

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031349.D
 Acq On : 15 Sep 2022 09:29
 Operator : JC/MD
 Sample : N4539-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:13:51 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)

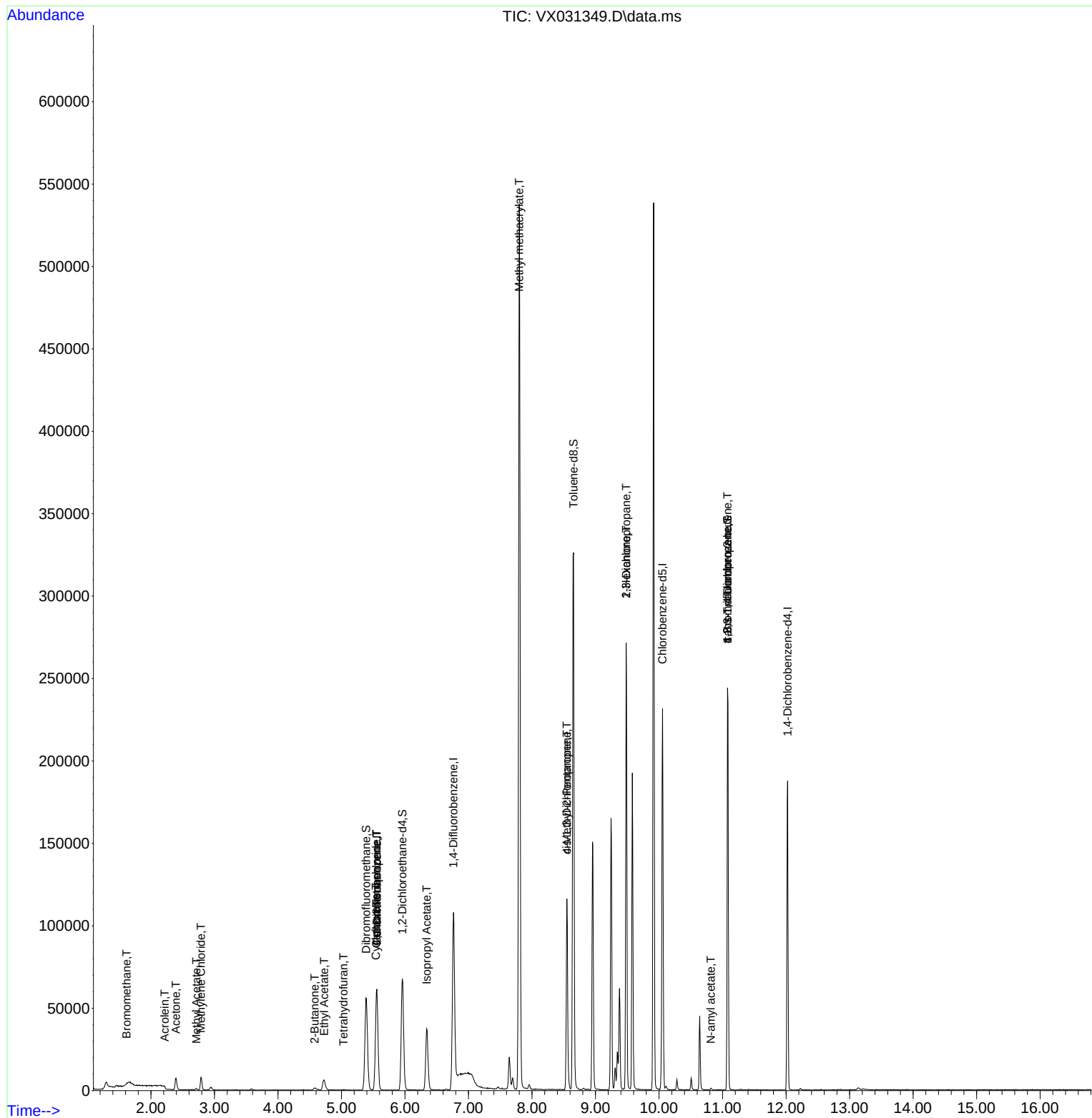
Internal Standards						
1) Pentafluorobenzene	5.556	168	53811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	97608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	34373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63571	48.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.260%		
35) Dibromofluoromethane	5.385	113	47182	44.969	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.940%		
50) Toluene-d8	8.653	98	185804	47.209	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.420%		
62) 4-Bromofluorobenzene	11.079	95	59794	41.488	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.980%#		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	210	Below Cal	#	41
5) Bromomethane	1.617	94	162	0.230	ug/l	81
11) Tert butyl alcohol	2.946	59	1155	Below Cal	#	73
13) Acrolein	2.215	56	49	0.321	ug/l	# 15
16) Acetone	2.392	43	9173	16.268	ug/l	97
18) Methyl Acetate	2.715	43	1205	0.721	ug/l	# 87
20) Methylene Chloride	2.788	84	3239	1.339	ug/l	95
25) 2-Butanone	4.574	43	743	0.799	ug/l	96
29) Tetrahydrofuran	5.031	42	282	0.489	ug/l	# 32
31) Cyclohexane	5.544	56	1747	1.231	ug/l	# 56
36) 1,1-Dichloropropene	5.556	75	5104	3.554	ug/l	# 48
37) Ethyl Acetate	4.727	43	11209	5.939	ug/l	# 90
38) Carbon Tetrachloride	5.550	117	5775	3.699	ug/l	# 17
43) Isopropyl Acetate	6.342	43	53234	16.525	ug/l	96
48) Methyl methacrylate	7.799	41	47953	32.700	ug/l	# 45
51) 4-Methyl-2-Pentanone	8.549	43	41259	21.071	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	17007	8.831	ug/l	# 64
57) 1,3-Dichloropropane	9.482	76	2074	1.048	ug/l	# 43
59) 2-Hexanone	9.482	43	32534	21.770	ug/l	# 50
74) N-amyl acetate	10.817	43	476	0.377	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	35961	41.516	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	35961	114.875	ug/l	# 11

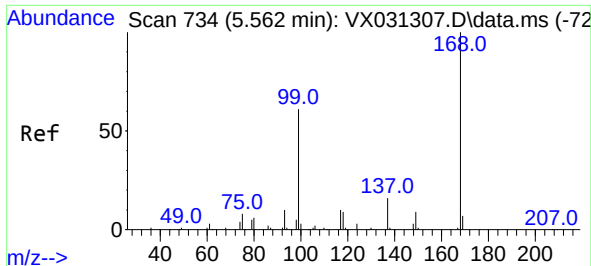
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Sep 15 11:13:51 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

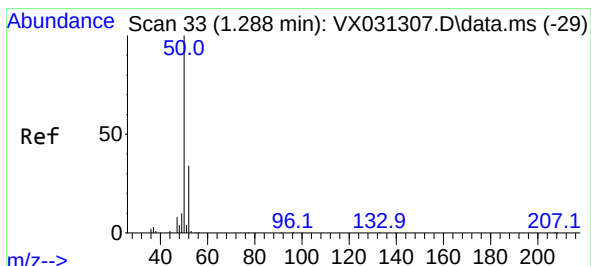
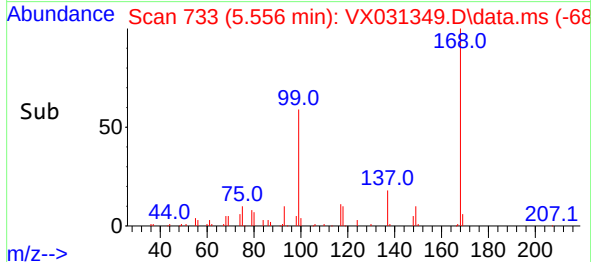
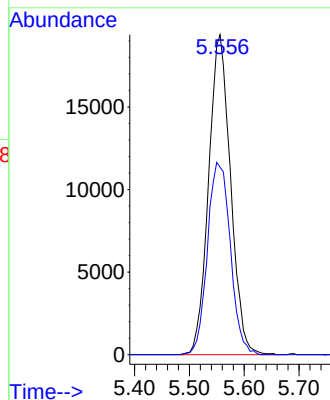
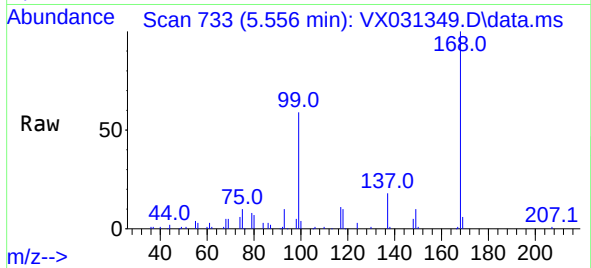




