

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031345.D
 Acq On : 15 Sep 2022 07:56
 Operator : JC/MD
 Sample : N4579-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 11:13:10 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)

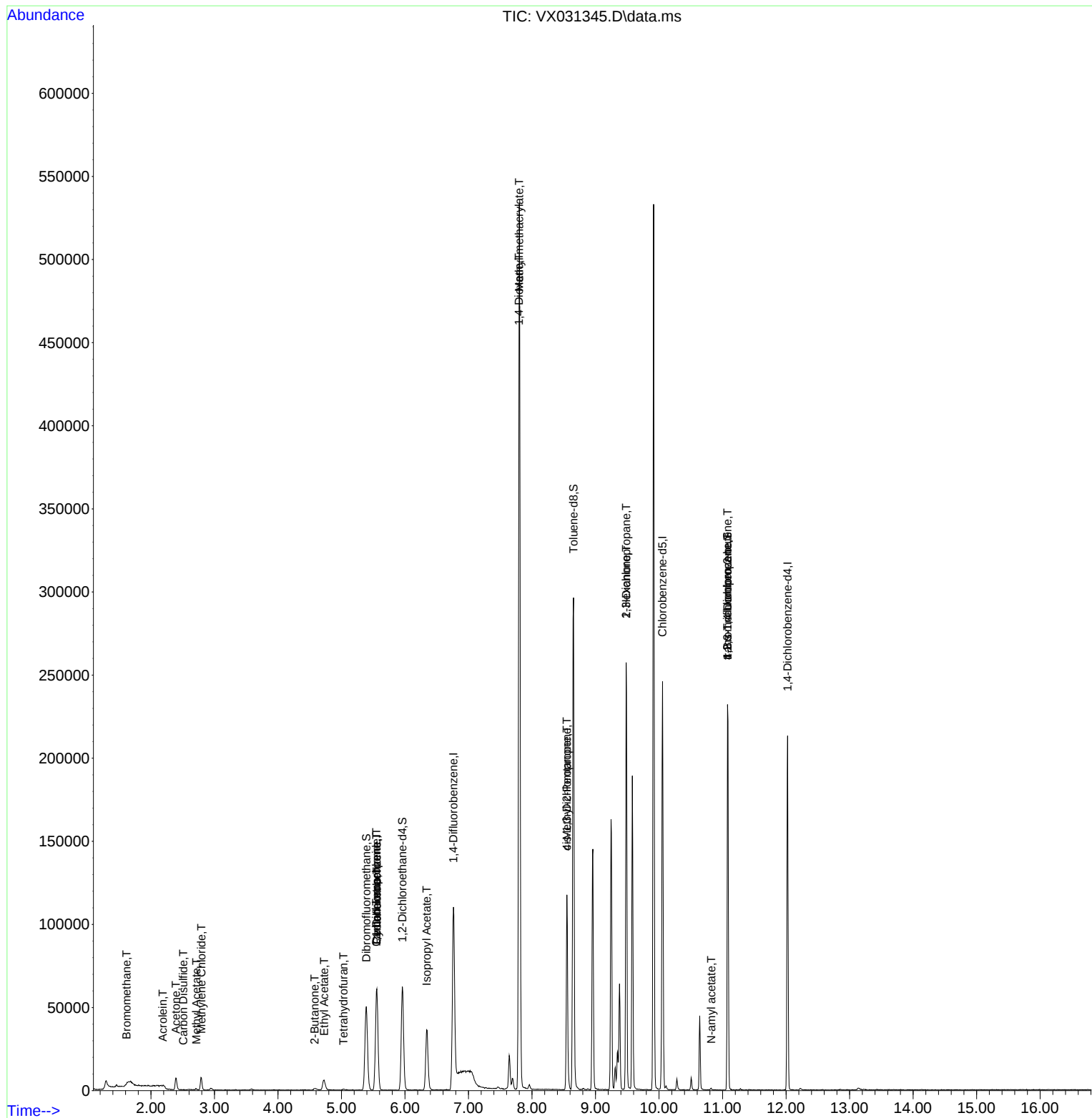
Internal Standards						
1) Pentafluorobenzene	5.556	168	54272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	100043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	94799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57740	43.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.680%
35) Dibromofluoromethane	5.391	113	42493	39.514	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	79.020%
50) Toluene-d8	8.653	98	167936	41.631	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	83.260%#
62) 4-Bromofluorobenzene	11.079	95	56864	38.495	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	76.980%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	233	Below Cal	#	41
5) Bromomethane	1.617	94	222	0.312	ug/l #	70
11) Tert butyl alcohol	2.940	59	792	Below Cal	#	73
13) Acrolein	2.184	56	70	0.455	ug/l #	15
16) Acetone	2.392	43	9357	16.454	ug/l	97
17) Carbon Disulfide	2.507	76	101	0.934	ug/l #	75
18) Methyl Acetate	2.715	43	1177	0.698	ug/l #	85
20) Methylene Chloride	2.794	84	3269	1.342	ug/l	90
25) 2-Butanone	4.574	43	1674	1.785	ug/l	99
29) Tetrahydrofuran	5.031	42	618	1.064	ug/l #	38
31) Cyclohexane	5.556	56	1611	1.126	ug/l #	43
36) 1,1-Dichloropropene	5.550	75	5577	3.789	ug/l #	50
37) Ethyl Acetate	4.727	43	11769	6.084	ug/l #	88
38) Carbon Tetrachloride	5.550	117	5965	3.728	ug/l #	19
43) Isopropyl Acetate	6.342	43	52781	15.986	ug/l	96
48) Methyl methacrylate	7.799	41	47235	31.426	ug/l #	45
49) 1,4-Dioxane	7.793	88	59	1.957	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	41639	20.748	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	17032	8.629	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	2034	1.003	ug/l #	43
59) 2-Hexanone	9.482	43	31450	20.532	ug/l #	51
74) N-amyl acetate	10.823	43	379	0.269	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	33616	34.729	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33616	96.095	ug/l #	11

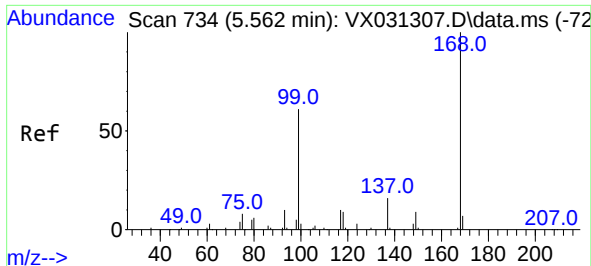
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 15 11:13:10 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

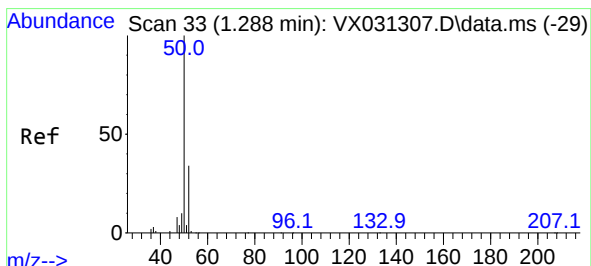
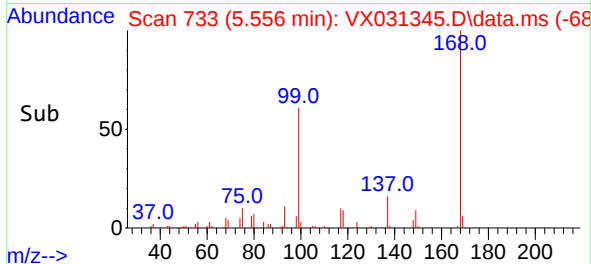
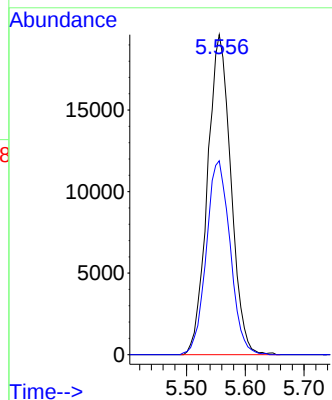
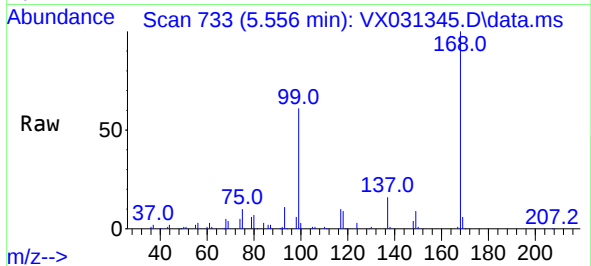




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

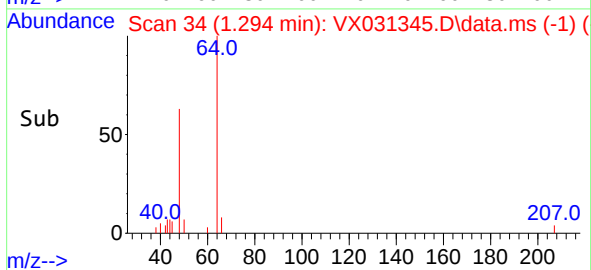
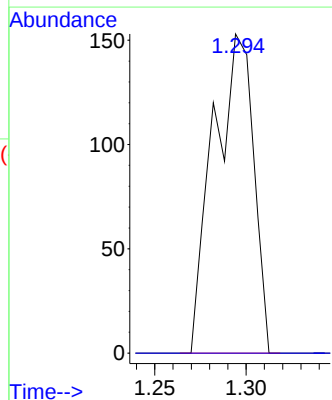
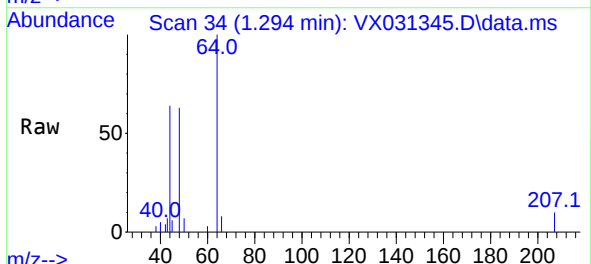
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 54272
Ion Ratio Lower Upper
168 100
99 60.6 48.8 73.2

