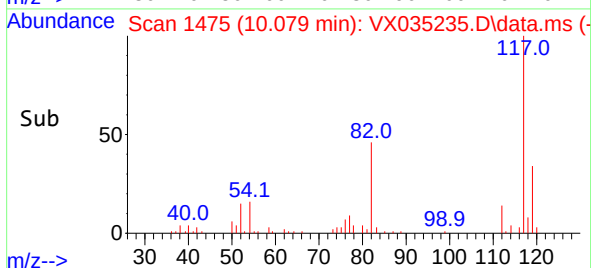
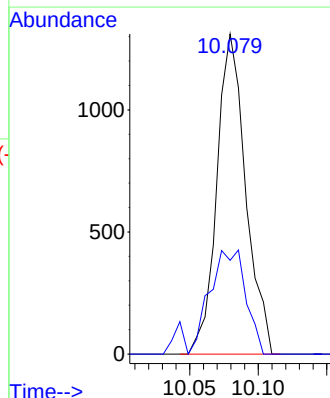
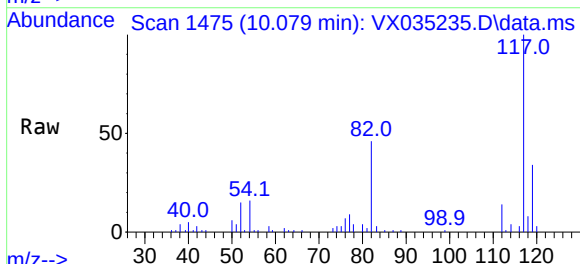
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

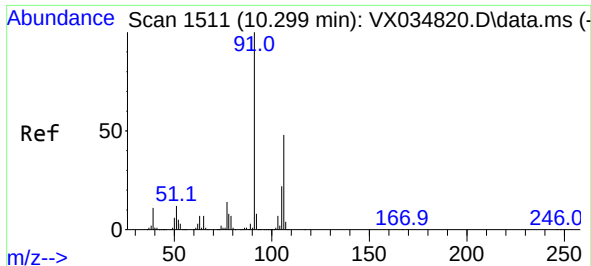
Tgt Ion:117 Resp: 378986
Ion Ratio Lower Upper
117 100
82 55.3 45.0 67.4
119 33.3 26.0 39.0



#65
Chlorobenzene
Concen: 0.244 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion:112 Resp: 1921
Ion Ratio Lower Upper
112 100
114 29.3 26.2 39.2

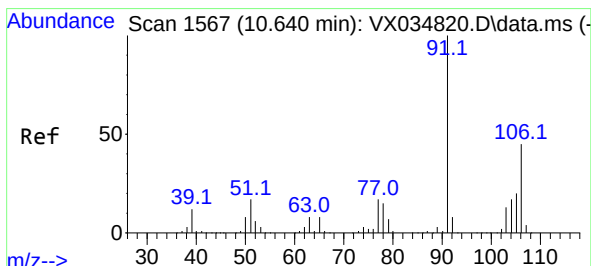
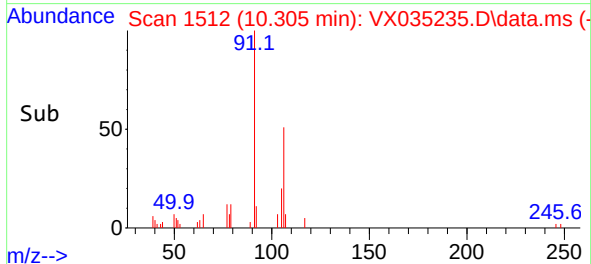
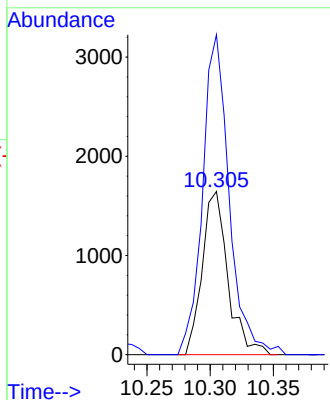
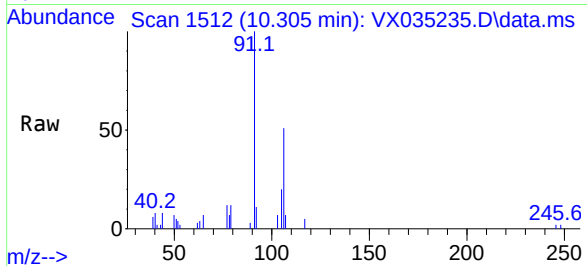




#68
m/p-Xylenes
Concen: 0.427 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

