

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031329.D
 Acq On : 15 Sep 2022 00:32
 Operator : JC/MD
 Sample : N4578-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 06:08:49 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)

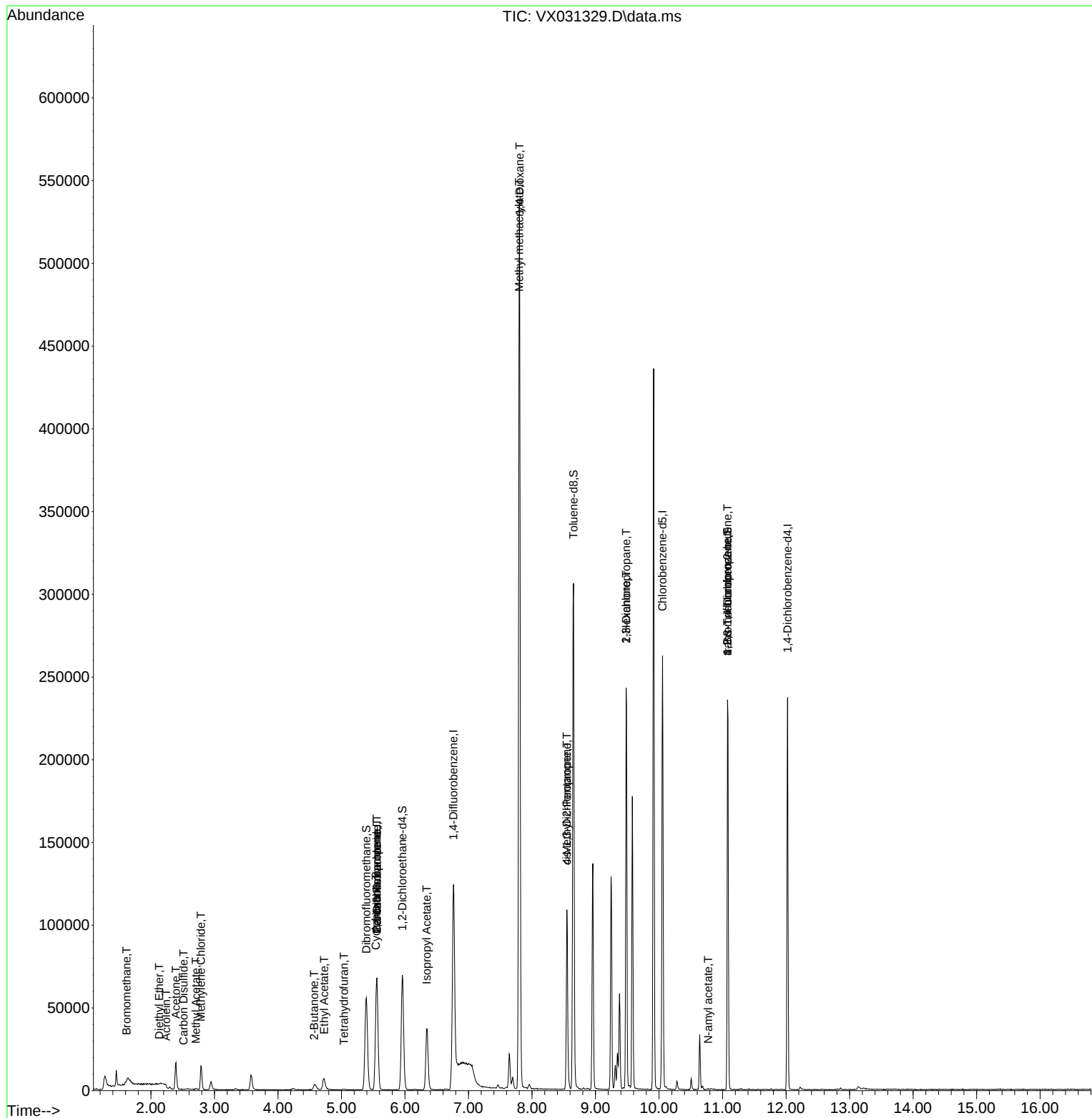
Internal Standards						
1) Pentafluorobenzene	5.556	168	59433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	108982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	102727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65023	44.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.140%		
35) Dibromofluoromethane	5.391	113	47011	40.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.260%		
50) Toluene-d8	8.653	98	175155	39.859	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	79.720%#		
62) 4-Bromofluorobenzene	11.079	95	58298	36.228	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	72.460%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	471	Below Cal	#	41
5) Bromomethane	1.617	94	182	0.234	ug/l #	70
8) Diethyl Ether	2.130	74	19	0.551	ug/l #	27
11) Tert butyl alcohol	2.940	59	3159	Below Cal	#	73
13) Acrolein	2.239	56	352	2.091	ug/l #	63
16) Acetone	2.392	43	18301	29.386	ug/l	97
17) Carbon Disulfide	2.514	76	27	0.893	ug/l #	75
18) Methyl Acetate	2.709	43	922	0.499	ug/l #	82
20) Methylene Chloride	2.788	84	5809	3.738	ug/l	96
21) trans-1,2-Dichloroethene	3.014	96	20	Below Cal	#	1
25) 2-Butanone	4.568	43	4032	3.925	ug/l #	87
29) Tetrahydrofuran	5.038	42	445	0.699	ug/l #	36
31) Cyclohexane	5.544	56	1769	1.129	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	5867	3.659	ug/l #	45
37) Ethyl Acetate	4.727	43	12503	5.934	ug/l	97
38) Carbon Tetrachloride	5.556	117	6647	3.814	ug/l #	18
43) Isopropyl Acetate	6.342	43	53237	14.801	ug/l	97
48) Methyl methacrylate	7.799	41	48134	29.398	ug/l #	45
49) 1,4-Dioxane	7.805	88	91	2.771	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	39267	17.961	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	16013	7.447	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	2020	0.914	ug/l #	43
59) 2-Hexanone	9.482	43	29682	17.788	ug/l #	50
74) N-amyl acetate	10.774	43	395	0.258	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	34025	32.415	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34025	89.692	ug/l #	11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
Data File : VX031329.D
Acq On : 15 Sep 2022 00:32
Operator : JC/MD
Sample : N4578-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 15 06:08:49 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

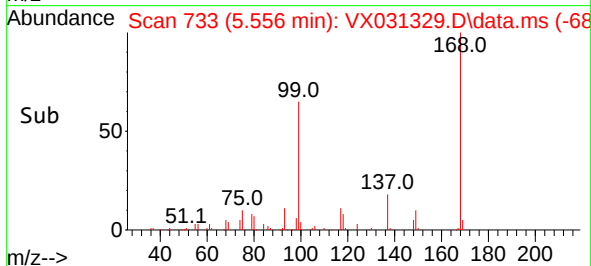
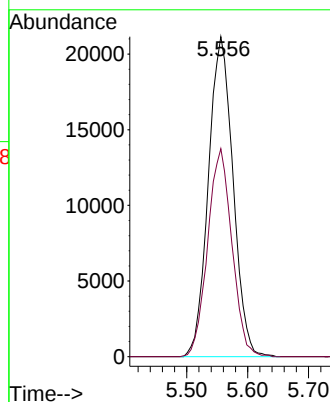
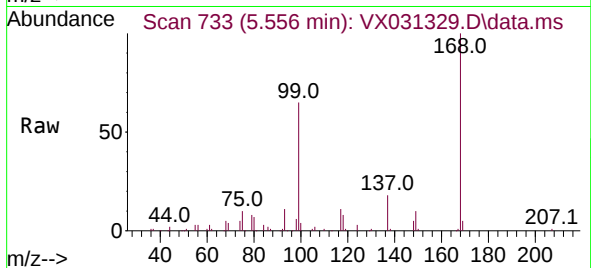




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

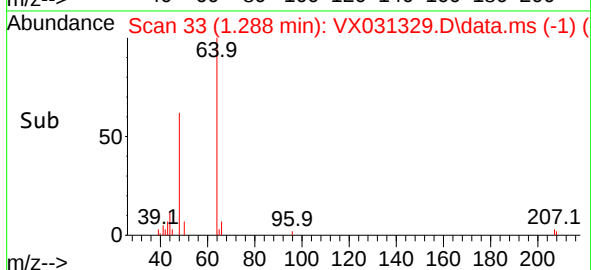
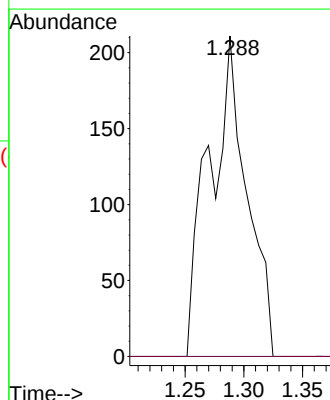
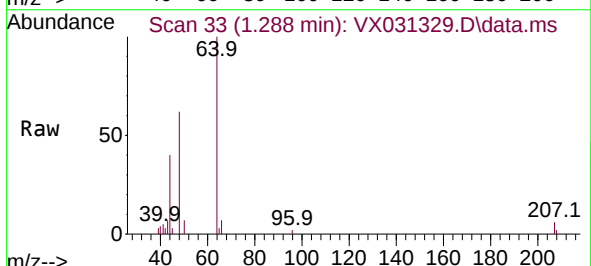
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 59433
Ion Ratio Lower Upper
168 100
99 65.0 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 50 Resp: 471
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