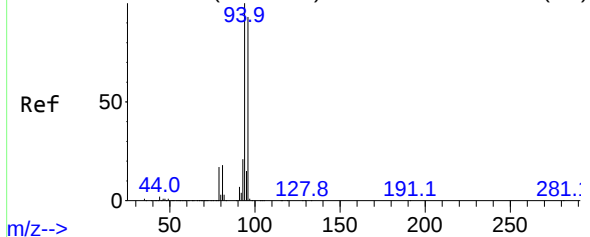


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 50 Resp: 233
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



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



#5

Bromomethane

Concen: 0.312 ug/l

RT: 1.617 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

Instrument :

MSVOA_X

ClientSampleId :

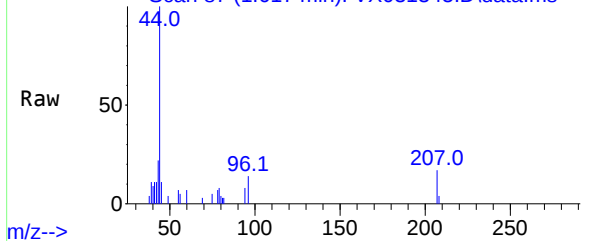
Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

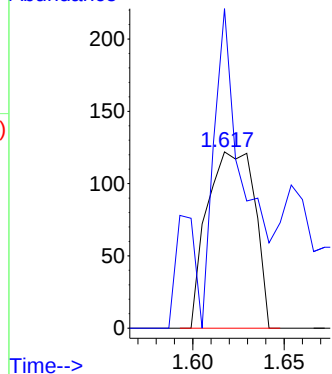
94 100

96 121.3 74.4 111.6#

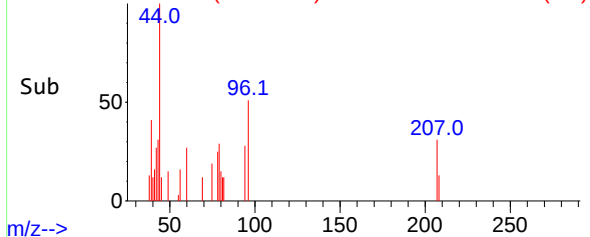
Abundance Scan 87 (1.617 min): VX031345.D\data.ms



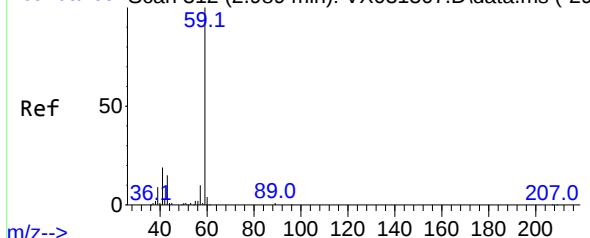
Abundance



Abundance Scan 87 (1.617 min): VX031345.D\data.ms (-37)



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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

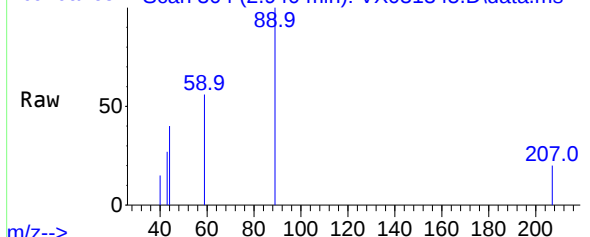
Tgt Ion: 59 Resp: 792

Ion Ratio Lower Upper

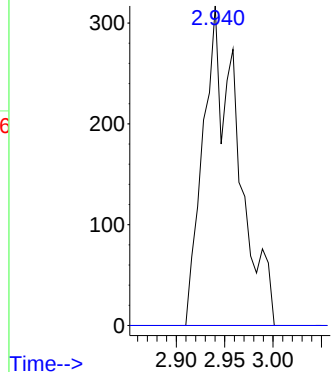
59 100

57 0.0 8.2 12.2#

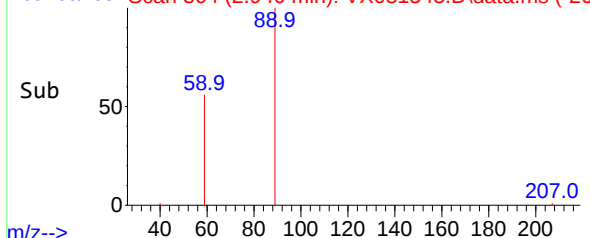
Abundance Scan 304 (2.940 min): VX031345.D\data.ms

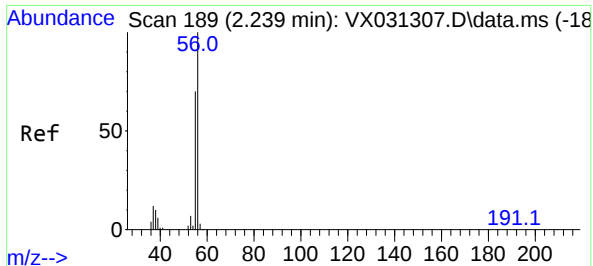


Abundance



Abundance Scan 304 (2.940 min): VX031345.D\data.ms (-26)

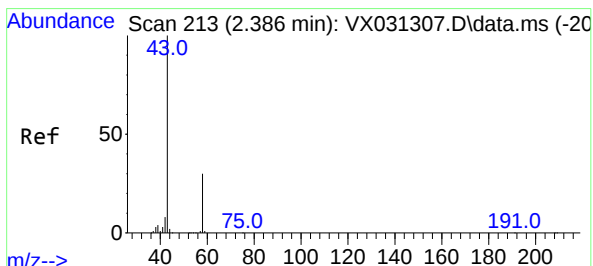
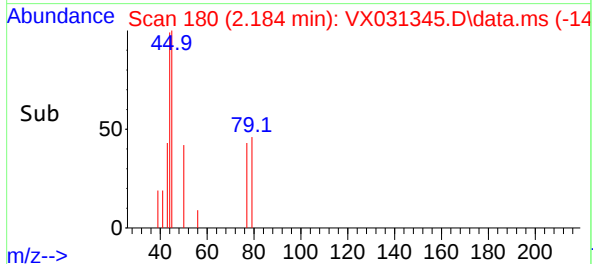
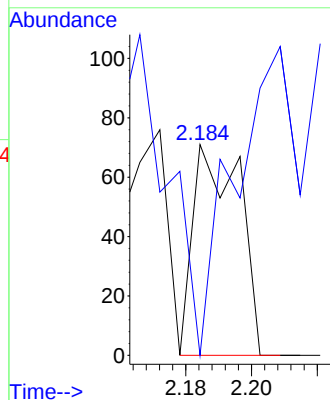
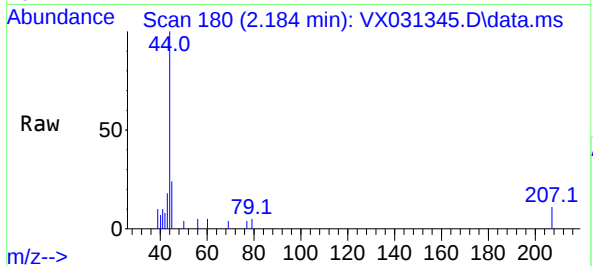




#13
Acrolein
Concen: 0.455 ug/l
RT: 2.184 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

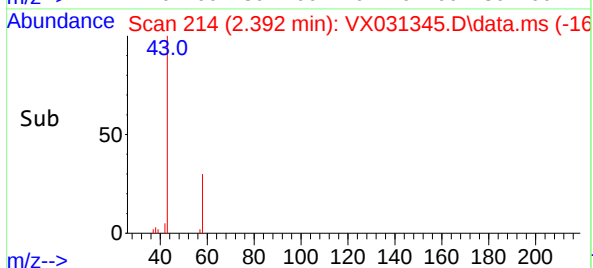
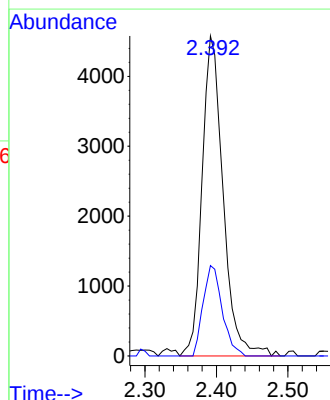
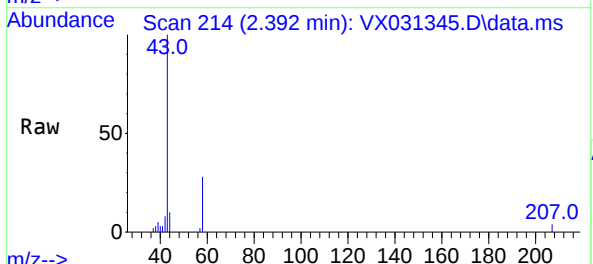
Instrument :
MSVOA_X
ClientSampleId :

