

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031346.D
 Acq On : 15 Sep 2022 08:19
 Operator : JC/MD
 Sample : N4579-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:13:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

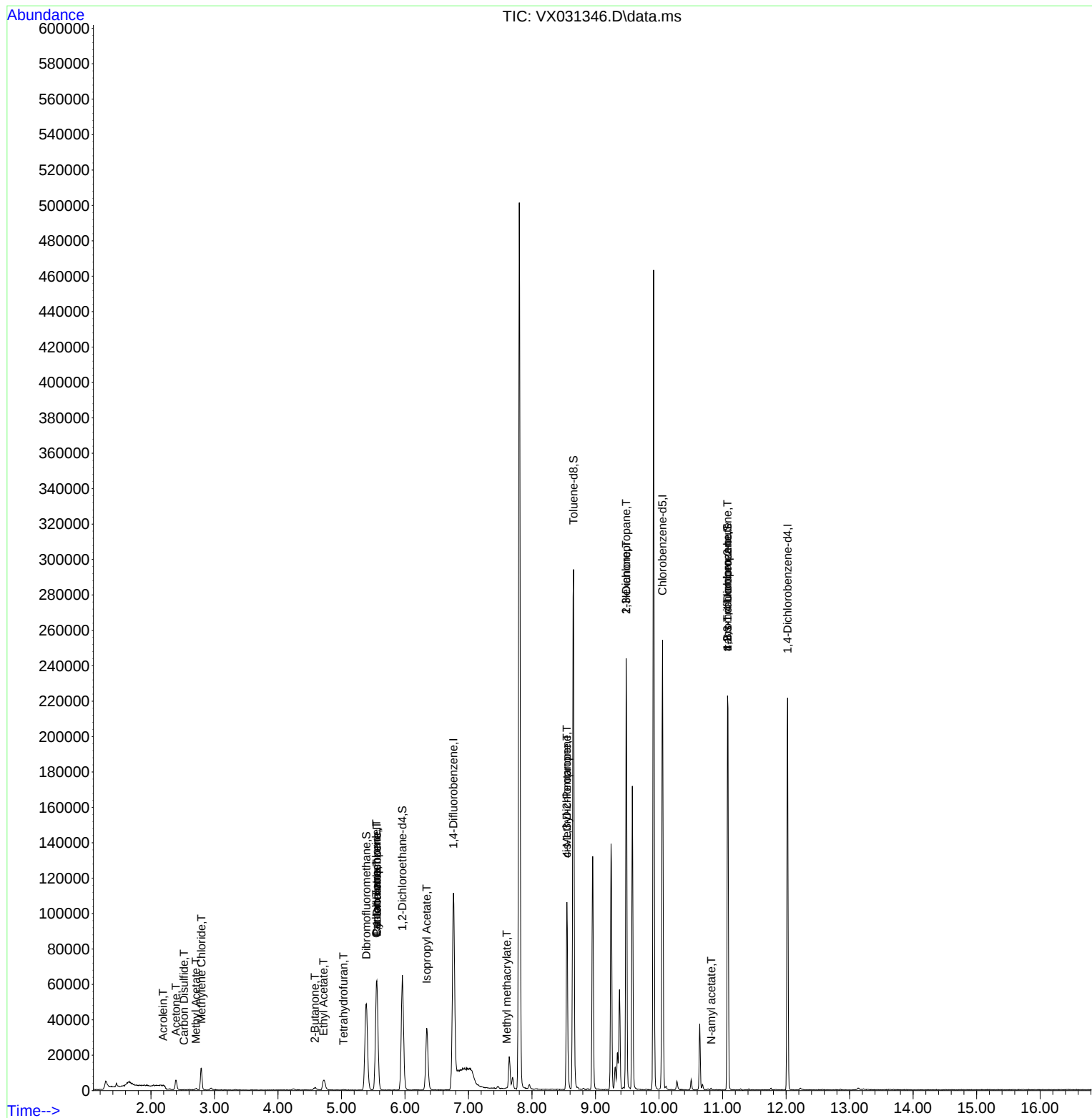
Internal Standards						
1) Pentafluorobenzene	5.556	168	54191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	99644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57727	43.399	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.800%		
35) Dibromofluoromethane	5.391	113	41590	38.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	77.660%		
50) Toluene-d8	8.653	98	164508	40.944	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	81.880%#		
62) 4-Bromofluorobenzene	11.079	95	55024	37.398	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	74.800%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	287	Below Cal	#	41
11) Tert butyl alcohol	2.941	59	1003	Below Cal	#	73
13) Acrolein	2.191	56	69	0.450	ug/l #	28
16) Acetone	2.392	43	7319	12.889	ug/l	98
17) Carbon Disulfide	2.520	76	46	0.905	ug/l #	75
18) Methyl Acetate	2.709	43	1304	0.774	ug/l #	78
20) Methylene Chloride	2.794	84	5121	3.531	ug/l	94
25) 2-Butanone	4.580	43	2132	2.276	ug/l #	86
29) Tetrahydrofuran	5.032	42	258	0.445	ug/l #	32
31) Cyclohexane	5.556	56	1632	1.142	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	4955	3.380	ug/l #	46
37) Ethyl Acetate	4.715	43	11459	5.948	ug/l	94
38) Carbon Tetrachloride	5.550	117	5866	3.681	ug/l #	17
43) Isopropyl Acetate	6.342	43	49090	14.927	ug/l	96
48) Methyl methacrylate	7.604	41	1757	1.174	ug/l #	13
51) 4-Methyl-2-Pentanone	8.549	43	37996	19.008	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	15084	7.672	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1933	0.957	ug/l #	43
59) 2-Hexanone	9.482	43	29042	19.036	ug/l #	50
74) N-amyl acetate	10.823	43	364	0.248	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	32929	32.709	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32929	90.507	ug/l #	11

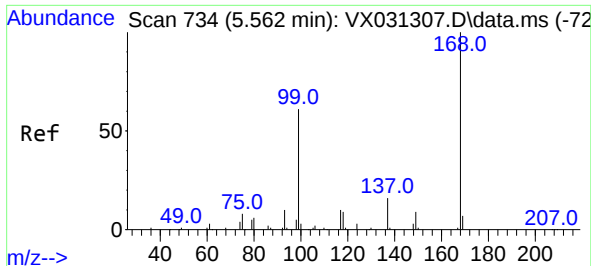
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
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Response via : Initial Calibration

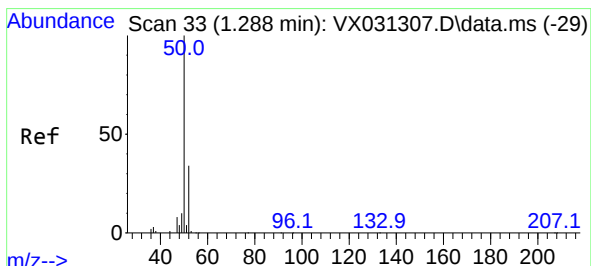
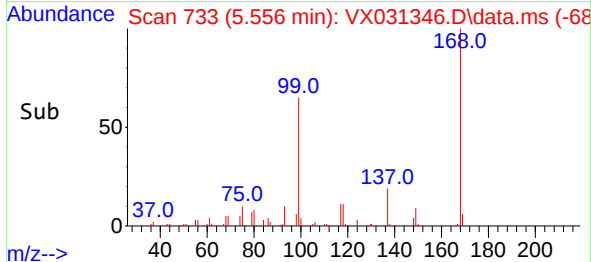
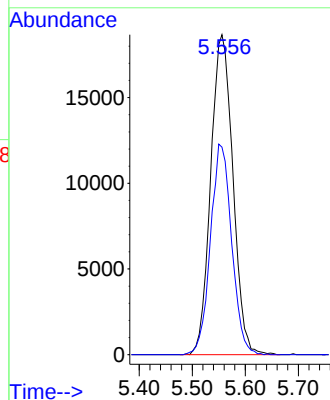
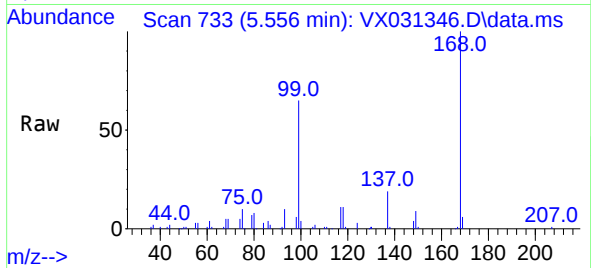




