

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031331.D
 Acq On : 15 Sep 2022 01:19
 Operator : JC/MD
 Sample : N4578-28
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:09:30 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)

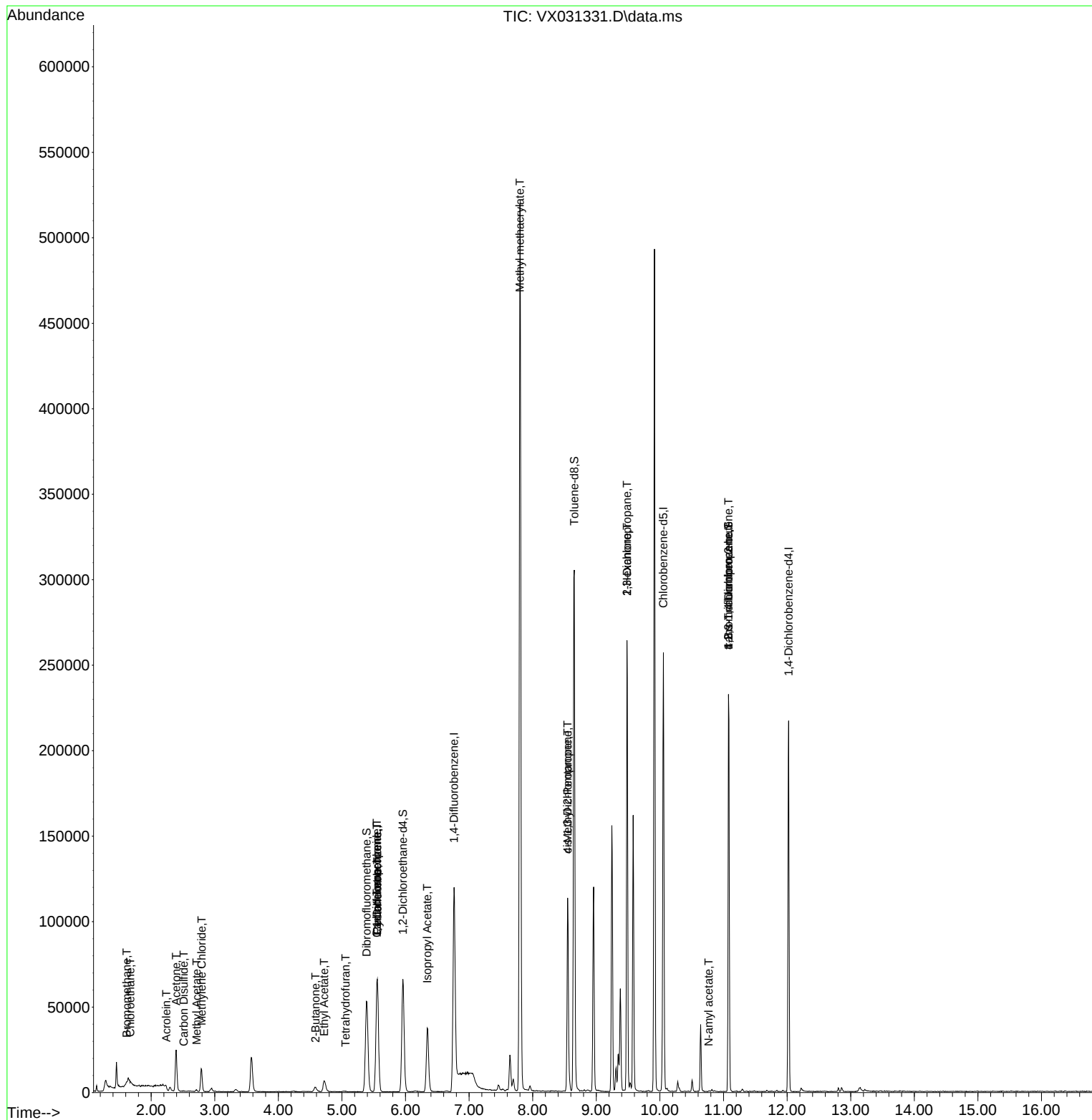
Internal Standards						
1) Pentafluorobenzene	5.556	168	57983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	104984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60125	42.246	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.500%
35) Dibromofluoromethane	5.385	113	44585	39.508	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	79.020%
50) Toluene-d8	8.653	98	174703	41.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	82.540%#
62) 4-Bromofluorobenzene	11.079	95	57773	37.269	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	74.540%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	292	Below Cal	#	41
5) Bromomethane	1.618	94	233	0.307	ug/l #	27
6) Chloroethane	1.672	64	198	0.268	ug/l #	43
11) Tert butyl alcohol	3.001	59	263	Below Cal	#	73
13) Acrolein	2.239	56	475	2.892	ug/l	95
16) Acetone	2.392	43	28206	46.424	ug/l	95
17) Carbon Disulfide	2.514	76	276	1.020	ug/l #	75
18) Methyl Acetate	2.715	43	1520	0.844	ug/l #	86
20) Methylene Chloride	2.794	84	5773	3.855	ug/l	92
25) 2-Butanone	4.587	43	4474	4.464	ug/l	94
29) Tetrahydrofuran	5.056	42	405	0.652	ug/l #	45
31) Cyclohexane	5.556	56	1720	1.125	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	5815	3.765	ug/l #	47
37) Ethyl Acetate	4.721	43	12119	5.970	ug/l	99
38) Carbon Tetrachloride	5.550	117	6471	3.854	ug/l #	16
43) Isopropyl Acetate	6.342	43	52550	15.167	ug/l	98
48) Methyl methacrylate	7.799	41	45939	29.126	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	41174	19.550	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	16330	7.884	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	2151	1.011	ug/l #	43
59) 2-Hexanone	9.482	43	31156	19.383	ug/l #	51
74) N-amyl acetate	10.768	43	419	0.293	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	33804	34.404	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33804	95.197	ug/l #	11

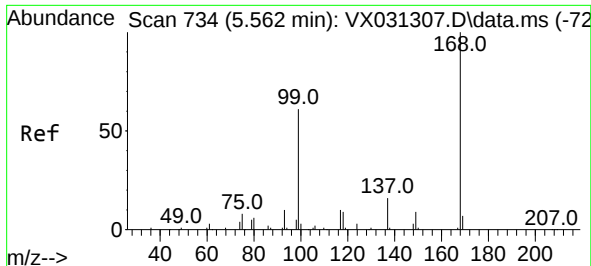
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
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Quant Time: Sep 15 06:09:30 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: VX031331.D

Acq: 15 Sep 2022 01:19

Instrument :

MSVOA_X

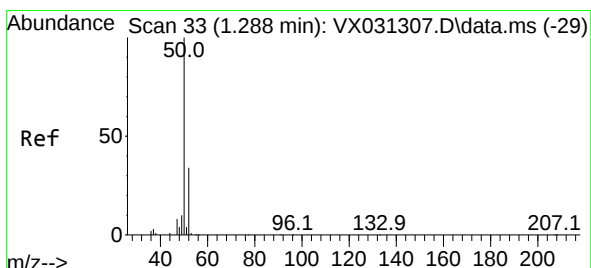
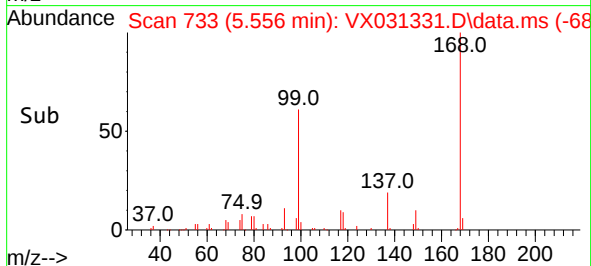
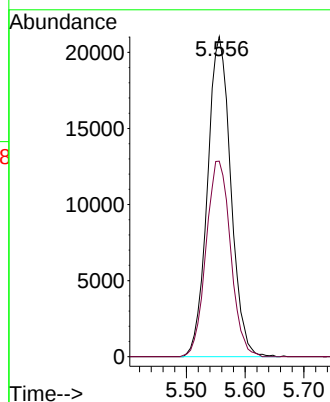
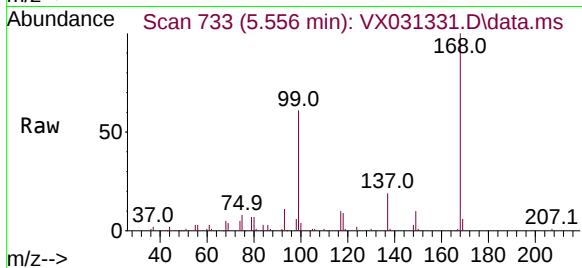
ClientSampleId :