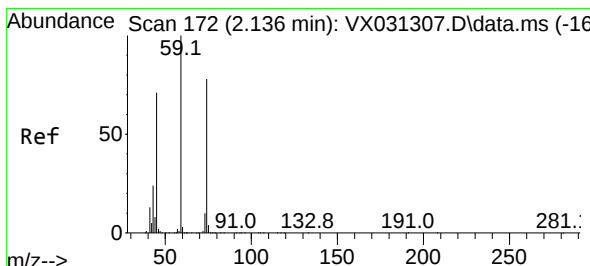
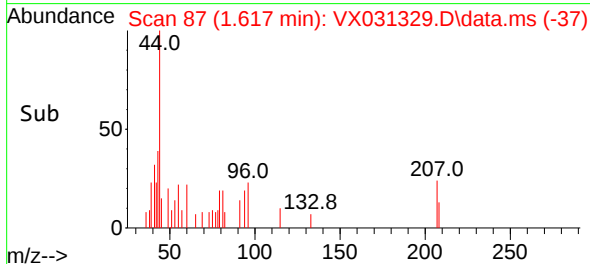
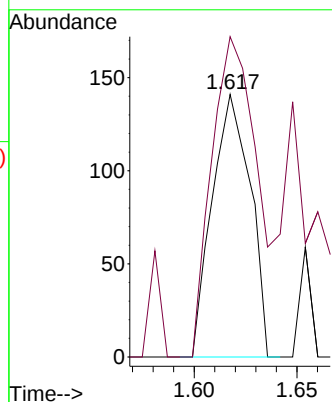
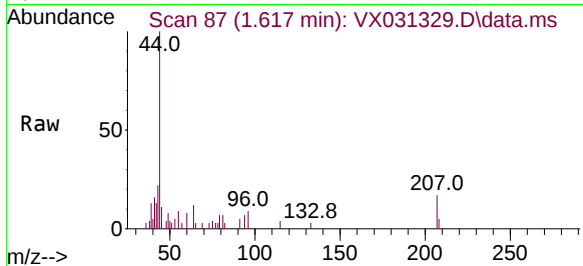




#5
Bromomethane
Concen: 0.234 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

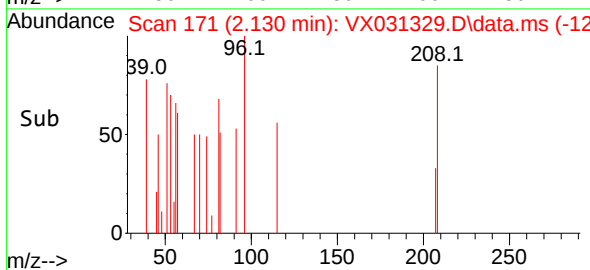
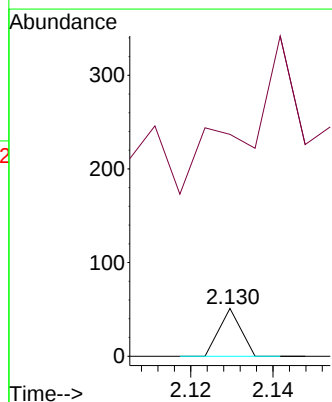
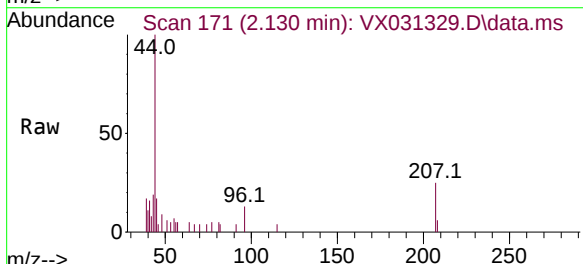
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 94 Resp: 182
Ion Ratio Lower Upper
94 100
96 122.0 74.4 111.6#



#8
Diethyl Ether
Concen: 0.551 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

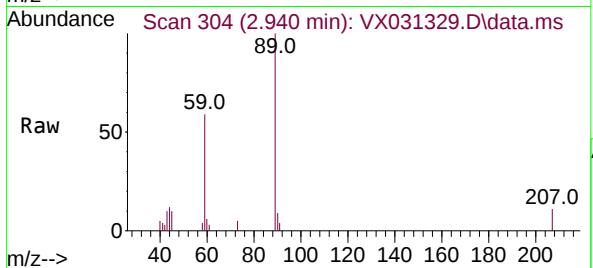
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 168.4 48.5 145.6#



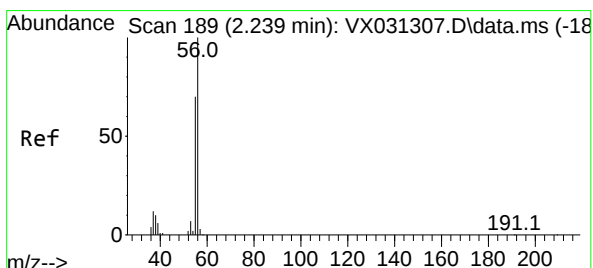
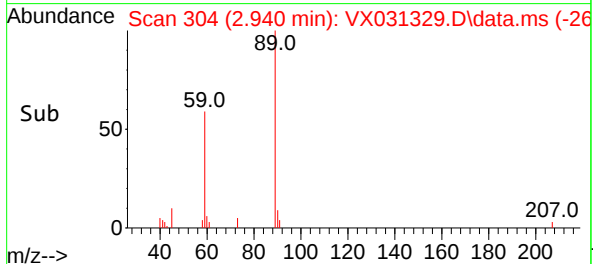
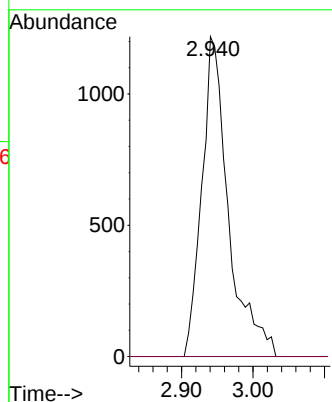


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.049 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Instrument :
MSVOA_X
ClientSampleId :

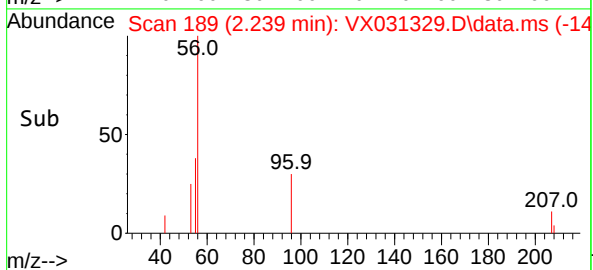
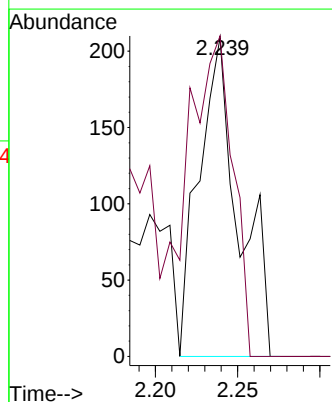
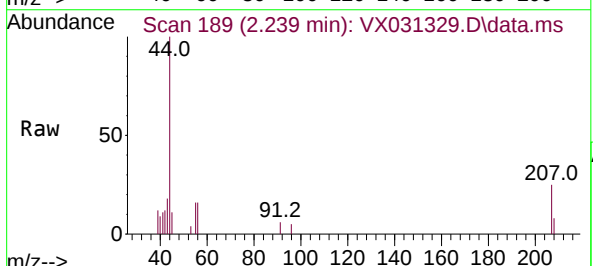


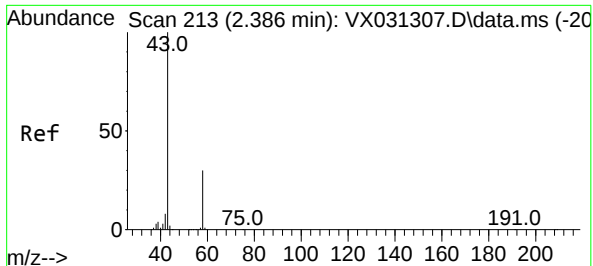
Tgt Ion: 59 Resp: 3159
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 2.091 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 56 Resp: 352
Ion Ratio Lower Upper
56 100
55 100.6 56.0 84.0#

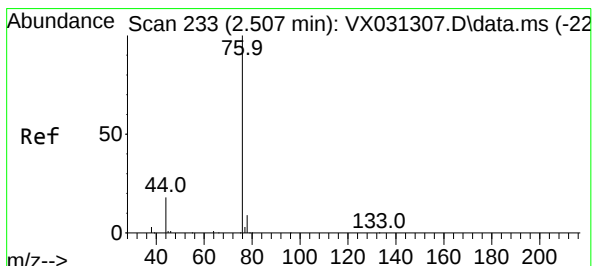
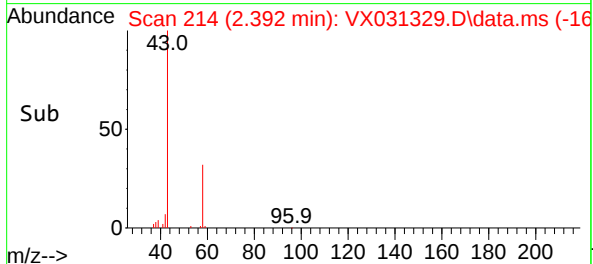
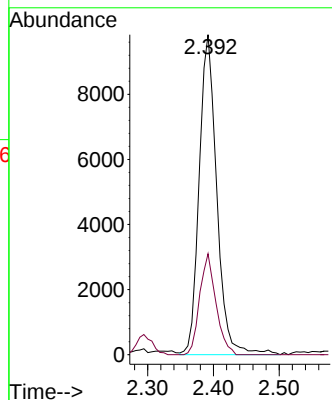
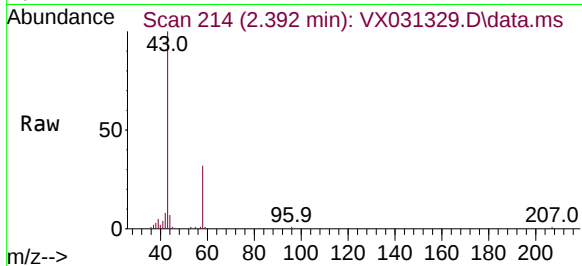