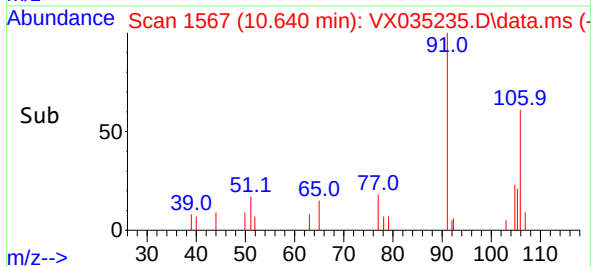
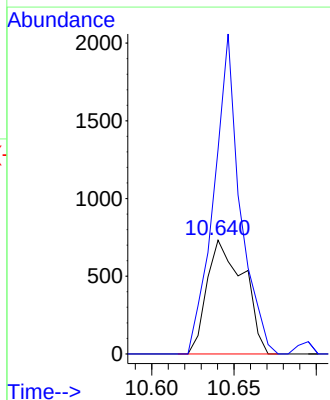
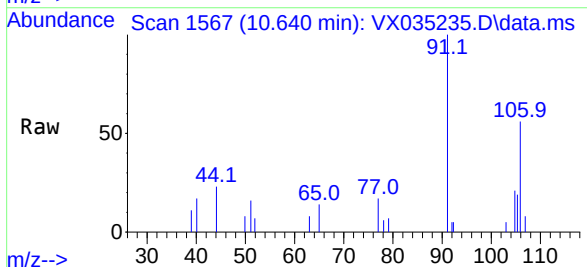
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

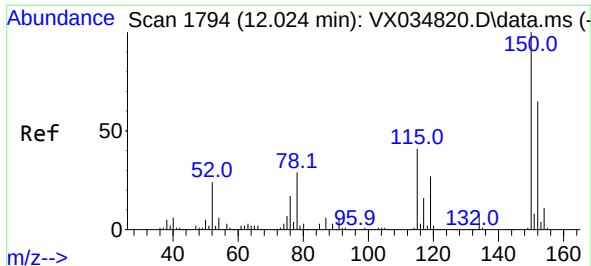
Tgt Ion:106 Resp: 2329
Ion Ratio Lower Upper
106 100
91 202.8 164.0 246.0



#69
o-Xylene
Concen: 0.213 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion:106 Resp: 1138
Ion Ratio Lower Upper
106 100
91 201.8 108.5 325.3

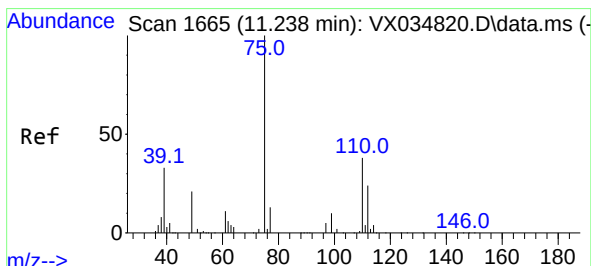
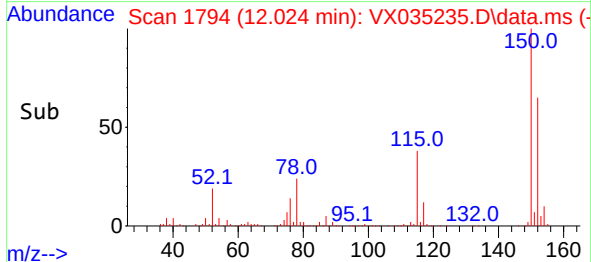
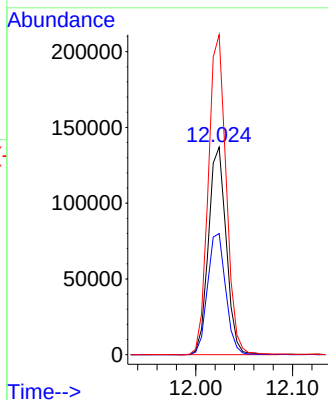
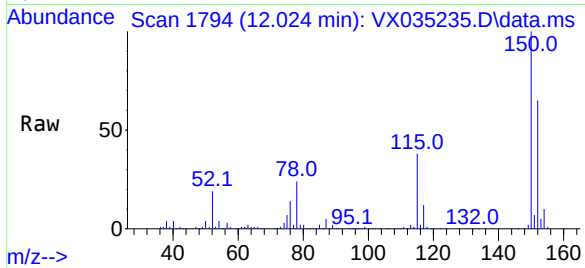




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035235.D
 Acq: 21 Apr 2023 16:49

