

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031332.D
 Acq On : 15 Sep 2022 01:43
 Operator : JC/MD
 Sample : N4578-32
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:09:48 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)

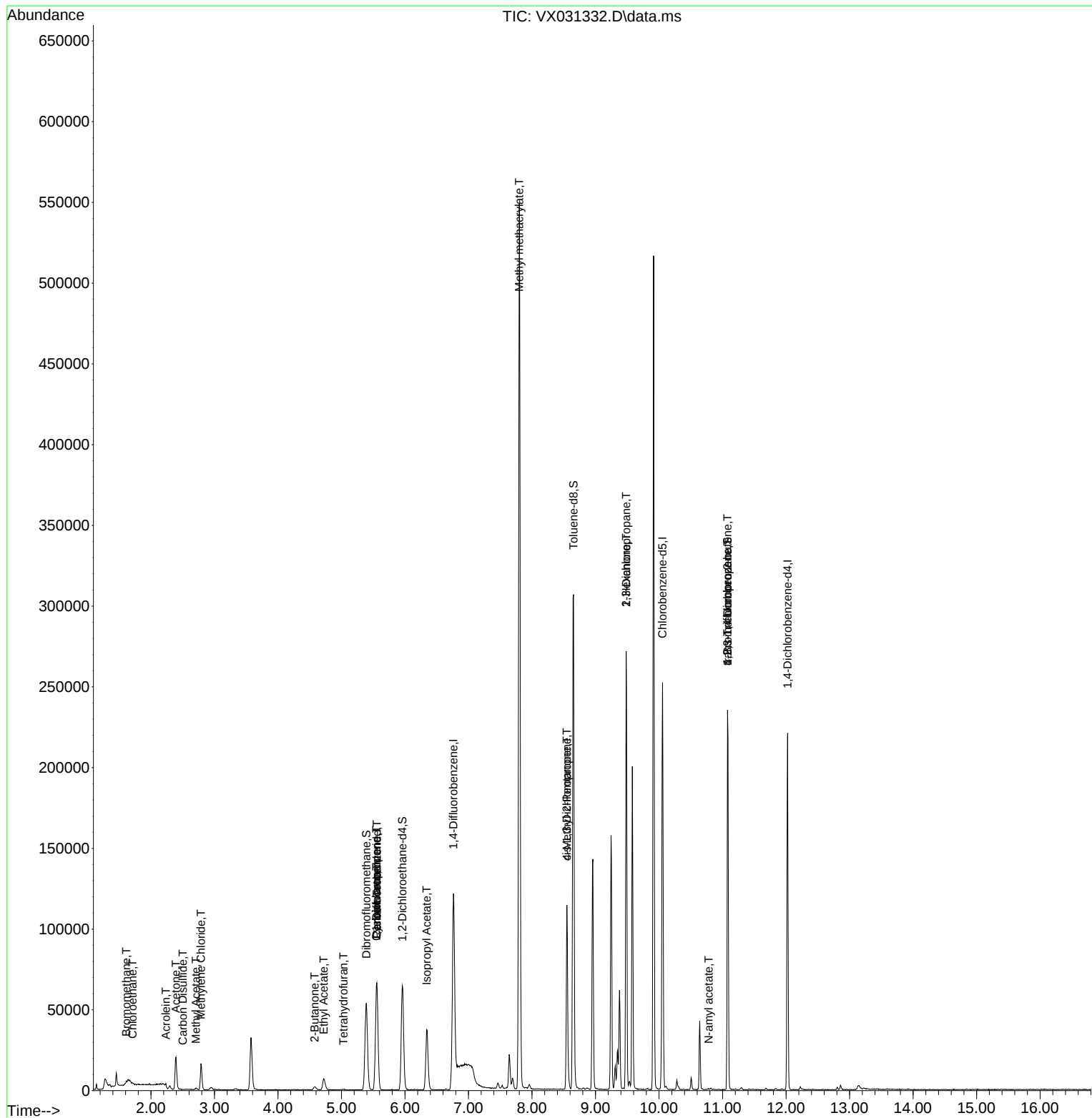
Internal Standards						
1) Pentafluorobenzene	5.556	168	57654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	105334	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61061	43.148	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.300%
35) Dibromofluoromethane	5.391	113	44947	39.697	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	79.400%
50) Toluene-d8	8.653	98	173977	40.962	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	81.920%#
62) 4-Bromofluorobenzene	11.079	95	57772	37.145	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	74.280%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	304	Below Cal	#	41
5) Bromomethane	1.612	94	170	0.225	ug/l #	72
6) Chloroethane	1.709	64	171	0.235	ug/l #	43
11) Tert butyl alcohol	2.947	59	1145	Below Cal	#	73
13) Acrolein	2.233	56	190	1.163	ug/l #	15
16) Acetone	2.392	43	23806	39.406	ug/l	97
17) Carbon Disulfide	2.502	76	46	0.903	ug/l #	75
18) Methyl Acetate	2.709	43	1568	0.875	ug/l #	80
20) Methylene Chloride	2.788	84	6137	4.295	ug/l	95
21) trans-1,2-Dichloroethene	3.056	96	44	Below Cal	#	1
25) 2-Butanone	4.574	43	2909	2.919	ug/l	93
29) Tetrahydrofuran	5.032	42	315	0.510	ug/l #	37
31) Cyclohexane	5.550	56	1662	1.093	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	5520	3.562	ug/l #	44
37) Ethyl Acetate	4.721	43	12448	6.112	ug/l #	97
38) Carbon Tetrachloride	5.556	117	6157	3.655	ug/l #	16
43) Isopropyl Acetate	6.342	43	53247	15.317	ug/l	96
48) Methyl methacrylate	7.799	41	48305	30.524	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	41990	19.872	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	16547	7.962	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	2170	1.016	ug/l #	43
59) 2-Hexanone	9.482	43	32499	20.151	ug/l #	51
74) N-amyl acetate	10.781	43	346	0.239	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	34163	34.380	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34163	95.130	ug/l #	11

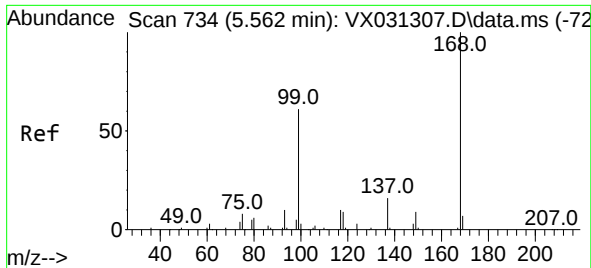
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

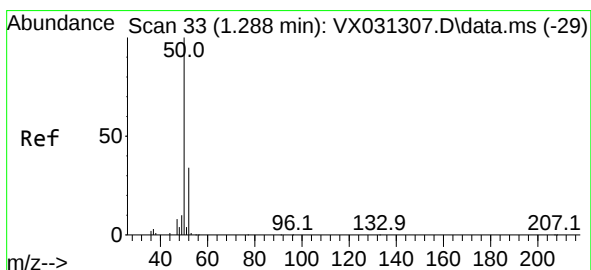
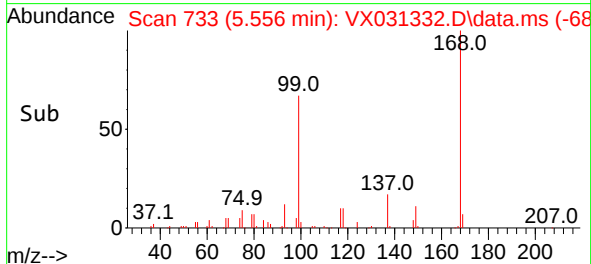
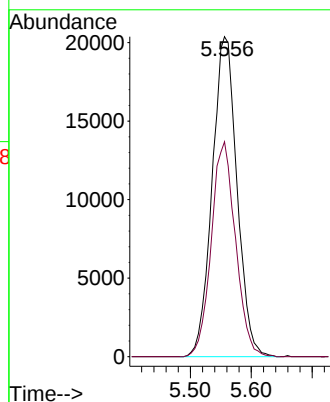
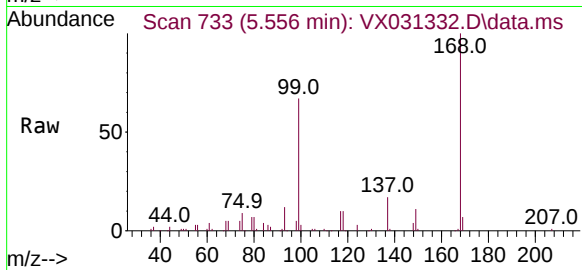
ClientSampleId :

Tgt Ion:168 Resp: 57654

Ion Ratio Lower Upper

168 100

99 67.1 48.8 73.2



#3

Chloromethane

Concen: Below Cal

RT: 1.295 min Scan# 34

Delta R.T. 0.006 min

Lab File: VX031332.D

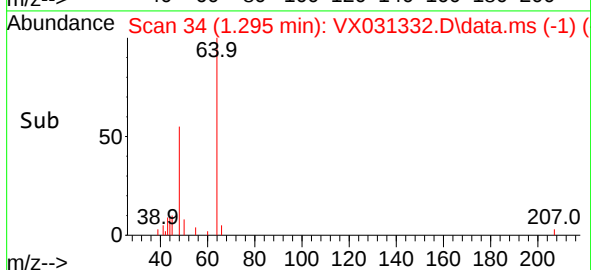
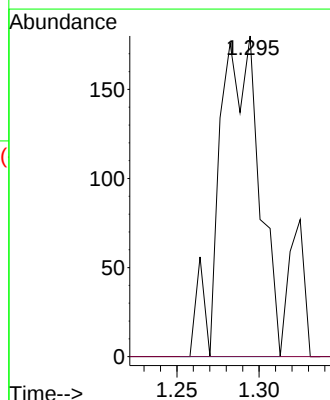
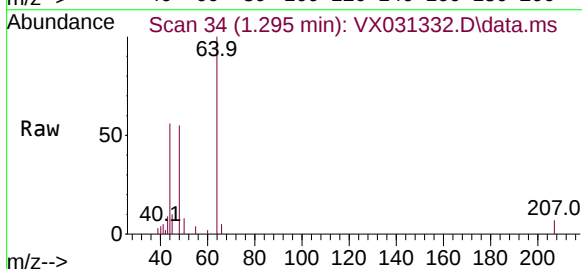
Acq: 15 Sep 2022 01:43

