

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091922\
 Data File : VX031465.D
 Acq On : 19 Sep 2022 17:15
 Operator : JC/MD
 Sample : N4509-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_UNK-20220902

Quant Time: Sep 20 09:49:13 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)

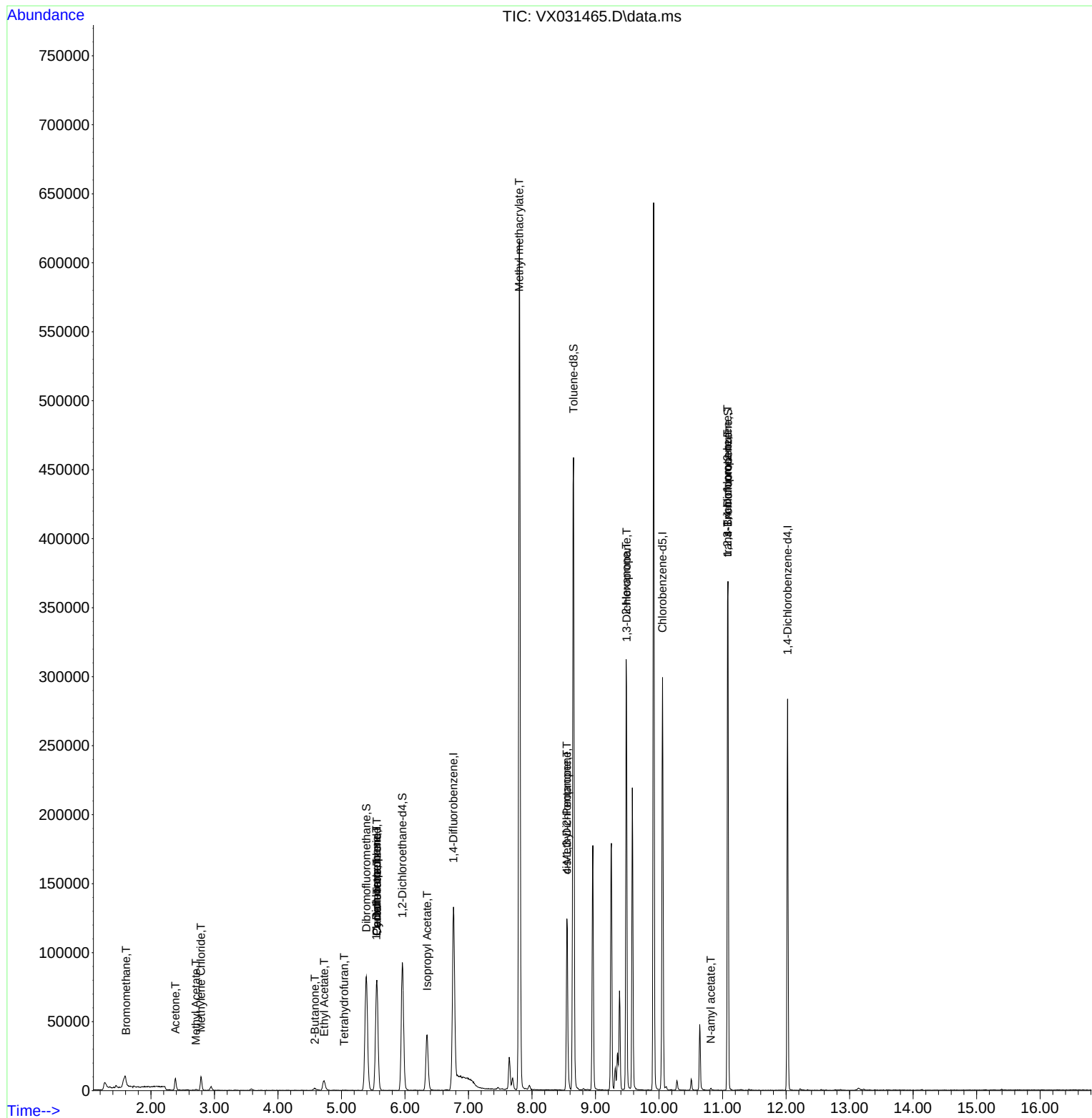
Internal Standards						
1) Pentafluorobenzene	5.556	168	76307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82080	58.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.460%			
35) Dibromofluoromethane	5.391	113	68111	51.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	8.653	98	267924	52.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.700%			
62) 4-Bromofluorobenzene	11.085	95	84308	48.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.260%			
Target Compounds					Qvalue	
5) Bromomethane	1.605	94	646	0.273	ug/l #	64
6) Chloroethane	1.672	64	78	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	1528	Below Cal	#	73
13) Acrolein	2.136	56	20	Below Cal	#	1
16) Acetone	2.386	43	9606	3.912	ug/l	90
18) Methyl Acetate	2.709	43	966	0.462	ug/l #	78
20) Methylene Chloride	2.788	84	3971	0.879	ug/l	96
25) 2-Butanone	4.580	43	1381	1.278	ug/l #	89
29) Tetrahydrofuran	5.044	42	221	0.314	ug/l #	32
31) Cyclohexane	5.556	56	2028	0.977	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	6203	3.038	ug/l #	51
37) Ethyl Acetate	4.727	43	12838	5.270	ug/l #	94
38) Carbon Tetrachloride	5.556	117	7750	3.424	ug/l #	15
43) Isopropyl Acetate	6.348	43	55328	14.777	ug/l	99
48) Methyl methacrylate	7.799	41	53767	31.433	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	43771	18.176	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	19563	7.800	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	2392	0.890	ug/l #	43
59) 2-Hexanone	9.482	43	35016	19.361	ug/l #	51
74) N-amyl acetate	10.817	43	648	0.396	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	11.079	83	140	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	48580	40.285	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	48580	129.711	ug/l #	11

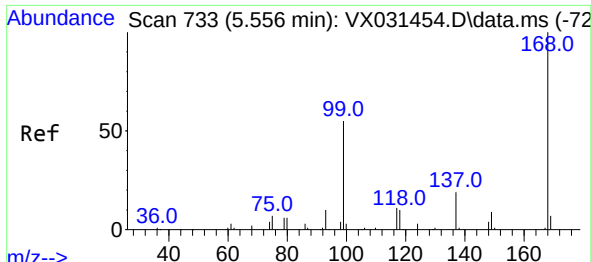
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX031465.D
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Sample : N4509-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

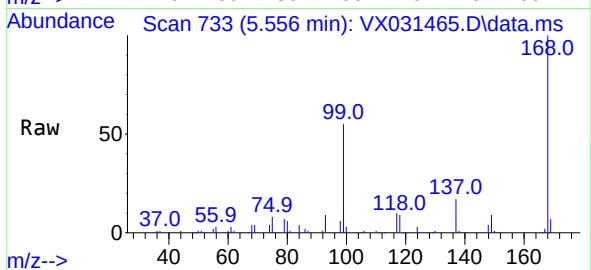
Quant Time: Sep 20 09:49:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration



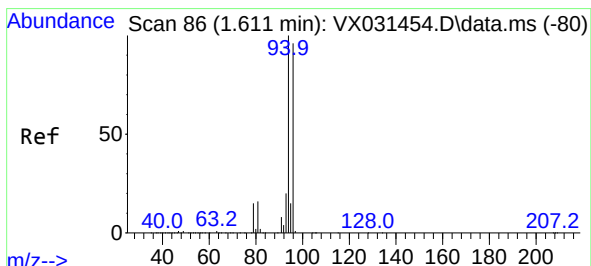
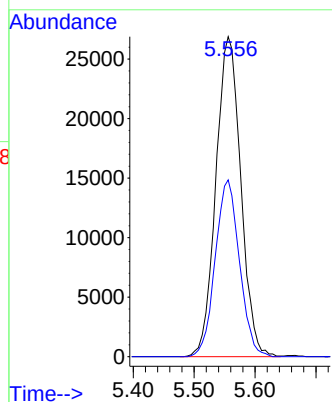


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

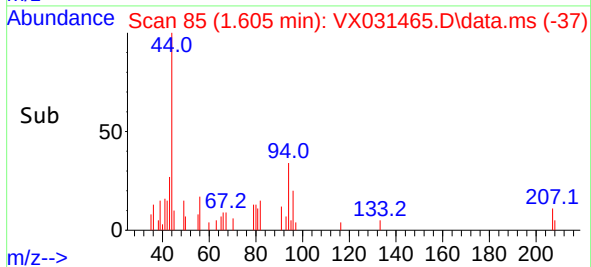
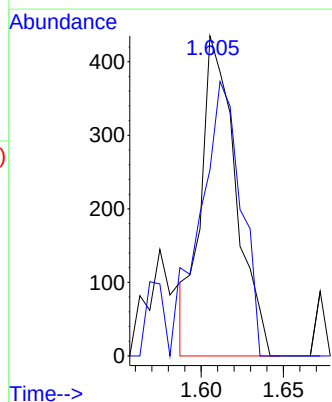
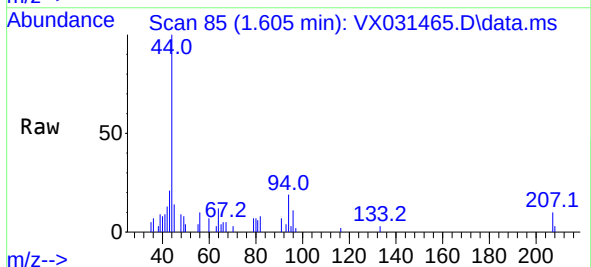


