

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031330.D
 Acq On : 15 Sep 2022 00:56
 Operator : JC/MD
 Sample : N4578-24
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:09:09 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)

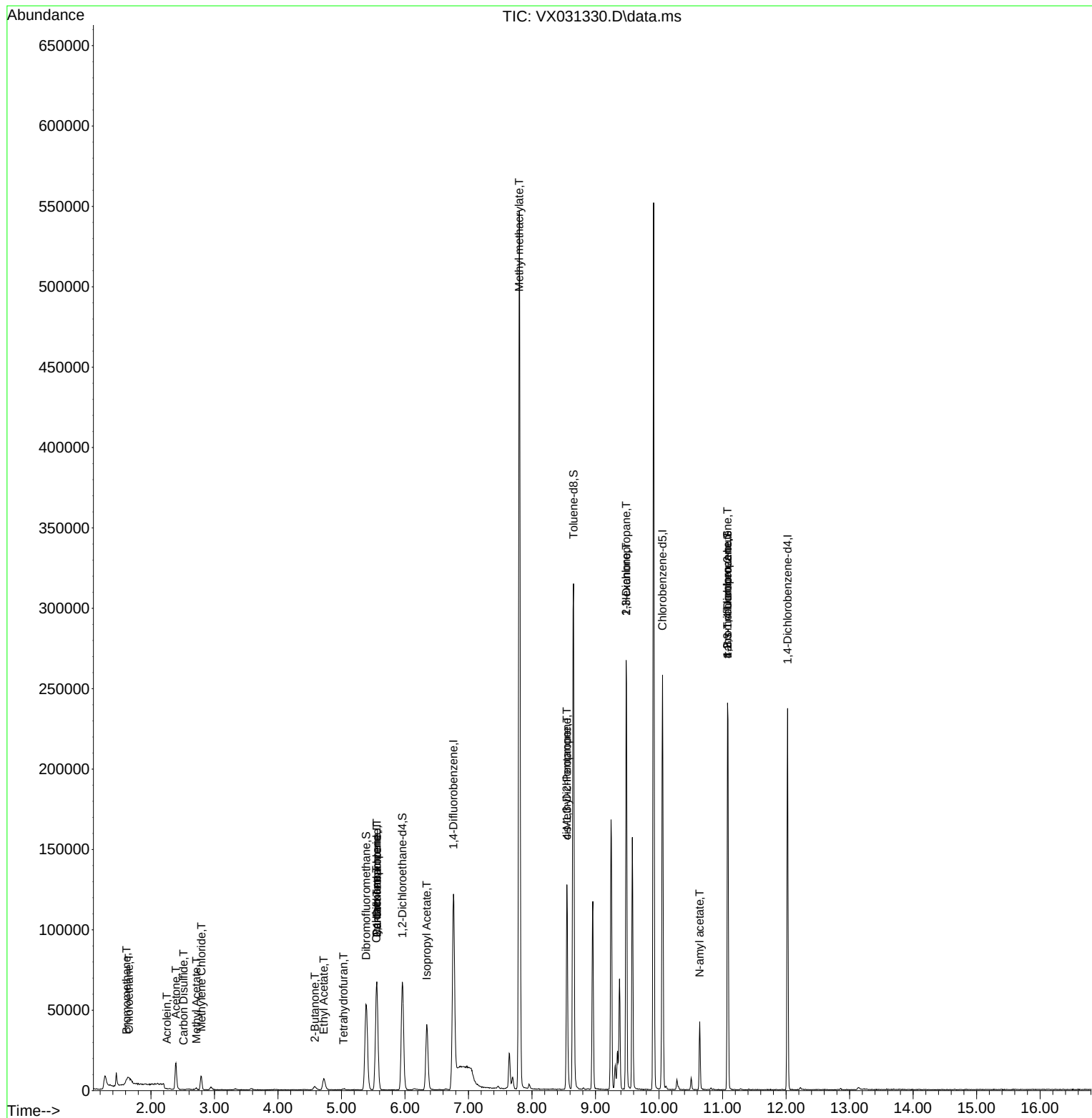
Internal Standards						
1) Pentafluorobenzene	5.556	168	57602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	106805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63494	44.908	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.820%
35) Dibromofluoromethane	5.385	113	46272	40.304	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	80.600%
50) Toluene-d8	8.653	98	179285	41.630	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	83.260%#
62) 4-Bromofluorobenzene	11.079	95	60295	38.233	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	76.460%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	481	Below Cal	#	41
5) Bromomethane	1.617	94	272	0.360	ug/l #	46
6) Chloroethane	1.654	64	266	0.355	ug/l #	43
11) Tert butyl alcohol	2.940	59	1104	Below Cal	#	73
13) Acrolein	2.251	56	63	0.386	ug/l #	1
16) Acetone	2.392	43	19105	31.653	ug/l	95
17) Carbon Disulfide	2.514	76	23	0.891	ug/l #	75
18) Methyl Acetate	2.715	43	1500	0.838	ug/l #	85
20) Methylene Chloride	2.794	84	3563	1.445	ug/l	91
21) trans-1,2-Dichloroethene	3.166	96	27	Below Cal	#	1
25) 2-Butanone	4.580	43	3706	3.722	ug/l	94
29) Tetrahydrofuran	5.031	42	369	0.598	ug/l #	58
31) Cyclohexane	5.550	56	1783	1.174	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	5794	3.687	ug/l #	50
37) Ethyl Acetate	4.721	43	12740	6.169	ug/l	99
38) Carbon Tetrachloride	5.556	117	6431	3.765	ug/l #	13
43) Isopropyl Acetate	6.342	43	56923	16.149	ug/l	98
48) Methyl methacrylate	7.799	41	48105	29.979	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	44485	20.762	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	18201	8.637	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2035	0.940	ug/l #	43
59) 2-Hexanone	9.482	43	32917	20.129	ug/l #	50
74) N-amyl acetate	10.640	43	10873	7.204	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	35798	34.560	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35798	95.628	ug/l #	11

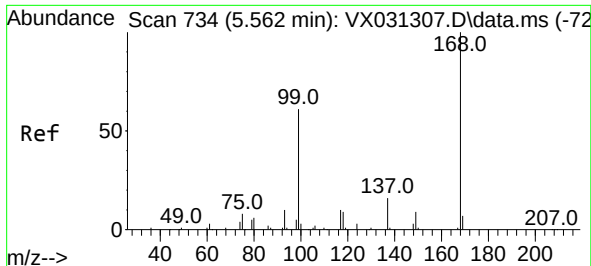
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX031330.D

Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

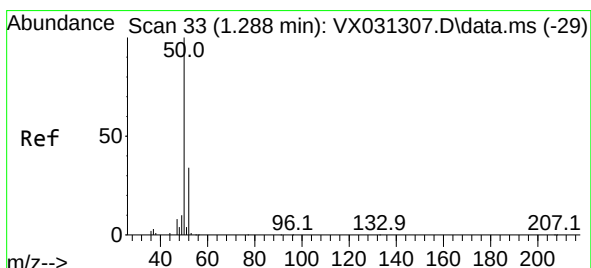
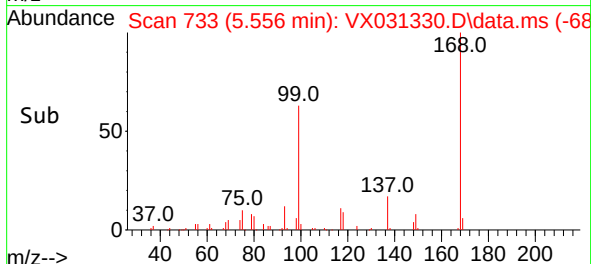
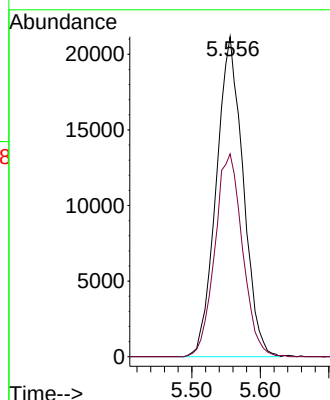
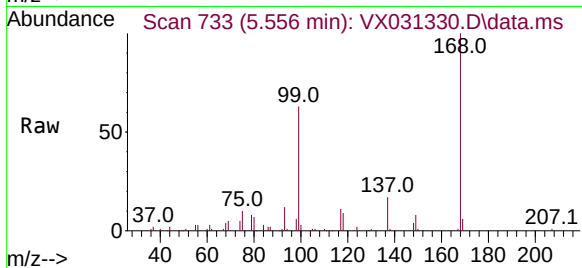
ClientSampleId :

Tgt Ion:168 Resp: 57602

Ion Ratio Lower Upper

168 100

99 63.4 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 33

Delta R.T. 0.000 min

Lab File: VX031330.D

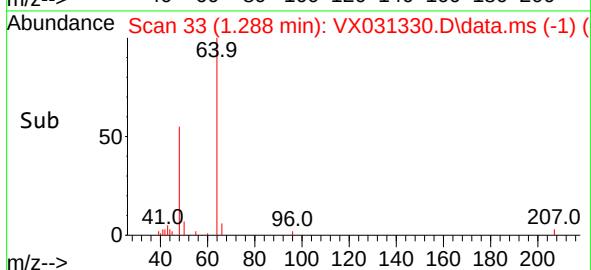
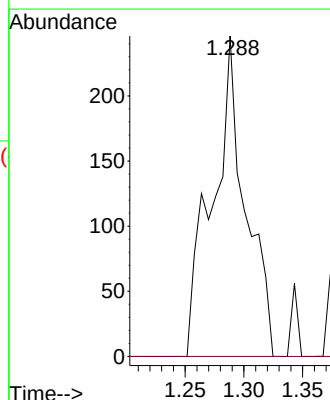
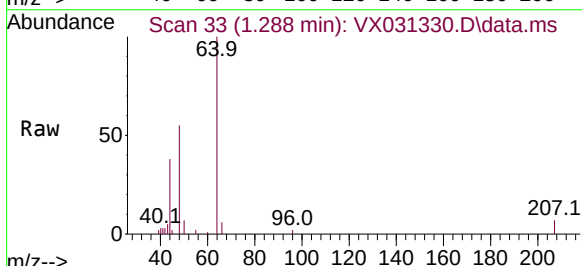
Acq: 15 Sep 2022 00:56