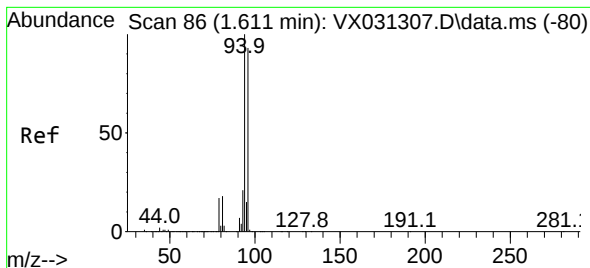
Tgt Ion: 50 Resp: 304

Ion Ratio Lower Upper

50 100

52 0.0 26.9 40.3#





#5

Bromomethane

Concen: 0.225 ug/l

RT: 1.612 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

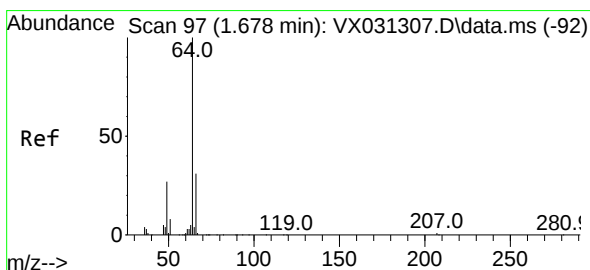
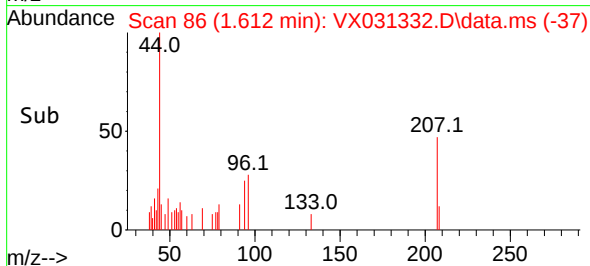
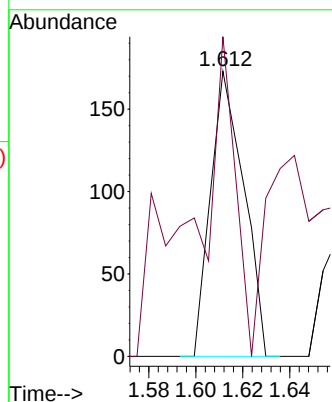
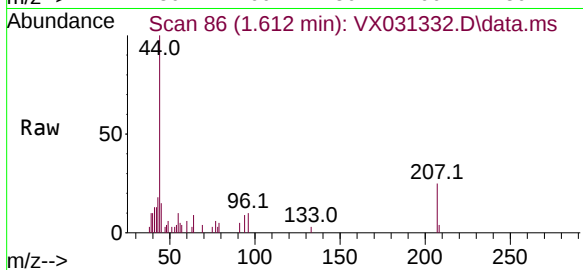
ClientSampleId :

Tgt Ion: 94 Resp: 170

Ion Ratio Lower Upper

94 100

96 66.5 74.4 111.6#



#6

Chloroethane

Concen: 0.235 ug/l

RT: 1.709 min Scan# 102

Delta R.T. 0.031 min

Lab File: VX031332.D

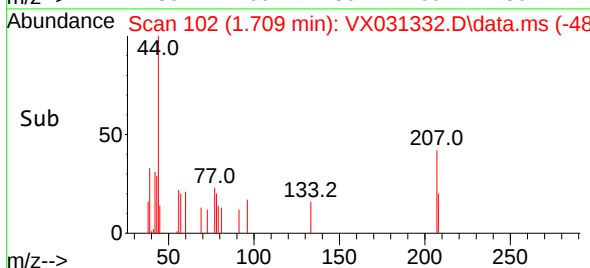
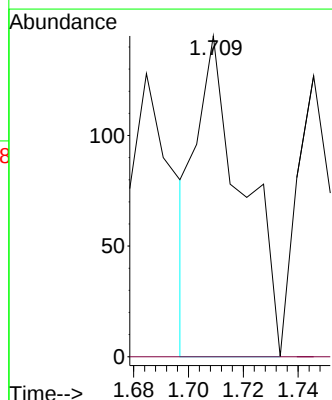
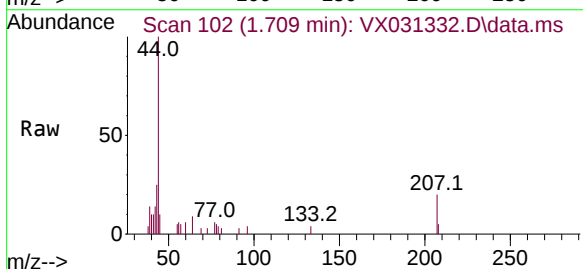
Acq: 15 Sep 2022 01:43

Tgt Ion: 64 Resp: 171

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

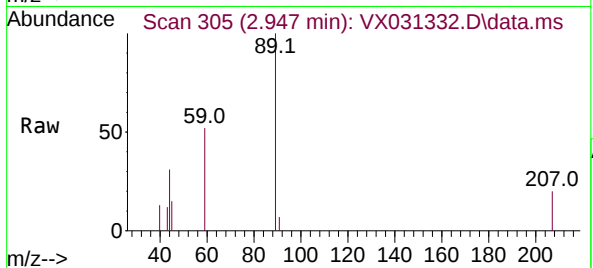
Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

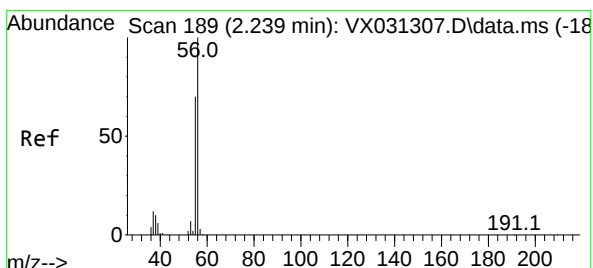
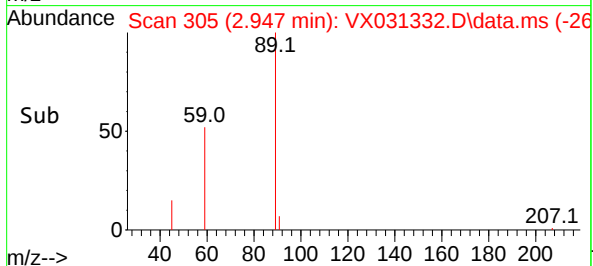
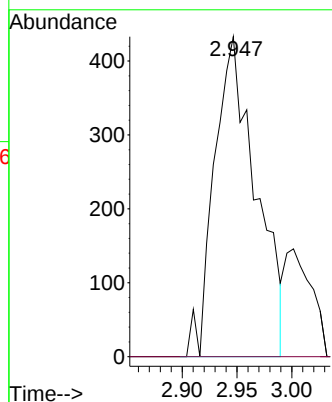


Tgt Ion: 59 Resp: 1145

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 1.163 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX031332.D

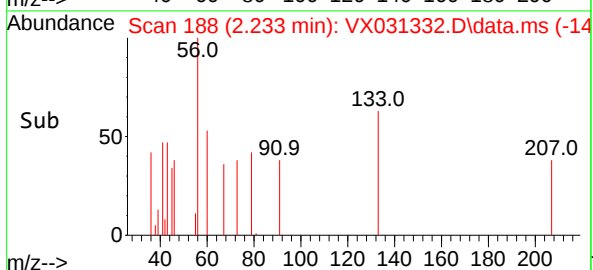
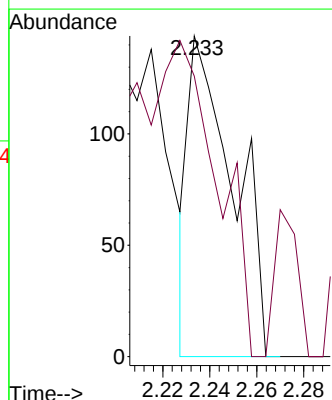
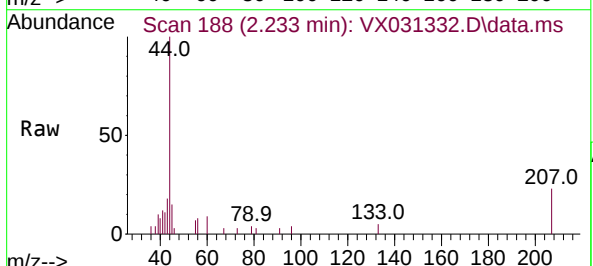
Acq: 15 Sep 2022 01:43