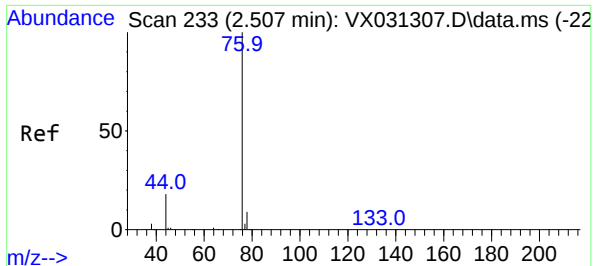
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 16.454 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 43 Resp: 9357
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.8

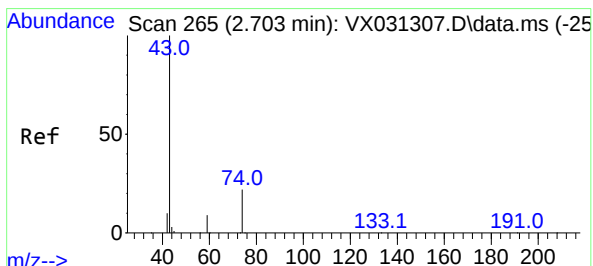
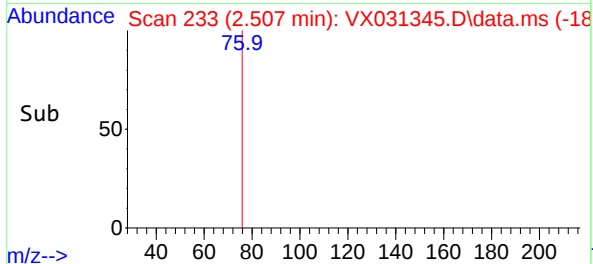
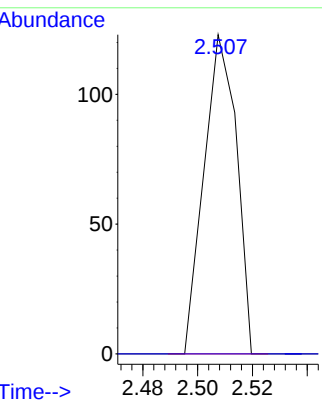
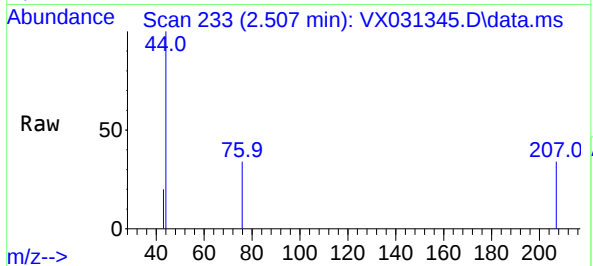




#17
Carbon Disulfide
Concen: 0.934 ug/l
RT: 2.507 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

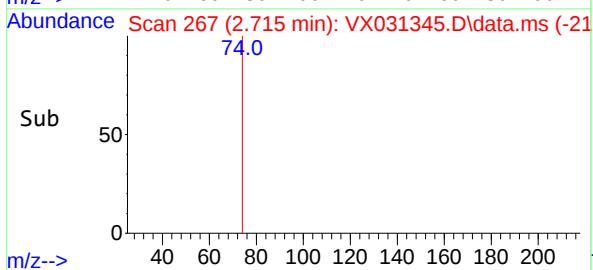
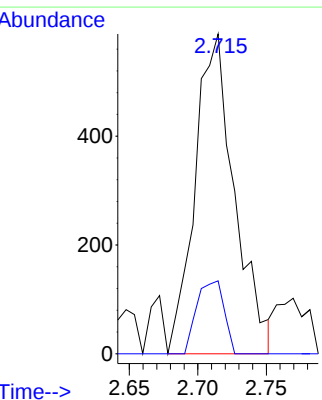
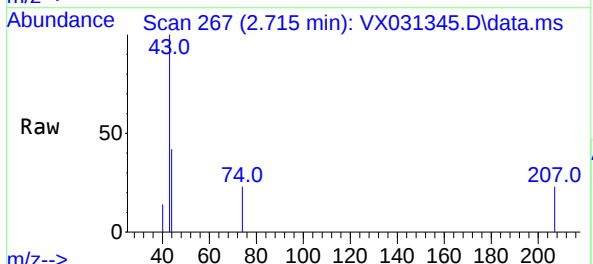
Instrument :
MSVOA_X
ClientSampleId :

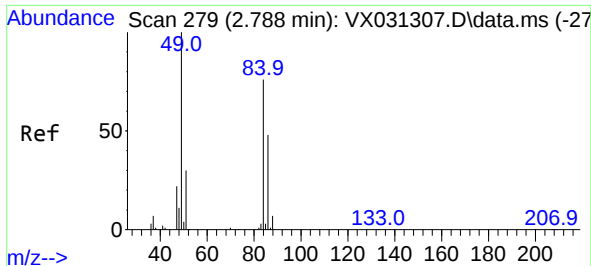
Tgt Ion: 76 Resp: 101
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

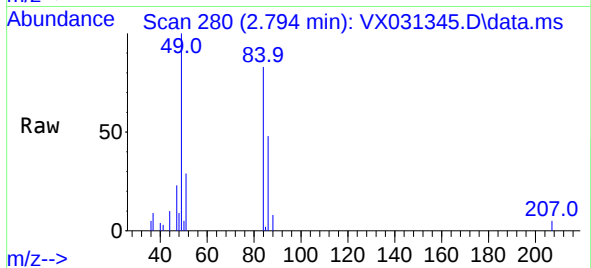
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
74 15.7 18.6 27.8#





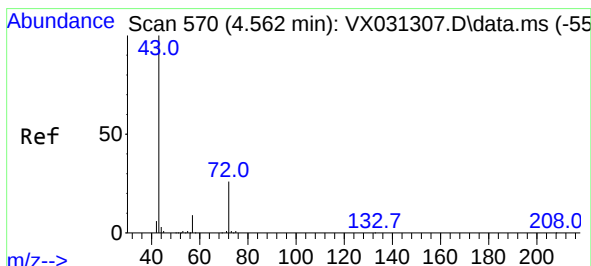
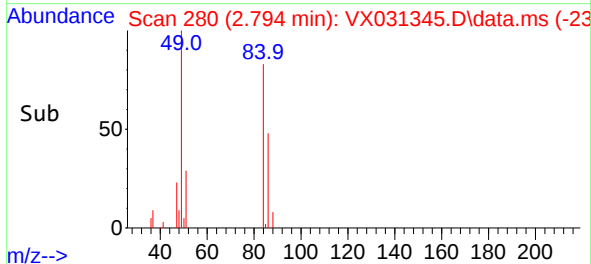
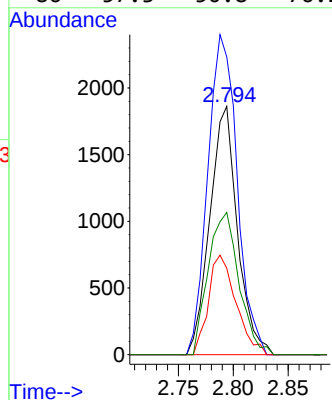
#20
Methylene Chloride
Concen: 1.342 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 3269

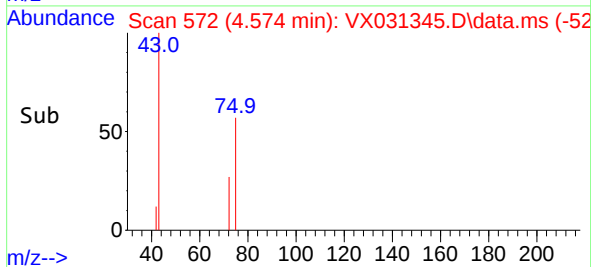
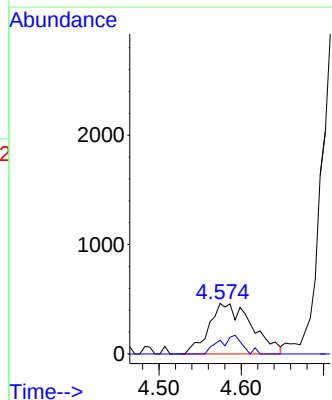
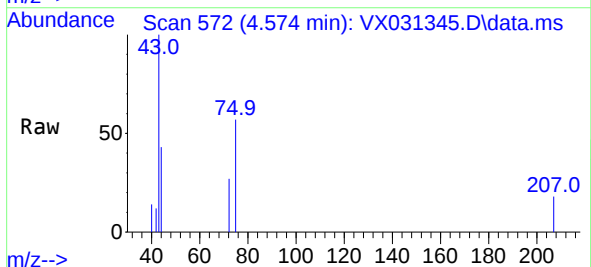
Ion	Ratio	Lower	Upper
84	100		
49	119.9	105.9	158.9
51	34.8	32.2	48.2
86	57.3	50.8	76.2

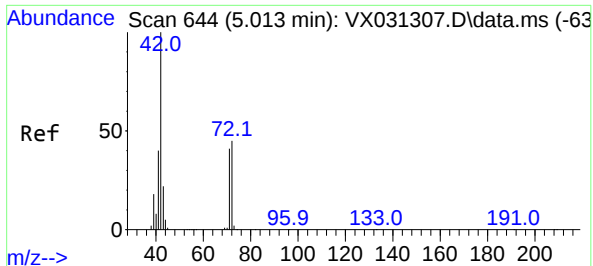


#25
2-Butanone
Concen: 1.785 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 43 Resp: 1674