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

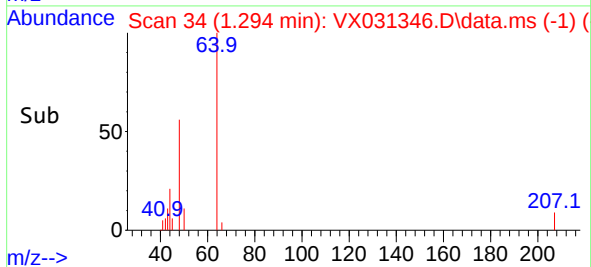
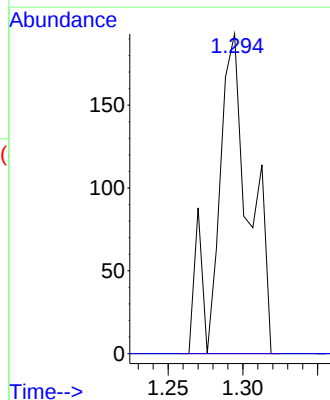
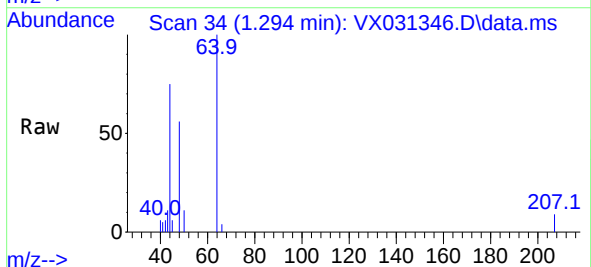
Instrument :
MSVOA_X
ClientSampleId :

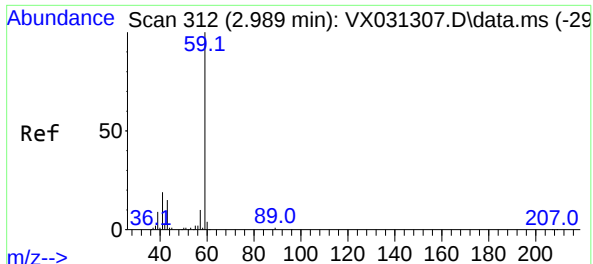
Tgt Ion:168 Resp: 54191
Ion Ratio Lower Upper
168 100
99 64.9 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 50 Resp: 287
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 30

Delta R.T. -0.048 min

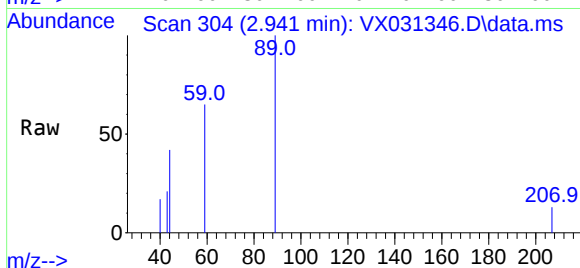
Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

Instrument :

MSVOA_X

ClientSampleId :

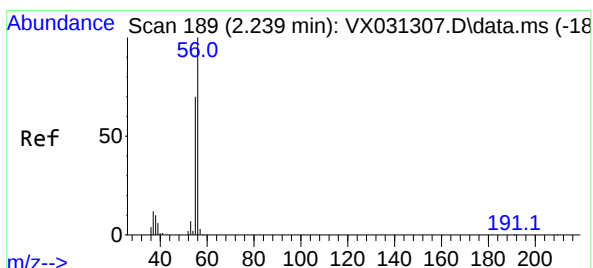
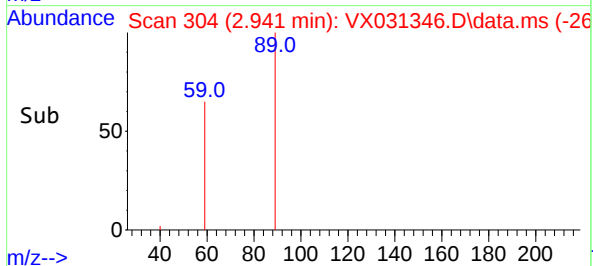
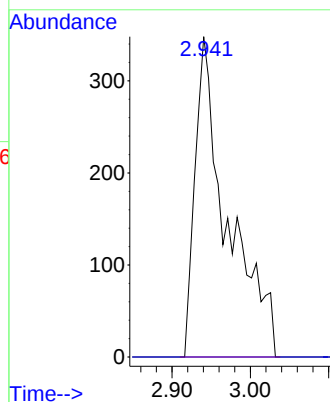


Tgt Ion: 59 Resp: 1003

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.450 ug/l

RT: 2.191 min Scan# 181

Delta R.T. -0.048 min

Lab File: VX031346.D

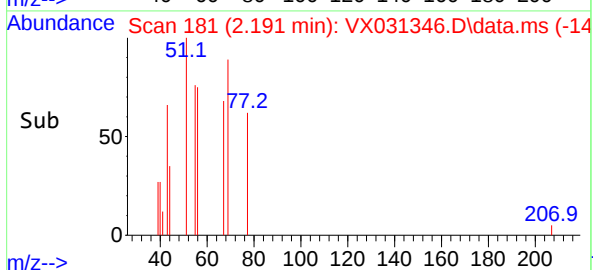
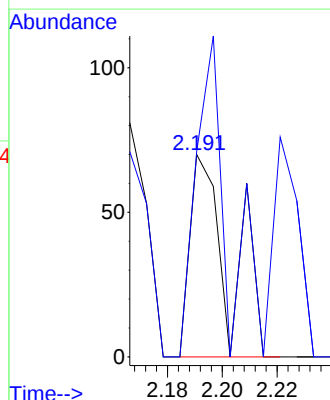
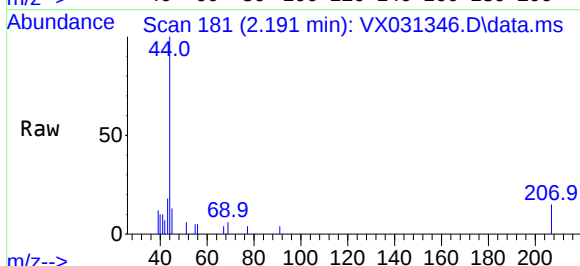
Acq: 15 Sep 2022 08:19

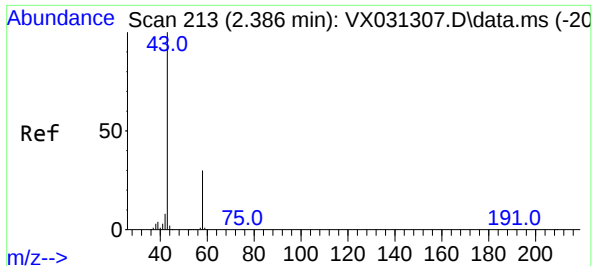
Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 129.0 56.0 84.0#

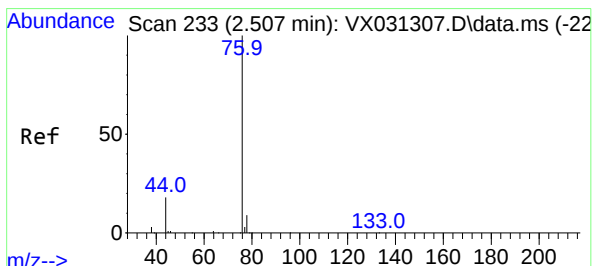
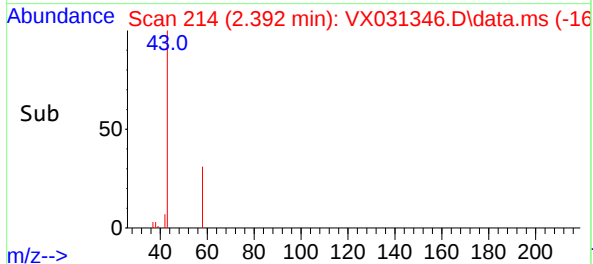
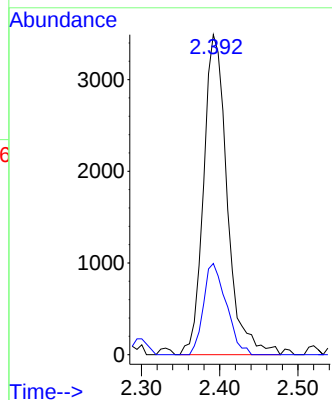
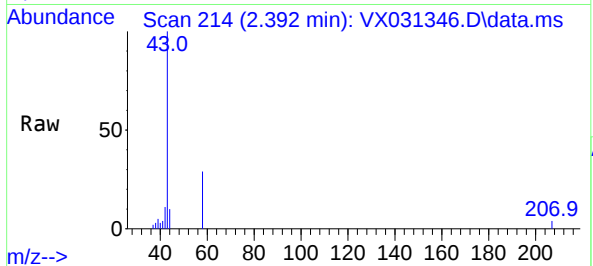