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

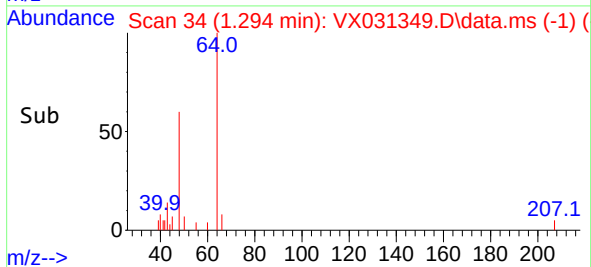
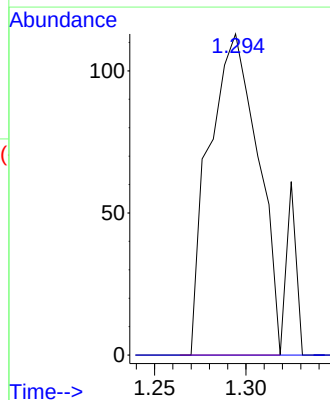
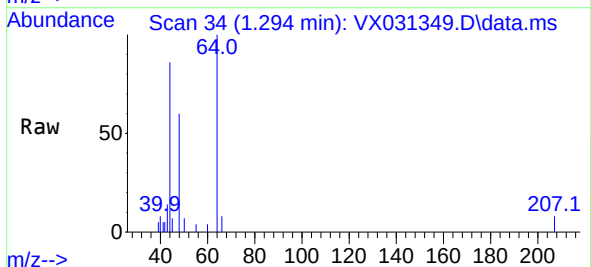
Instrument :
MSVOA_X
ClientSampleId :

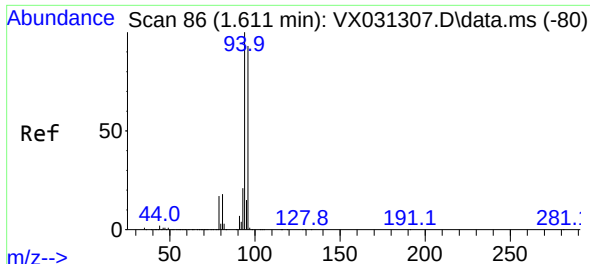
Tgt Ion:168 Resp: 53811
Ion Ratio Lower Upper
168 100
99 58.6 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 50 Resp: 210
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

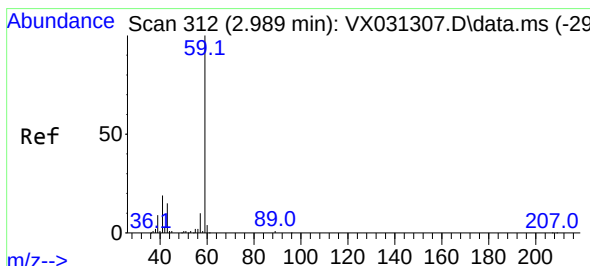
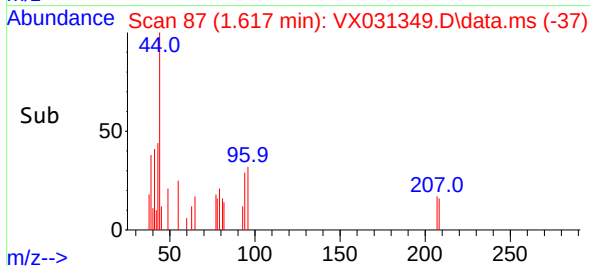
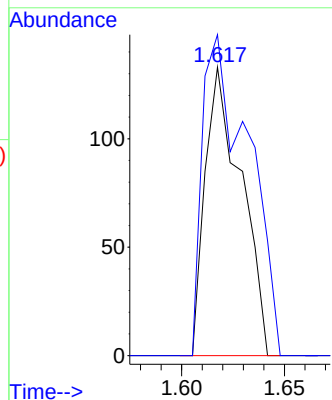
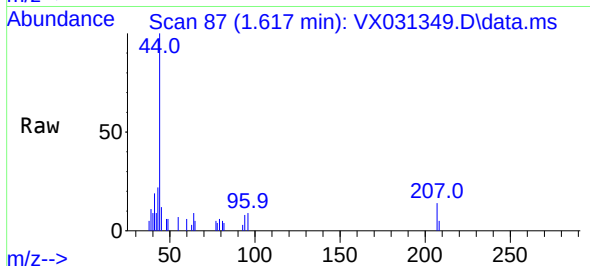




#5
Bromomethane
Concen: 0.230 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

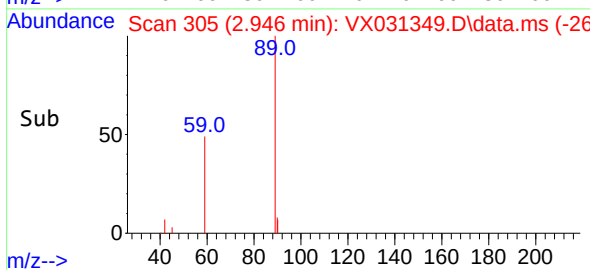
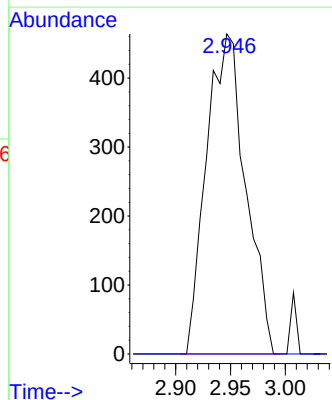
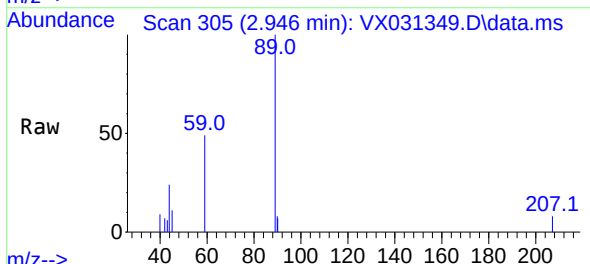
Instrument :
MSVOA_X
ClientSampleId :

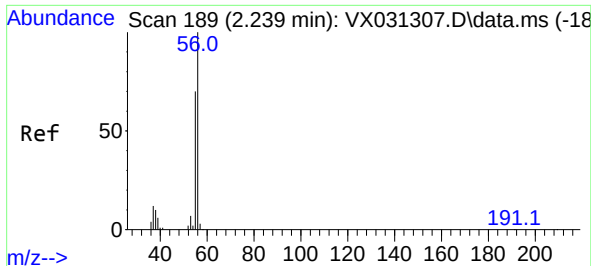
Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 111.3 74.4 111.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.043 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 59 Resp: 1155
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

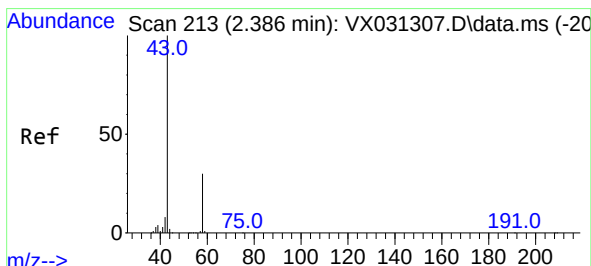
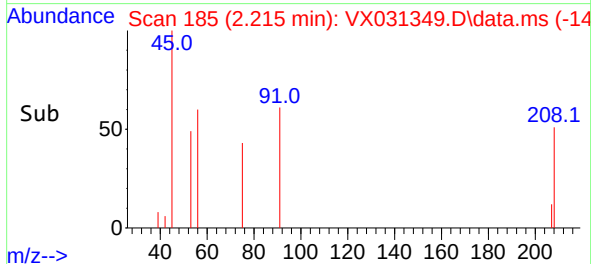
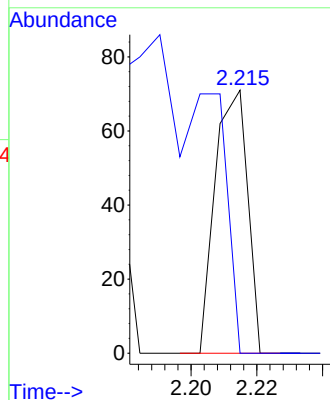
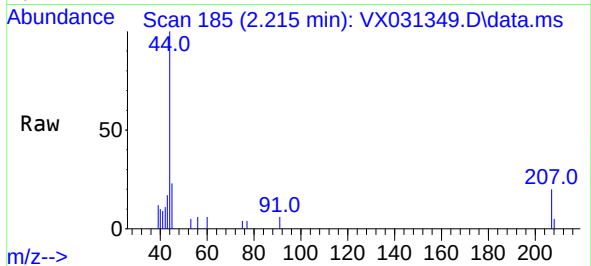




