

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031348.D
 Acq On : 15 Sep 2022 09:06
 Operator : JC/MD
 Sample : N4539-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:13:39 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)

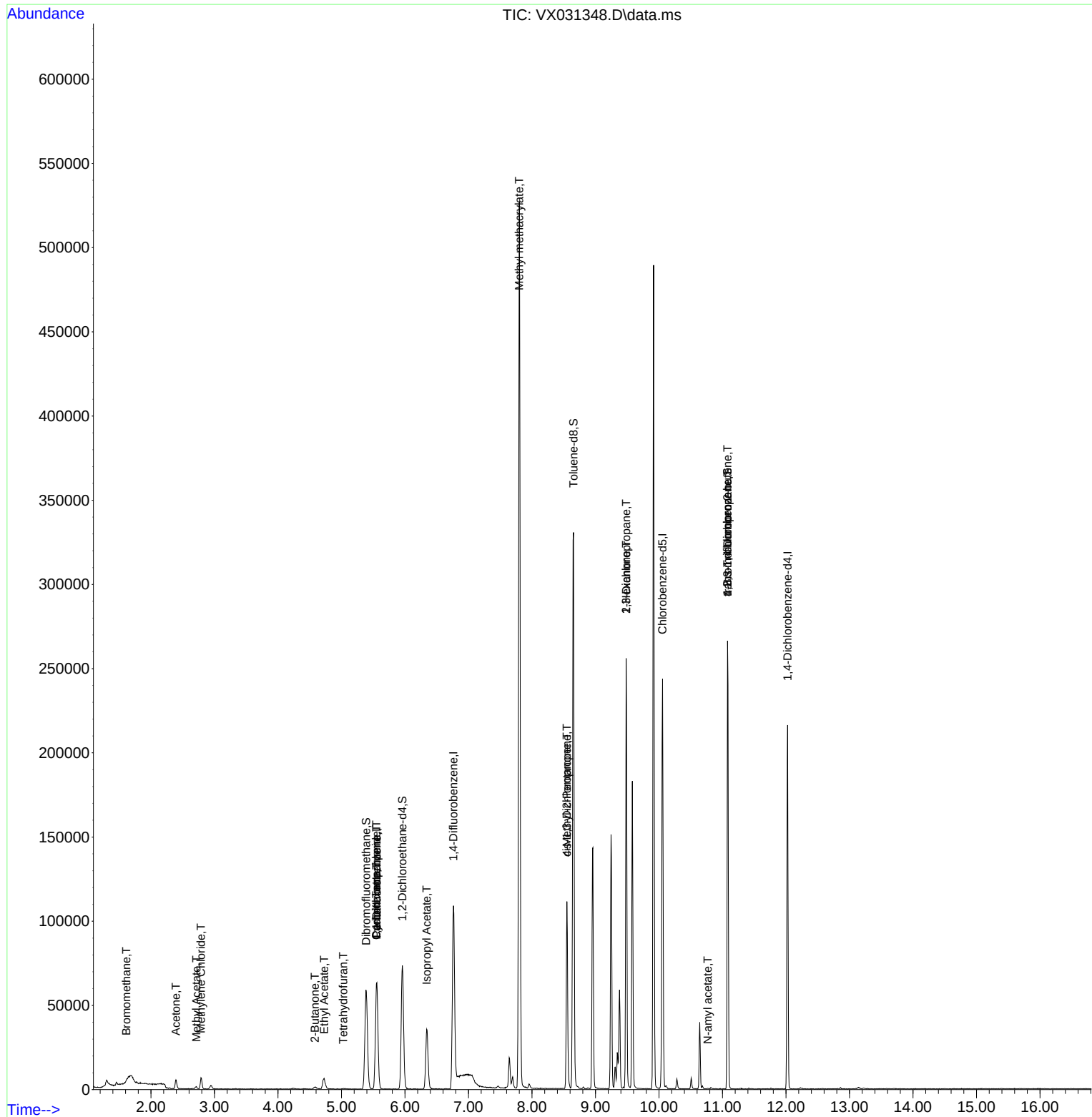
Internal Standards						
1) Pentafluorobenzene	5.556	168	56091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	100777	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68440	49.710	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.420%		
35) Dibromofluoromethane	5.385	113	49382	45.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.180%		
50) Toluene-d8	8.653	98	190359	46.846	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.700%		
62) 4-Bromofluorobenzene	11.079	95	63144	42.434	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	238	Below Cal	#	41
5) Bromomethane	1.612	94	349	0.475	ug/l	95
11) Tert butyl alcohol	2.953	59	1506	Below Cal	#	73
16) Acetone	2.392	43	6593	11.217	ug/l	92
18) Methyl Acetate	2.715	43	2028	1.164	ug/l	# 85
20) Methylene Chloride	2.788	84	2726	0.598	ug/l	97
25) 2-Butanone	4.581	43	1616	1.667	ug/l	# 71
29) Tetrahydrofuran	5.026	42	378	0.629	ug/l	# 32
31) Cyclohexane	5.550	56	1652	1.117	ug/l	# 46
36) 1,1-Dichloropropene	5.550	75	5525	3.726	ug/l	# 49
37) Ethyl Acetate	4.727	43	12099	6.209	ug/l	# 94
38) Carbon Tetrachloride	5.550	117	6202	3.848	ug/l	# 17
43) Isopropyl Acetate	6.342	43	50306	15.125	ug/l	98
48) Methyl methacrylate	7.799	41	46086	30.439	ug/l	# 45
51) 4-Methyl-2-Pentanone	8.549	43	39236	19.408	ug/l	# 48
54) cis-1,3-Dichloropropene	8.549	75	16081	8.087	ug/l	# 68
57) 1,3-Dichloropropane	9.482	76	2023	0.990	ug/l	# 43
59) 2-Hexanone	9.482	43	30279	19.624	ug/l	# 51
74) N-amyl acetate	10.768	43	494	0.345	ug/l	# 46
76) 1,2,3-Trichloropropane	11.079	75	36950	37.615	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	36950	104.081	ug/l	# 11

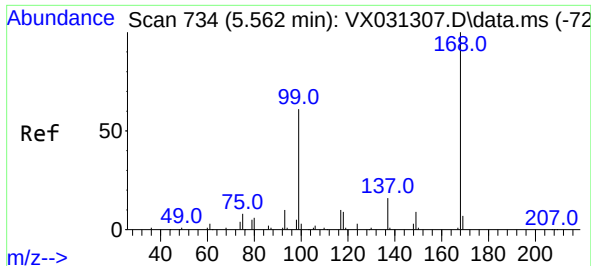
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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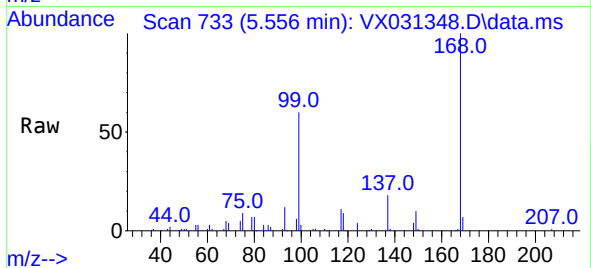
Quant Time: Sep 15 11:13:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration



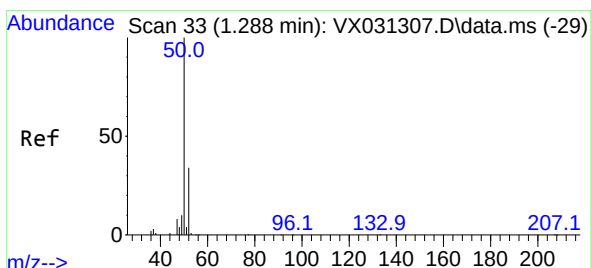
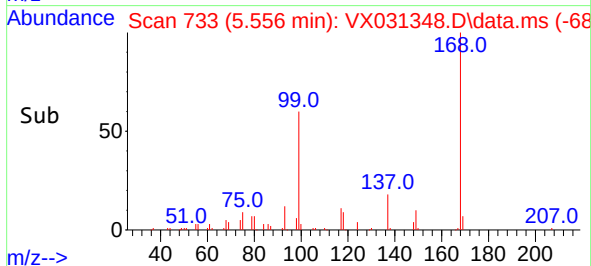
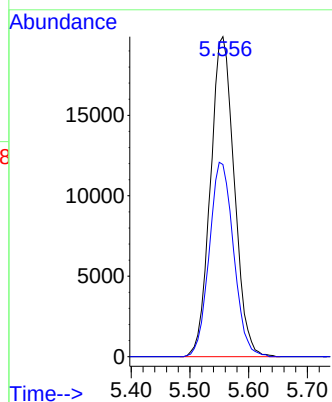


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Instrument :
MSVOA_X
ClientSampleId :