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.1	31.7





#29

Tetrahydrofuran

Concen: 1.064 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

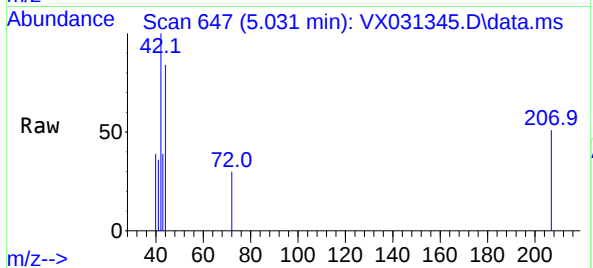
Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

Instrument :

MSVOA_X

ClientSampleId :



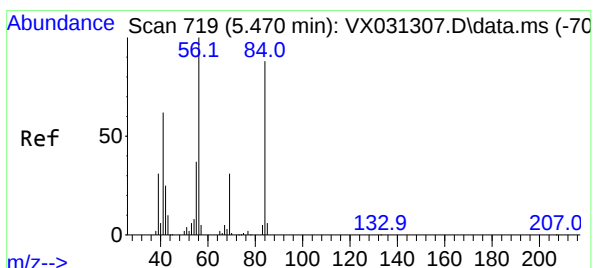
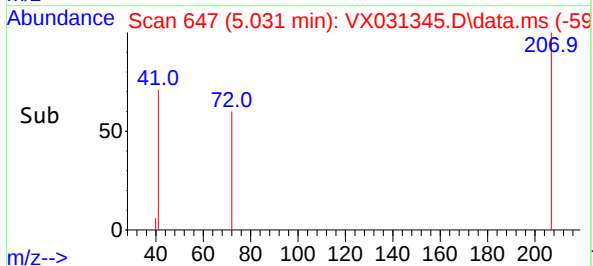
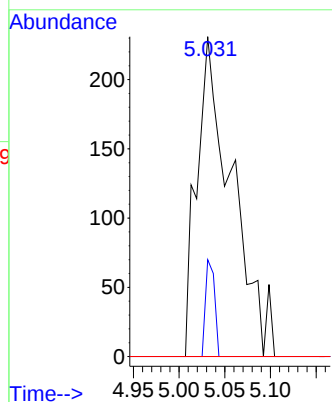
Tgt Ion: 42 Resp: 618

Ion Ratio Lower Upper

42 100

72 7.8 36.4 54.6#

71 0.0 33.5 50.3#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

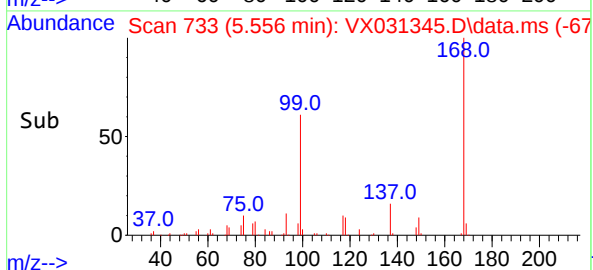
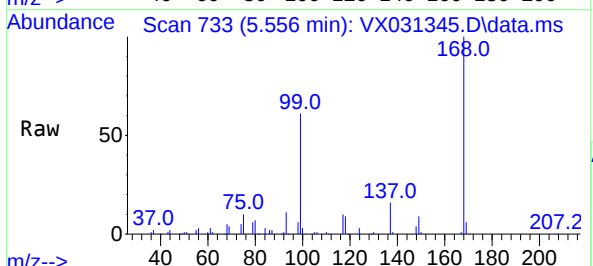
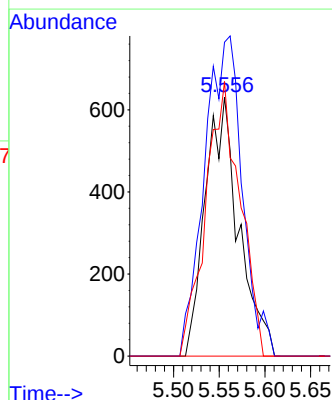
Tgt Ion: 56 Resp: 1611

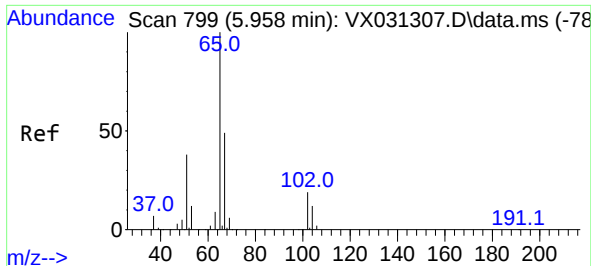
Ion Ratio Lower Upper

56 100

69 121.2 25.1 37.7#

84 106.0 70.2 105.4#

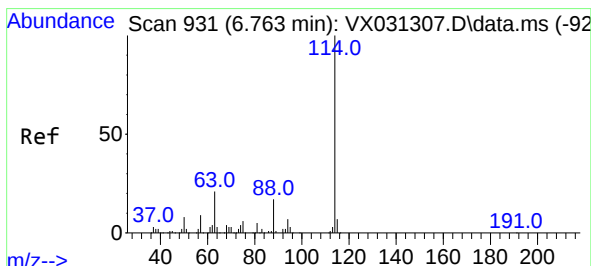
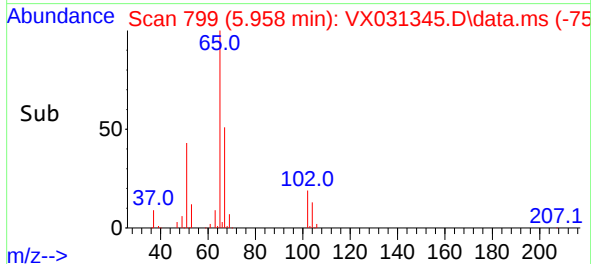
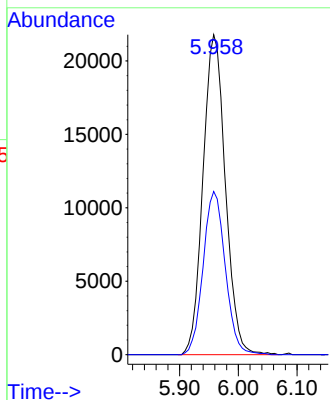
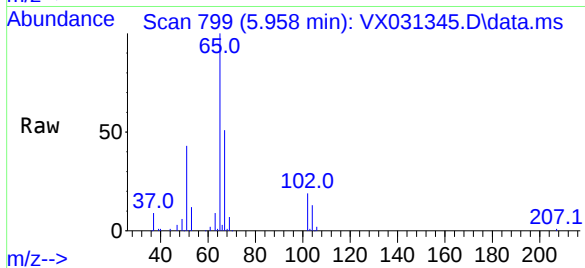




#33
1,2-Dichloroethane-d4
Concen: 43.344 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

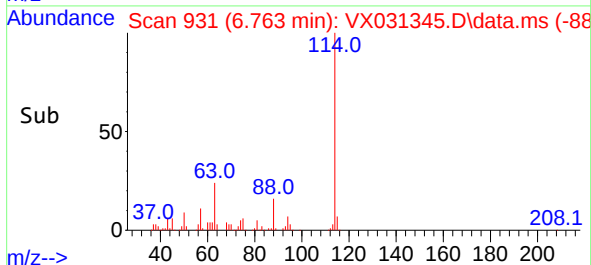
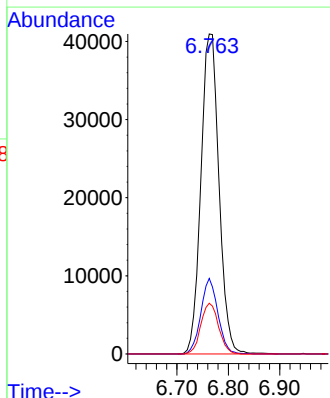
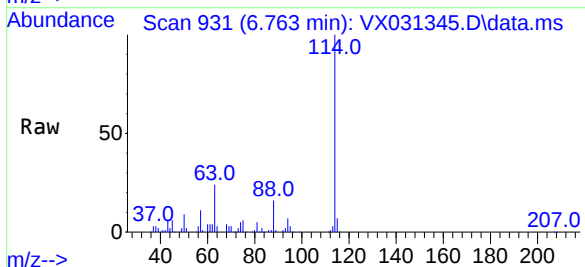
Instrument :
MSVOA_X
ClientSampleId :

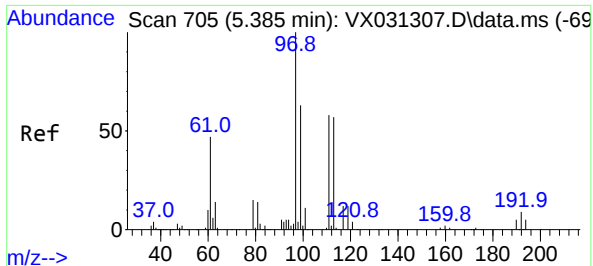
Tgt Ion: 65 Resp: 57740
Ion Ratio Lower Upper
65 100
67 50.5 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

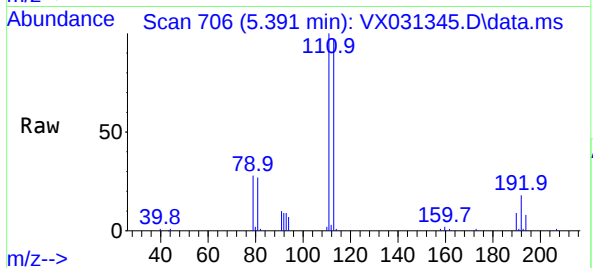
Tgt Ion: 114 Resp: 100043
Ion Ratio Lower Upper
114 100
63 23.6 0.0 42.6
88 15.8 0.0 33.0