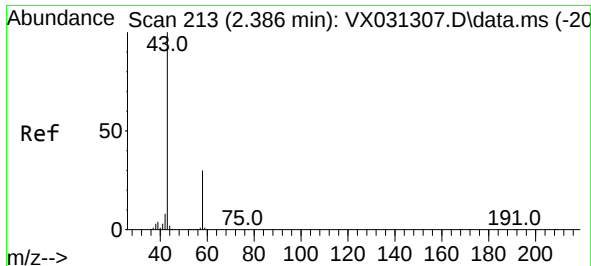
Tgt Ion: 56 Resp: 190

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

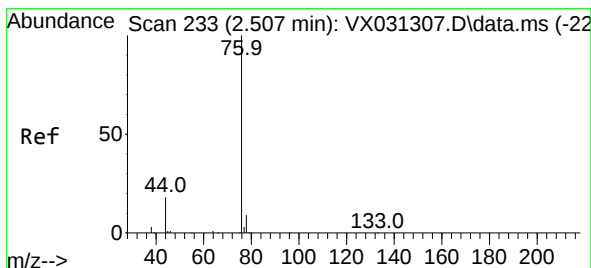
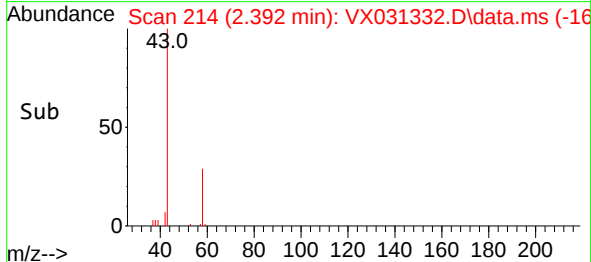
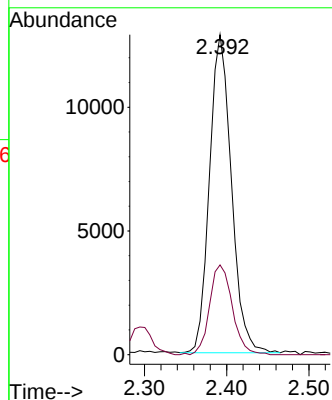
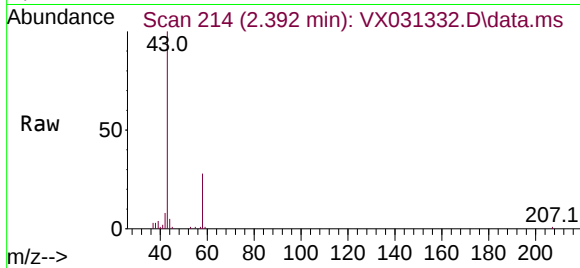




#16
Acetone
Concen: 39.406 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

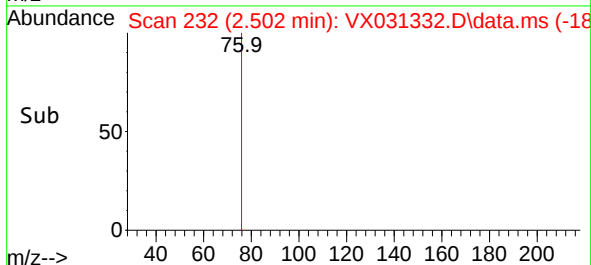
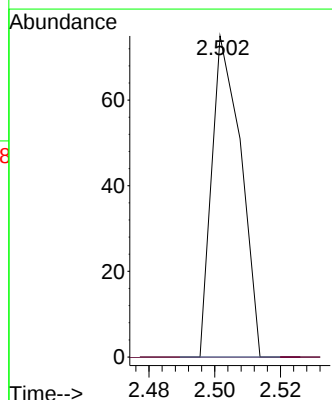
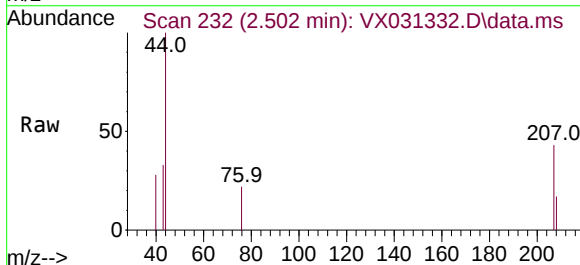
Instrument :
MSVOA_X
ClientSampleId :

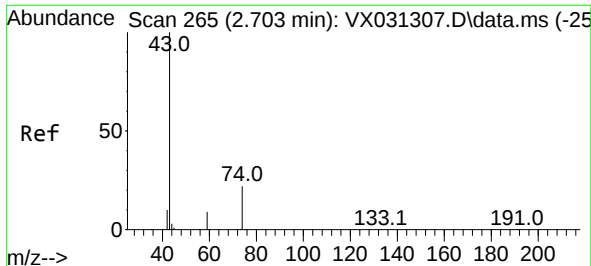
Tgt Ion: 43 Resp: 23806
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.8



#17
Carbon Disulfide
Concen: 0.903 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.005 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Tgt Ion: 76 Resp: 46
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

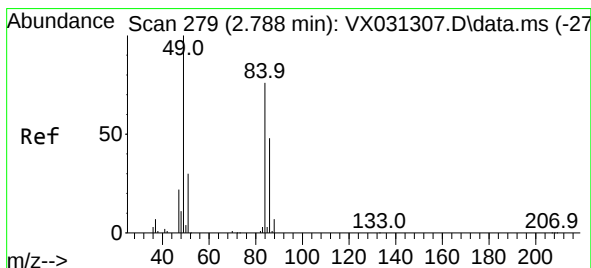
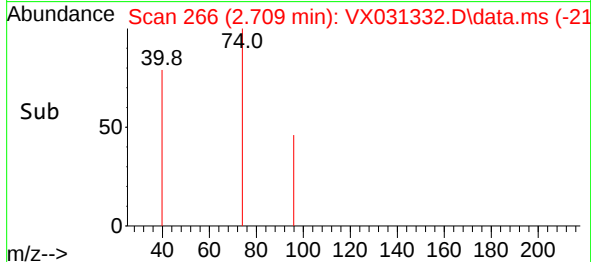
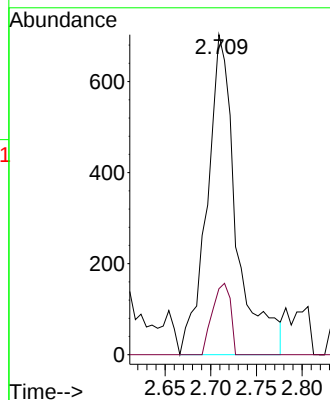
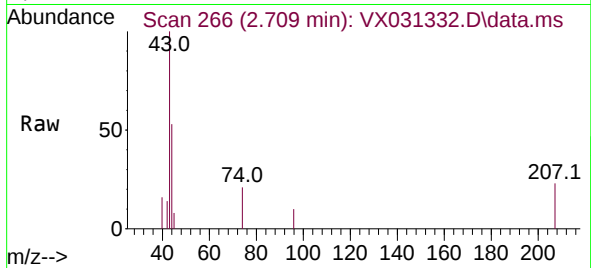




#18
Methyl Acetate
Concen: 0.875 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

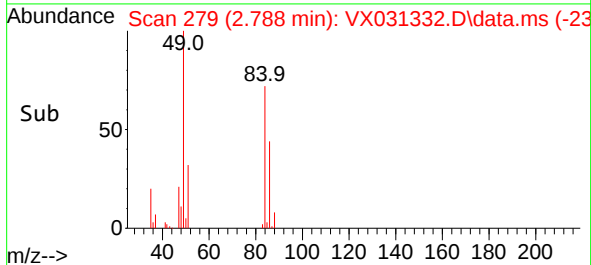
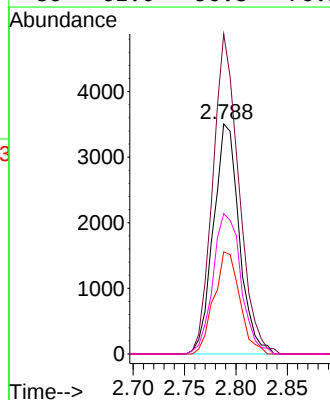
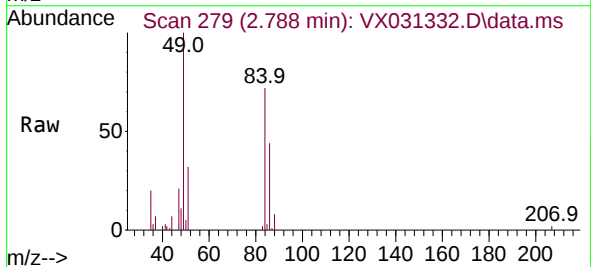
Instrument :
MSVOA_X
ClientSampleId :

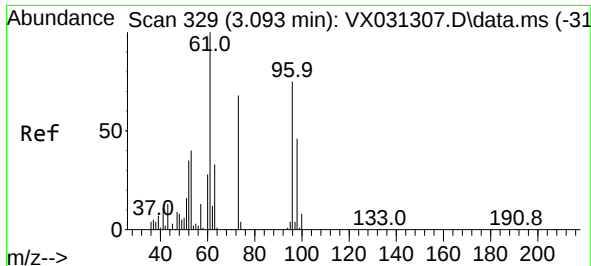
Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
74 13.6 18.6 27.8#



#20
Methylene Chloride
Concen: 4.295 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

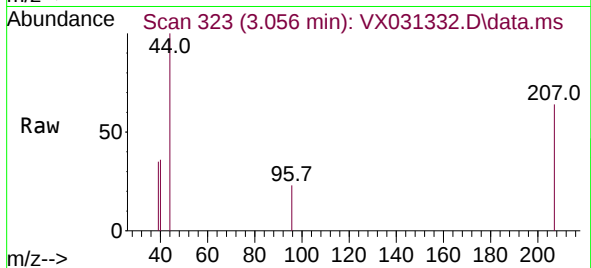
Tgt Ion: 84 Resp: 6137
Ion Ratio Lower Upper
84 100
49 139.1 105.9 158.9
51 44.4 32.2 48.2
86 61.0 50.8 76.2



