

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030367.D
 Acq On : 03 Aug 2022 13:50
 Operator : JC/MD
 Sample : N3976-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP2-0729

Quant Time: Aug 03 15:54:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

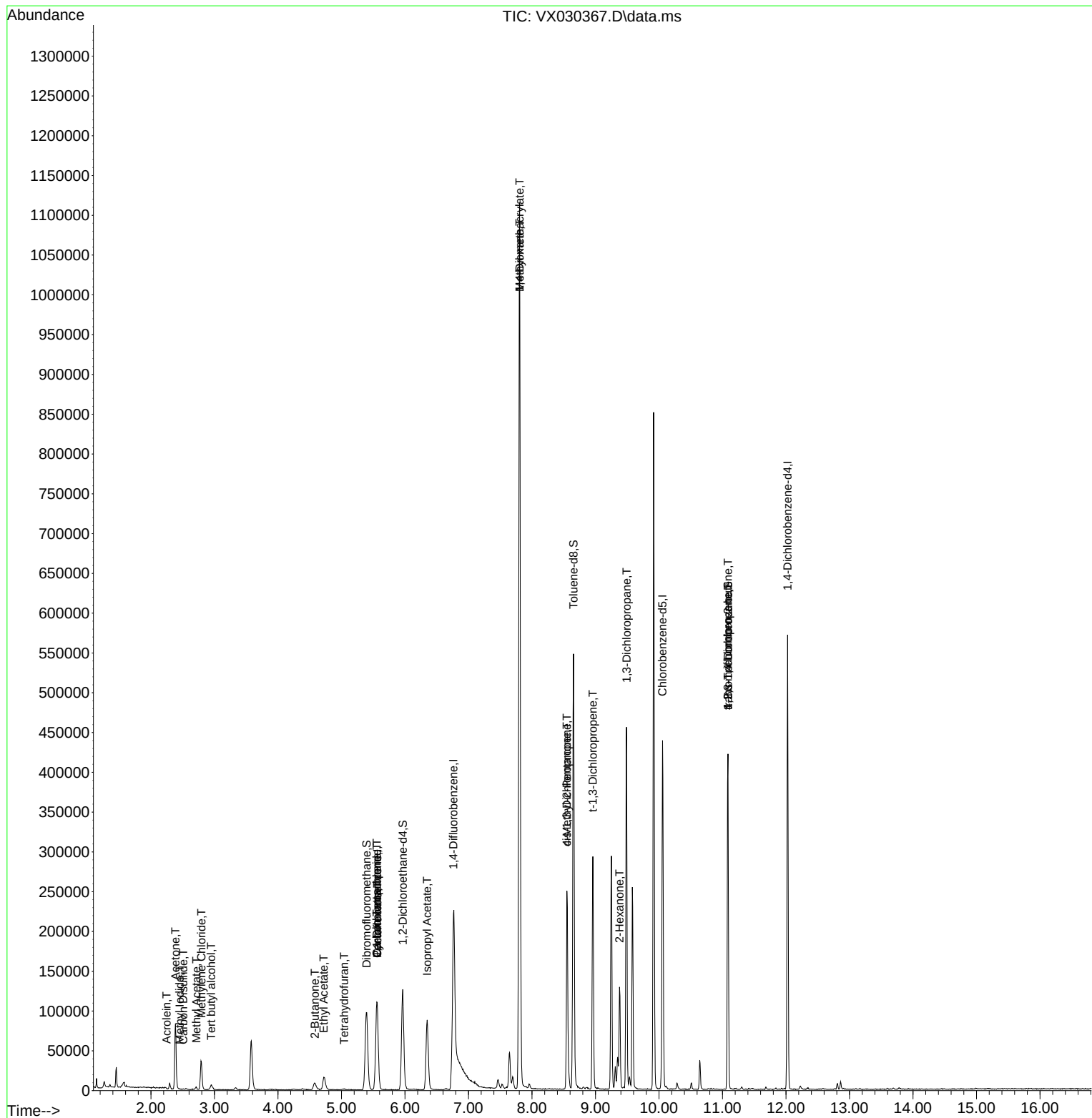
Internal Standards						
1) Pentafluorobenzene	5.562	168	100771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	185441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	118070	58.294	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.580%			
35) Dibromofluoromethane	5.397	113	86830	48.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.960%			
50) Toluene-d8	8.653	98	316277	46.070	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	11.085	95	113036	44.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.740%			
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	307	Below Cal	#	73
10) Methyl Iodide	2.453	142	308	1.715	ug/l #	72
11) Tert butyl alcohol	2.947	59	5067	10.256	ug/l #	79
13) Acrolein	2.246	56	382	3.146	ug/l #	77
16) Acetone	2.386	43	87247	84.137	ug/l	93
17) Carbon Disulfide	2.508	76	1051	0.247	ug/l #	71
18) Methyl Acetate	2.715	43	4261	1.389	ug/l	97
20) Methylene Chloride	2.794	84	16159	6.906	ug/l	93
25) 2-Butanone	4.581	43	12680	7.277	ug/l	95
29) Tetrahydrofuran	5.044	42	794	0.677	ug/l #	68
31) Cyclohexane	5.562	56	2615	0.889	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	9098	3.566	ug/l #	48
37) Ethyl Acetate	4.721	43	28061	7.767	ug/l	98
38) Carbon Tetrachloride	5.556	117	10999	4.618	ug/l #	17
43) Isopropyl Acetate	6.348	43	120288	22.713	ug/l	95
48) Methyl methacrylate	7.806	41	96004	36.829	ug/l #	42
49) 1,4-Dioxane	7.806	88	226	3.754	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	89250	24.823	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	721	0.253	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	35758	11.502	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	3708	1.077	ug/l #	45
59) 2-Hexanone	9.378	43	95981	33.837	ug/l #	24
67) Ethyl Benzene	10.201	91	337	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	59858	21.513	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	59858	64.539	ug/l #	13