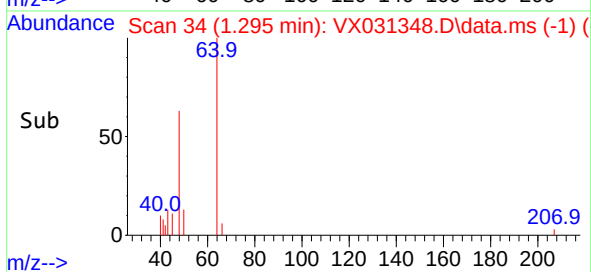
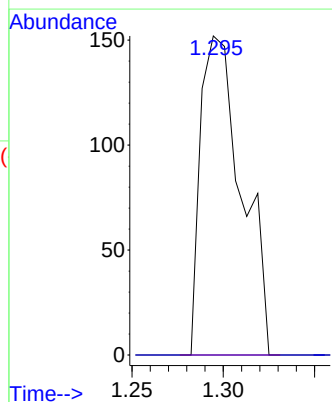
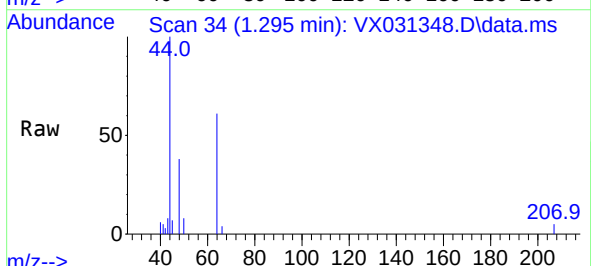


Tgt Ion:168 Resp: 56091
Ion Ratio Lower Upper
168 100
99 60.0 48.8 73.2

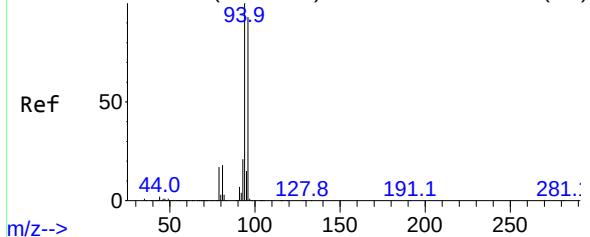


#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

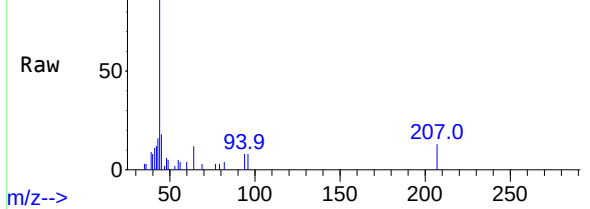


Abundance Scan 86 (1.611 min): VX031307.D\data.ms (-80)



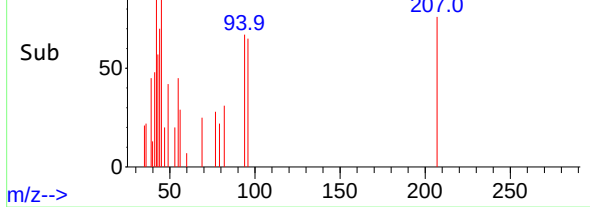
m/z-->

Abundance Scan 86 (1.612 min): VX031348.D\data.ms



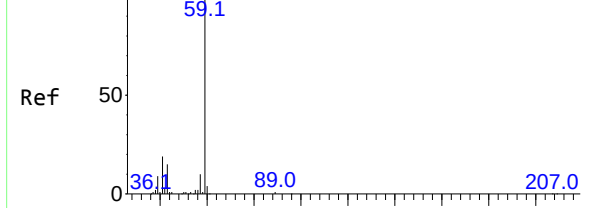
m/z-->

Abundance Scan 86 (1.612 min): VX031348.D\data.ms (-37)



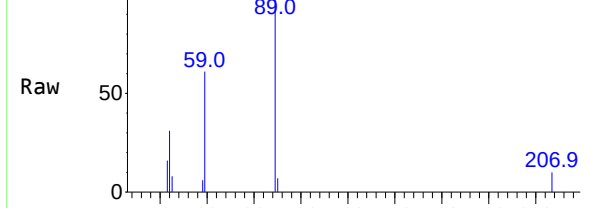
m/z-->

Abundance Scan 312 (2.989 min): VX031307.D\data.ms (-29)



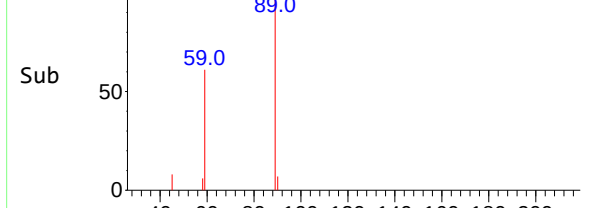
m/z-->

Abundance Scan 306 (2.953 min): VX031348.D\data.ms



m/z-->

Abundance Scan 306 (2.953 min): VX031348.D\data.ms (-26)



m/z-->

#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.612 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

ClientSampleId :

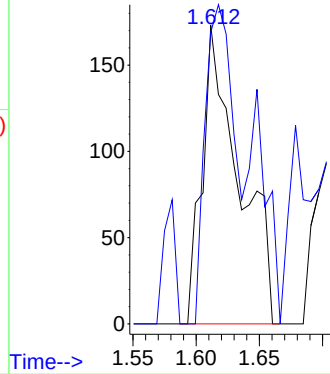
Tgt Ion: 94 Resp: 349

Ion Ratio Lower Upper

94 100

96 97.7 74.4 111.6

Abundance



Time-->

#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 306

Delta R.T. -0.036 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

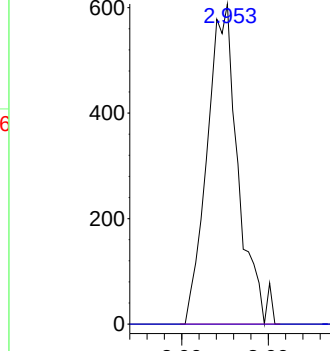
Tgt Ion: 59 Resp: 1506

Ion Ratio Lower Upper

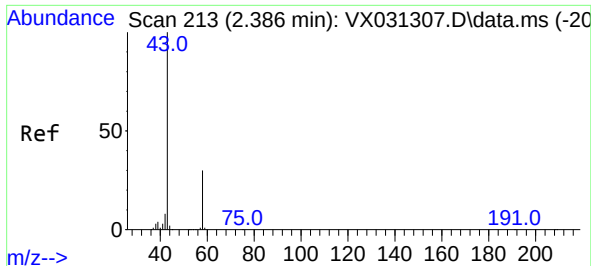
59 100

57 0.0 8.2 12.2#

Abundance



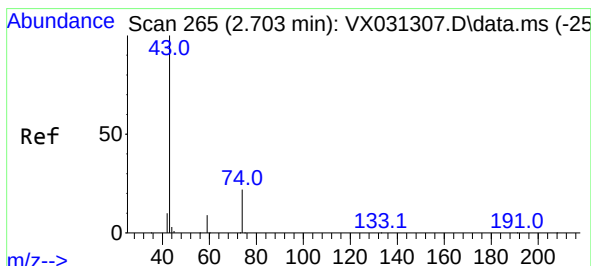
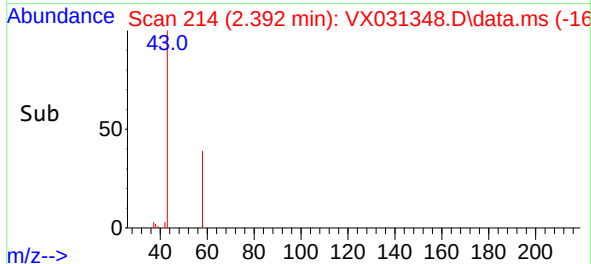
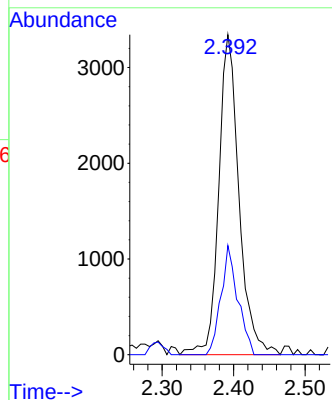
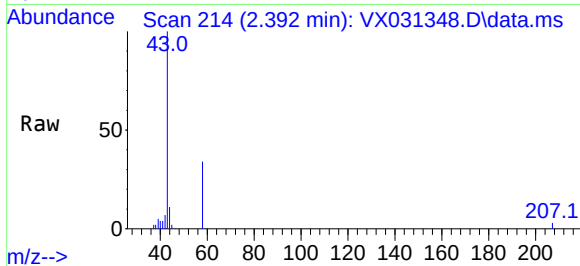
Time-->