Tgt Ion:168 Resp: 57983

Ion Ratio Lower Upper

168 100

99 61.1 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.288 min Scan# 33

Delta R.T. 0.000 min

Lab File: VX031331.D

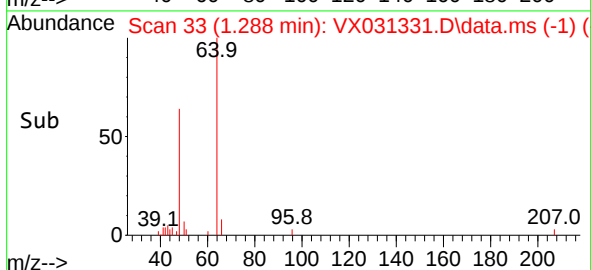
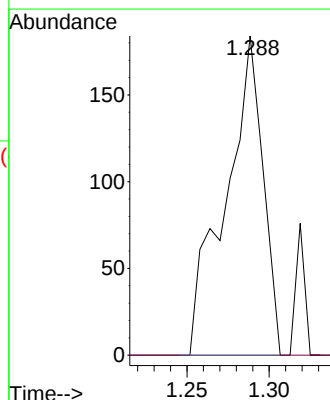
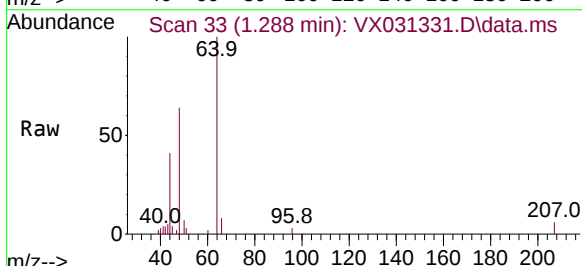
Acq: 15 Sep 2022 01:19

Tgt Ion: 50 Resp: 292

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#

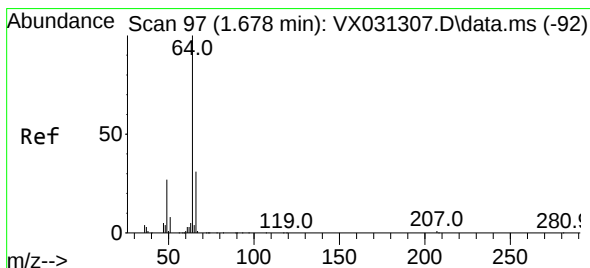
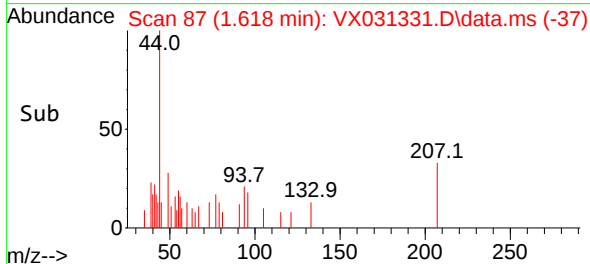
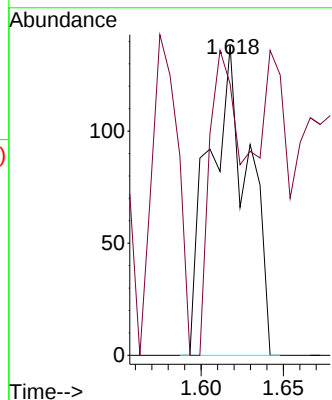
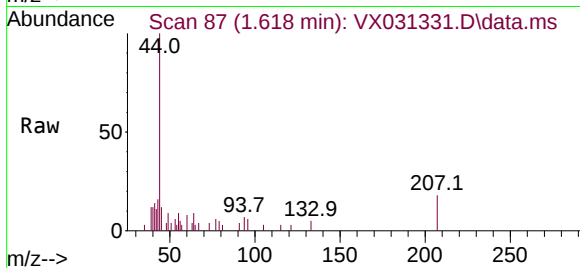




#5
Bromomethane
Concen: 0.307 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

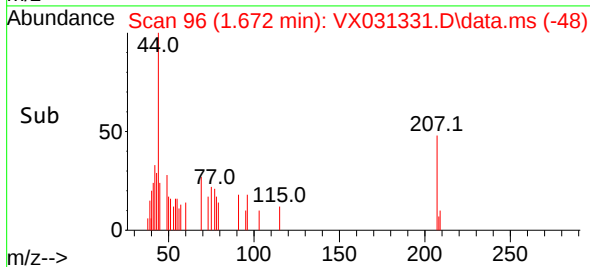
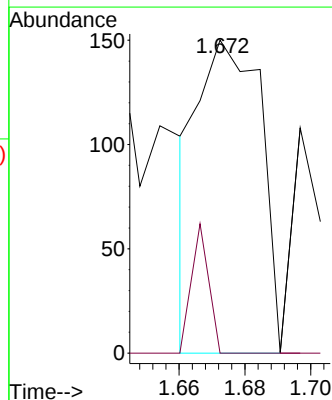
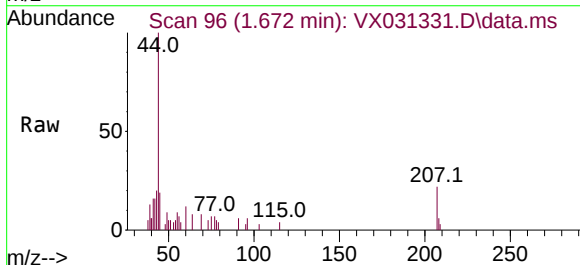
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 233
Ion Ratio Lower Upper
94 100
96 23.2 74.4 111.6#



#6
Chloroethane
Concen: 0.268 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 64 Resp: 198
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

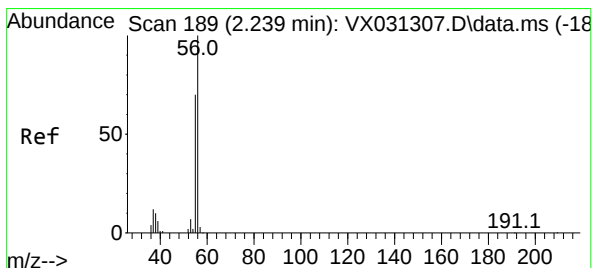
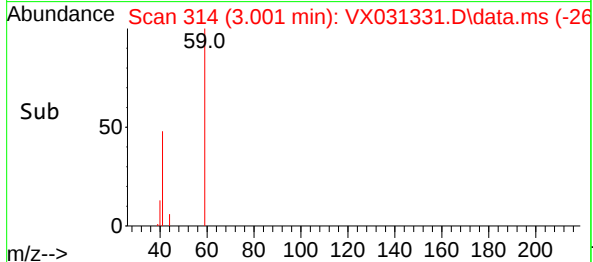
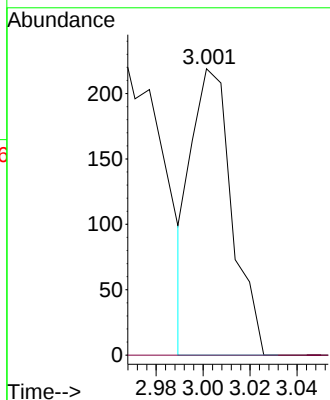
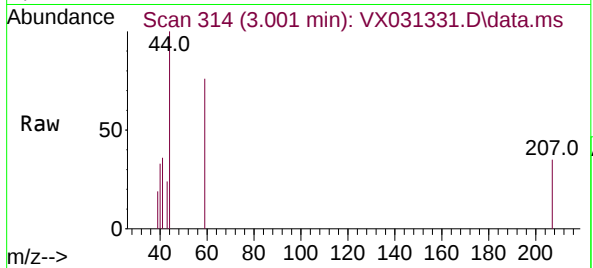




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.001 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

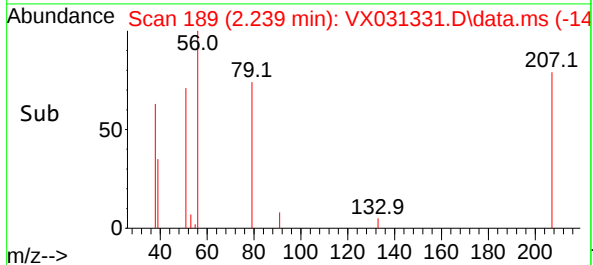
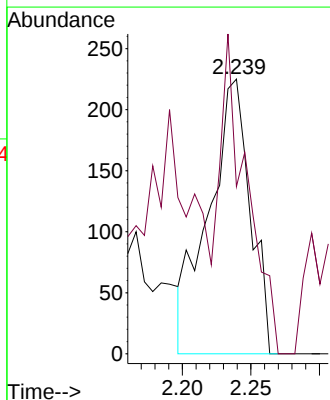
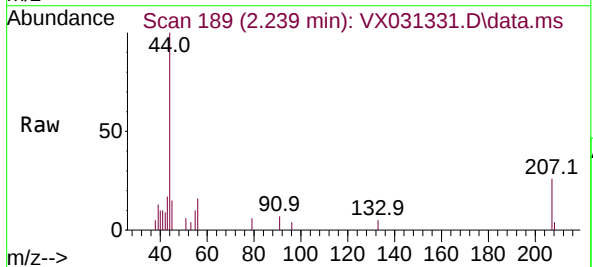
Instrument :
MSVOA_X
ClientSampleId :

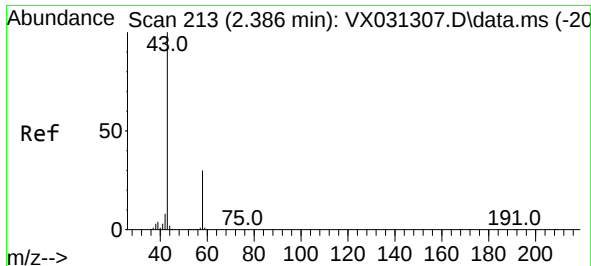
Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 2.892 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 56 Resp: 475
Ion Ratio Lower Upper
56 100
55 74.1 56.0 84.0