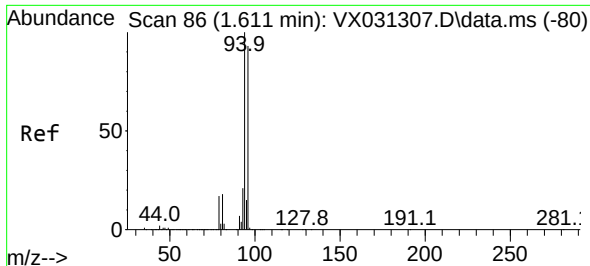
Tgt Ion: 50 Resp: 481

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

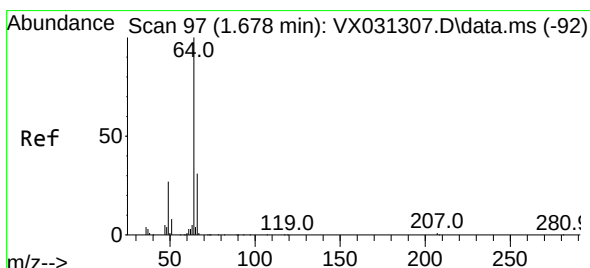
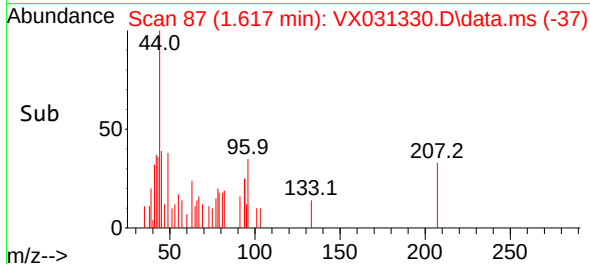
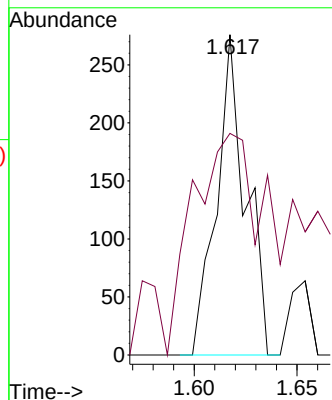
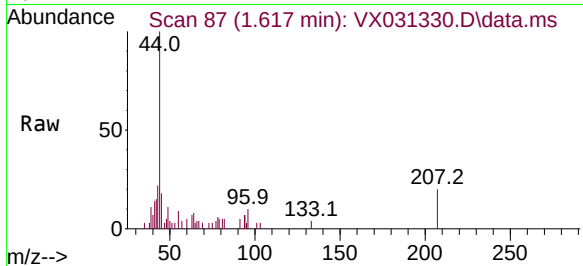




#5
Bromomethane
Concen: 0.360 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

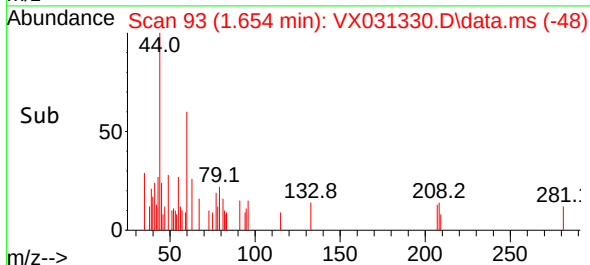
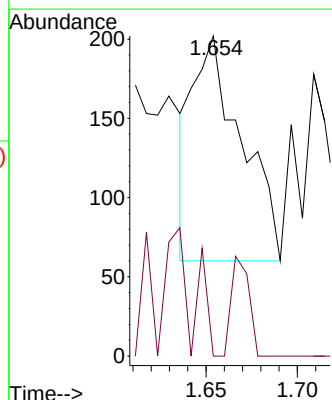
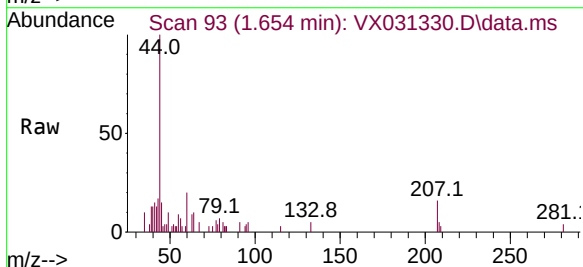
Instrument :
MSVOA_X
ClientSampleId :

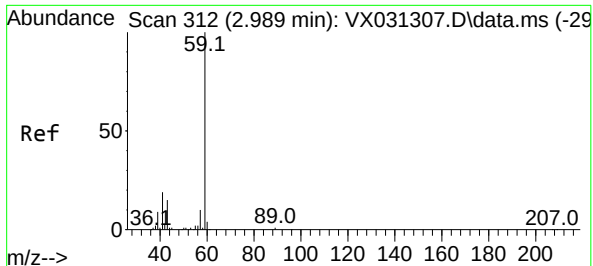
Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 40.9 74.4 111.6#



#6
Chloroethane
Concen: 0.355 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Tgt Ion: 64 Resp: 266
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

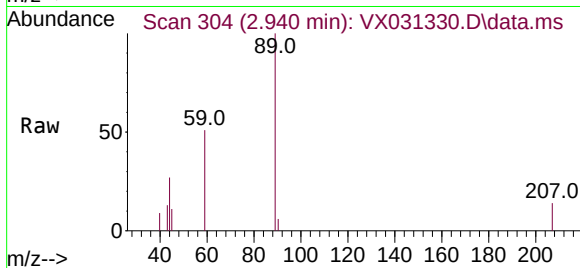
Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

ClientSampleId :

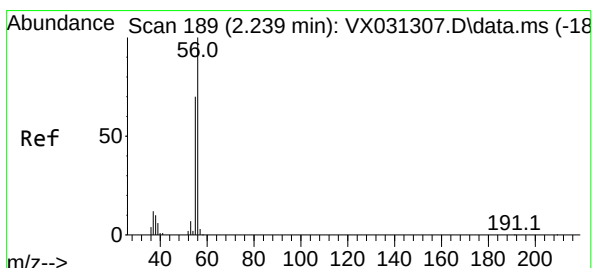
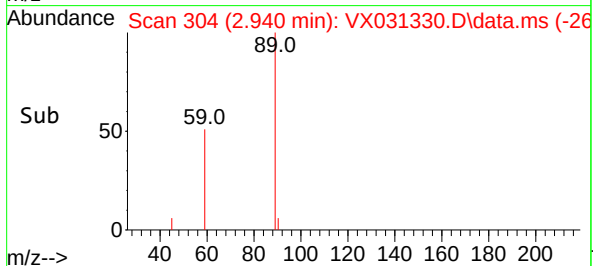
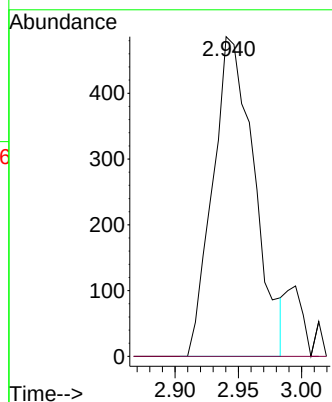


Tgt Ion: 59 Resp: 1104

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.386 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX031330.D

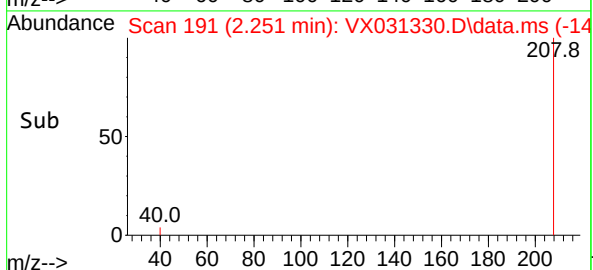
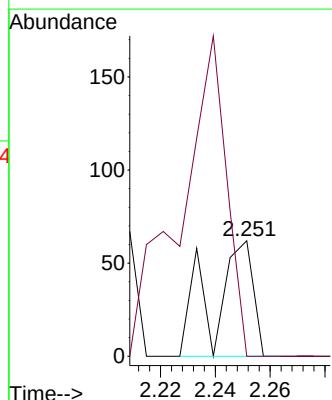
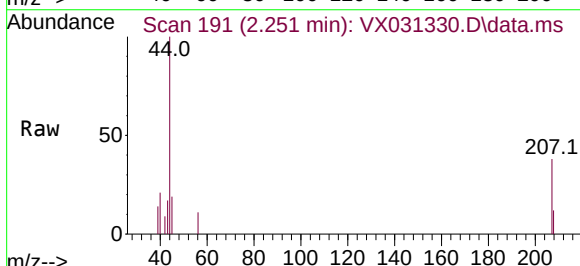
Acq: 15 Sep 2022 00:56

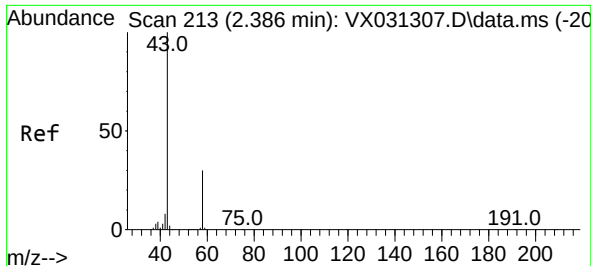
Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 285.7 56.0 84.0#