Tgt Ion:168 Resp: 76307
Ion Ratio Lower Upper
168 100
99 55.3 48.8 73.2

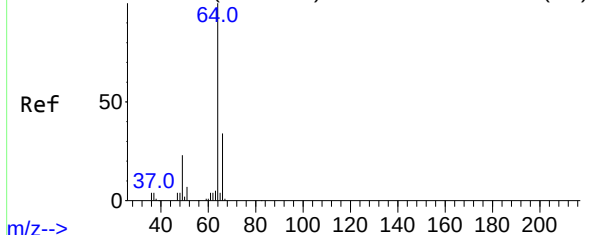


#5
Bromomethane
Concen: 0.273 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 94 Resp: 646
Ion Ratio Lower Upper
94 100
96 58.2 74.4 111.6#



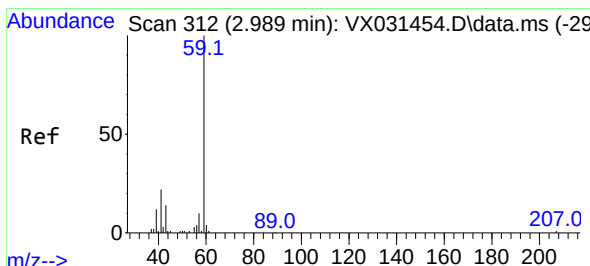
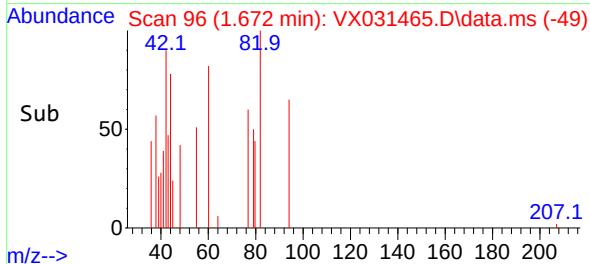
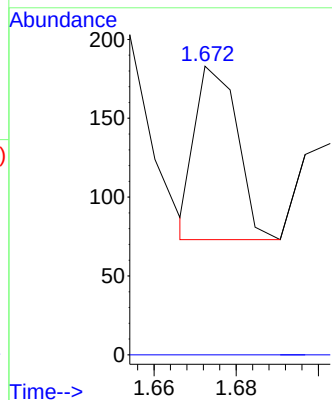
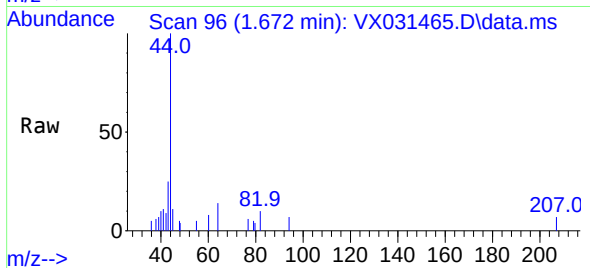
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.013 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

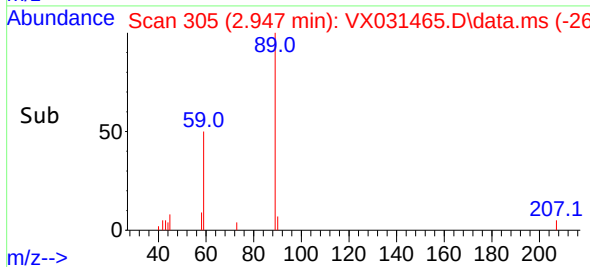
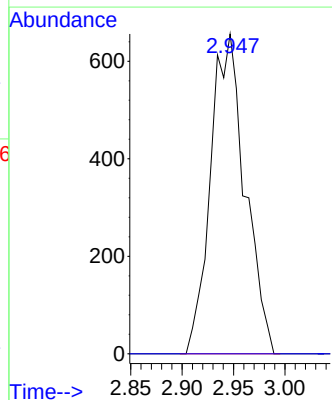
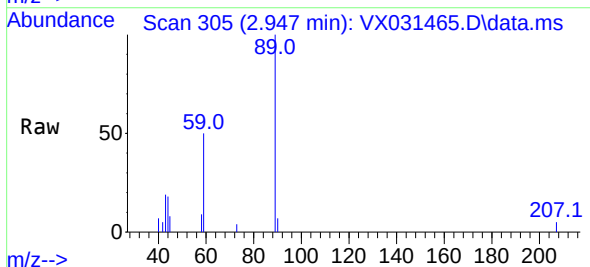
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

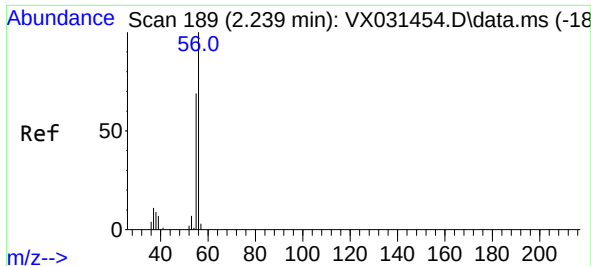
Tgt Ion: 64 Resp: 78
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 59 Resp: 1528
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

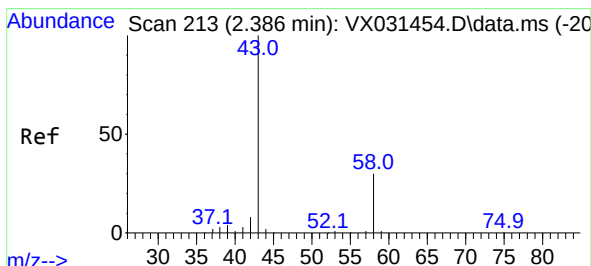
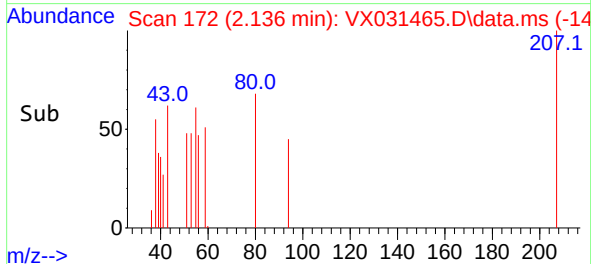
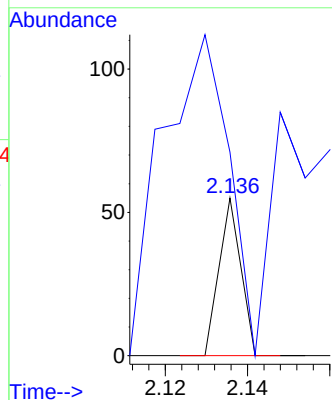
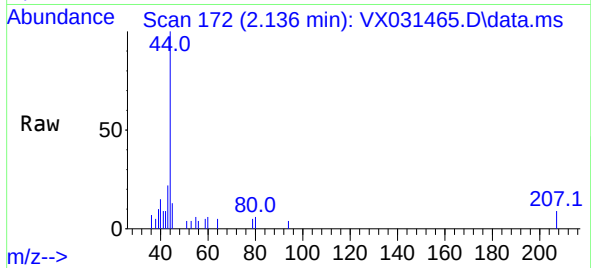




#13
Acrolein
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. -0.103 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

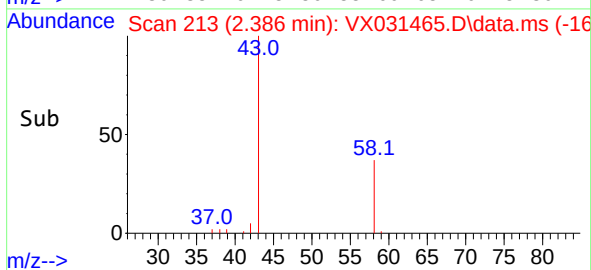
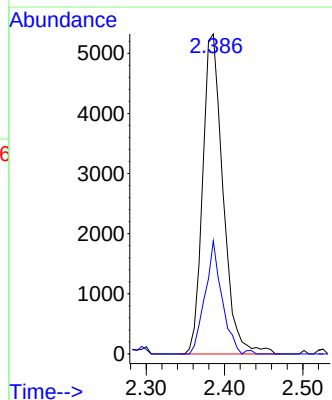
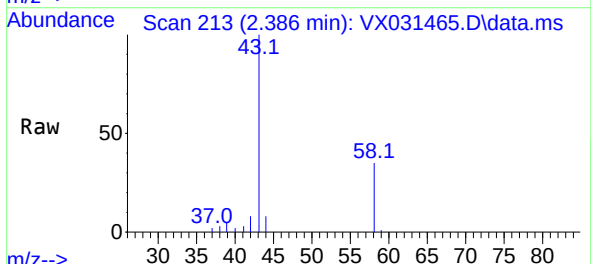
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