#16
Acetone
Concen: 12.889 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

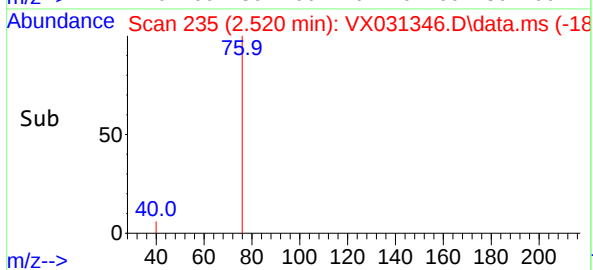
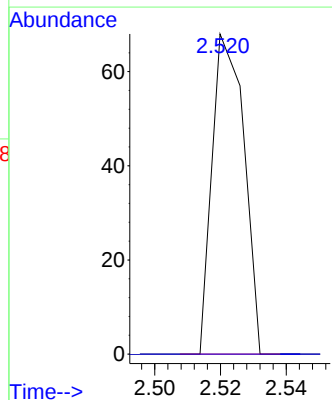
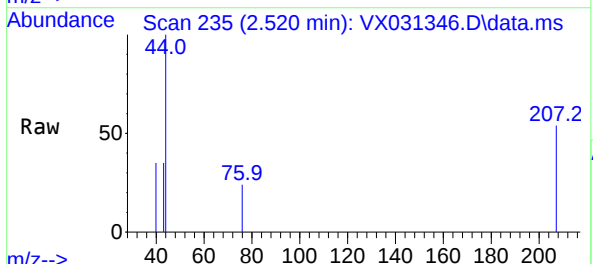
Instrument :
MSVOA_X
ClientSampleId :

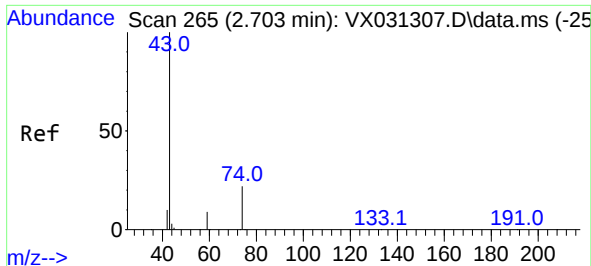
Tgt Ion: 43 Resp: 7319
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8



#17
Carbon Disulfide
Concen: 0.905 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.774 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

Instrument :

MSVOA_X

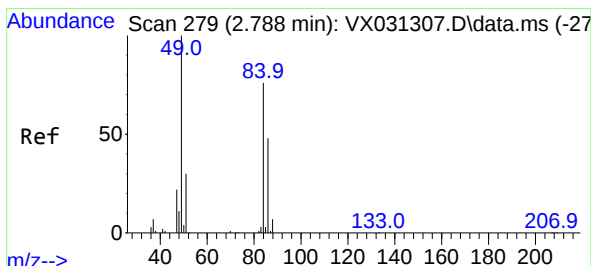
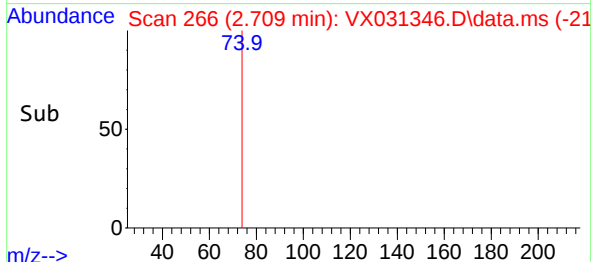
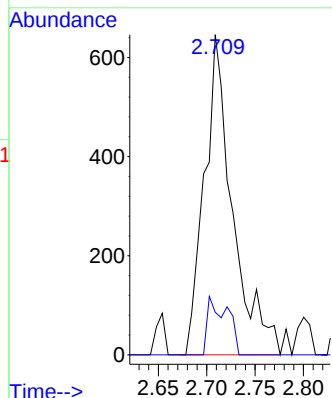
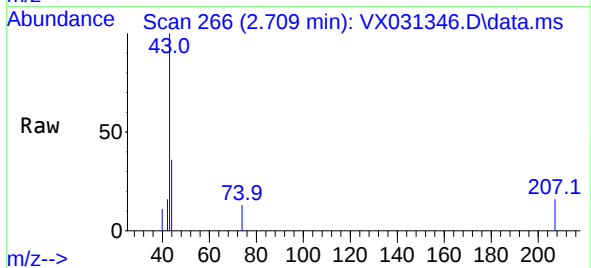
ClientSampleId :

Tgt Ion: 43 Resp: 1304

Ion Ratio Lower Upper

43 100

74 12.7 18.6 27.8#



#20

Methylene Chloride

Concen: 3.531 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

Tgt Ion: 84 Resp: 5121

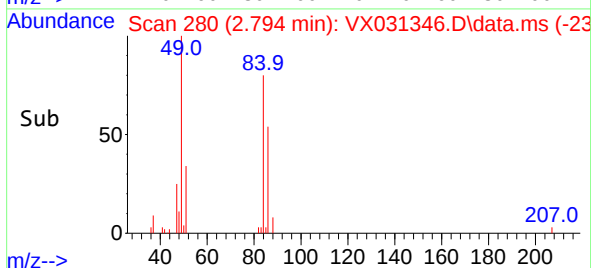
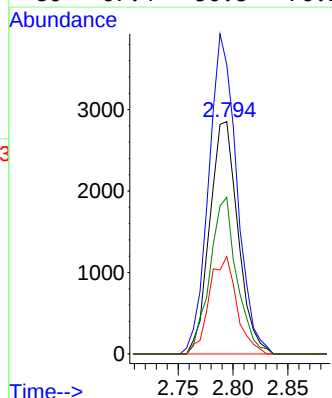
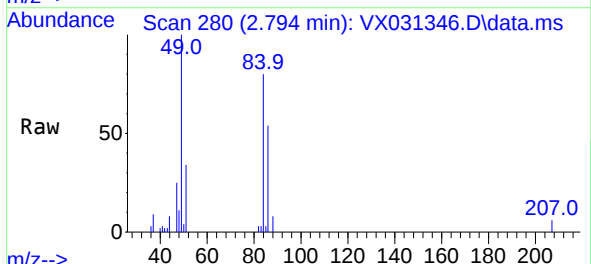
Ion Ratio Lower Upper

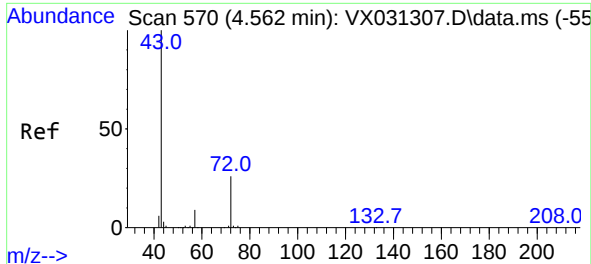
84 100

49 124.5 105.9 158.9

51 42.0 32.2 48.2

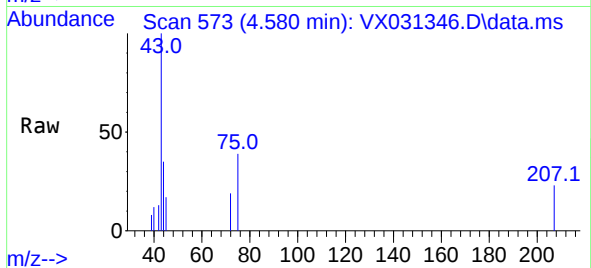
86 67.4 50.8 76.2



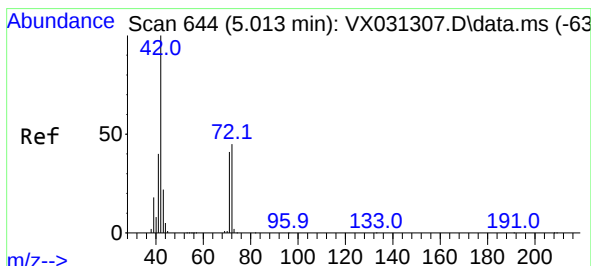
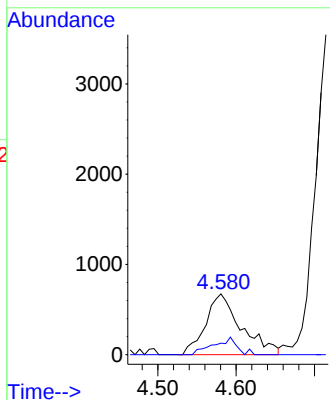
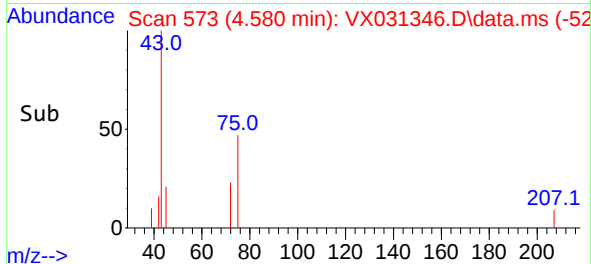


#25
2-Butanone
Concen: 2.276 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