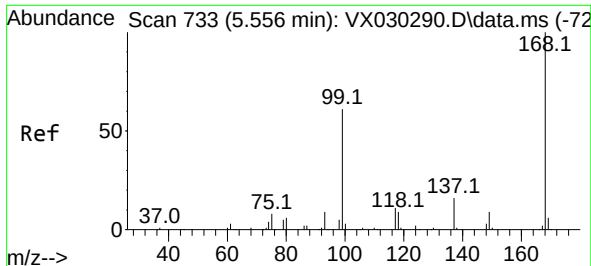
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

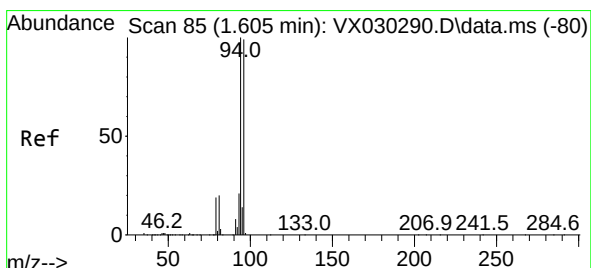
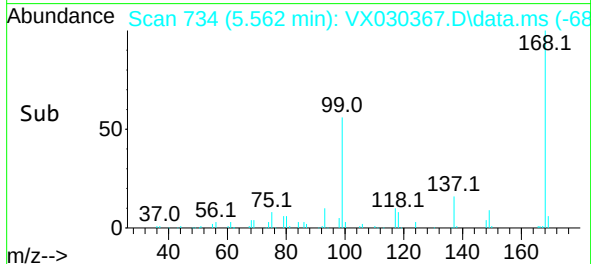
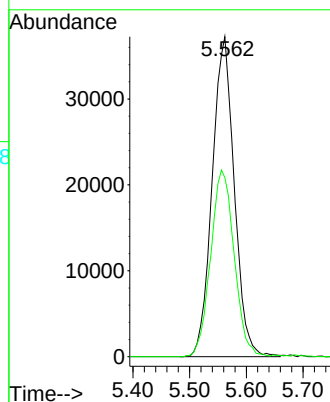
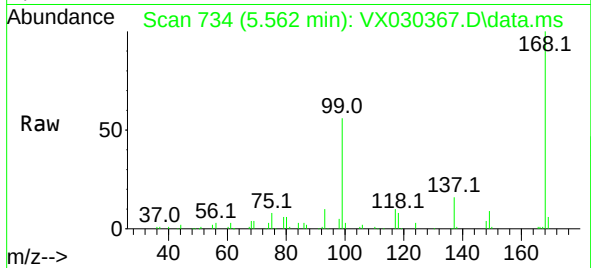




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

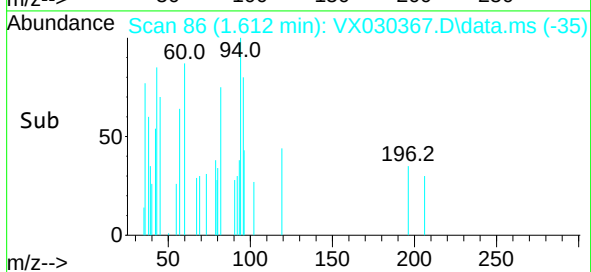
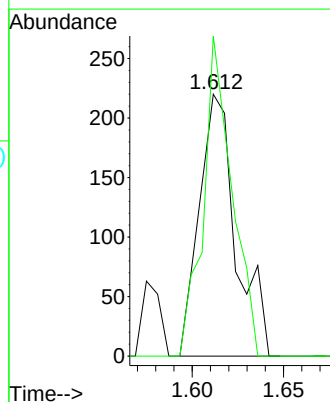
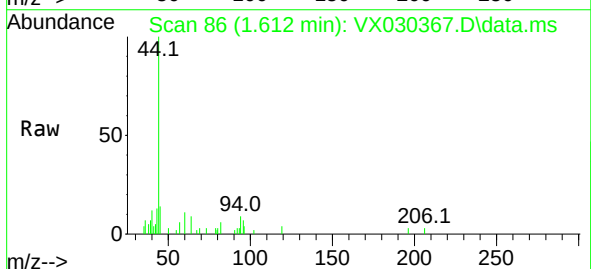
Instrument :
MSVOA_X
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TP2-0729

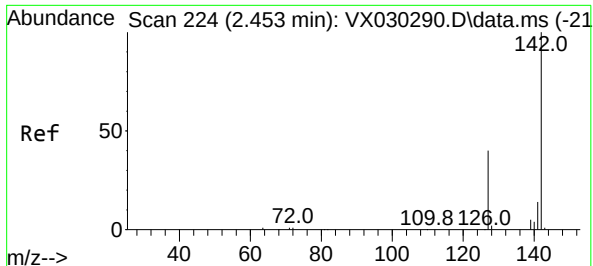
Tgt Ion:168 Resp: 100771
Ion Ratio Lower Upper
168 100
99 56.0 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 122.3 76.9 115.3#