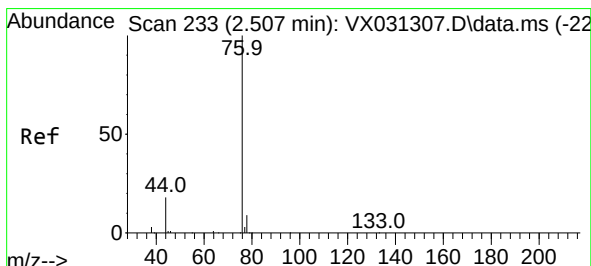
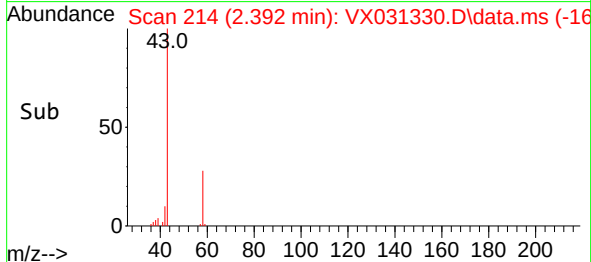
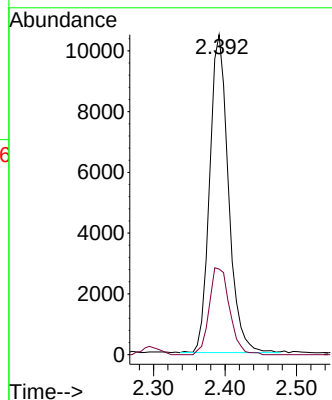
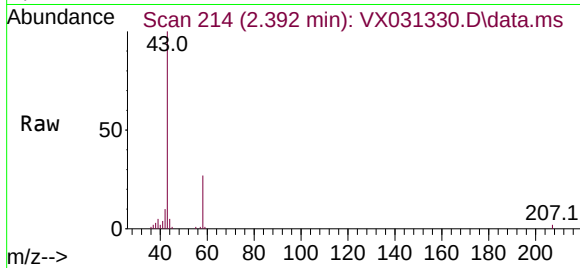




#16
Acetone
Concen: 31.653 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

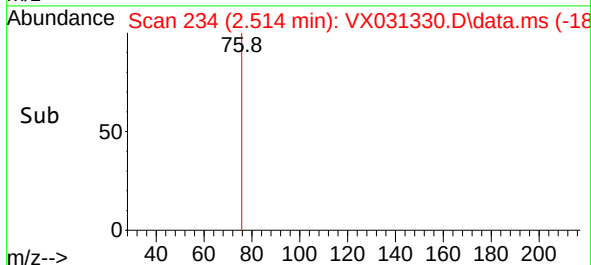
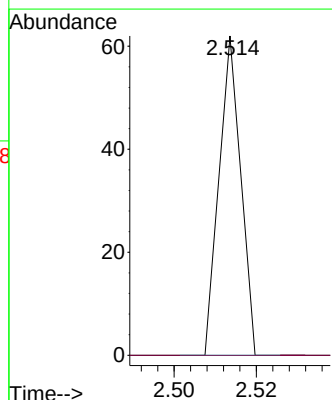
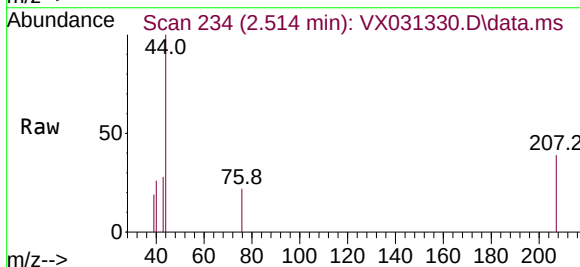
Instrument :
MSVOA_X
ClientSampleId :

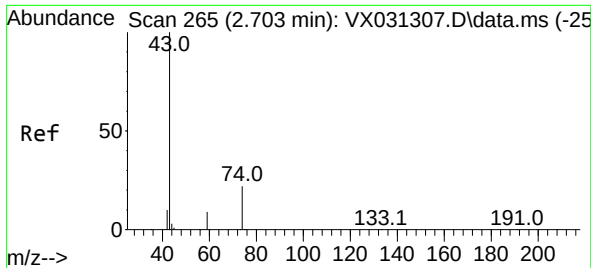
Tgt Ion: 43 Resp: 19105
Ion Ratio Lower Upper
43 100
58 26.9 23.8 35.8



#17
Carbon Disulfide
Concen: 0.891 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Tgt Ion: 76 Resp: 23
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

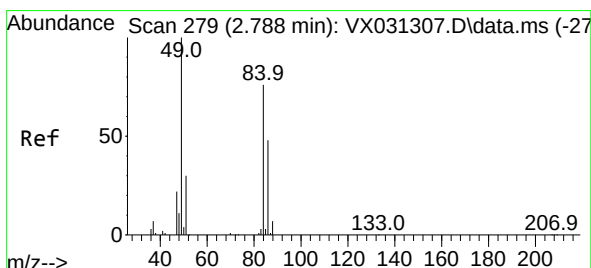
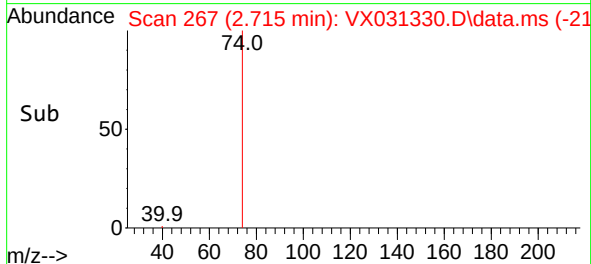
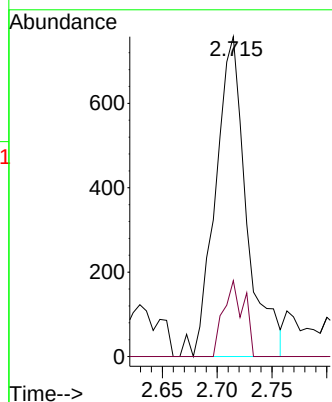
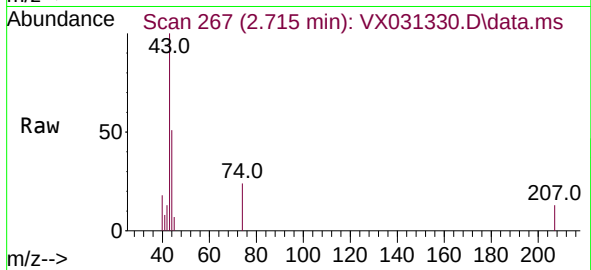




#18
Methyl Acetate
Concen: 0.838 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

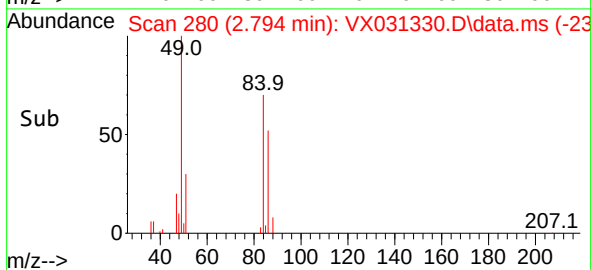
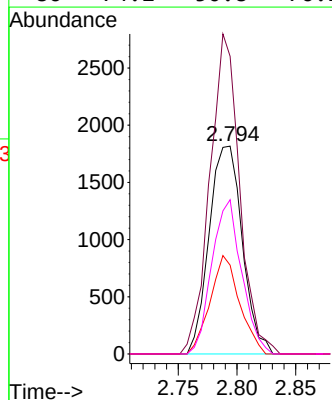
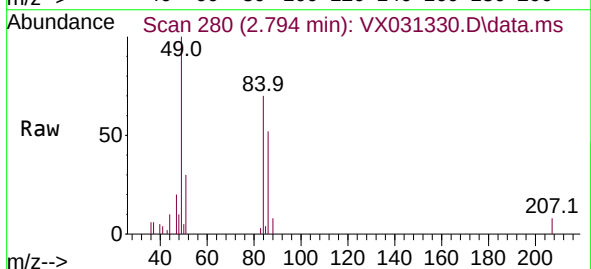
Instrument :
MSVOA_X
ClientSampleId :

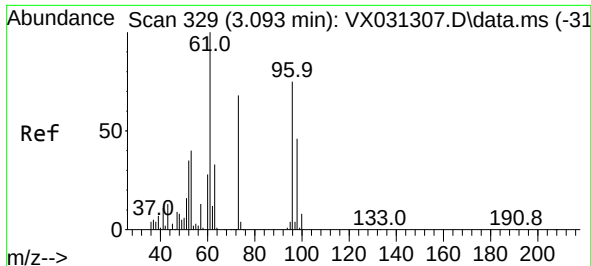
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
74 15.7 18.6 27.8#



#20
Methylene Chloride
Concen: 1.445 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

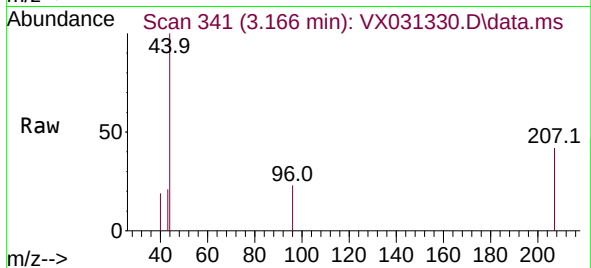
Tgt Ion: 84 Resp: 3563
Ion Ratio Lower Upper
84 100
49 143.1 105.9 158.9
51 42.7 32.2 48.2
86 74.2 50.8 76.2



