

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031343.D
 Acq On : 15 Sep 2022 07:09
 Operator : JC/MD
 Sample : N4579-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

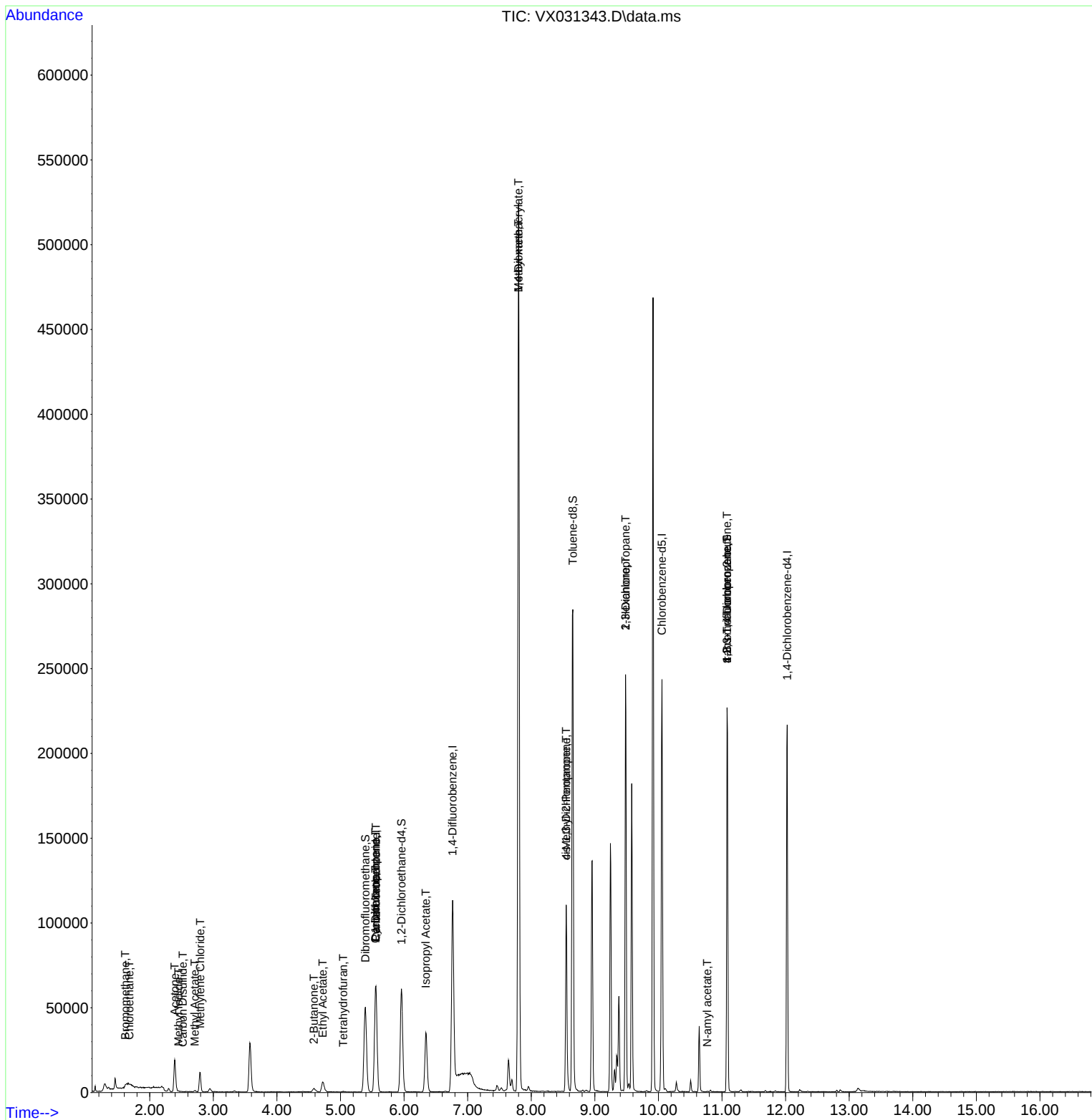
Quant Time: Sep 15 11:12:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

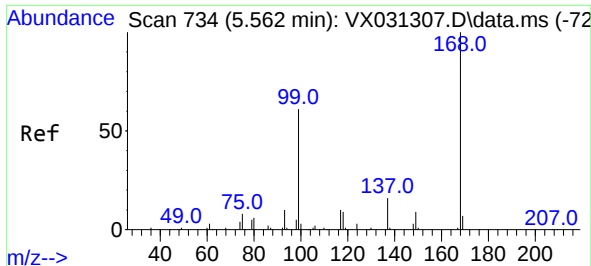
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	54632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	100786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56441	42.090	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.180%
35) Dibromofluoromethane	5.391	113	41667	38.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	76.920%
50) Toluene-d8	8.653	98	163270	40.176	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	80.360%#
62) 4-Bromofluorobenzene	11.079	95	55321	37.174	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	74.340%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	215	Below Cal	#	41
5) Bromomethane	1.618	94	233	0.325	ug/l	85
6) Chloroethane	1.679	64	146	0.214	ug/l #	43
10) Methyl Iodide	2.453	142	234	1.169	ug/l #	59
11) Tert butyl alcohol	2.947	59	1215	Below Cal	#	73
16) Acetone	2.392	43	23790	41.557	ug/l	93
17) Carbon Disulfide	2.520	76	189	0.981	ug/l #	75
18) Methyl Acetate	2.709	43	1140	0.672	ug/l #	89
20) Methylene Chloride	2.794	84	4827	3.139	ug/l	93
21) trans-1,2-Dichloroethene	2.898	96	48	Below Cal	#	1
25) 2-Butanone	4.581	43	3248	3.440	ug/l	93
29) Tetrahydrofuran	5.044	42	354	0.605	ug/l #	48
31) Cyclohexane	5.550	56	1688	1.172	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	5374	3.624	ug/l #	48
37) Ethyl Acetate	4.721	43	11476	5.889	ug/l #	90
38) Carbon Tetrachloride	5.556	117	5917	3.671	ug/l #	18
43) Isopropyl Acetate	6.342	43	49571	14.903	ug/l	96
48) Methyl methacrylate	7.799	41	45386	29.974	ug/l #	46
49) 1,4-Dioxane	7.799	88	46	1.515	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39540	19.557	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	15103	7.595	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	2062	1.009	ug/l #	43
59) 2-Hexanone	9.482	43	29318	18.999	ug/l #	52
74) N-amyl acetate	10.768	43	434	0.299	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	32184	32.355	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32184	89.526	ug/l #	11

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

Quant Time: Sep 15 11:12:45 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

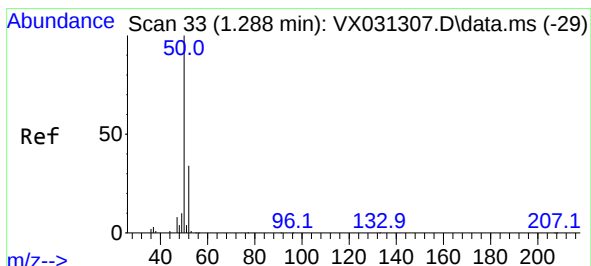
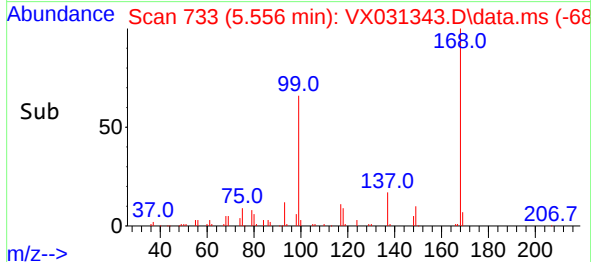
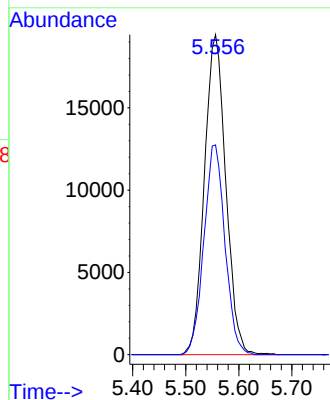
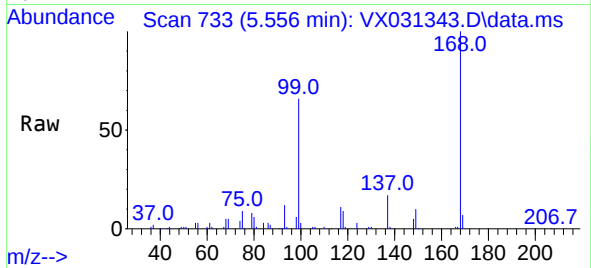




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

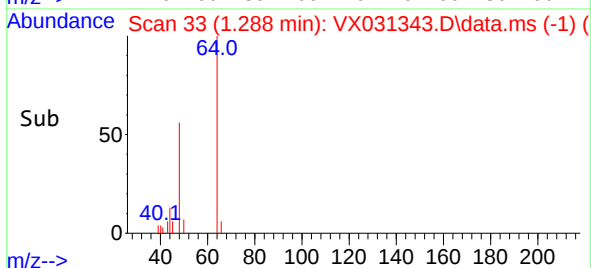
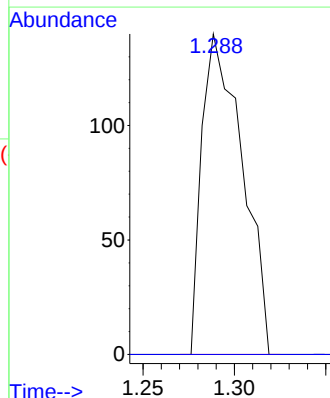
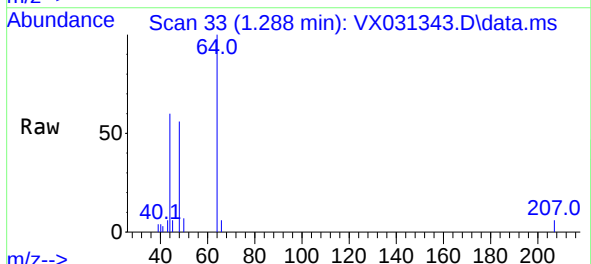
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 54632
Ion Ratio Lower Upper
168 100
99 65.5 48.8 73.2