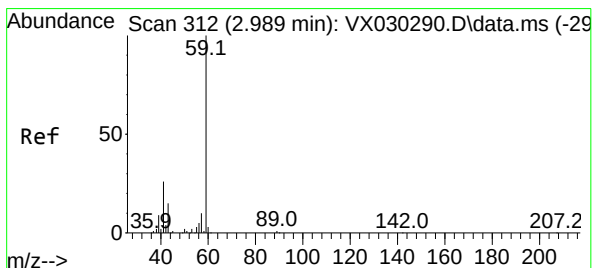
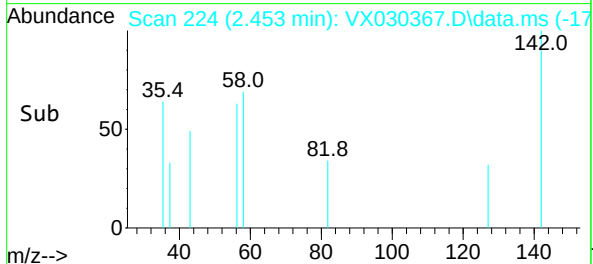
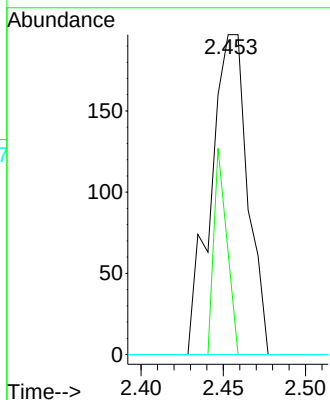
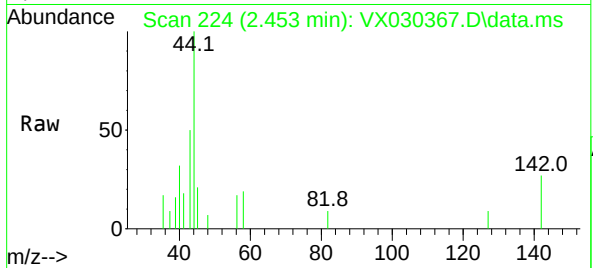




#10
Methyl Iodide
Concen: 1.715 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

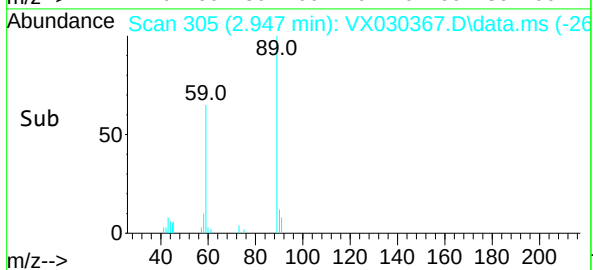
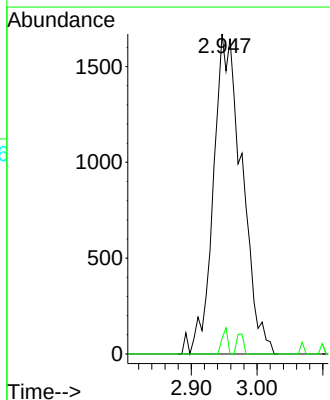
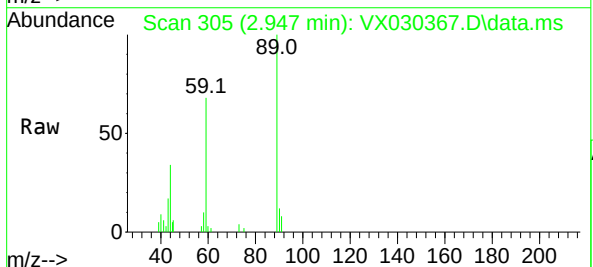
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

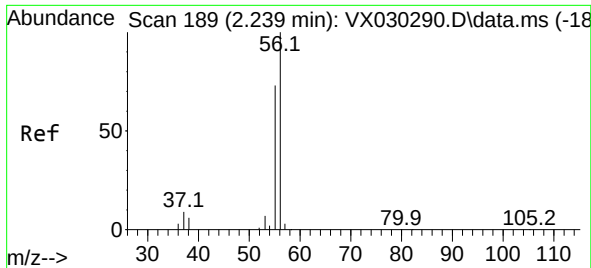
Tgt Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
127 22.7 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 10.256 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 59 Resp: 5067
Ion Ratio Lower Upper
59 100
57 1.6 7.4 11.2#





#13

Acrolein

Concen: 3.146 ug/l

RT: 2.246 min Scan# 189

Delta R.T. 0.007 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

Instrument :

MSVOA_X

ClientSampleId :

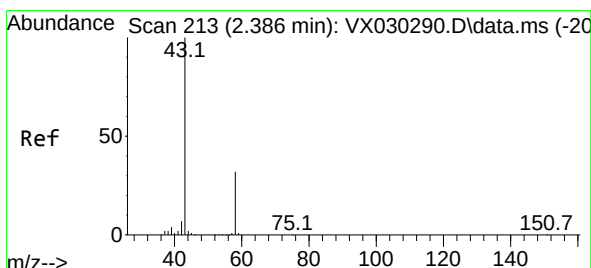
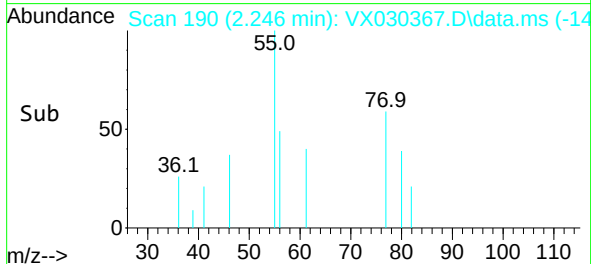
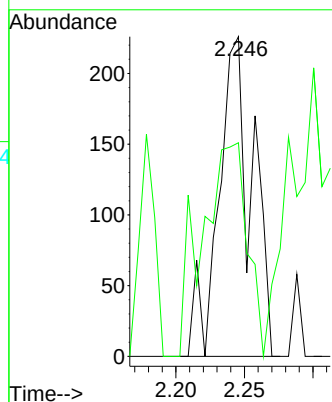
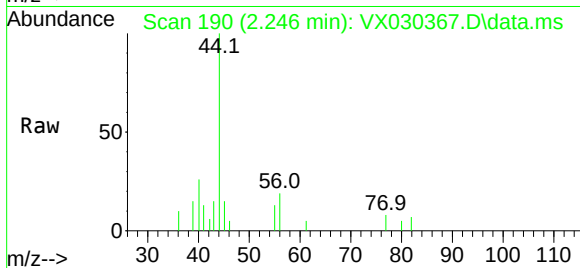
TP2-0729