#16
Acetone
Concen: 11.217 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

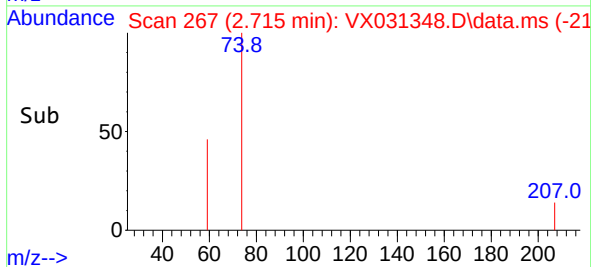
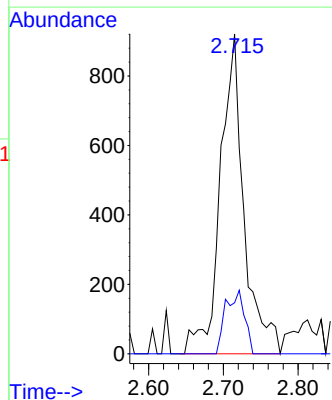
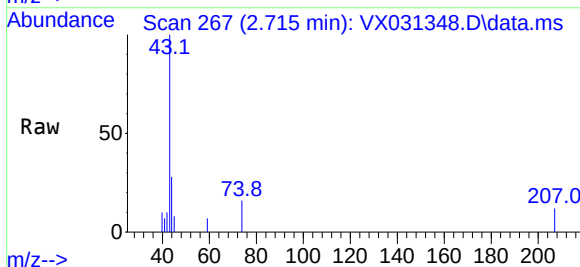
Instrument :
MSVOA_X
ClientSampleId :

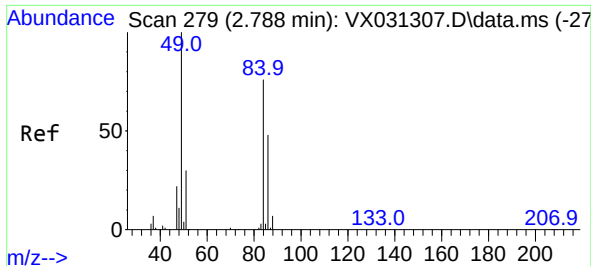
Tgt Ion: 43 Resp: 6593
Ion Ratio Lower Upper
43 100
58 34.1 23.8 35.8



#18
Methyl Acetate
Concen: 1.164 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

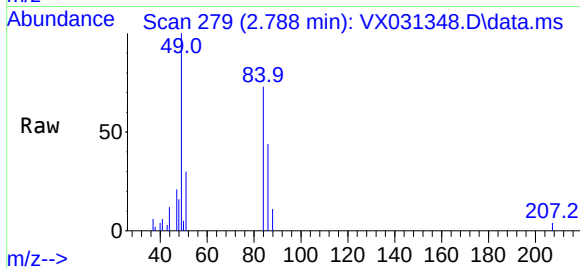
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
74 15.8 18.6 27.8#





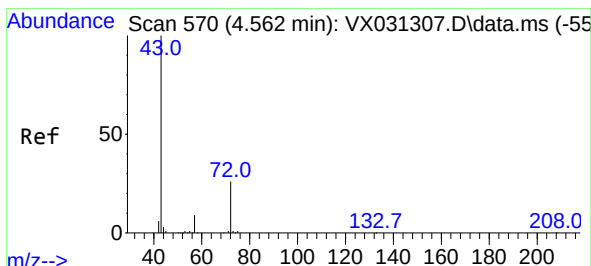
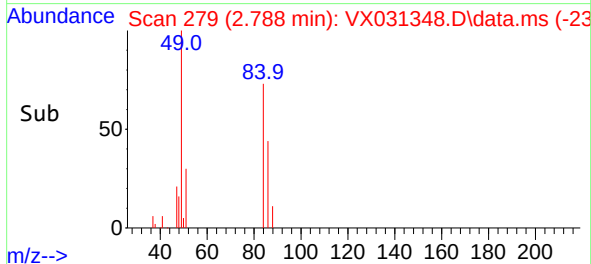
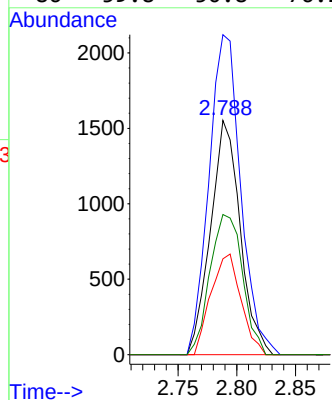
#20
Methylene Chloride
Concen: 0.598 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 2726

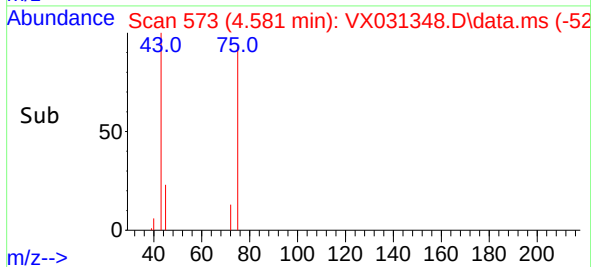
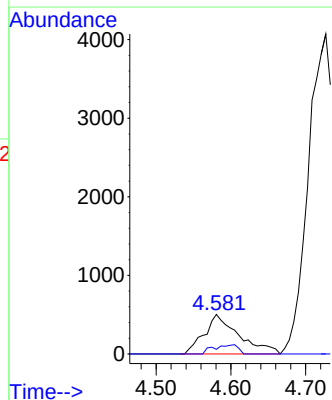
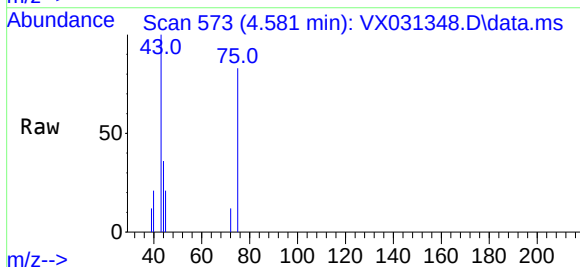
Ion	Ratio	Lower	Upper
84	100		
49	136.6	105.9	158.9
51	40.9	32.2	48.2
86	59.8	50.8	76.2

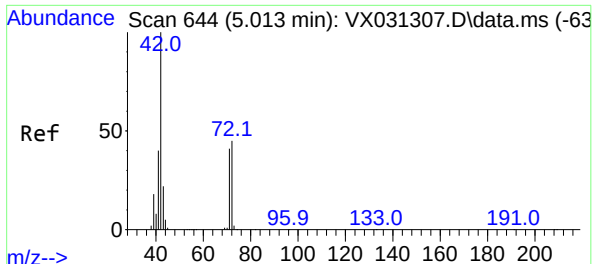


#25
2-Butanone
Concen: 1.667 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Tgt Ion: 43 Resp: 1616

Ion	Ratio	Lower	Upper
43	100		
72	11.7	21.1	31.7#





#29

Tetrahydrofuran

Concen: 0.629 ug/l

RT: 5.026 min Scan# 644

Delta R.T. 0.012 min

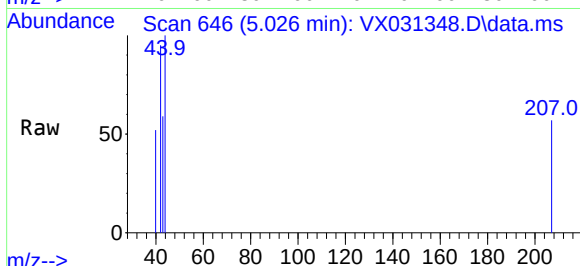
Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

ClientSampleId :



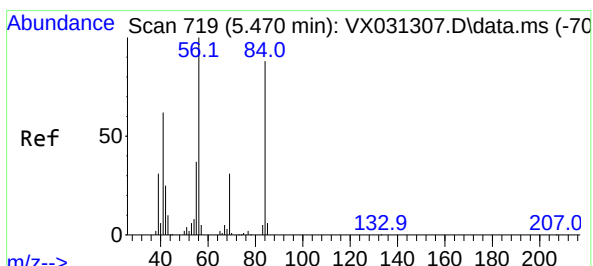
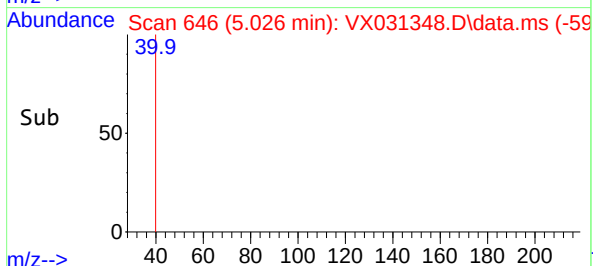
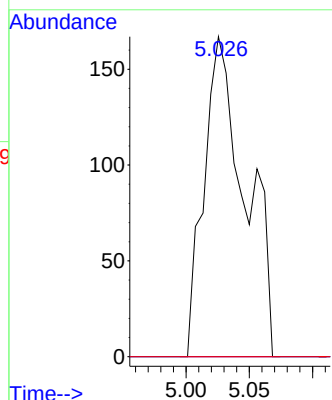
Tgt Ion: 42 Resp: 378