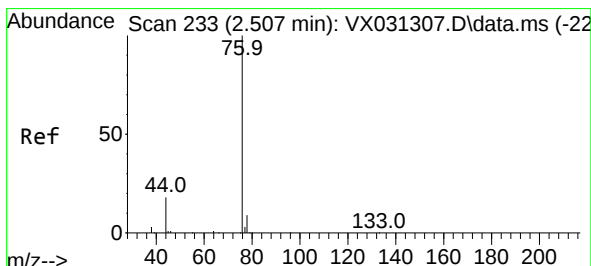
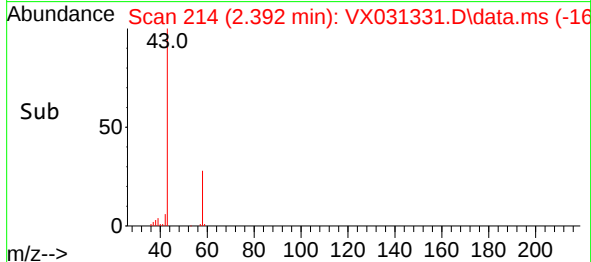
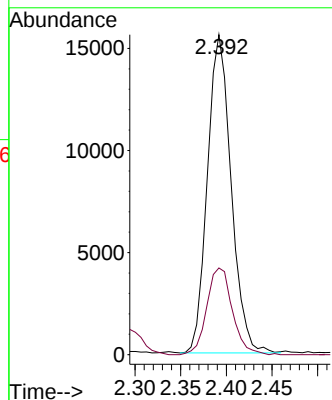
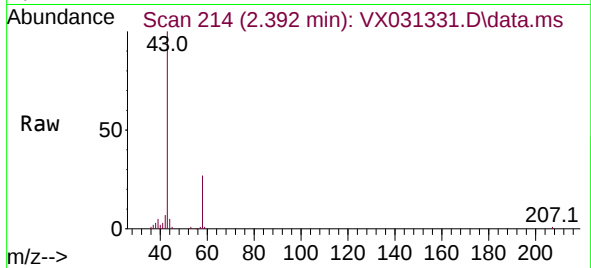




#16
Acetone
Concen: 46.424 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

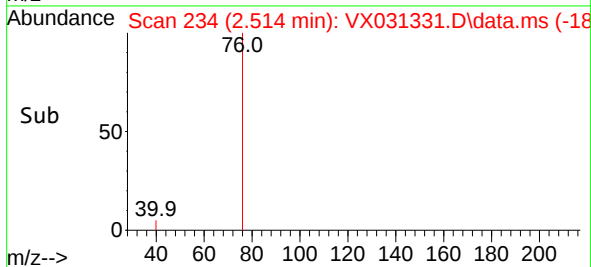
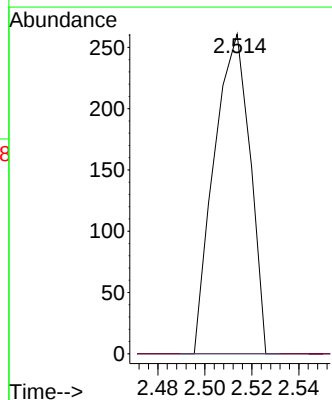
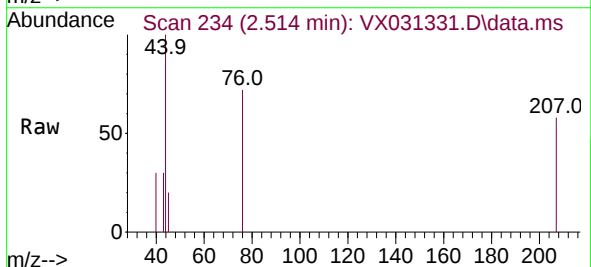
Instrument :
MSVOA_X
ClientSampleId :

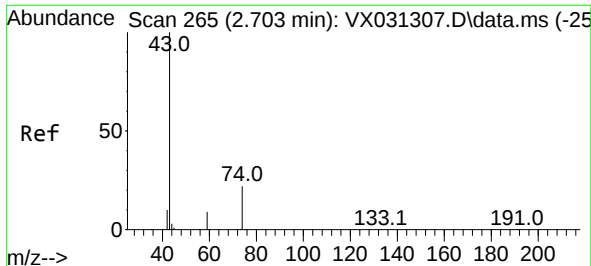
Tgt Ion: 43 Resp: 28206
Ion Ratio Lower Upper
43 100
58 27.2 23.8 35.8



#17
Carbon Disulfide
Concen: 1.020 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 76 Resp: 276
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

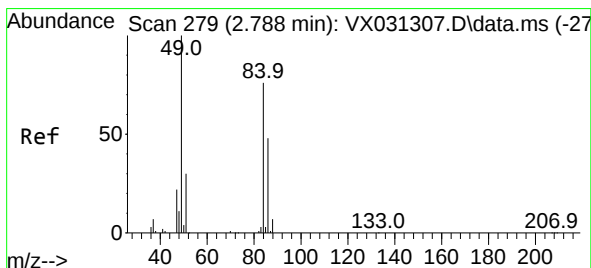
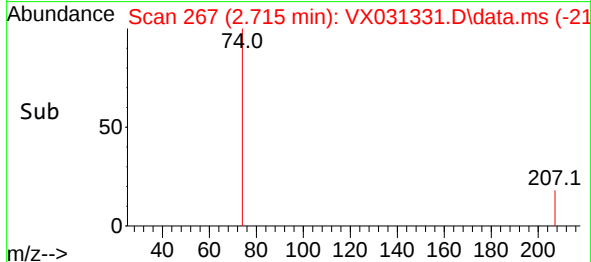
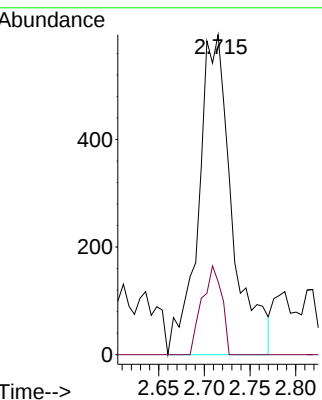
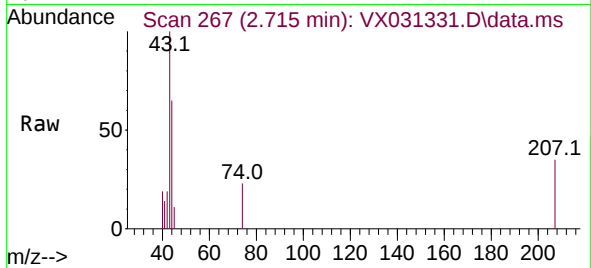




#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

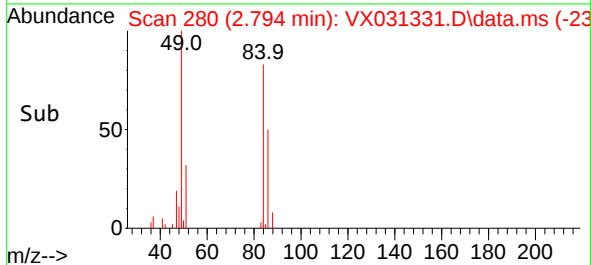
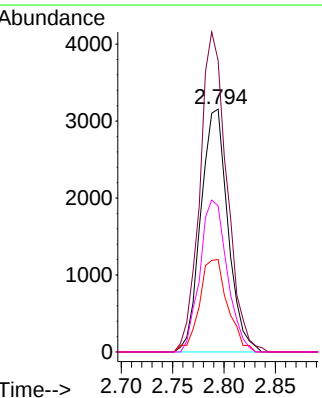
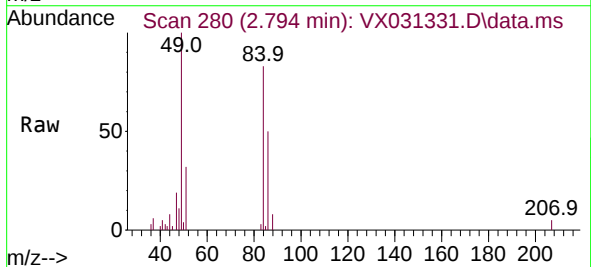
Instrument :
MSVOA_X
ClientSampleId :

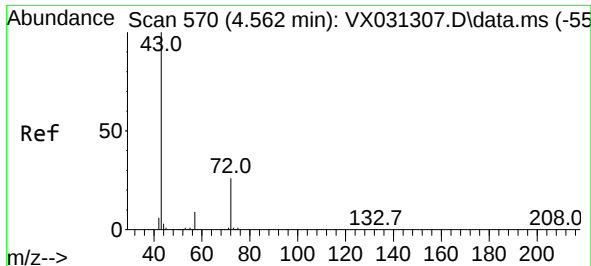
Tgt Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
74 16.3 18.6 27.8#



#20
Methylene Chloride
Concen: 3.855 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 84 Resp: 5773
Ion Ratio Lower Upper
84 100
49 120.1 105.9 158.9
51 38.1 32.2 48.2
86 60.2 50.8 76.2





#25

2-Butanone

Concen: 4.464 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

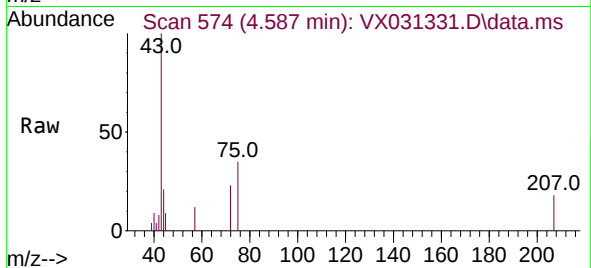
Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