#13
Acrolein
Concen: 0.321 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

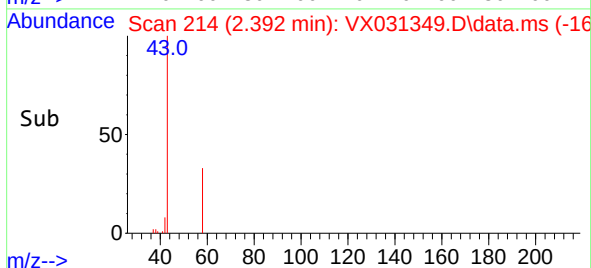
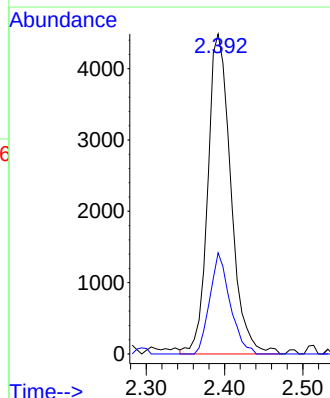
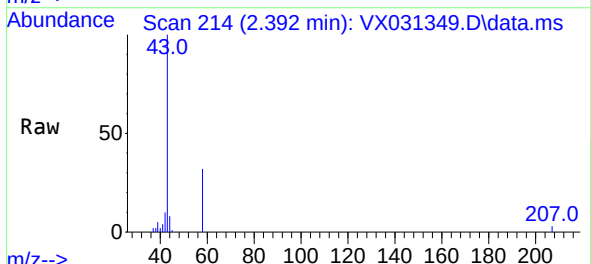
Instrument :
MSVOA_X
ClientSampleId :

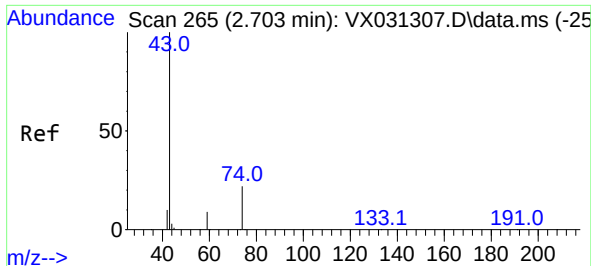
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 16.268 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 43 Resp: 9173
Ion Ratio Lower Upper
43 100
58 31.6 23.8 35.8





#18

Methyl Acetate

Concen: 0.721 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Instrument :

MSVOA_X

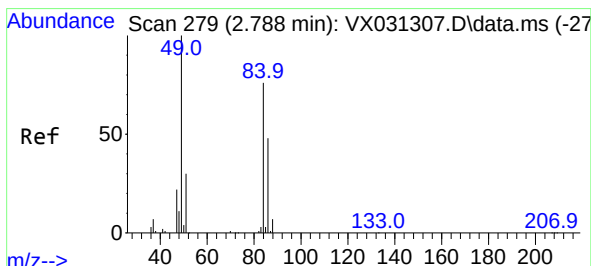
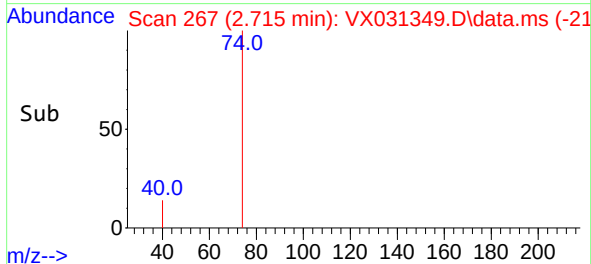
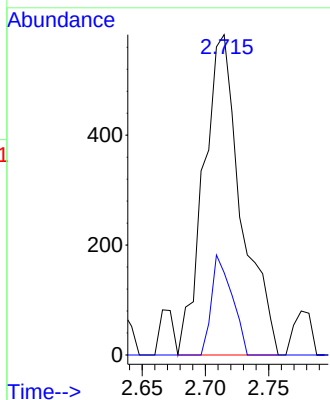
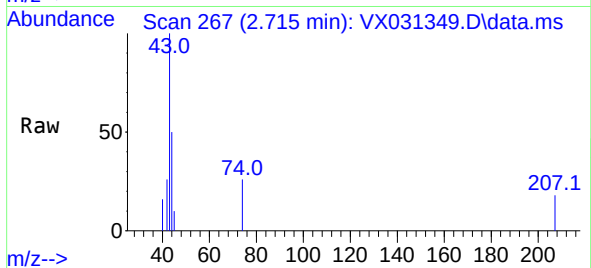
ClientSampleId :

Tgt Ion: 43 Resp: 1205

Ion Ratio Lower Upper

43 100

74 17.0 18.6 27.8#



#20

Methylene Chloride

Concen: 1.339 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Tgt Ion: 84 Resp: 3239

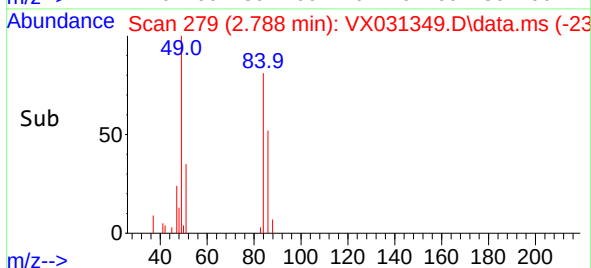
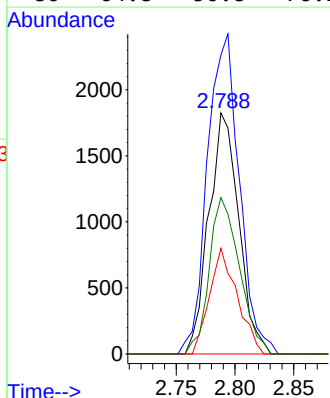
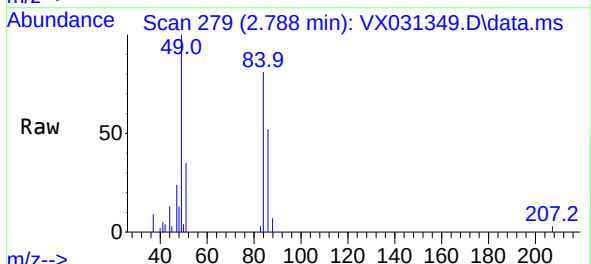
Ion Ratio Lower Upper

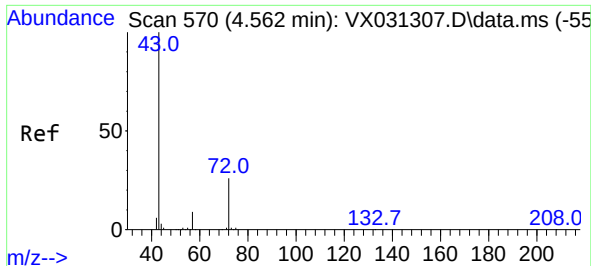
84 100

49 124.1 105.9 158.9

51 43.8 32.2 48.2

86 64.8 50.8 76.2





#25

2-Butanone

Concen: 0.799 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

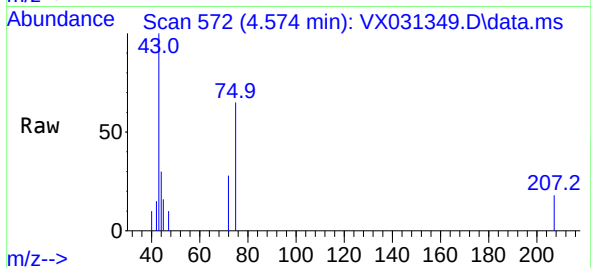
Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Instrument :

MSVOA_X

ClientSampleId :

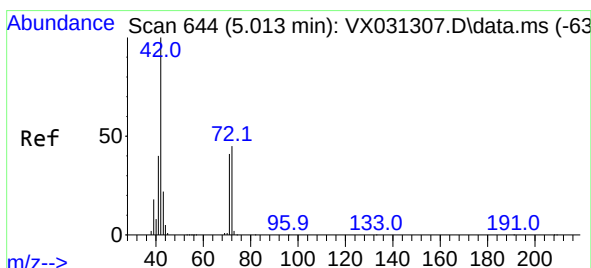
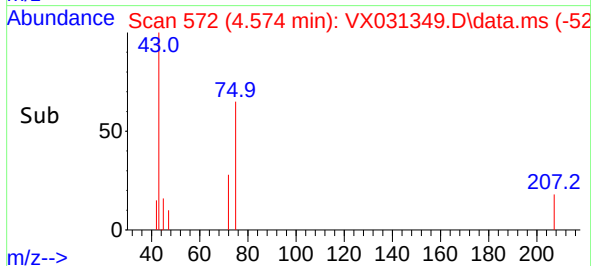
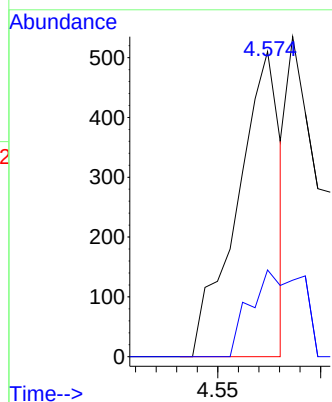