#16
Acetone
Concen: 29.386 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

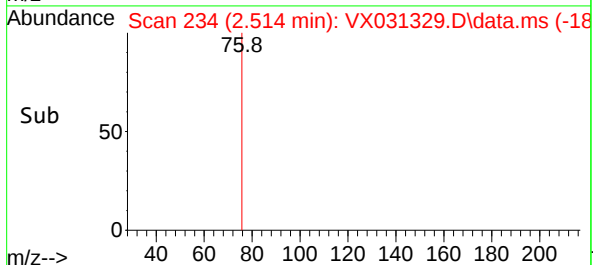
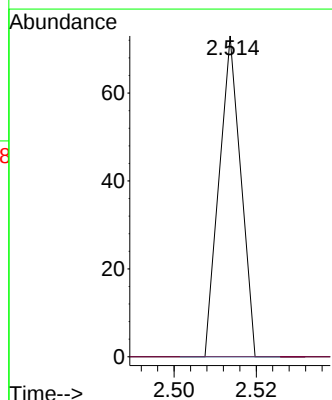
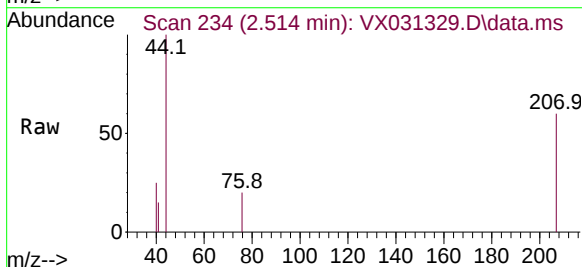
Instrument :
MSVOA_X
ClientSampleId :

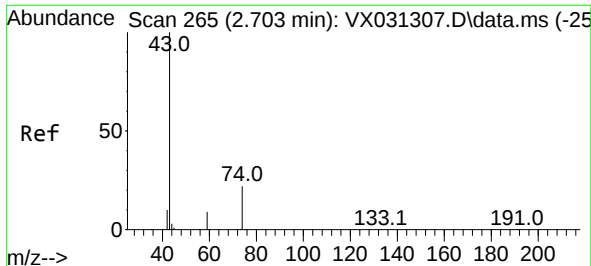
Tgt Ion: 43 Resp: 18301
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.8



#17
Carbon Disulfide
Concen: 0.893 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.007 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 76 Resp: 27
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 0.499 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

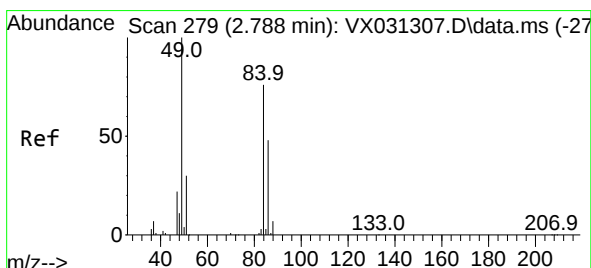
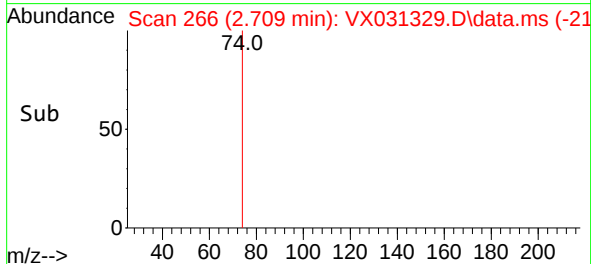
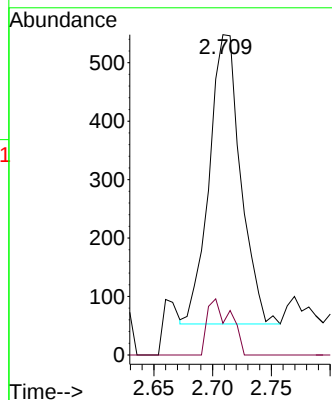
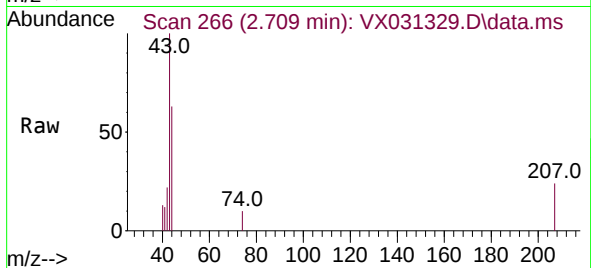
ClientSampleId :

Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

74 14.3 18.6 27.8#



#20

Methylene Chloride

Concen: 3.738 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Tgt Ion: 84 Resp: 5809

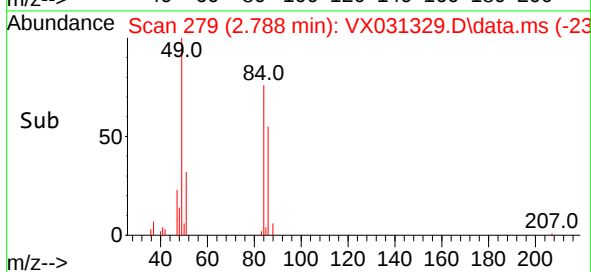
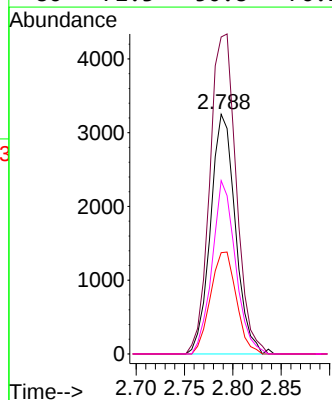
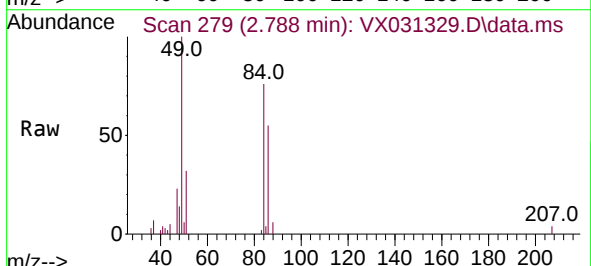
Ion Ratio Lower Upper

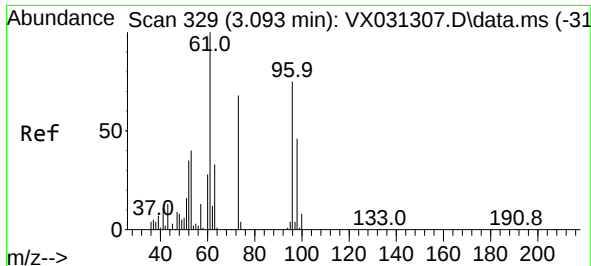
84 100

49 132.3 105.9 158.9

51 42.3 32.2 48.2

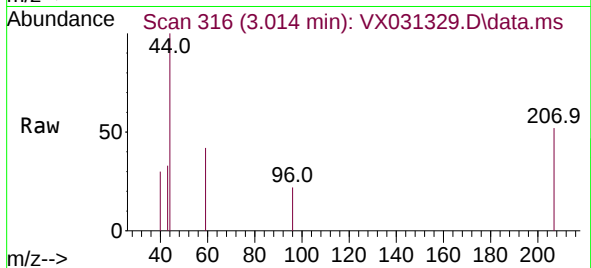
86 72.3 50.8 76.2



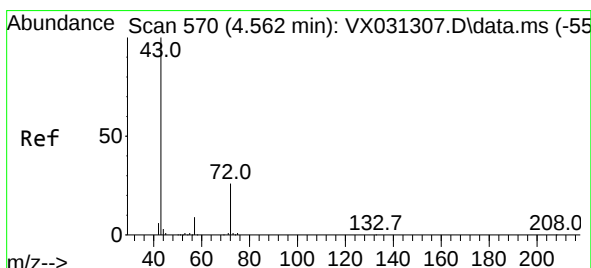
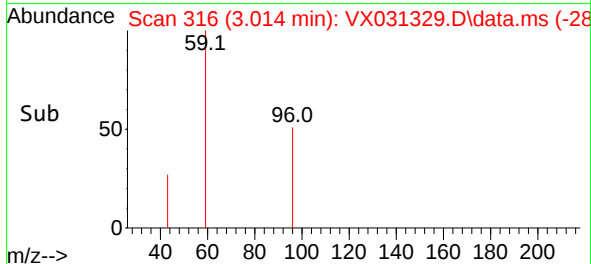
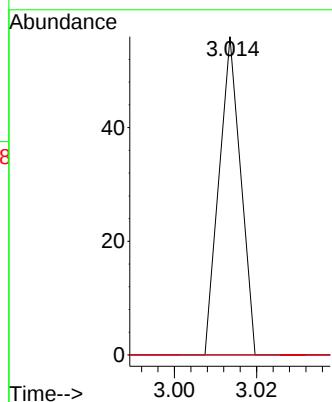


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.014 min Scan# 31
Delta R.T. -0.079 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Instrument :
MSVOA_X
ClientSampleId :