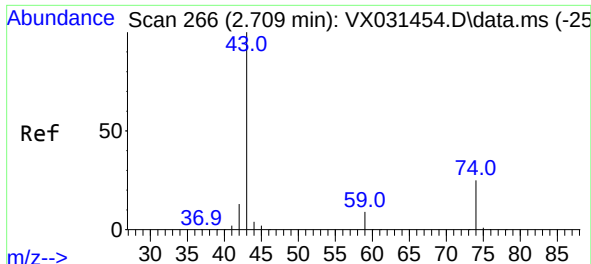
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 625.0 56.0 84.0#



#16
Acetone
Concen: 3.912 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 43 Resp: 9606
Ion Ratio Lower Upper
43 100
58 35.3 23.8 35.8

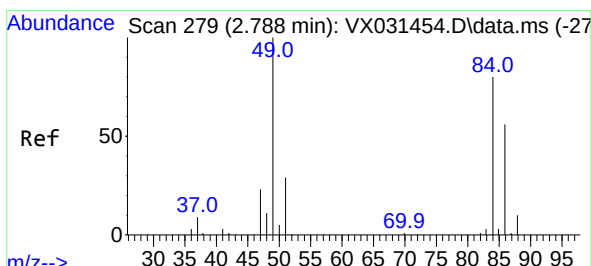
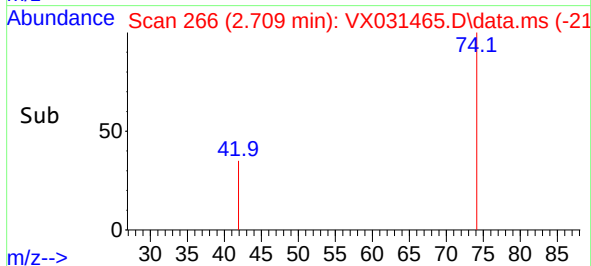
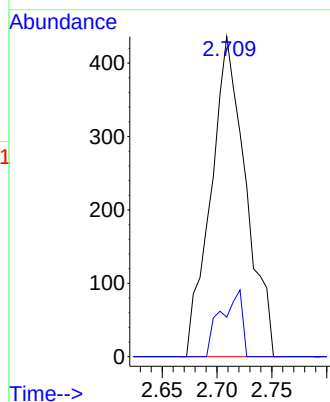
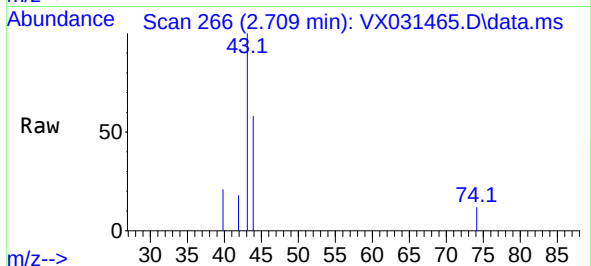




#18
Methyl Acetate
Concen: 0.462 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

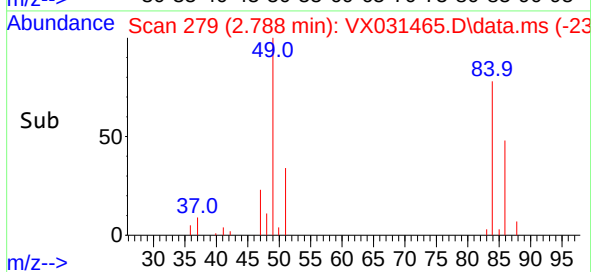
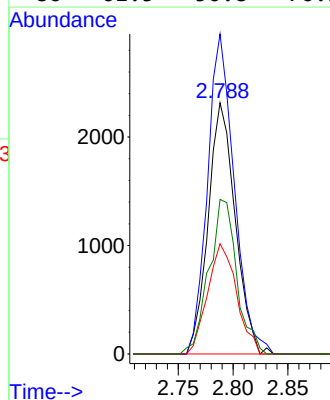
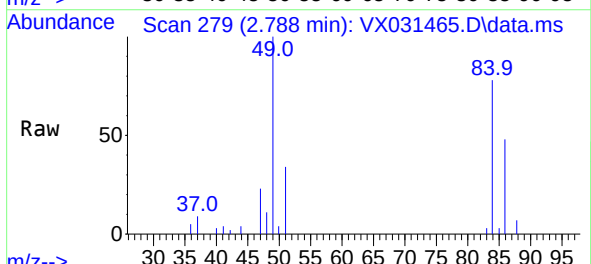
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

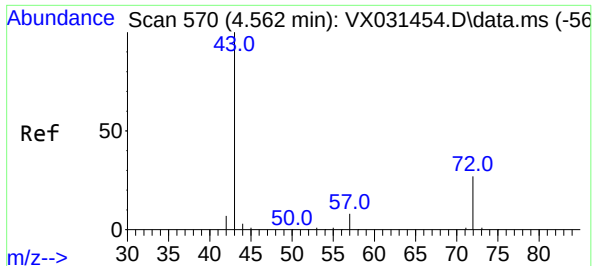
Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
74 12.7 18.6 27.8#



#20
Methylene Chloride
Concen: 0.879 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 84 Resp: 3971
Ion Ratio Lower Upper
84 100
49 127.4 105.9 158.9
51 43.9 32.2 48.2
86 61.5 50.8 76.2





#25

2-Butanone

Concen: 1.278 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

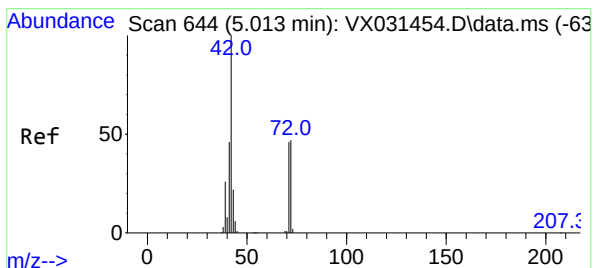
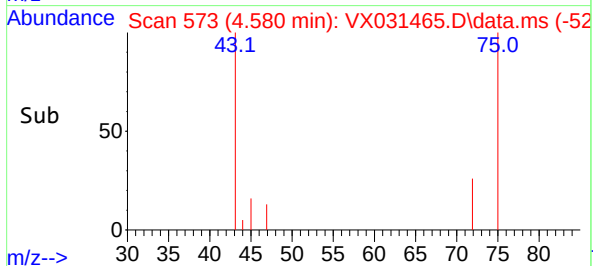
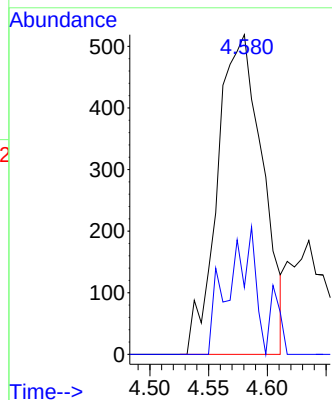
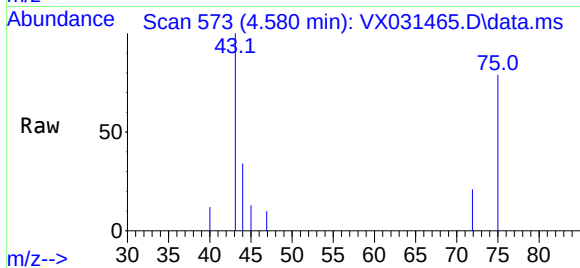
S1-SO_UNK-20220902

Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

72 21.0 21.1 31.7#



#29

Tetrahydrofuran

Concen: 0.314 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

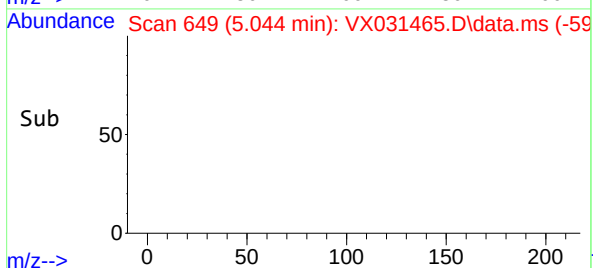
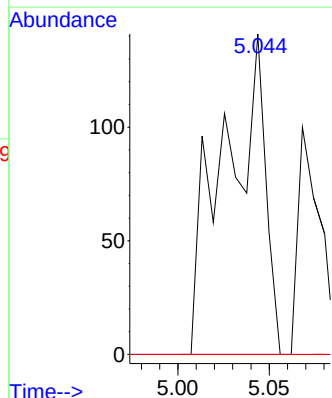
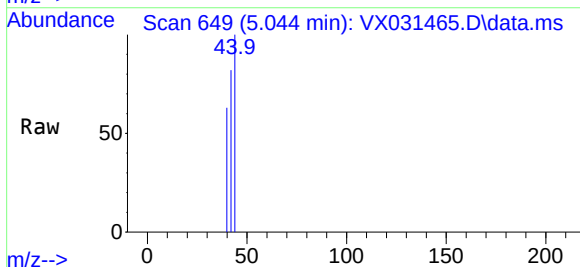
Tgt Ion: 42 Resp: 221