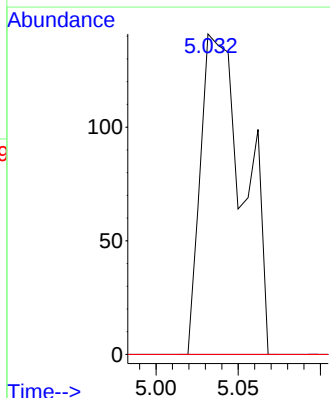
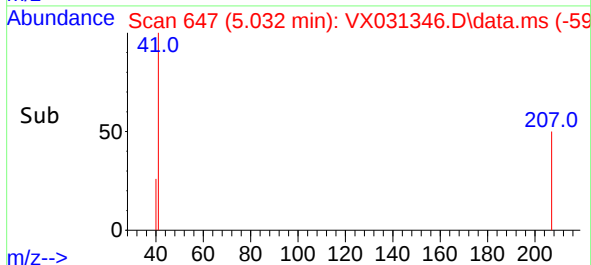
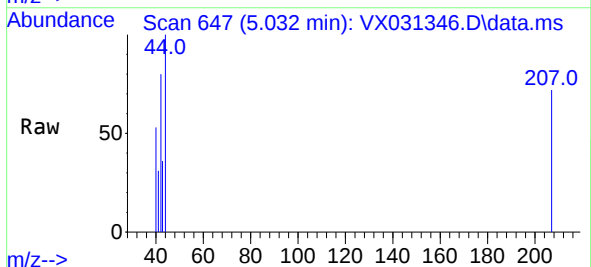


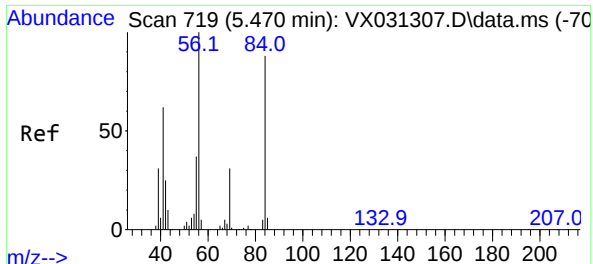
Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
72 19.0 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.445 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.018 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

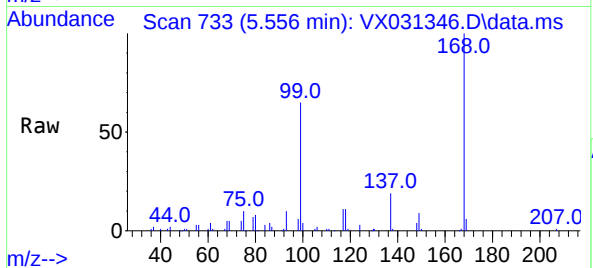
Tgt Ion: 42 Resp: 258
Ion Ratio Lower Upper
42 100
72 0.0 36.4 54.6#
71 0.0 33.5 50.3#



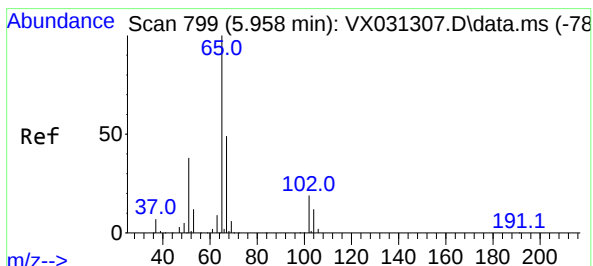
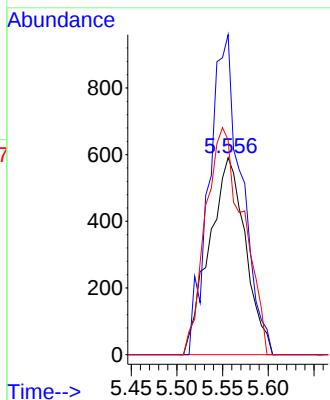
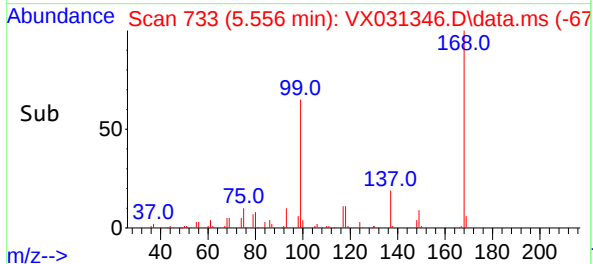


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
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ClientSampleId :

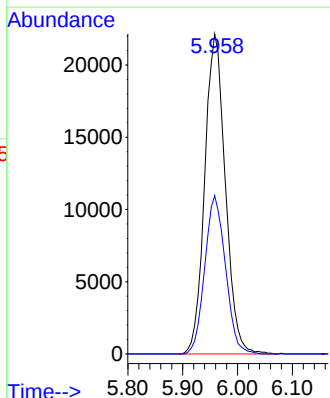
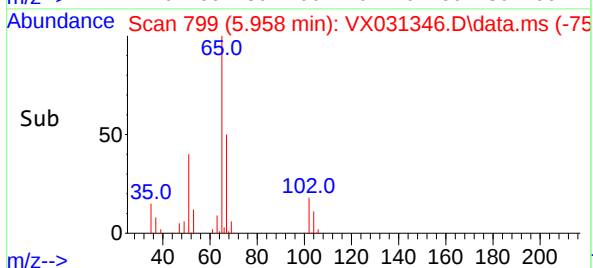
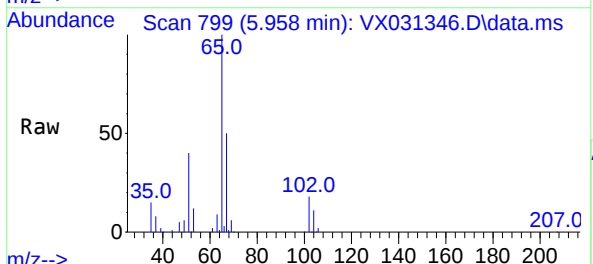


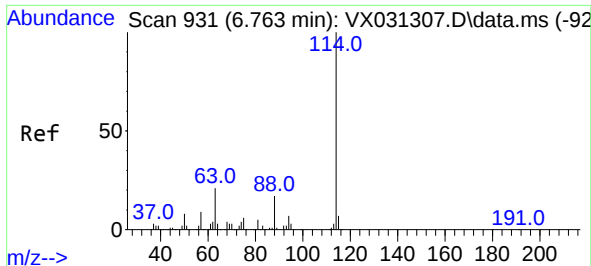
Tgt Ion: 56 Resp: 1632
Ion Ratio Lower Upper
56 100
69 162.4 25.1 37.7#
84 109.0 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 43.399 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

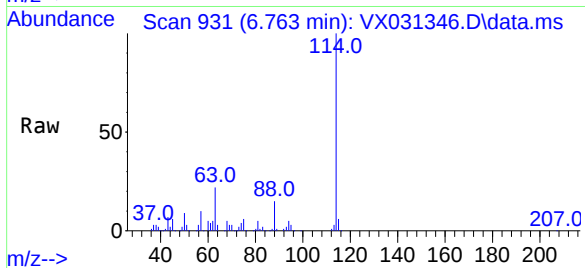
Tgt Ion: 65 Resp: 57727
Ion Ratio Lower Upper
65 100
67 49.7 0.0 102.4



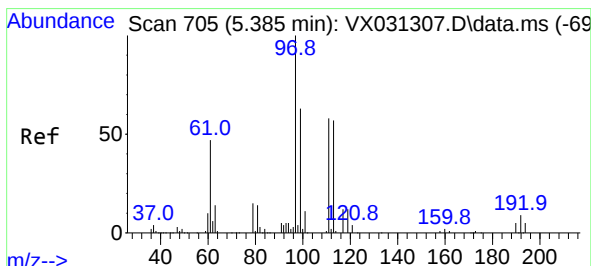
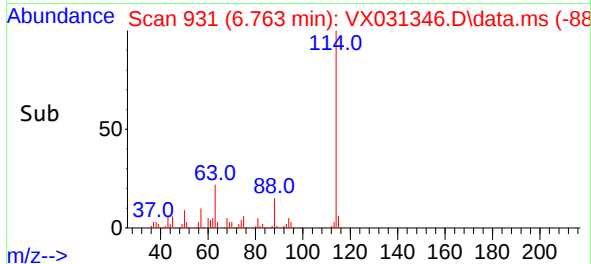
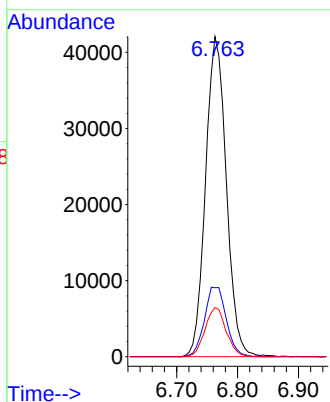