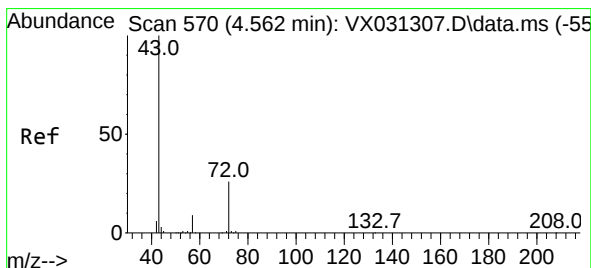
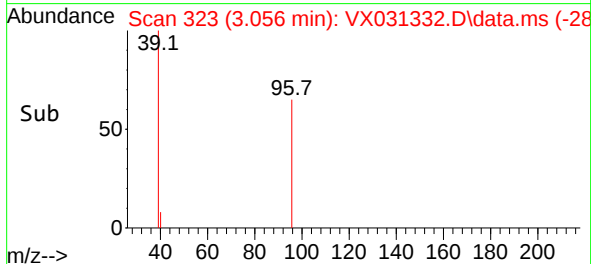
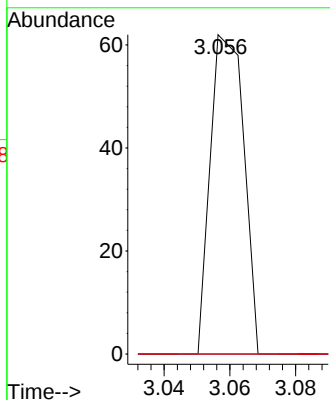


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.056 min Scan# 31
Delta R.T. -0.037 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Instrument :
MSVOA_X
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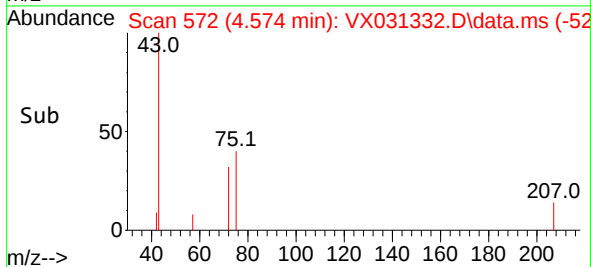
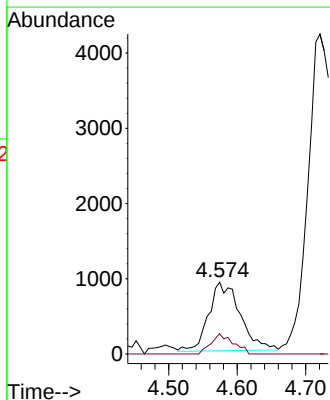
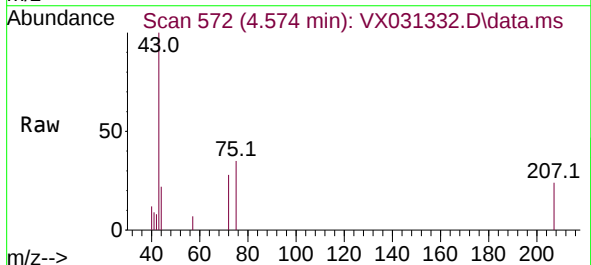


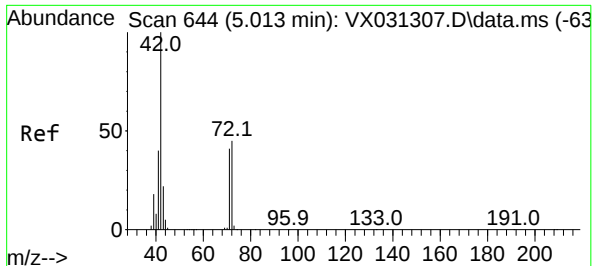
Tgt Ion: 96 Resp: 44
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 2.919 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
72 29.9 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.510 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

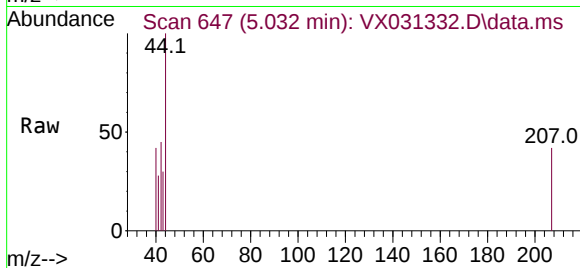
Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

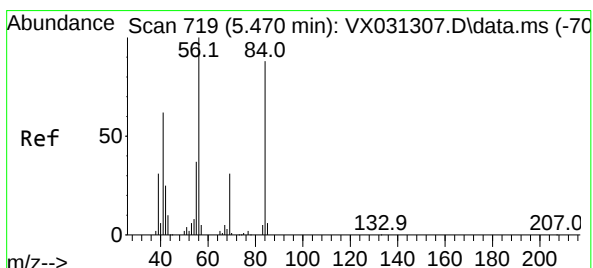
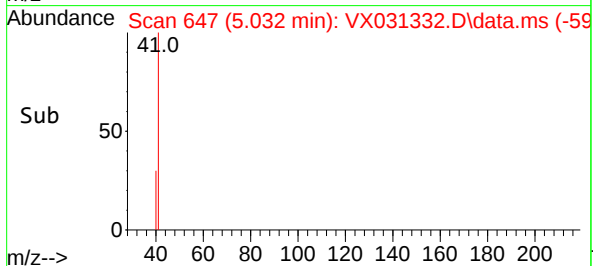
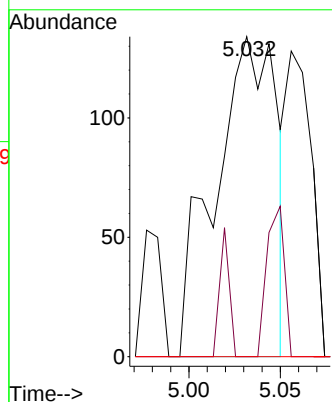
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	315
Ion Ratio	Lower	Upper	
42	100		
72	6.3	36.4	54.6#
71	0.0	33.5	50.3#



#31

Cyclohexane

Concen: 1.093 ug/l

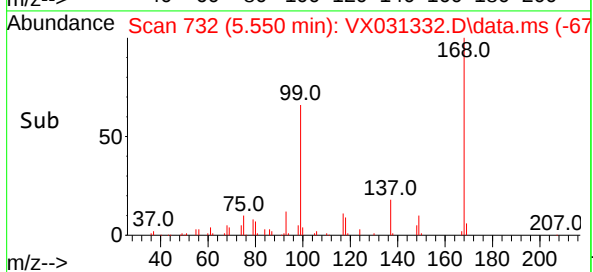
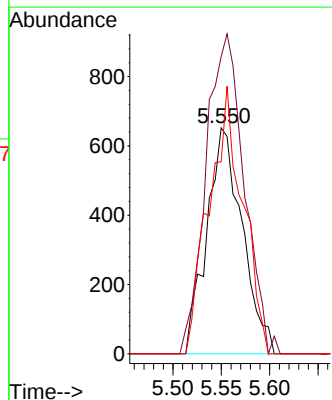
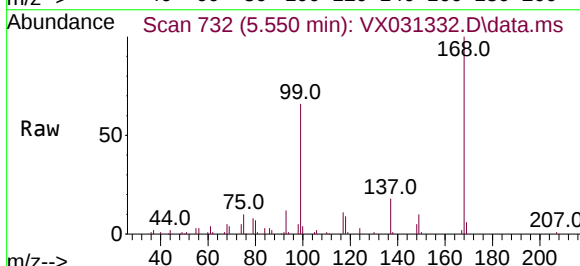
RT: 5.550 min Scan# 732

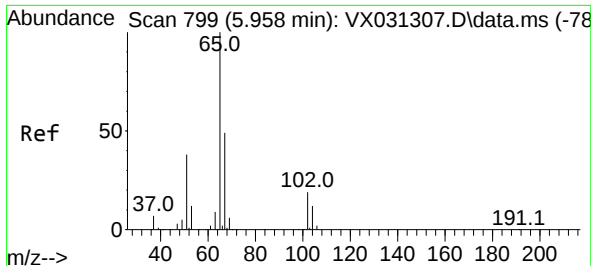
Delta R.T. 0.079 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Tgt Ion:	56	Resp:	1662
Ion Ratio	Lower	Upper	
56	100		
69	131.6	25.1	37.7#
84	85.0	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 43.148 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

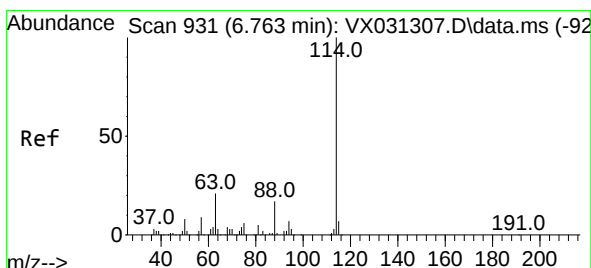
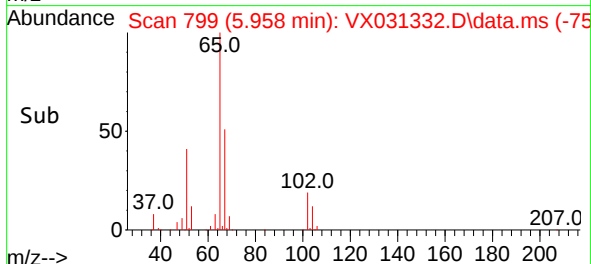
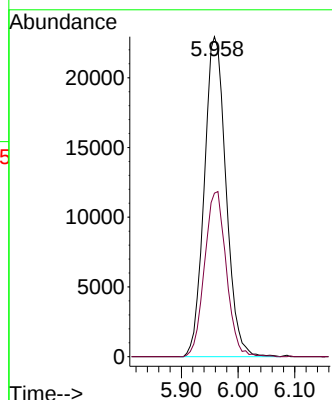
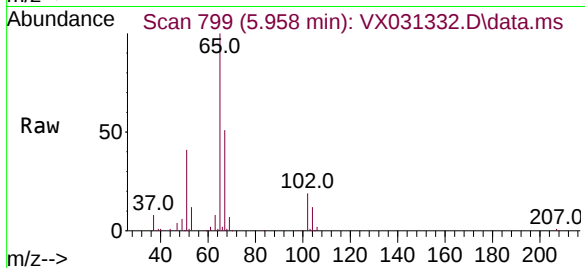
ClientSampleId :