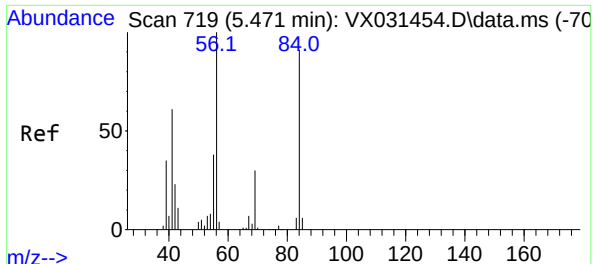
Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

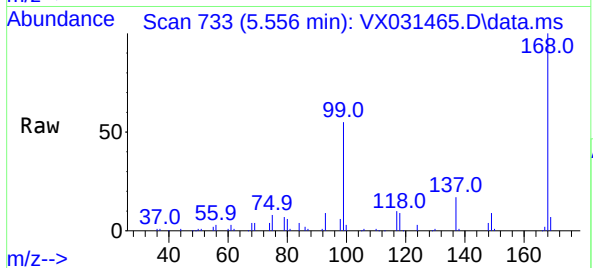
71 0.0 33.5 50.3#



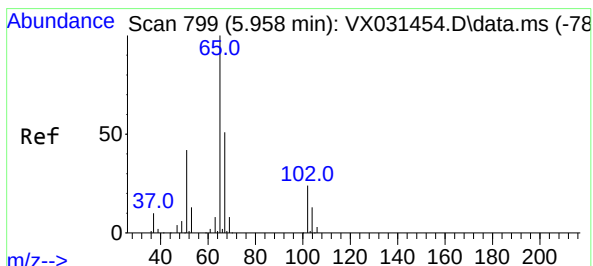
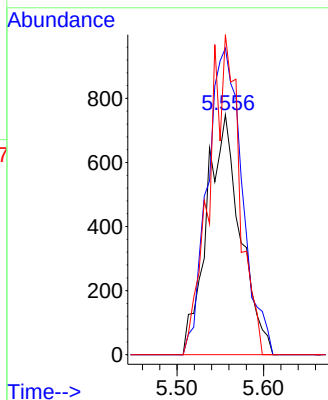
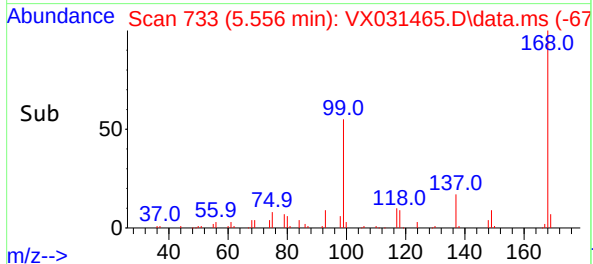


#31
Cyclohexane
Concen: 0.977 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

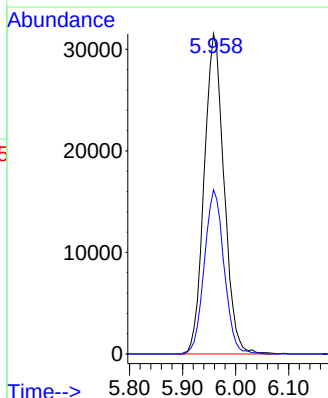
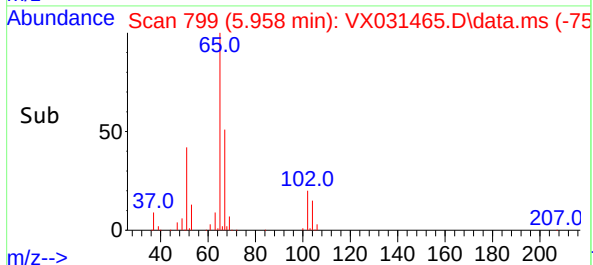
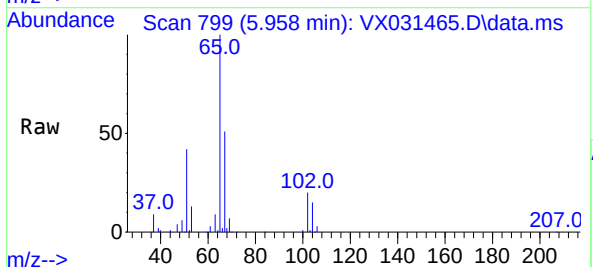


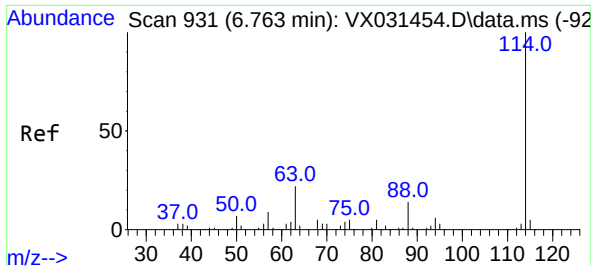
Tgt Ion: 56 Resp: 2028
Ion Ratio Lower Upper
56 100
69 127.8 25.1 37.7#
84 133.4 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 58.732 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 65 Resp: 82080
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

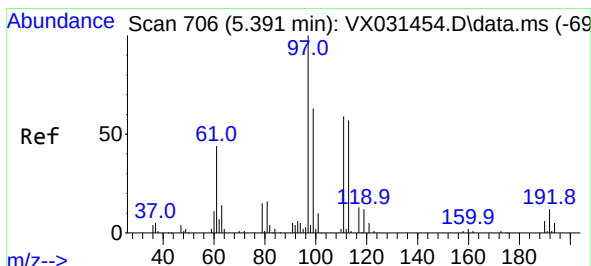
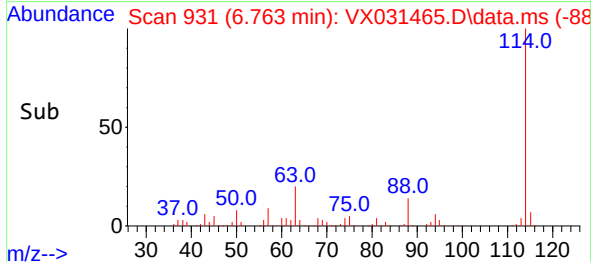
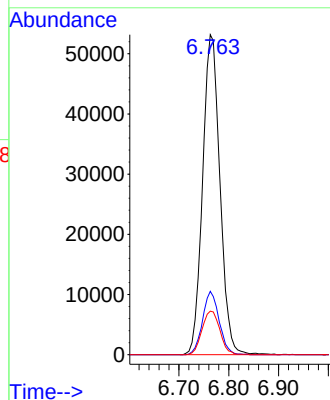
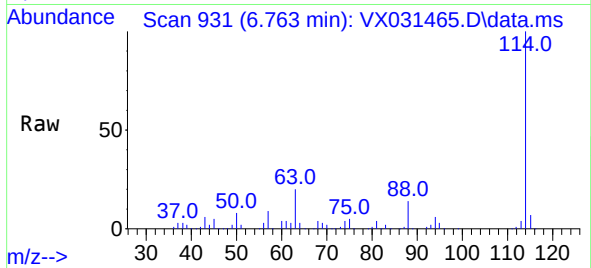




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

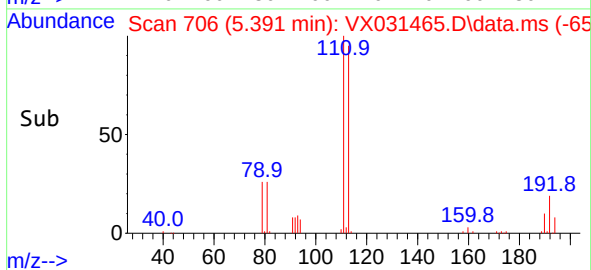
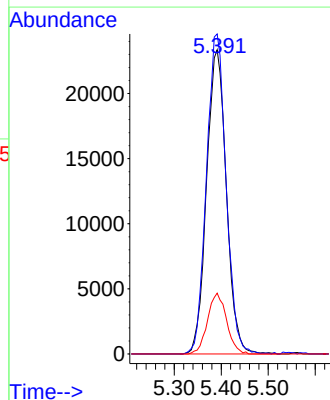
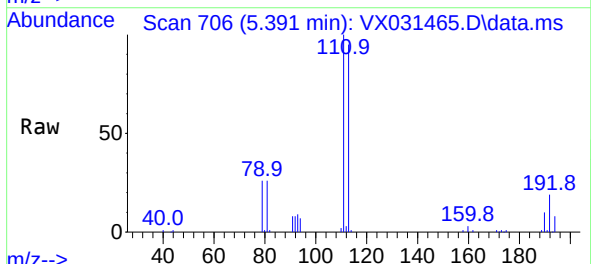
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ClientSampleId :
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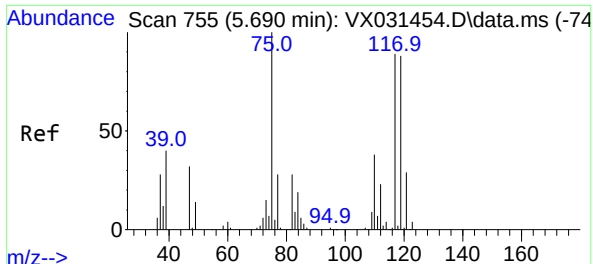
Tgt Ion:114 Resp: 128464
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.6
88 13.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.315 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion:113 Resp: 68111
Ion Ratio Lower Upper
113 100
111 104.5 82.4 123.6
192 19.3 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.038 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031465.D