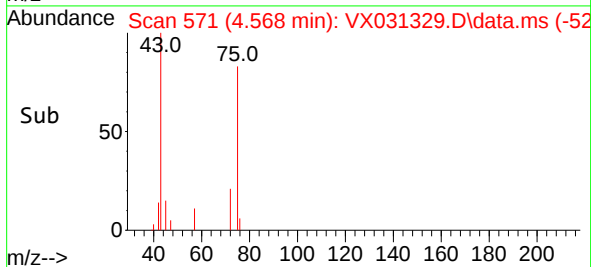
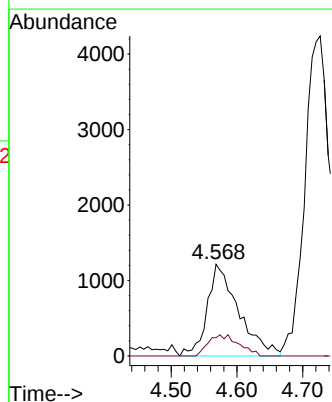
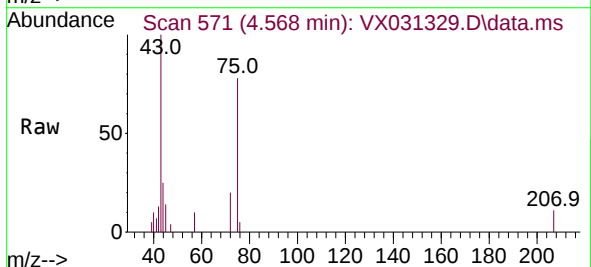


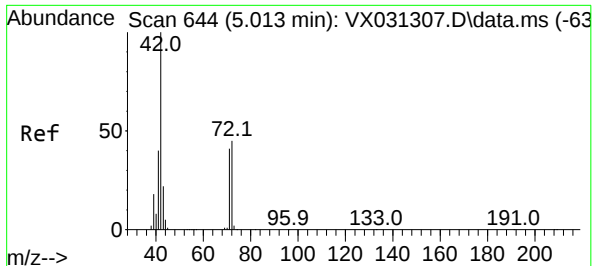
Tgt Ion: 96 Resp: 20
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 3.925 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
72 19.9 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.699 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.024 min

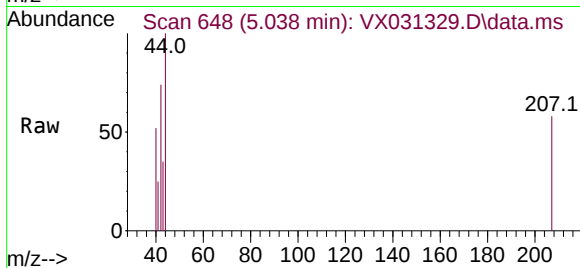
Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

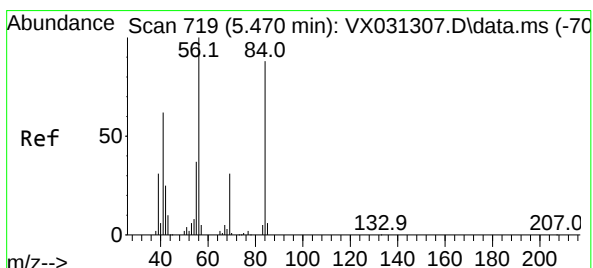
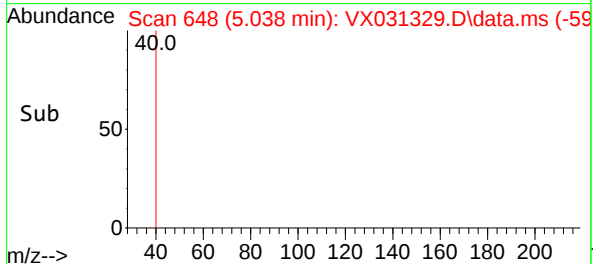
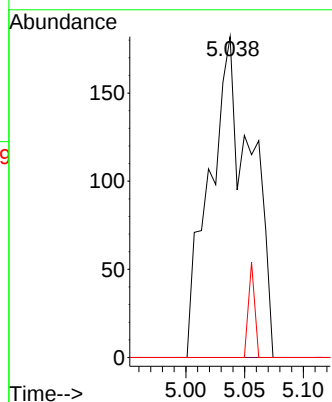
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	445
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	4.5	33.5	50.3#



#31

Cyclohexane

Concen: 1.129 ug/l

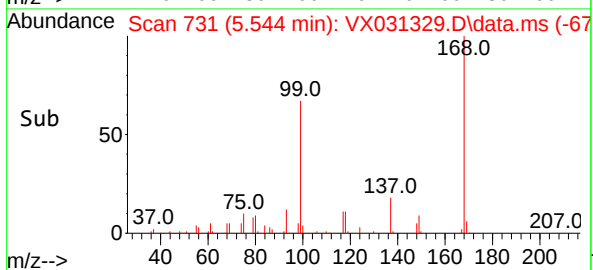
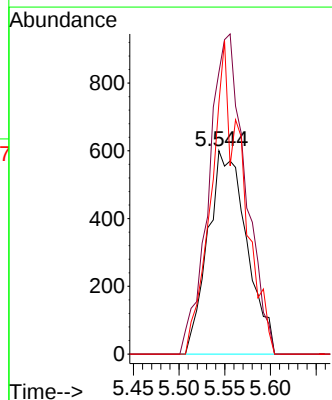
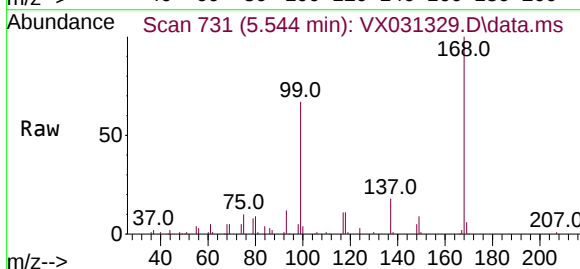
RT: 5.544 min Scan# 731

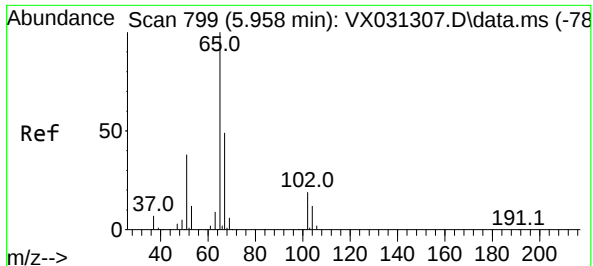
Delta R.T. 0.073 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Tgt Ion:	56	Resp:	1769
Ion	Ratio	Lower	Upper
56	100		
69	138.7	25.1	37.7#
84	123.7	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 44.573 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

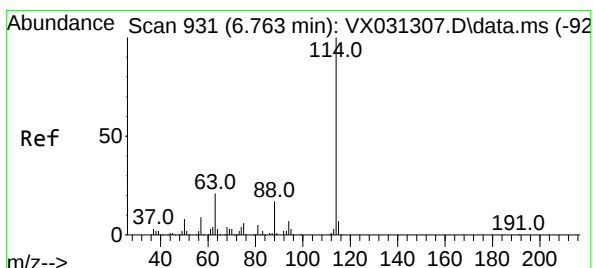
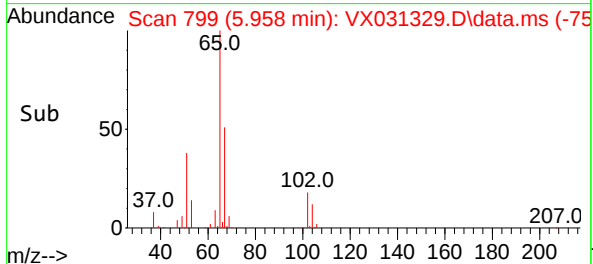
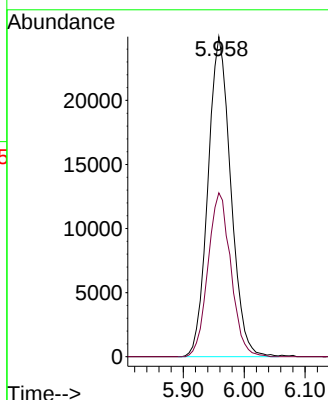
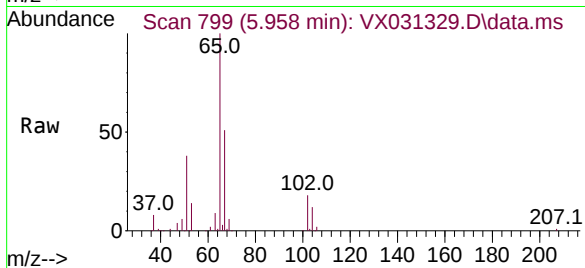
ClientSampleId :

Tgt Ion: 65 Resp: 65023

Ion Ratio Lower Upper

65 100

67 51.2 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: VX031329.D

Acq: 15 Sep 2022 00:32

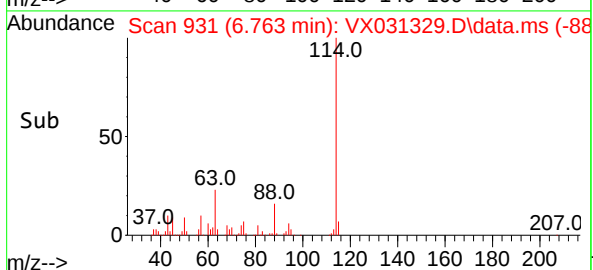
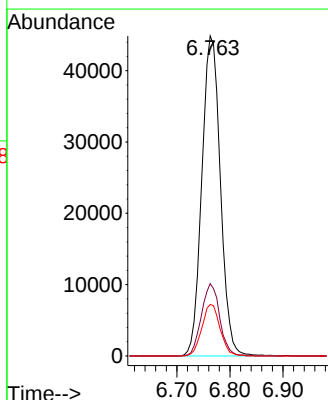
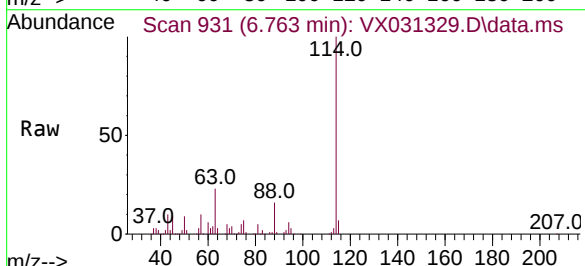
Tgt Ion: 114 Resp: 108982