Tgt Ion: 43 Resp: 743

Ion Ratio Lower Upper

43 100

72 28.4 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

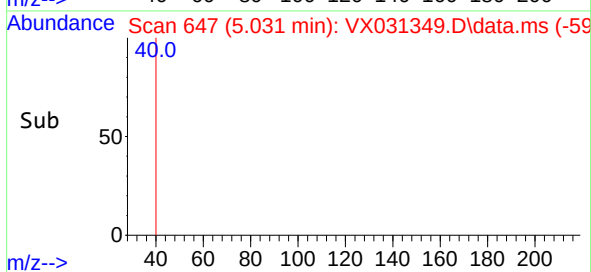
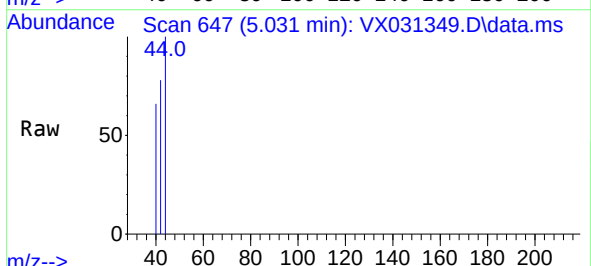
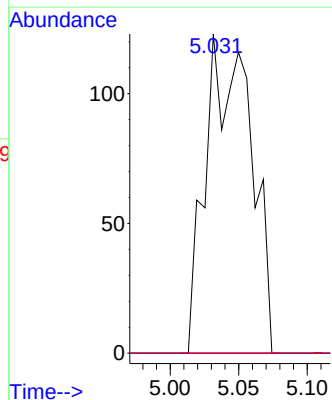
Tgt Ion: 42 Resp: 282

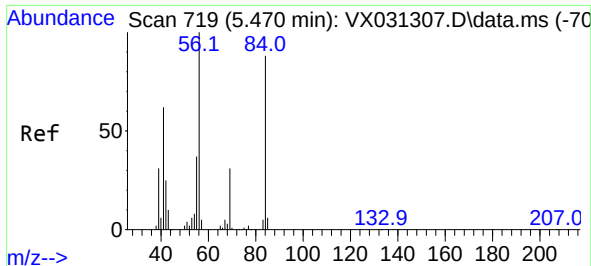
Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

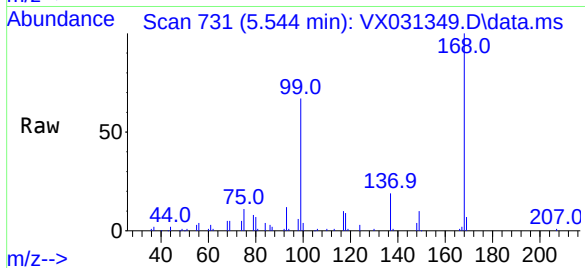
71 0.0 33.5 50.3#



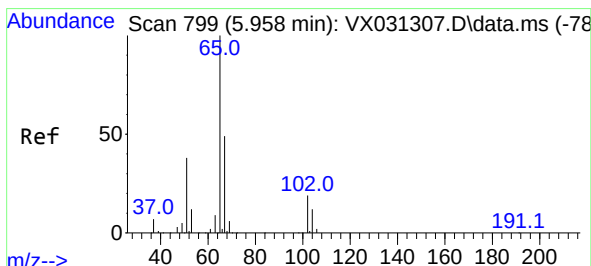
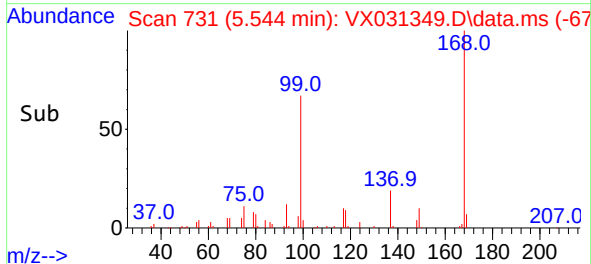
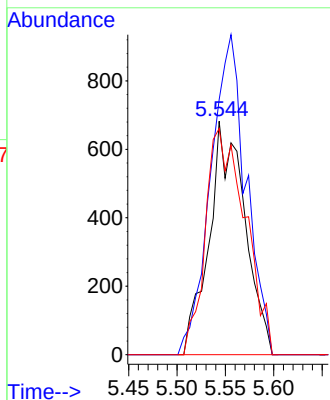


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Instrument :
MSVOA_X
ClientSampleId :

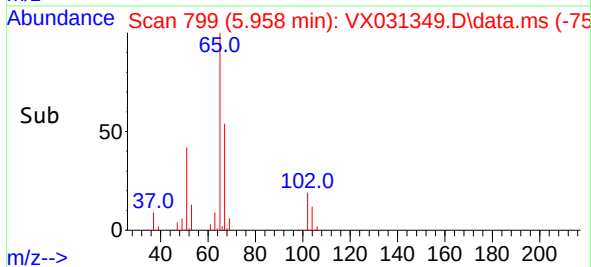
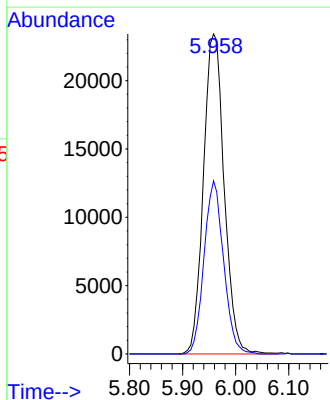
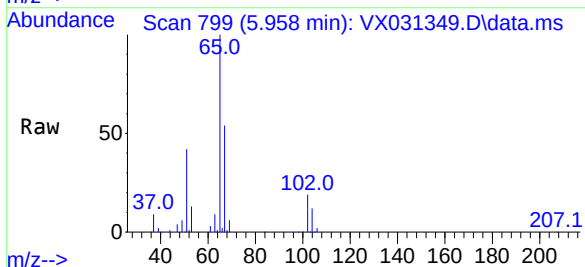


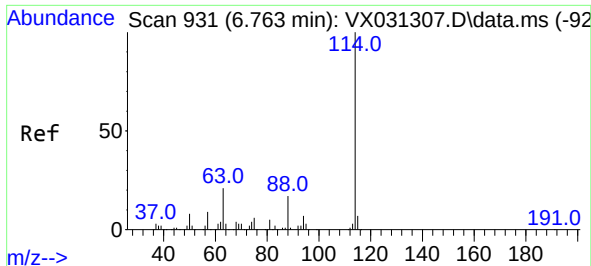
Tgt Ion: 56 Resp: 1747
Ion Ratio Lower Upper
56 100
69 109.2 25.1 37.7#
84 96.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 48.130 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

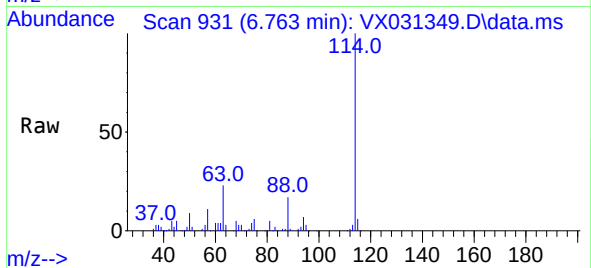
Tgt Ion: 65 Resp: 63571
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4



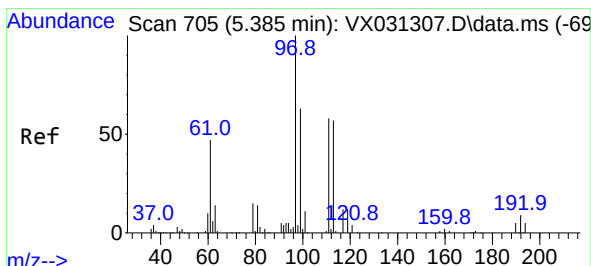
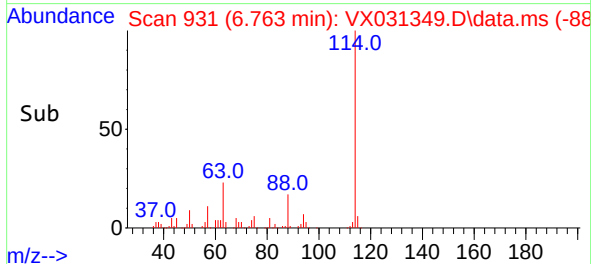
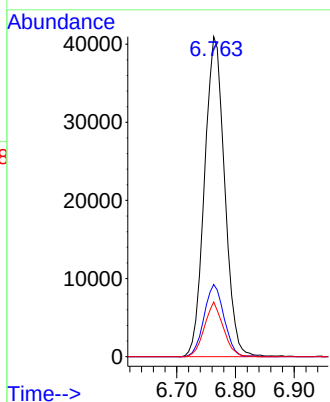


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Instrument :
MSVOA_X
ClientSampleId :