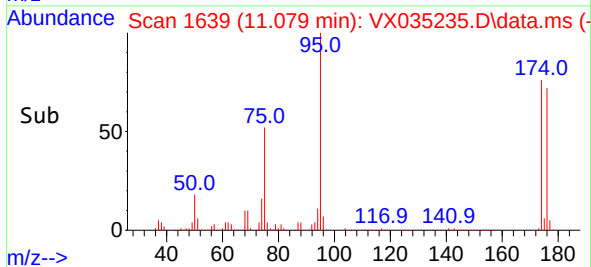
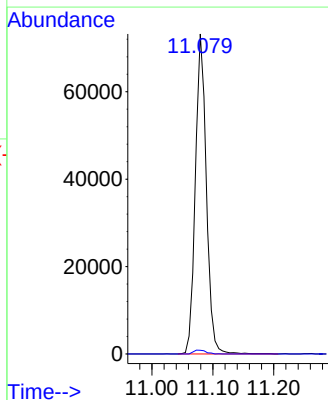
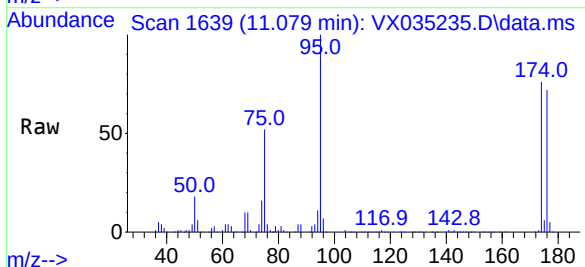
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

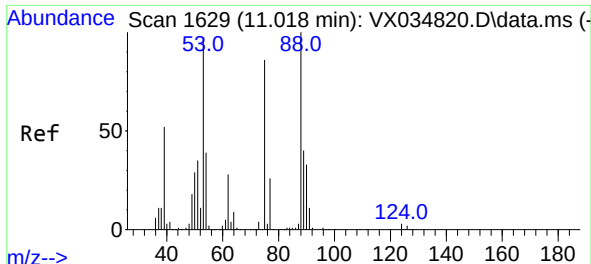
Tgt Ion:152 Resp: 174884
 Ion Ratio Lower Upper
 152 100
 115 59.9 45.0 135.0
 150 155.1 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 25.978 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035235.D
 Acq: 21 Apr 2023 16:49

Tgt Ion: 75 Resp: 91540
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 64.8#

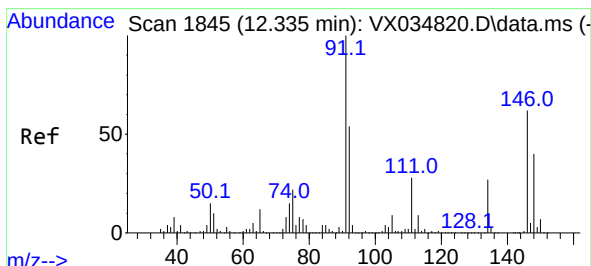
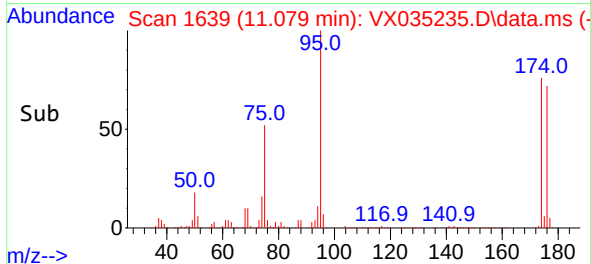
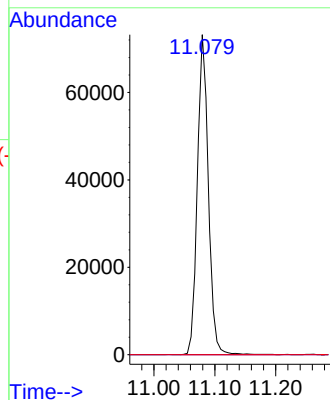
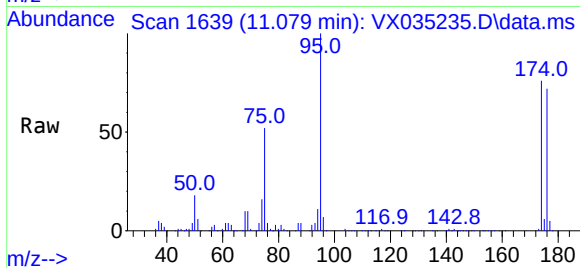




#81
trans-1,4-Dichloro-2-butene
Concen: 77.853 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