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

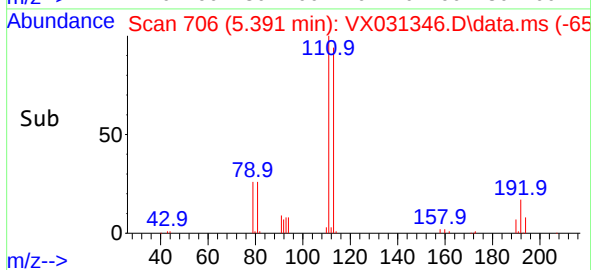
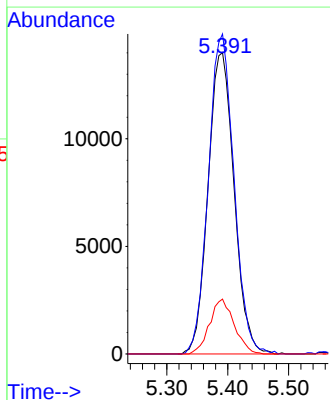
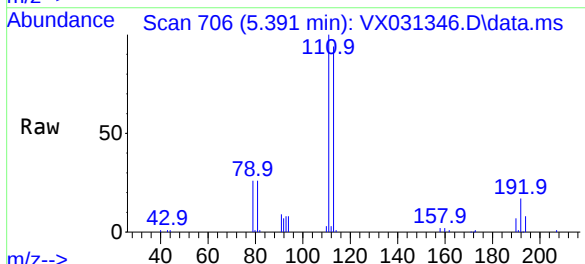


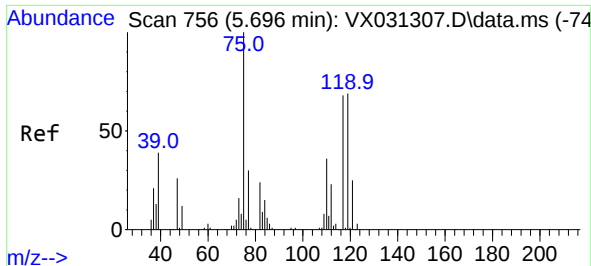
Tgt Ion:	114	Resp:	99644
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.6
88	15.3	0.0	33.0



#35
Dibromofluoromethane
Concen: 38.829 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion:	113	Resp:	41590
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.4	123.6
192	17.2	14.1	21.1





#36

1,1-Dichloropropene

Concen: 3.380 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX031346.D

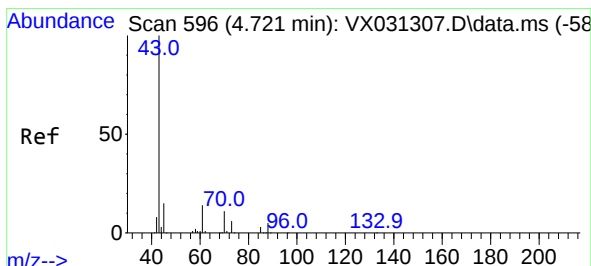
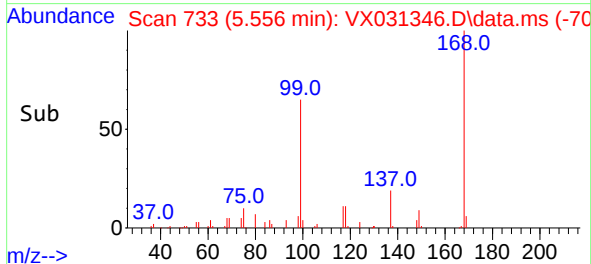
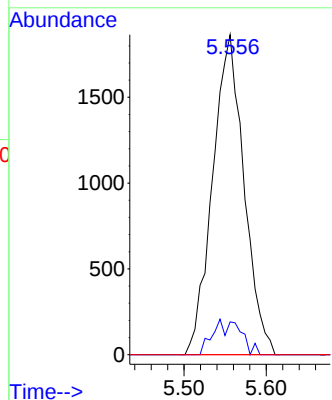
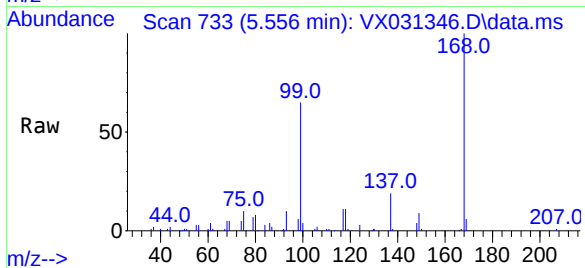
Acq: 15 Sep 2022 08:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 75	Resp: 4955
Ion Ratio	Lower Upper
75 100	
110 4.7	17.5 52.5#
77 0.0	24.9 37.3#



#37

Ethyl Acetate

Concen: 5.948 ug/l

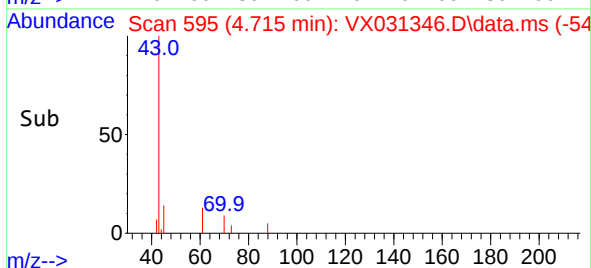
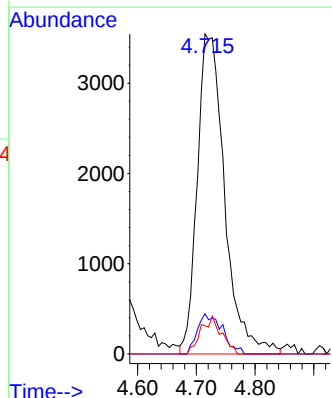
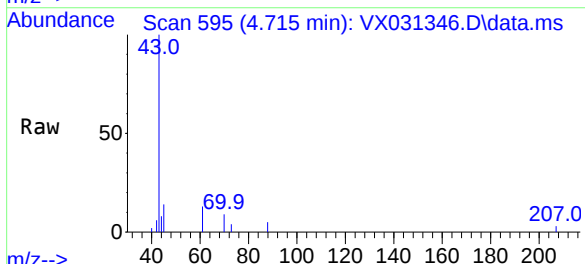
RT: 4.715 min Scan# 595

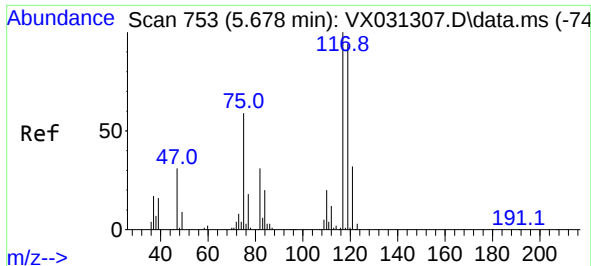
Delta R.T. -0.006 min

Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

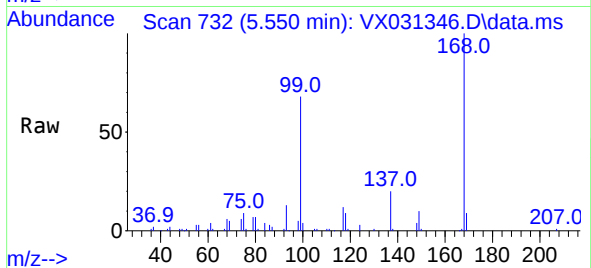
Tgt Ion: 43	Resp: 11459
Ion Ratio	Lower Upper
43 100	
61 11.4	11.1 16.7
70 8.9	8.6 13.0



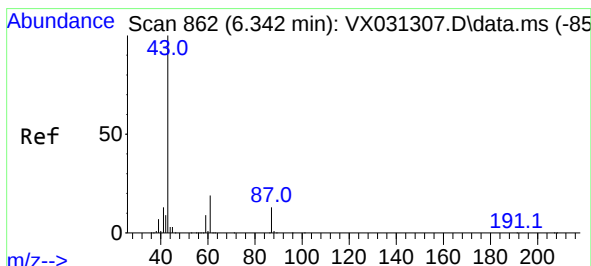
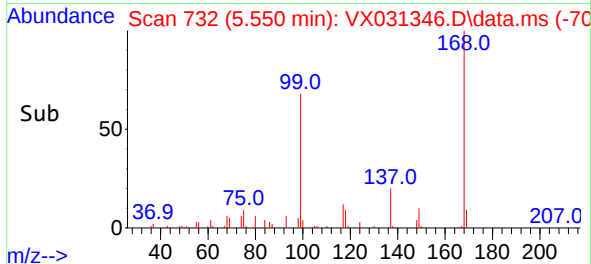
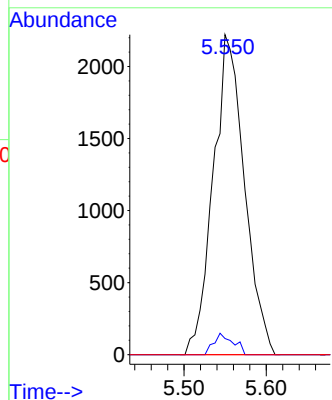


#38
Carbon Tetrachloride
Concen: 3.681 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