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 0.0 33.5 50.3#



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

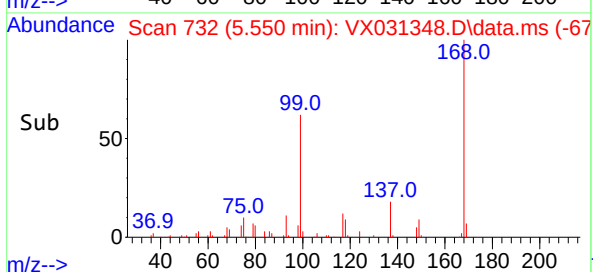
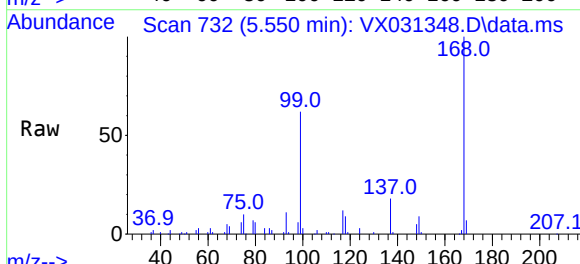
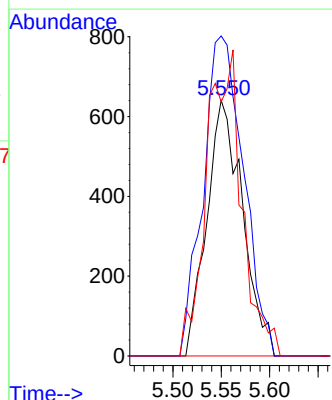
Tgt Ion: 56 Resp: 1652

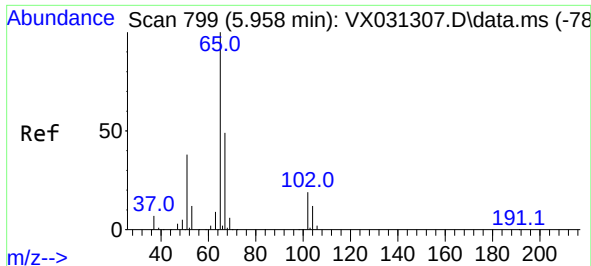
Ion Ratio Lower Upper

56 100

69 125.1 25.1 37.7#

84 99.4 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 49.710 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

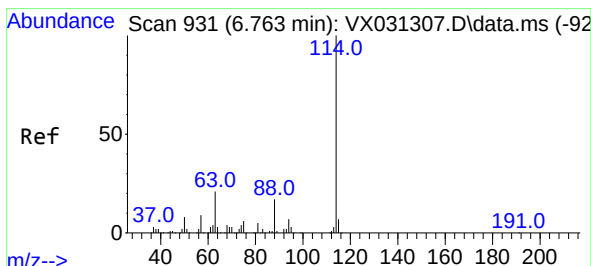
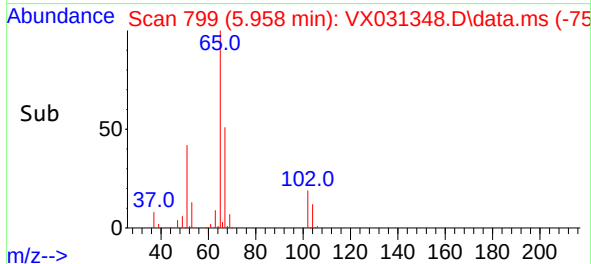
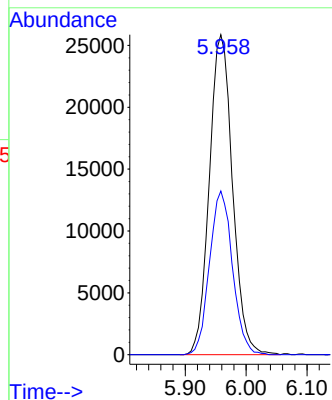
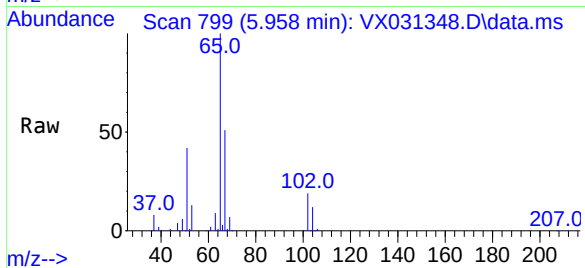
ClientSampleId :

Tgt Ion: 65 Resp: 68440

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

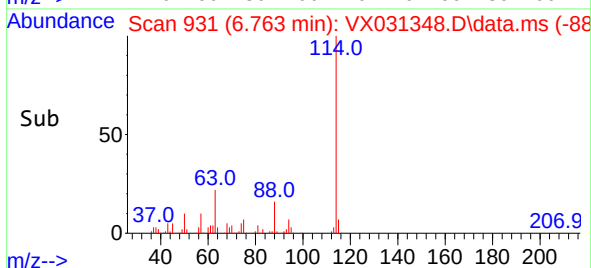
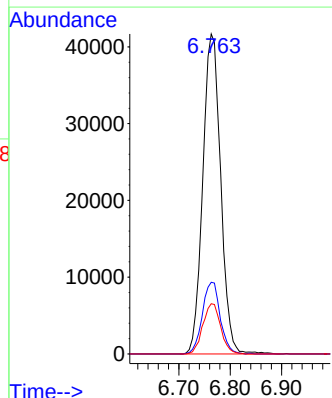
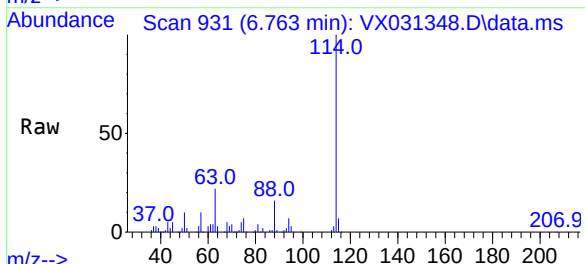
Tgt Ion: 114 Resp: 100777

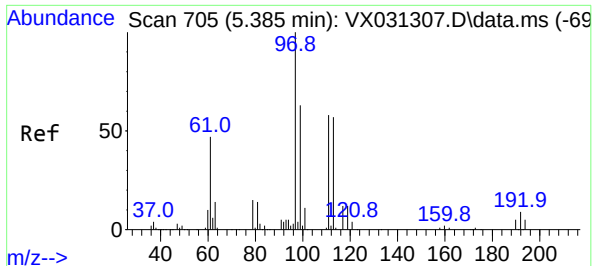
Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.6

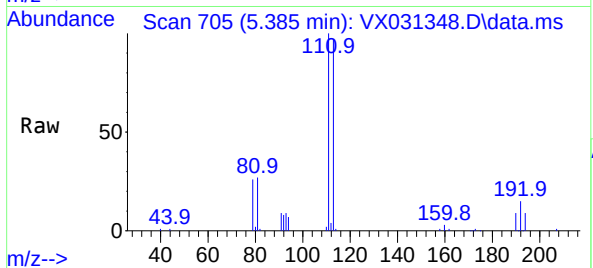
88 15.7 0.0 33.0



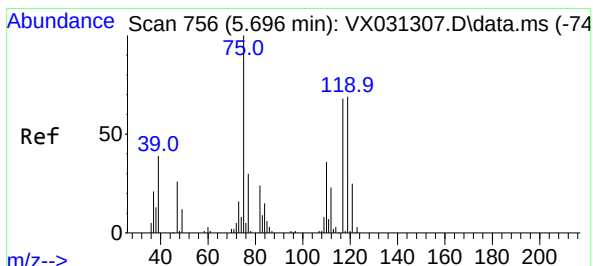
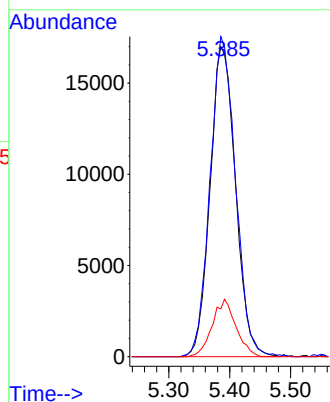
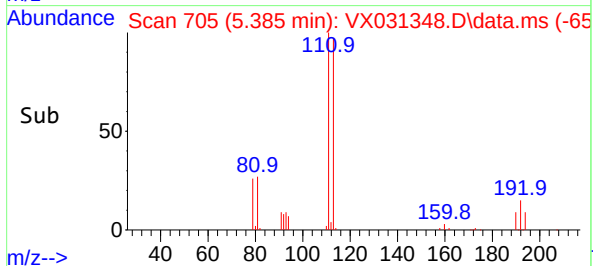