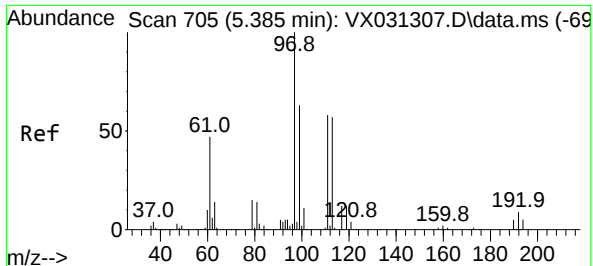
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.6

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 40.130 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

ClientSampleId :

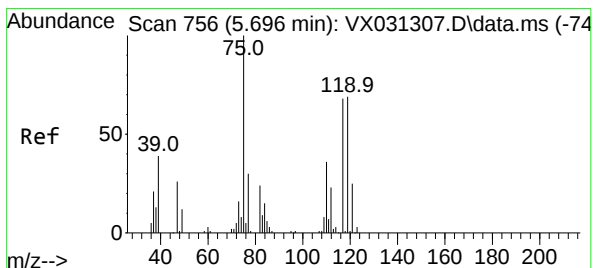
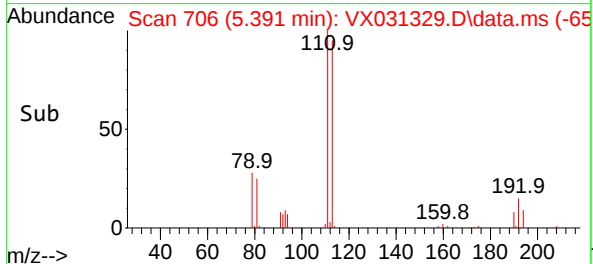
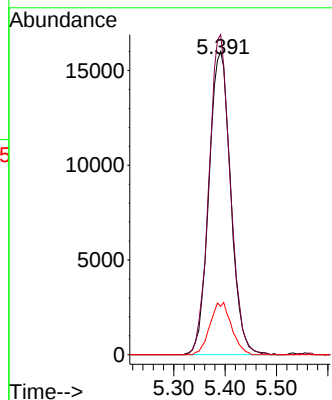
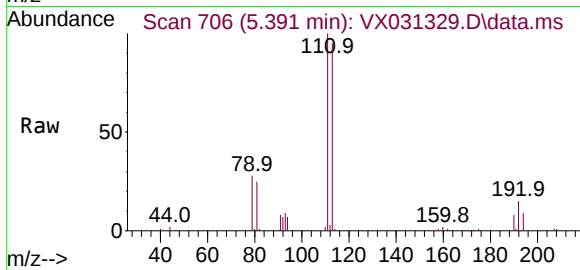
Tgt Ion:113 Resp: 47011

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

192 17.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.659 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

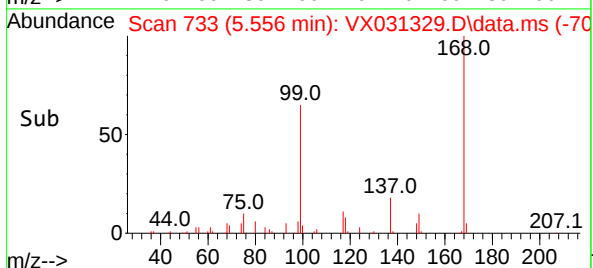
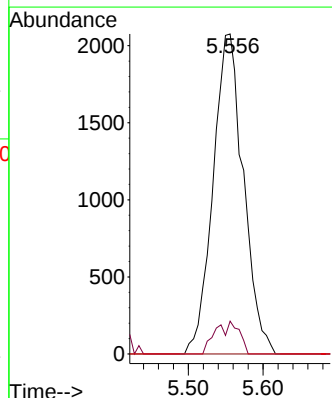
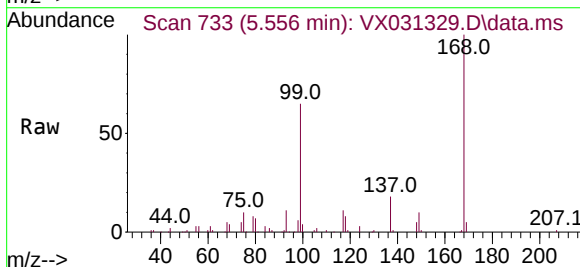
Tgt Ion: 75 Resp: 5867

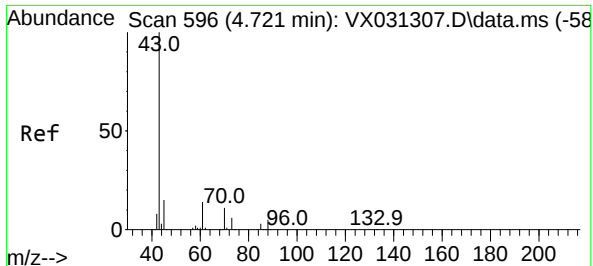
Ion Ratio Lower Upper

75 100

110 4.2 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.934 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

ClientSampleId :

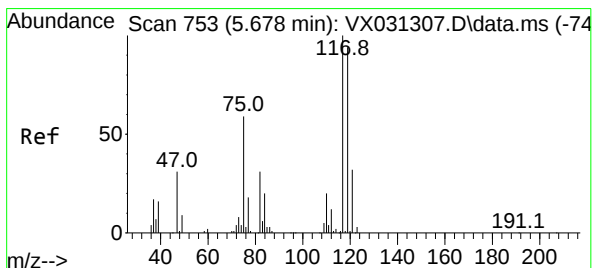
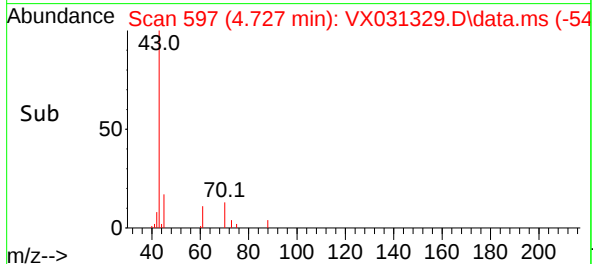
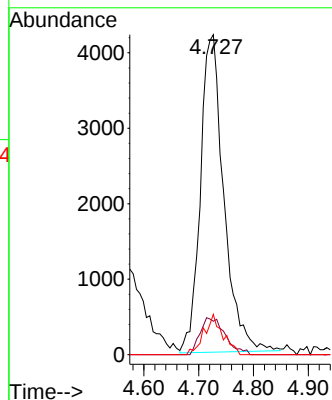
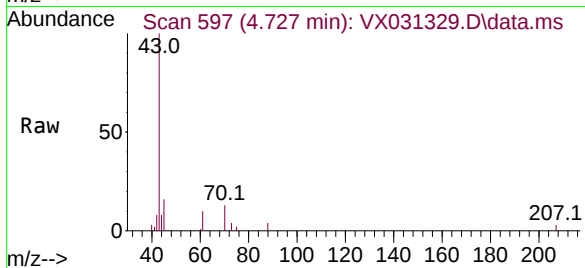
Tgt Ion: 43 Resp: 12503

Ion Ratio Lower Upper

43 100

61 12.4 11.1 16.7

70 10.1 8.6 13.0



#38

Carbon Tetrachloride

Concen: 3.814 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

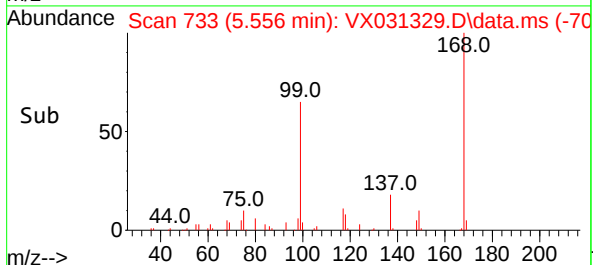
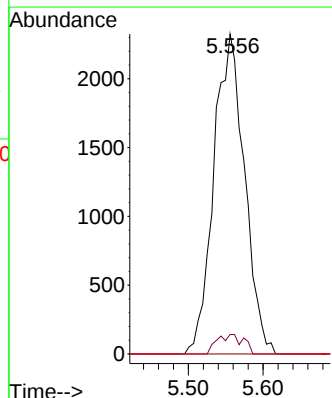
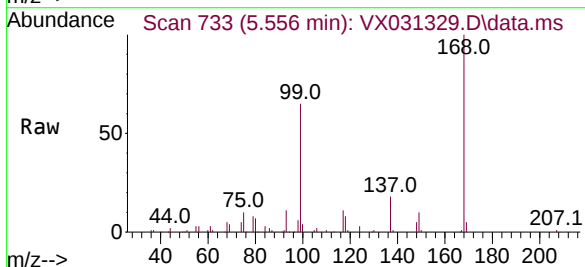
Tgt Ion: 117 Resp: 6647