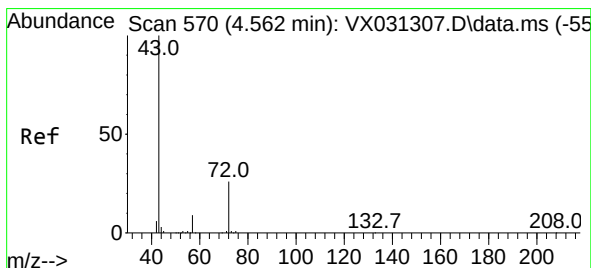
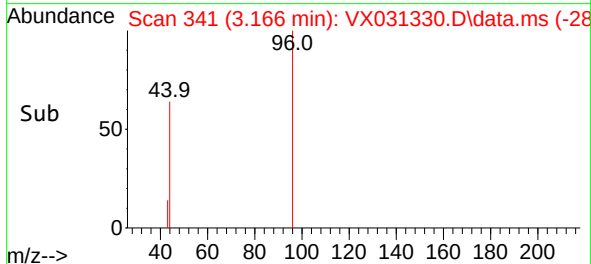
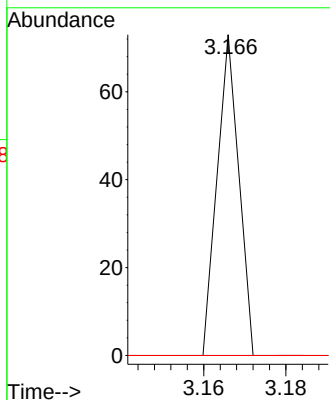


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.166 min Scan# 341
Delta R.T. 0.073 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Instrument :
MSVOA_X
ClientSampleId :

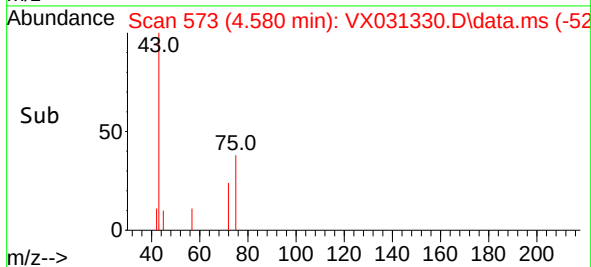
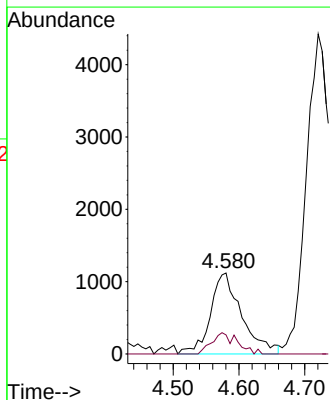
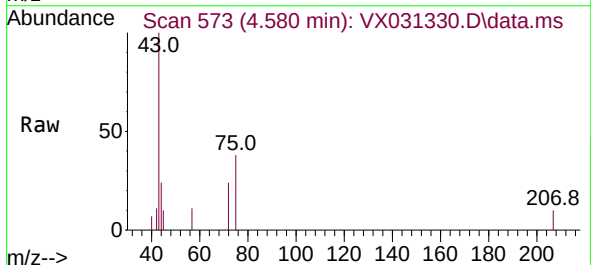


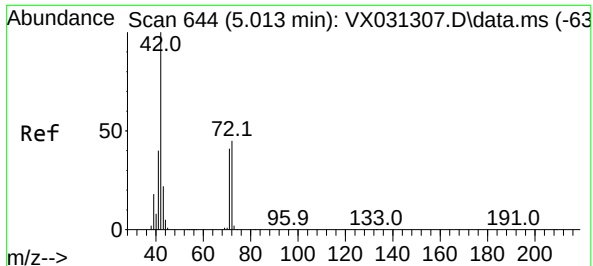
Tgt Ion: 96 Resp: 27
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 3.722 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Tgt Ion: 43 Resp: 3706
Ion Ratio Lower Upper
43 100
72 23.5 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.598 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

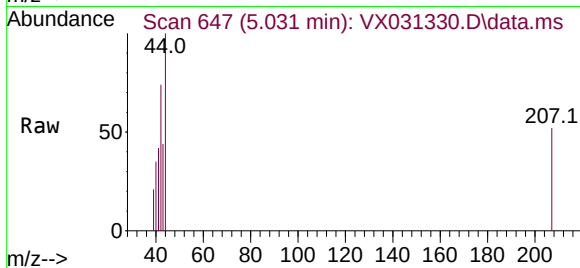
Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

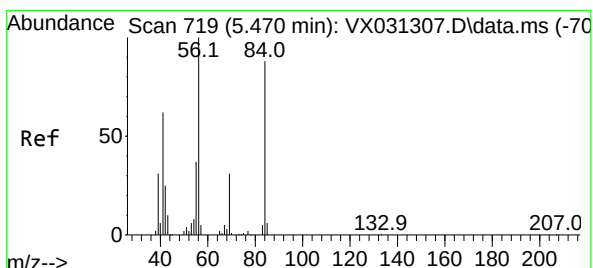
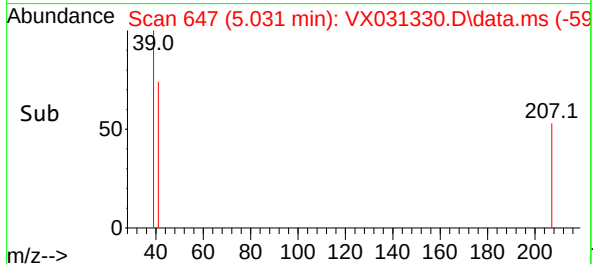
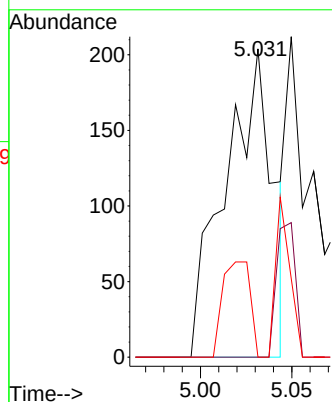
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	369
Ion Ratio	Lower	Upper	
42	100		
72	17.3	36.4	54.6#
71	15.7	33.5	50.3#



#31

Cyclohexane

Concen: 1.174 ug/l

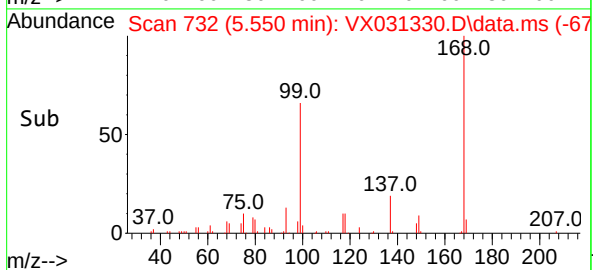
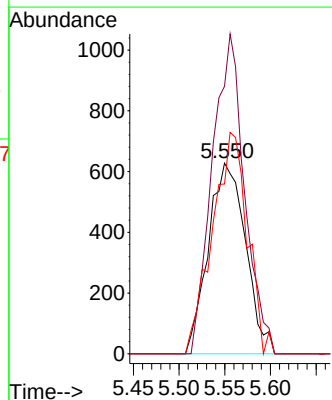
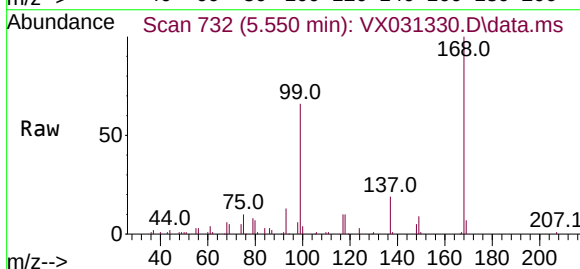
RT: 5.550 min Scan# 732

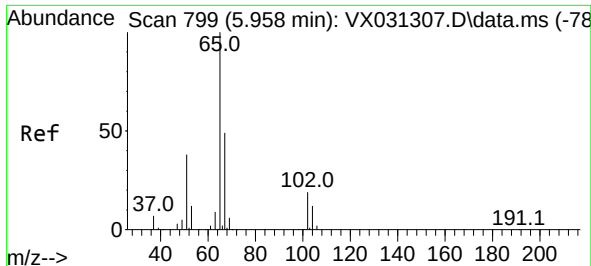
Delta R.T. 0.079 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Tgt Ion:	56	Resp:	1783
Ion Ratio	Lower	Upper	
56	100		
69	140.3	25.1	37.7#
84	89.0	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 44.908 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

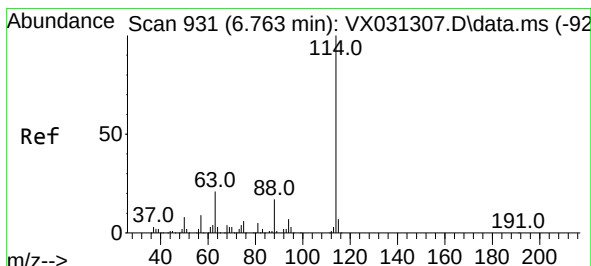
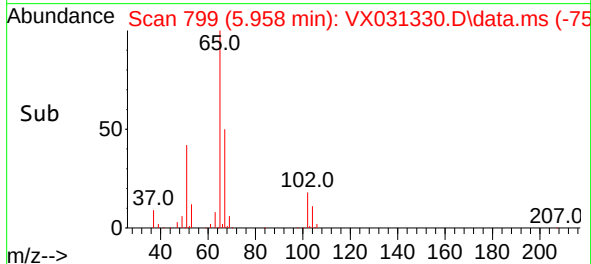
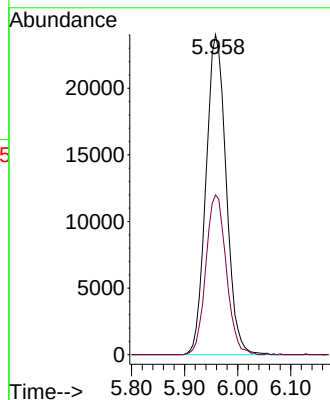
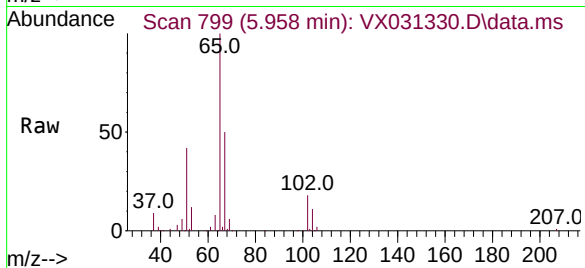
ClientSampleId :