#35
Dibromofluoromethane
Concen: 45.586 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

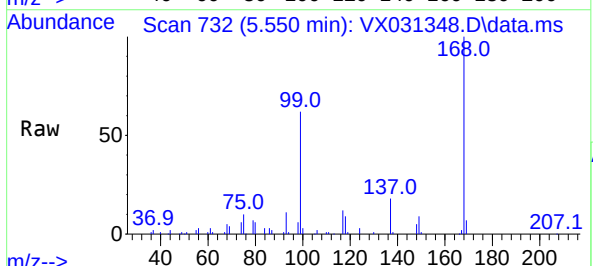
Instrument :
MSVOA_X
ClientSampleId :



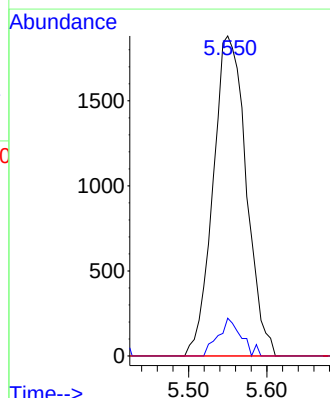
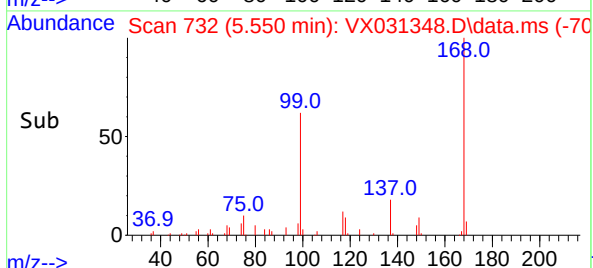
Tgt Ion:113 Resp: 49382
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 17.3 14.1 21.1

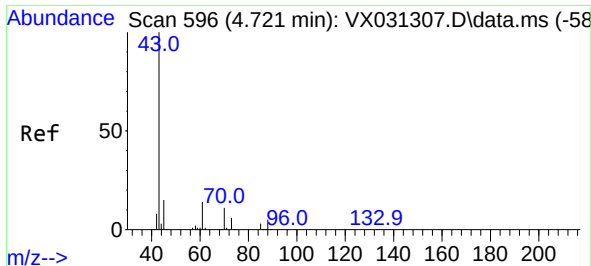


#36
1,1-Dichloropropene
Concen: 3.726 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06



Tgt Ion: 75 Resp: 5525
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 6.209 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

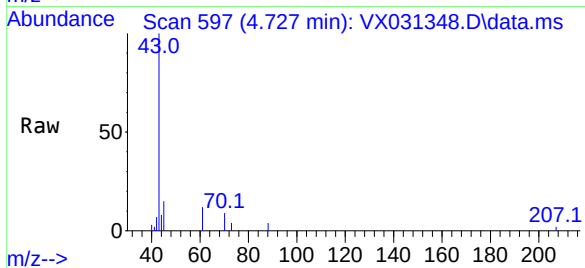
Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

ClientSampleId :



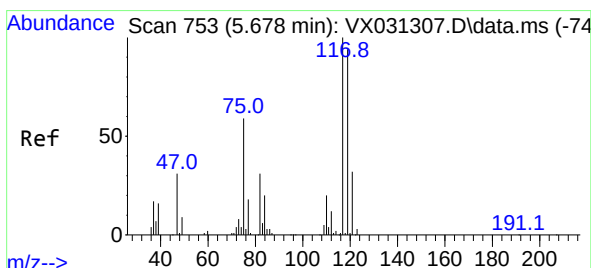
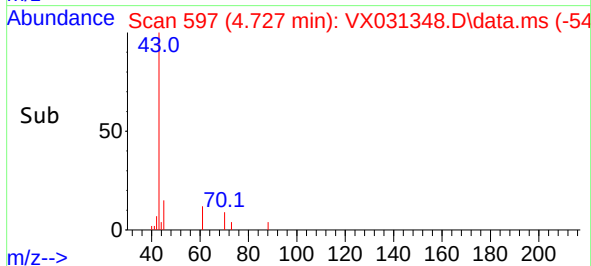
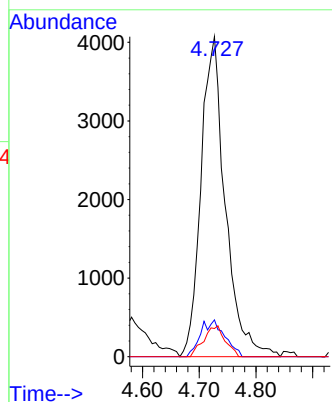
Tgt Ion: 43 Resp: 12099

Ion Ratio Lower Upper

43 100

61 11.4 11.1 16.7

70 8.5 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.848 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

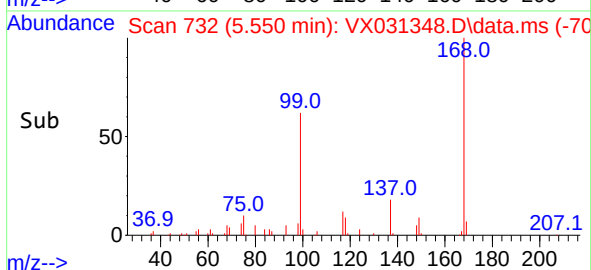
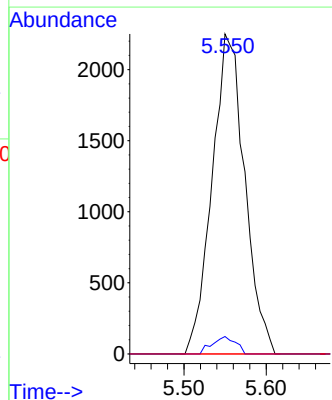
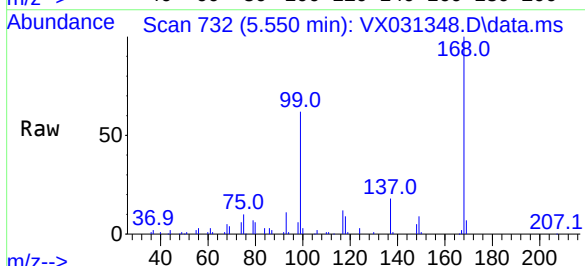
Tgt Ion: 117 Resp: 6202

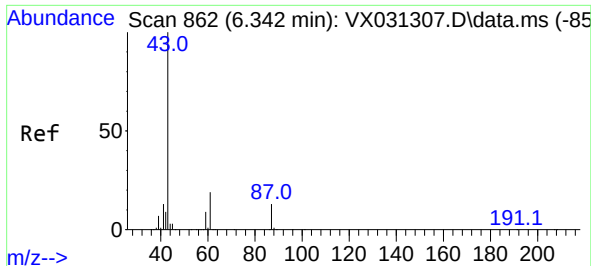
Ion Ratio Lower Upper

117 100

119 5.4 74.6 112.0#

121 0.0 25.3 37.9#

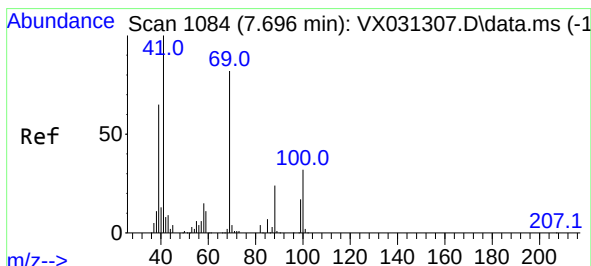
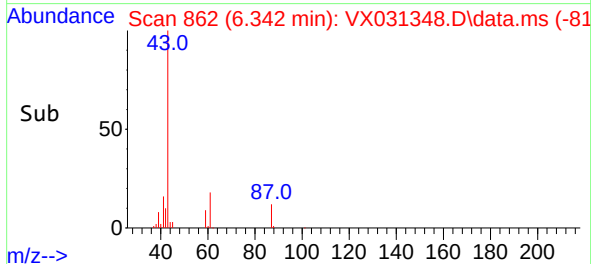
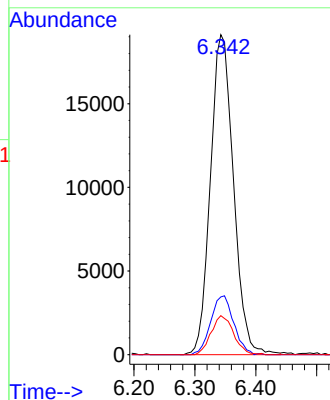
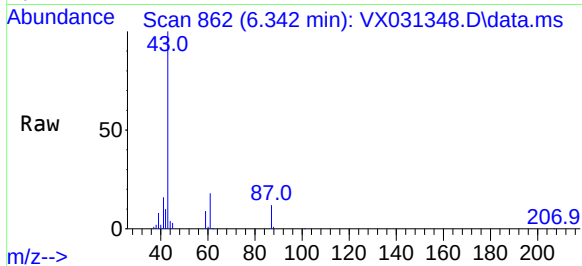