Tgt Ion: 56 Resp: 382

Ion Ratio Lower Upper

56 100

55 90.1 56.6 84.8#



#16

Acetone

Concen: 84.137 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.001 min

Lab File: VX030367.D

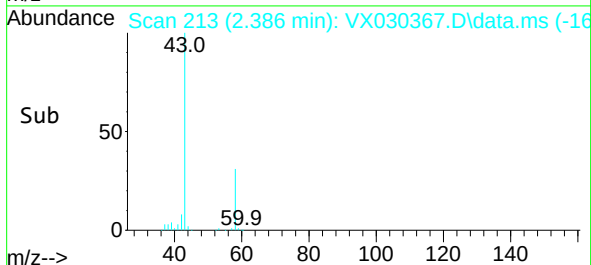
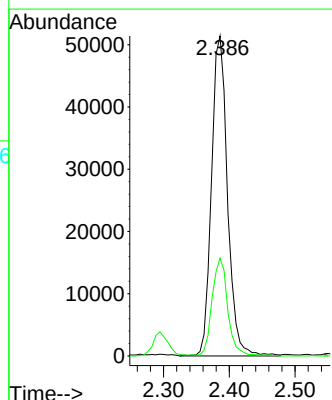
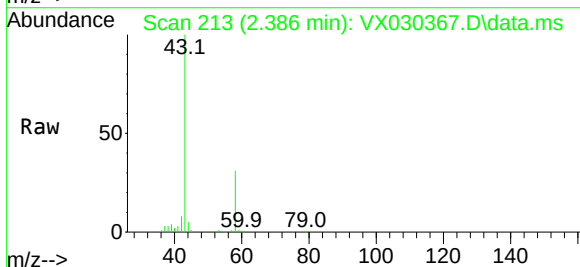
Acq: 03 Aug 2022 13:50

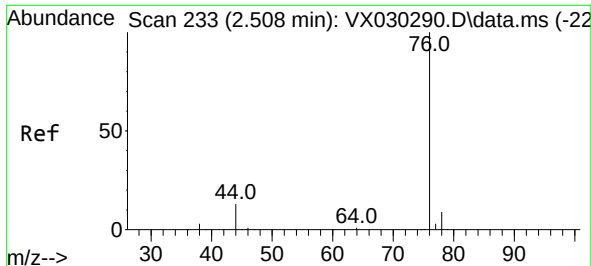
Tgt Ion: 43 Resp: 87247

Ion Ratio Lower Upper

43 100

58 30.6 27.7 41.5

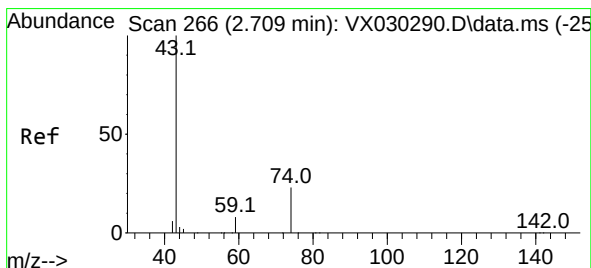
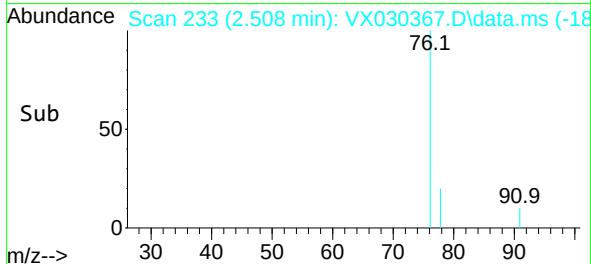
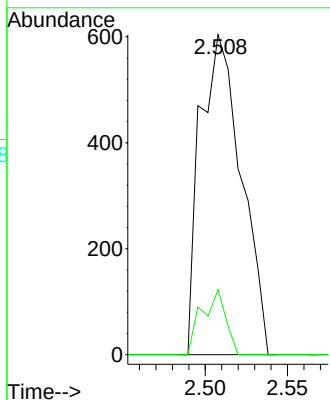
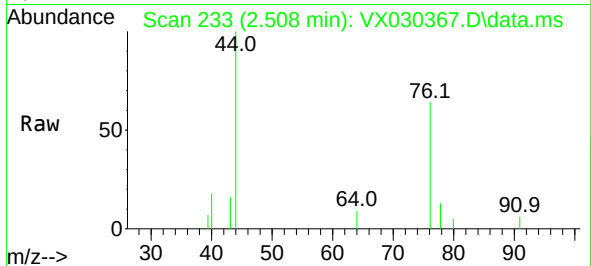




#17
Carbon Disulfide
Concen: 0.247 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