Tgt Ion: 65 Resp: 61061

Ion Ratio Lower Upper

65 100

67 51.6 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: VX031332.D

Acq: 15 Sep 2022 01:43

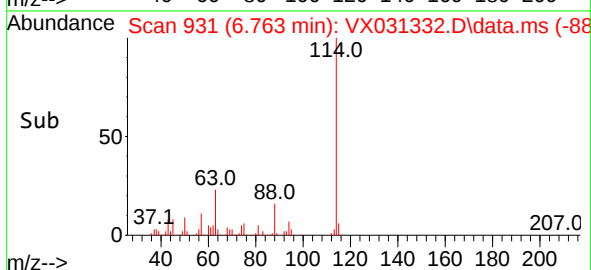
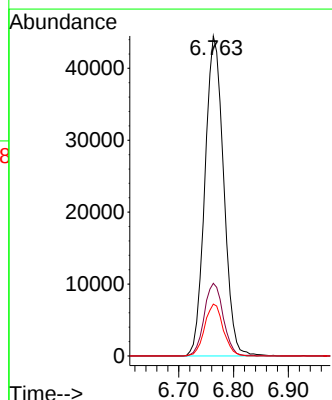
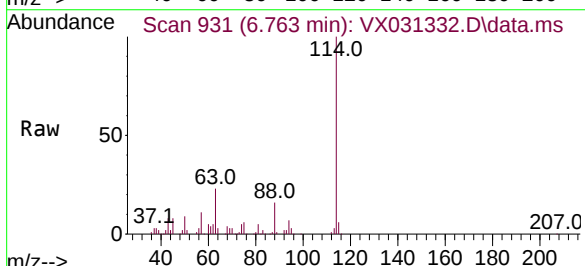
Tgt Ion: 114 Resp: 105334

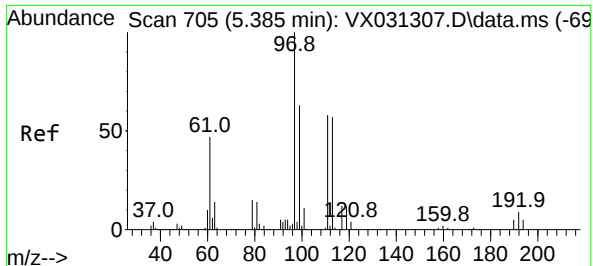
Ion Ratio Lower Upper

114 100

63 22.7 0.0 42.6

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 39.697 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

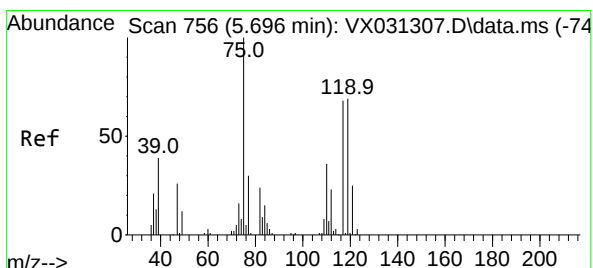
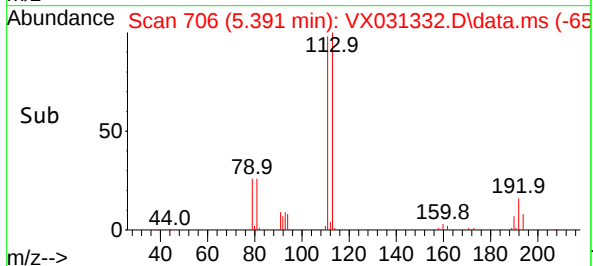
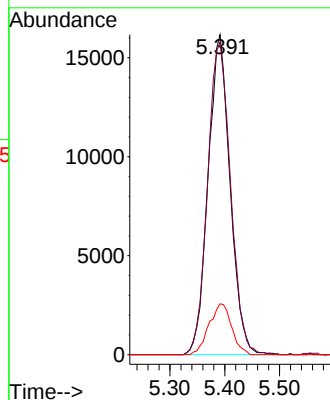
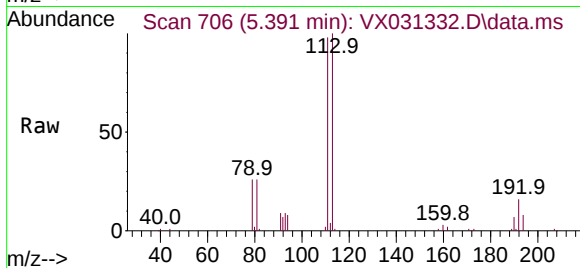
Tgt Ion:113 Resp: 44947

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 16.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.562 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

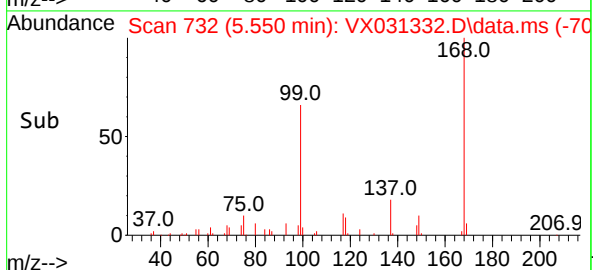
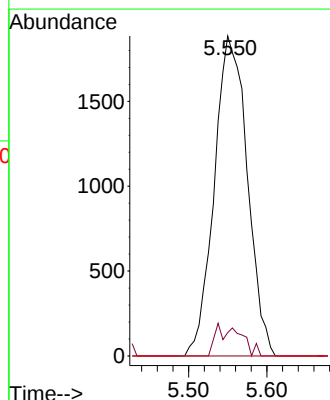
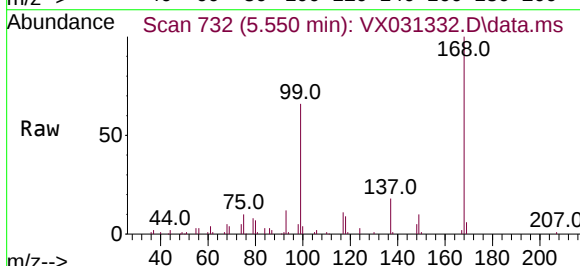
Tgt Ion: 75 Resp: 5520

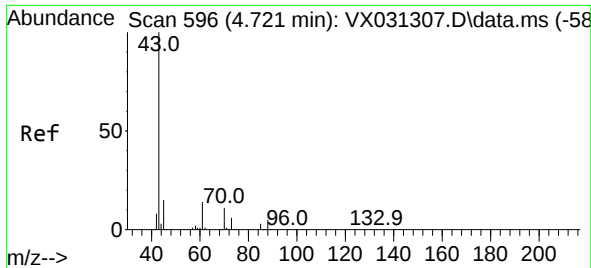
Ion Ratio Lower Upper

75 100

110 2.5 17.5 52.5#

77 0.0 24.9 37.3#

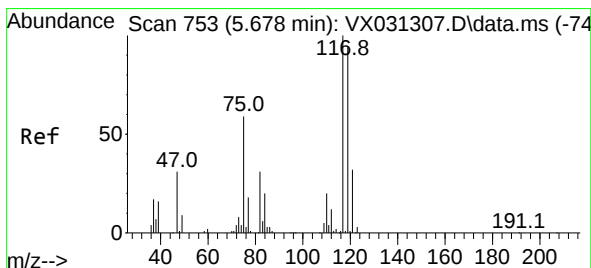
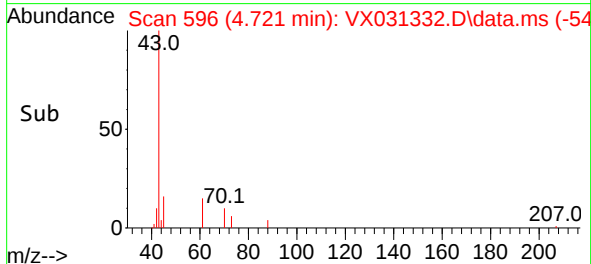
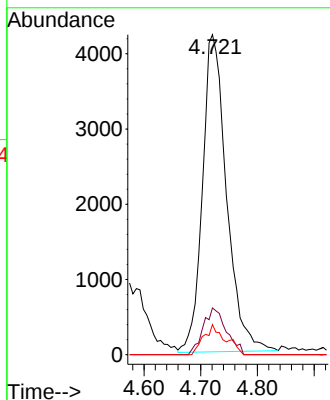
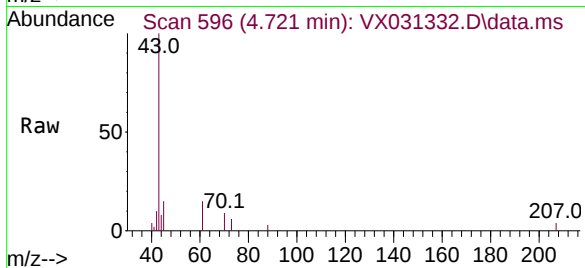




#37
Ethyl Acetate
Concen: 6.112 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.000 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