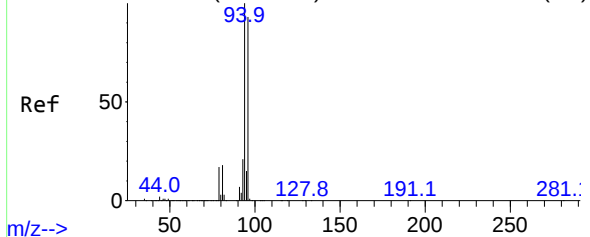


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 50 Resp: 215
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



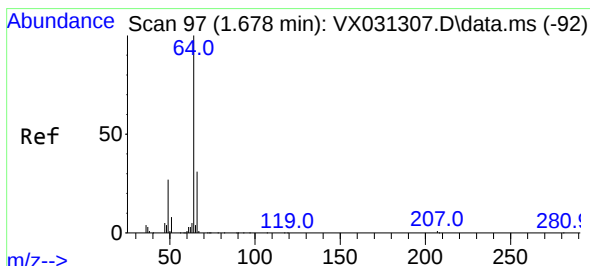
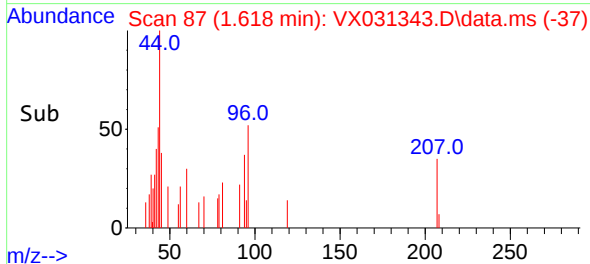
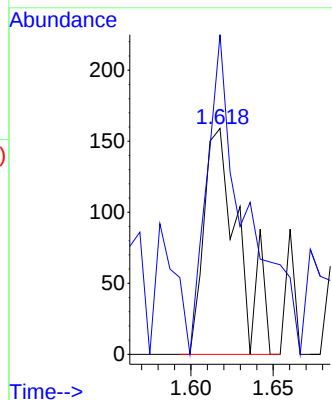
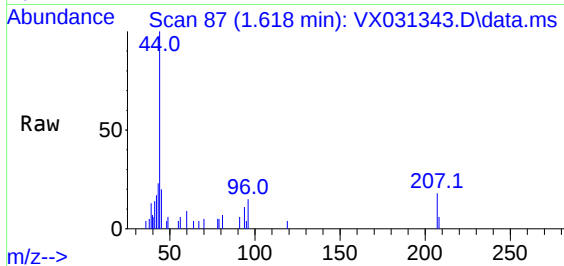
Abundance Scan 86 (1.611 min): VX031307.D\data.ms (-80)



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

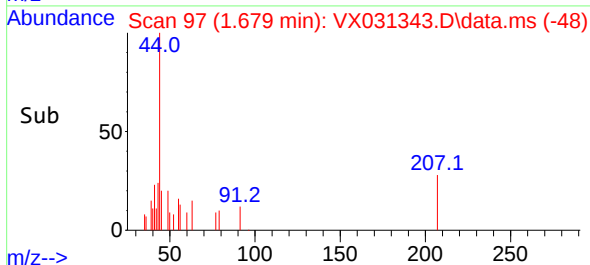
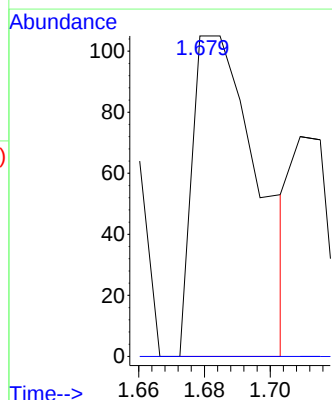
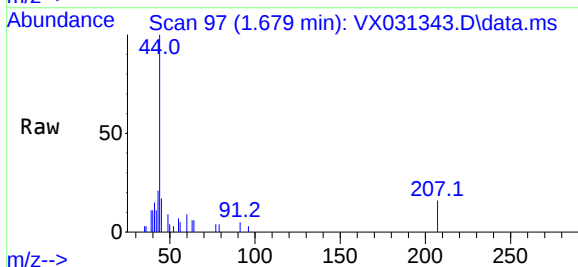
Instrument :
MSVOA_X
ClientSampleId :

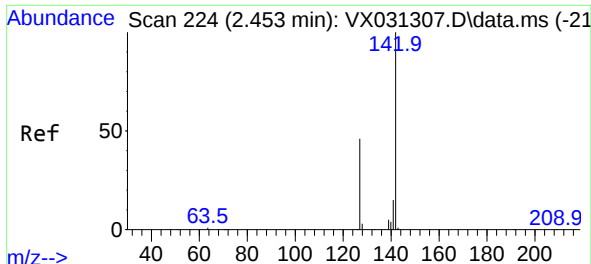
Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 107.5 74.4 111.6



#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

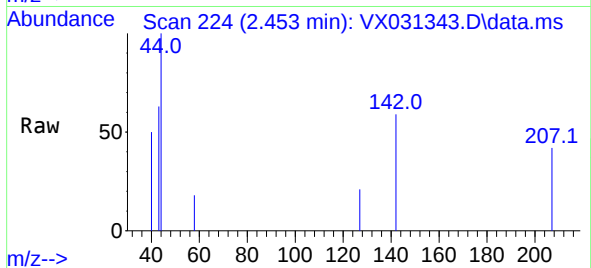
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



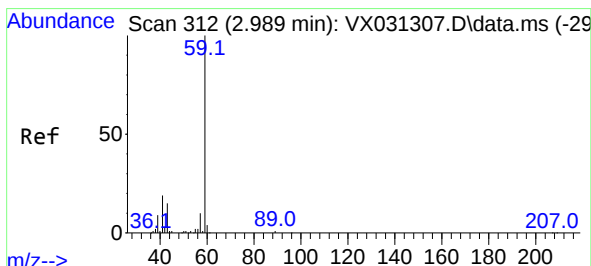
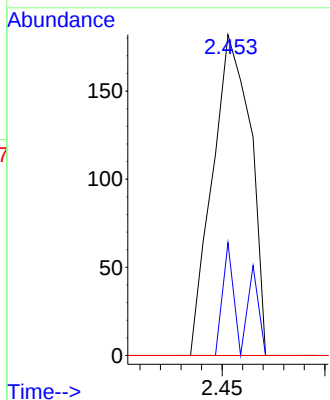
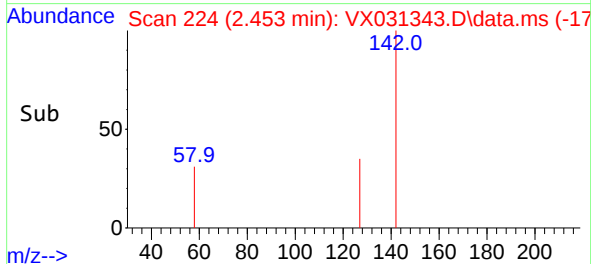


#10
Methyl Iodide
Concen: 1.169 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :

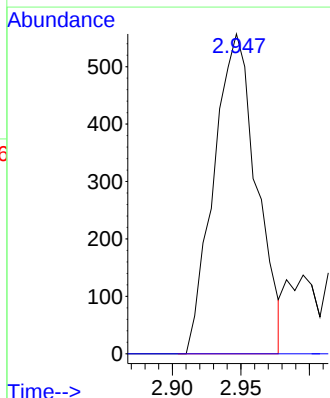
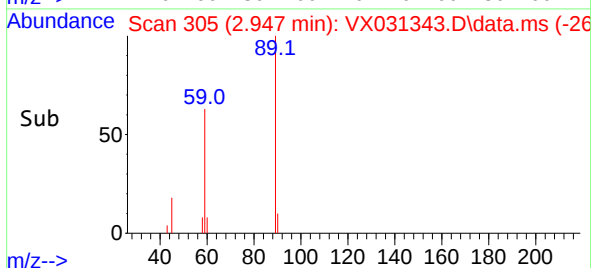
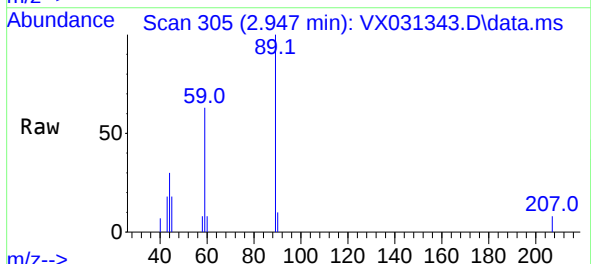


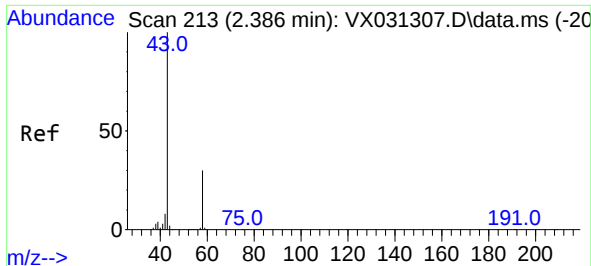
Tgt Ion:142 Resp: 234
Ion Ratio Lower Upper
142 100
127 17.9 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 59 Resp: 1215
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