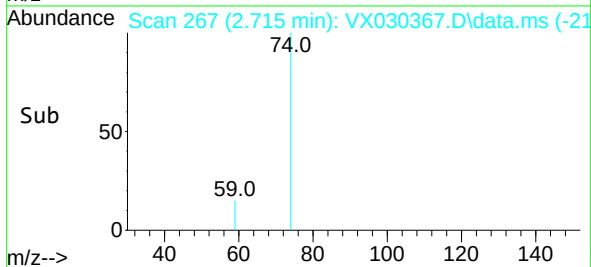
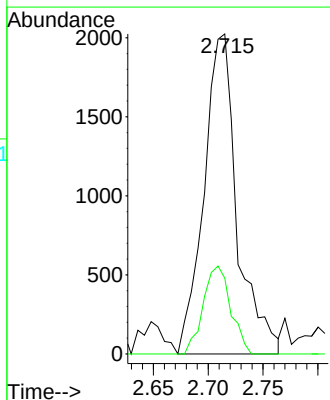
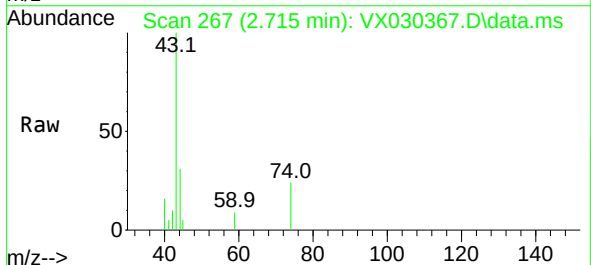
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

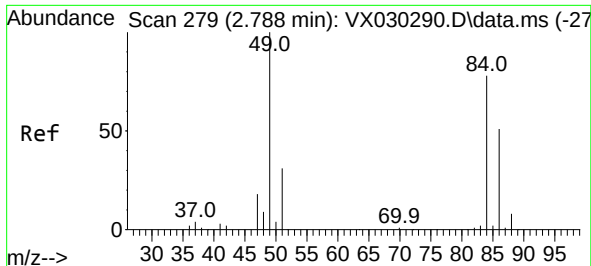
Tgt Ion: 76 Resp: 1051
Ion Ratio Lower Upper
76 100
78 20.4 7.8 11.6#



#18
Methyl Acetate
Concen: 1.389 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.007 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2

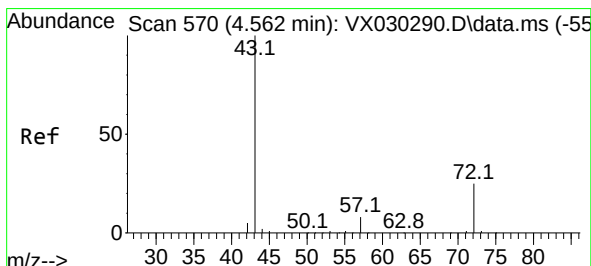
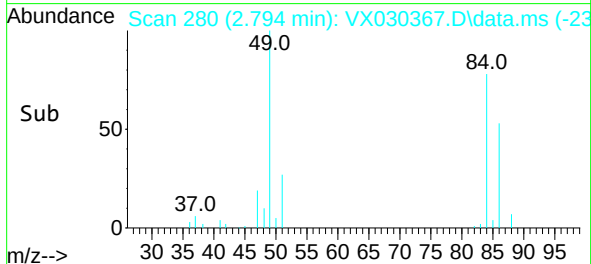
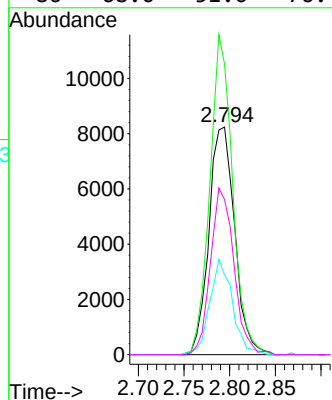
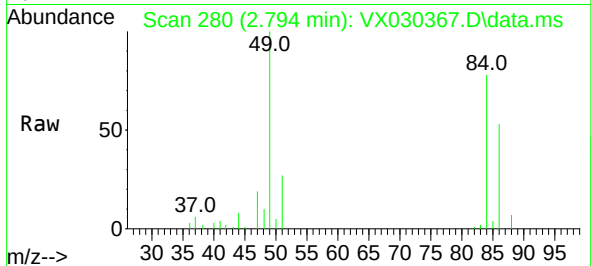




#20
Methylene Chloride
Concen: 6.906 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

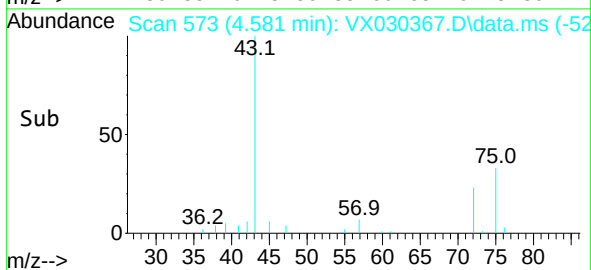
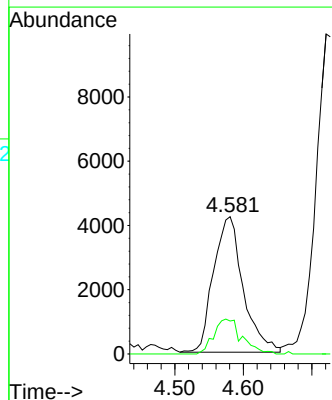
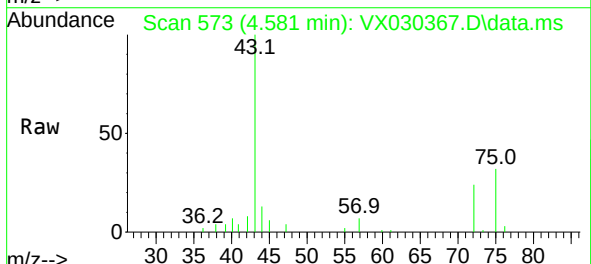
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