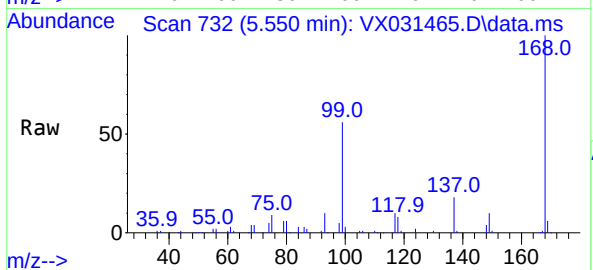
Acq: 19 Sep 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_UNK-20220902



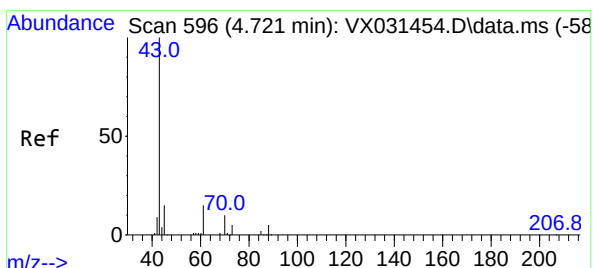
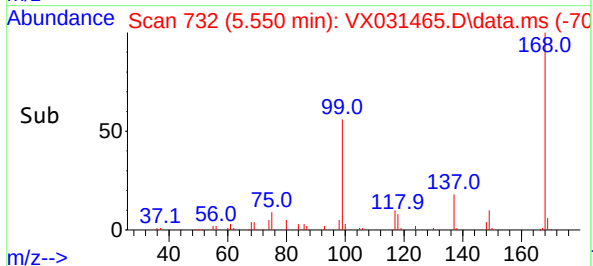
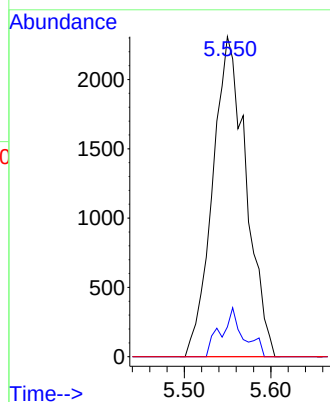
Tgt Ion: 75 Resp: 6203

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 5.270 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

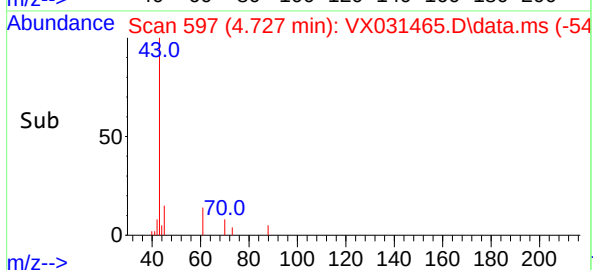
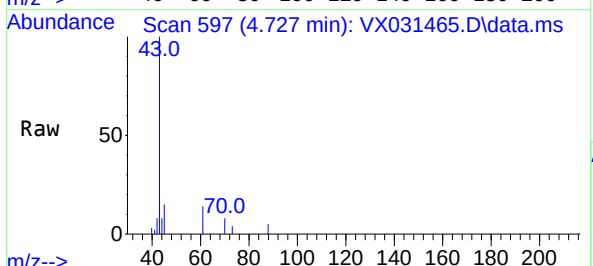
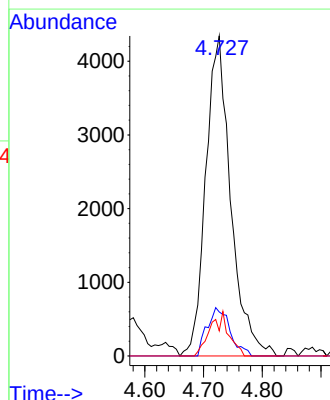
Tgt Ion: 43 Resp: 12838

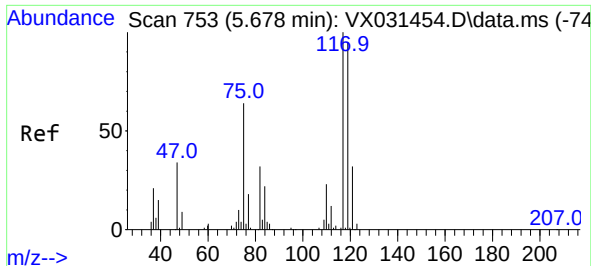
Ion Ratio Lower Upper

43 100

61 13.8 11.1 16.7

70 5.8 8.6 13.0#

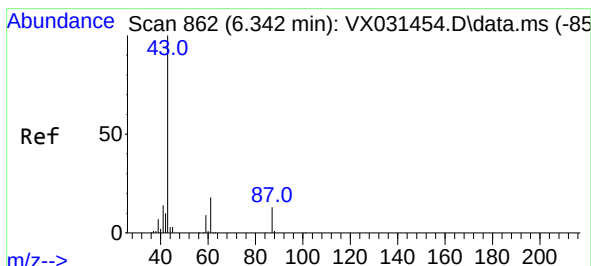
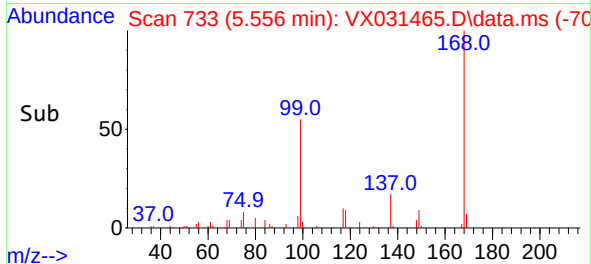
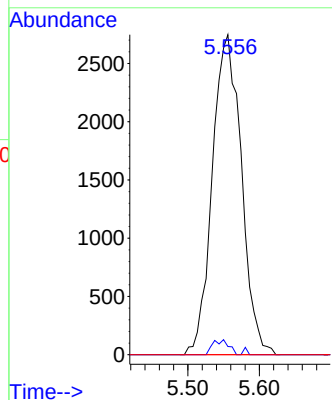
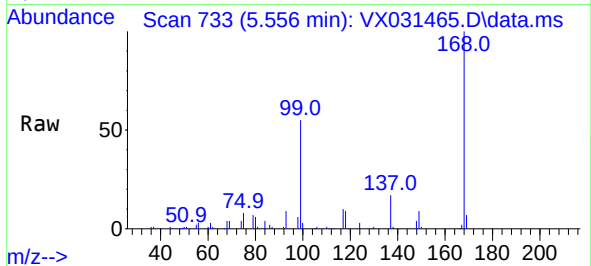




#38
Carbon Tetrachloride
Concen: 3.424 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

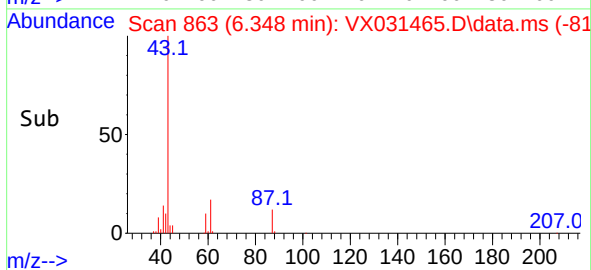
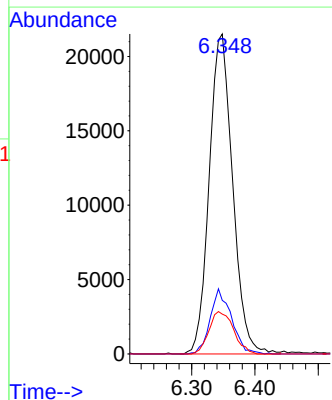
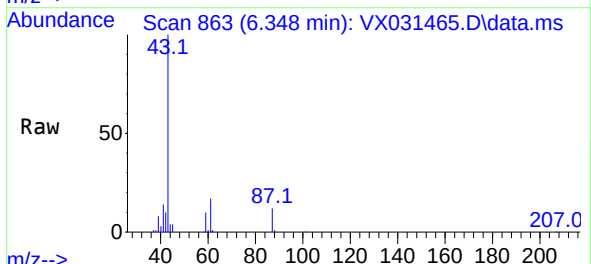
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

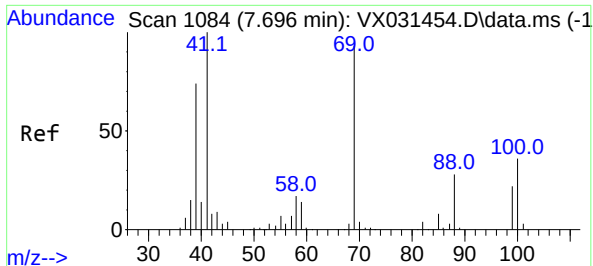
Tgt Ion:117 Resp: 7750
Ion Ratio Lower Upper
117 100
119 2.6 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 14.777 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 43 Resp: 55328
Ion Ratio Lower Upper
43 100
61 18.5 15.3 22.9
87 13.9 10.6 15.8