Tgt Ion: 65 Resp: 63494

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: VX031330.D

Acq: 15 Sep 2022 00:56

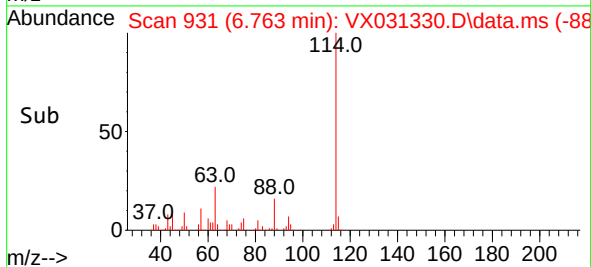
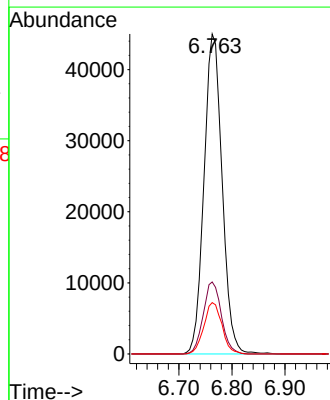
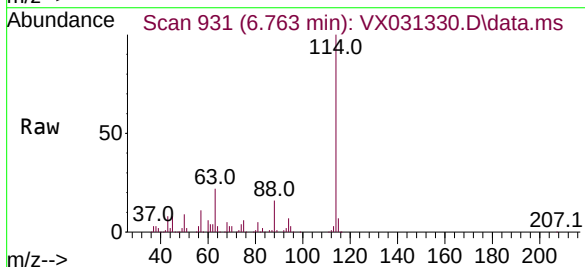
Tgt Ion: 114 Resp: 106805

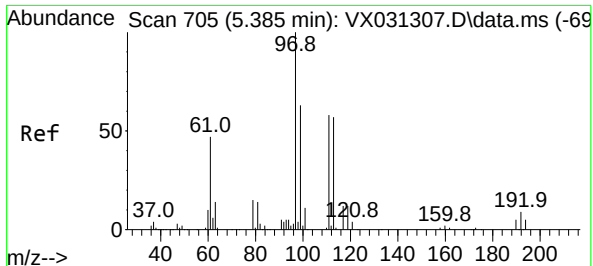
Ion Ratio Lower Upper

114 100

63 22.5 0.0 42.6

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 40.304 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031330.D

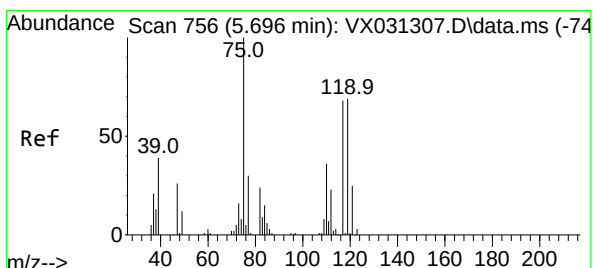
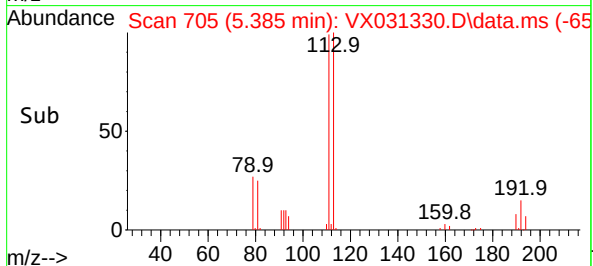
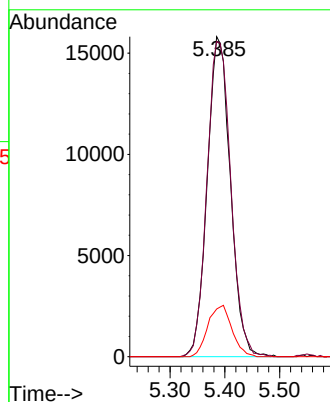
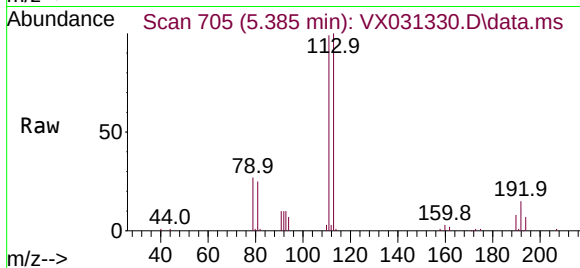
Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	113	Resp:	46272
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	16.7	14.1	21.1



#36

1,1-Dichloropropene

Concen: 3.687 ug/l

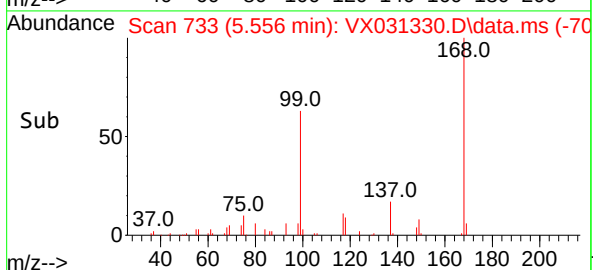
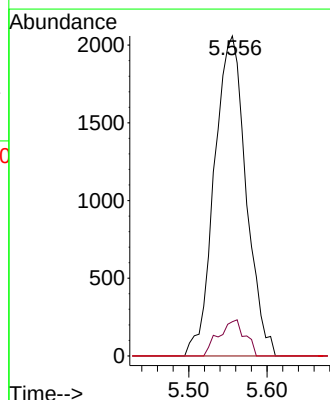
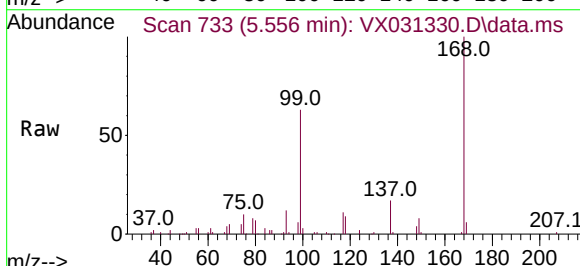
RT: 5.556 min Scan# 733

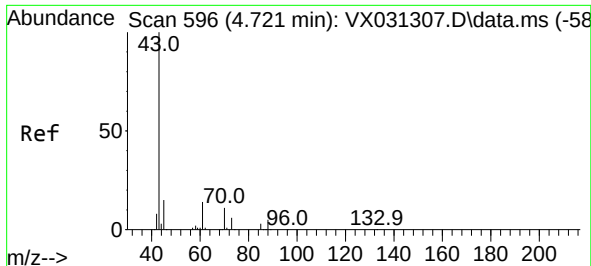
Delta R.T. -0.140 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Tgt Ion:	75	Resp:	5794
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.5	52.5#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 6.169 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

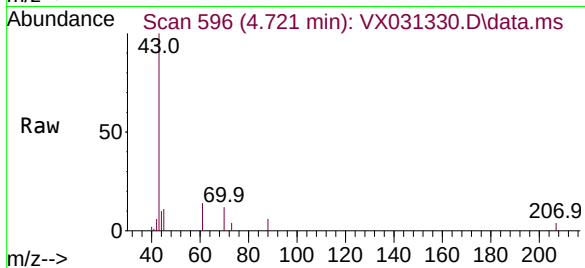
Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

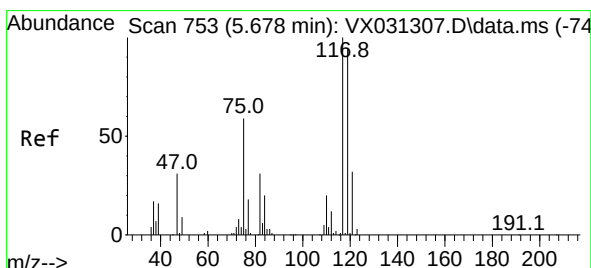
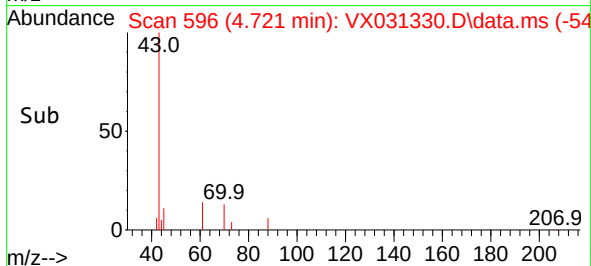
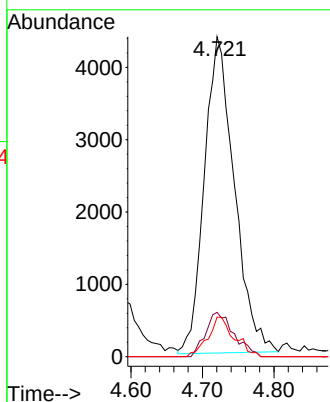
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	12740
Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.1	16.7
70	11.0	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.765 ug/l