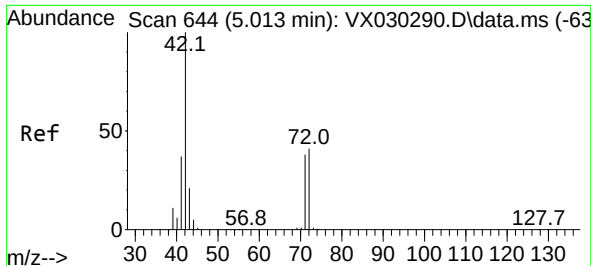
Tgt Ion: 84	Resp: 16159
Ion Ratio	Lower Upper
84 100	
49 127.6	93.8 140.6
51 35.0	29.4 44.0
86 68.0	51.0 76.4



#25
2-Butanone
Concen: 7.277 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 43	Resp: 12680
Ion Ratio	Lower Upper
43 100	
72 24.3	21.7 32.5





#29

Tetrahydrofuran

Concen: 0.677 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

Instrument :

MSVOA_X

ClientSampleId :

TP2-0729

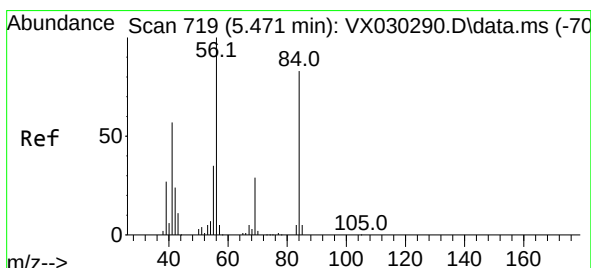
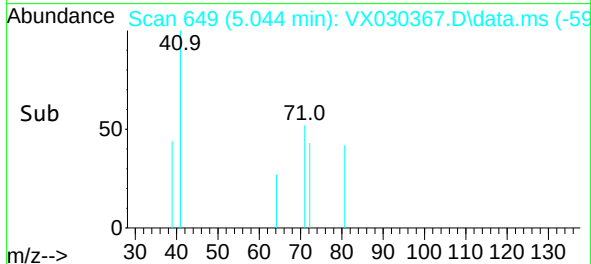
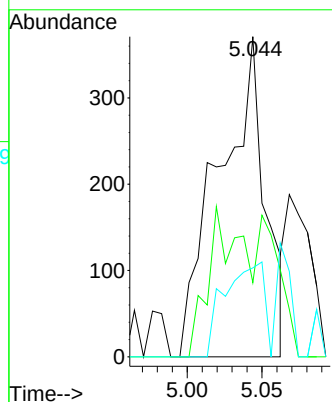
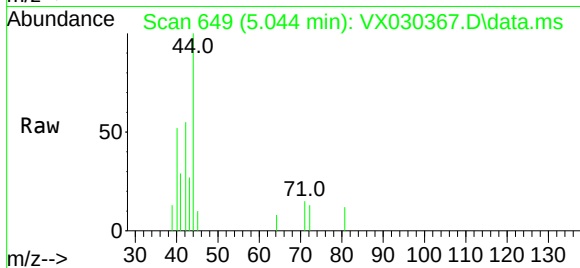
Tgt Ion: 42 Resp: 794

Ion Ratio Lower Upper

42 100

72 21.3 36.5 54.7#

71 25.2 33.9 50.9#



#31

Cyclohexane

Concen: 0.889 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

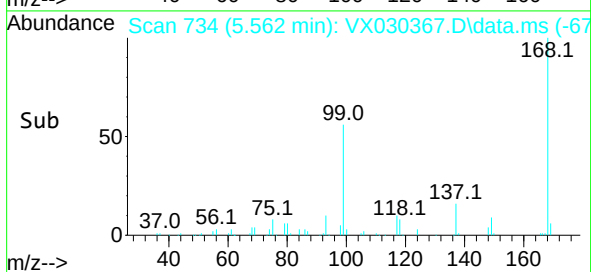
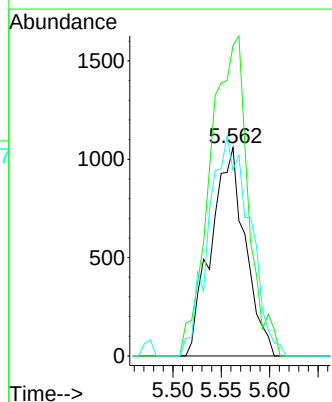
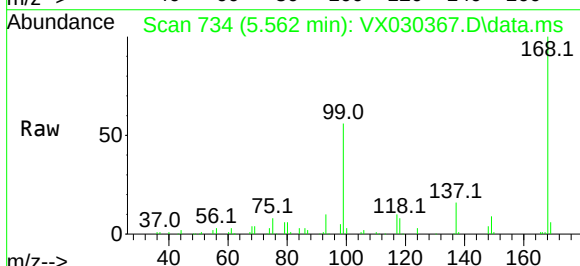
Tgt Ion: 56 Resp: 2615