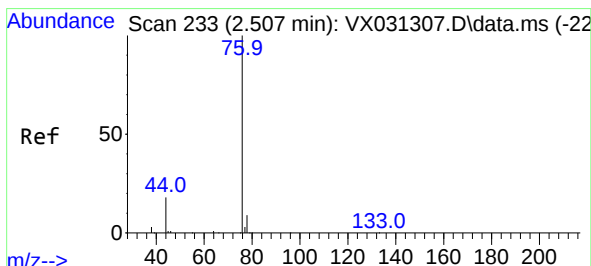
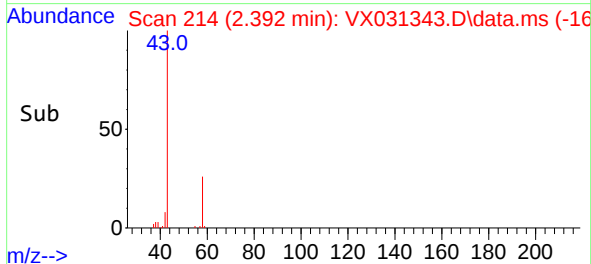
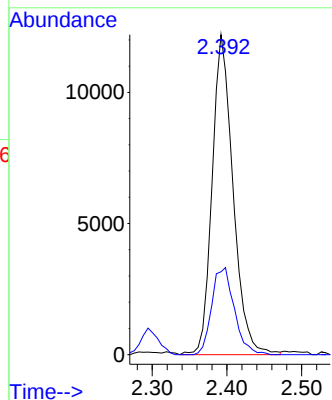
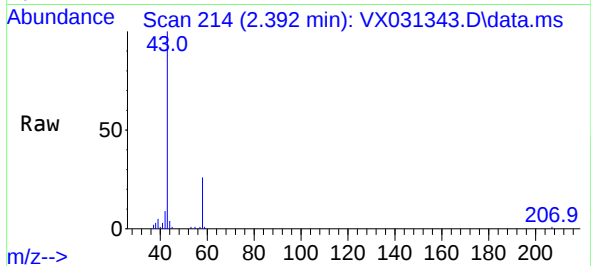




#16
Acetone
Concen: 41.557 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

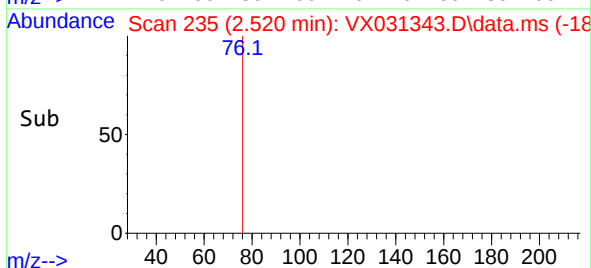
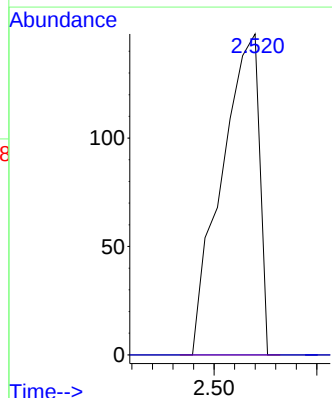
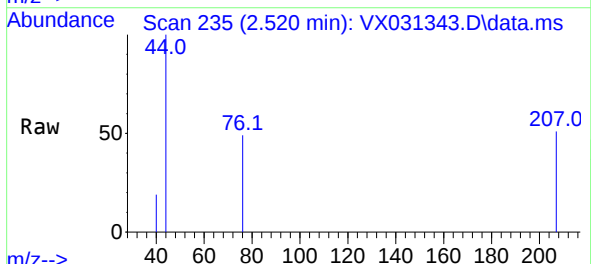
Instrument :
MSVOA_X
ClientSampleId :

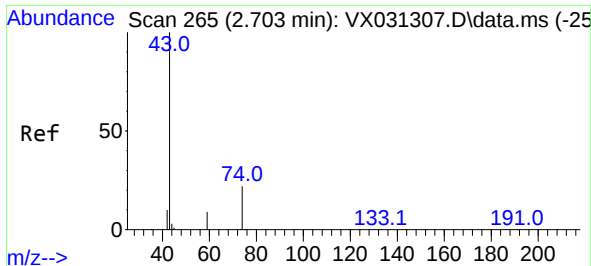
Tgt Ion: 43 Resp: 23790
Ion Ratio Lower Upper
43 100
58 25.9 23.8 35.8



#17
Carbon Disulfide
Concen: 0.981 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 76 Resp: 189
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.672 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

Instrument :

MSVOA_X

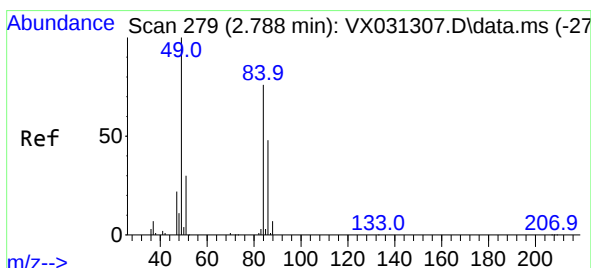
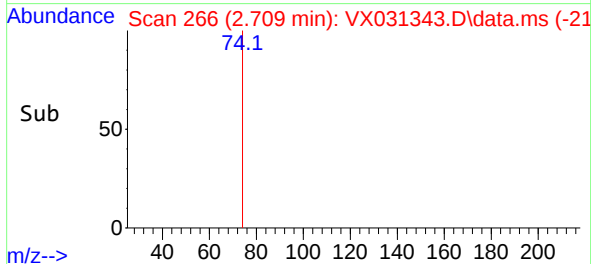
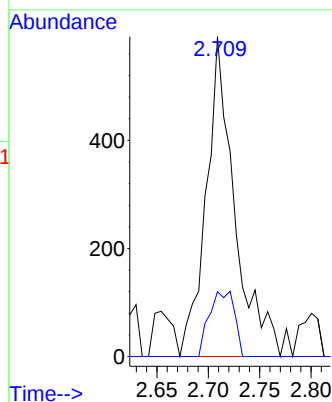
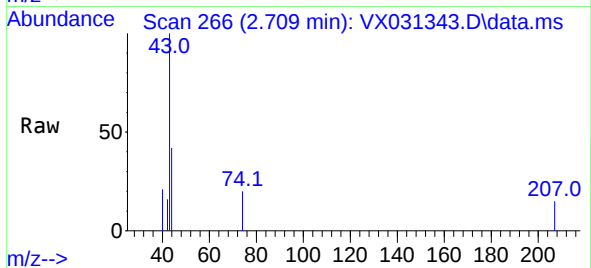
ClientSampleId :

Tgt Ion: 43 Resp: 1140

Ion Ratio Lower Upper

43 100

74 18.0 18.6 27.8#



#20

Methylene Chloride

Concen: 3.139 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

Tgt Ion: 84 Resp: 4827

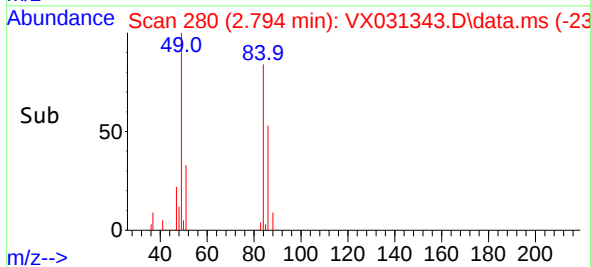
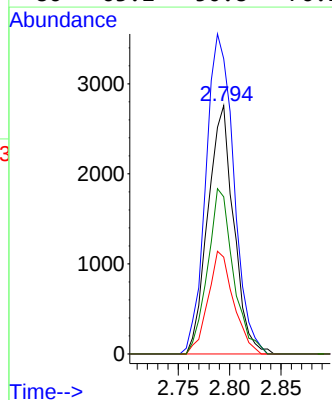
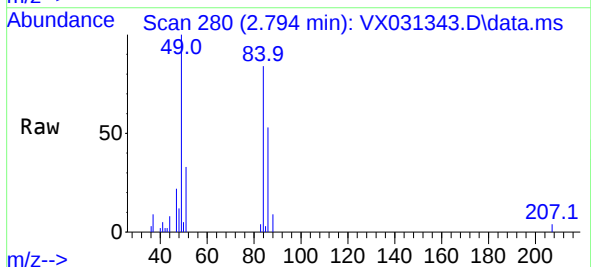
Ion Ratio Lower Upper

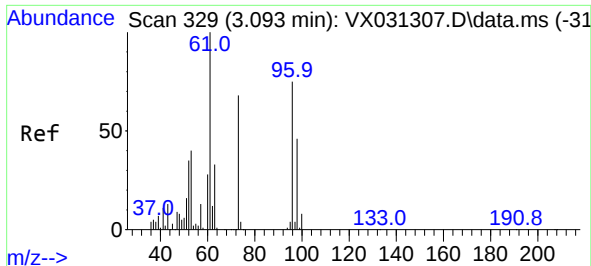
84 100

49 118.9 105.9 158.9

51 38.9 32.2 48.2

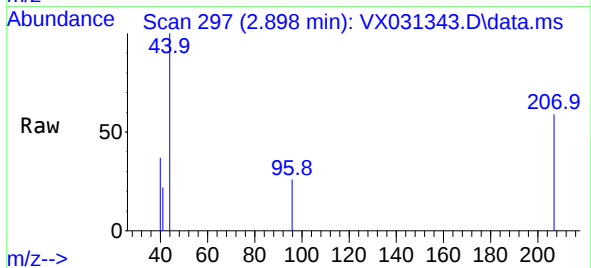
86 63.2 50.8 76.2



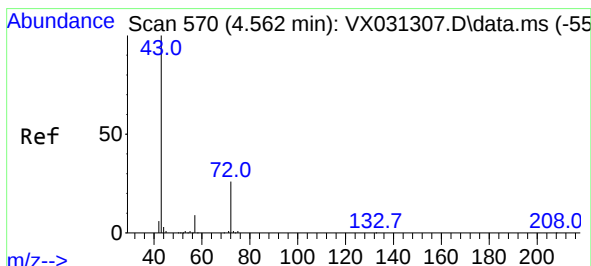
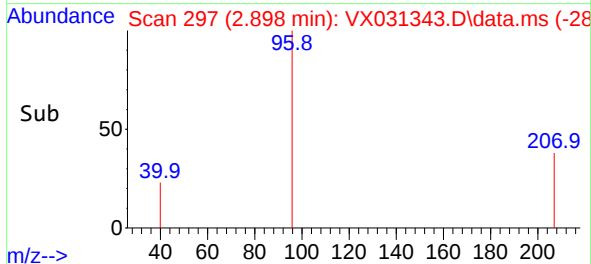
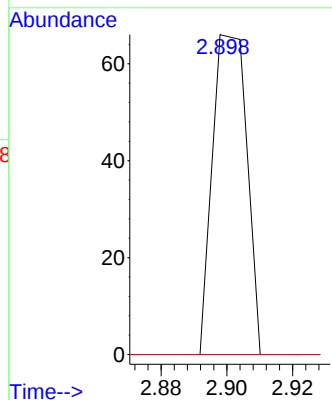