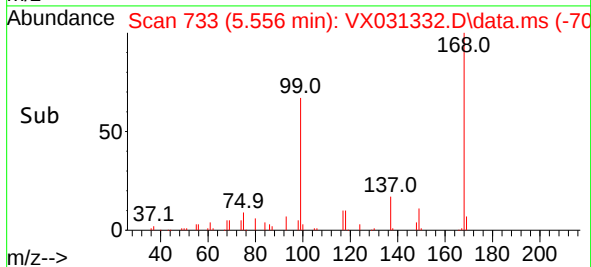
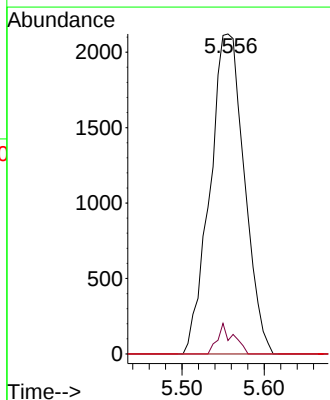
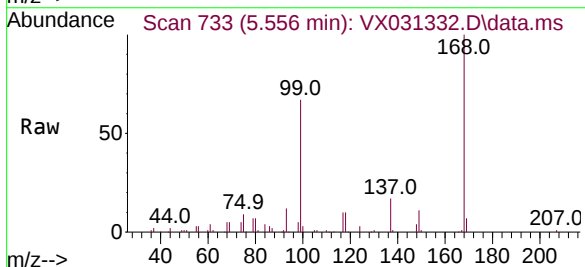
Instrument :
MSVOA_X
ClientSampleId :

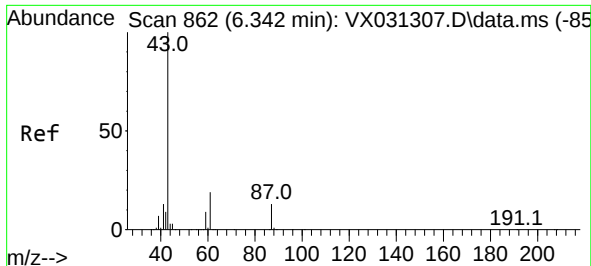
Tgt Ion: 43 Resp: 12448
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 8.5 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 3.655 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Tgt Ion: 117 Resp: 6157
Ion Ratio Lower Upper
117 100
119 4.2 74.6 112.0#
121 0.0 25.3 37.9#

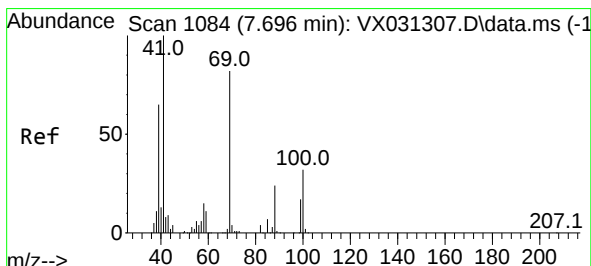
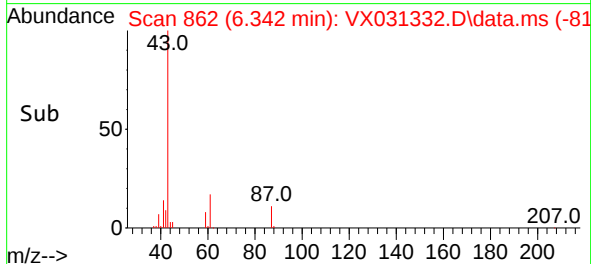
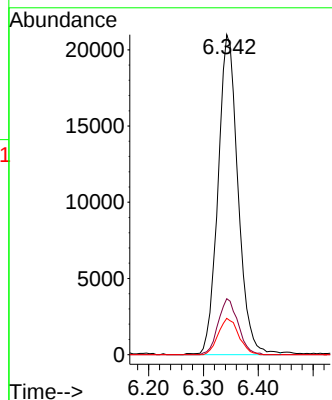
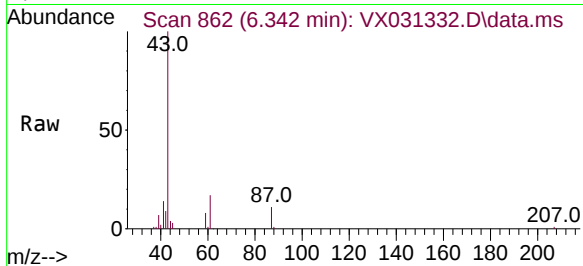




#43
Isopropyl Acetate
Concen: 15.317 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

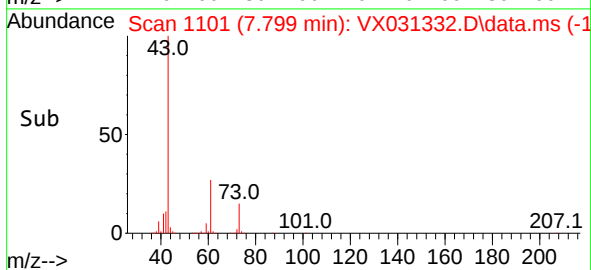
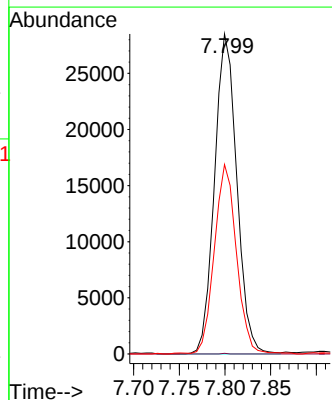
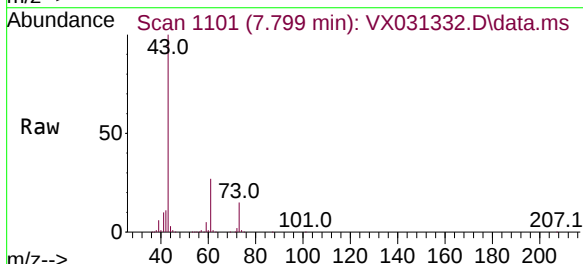
Instrument :
MSVOA_X
ClientSampleId :

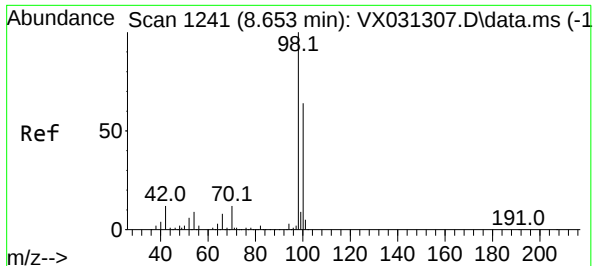
Tgt Ion: 43 Resp: 53247
Ion Ratio Lower Upper
43 100
61 17.4 15.3 22.9
87 11.5 10.6 15.8



#48
Methyl methacrylate
Concen: 30.524 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Tgt Ion: 41 Resp: 48305
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 59.0 51.4 77.0

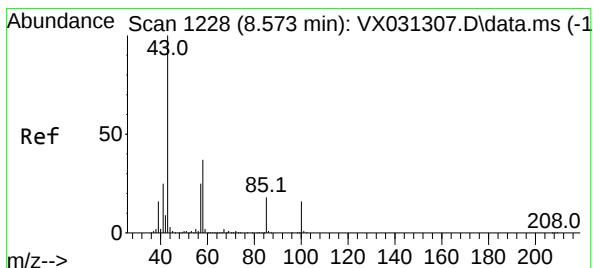
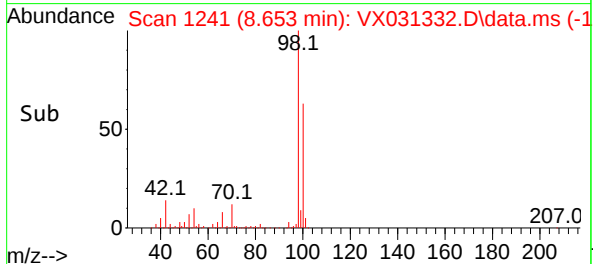
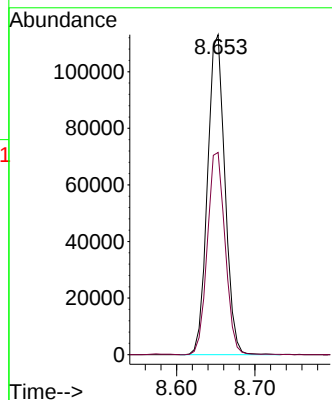
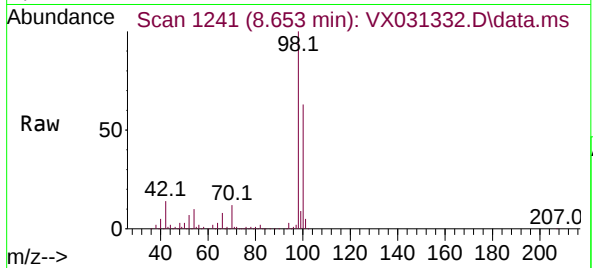




#50
Toluene-d8
Concen: 40.962 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

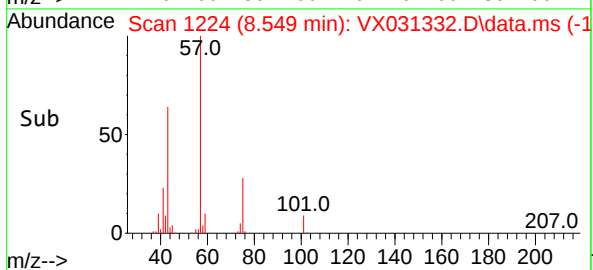
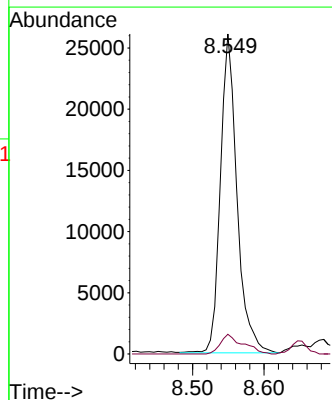
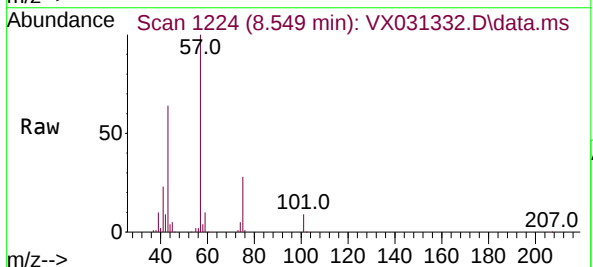
Instrument :
MSVOA_X
ClientSampleId :