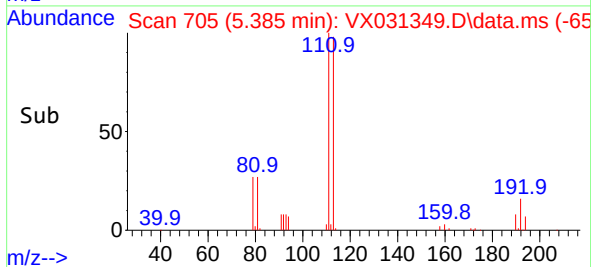
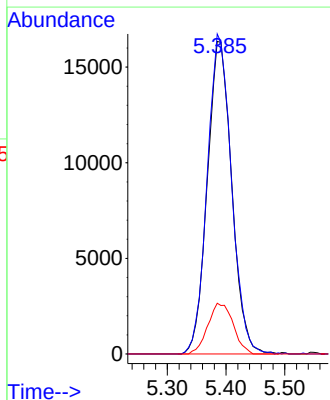
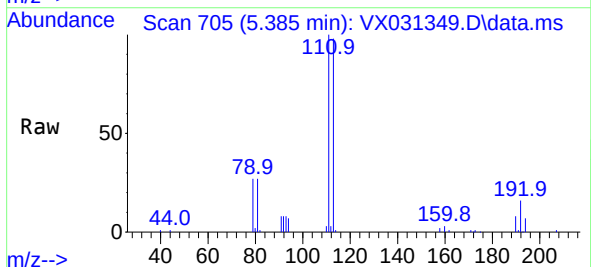


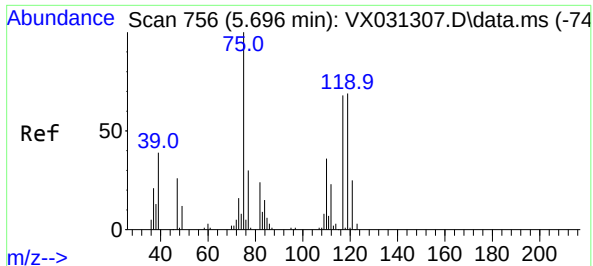
Tgt Ion:114 Resp: 97608
Ion Ratio Lower Upper
114 100
63 22.5 0.0 42.6
88 17.1 0.0 33.0



#35
Dibromofluoromethane
Concen: 44.969 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion:113 Resp: 47182
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 16.8 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.554 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

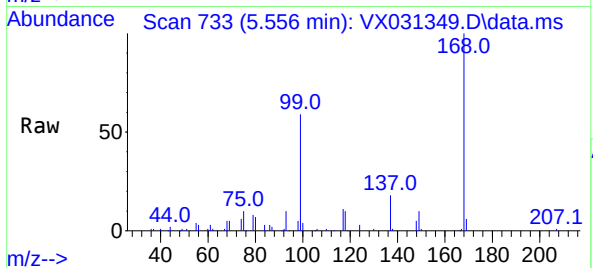
Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Instrument :

MSVOA_X

ClientSampleId :



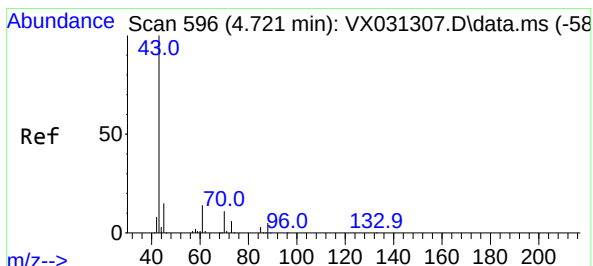
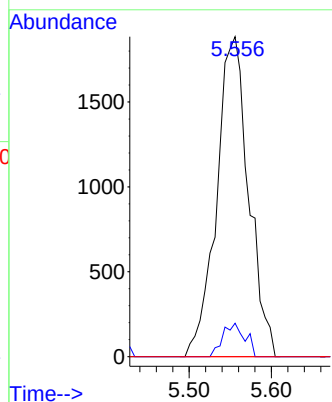
Tgt Ion: 75 Resp: 5104

Ion Ratio Lower Upper

75 100

110 7.2 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

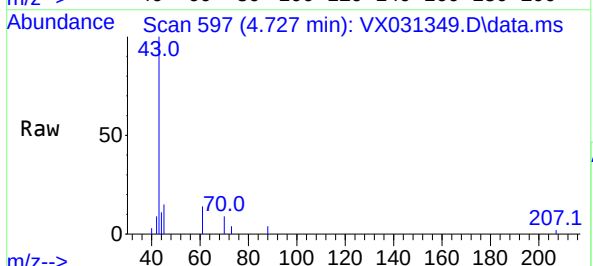
Concen: 5.939 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.006 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29



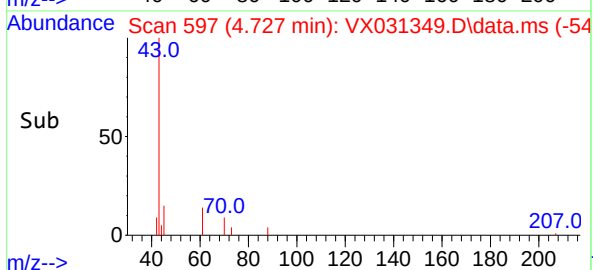
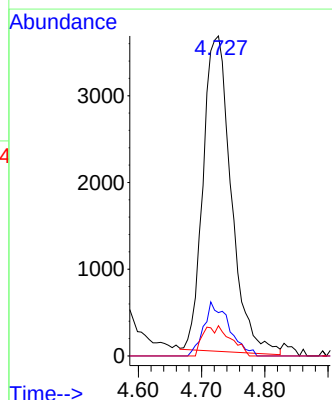
Tgt Ion: 43 Resp: 11209

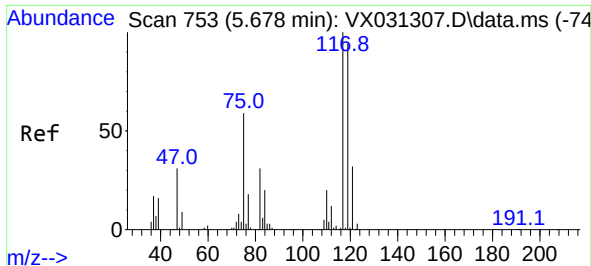
Ion Ratio Lower Upper

43 100

61 15.5 11.1 16.7

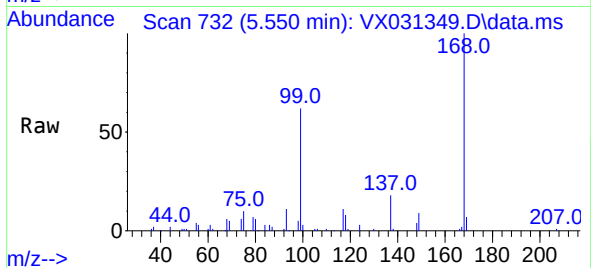
70 4.4 8.6 13.0#



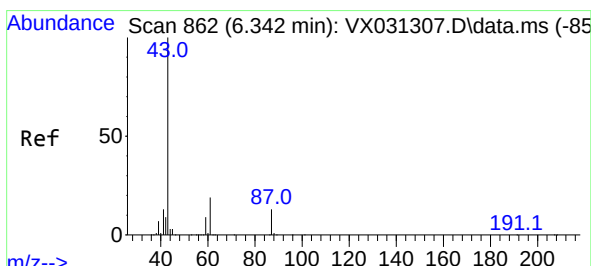
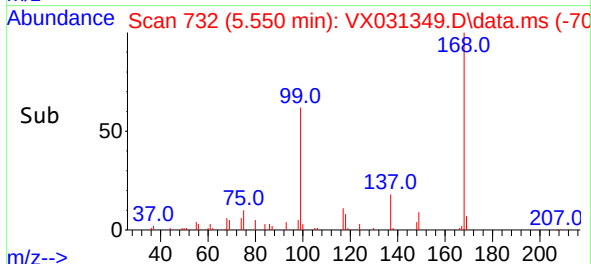
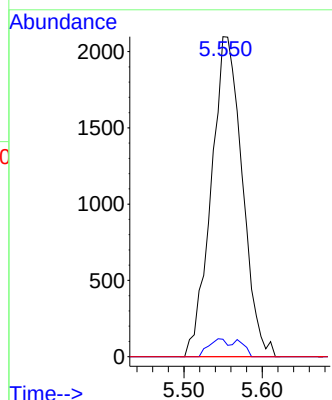


#38
Carbon Tetrachloride
Concen: 3.699 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Instrument :
MSVOA_X
ClientSampleId :