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.898 min Scan# 21
Delta R.T. -0.195 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :

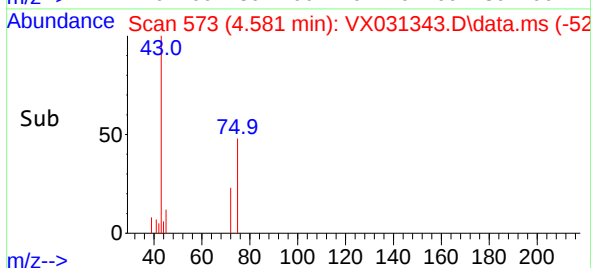
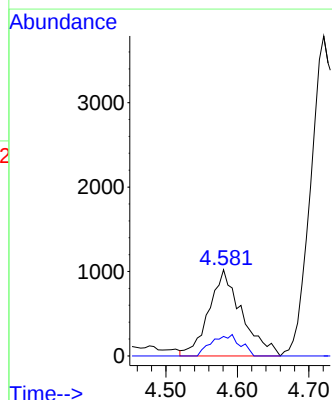
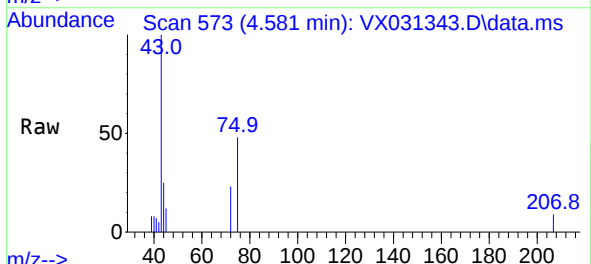


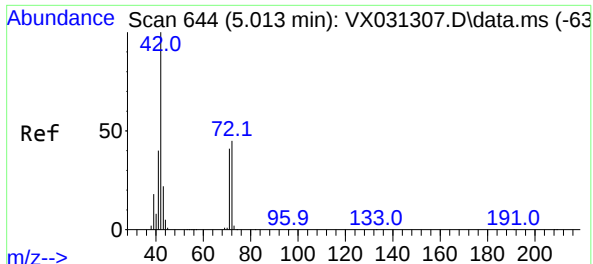
Tgt Ion: 96 Resp: 48
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 3.440 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.019 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 43 Resp: 3248
Ion Ratio Lower Upper
43 100
72 22.6 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.605 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

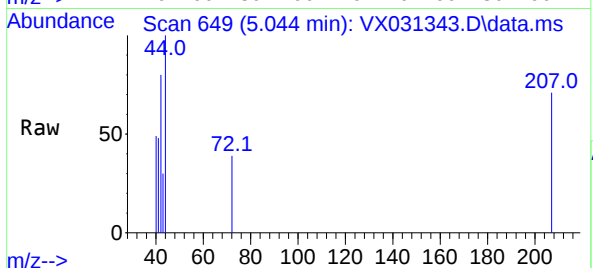
Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :



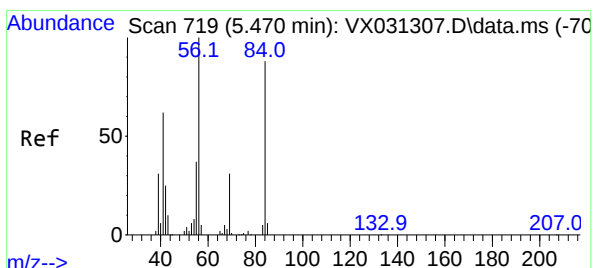
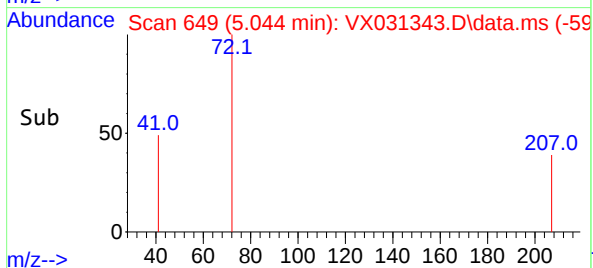
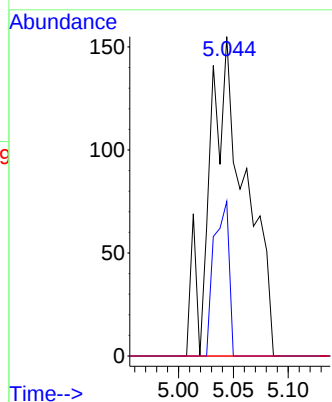
Tgt Ion: 42 Resp: 354

Ion Ratio Lower Upper

42 100

72 20.1 36.4 54.6#

71 0.0 33.5 50.3#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

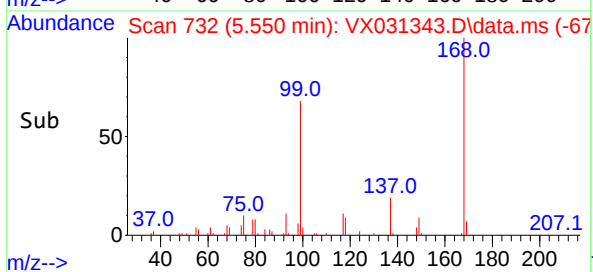
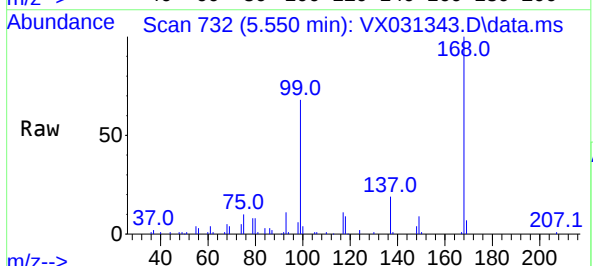
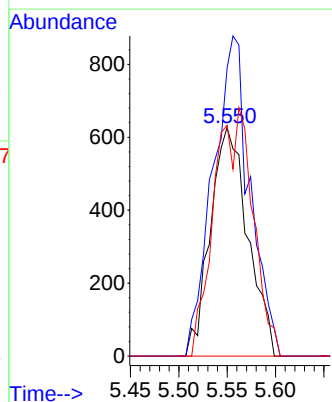
Tgt Ion: 56 Resp: 1688

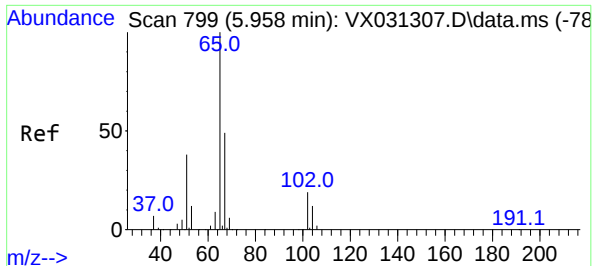
Ion Ratio Lower Upper

56 100

69 126.0 25.1 37.7#

84 101.0 70.2 105.4

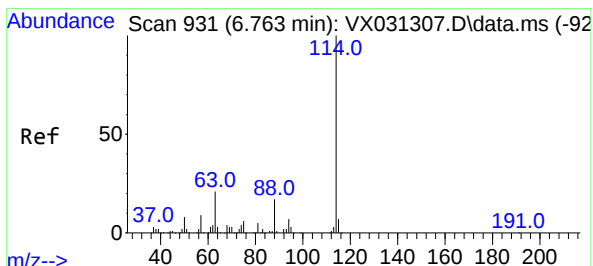
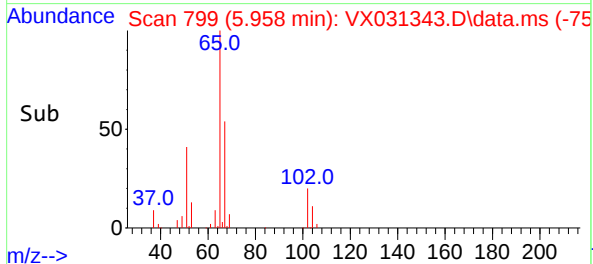
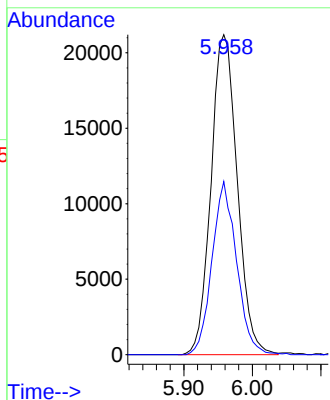
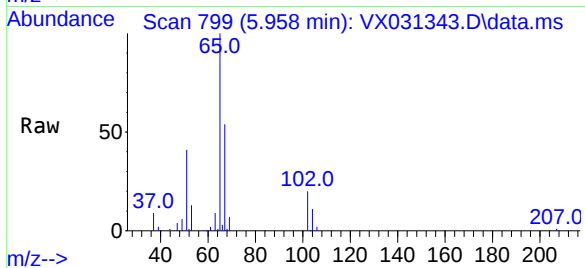




#33
 1,2-Dichloroethane-d4
 Concen: 42.090 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX031343.D
 Acq: 15 Sep 2022 07:09