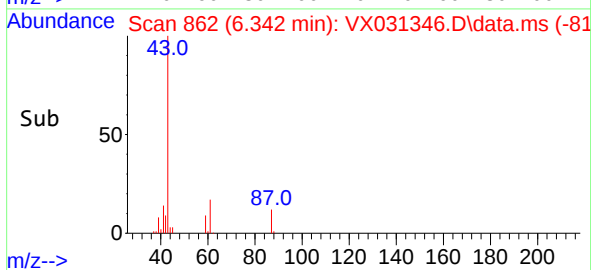
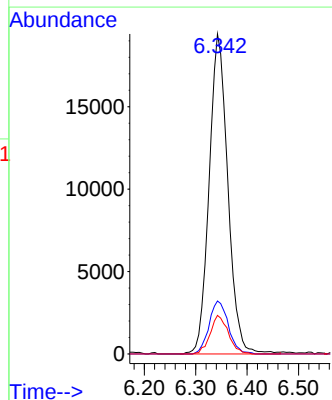
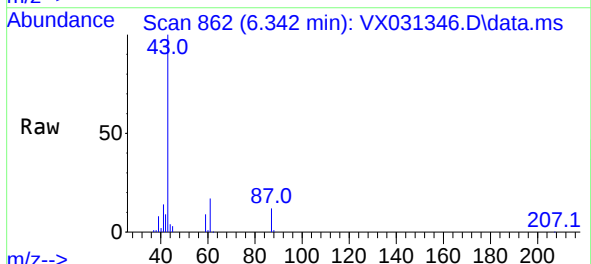


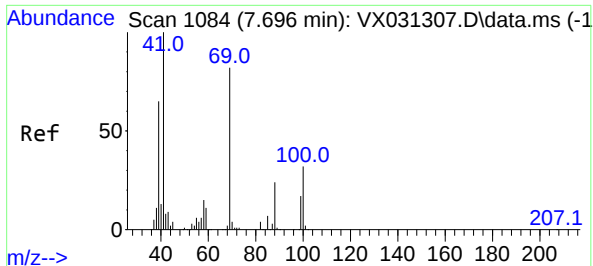
Tgt Ion:117 Resp: 5866
Ion Ratio Lower Upper
117 100
119 5.0 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 14.927 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

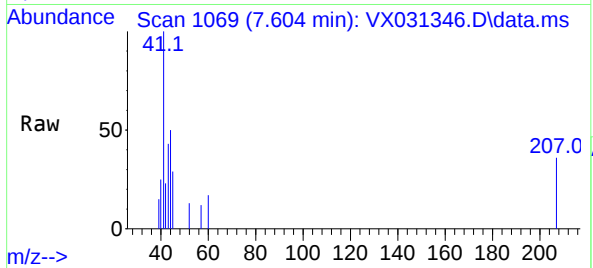
Tgt Ion: 43 Resp: 49090
Ion Ratio Lower Upper
43 100
61 17.0 15.3 22.9
87 11.7 10.6 15.8



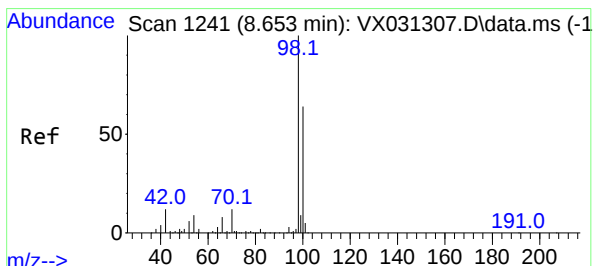
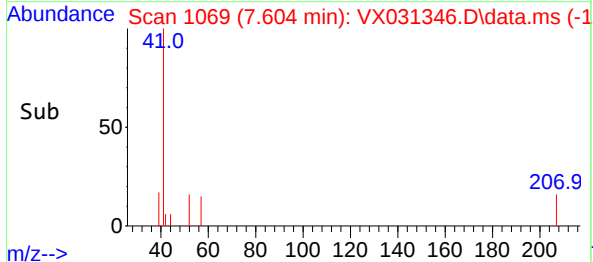
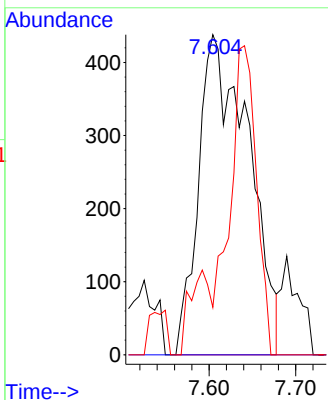


#48
Methyl methacrylate
Concen: 1.174 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

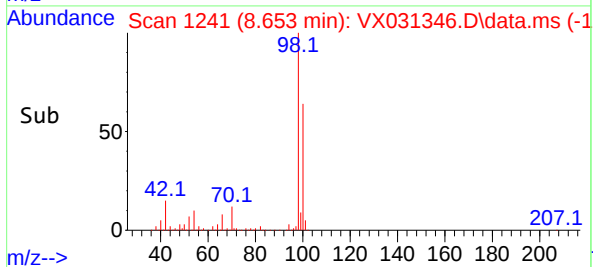
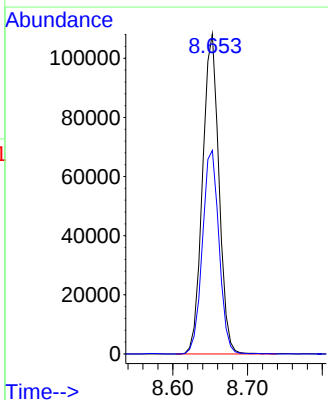
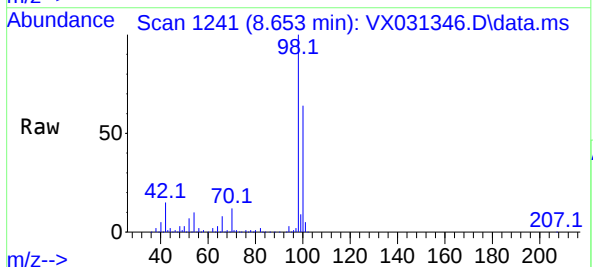


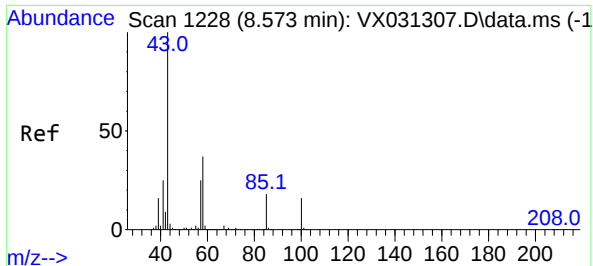
Tgt Ion: 41 Resp: 1757
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 51.4 77.0#



#50
Toluene-d8
Concen: 40.944 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 98 Resp: 164508
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 19.008 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

Instrument :

MSVOA_X

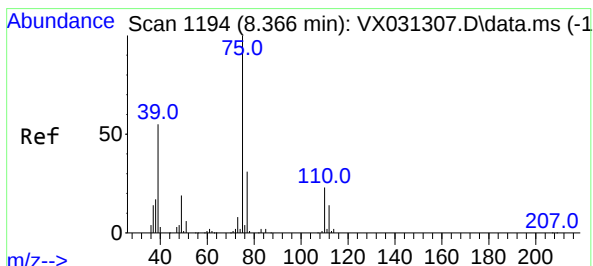
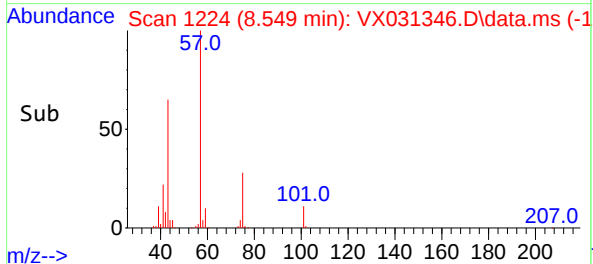
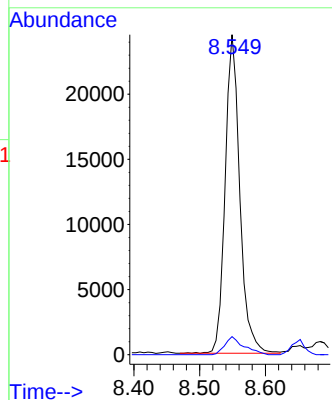
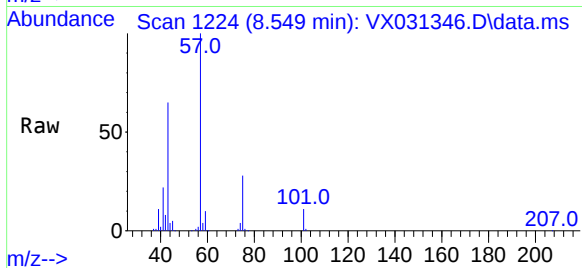
ClientSampleId :

Tgt Ion: 43 Resp: 37996

Ion Ratio Lower Upper

43 100

58 7.3 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.672 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031346.D