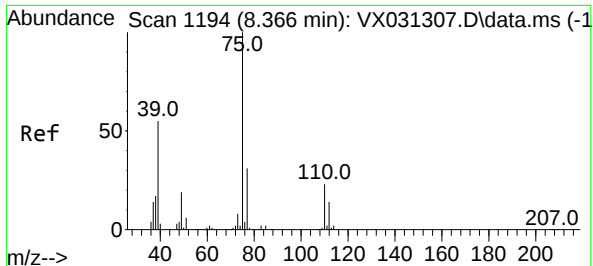
Tgt Ion: 98 Resp: 173977
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 19.872 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

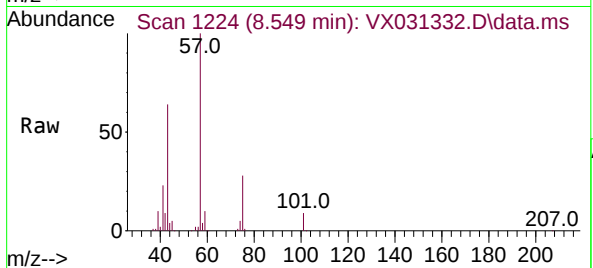
Tgt Ion: 43 Resp: 41990
Ion Ratio Lower Upper
43 100
58 8.3 30.6 46.0#



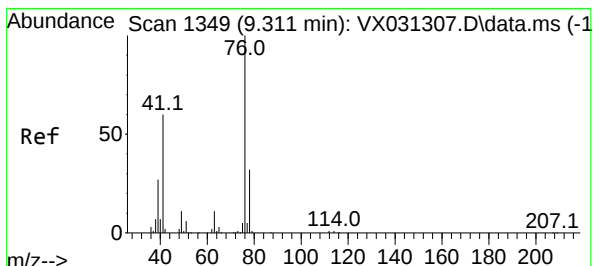
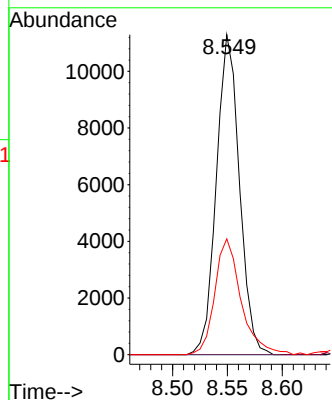
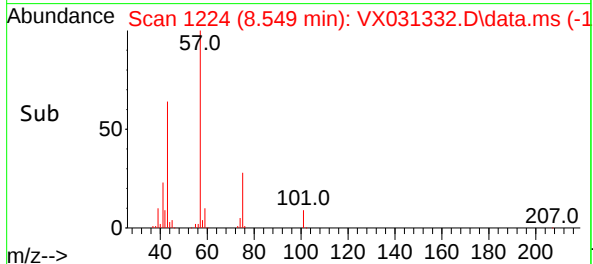


#54
 cis-1,3-Dichloropropene
 Concen: 7.962 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031332.D
 Acq: 15 Sep 2022 01:43

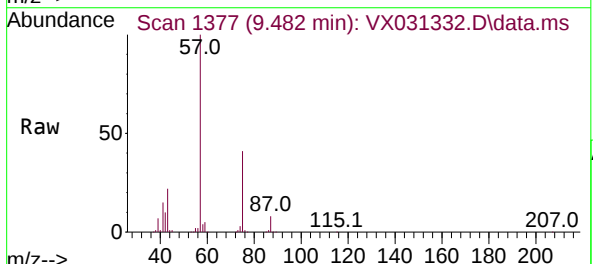
Instrument :
 MSVOA_X
 ClientSampleId :



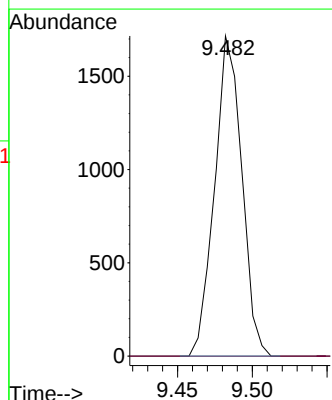
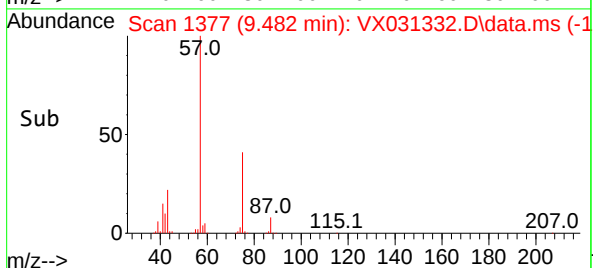
Tgt Ion: 75 Resp: 16547
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 36.2 43.7 65.5#

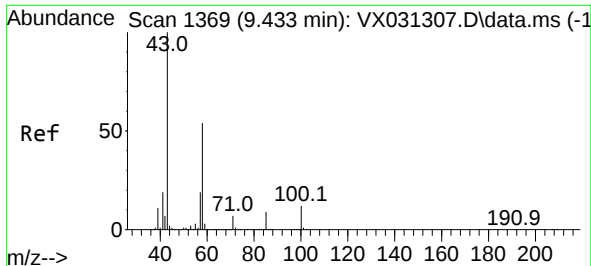


#57
 1,3-Dichloropropane
 Concen: 1.016 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031332.D
 Acq: 15 Sep 2022 01:43



Tgt Ion: 76 Resp: 2170
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#





#59

2-Hexanone

Concen: 20.151 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

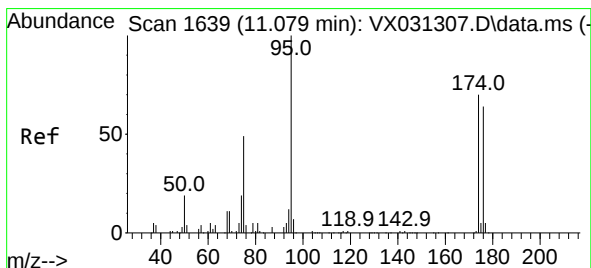
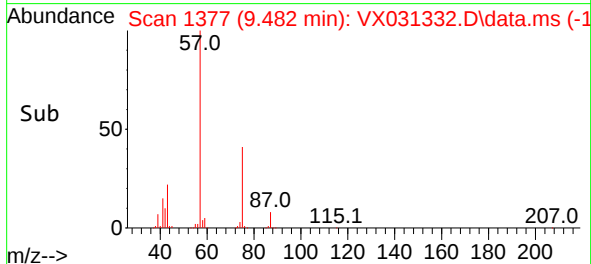
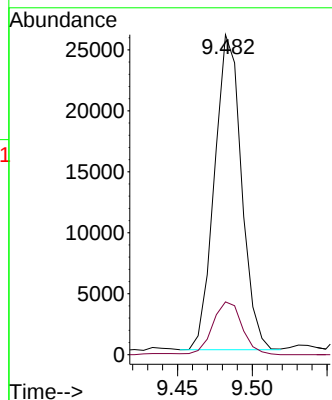
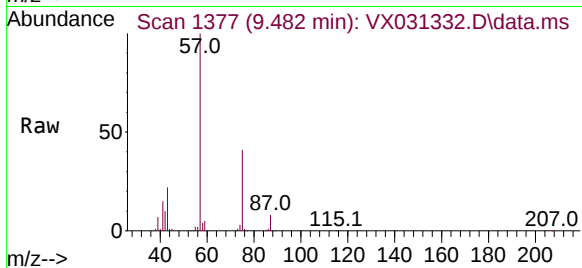
ClientSampleId :

Tgt Ion: 43 Resp: 32499

Ion Ratio Lower Upper

43 100

58 18.3 26.7 80.0#



#62

4-Bromofluorobenzene

Concen: 37.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

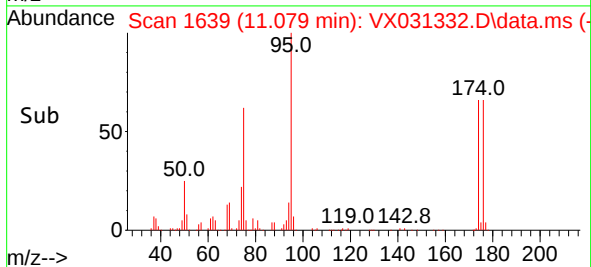
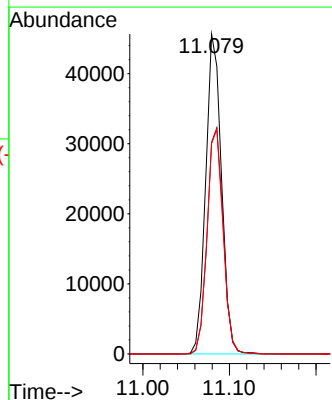
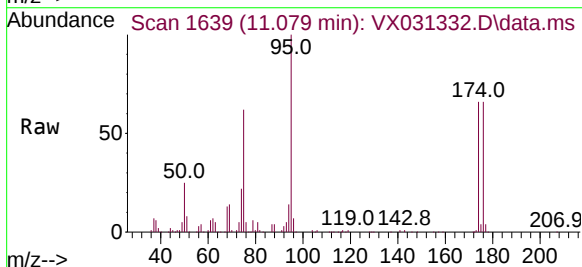
Tgt Ion: 95 Resp: 57772