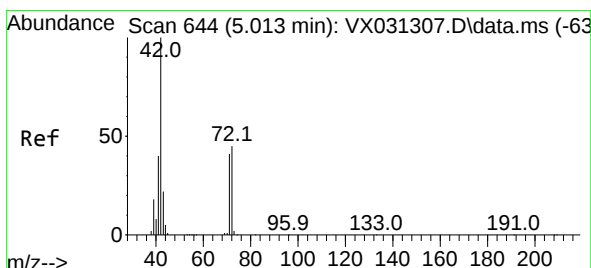
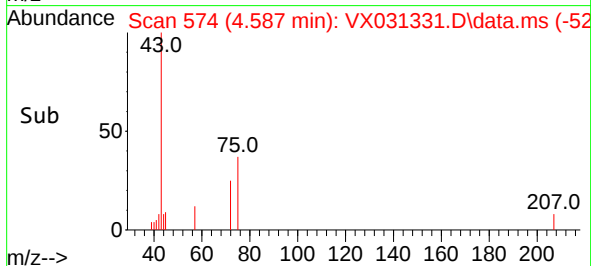
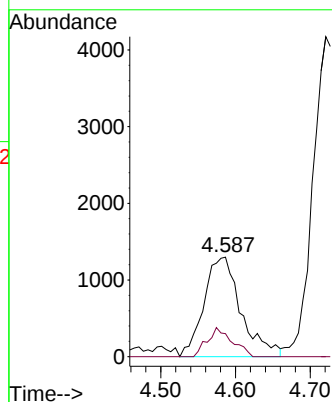


Tgt Ion: 43 Resp: 4474

Ion Ratio Lower Upper

43 100

72 23.1 21.1 31.7



#29

Tetrahydrofuran

Concen: 0.652 ug/l

RT: 5.056 min Scan# 651

Delta R.T. 0.043 min

Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

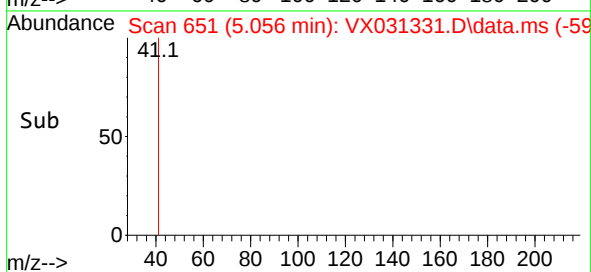
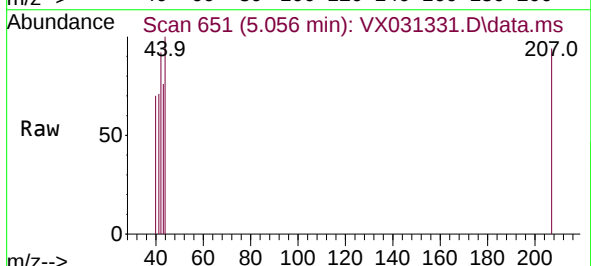
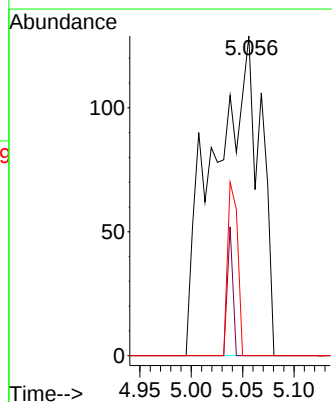
Tgt Ion: 42 Resp: 405

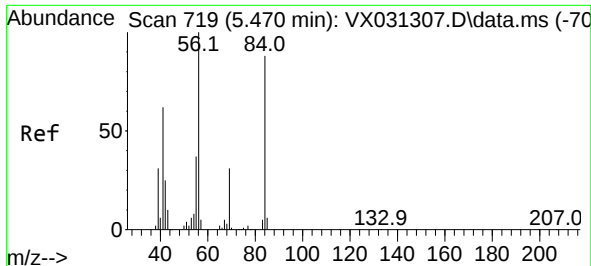
Ion Ratio Lower Upper

42 100

72 4.7 36.4 54.6#

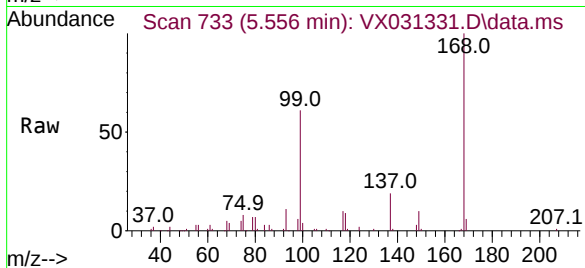
71 11.6 33.5 50.3#



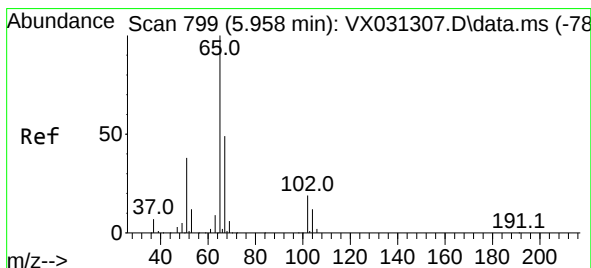
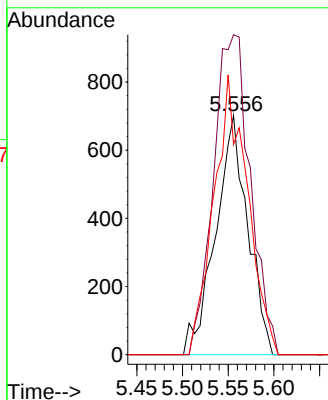
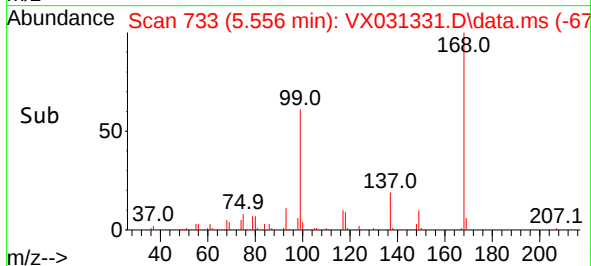


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :

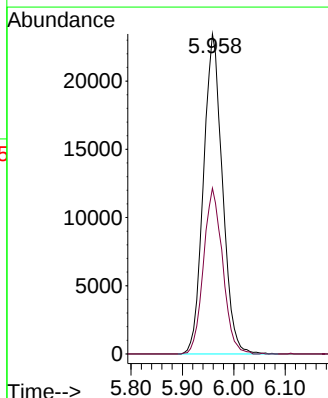
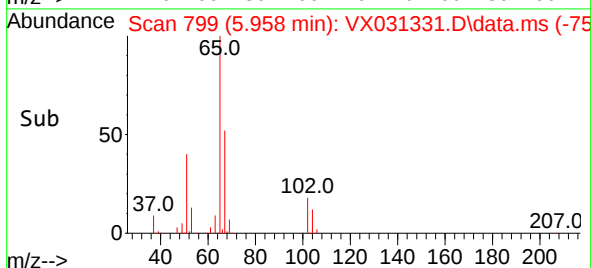
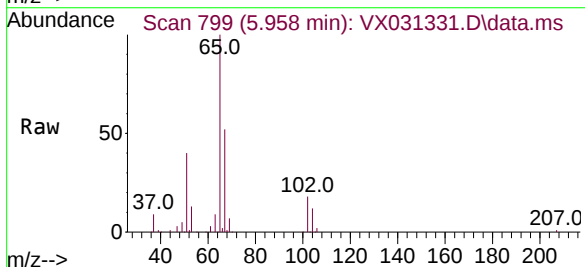


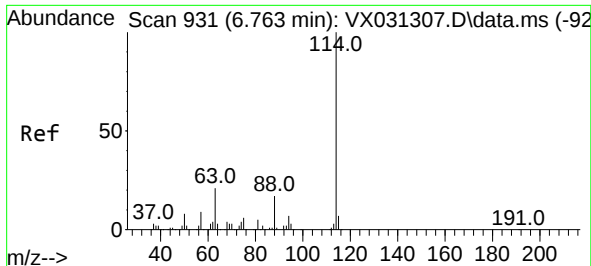
Tgt Ion: 56 Resp: 1720
Ion Ratio Lower Upper
56 100
69 133.8 25.1 37.7#
84 87.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 42.246 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 65 Resp: 60125
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.4