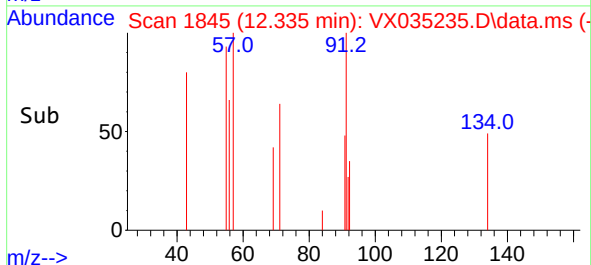
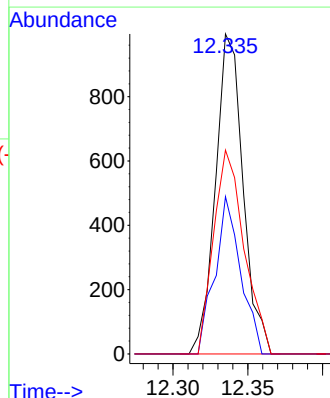
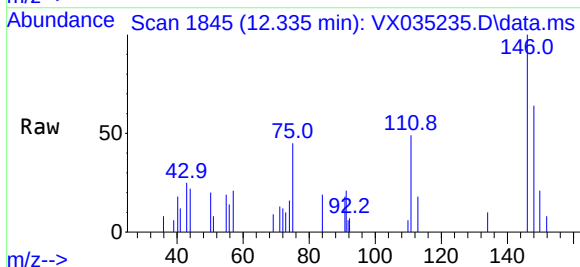
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

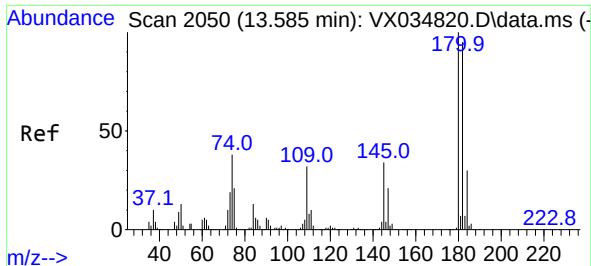
Tgt Ion: 75 Resp: 91540
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#91
1,2-Dichlorobenzene
Concen: 0.221 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion:146 Resp: 1279
Ion Ratio Lower Upper
146 100
111 45.7 22.0 66.0
148 70.5 32.0 96.0

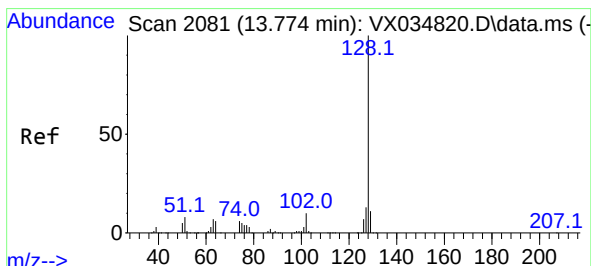
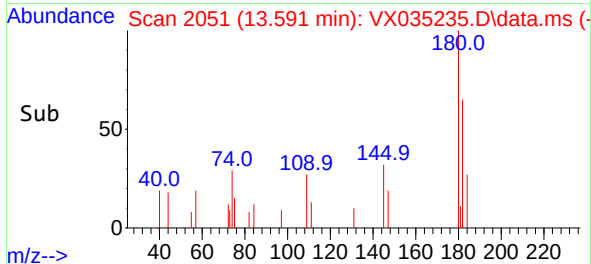
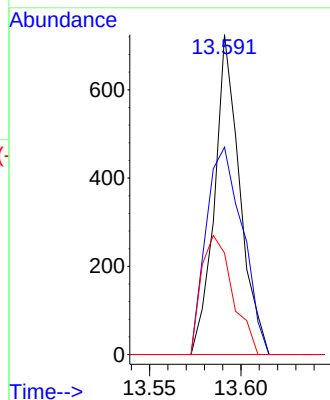
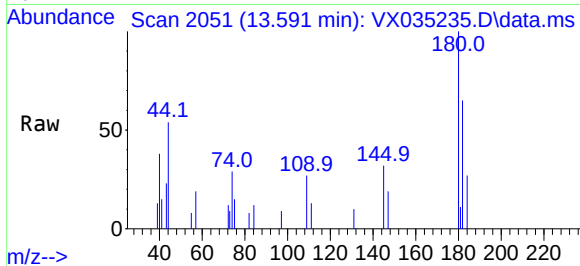




#93
1,2,4-Trichlorobenzene
Concen: 0.213 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :
COMP-2

Tgt Ion:	180	Resp:	698
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.0	141.0
145	46.1	15.9	47.7



#95
Naphthalene
Concen: 0.237 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035235.D
Acq: 21 Apr 2023 16:49

Tgt Ion:	128	Resp:	2754
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	8.3	8.6	13.0