#43
Isopropyl Acetate
Concen: 15.125 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

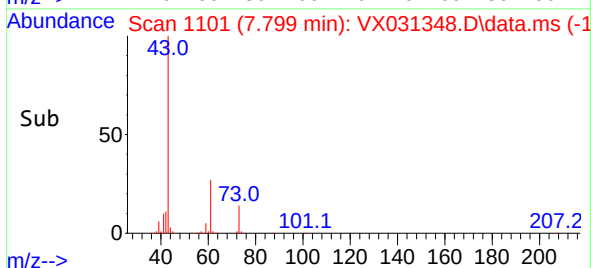
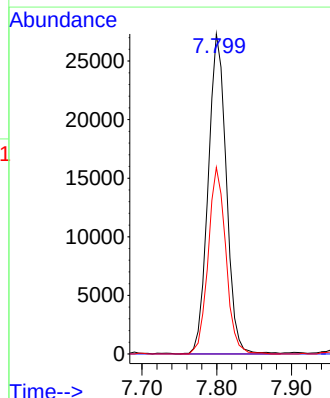
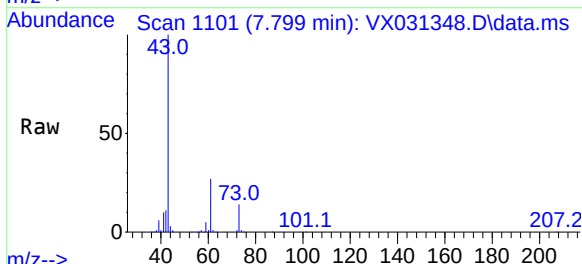
Instrument :
MSVOA_X
ClientSampleId :

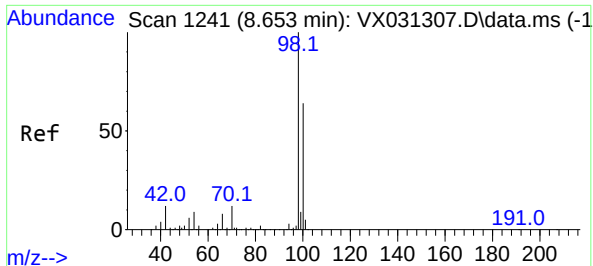
Tgt Ion:	43	Resp:	50306
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.3	22.9
87	11.9	10.6	15.8



#48
Methyl methacrylate
Concen: 30.439 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Tgt Ion:	41	Resp:	46086
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	56.8	51.4	77.0





#50

Toluene-d8

Concen: 46.846 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

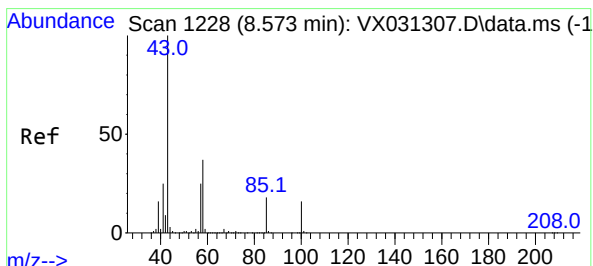
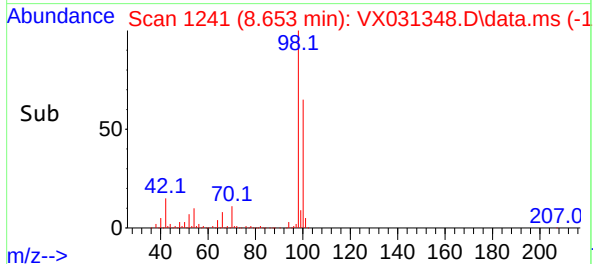
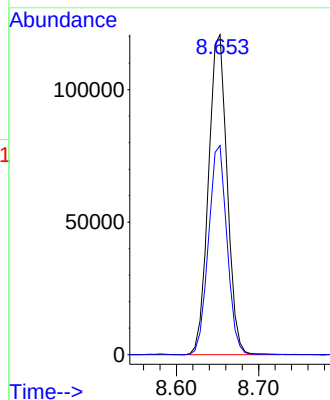
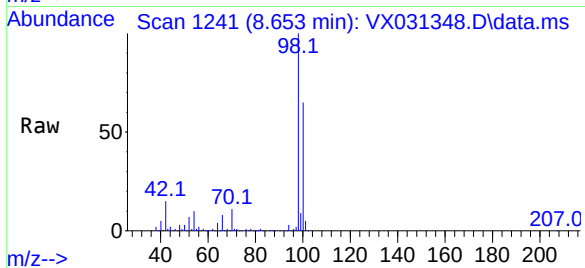
ClientSampleId :

Tgt Ion: 98 Resp: 190359

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 19.408 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX031348.D

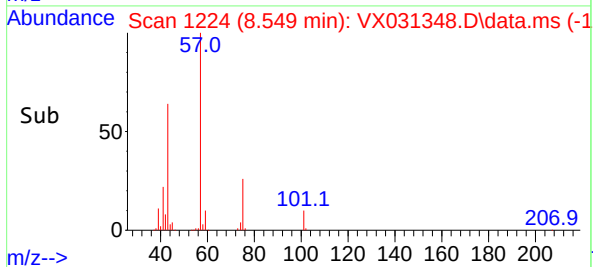
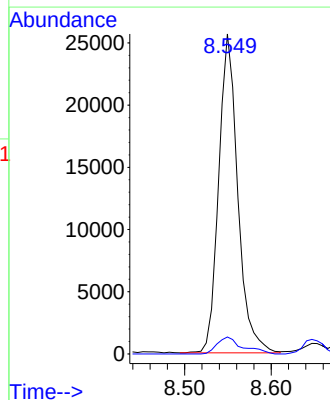
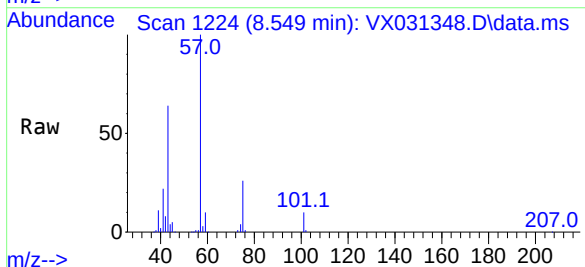
Acq: 15 Sep 2022 09:06

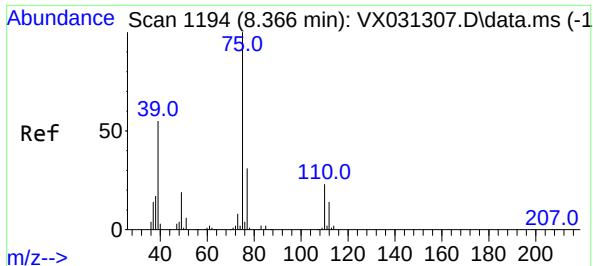
Tgt Ion: 43 Resp: 39236

Ion Ratio Lower Upper

43 100

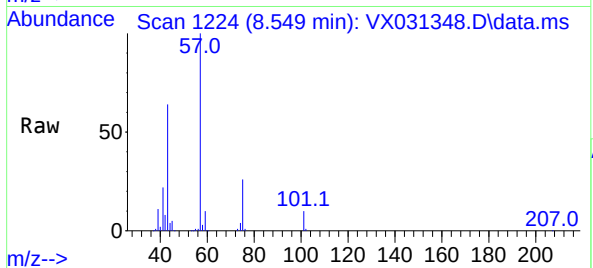
58 7.0 30.6 46.0#



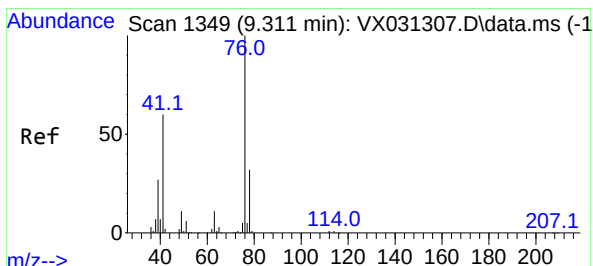
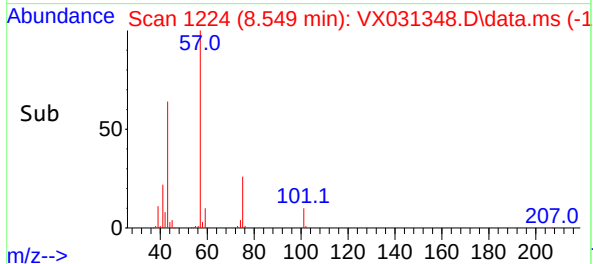
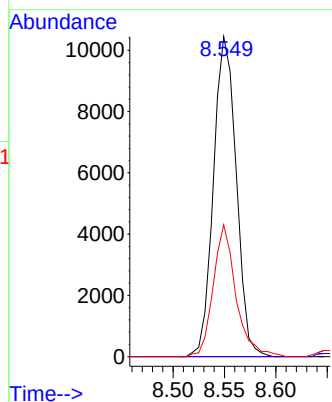