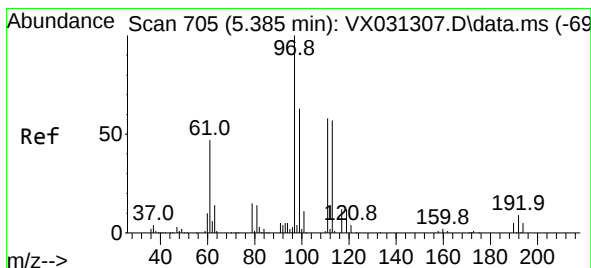
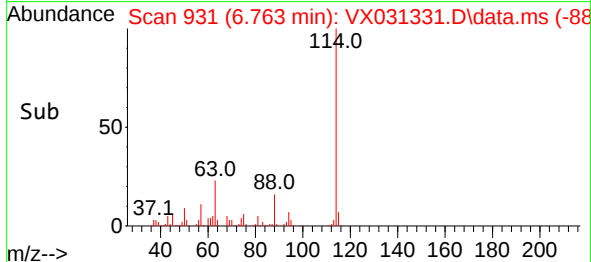
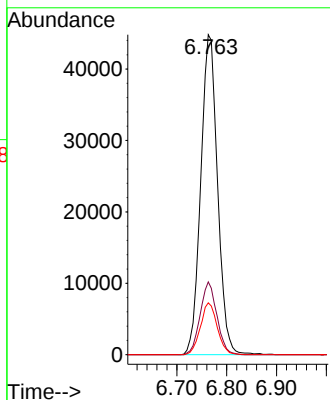
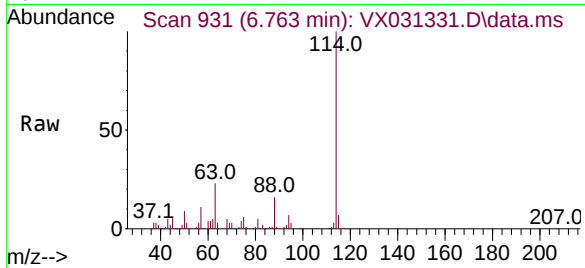




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

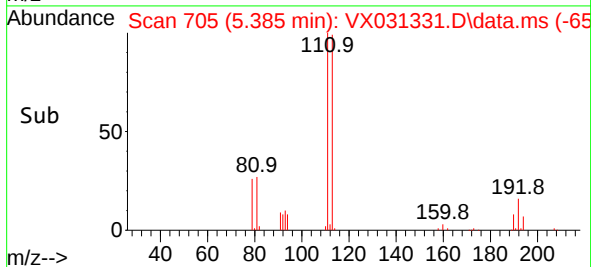
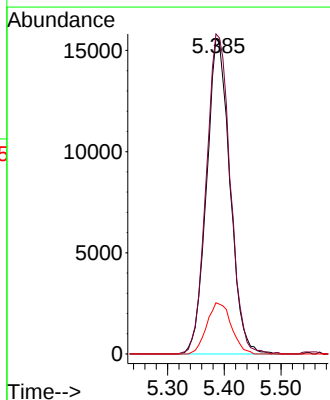
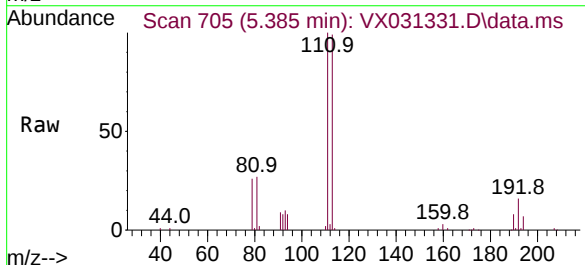
Instrument :
MSVOA_X
ClientSampleId :

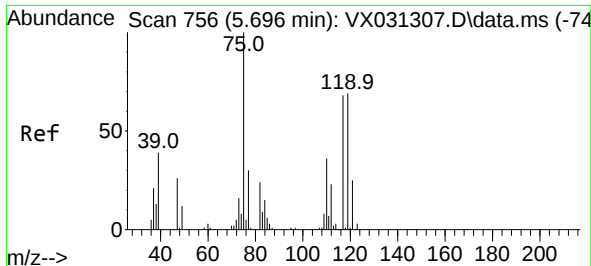
Tgt Ion:114 Resp: 104984
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.6
88 16.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 39.508 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion:113 Resp: 44585
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 17.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.765 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031331.D

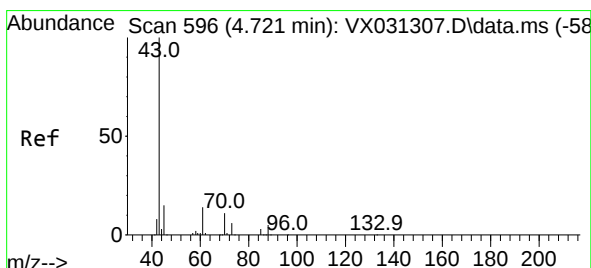
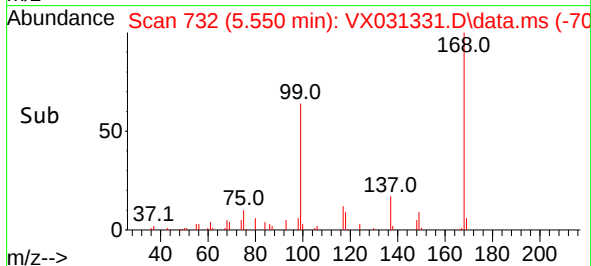
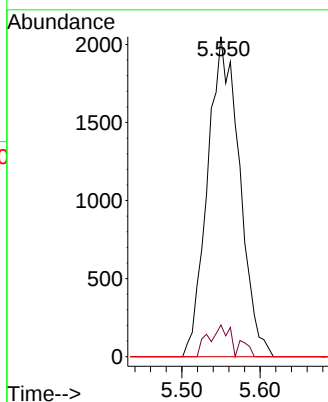
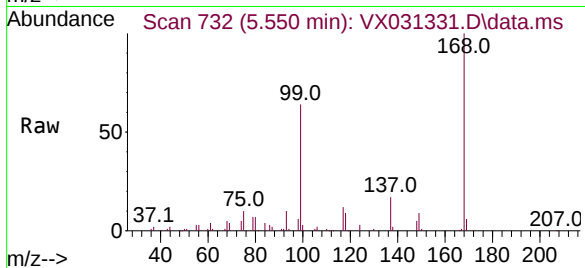
Acq: 15 Sep 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 75	Resp:	5815
Ion Ratio	Lower	Upper
75	100	
110	6.4	17.5 52.5#
77	0.0	24.9 37.3#



#37

Ethyl Acetate

Concen: 5.970 ug/l

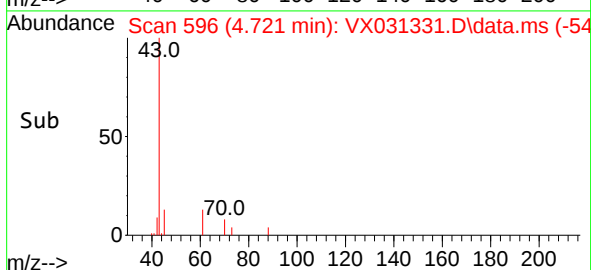
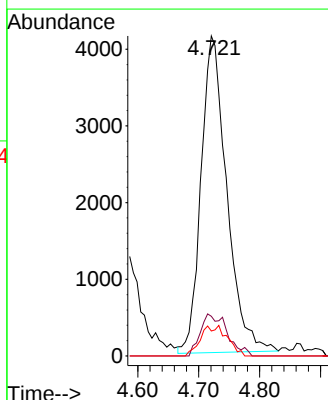
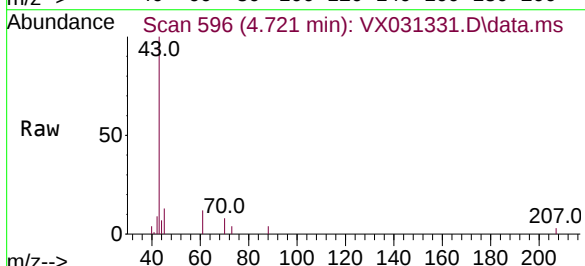
RT: 4.721 min Scan# 596

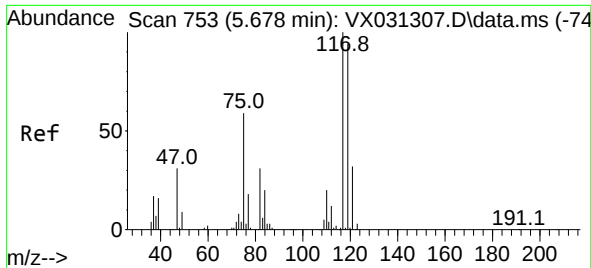
Delta R.T. 0.000 min

Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

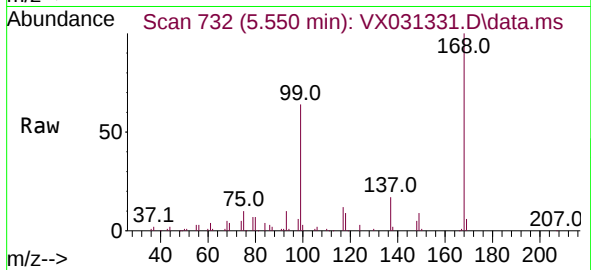
Tgt Ion: 43	Resp:	12119
Ion Ratio	Lower	Upper
43	100	
61	13.9	11.1 16.7
70	9.9	8.6 13.0



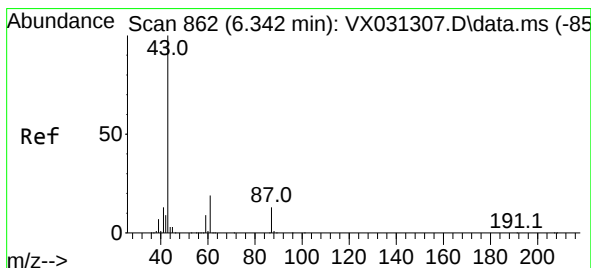
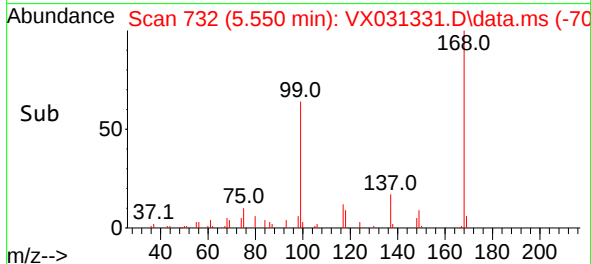
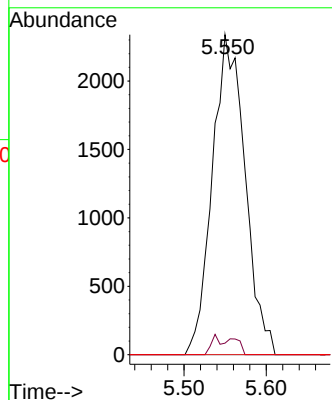