Acq: 15 Sep 2022 08:19

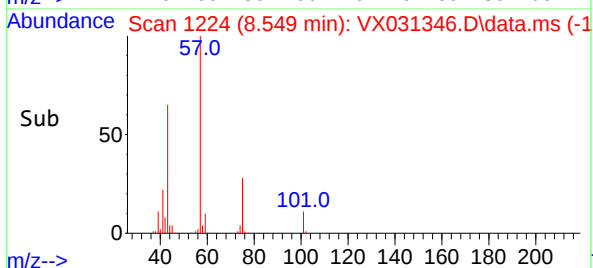
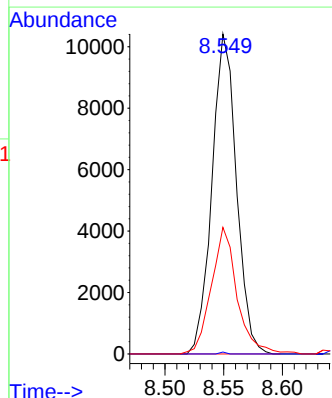
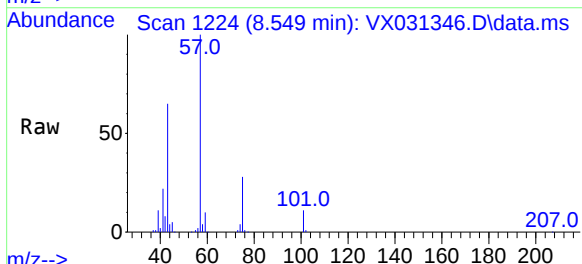
Tgt Ion: 75 Resp: 15084

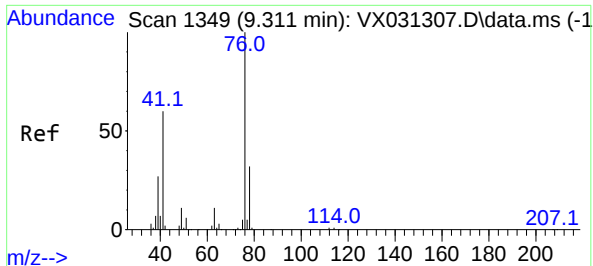
Ion Ratio Lower Upper

75 100

77 0.6 24.4 36.6#

39 39.6 43.7 65.5#

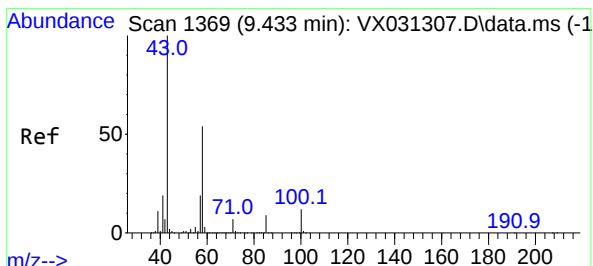
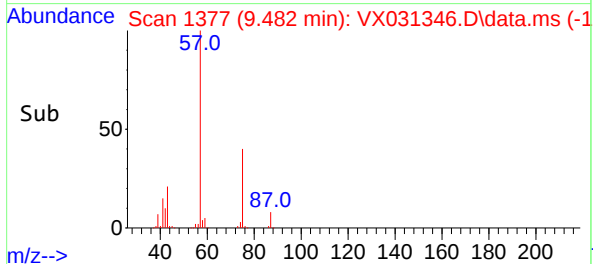
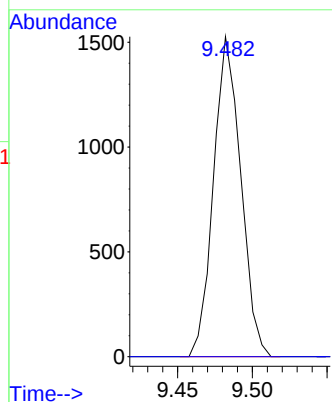
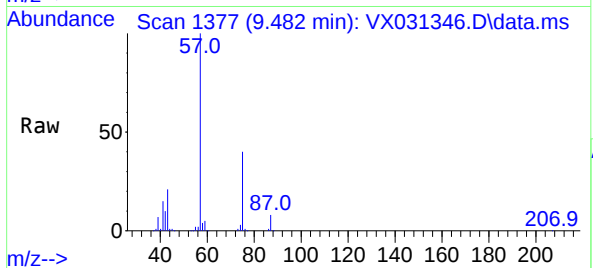




#57
1,3-Dichloropropane
Concen: 0.957 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

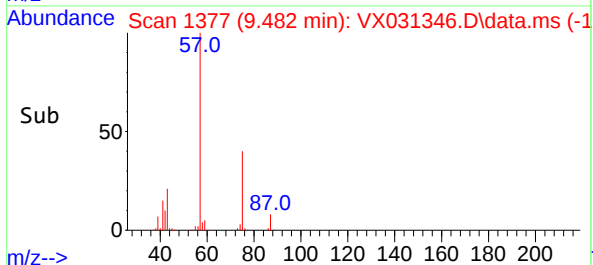
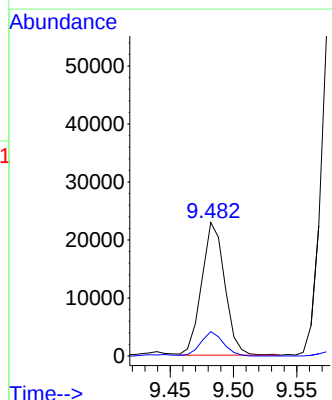
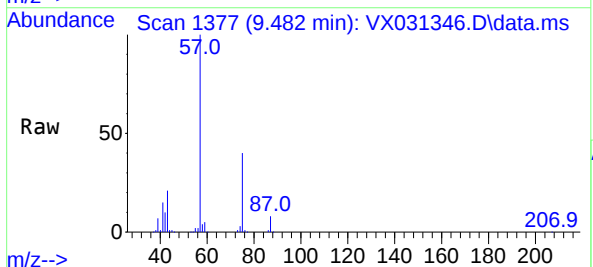
Instrument :
MSVOA_X
ClientSampleId :

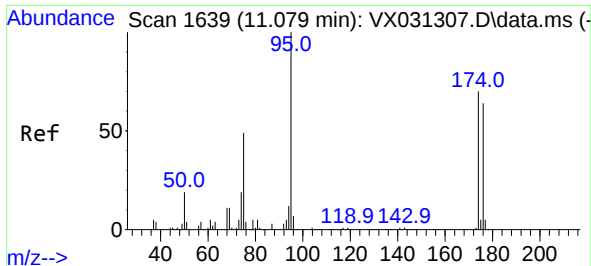
Tgt Ion: 76 Resp: 1933
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 19.036 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 43 Resp: 29042
Ion Ratio Lower Upper
43 100
58 17.7 26.7 80.0#

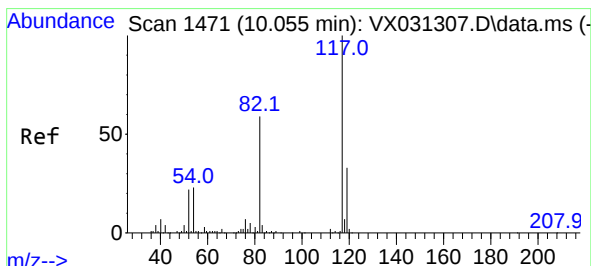
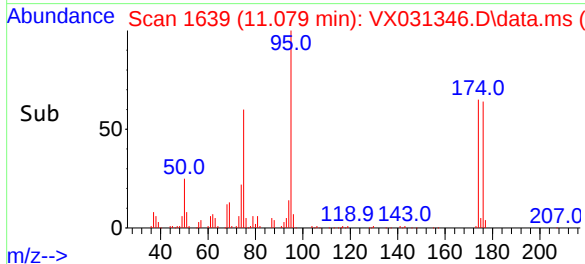
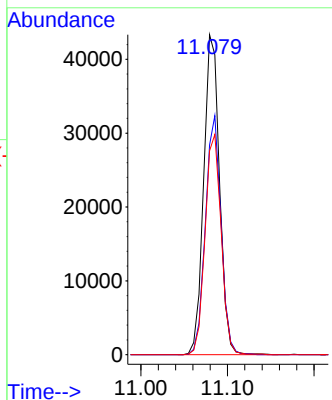
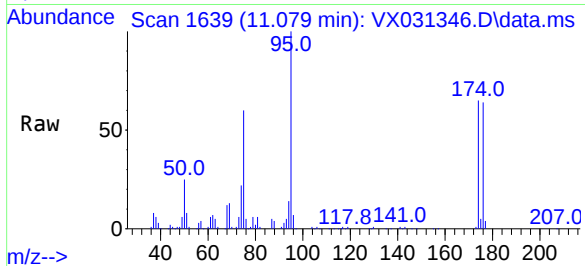




#62
4-Bromofluorobenzene
Concen: 37.398 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