#54
 cis-1,3-Dichloropropene
 Concen: 8.087 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031348.D
 Acq: 15 Sep 2022 09:06

Instrument :
 MSVOA_X
 ClientSampleId :

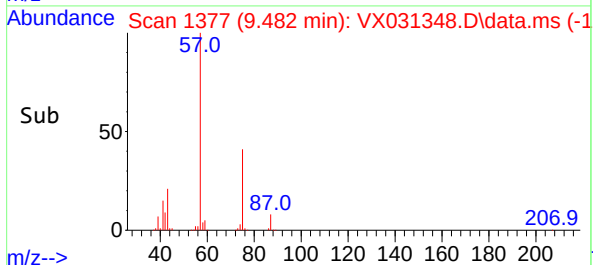
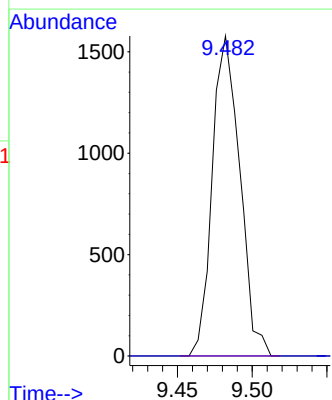
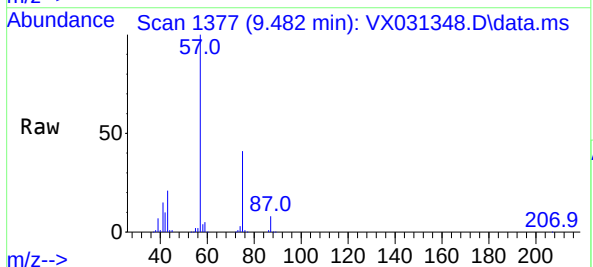


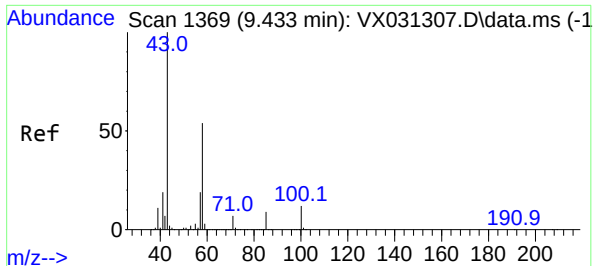
Tgt Ion: 75 Resp: 16081
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 41.2 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.990 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031348.D
 Acq: 15 Sep 2022 09:06

Tgt Ion: 76 Resp: 2023
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 19.624 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

Instrument :

MSVOA_X

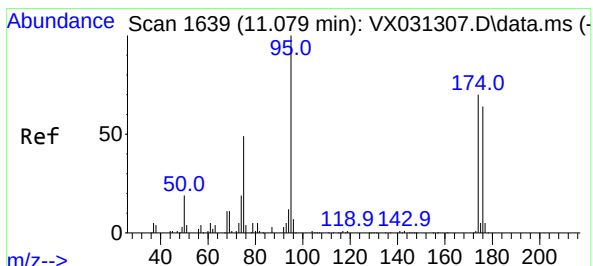
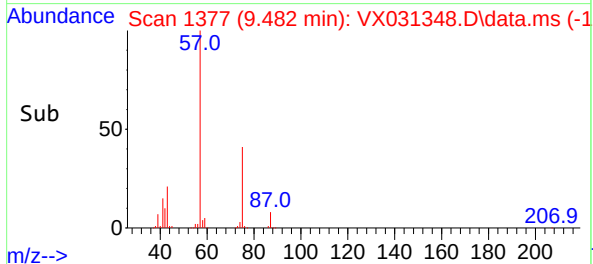
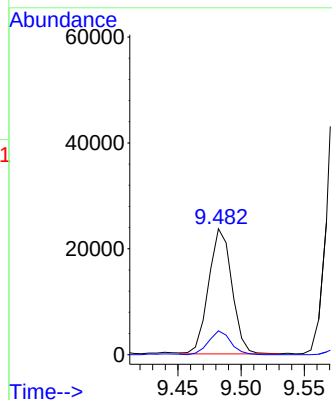
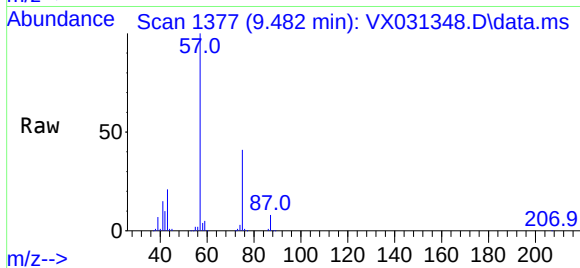
ClientSampleId :

Tgt Ion: 43 Resp: 30279

Ion Ratio Lower Upper

43 100

58 18.3 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 42.434 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031348.D

Acq: 15 Sep 2022 09:06

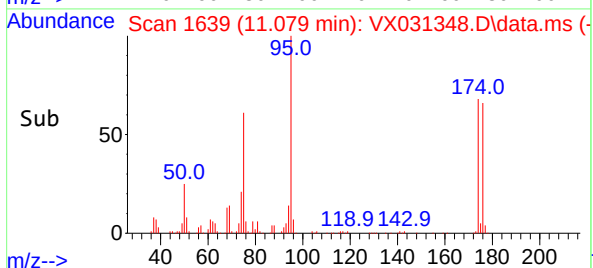
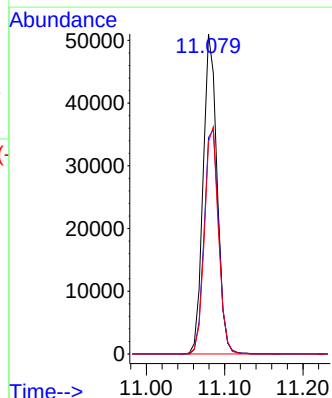
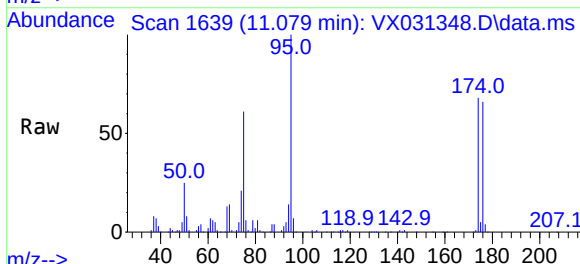
Tgt Ion: 95 Resp: 63144

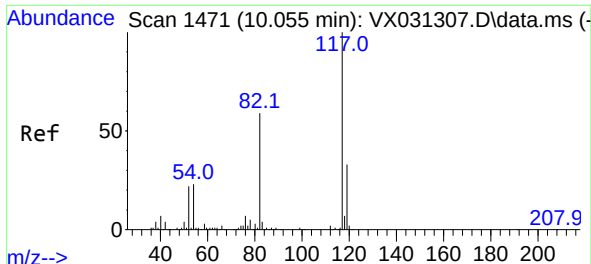
Ion Ratio Lower Upper

95 100

174 73.2 0.0 153.2

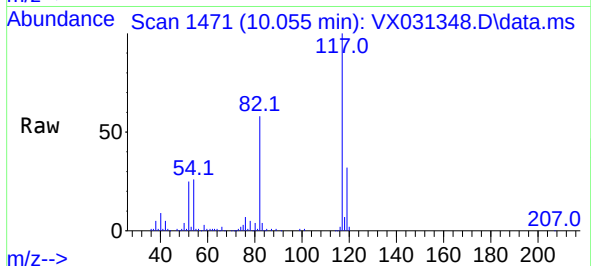
176 71.1 0.0 144.0



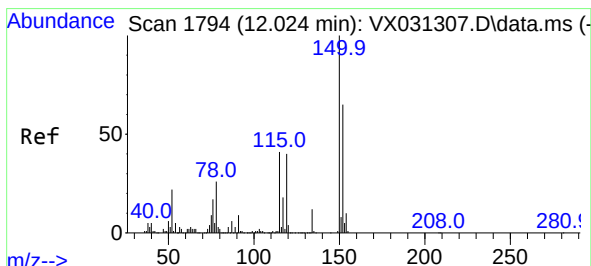
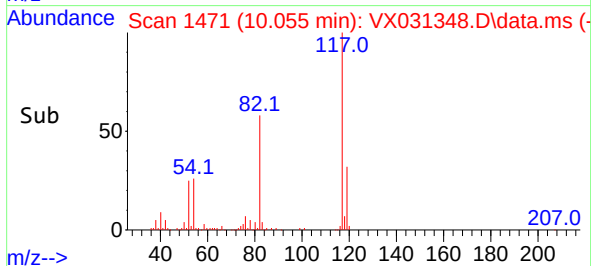
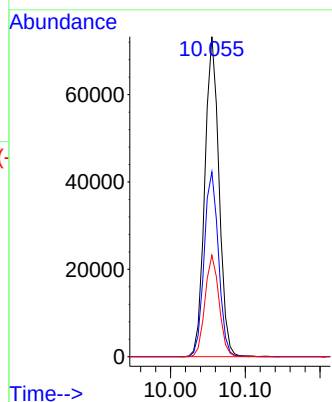