#38
Carbon Tetrachloride
Concen: 3.854 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :

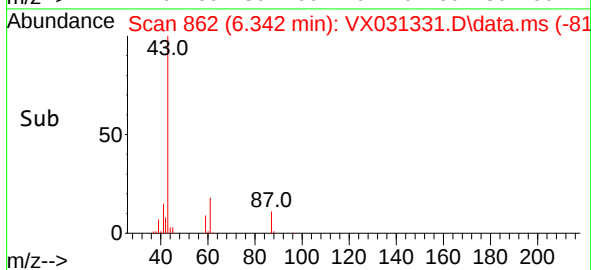
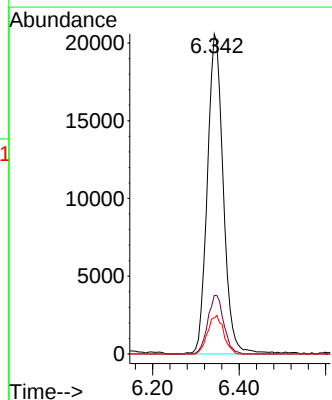
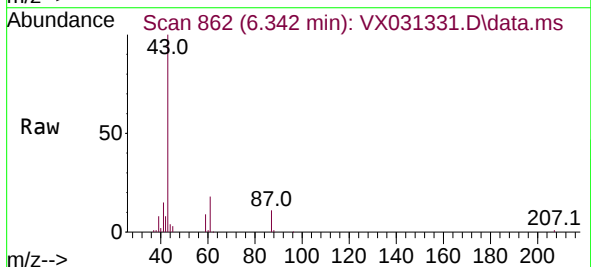


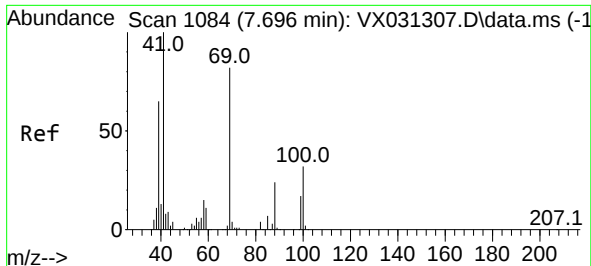
Tgt Ion:117 Resp: 6471
Ion Ratio Lower Upper
117 100
119 3.6 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 15.167 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 43 Resp: 52550
Ion Ratio Lower Upper
43 100
61 18.3 15.3 22.9
87 12.0 10.6 15.8





#48

Methyl methacrylate

Concen: 29.126 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

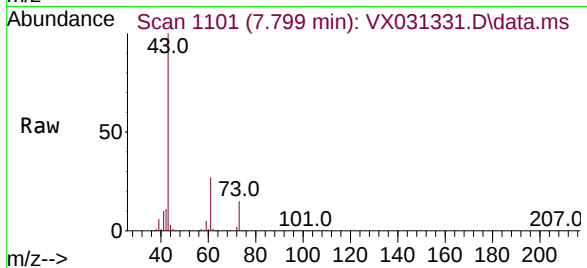
Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

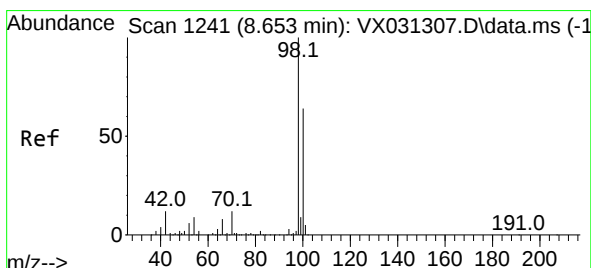
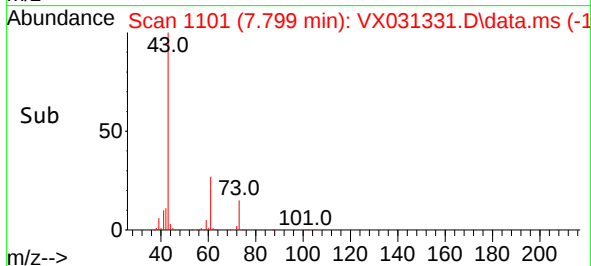
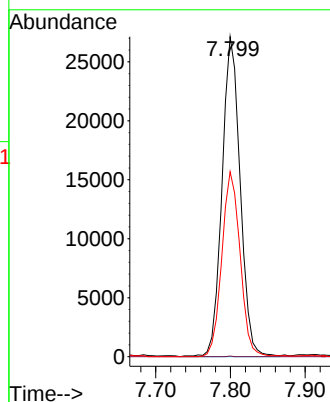
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	45939
Ion	Ratio	Lower	Upper
41	100		
69	0.0	64.6	96.8#
39	58.3	51.4	77.0



#50

Toluene-d8

Concen: 41.270 ug/l

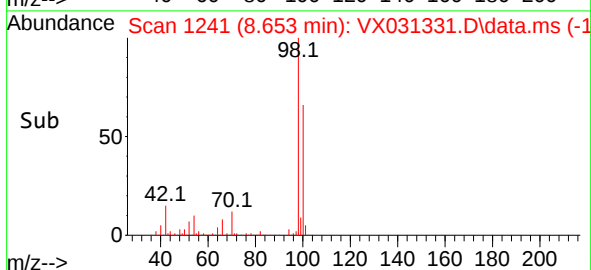
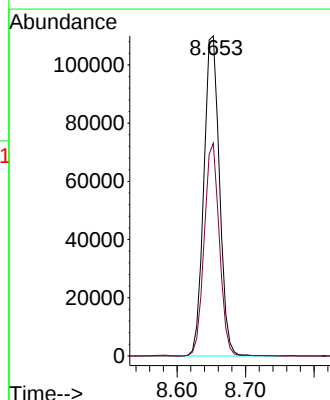
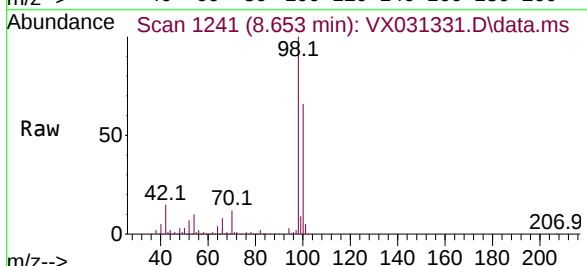
RT: 8.653 min Scan# 1241

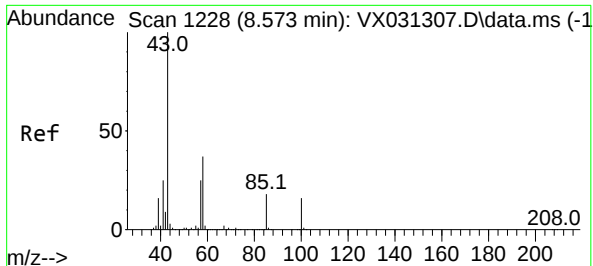
Delta R.T. 0.000 min

Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

Tgt Ion:	98	Resp:	174703
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.5	78.7

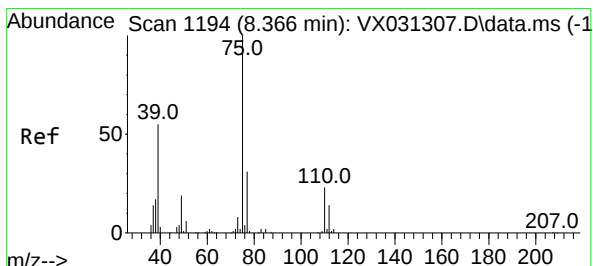
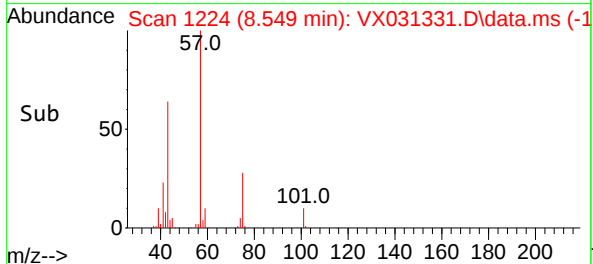
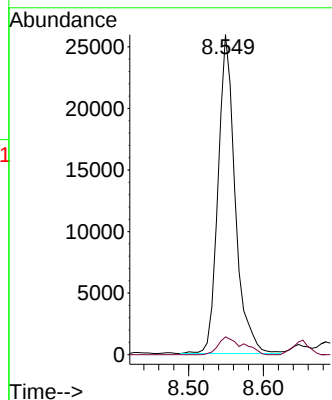
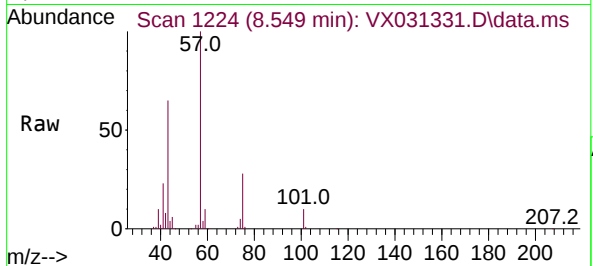