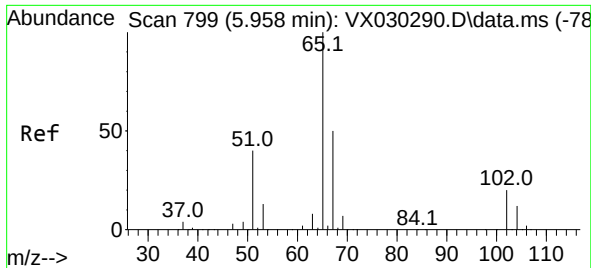
Ion Ratio Lower Upper

56 100

69 149.1 25.4 38.0#

84 89.3 68.9 103.3

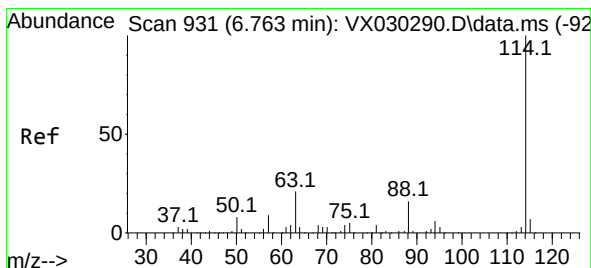
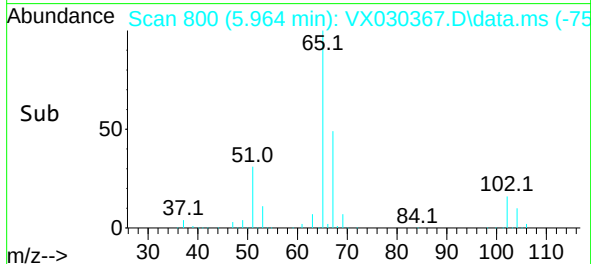
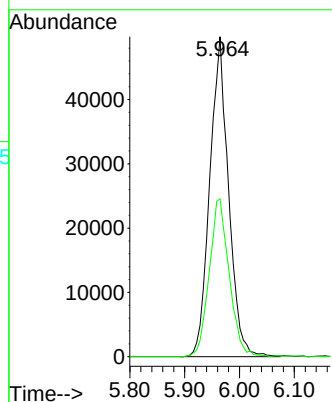
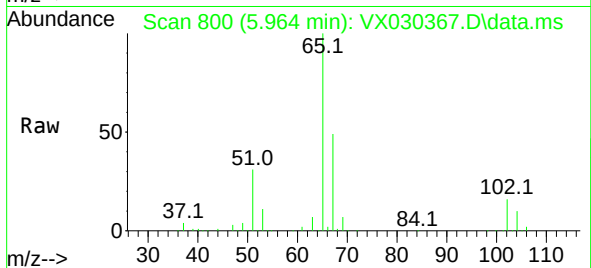




#33
 1,2-Dichloroethane-d4
 Concen: 58.294 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

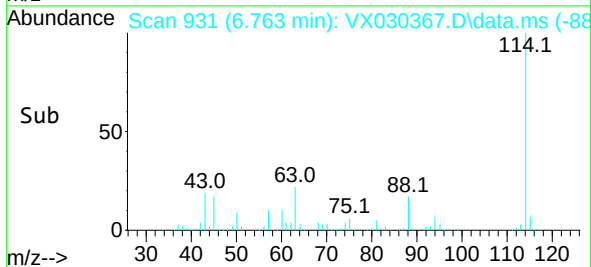
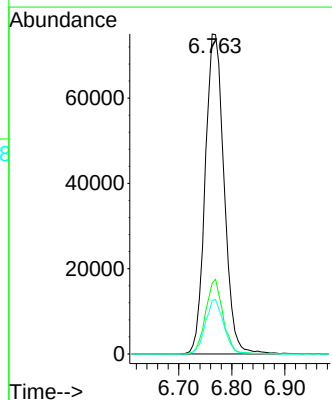
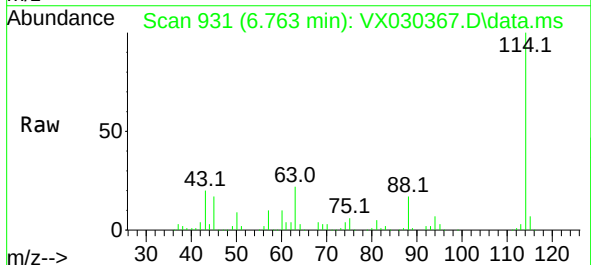
Instrument :
 MSVOA_X
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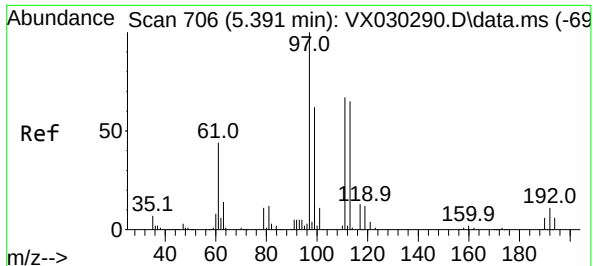
Tgt Ion: 65 Resp: 118070
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

Tgt Ion: 114 Resp: 185441
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 38.4
 88 16.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.981 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

Instrument :

MSVOA_X

ClientSampleId :