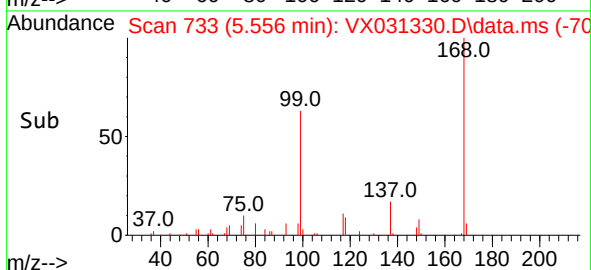
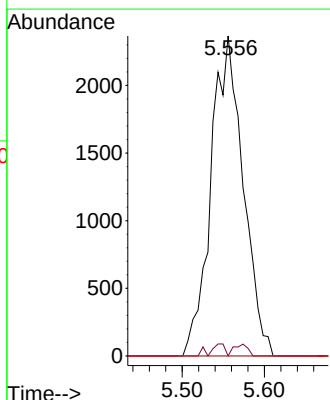
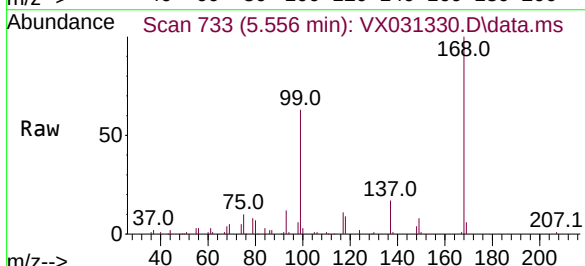
RT: 5.556 min Scan# 733

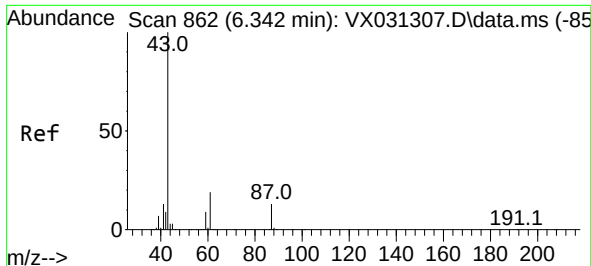
Delta R.T. -0.122 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Tgt Ion:	117	Resp:	6431
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.6	112.0#
121	0.0	25.3	37.9#

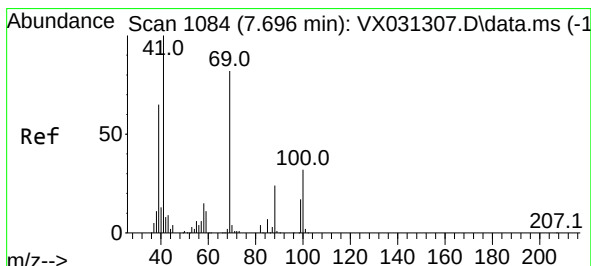
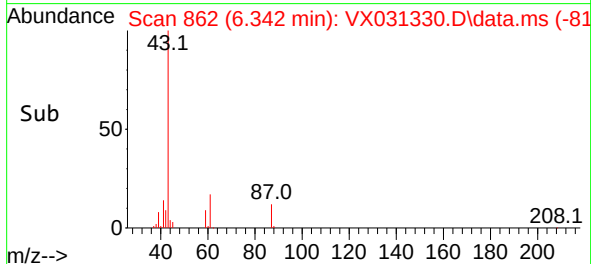
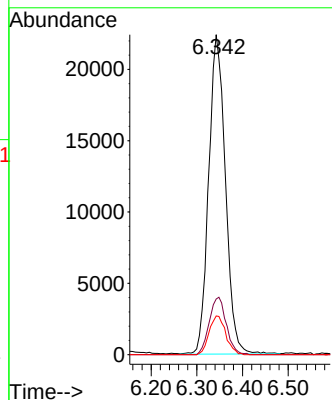
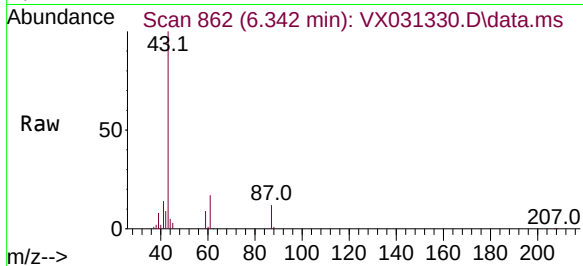




#43
Isopropyl Acetate
Concen: 16.149 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

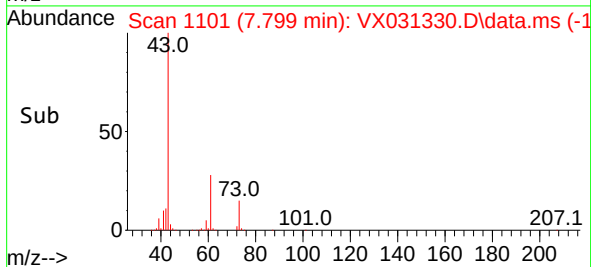
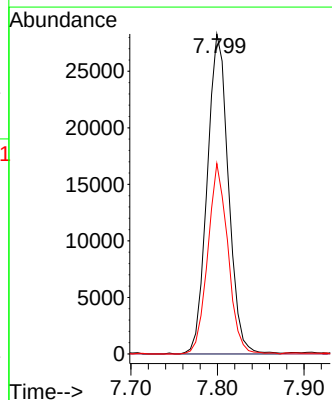
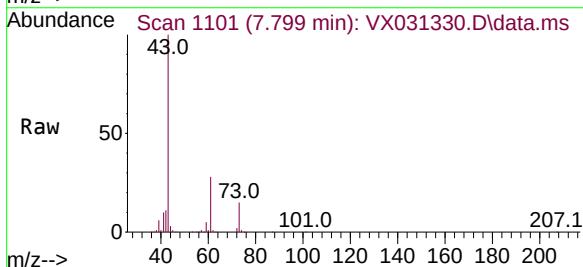
Instrument :
MSVOA_X
ClientSampleId :

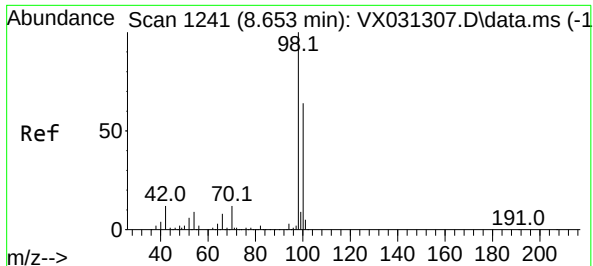
Tgt Ion: 43 Resp: 56923
Ion Ratio Lower Upper
43 100
61 18.3 15.3 22.9
87 12.0 10.6 15.8



#48
Methyl methacrylate
Concen: 29.979 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Tgt Ion: 41 Resp: 48105
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 56.6 51.4 77.0

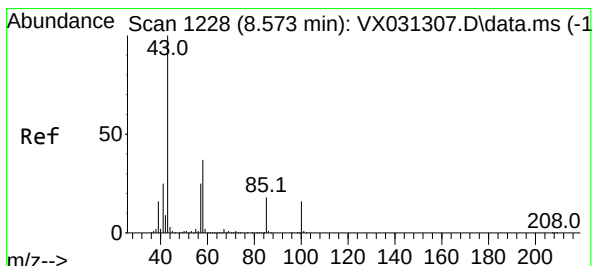
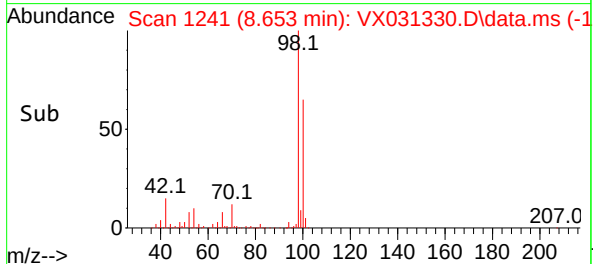
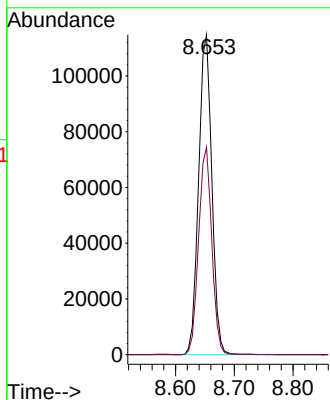
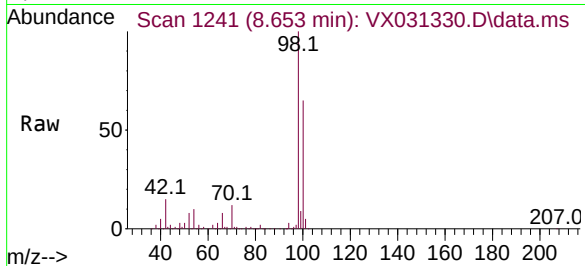




#50
Toluene-d8
Concen: 41.630 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

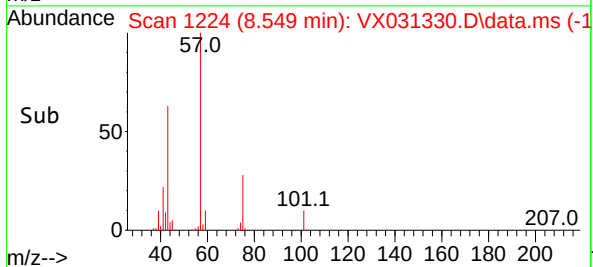
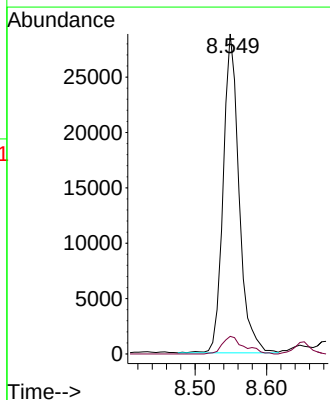
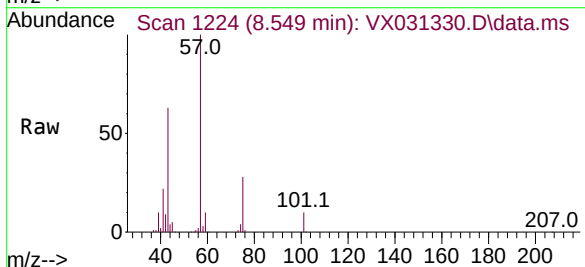
Instrument :
MSVOA_X
ClientSampleId :