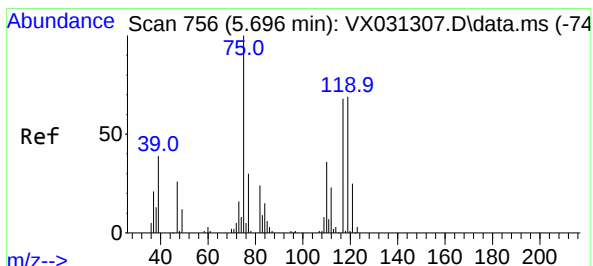
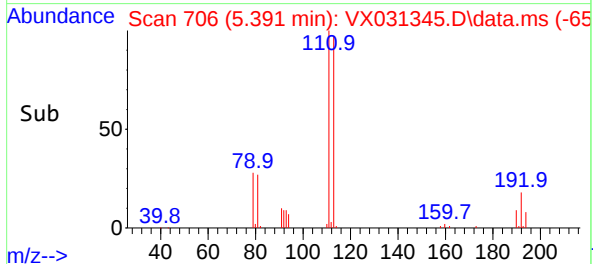
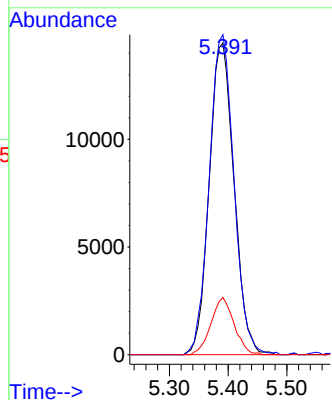


#35
Dibromofluoromethane
Concen: 39.514 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

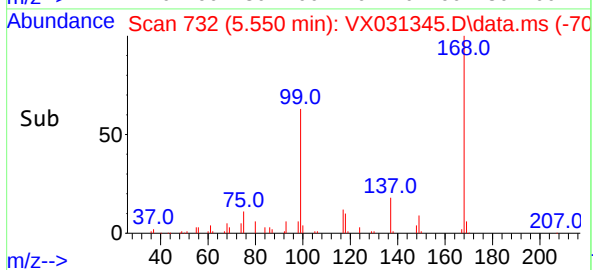
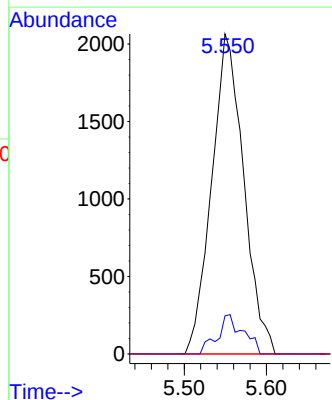
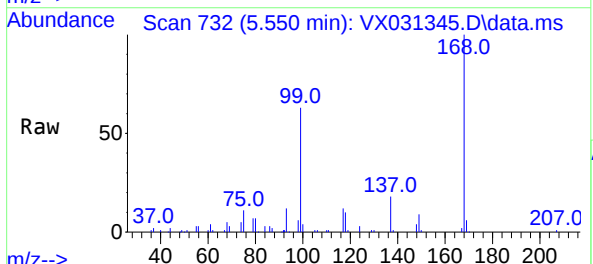


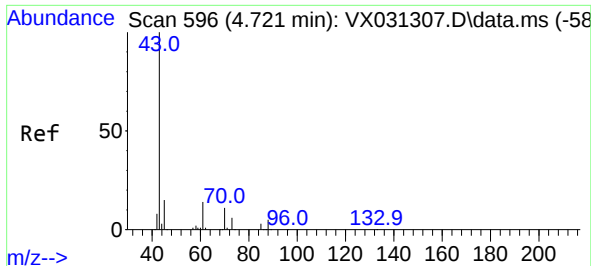
Tgt Ion:113 Resp: 42493
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 17.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.789 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 75 Resp: 5577
Ion Ratio Lower Upper
75 100
110 9.8 17.5 52.5#
77 0.0 24.9 37.3#



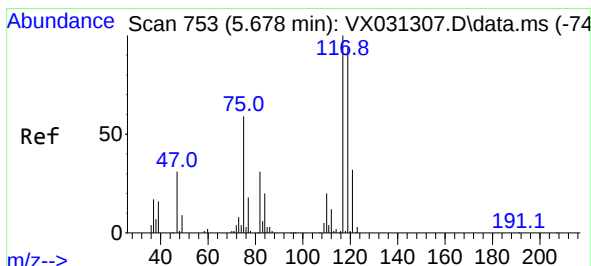
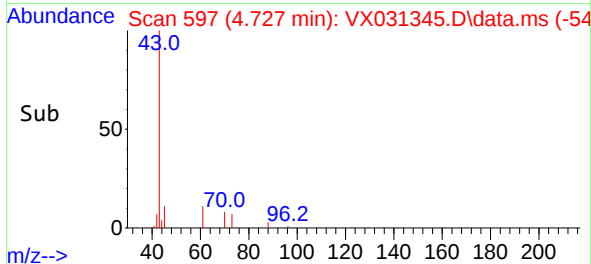
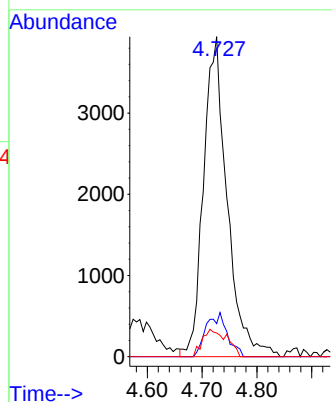
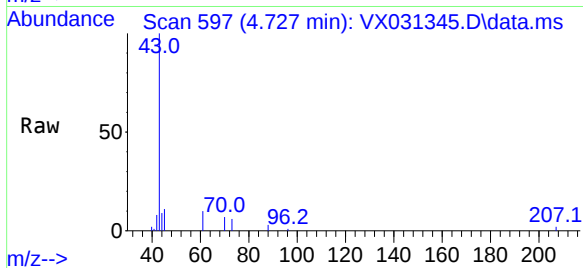


#37
Ethyl Acetate
Concen: 6.084 ug/l
RT: 4.727 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 11769

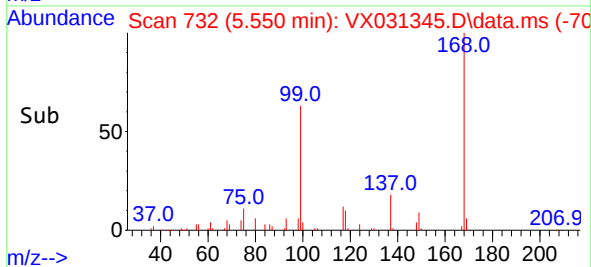
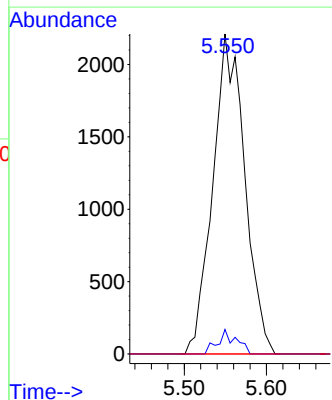
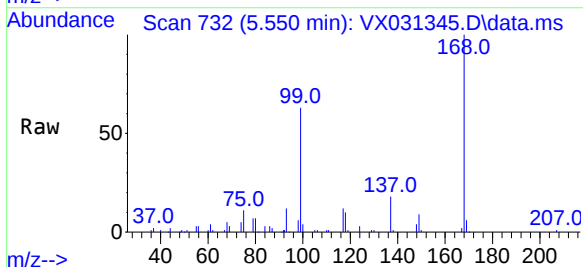
Ion	Ratio	Lower	Upper
43	100		
61	6.8	11.1	16.7#
70	8.9	8.6	13.0

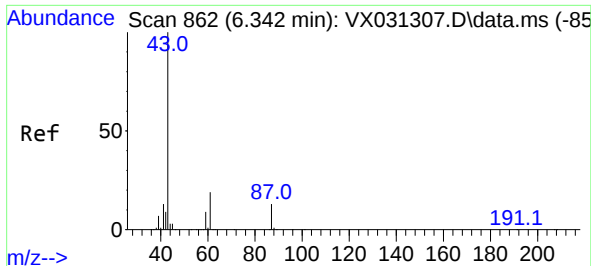


#38
Carbon Tetrachloride
Concen: 3.728 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 117 Resp: 5965

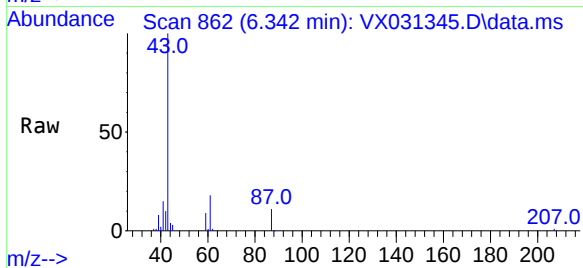
Ion	Ratio	Lower	Upper
117	100		
119	7.6	74.6	112.0#
121	0.0	25.3	37.9#