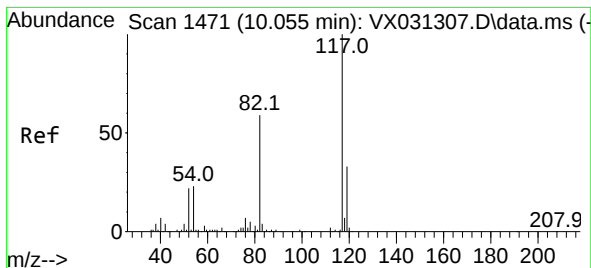
Ion Ratio Lower Upper

95 100

174 71.8 0.0 153.2

176 71.0 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: VX031332.D

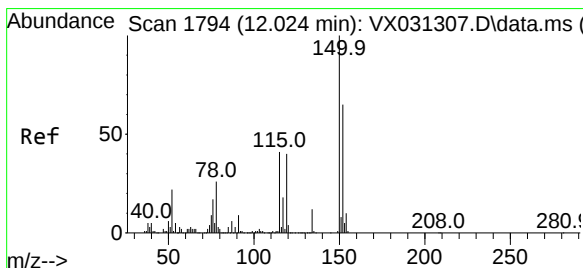
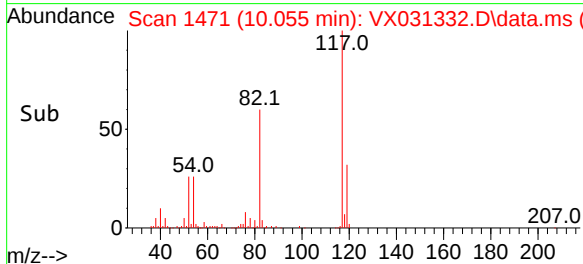
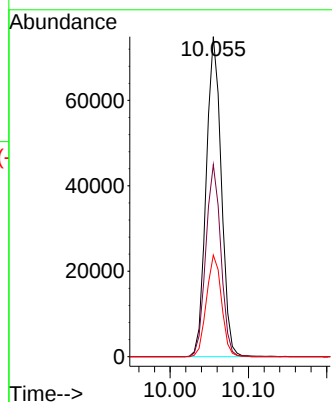
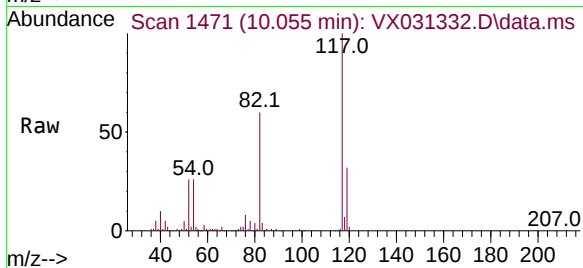
Acq: 15 Sep 2022 01:43

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	117	Resp:	100103
Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.8	70.2
119	31.7	26.4	39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

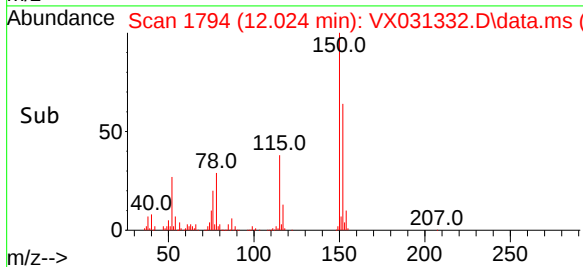
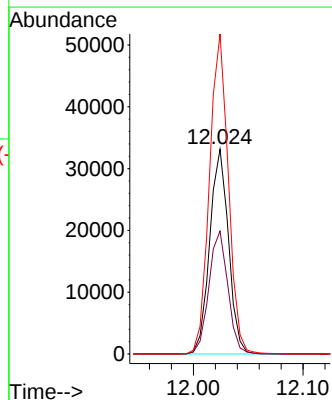
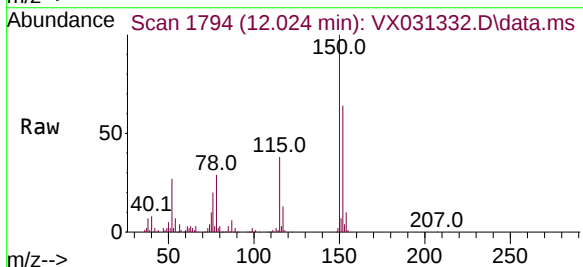
RT: 12.024 min Scan# 1794

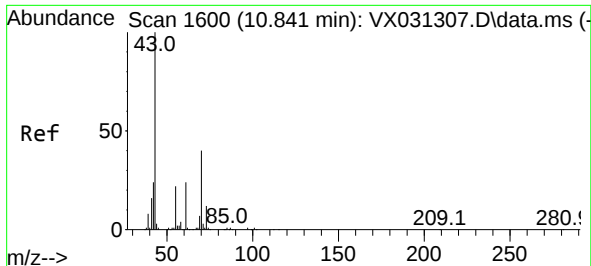
Delta R.T. 0.000 min

Lab File: VX031332.D

Acq: 15 Sep 2022 01:43

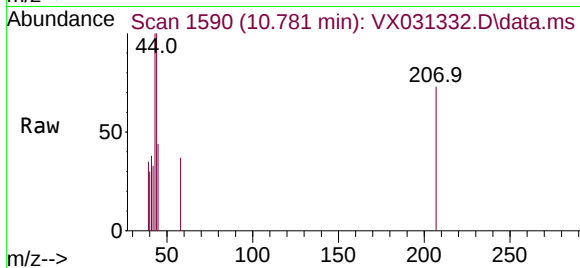
Tgt Ion:	152	Resp:	39432
Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.4	130.1
150	156.7	0.0	346.8



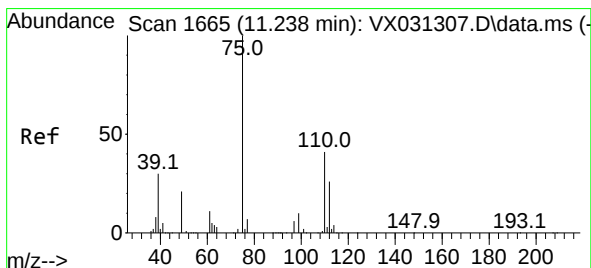
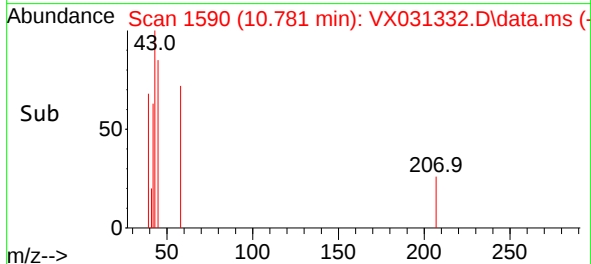
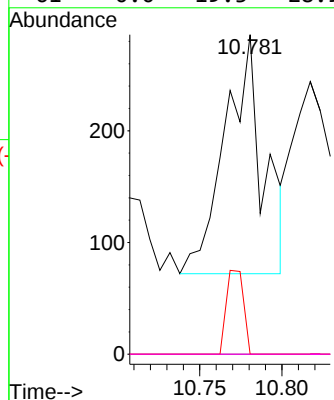


#74
N-amy1 acetate
Concen: 0.239 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

Instrument :
MSVOA_X
ClientSampleId :

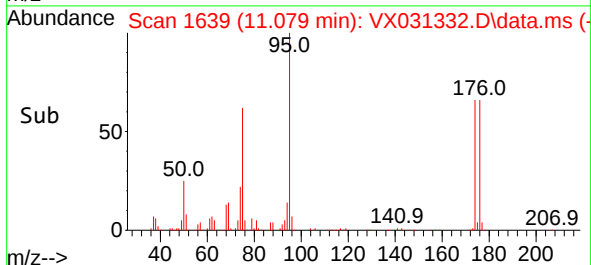
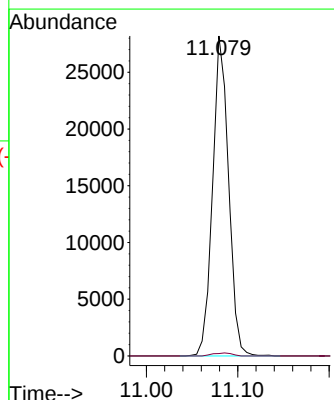
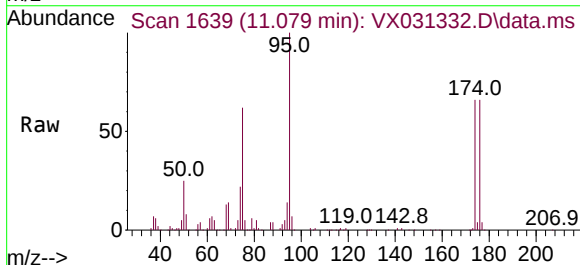


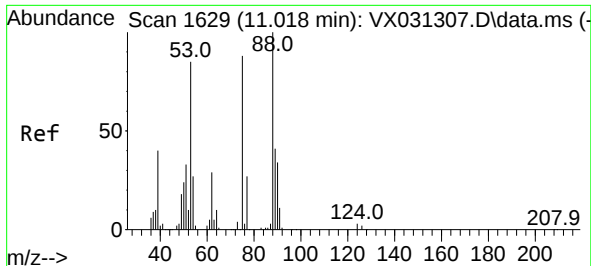
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 15.9 18.2 27.2#
61 0.0 19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 34.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031332.D
Acq: 15 Sep 2022 01:43

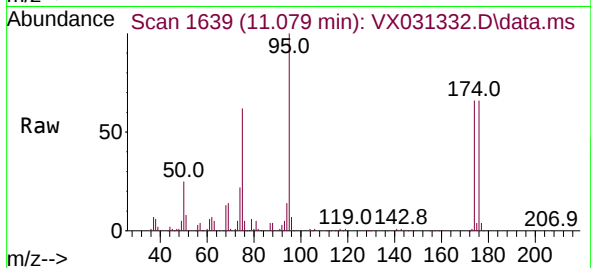
Tgt Ion: 75 Resp: 34163
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.130 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031332.D
 Acq: 15 Sep 2022 01:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34163
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