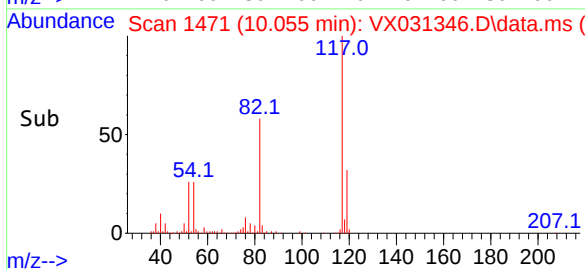
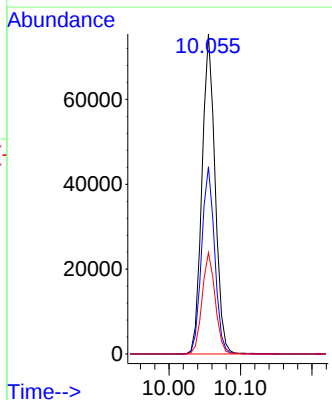
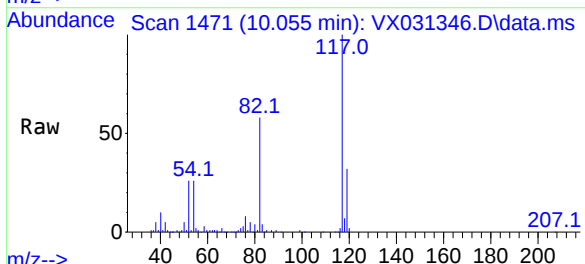
Instrument :
MSVOA_X
ClientSampleId :

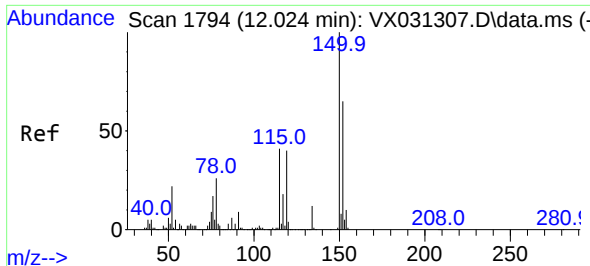
Tgt Ion: 95 Resp: 55024
Ion Ratio Lower Upper
95 100
174 73.8 0.0 153.2
176 69.9 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

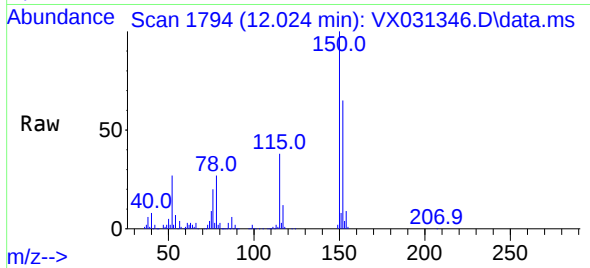
Tgt Ion: 117 Resp: 95983
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 31.7 26.4 39.6



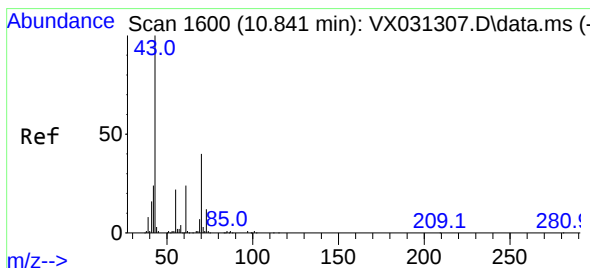
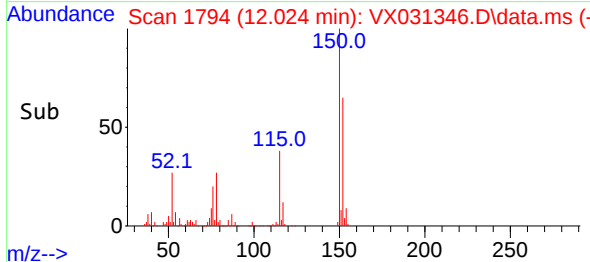
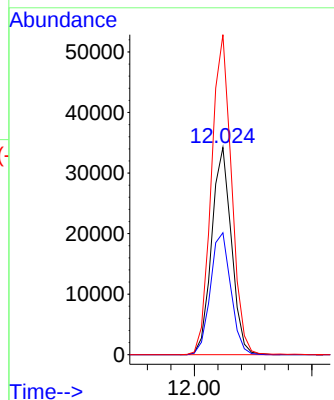


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

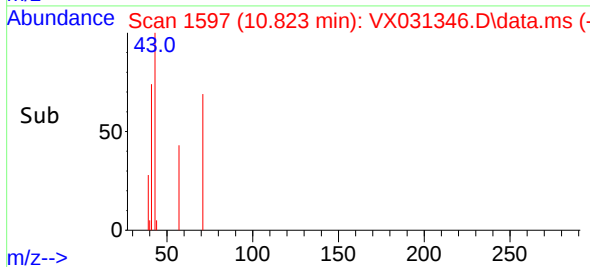
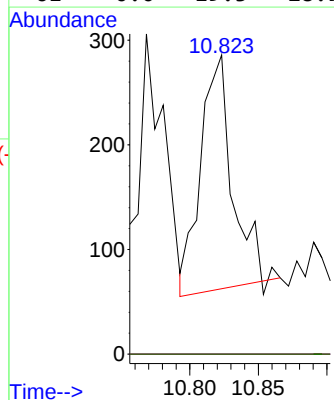
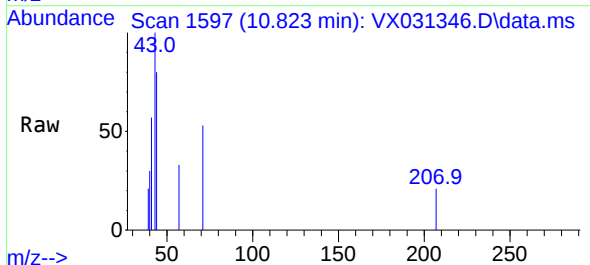


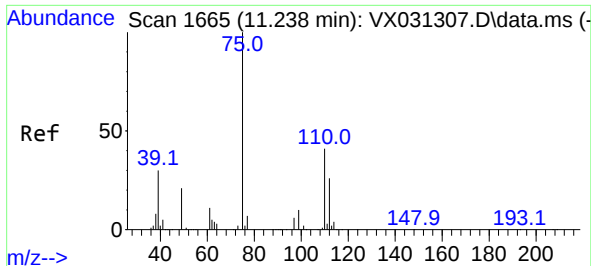
Tgt Ion:152 Resp: 39949
Ion Ratio Lower Upper
152 100
115 60.9 43.4 130.1
150 157.6 0.0 346.8



#74
N-ethyl acetate
Concen: 0.248 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 43 Resp: 364
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#

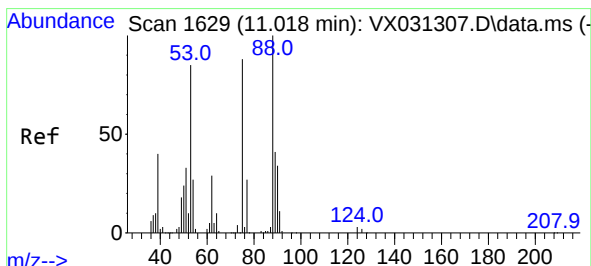
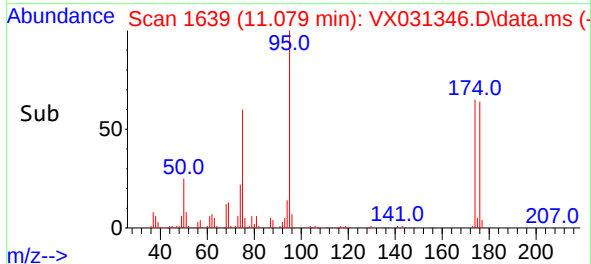
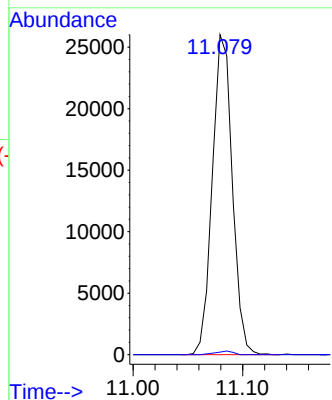
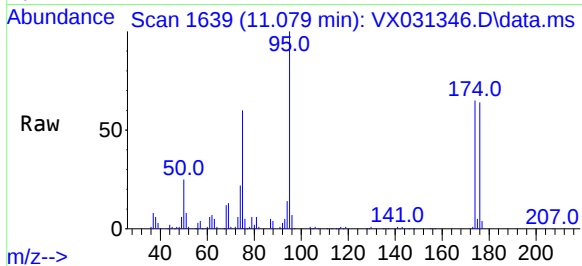




#76
1,2,3-Trichloropropane
Concen: 32.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 32929
Ion Ratio Lower Upper
75 100
77 1.0 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.507 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031346.D
Acq: 15 Sep 2022 08:19

Tgt Ion: 75 Resp: 32929
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