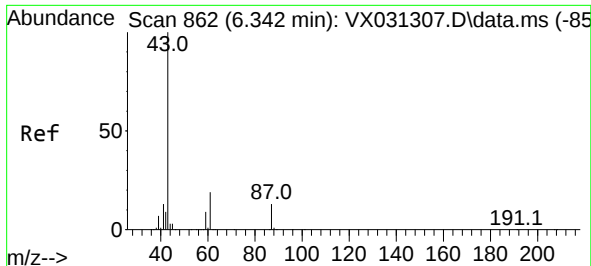
Ion Ratio Lower Upper

117 100

119 6.1 74.6 112.0#

121 0.0 25.3 37.9#

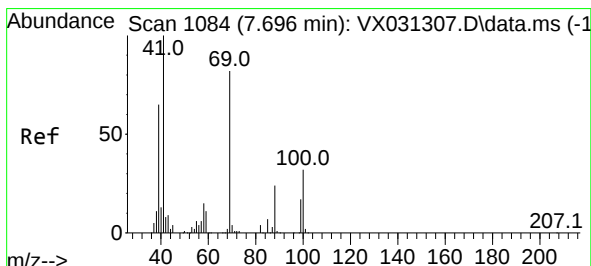
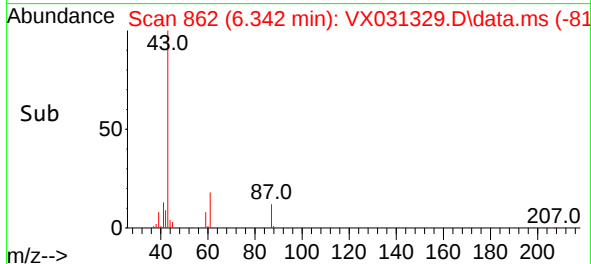
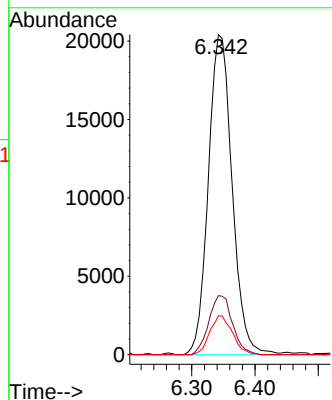
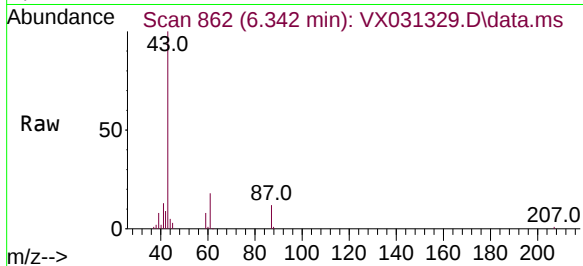




#43
Isopropyl Acetate
Concen: 14.801 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

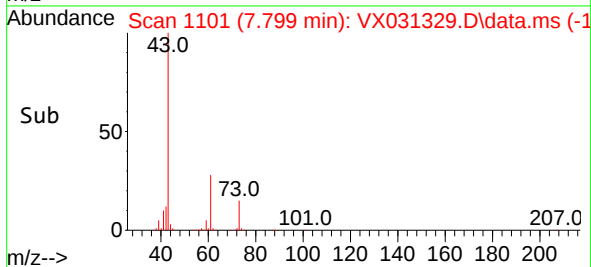
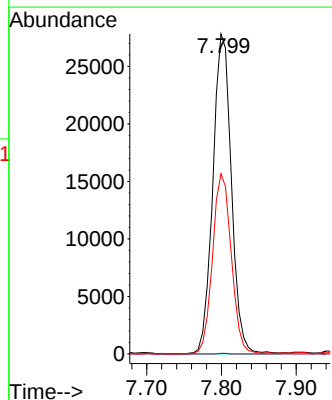
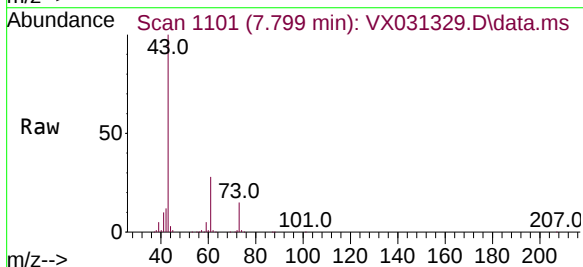
Instrument :
MSVOA_X
ClientSampleId :

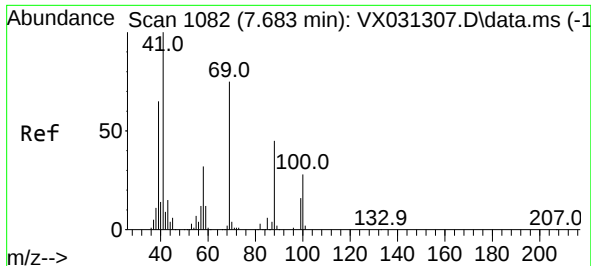
Tgt Ion: 43 Resp: 53237
Ion Ratio Lower Upper
43 100
61 18.4 15.3 22.9
87 11.6 10.6 15.8



#48
Methyl methacrylate
Concen: 29.398 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 41 Resp: 48134
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 56.8 51.4 77.0





#49

1,4-Dioxane

Concen: 2.771 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.122 min

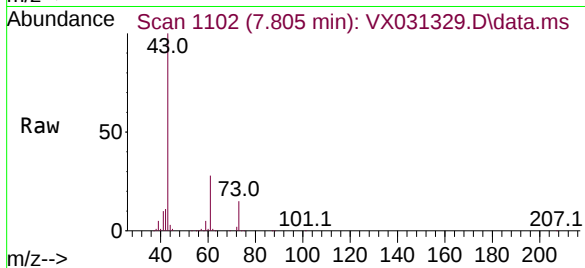
Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

ClientSampleId :



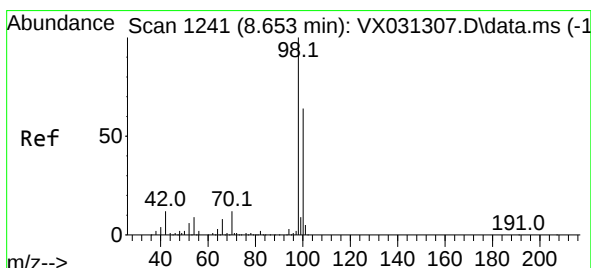
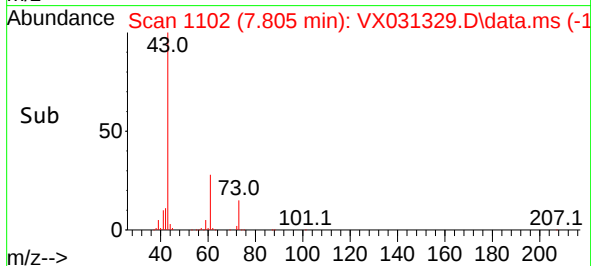
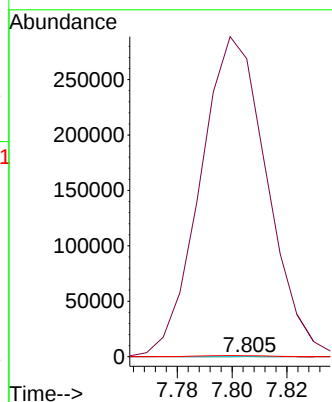
Tgt Ion: 88 Resp: 91

Ion Ratio Lower Upper

88 100

43 541547.3 27.1 40.7#

58 2073.6 53.9 80.9#



#50

Toluene-d8

Concen: 39.859 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX031329.D

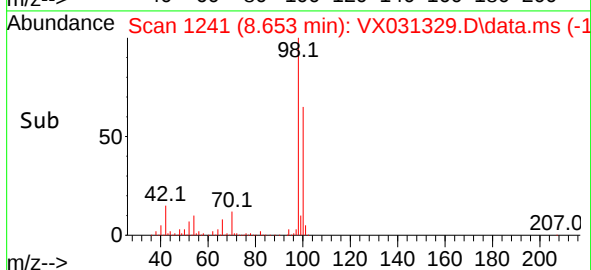
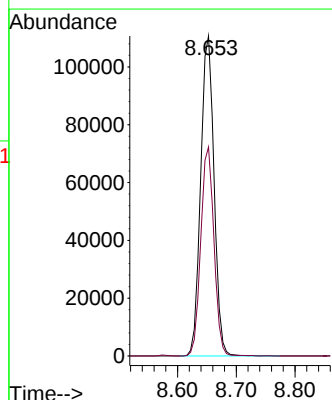
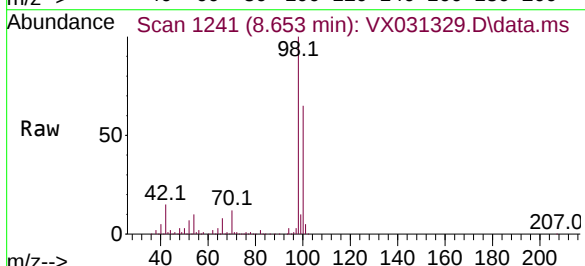
Acq: 15 Sep 2022 00:32

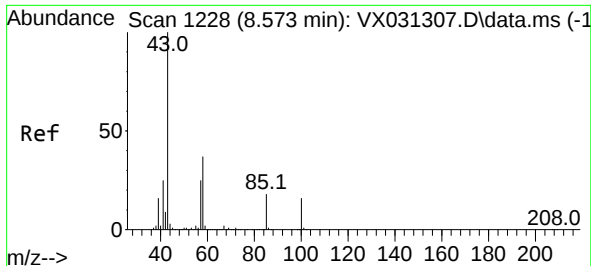
Tgt Ion: 98 Resp: 175155

Ion Ratio Lower Upper

98 100

100 64.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 17.961 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