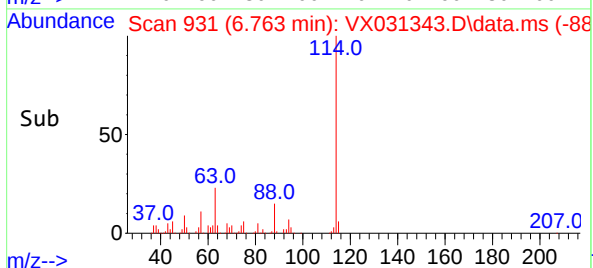
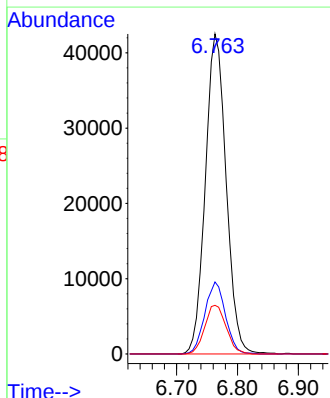
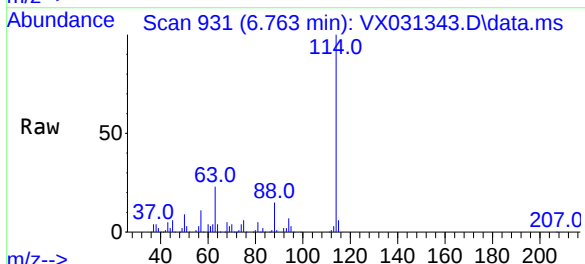
Instrument :
 MSVOA_X
 ClientSampleId :

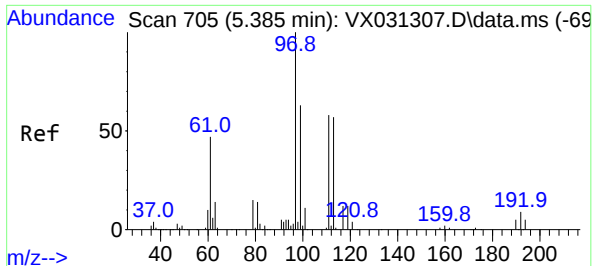
Tgt Ion: 65 Resp: 56441
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX031343.D
 Acq: 15 Sep 2022 07:09

Tgt Ion: 114 Resp: 100786
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.6
 88 15.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 38.460 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

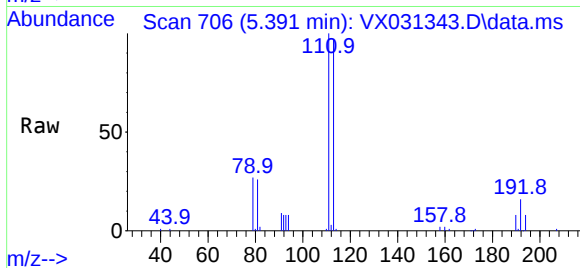
Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :



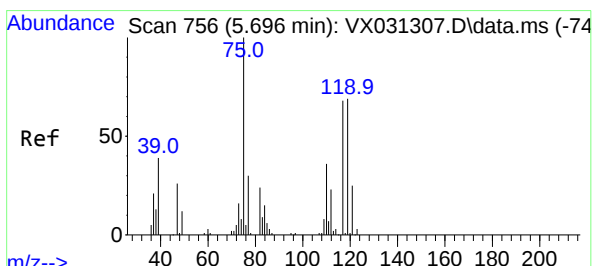
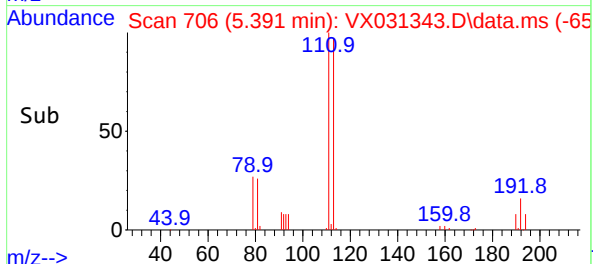
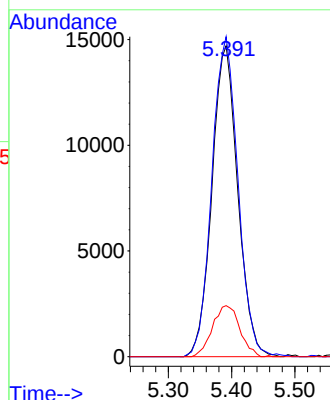
Tgt Ion:113 Resp: 41667

Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

192 17.3 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.624 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

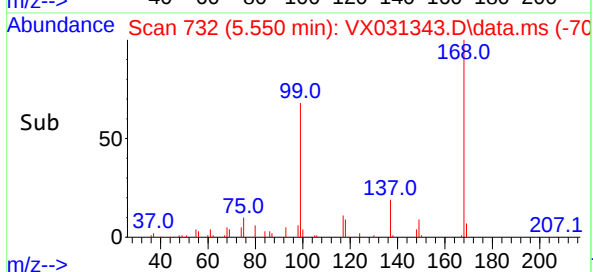
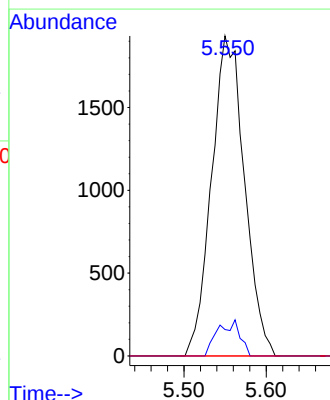
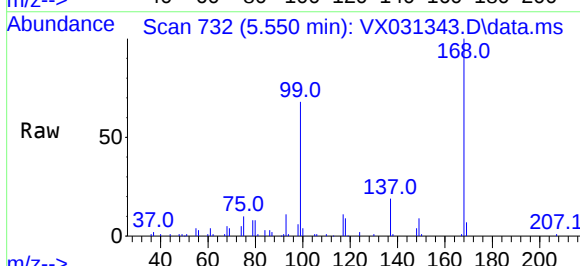
Tgt Ion: 75 Resp: 5374

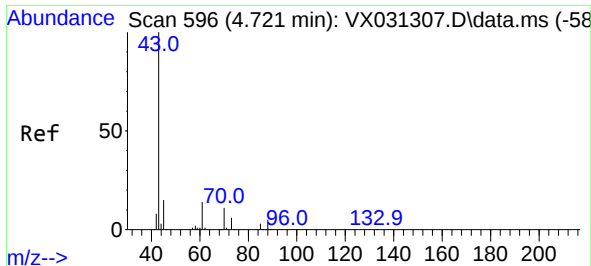
Ion Ratio Lower Upper

75 100

110 7.6 17.5 52.5#

77 0.0 24.9 37.3#

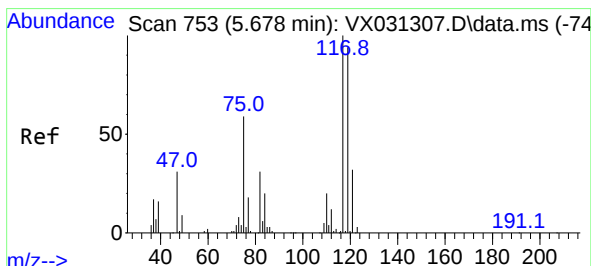
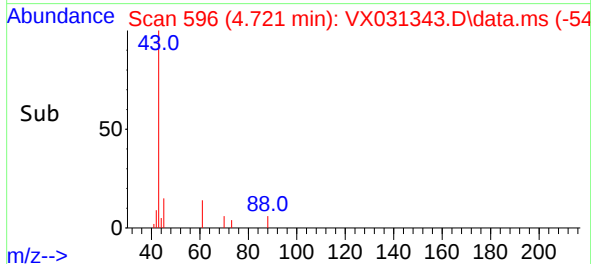
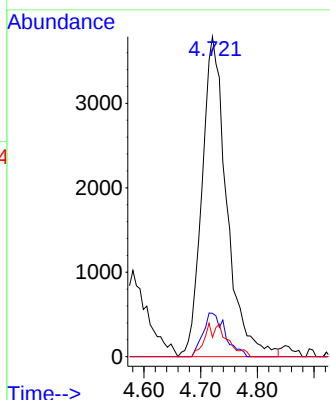
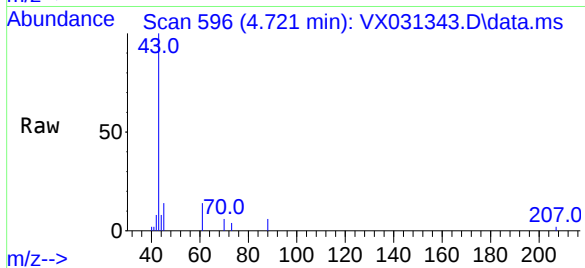




#37
Ethyl Acetate
Concen: 5.889 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

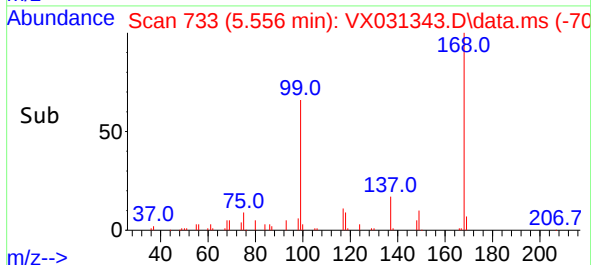
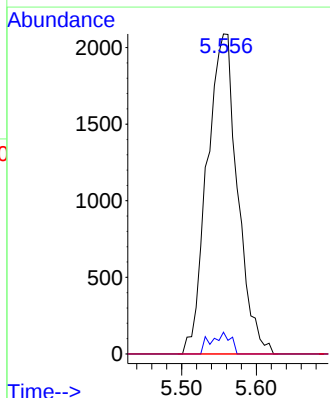
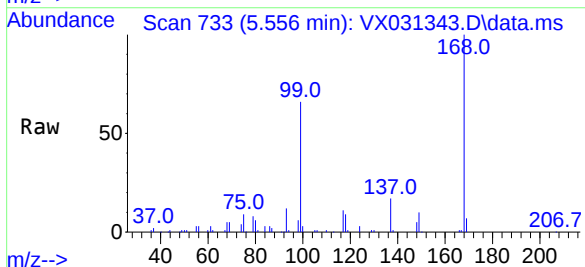
Instrument :
MSVOA_X
ClientSampleId :