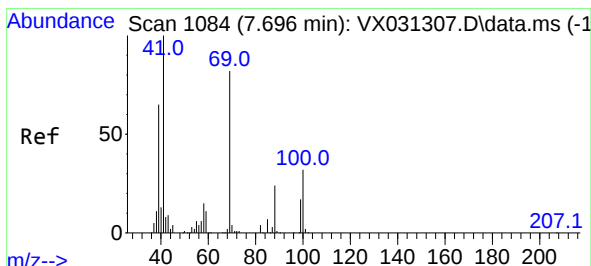
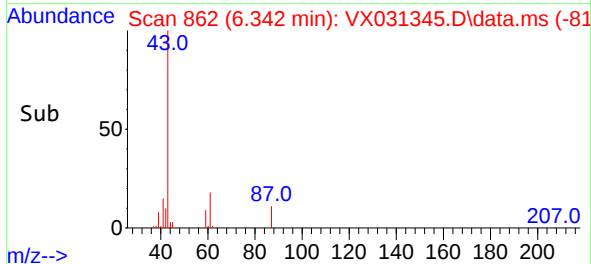
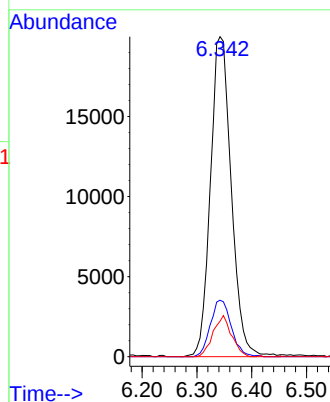


#43
Isopropyl Acetate
Concen: 15.986 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

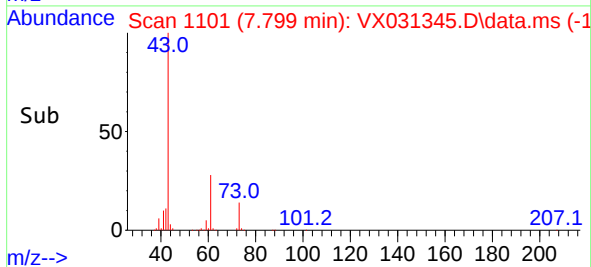
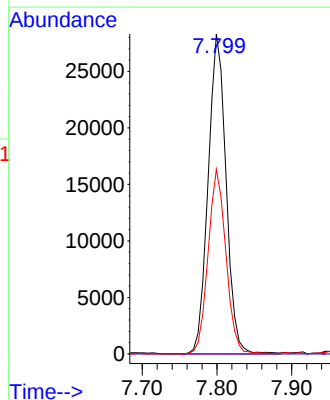
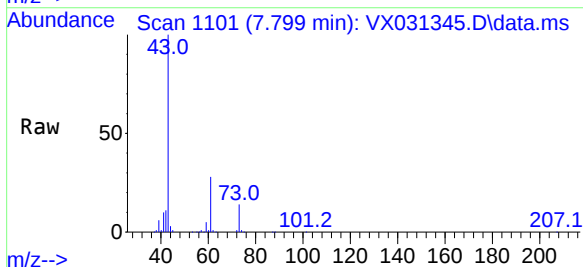


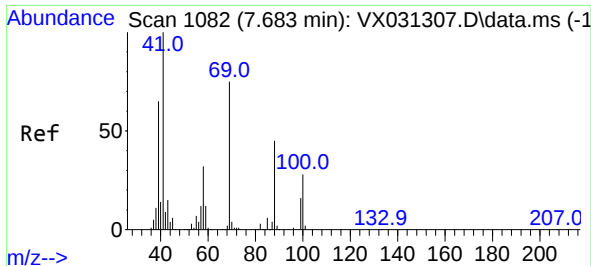
Tgt Ion: 43 Resp: 52781
Ion Ratio Lower Upper
43 100
61 17.7 15.3 22.9
87 11.4 10.6 15.8



#48
Methyl methacrylate
Concen: 31.426 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

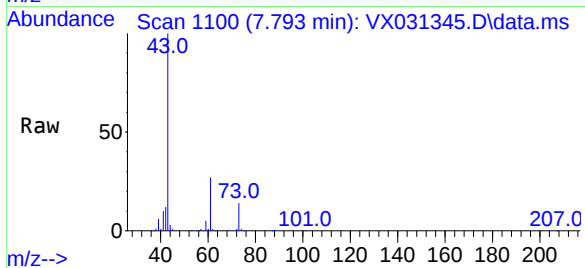
Tgt Ion: 41 Resp: 47235
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 57.3 51.4 77.0



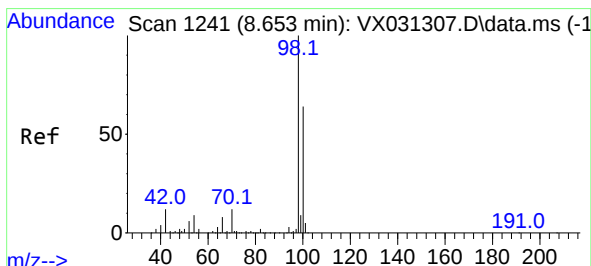
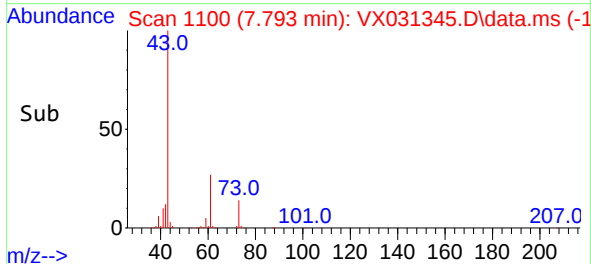
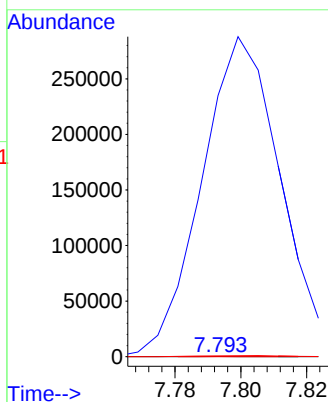


#49
1,4-Dioxane
Concen: 1.957 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.110 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

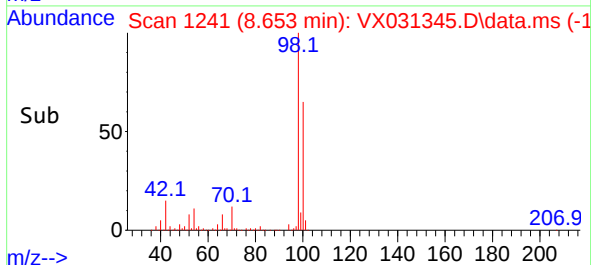
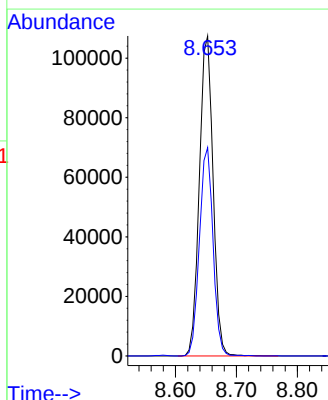
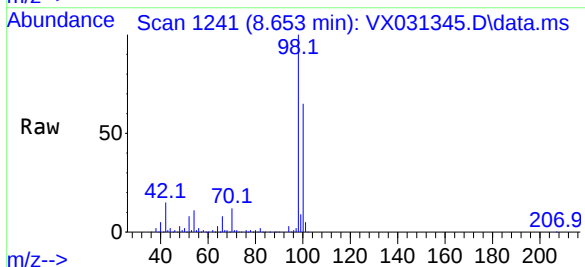


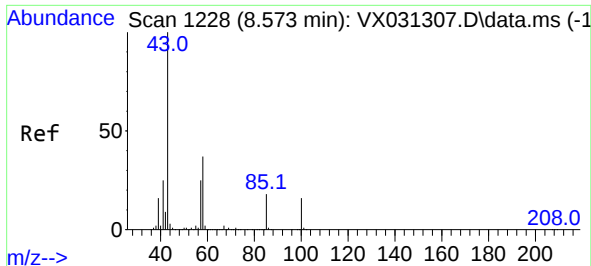
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 821545.8 27.1 40.7#
58 2918.6 53.9 80.9#



#50
Toluene-d8
Concen: 41.631 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 98 Resp: 167936
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 20.748 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

Instrument :

MSVOA_X

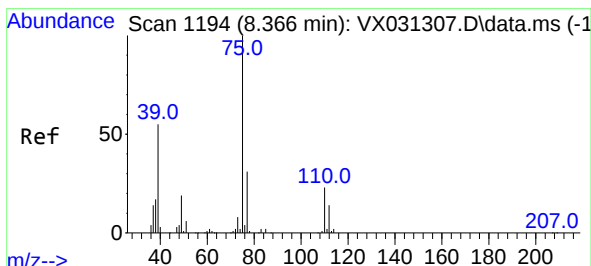
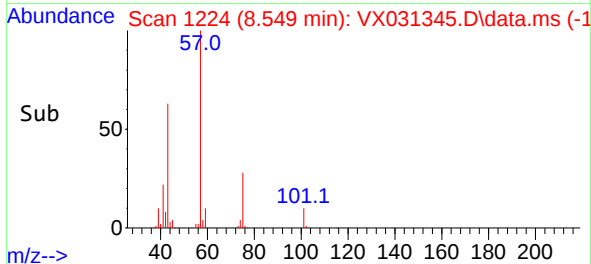
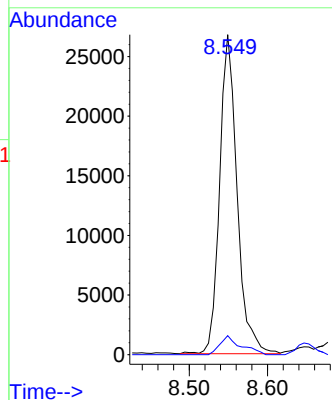
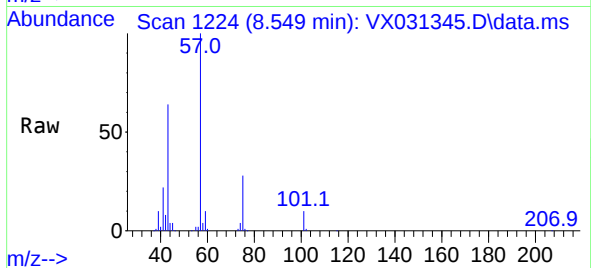
ClientSampleId :