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Instrument :
MSVOA_X
ClientSampleId :

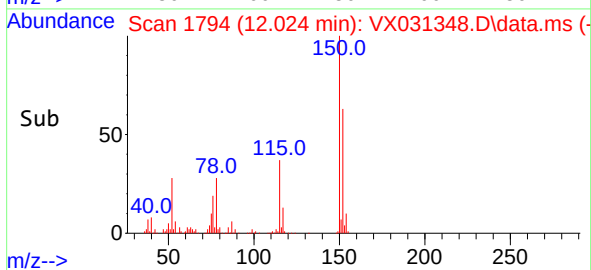
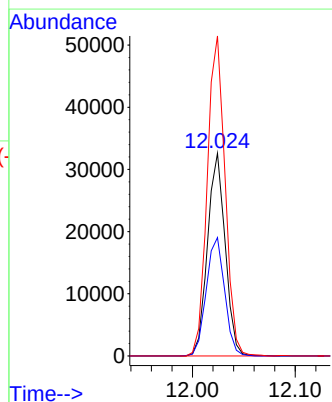
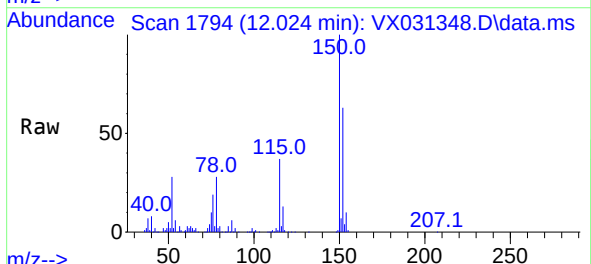


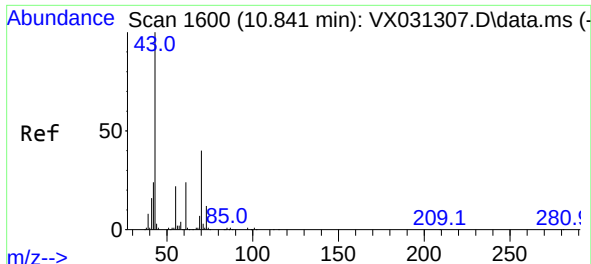
Tgt Ion:117 Resp: 96739
Ion Ratio Lower Upper
117 100
82 57.7 46.8 70.2
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

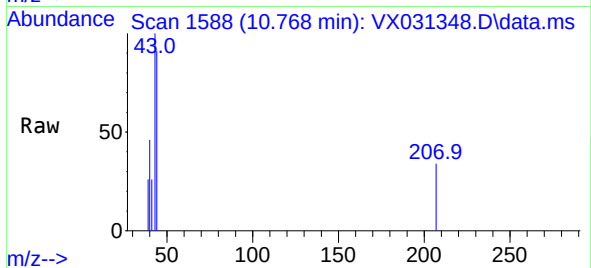
Tgt Ion:152 Resp: 38981
Ion Ratio Lower Upper
152 100
115 60.8 43.4 130.1
150 158.9 0.0 346.8





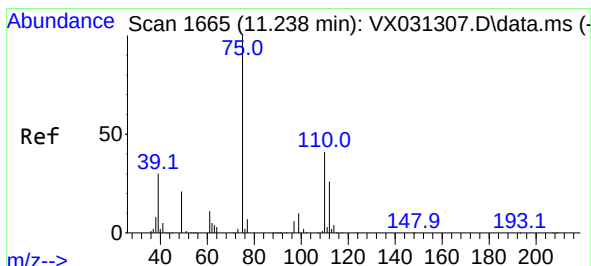
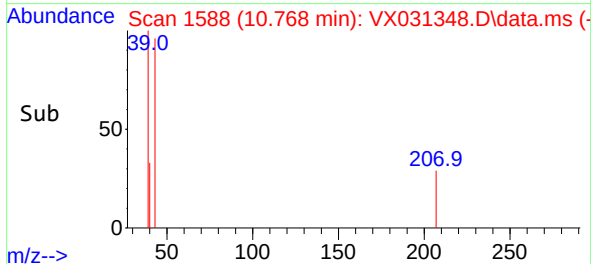
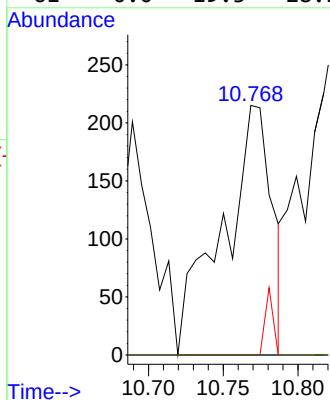
#74
N-amy1 acetate
Concen: 0.345 ug/l
RT: 10.768 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 494

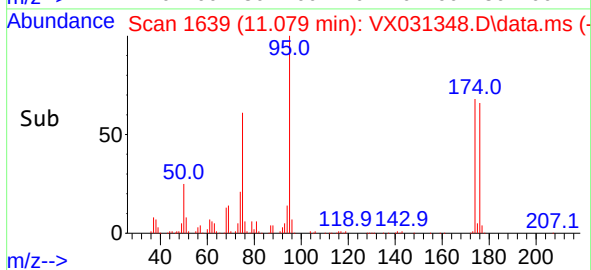
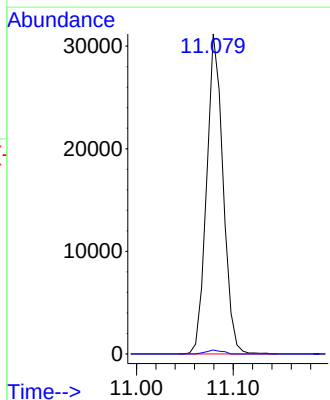
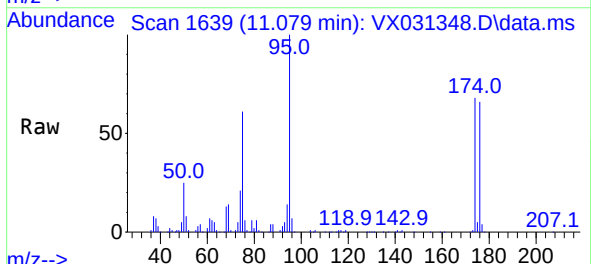
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.2#
55	4.3	18.2	27.2#
61	0.0	19.3	28.9#

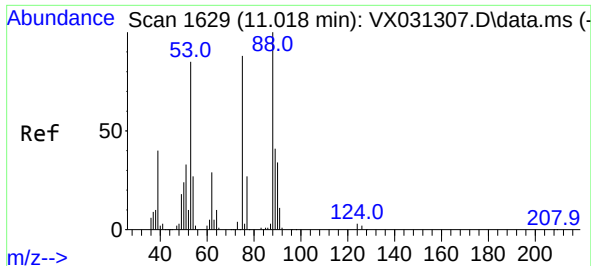


#76
1,2,3-Trichloropropane
Concen: 37.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031348.D
Acq: 15 Sep 2022 09:06

Tgt Ion: 75 Resp: 36950

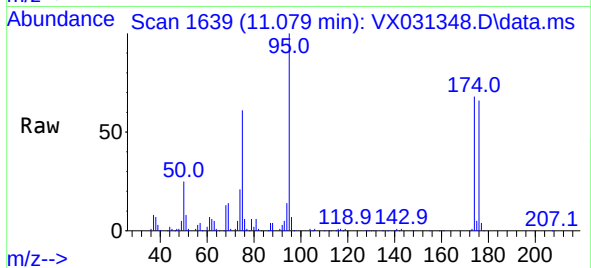
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.3	60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.081 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031348.D
 Acq: 15 Sep 2022 09:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 36950
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