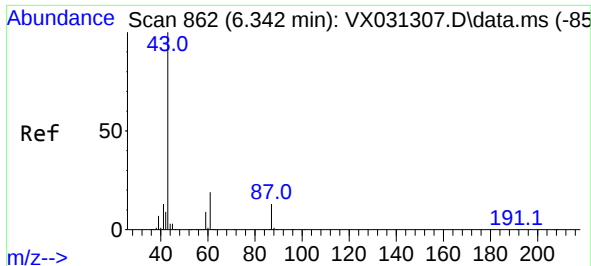
Tgt Ion:	43	Resp:	11476
Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.1	16.7
70	3.7	8.6	13.0



#38
Carbon Tetrachloride
Concen: 3.671 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion:	117	Resp:	5917
Ion	Ratio	Lower	Upper
117	100		
119	6.8	74.6	112.0
121	0.0	25.3	37.9

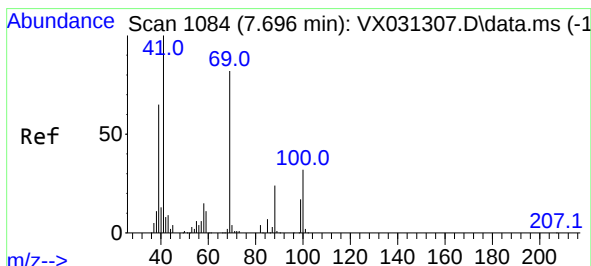
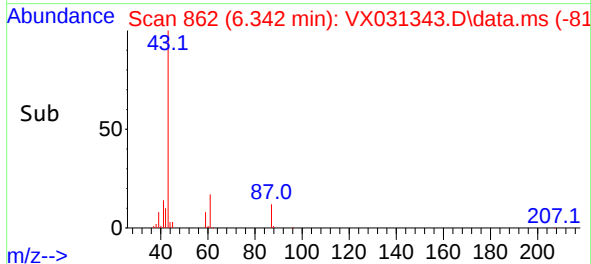
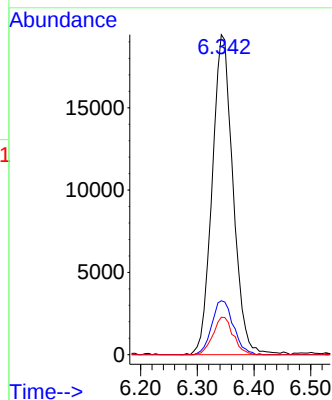
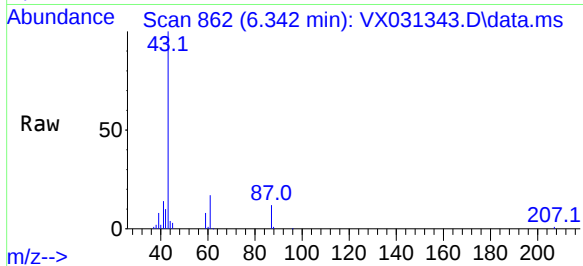




#43
Isopropyl Acetate
Concen: 14.903 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

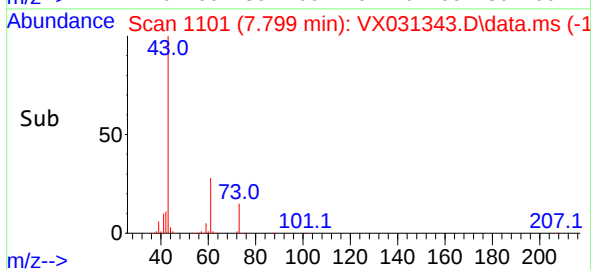
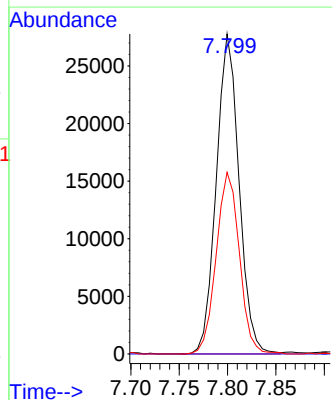
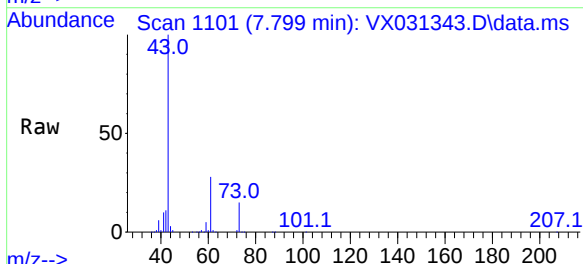
Instrument :
MSVOA_X
ClientSampleId :

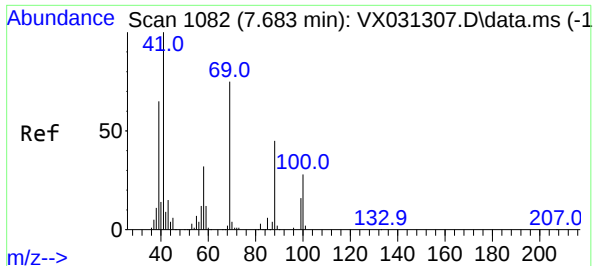
Tgt Ion:	43	Resp:	49571
Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.3	22.9
87	11.4	10.6	15.8



#48
Methyl methacrylate
Concen: 29.974 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

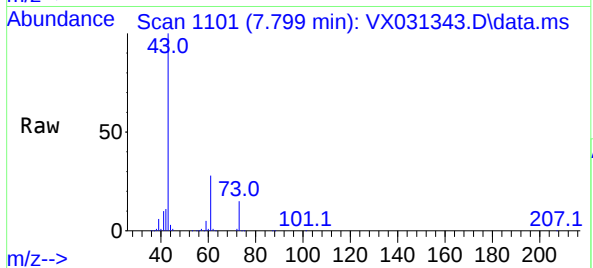
Tgt Ion:	41	Resp:	45386
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	57.8	51.4	77.0



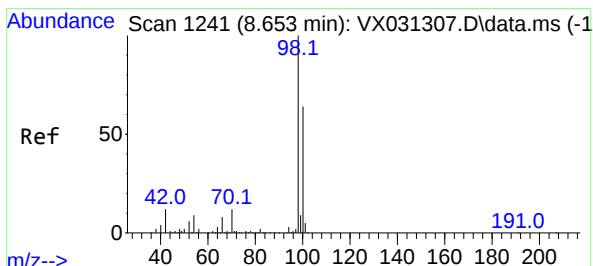
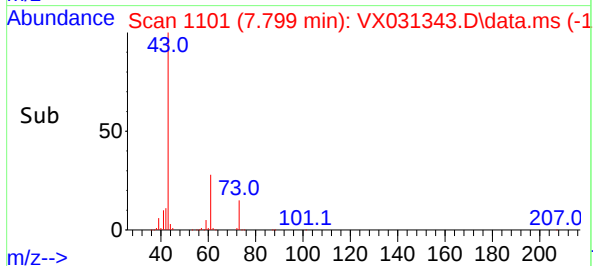
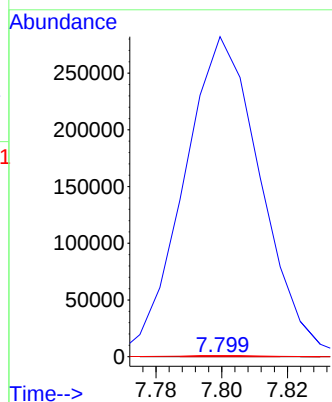


#49
1,4-Dioxane
Concen: 1.515 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.116 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :

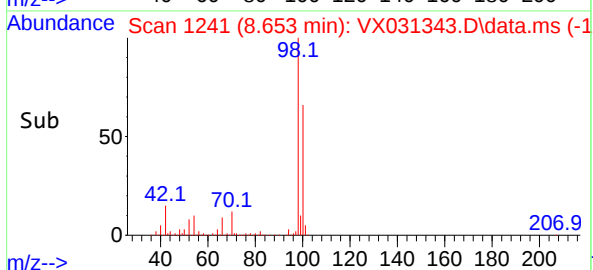
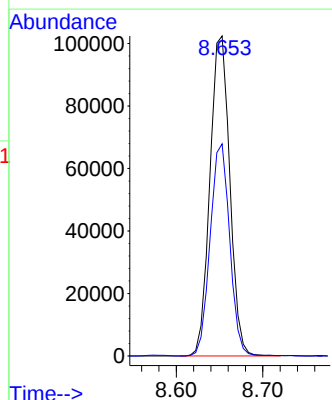
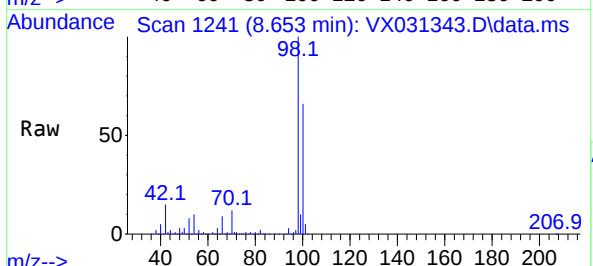


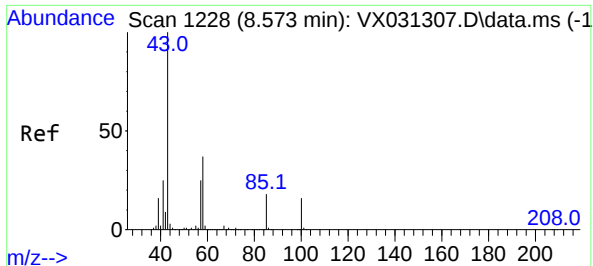
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 1010689.1 27.1 40.7#
58 4137.0 53.9 80.9#



#50
Toluene-d8
Concen: 40.176 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 98 Resp: 163270
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 19.557 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. -0.024 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

Instrument :