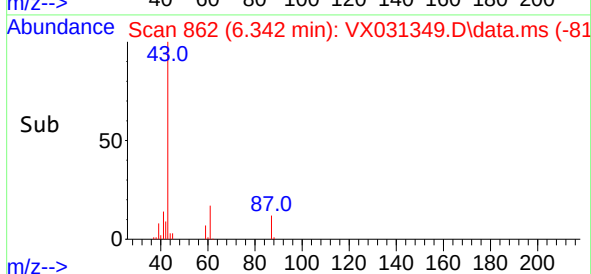
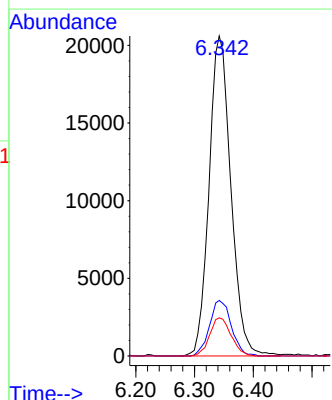
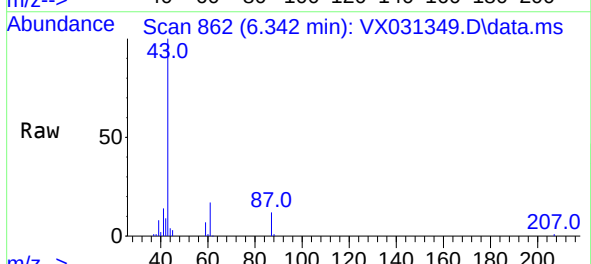


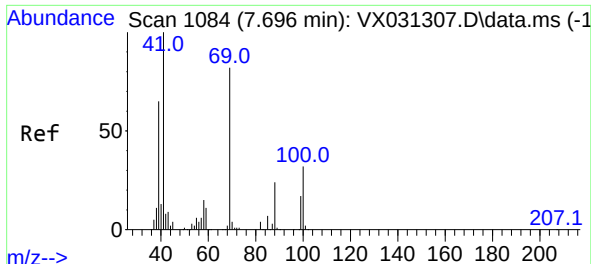
Tgt Ion:117 Resp: 5775
Ion Ratio Lower Upper
117 100
119 5.4 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 16.525 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 43 Resp: 53234
Ion Ratio Lower Upper
43 100
61 17.3 15.3 22.9
87 11.7 10.6 15.8





#48

Methyl methacrylate

Concen: 32.700 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX031349.D

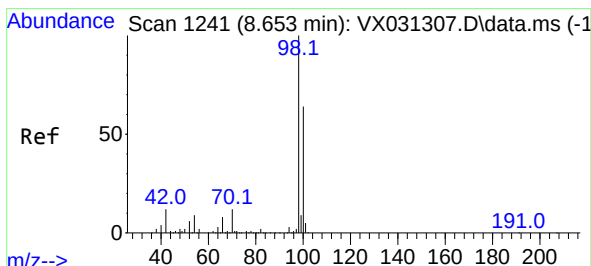
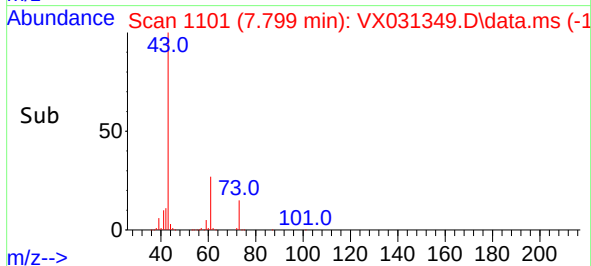
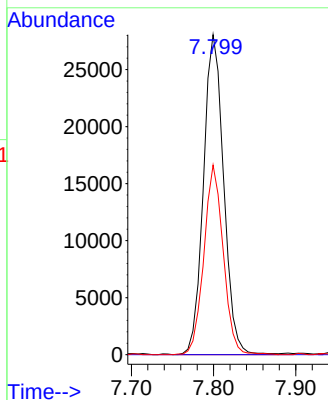
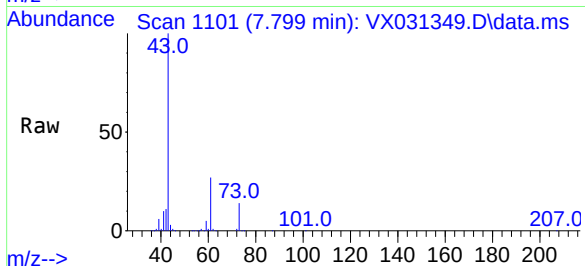
Acq: 15 Sep 2022 09:29

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	41	Resp:	47953
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	56.8	51.4	77.0



#50

Toluene-d8

Concen: 47.209 ug/l

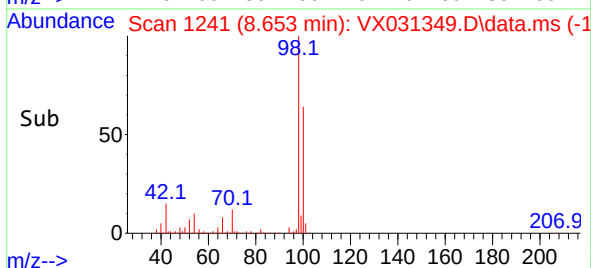
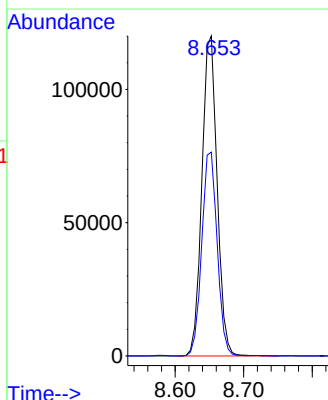
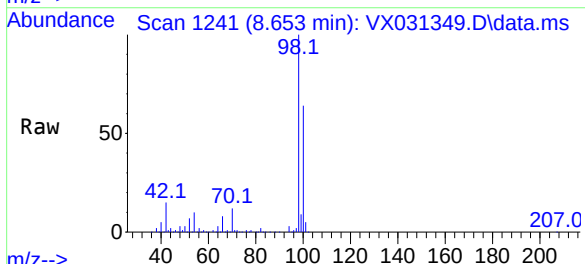
RT: 8.653 min Scan# 1241

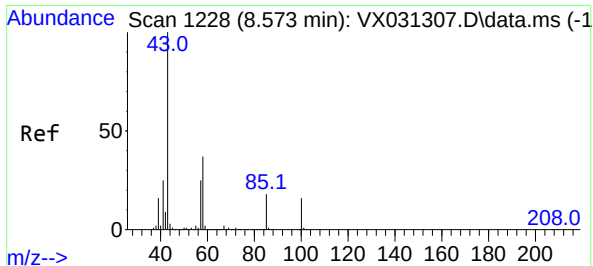
Delta R.T. 0.000 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Tgt Ion:	98	Resp:	185804
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 21.071 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

Instrument :

MSVOA_X

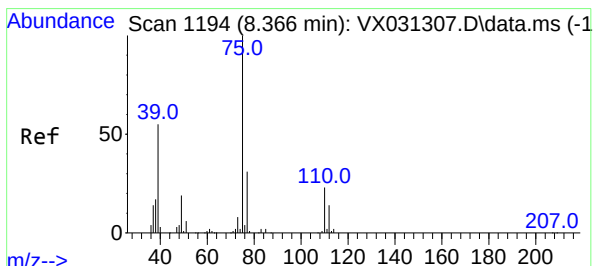
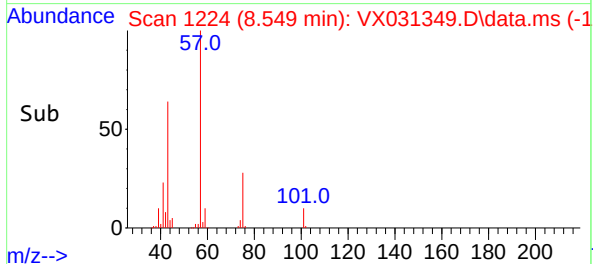
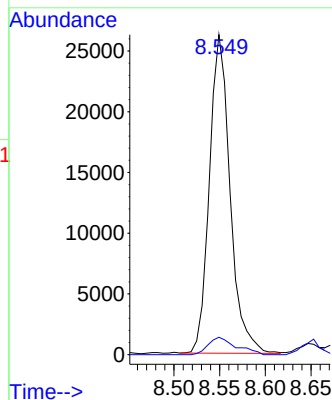
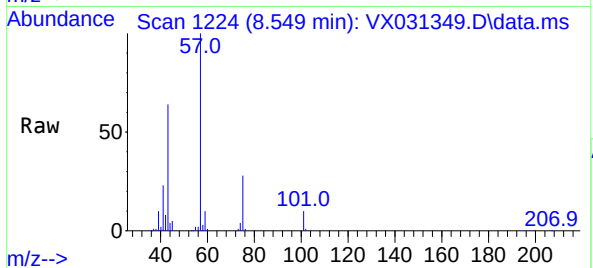
ClientSampleId :

Tgt Ion: 43 Resp: 41259

Ion Ratio Lower Upper

43 100

58 7.3 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 8.831 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031349.D