#48

Methyl methacrylate

Concen: 31.433 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

S1-SO_UNK-20220902

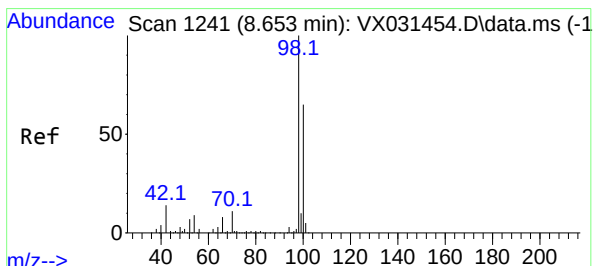
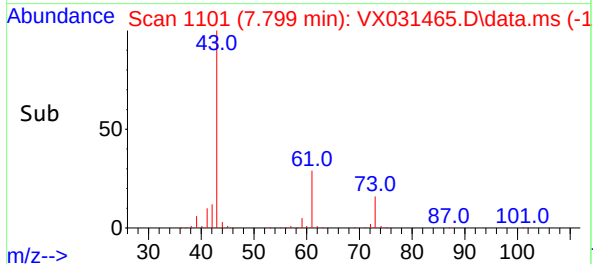
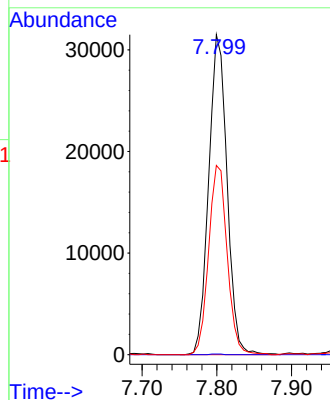
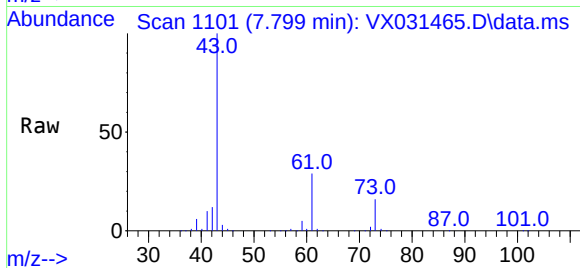
Tgt Ion: 41 Resp: 53767

Ion Ratio Lower Upper

41 100

69 0.1 64.6 96.8#

39 59.9 51.4 77.0



#50

Toluene-d8

Concen: 52.348 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031465.D

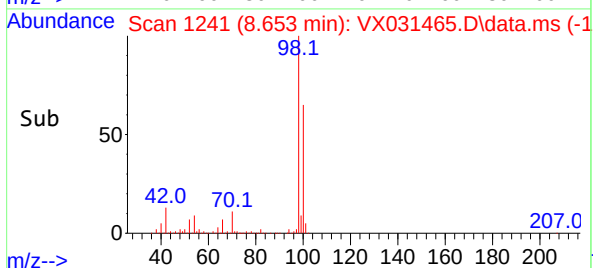
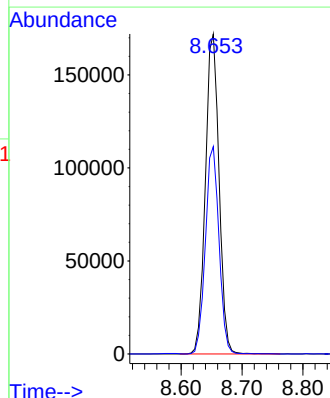
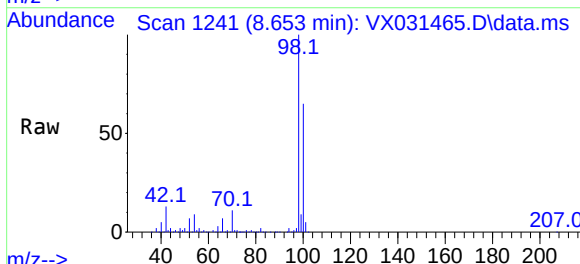
Acq: 19 Sep 2022 17:15

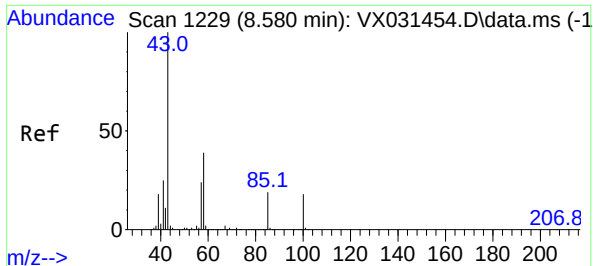
Tgt Ion: 98 Resp: 267924

Ion Ratio Lower Upper

98 100

100 64.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 18.176 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

Instrument :

MSVOA_X

ClientSampleId :

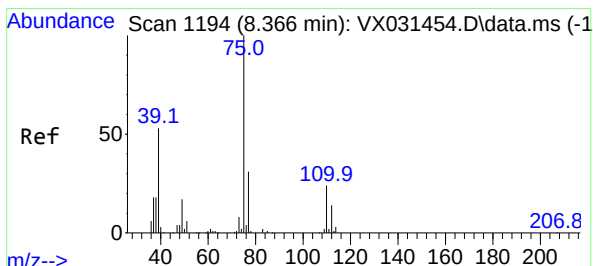
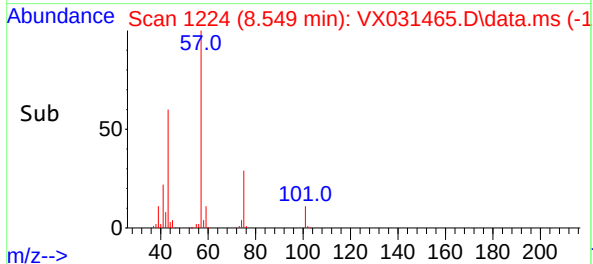
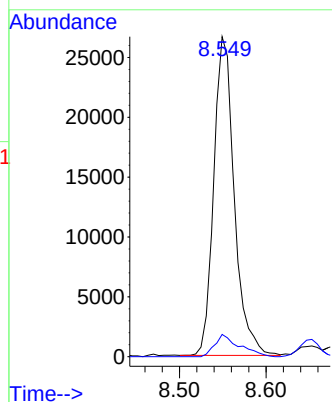
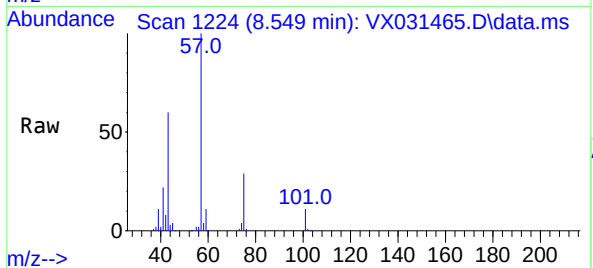
S1-SO_UNK-20220902

Tgt Ion: 43 Resp: 43771

Ion Ratio Lower Upper

43 100

58 8.4 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.800 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031465.D

Acq: 19 Sep 2022 17:15

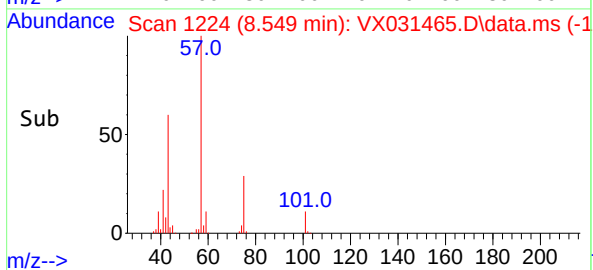
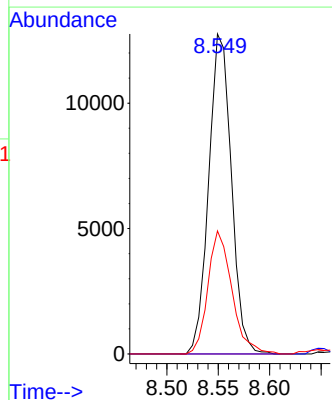
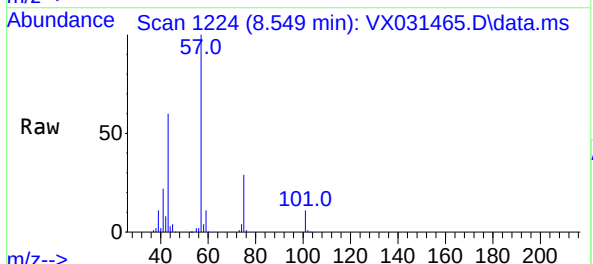
Tgt Ion: 75 Resp: 19563

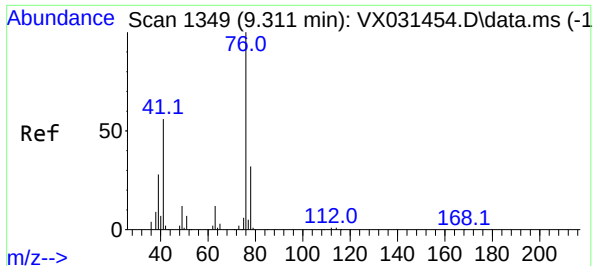
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 38.4 43.7 65.5#