MSVOA_X

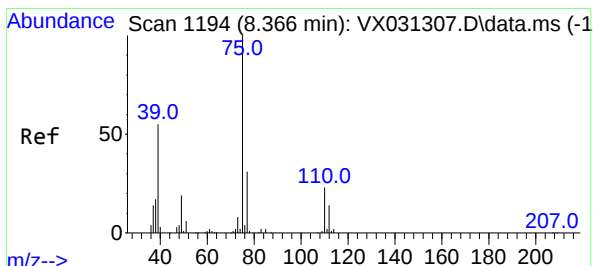
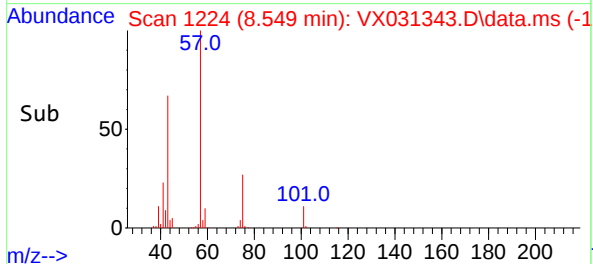
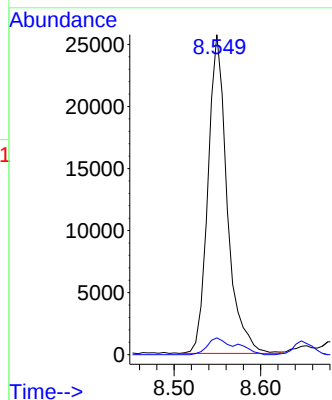
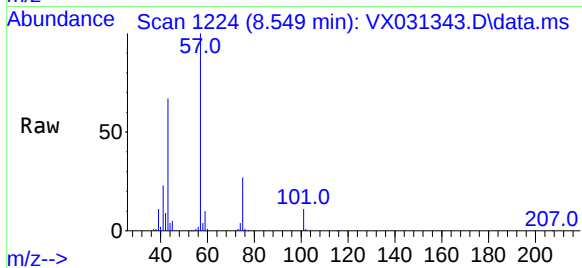
ClientSampleId :

Tgt Ion: 43 Resp: 39540

Ion Ratio Lower Upper

43 100

58 7.9 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.595 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031343.D

Acq: 15 Sep 2022 07:09

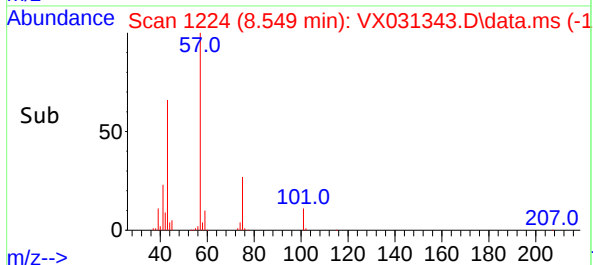
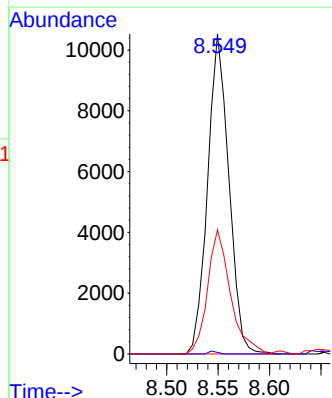
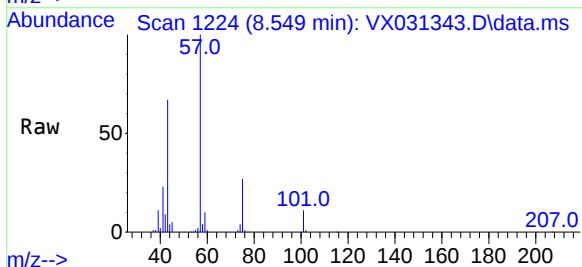
Tgt Ion: 75 Resp: 15103

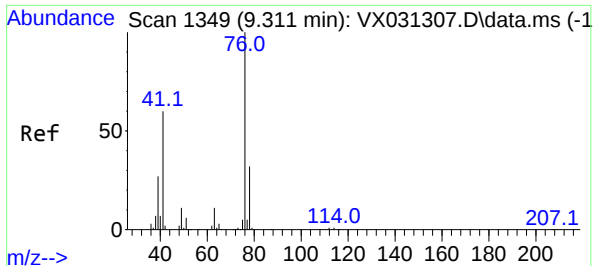
Ion Ratio Lower Upper

75 100

77 0.5 24.4 36.6#

39 38.8 43.7 65.5#

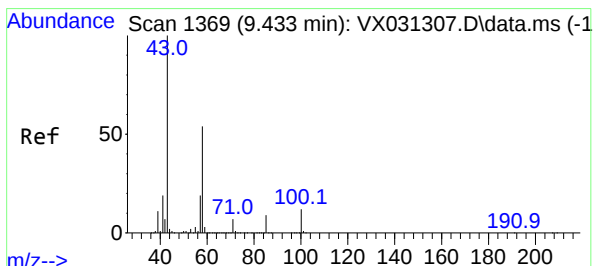
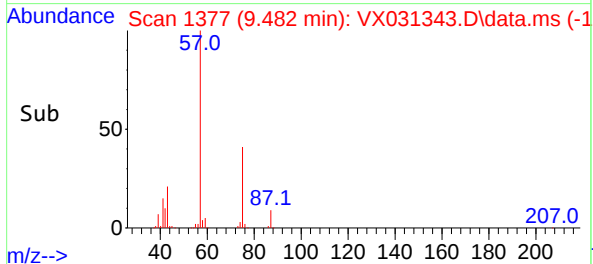
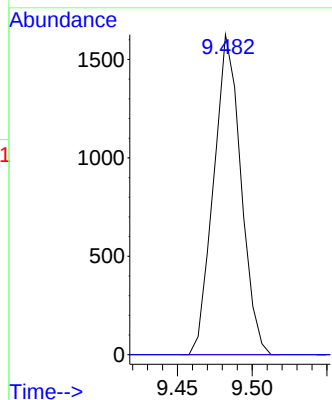
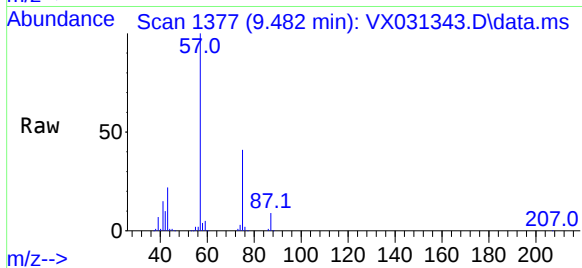




#57
1,3-Dichloropropane
Concen: 1.009 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

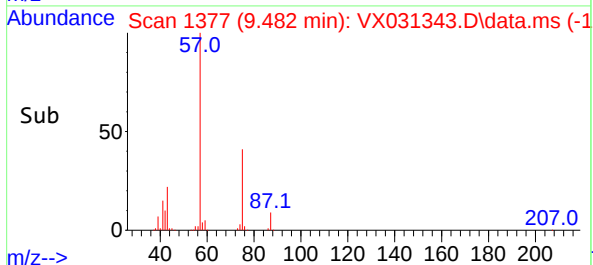
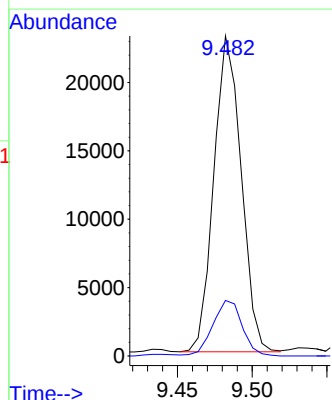
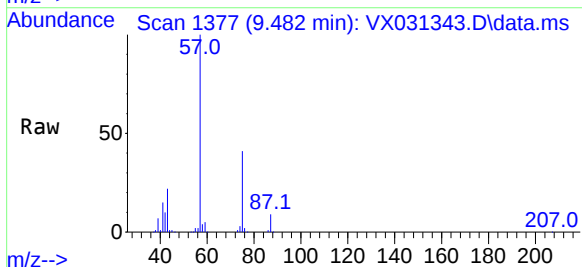
Instrument :
MSVOA_X
ClientSampleId :

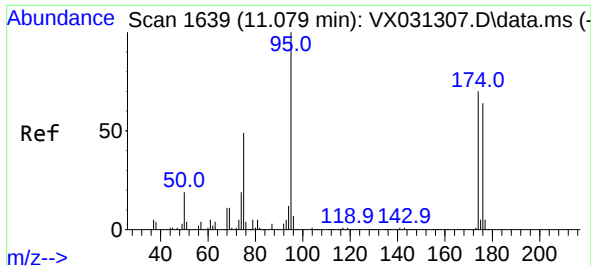
Tgt Ion: 76 Resp: 2062
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 18.999 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 43 Resp: 29318
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.0#

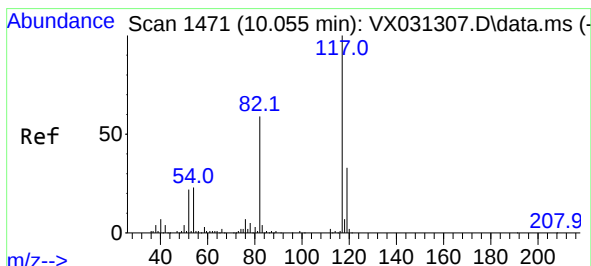
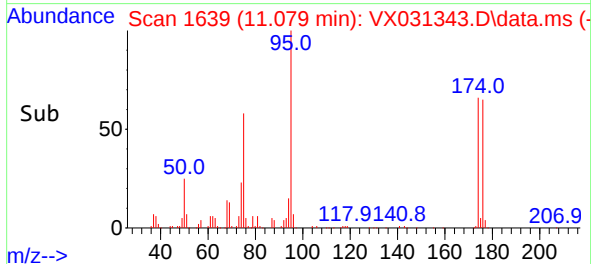
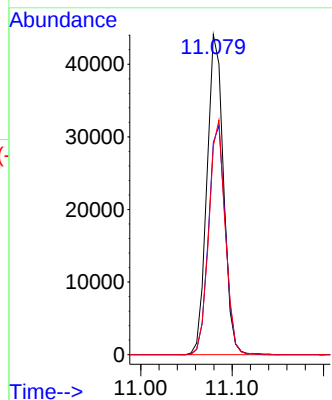
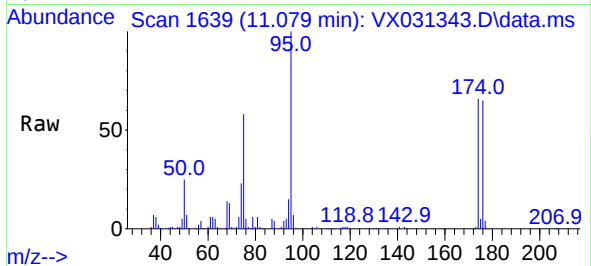