Acq: 15 Sep 2022 09:29

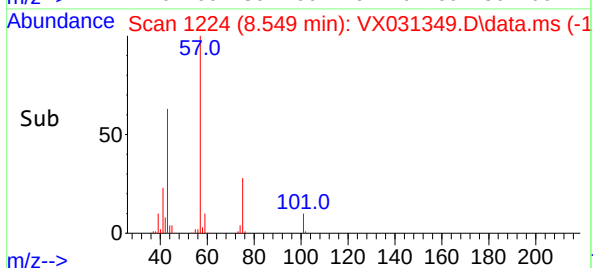
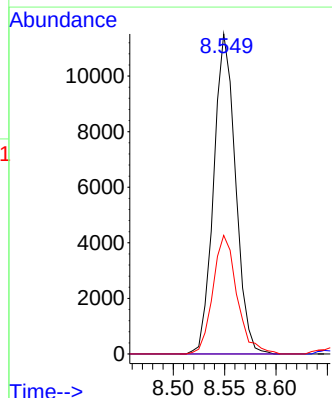
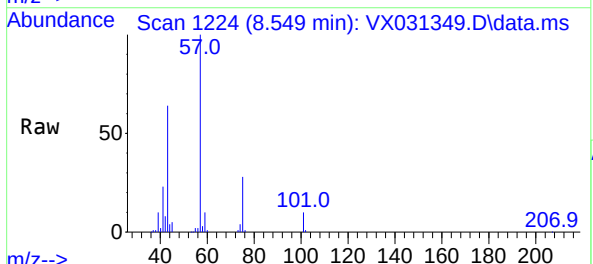
Tgt Ion: 75 Resp: 17007

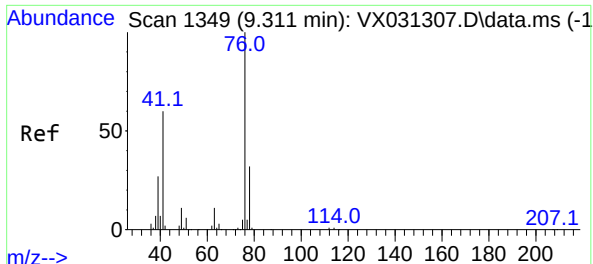
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 37.1 43.7 65.5#

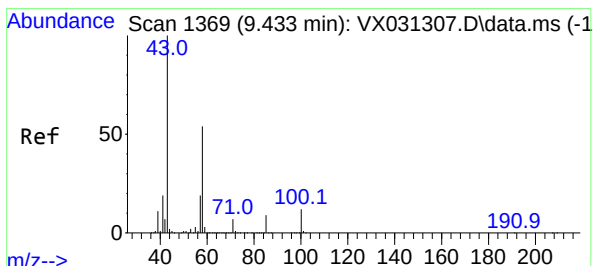
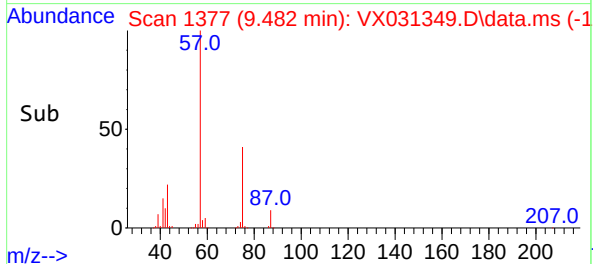
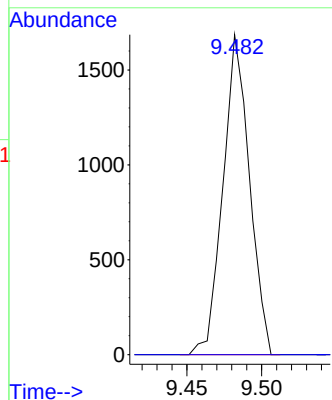
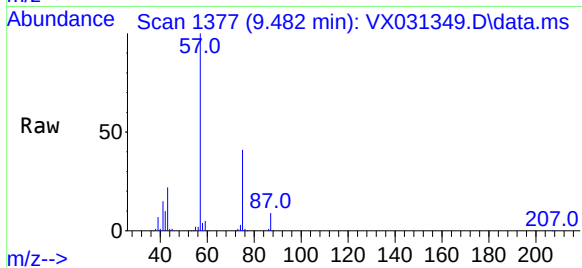




#57
1,3-Dichloropropane
Concen: 1.048 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

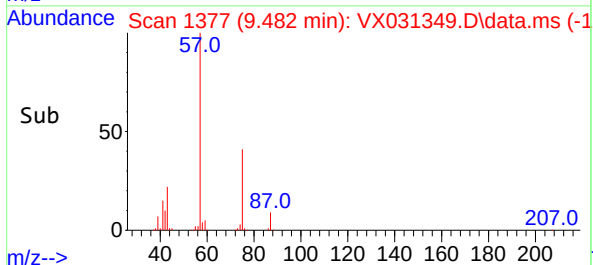
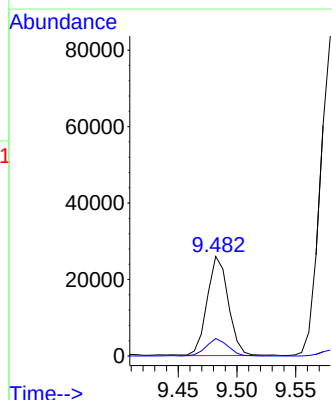
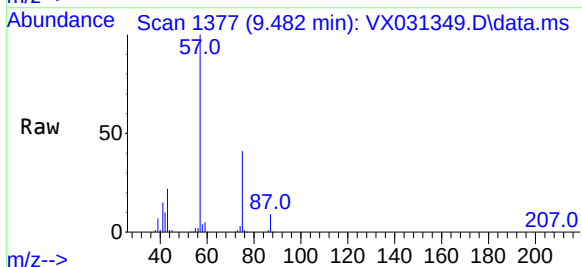
Instrument :
MSVOA_X
ClientSampleId :

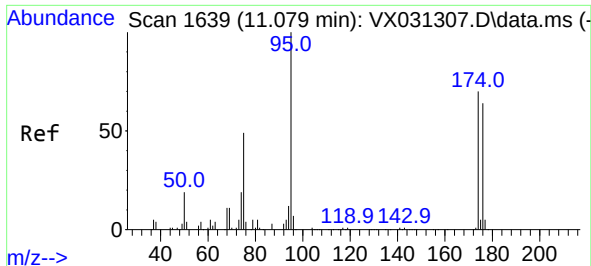
Tgt Ion: 76 Resp: 2074
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 21.770 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 43 Resp: 32534
Ion Ratio Lower Upper
43 100
58 18.0 26.7 80.0#

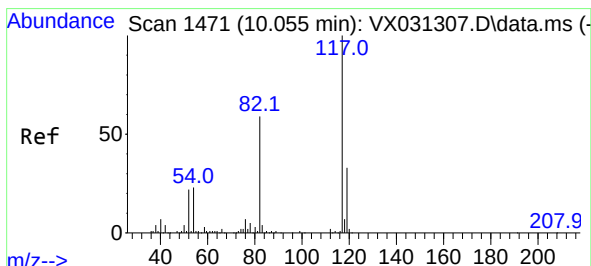
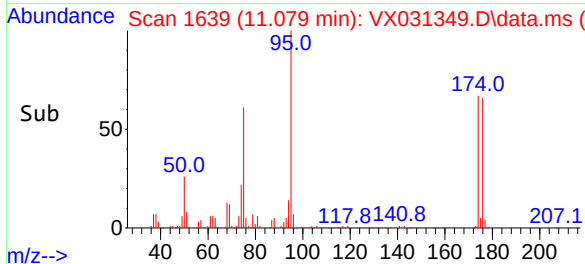
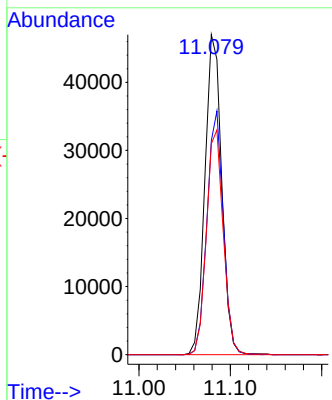
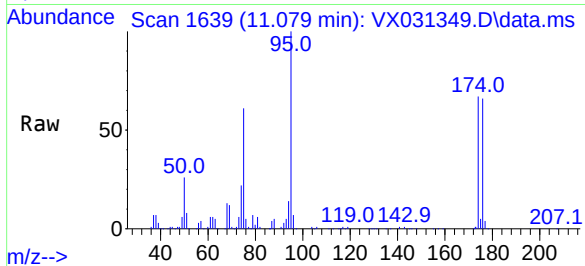




#62
4-Bromofluorobenzene
Concen: 41.488 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