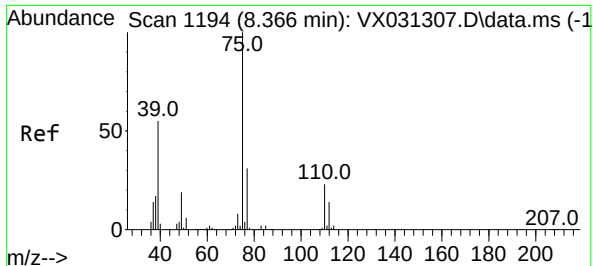
Tgt Ion: 98 Resp: 179285
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 20.762 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Tgt Ion: 43 Resp: 44485
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#

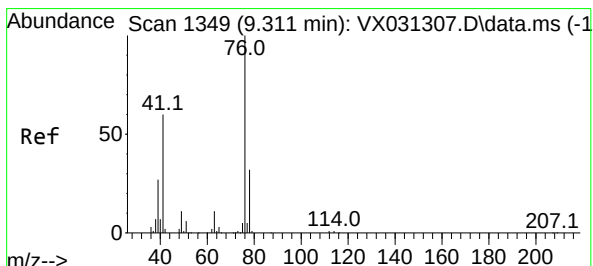
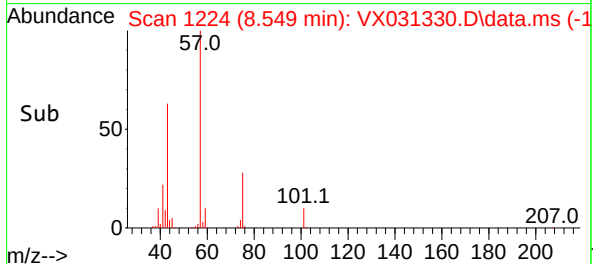
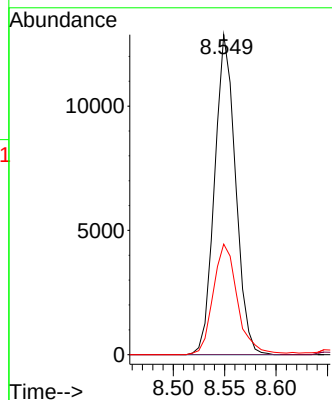
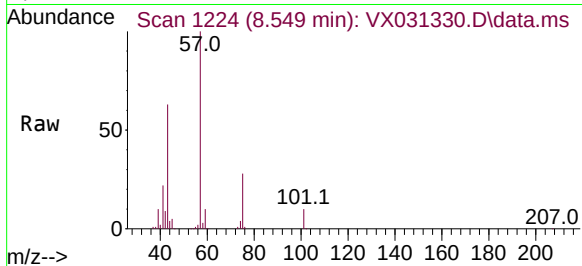




#54
 cis-1,3-Dichloropropene
 Concen: 8.637 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031330.D
 Acq: 15 Sep 2022 00:56

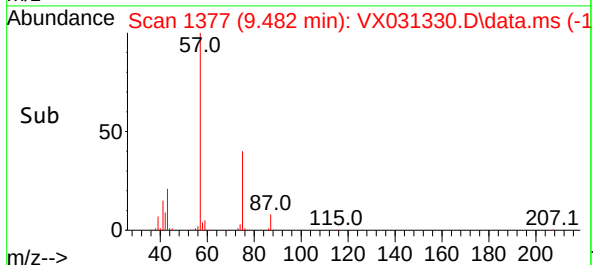
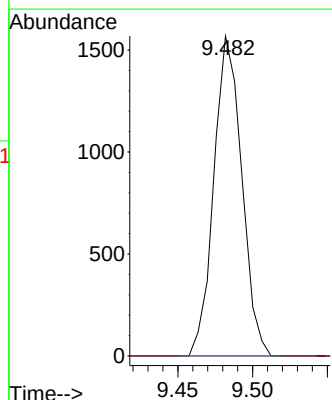
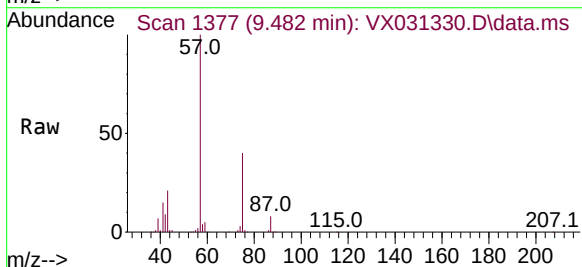
Instrument :
 MSVOA_X
 ClientSampleId :

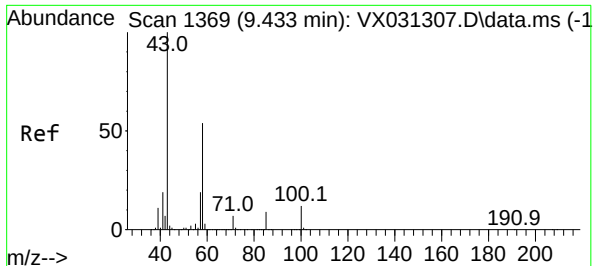
Tgt Ion: 75 Resp: 18201
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 34.6 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 0.940 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031330.D
 Acq: 15 Sep 2022 00:56

Tgt Ion: 76 Resp: 2035
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 20.129 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

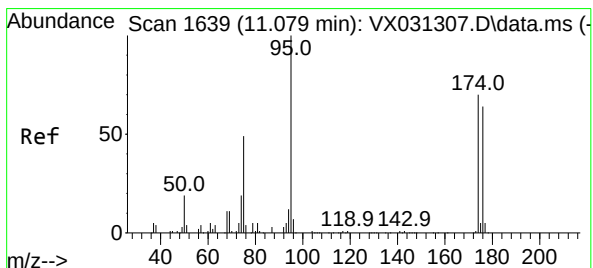
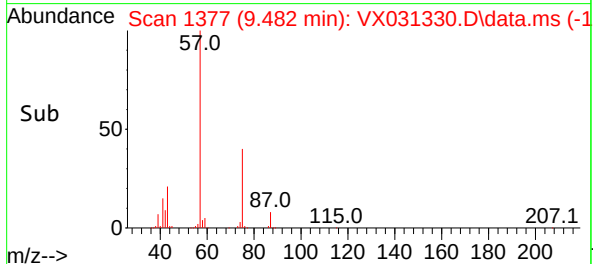
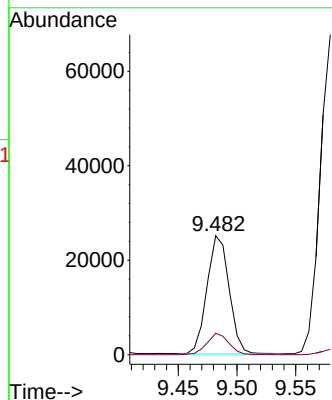
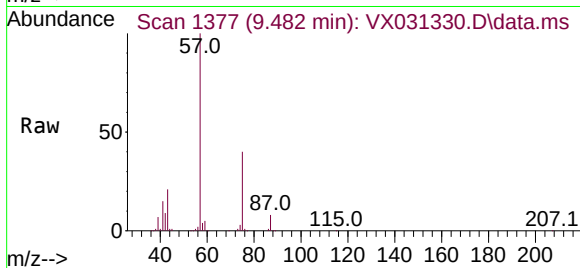
ClientSampleId :

Tgt Ion: 43 Resp: 32917

Ion Ratio Lower Upper

43 100

58 17.9 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 38.233 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

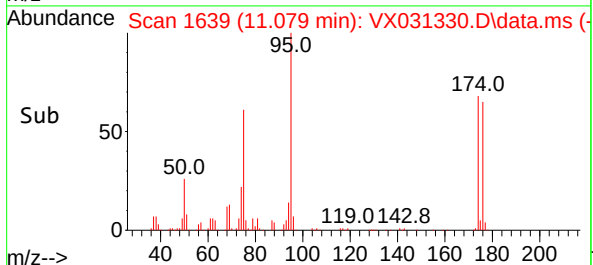
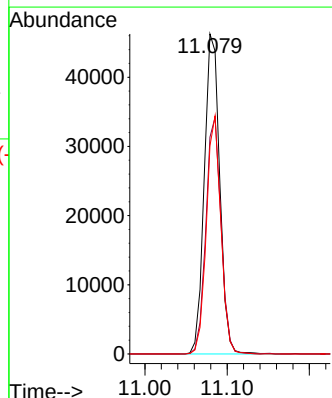
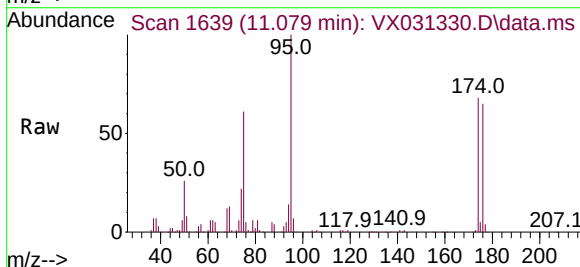
Tgt Ion: 95 Resp: 60295