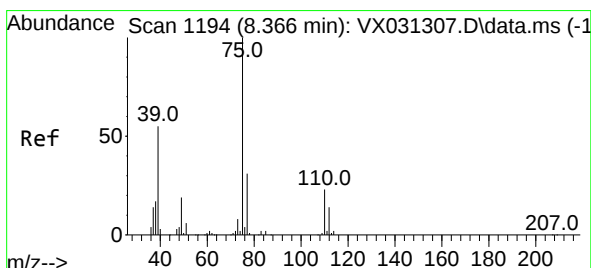
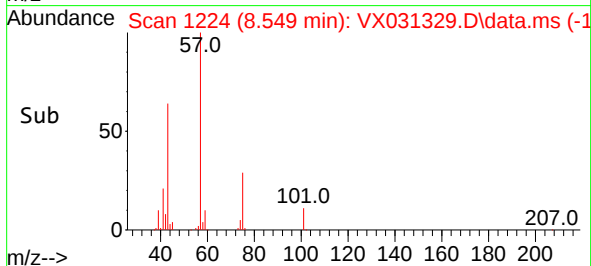
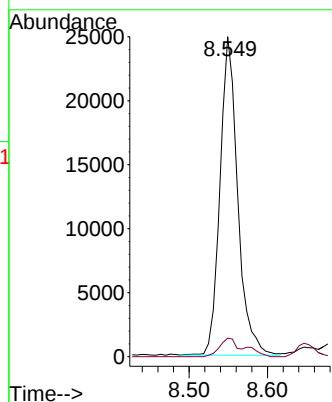
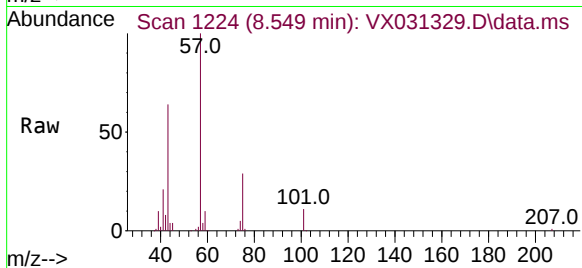
ClientSampleId :

Tgt Ion: 43 Resp: 39267

Ion Ratio Lower Upper

43 100

58 5.8 30.6 46.0#



#54

cis-1,3-Dichloropropene

Concen: 7.447 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

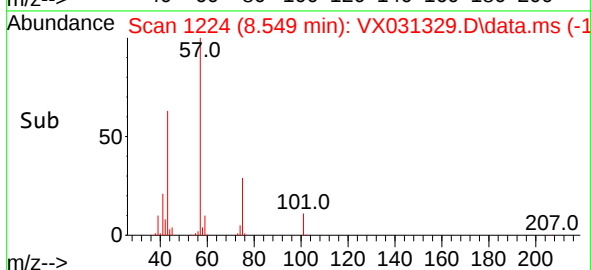
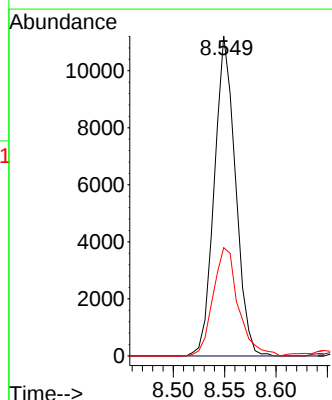
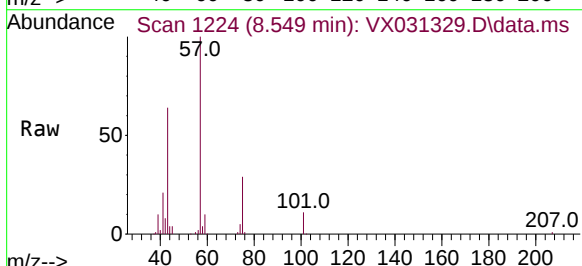
Tgt Ion: 75 Resp: 16013

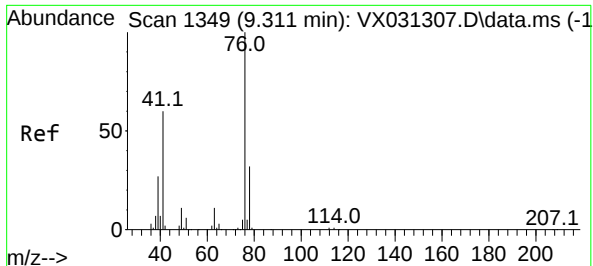
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 33.9 43.7 65.5#





#57

1,3-Dichloropropane

Concen: 0.914 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031329.D

Acq: 15 Sep 2022 00:32

Instrument :

MSVOA_X

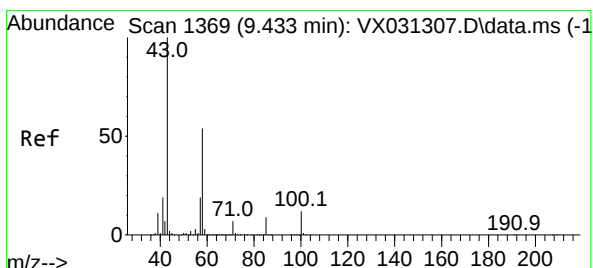
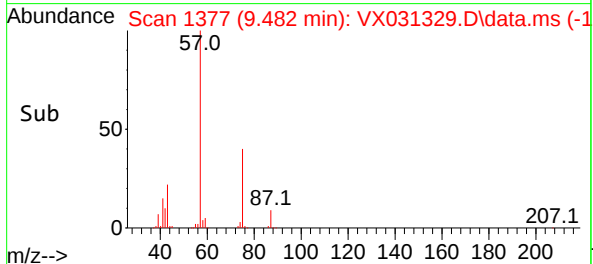
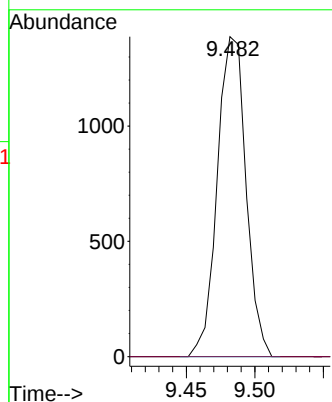
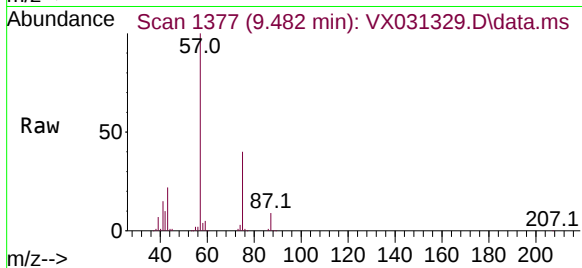
ClientSampleId :

Tgt Ion: 76 Resp: 2020

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 17.788 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX031329.D

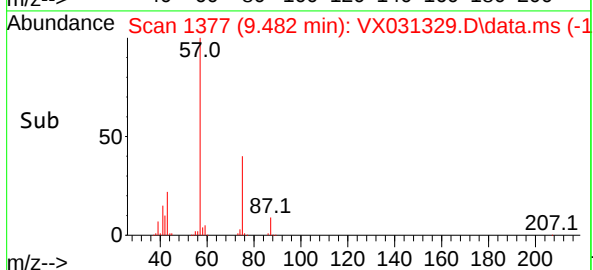
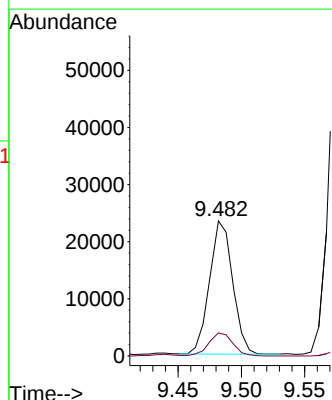
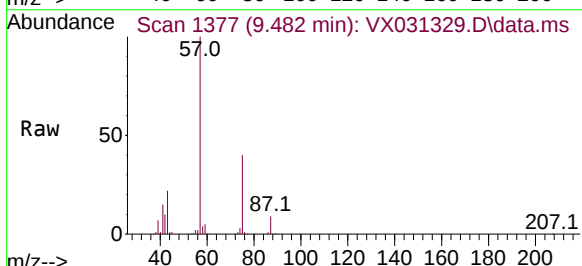
Acq: 15 Sep 2022 00:32

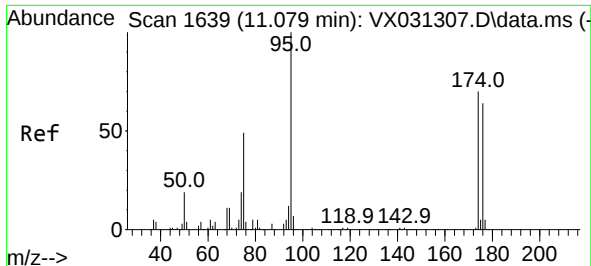
Tgt Ion: 43 Resp: 29682

Ion Ratio Lower Upper

43 100

58 18.0 26.7 80.0#

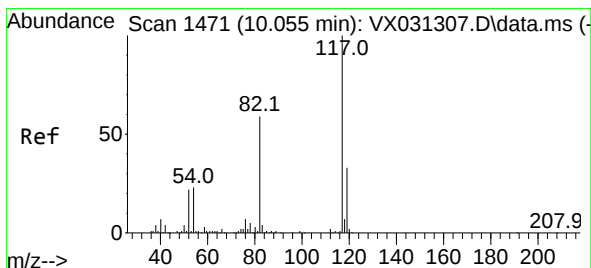
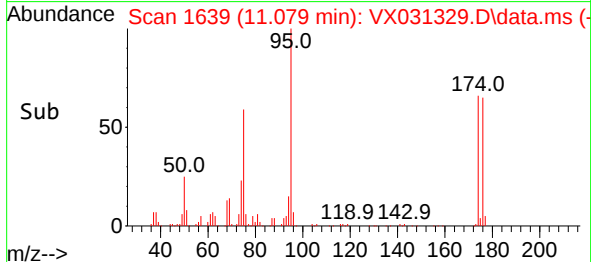
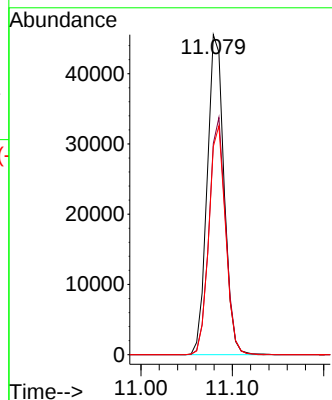
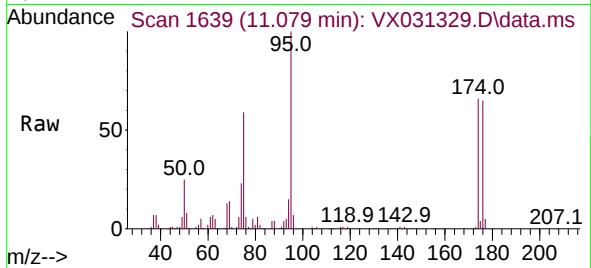