#51
4-Methyl-2-Pentanone
Concen: 19.550 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. -0.024 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

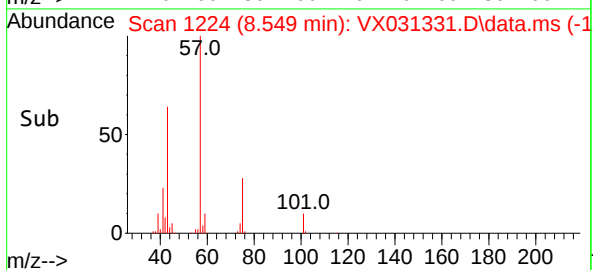
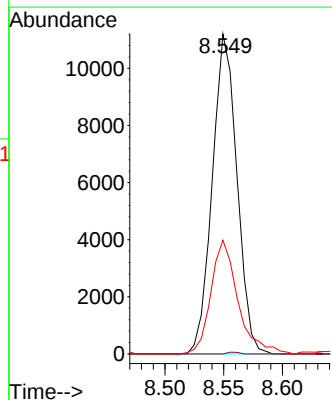
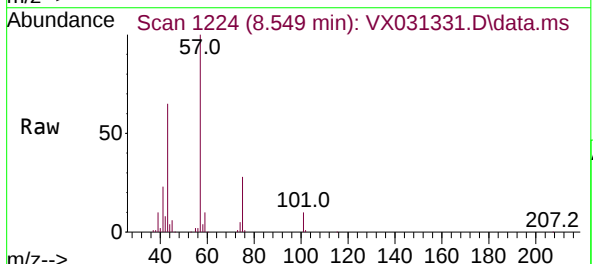
Instrument :
MSVOA_X
ClientSampleId :

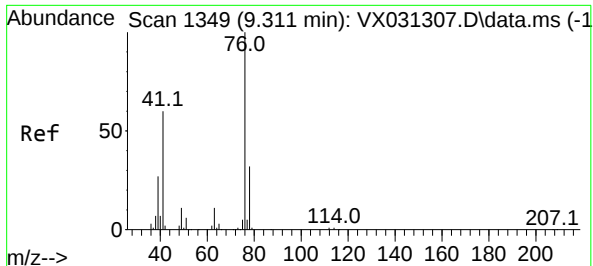
Tgt Ion: 43 Resp: 41174
Ion Ratio Lower Upper
43 100
58 8.1 30.6 46.0#



#54
cis-1,3-Dichloropropene
Concen: 7.884 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 75 Resp: 16330
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#
39 35.6 43.7 65.5#

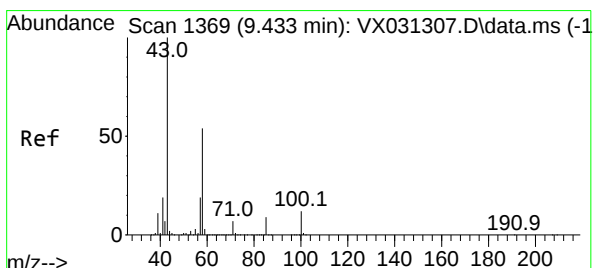
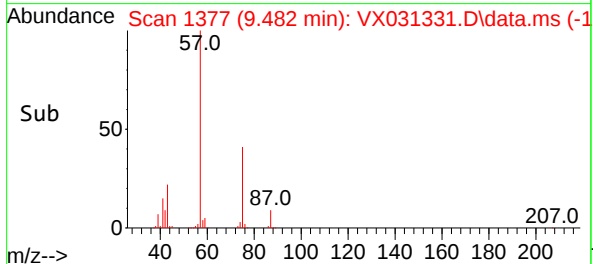
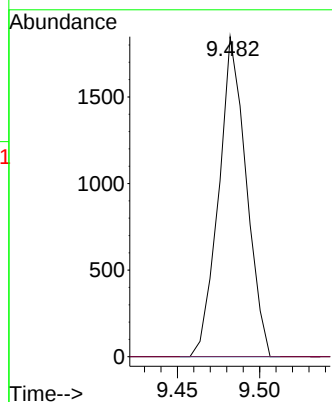
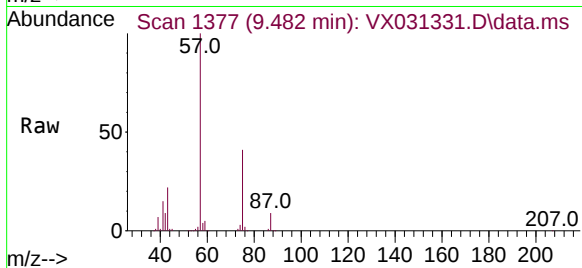




#57
1,3-Dichloropropane
Concen: 1.011 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

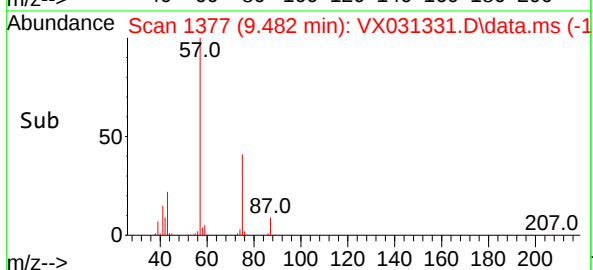
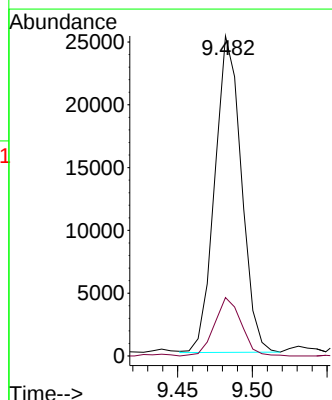
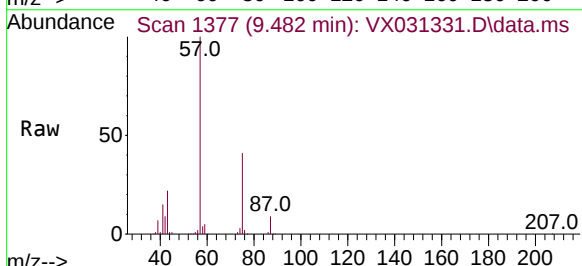
Instrument :
MSVOA_X
ClientSampleId :

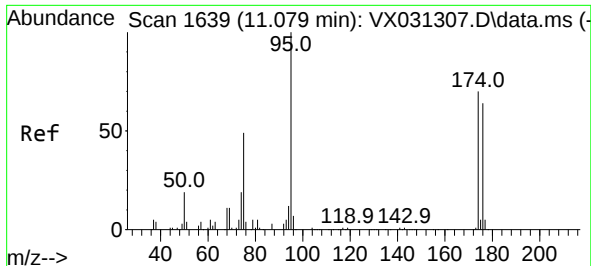
Tgt Ion: 76 Resp: 2151
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 19.383 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 43 Resp: 31156
Ion Ratio Lower Upper
43 100
58 18.6 26.7 80.0#

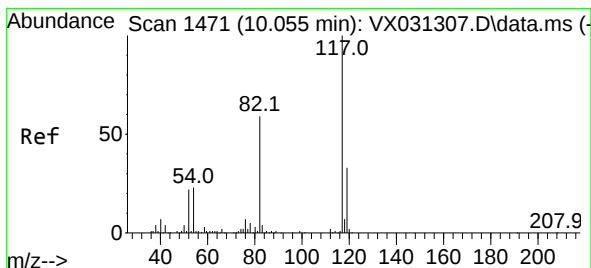
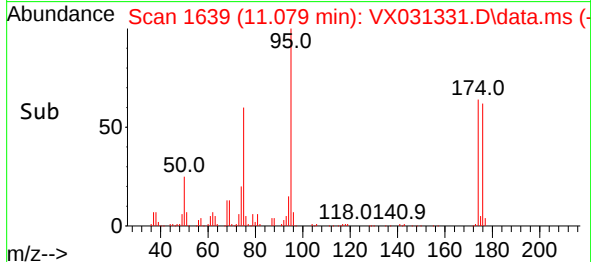
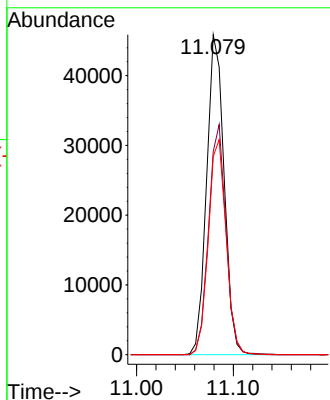
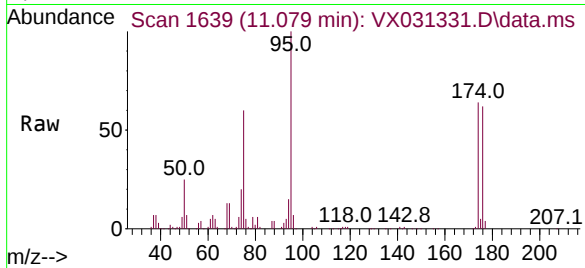