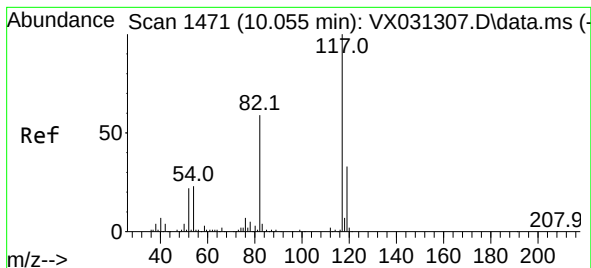
Ion Ratio Lower Upper

95 100

174 72.5 0.0 153.2

176 69.7 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: VX031330.D

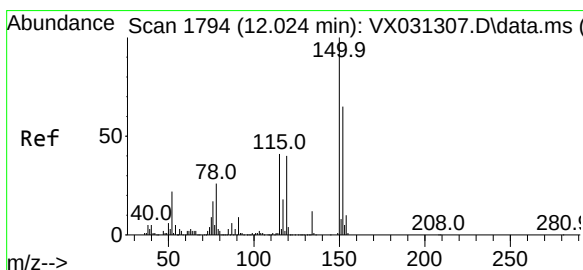
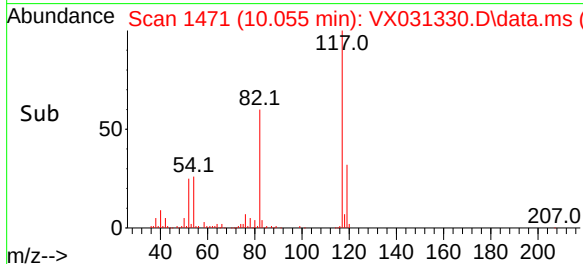
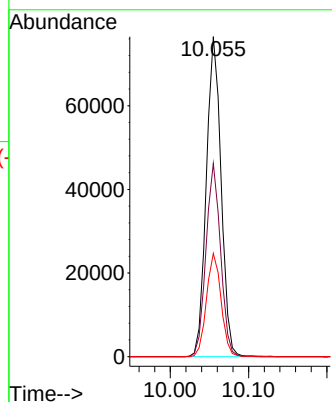
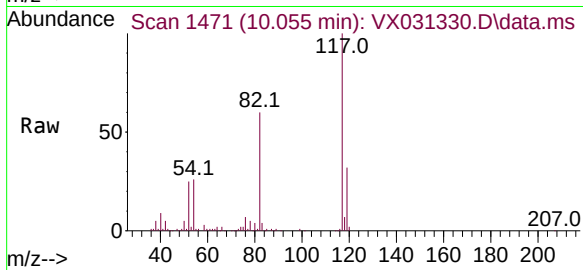
Acq: 15 Sep 2022 00:56

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:117	Resp:	99983
Ion Ratio	Lower	Upper
117	100	
82	60.4	46.8 70.2
119	32.3	26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

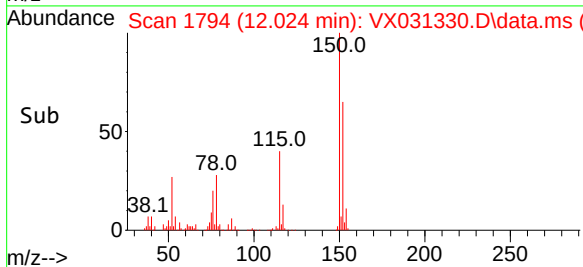
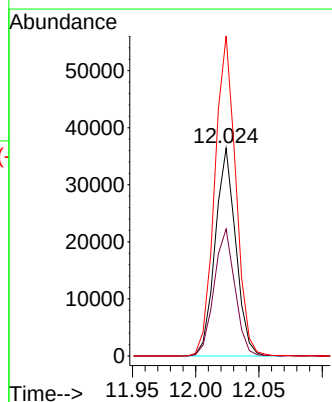
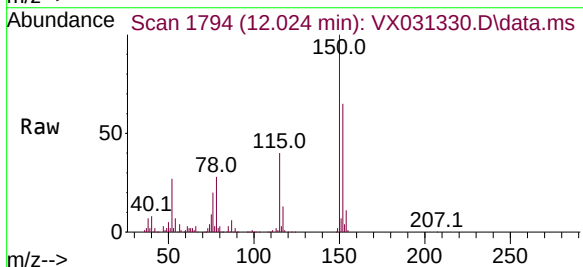
RT: 12.024 min Scan# 1794

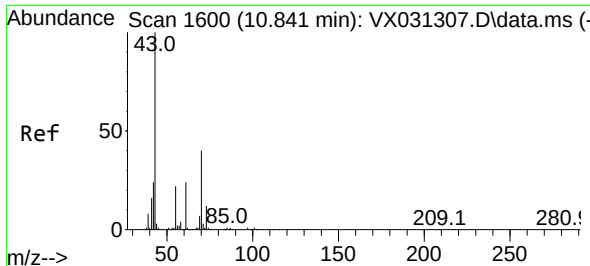
Delta R.T. 0.000 min

Lab File: VX031330.D

Acq: 15 Sep 2022 00:56

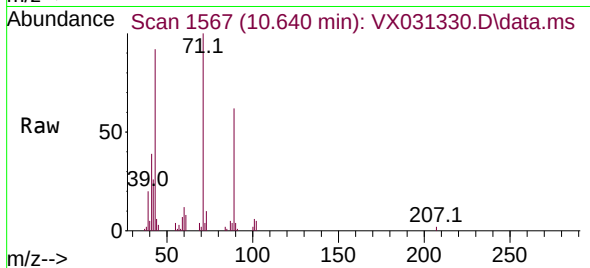
Tgt Ion:152	Resp:	41104
Ion Ratio	Lower	Upper
152	100	
115	62.0	43.4 130.1
150	157.3	0.0 346.8



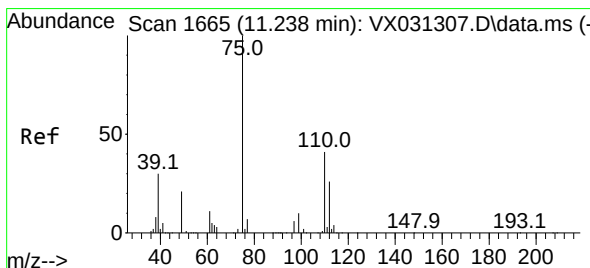
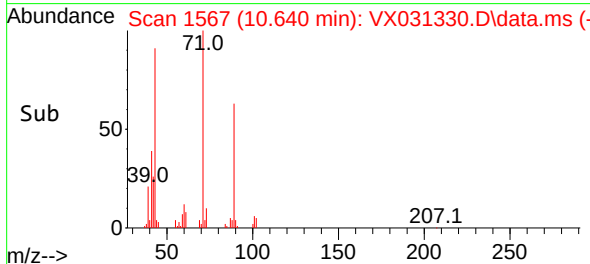
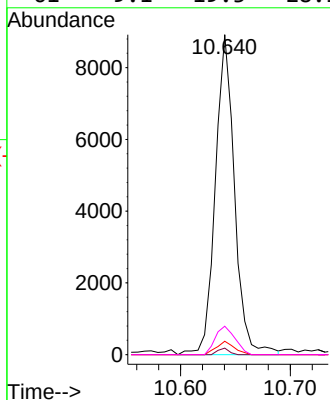


#74
N-amy1 acetate
Concen: 7.204 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

Instrument :
MSVOA_X
ClientSampleId :

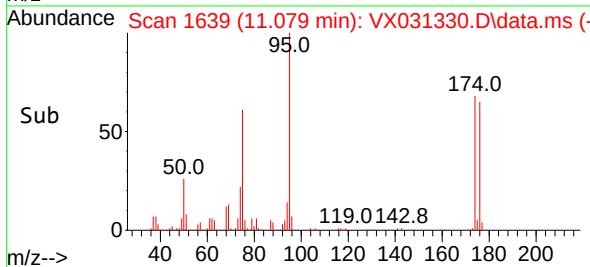
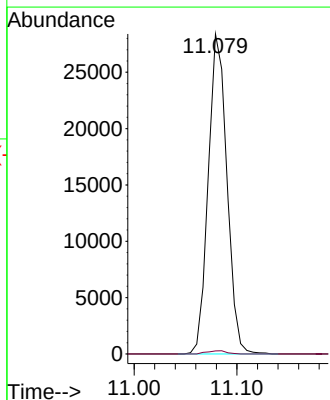
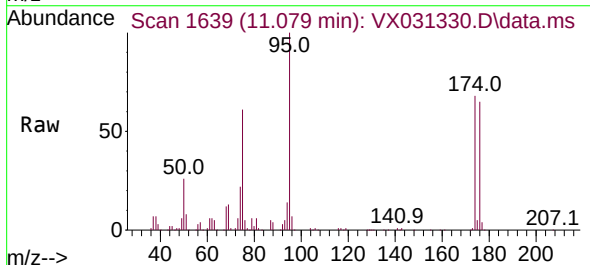


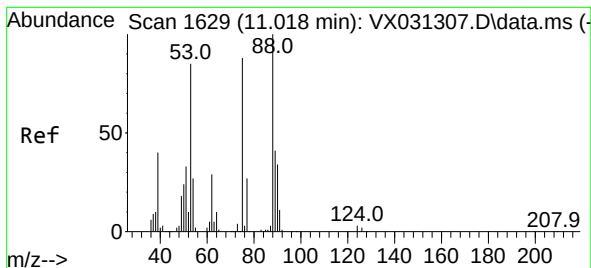
Tgt Ion: 43	Resp: 10873
Ion Ratio	Lower Upper
43	100
70	1.2 33.4 50.2#
55	3.9 18.2 27.2#
61	9.1 19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 34.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031330.D
Acq: 15 Sep 2022 00:56

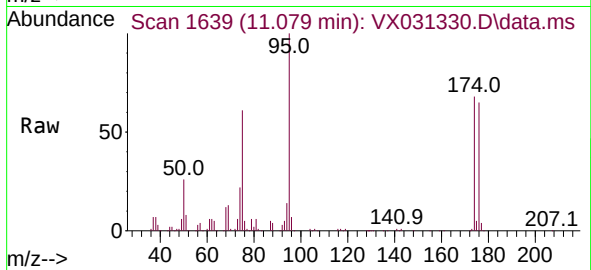
Tgt Ion: 75	Resp: 35798
Ion Ratio	Lower Upper
75	100
77	1.0 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.628 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031330.D
 Acq: 15 Sep 2022 00:56

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 35798
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