Tgt Ion: 43 Resp: 41639

Ion Ratio Lower Upper

43 100

58 7.1 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 8.629 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031345.D

Acq: 15 Sep 2022 07:56

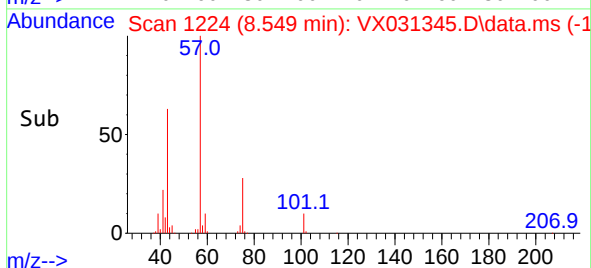
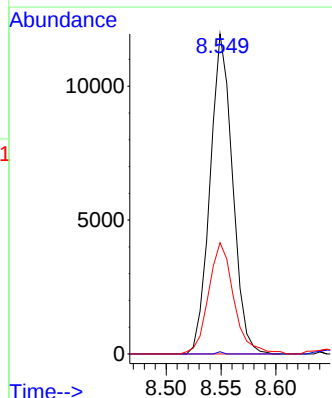
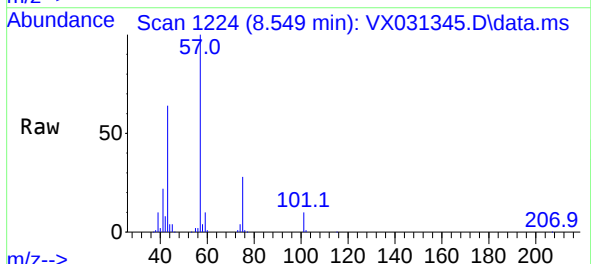
Tgt Ion: 75 Resp: 17032

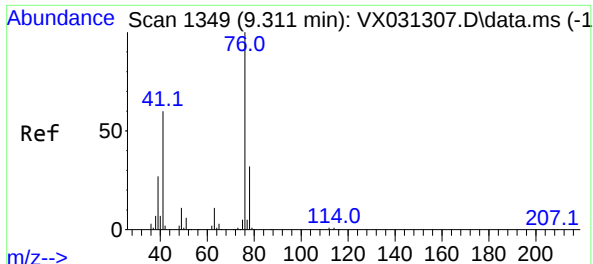
Ion Ratio Lower Upper

75 100

77 0.7 24.4 36.6#

39 34.8 43.7 65.5#

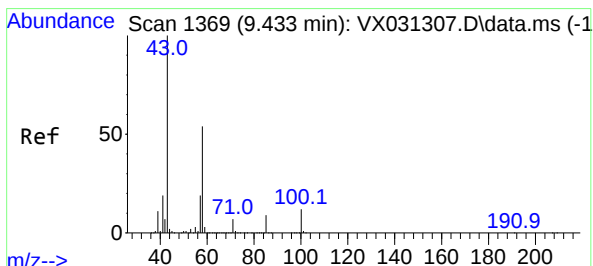
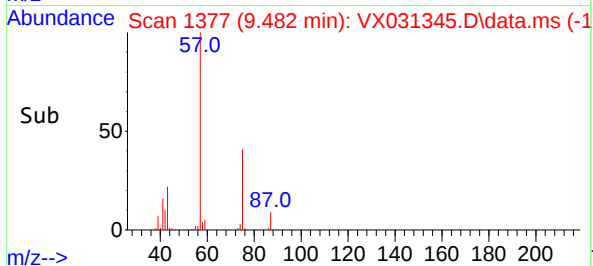
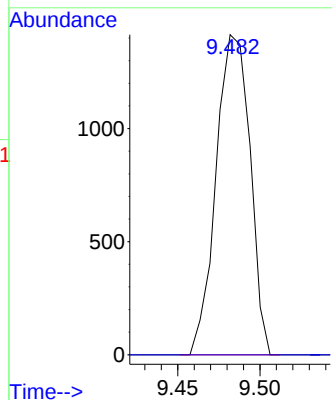
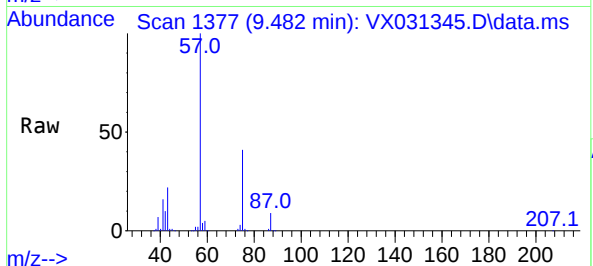




#57
1,3-Dichloropropane
Concen: 1.003 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

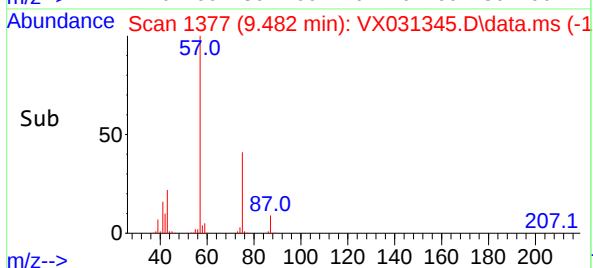
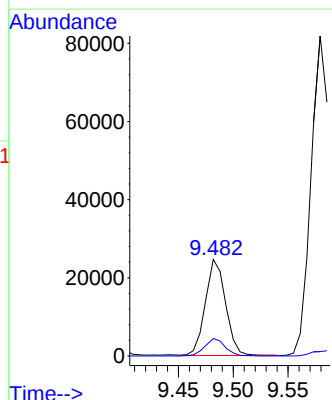
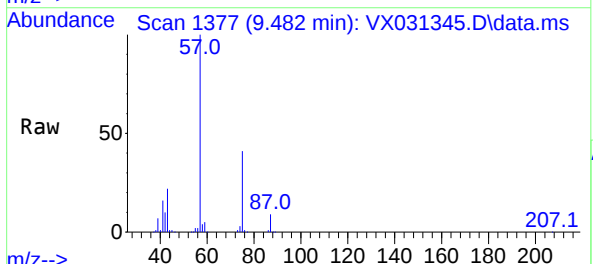
Instrument :
MSVOA_X
ClientSampleId :

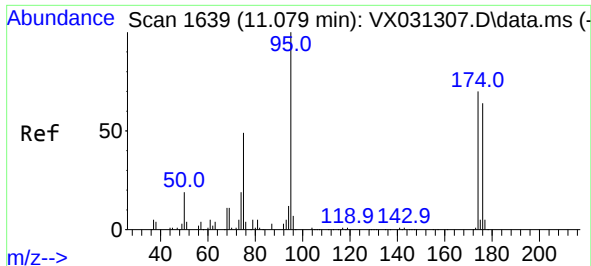
Tgt Ion: 76 Resp: 2034
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 20.532 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 43 Resp: 31450
Ion Ratio Lower Upper
43 100
58 18.4 26.7 80.0#

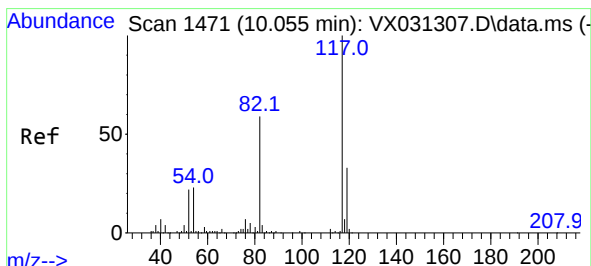
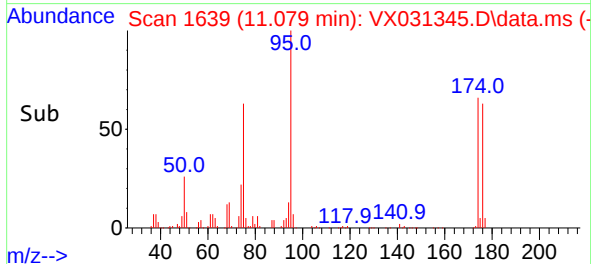
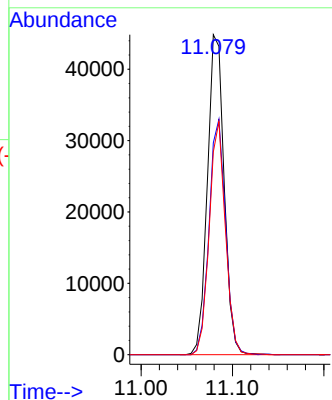
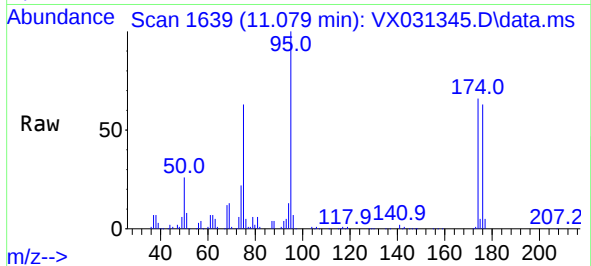