#62
4-Bromofluorobenzene
Concen: 37.269 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

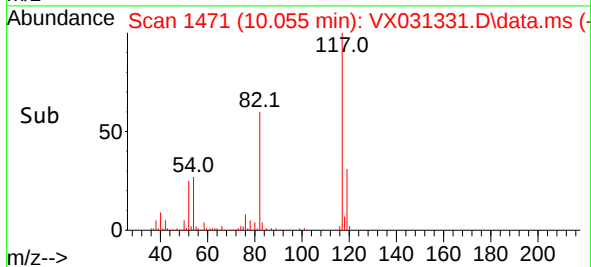
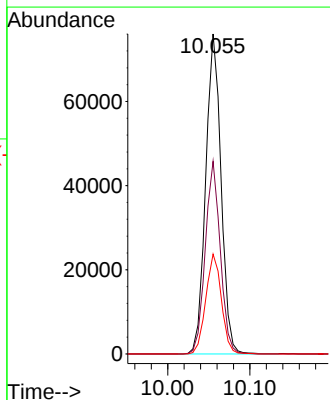
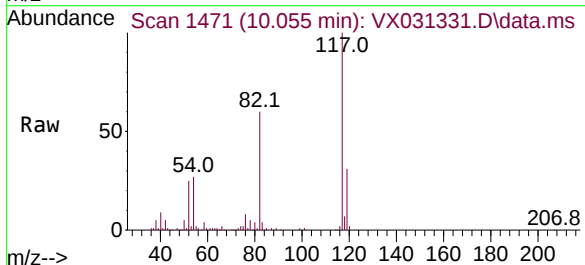
Instrument :
MSVOA_X
ClientSampleId :

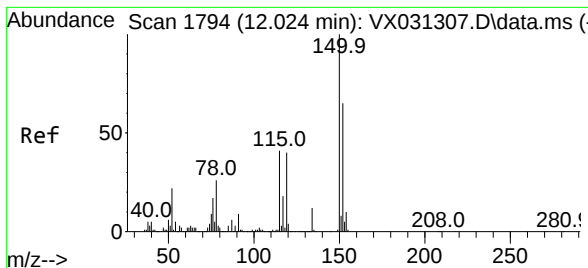
Tgt Ion: 95 Resp: 57773
Ion Ratio Lower Upper
95 100
174 71.2 0.0 153.2
176 68.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 117 Resp: 98664
Ion Ratio Lower Upper
117 100
82 60.2 46.8 70.2
119 31.2 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

Instrument :

MSVOA_X

ClientSampleId :

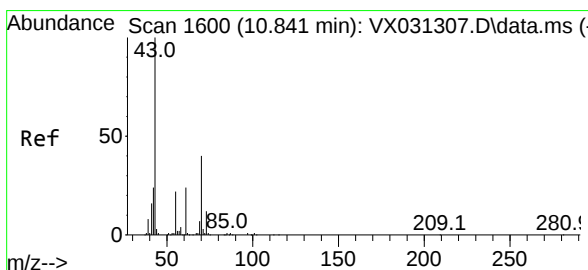
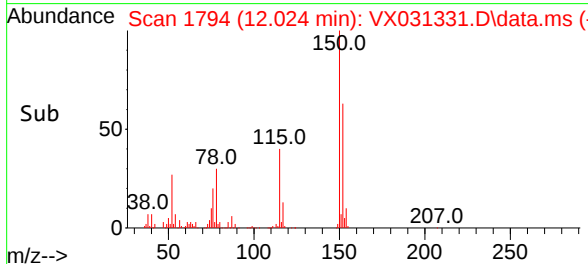
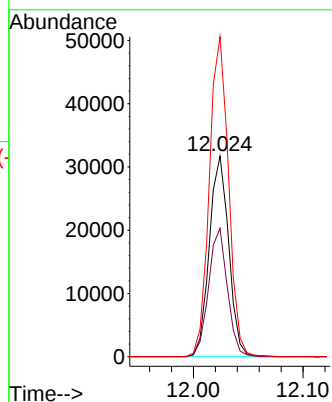
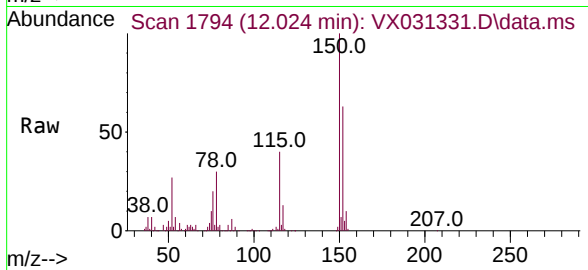
Tgt Ion:152 Resp: 38990

Ion Ratio Lower Upper

152 100

115 62.1 43.4 130.1

150 157.8 0.0 346.8



#74

N-ethyl acetate

Concen: 0.293 ug/l

RT: 10.768 min Scan# 1588

Delta R.T. -0.073 min

Lab File: VX031331.D

Acq: 15 Sep 2022 01:19

Tgt Ion: 43 Resp: 419

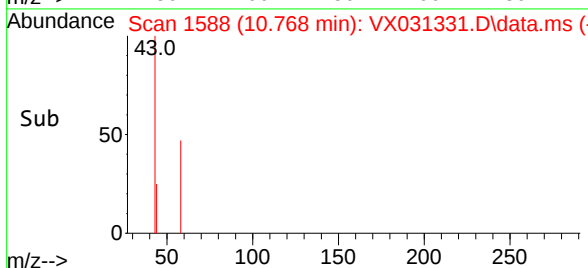
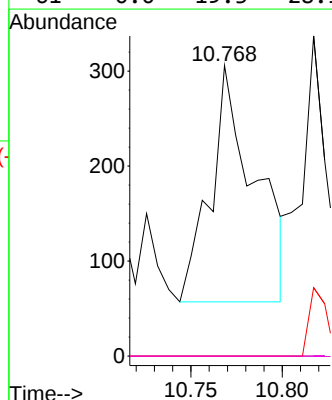
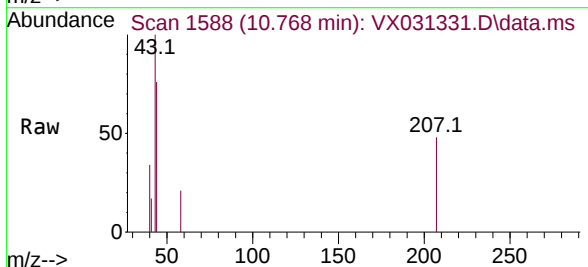
Ion Ratio Lower Upper

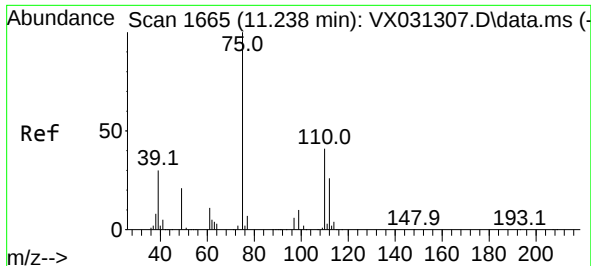
43 100

70 0.0 33.4 50.2#

55 0.0 18.2 27.2#

61 0.0 19.3 28.9#

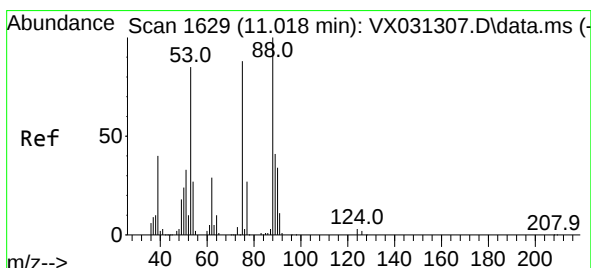
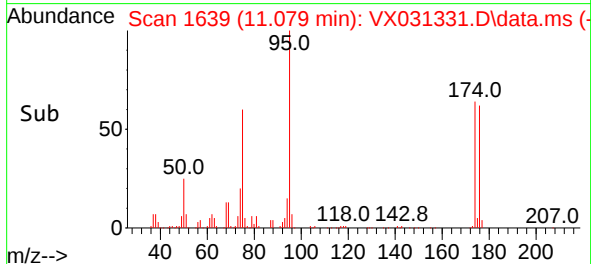
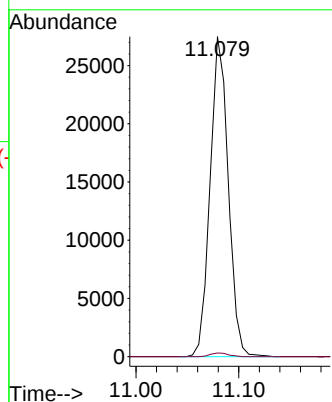
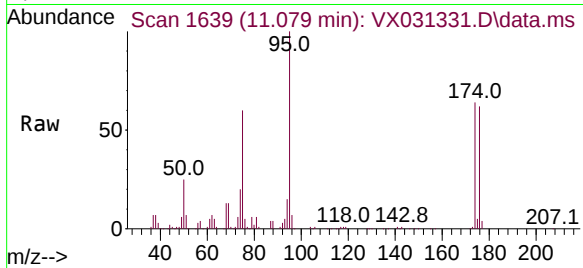




#76
1,2,3-Trichloropropane
Concen: 34.404 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33804
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031331.D
Acq: 15 Sep 2022 01:19

Tgt Ion: 75 Resp: 33804
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