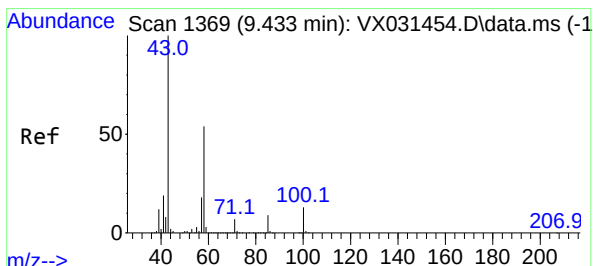
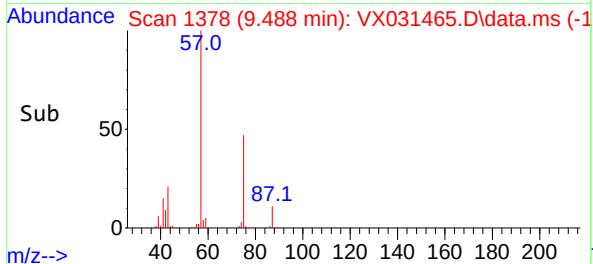
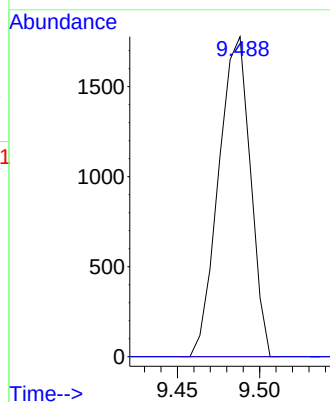
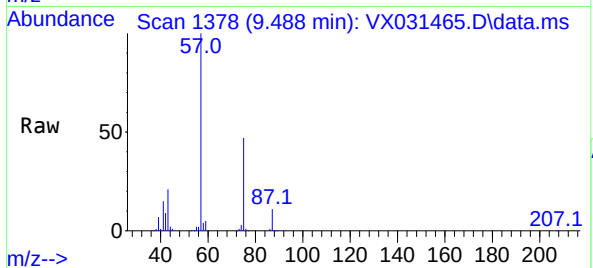




#57
1,3-Dichloropropane
Concen: 0.890 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

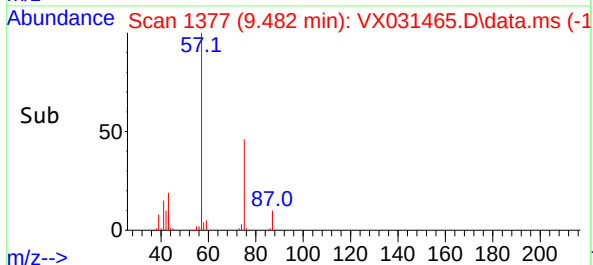
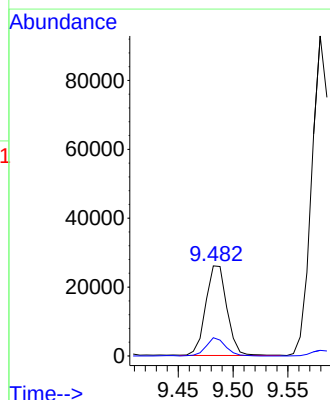
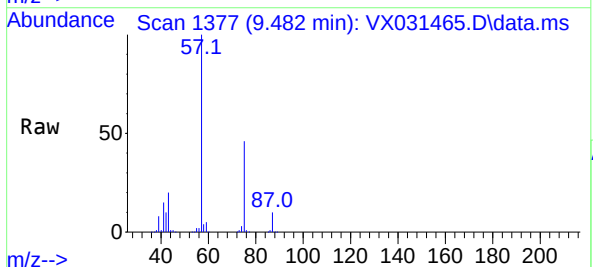
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

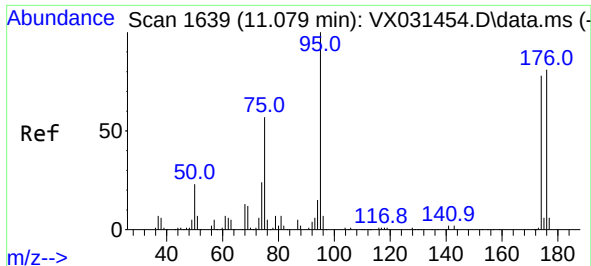
Tgt Ion: 76 Resp: 2392
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 19.361 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 43 Resp: 35016
Ion Ratio Lower Upper
43 100
58 18.8 26.7 80.0#

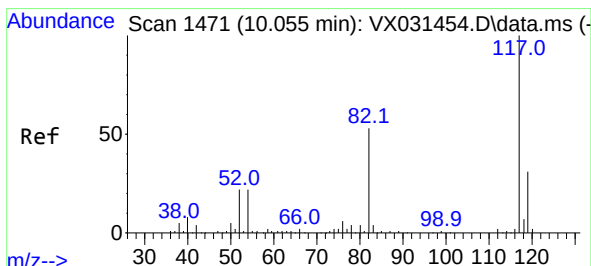
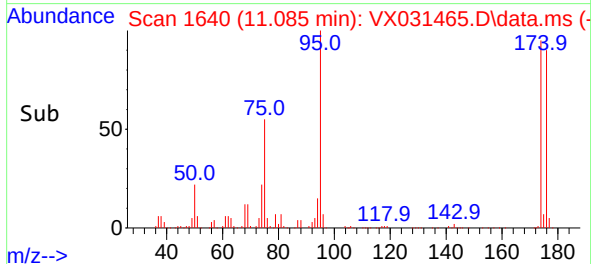
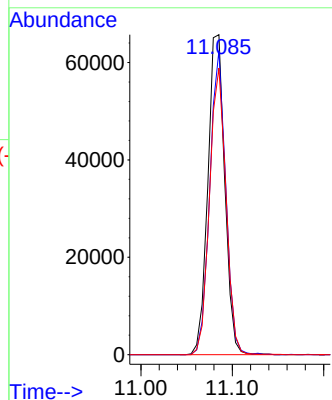
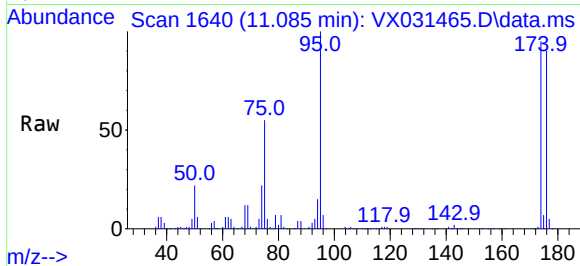




#62
4-Bromofluorobenzene
Concen: 48.630 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

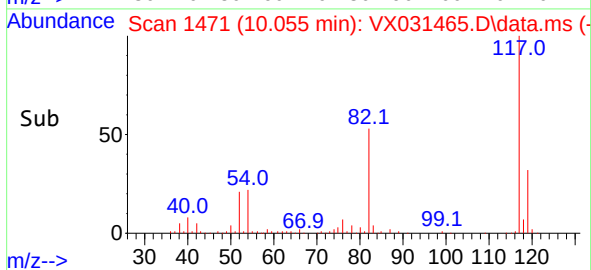
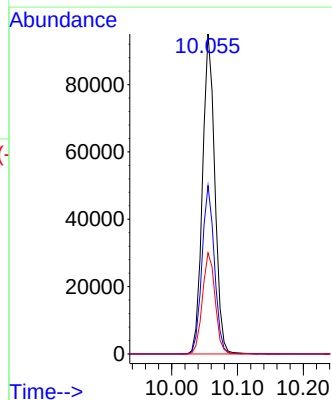
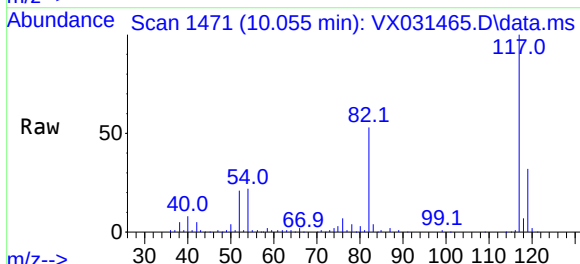
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

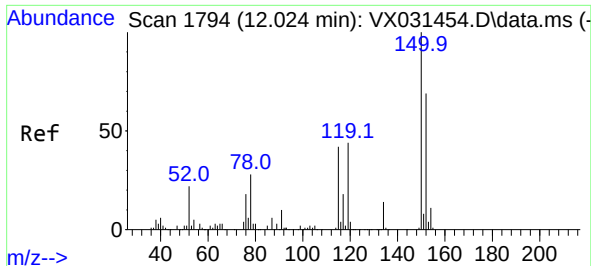
Tgt Ion: 95 Resp: 84308
Ion Ratio Lower Upper
95 100
174 89.7 0.0 153.2
176 87.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 117 Resp: 123559
Ion Ratio Lower Upper
117 100
82 52.6 46.8 70.2
119 31.6 26.4 39.6