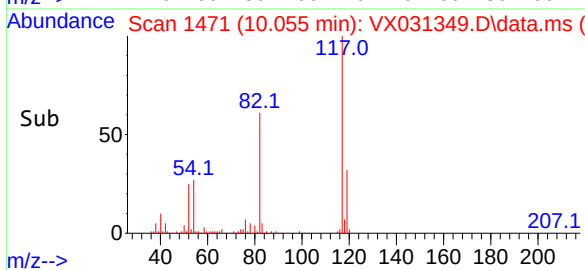
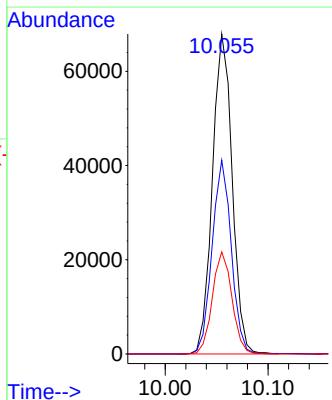
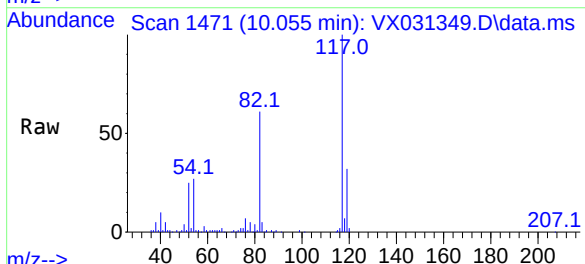
Instrument :
MSVOA_X
ClientSampleId :

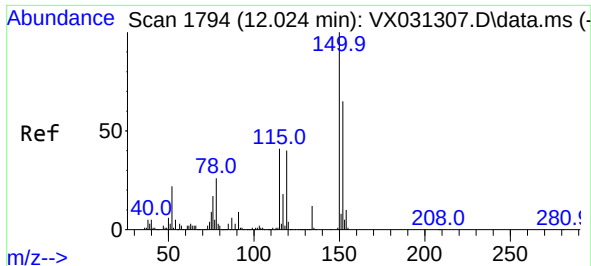
Tgt Ion: 95 Resp: 59794
Ion Ratio Lower Upper
95 100
174 74.2 0.0 153.2
176 70.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

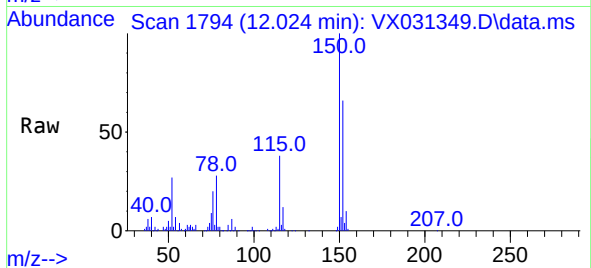
Tgt Ion: 117 Resp: 90552
Ion Ratio Lower Upper
117 100
82 60.5 46.8 70.2
119 31.9 26.4 39.6



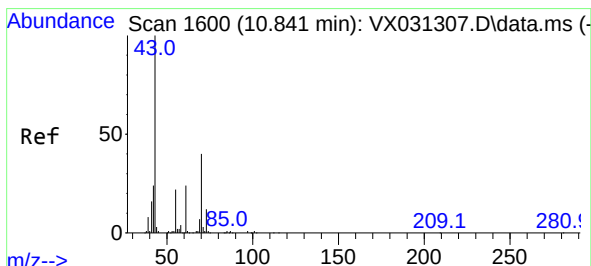
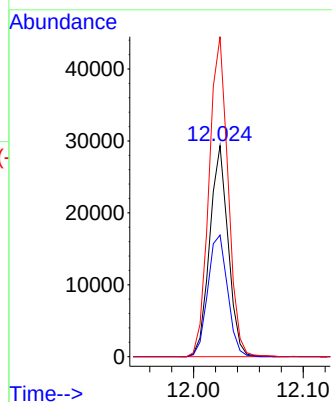
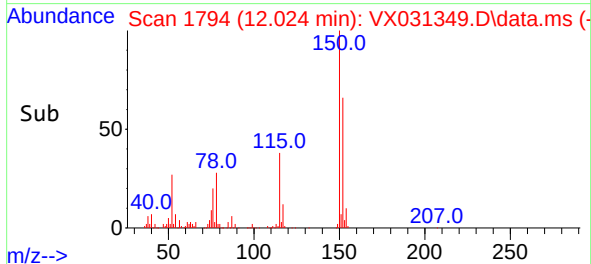


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

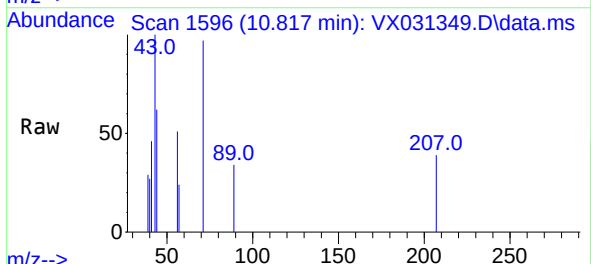
Instrument :
MSVOA_X
ClientSampleId :



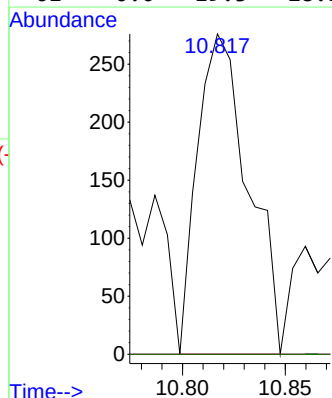
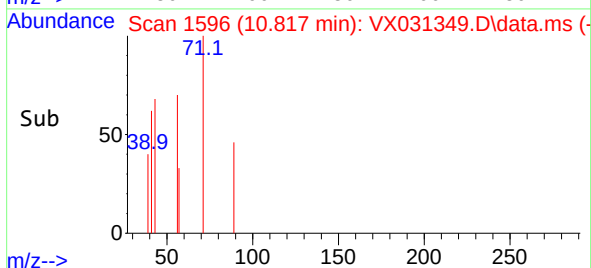
Tgt Ion:152 Resp: 34373
Ion Ratio Lower Upper
152 100
115 61.7 43.4 130.1
150 156.1 0.0 346.8

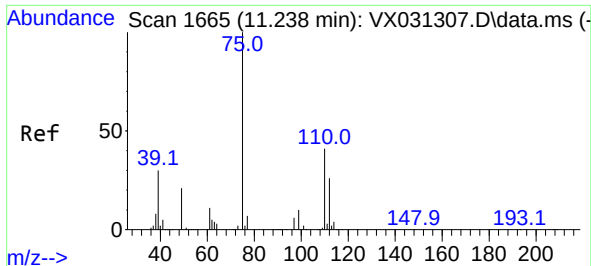


#74
N-ethyl acetate
Concen: 0.377 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29



Tgt Ion: 43 Resp: 476
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#

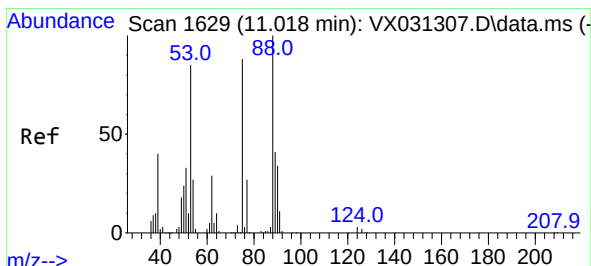
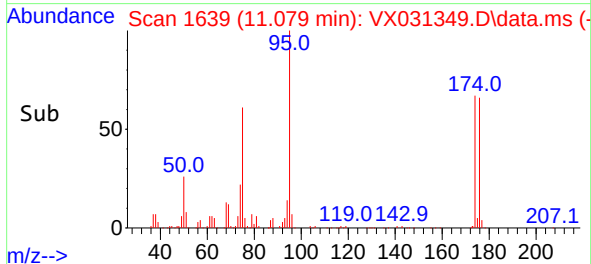
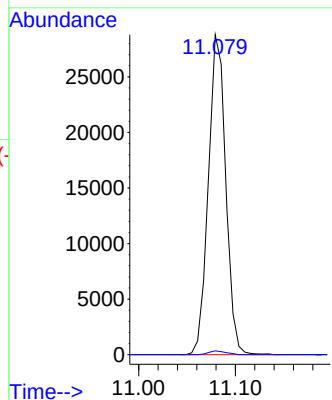
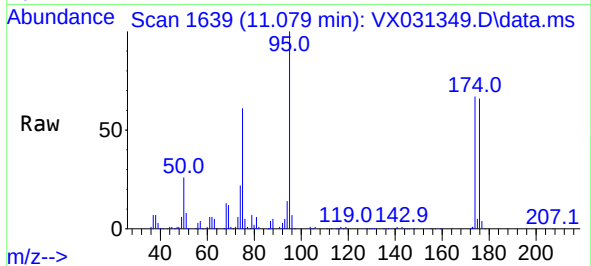




#76
1,2,3-Trichloropropane
Concen: 41.516 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35961
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.875 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031349.D
Acq: 15 Sep 2022 09:29

Tgt Ion: 75 Resp: 35961
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