#62
4-Bromofluorobenzene
Concen: 36.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

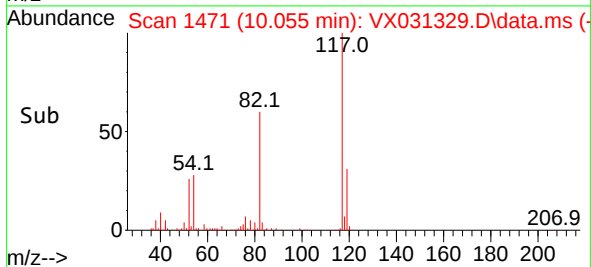
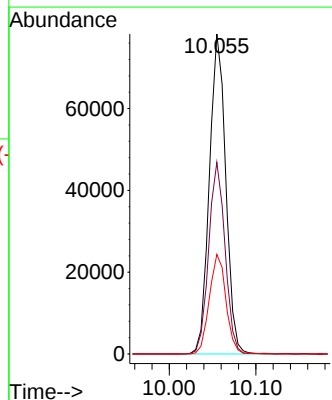
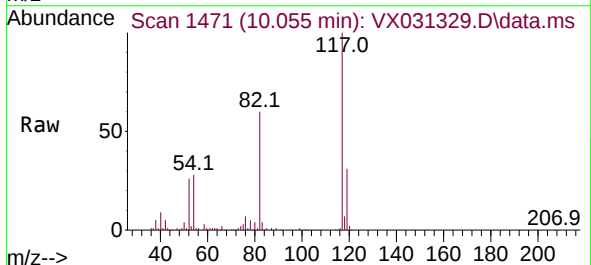
Instrument :
MSVOA_X
ClientSampleId :

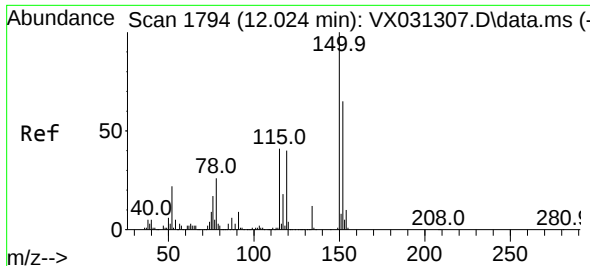
Tgt Ion: 95 Resp: 58298
Ion Ratio Lower Upper
95 100
174 72.6 0.0 153.2
176 70.5 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

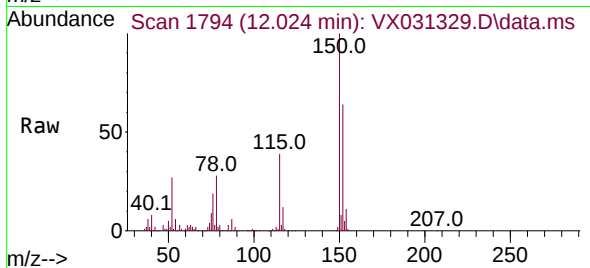
Tgt Ion: 117 Resp: 102727
Ion Ratio Lower Upper
117 100
82 59.9 46.8 70.2
119 31.1 26.4 39.6



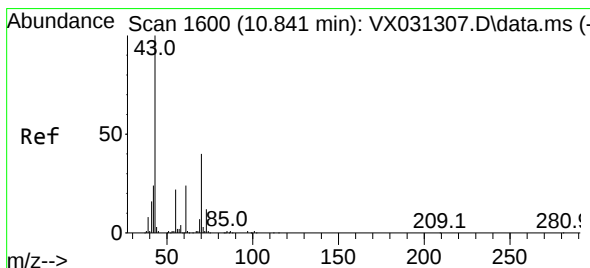
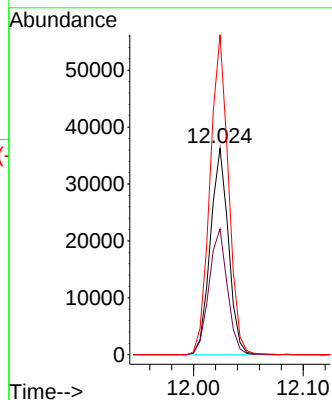
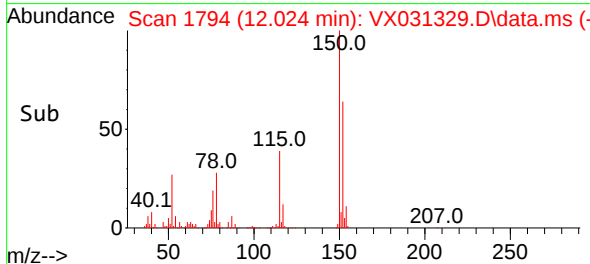


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

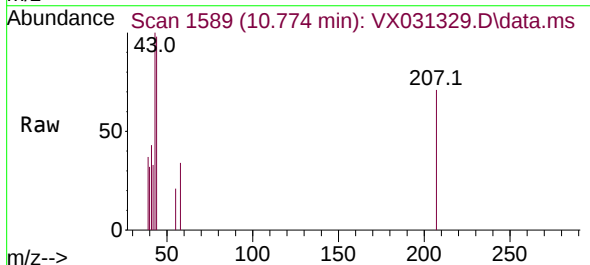
Instrument :
MSVOA_X
ClientSampleId :



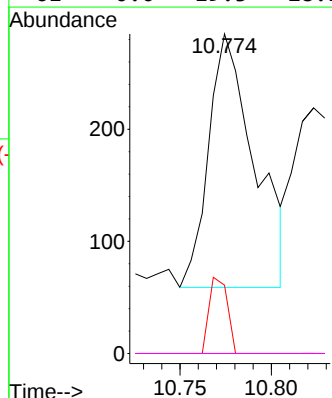
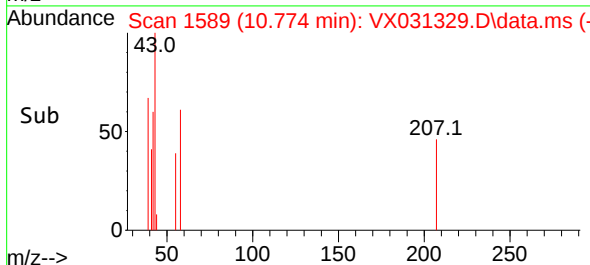
Tgt Ion:152 Resp: 41654
Ion Ratio Lower Upper
152 100
115 61.9 43.4 130.1
150 157.4 0.0 346.8

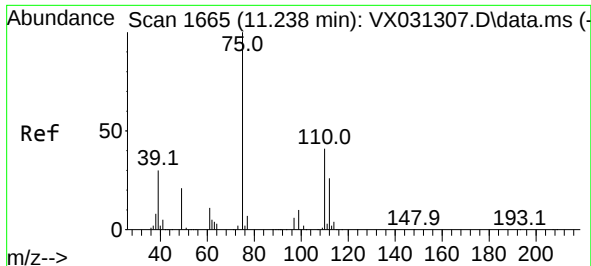


#74
N-ethyl acetate
Concen: 0.258 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32



Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 11.9 18.2 27.2#
61 0.0 19.3 28.9#

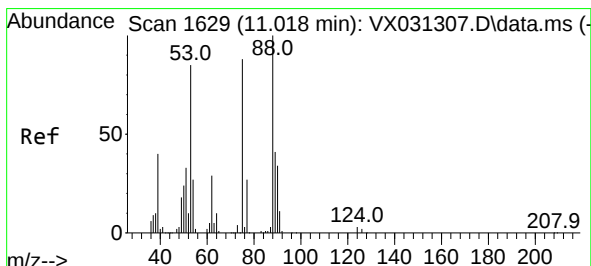
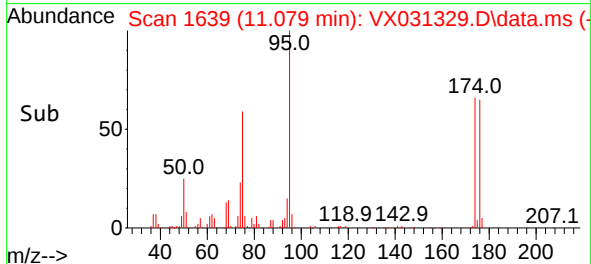
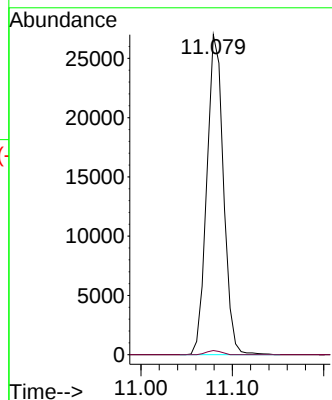
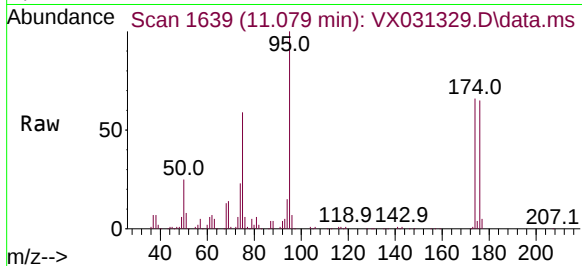




#76
1,2,3-Trichloropropane
Concen: 32.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34025
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.692 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031329.D
Acq: 15 Sep 2022 00:32

Tgt Ion: 75 Resp: 34025
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