#62
4-Bromofluorobenzene
Concen: 38.495 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

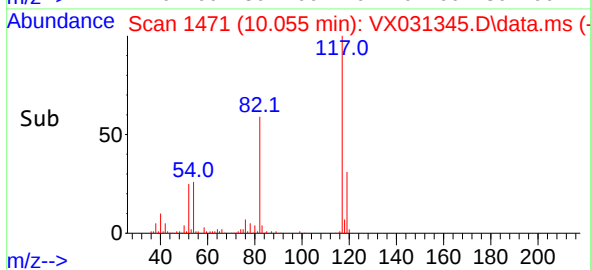
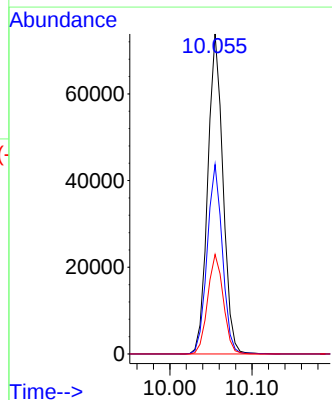
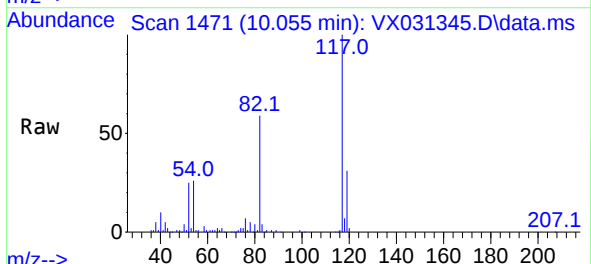
Instrument :
MSVOA_X
ClientSampleId :

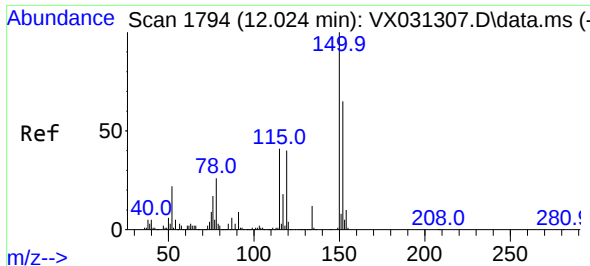
Tgt Ion: 95 Resp: 56864
Ion Ratio Lower Upper
95 100
174 73.0 0.0 153.2
176 70.2 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

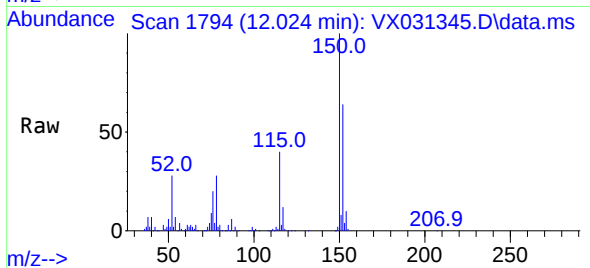
Tgt Ion: 117 Resp: 94799
Ion Ratio Lower Upper
117 100
82 59.2 46.8 70.2
119 31.1 26.4 39.6



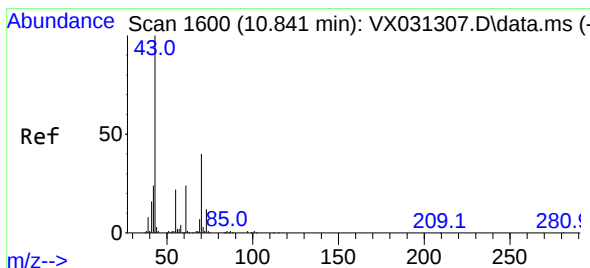
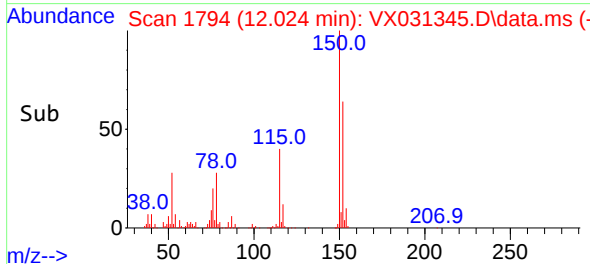
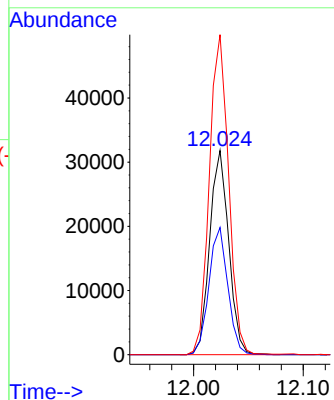


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

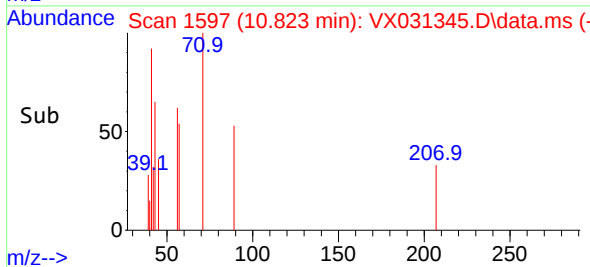
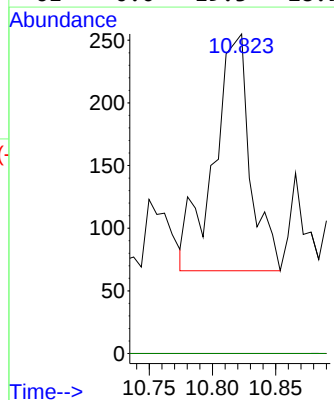
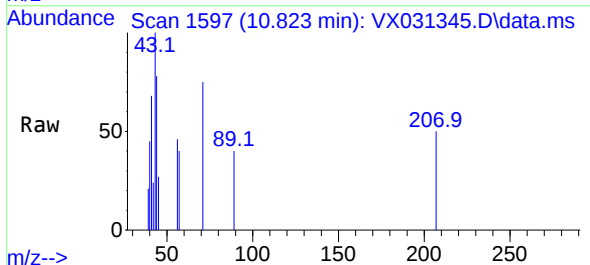


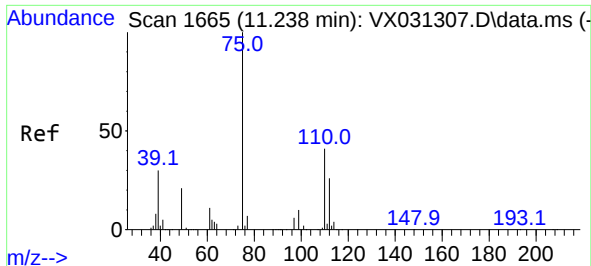
Tgt Ion:152 Resp: 38411
Ion Ratio Lower Upper
152 100
115 62.1 43.4 130.1
150 158.5 0.0 346.8



#74
N-ethyl acetate
Concen: 0.269 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 43 Resp: 379
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#

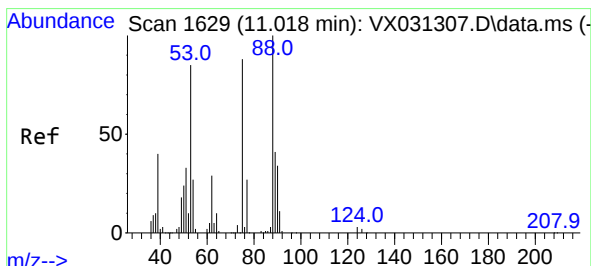
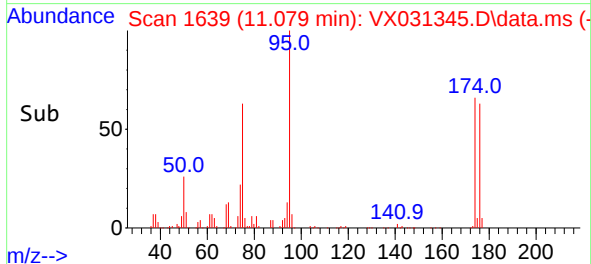
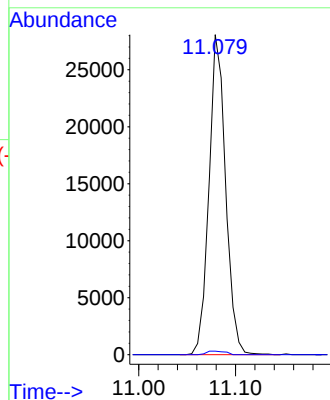
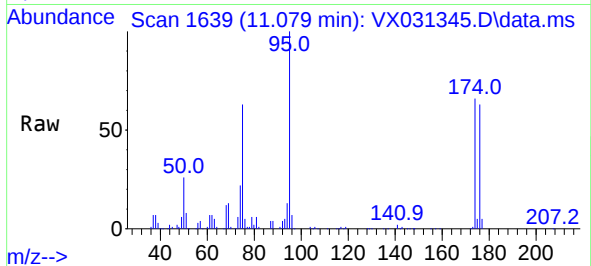




#76
1,2,3-Trichloropropane
Concen: 34.729 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33616
Ion Ratio Lower Upper
75 100
77 1.3 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031345.D
Acq: 15 Sep 2022 07:56

Tgt Ion: 75 Resp: 33616
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