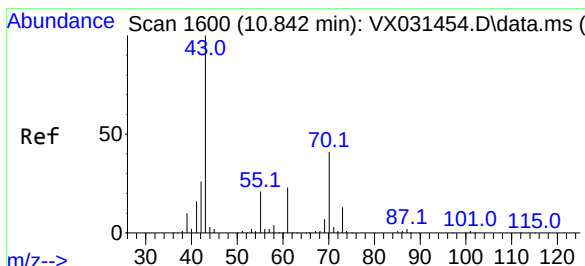
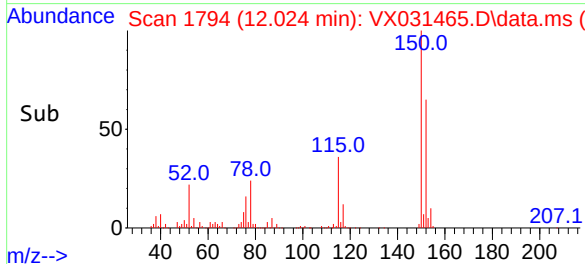
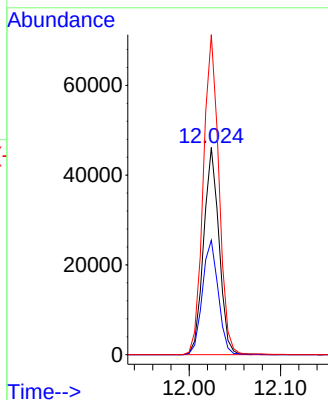
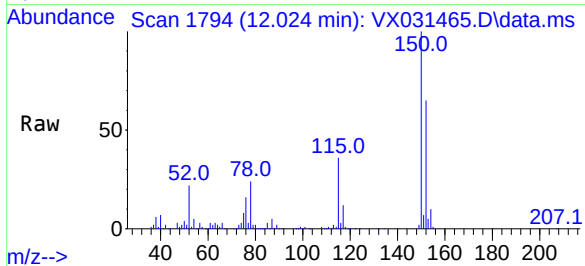




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

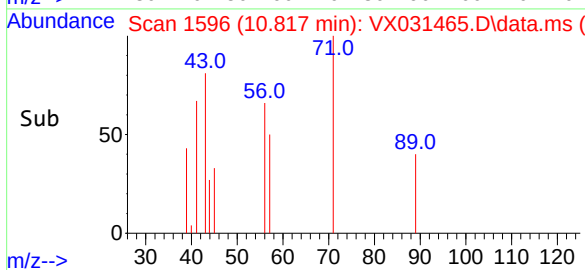
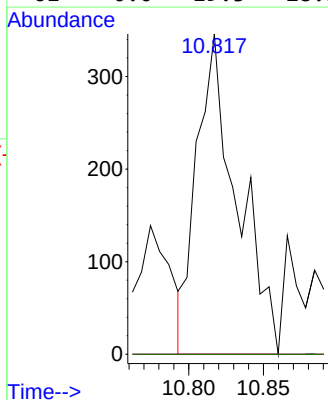
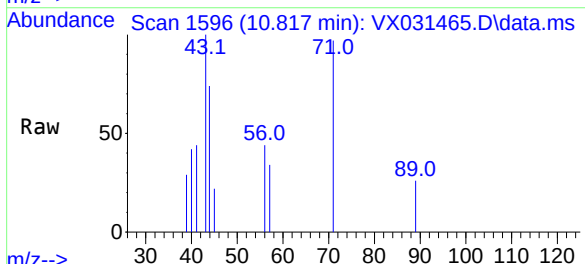
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

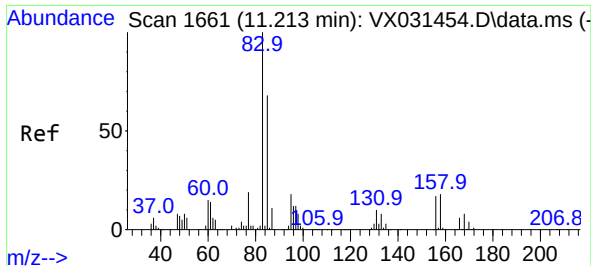
Tgt Ion:152 Resp: 54031
Ion Ratio Lower Upper
152 100
115 56.7 43.4 130.1
150 157.1 0.0 346.8



#74
N-ethyl acetate
Concen: 0.396 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.025 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

Tgt Ion: 43 Resp: 648
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#

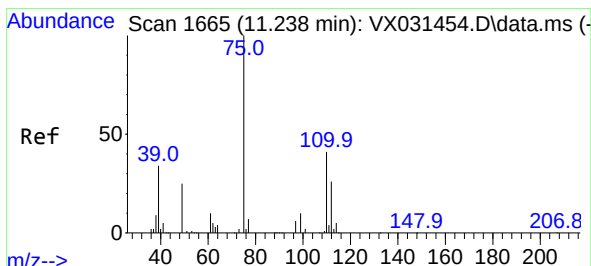
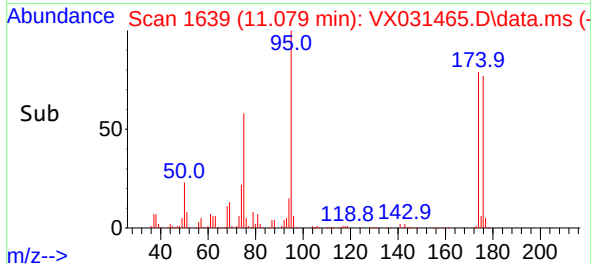
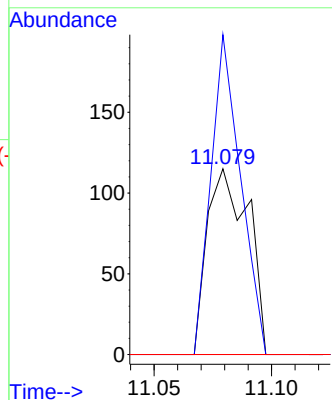
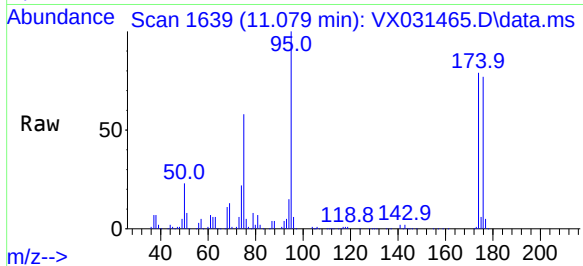




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

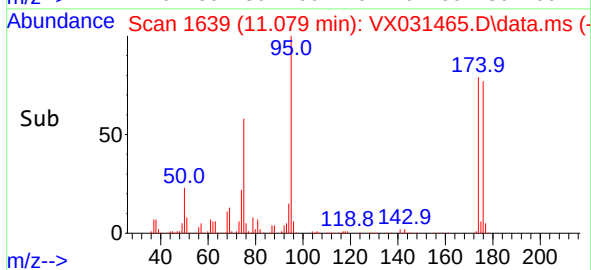
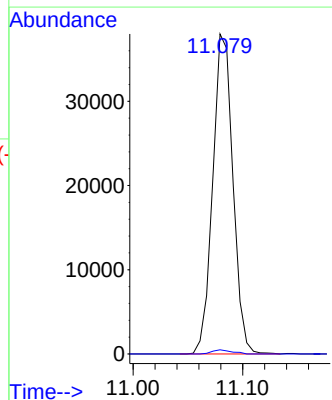
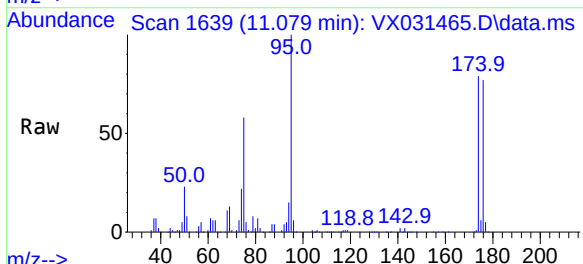
Instrument :
MSVOA_X
ClientSampleId :
S1-SO_UNK-20220902

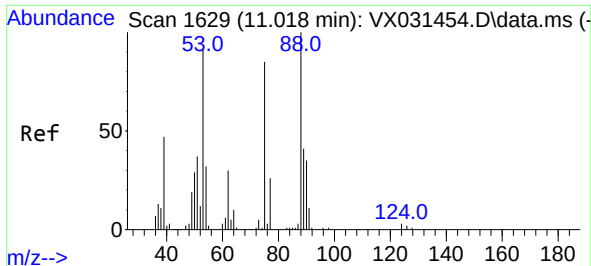
Tgt Ion: 83 Resp: 140
Ion Ratio Lower Upper
83 100
131 124.3 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 40.285 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031465.D
Acq: 19 Sep 2022 17:15

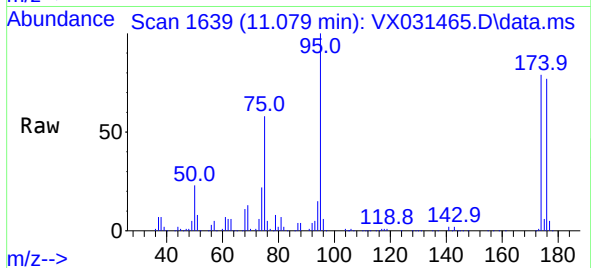
Tgt Ion: 75 Resp: 48580
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.711 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX031465.D
 Acq: 19 Sep 2022 17:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S1-SO_UNK-20220902



Tgt Ion: 75 Resp: 48580
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