#62
4-Bromofluorobenzene
Concen: 37.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

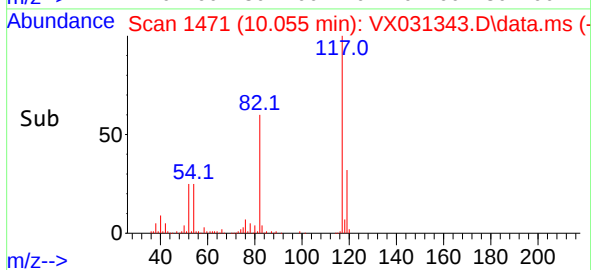
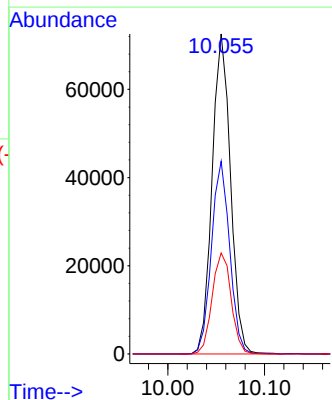
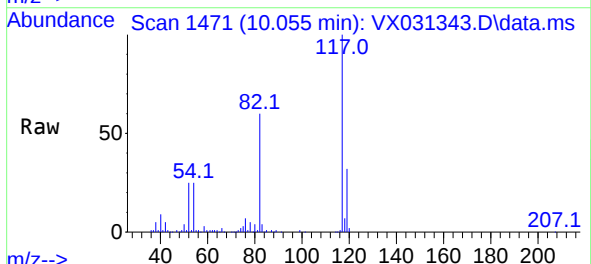
Instrument :
MSVOA_X
ClientSampleId :

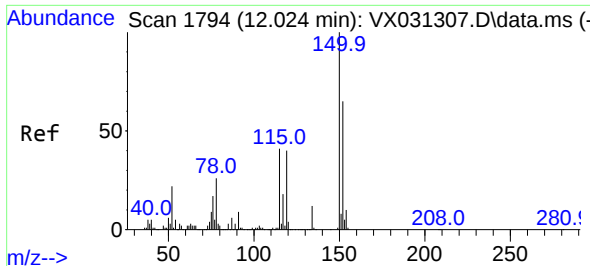
Tgt Ion: 95 Resp: 55321
Ion Ratio Lower Upper
95 100
174 72.7 0.0 153.2
176 72.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

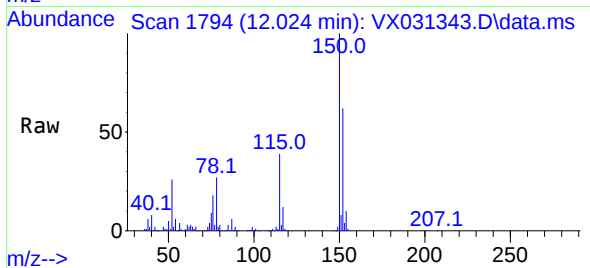
Tgt Ion: 117 Resp: 95706
Ion Ratio Lower Upper
117 100
82 60.2 46.8 70.2
119 31.5 26.4 39.6



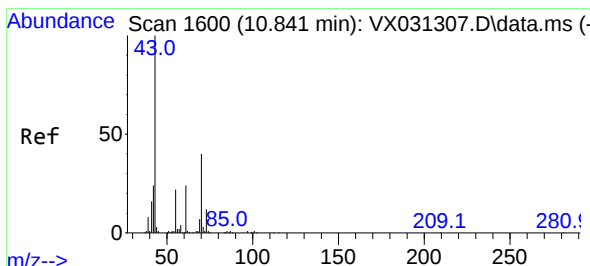
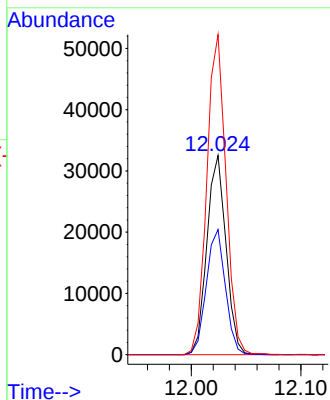
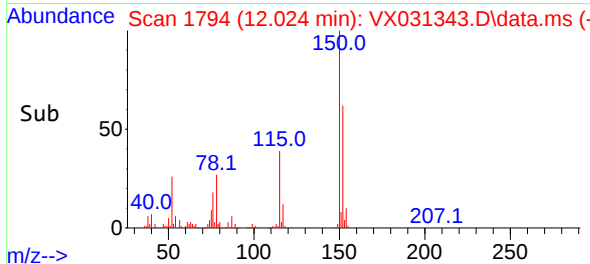


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

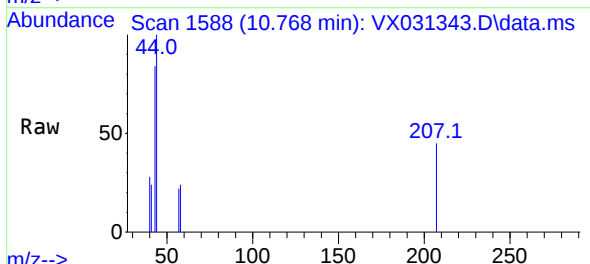
Instrument :
MSVOA_X
ClientSampleId :



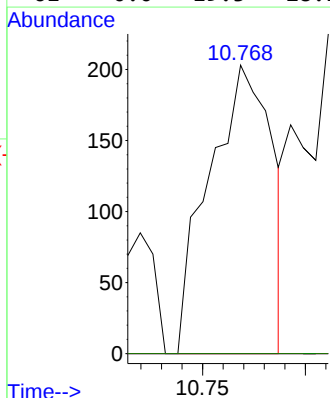
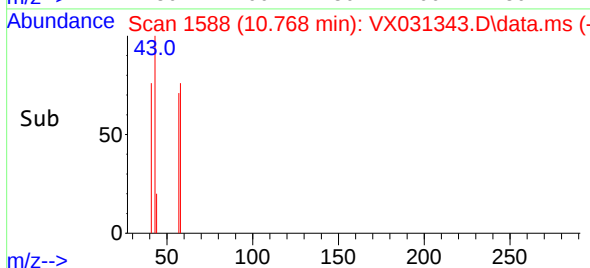
Tgt Ion:152 Resp: 39473
Ion Ratio Lower Upper
152 100
115 62.7 43.4 130.1
150 160.7 0.0 346.8

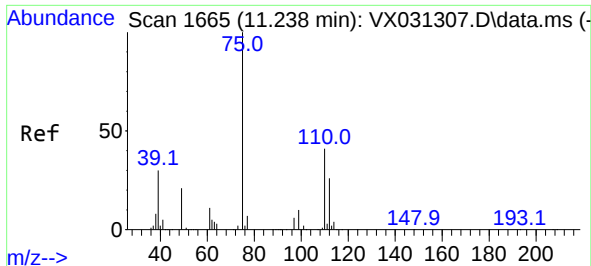


#74
N-ethyl acetate
Concen: 0.299 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.073 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09



Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

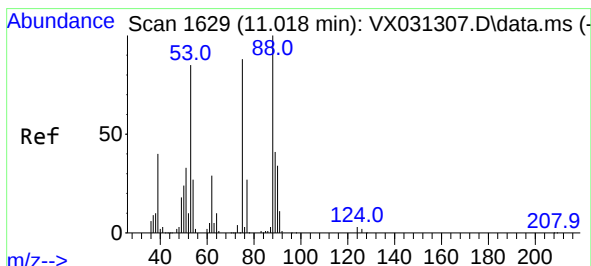
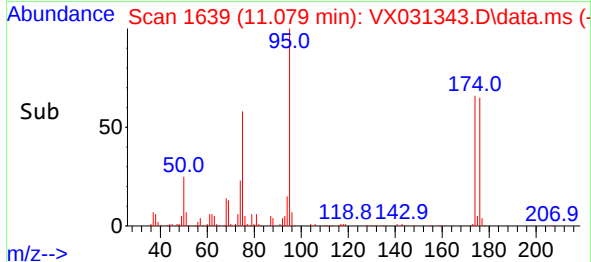
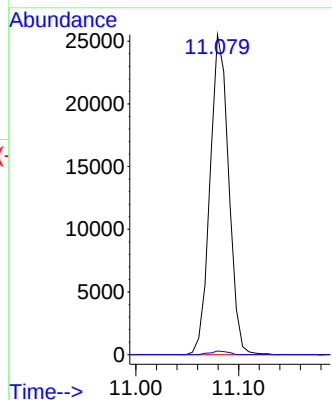
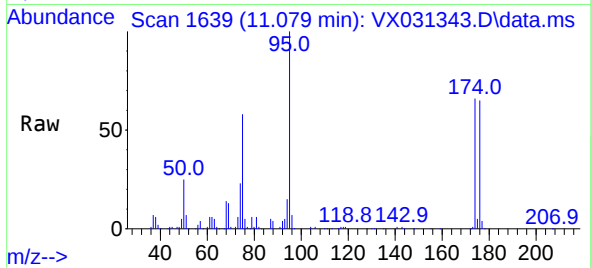




#76
1,2,3-Trichloropropane
Concen: 32.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 32184
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.526 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031343.D
Acq: 15 Sep 2022 07:09

Tgt Ion: 75 Resp: 32184
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