TP2-0729

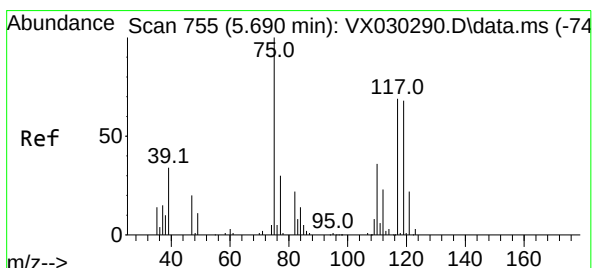
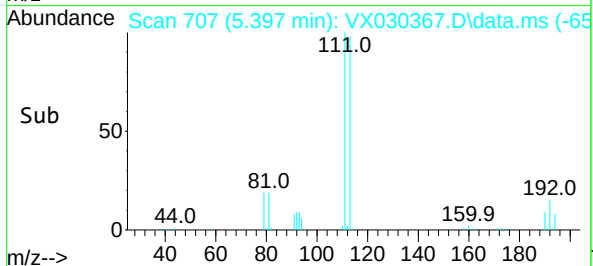
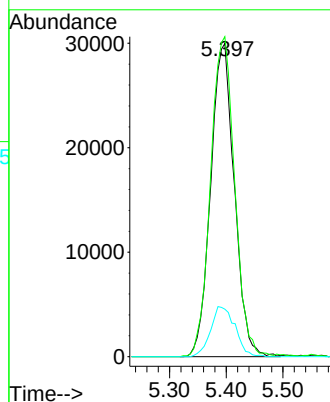
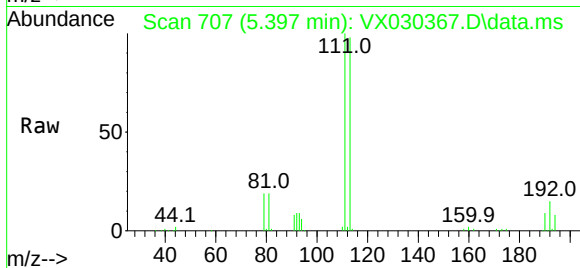
Tgt Ion:113 Resp: 86830

Ion Ratio Lower Upper

113 100

111 104.2 83.2 124.8

192 16.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.566 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

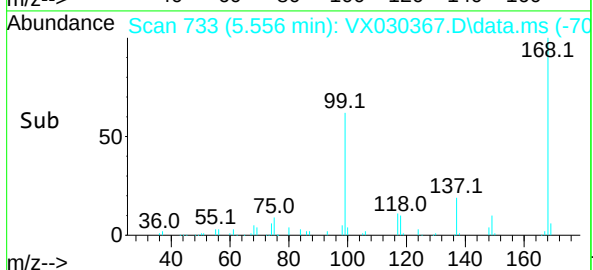
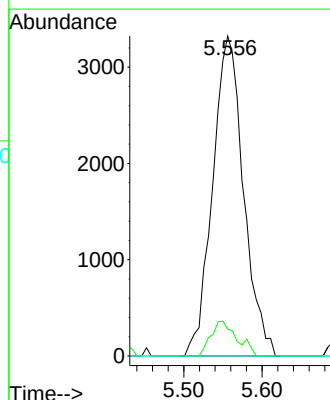
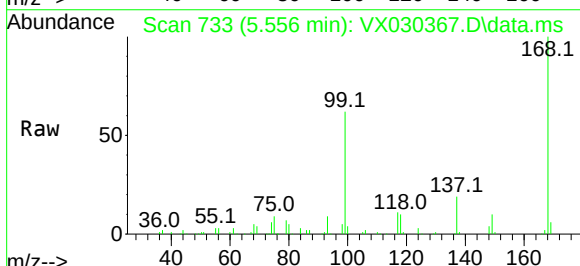
Tgt Ion: 75 Resp: 9098

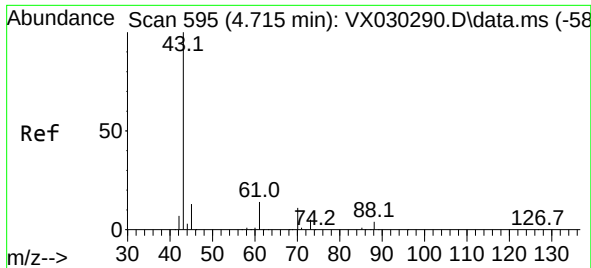
Ion Ratio Lower Upper

75 100

110 9.1 19.3 57.9#

77 0.0 24.4 36.6#

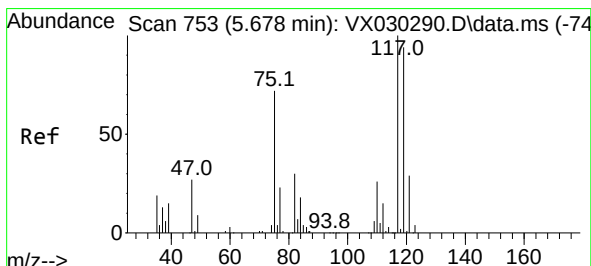
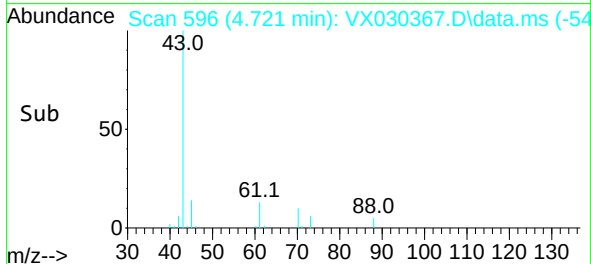
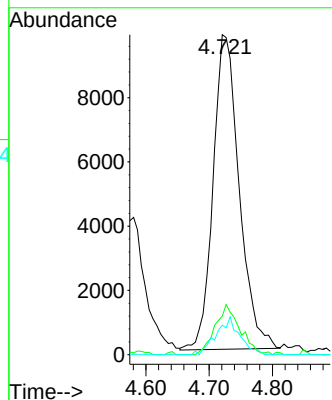
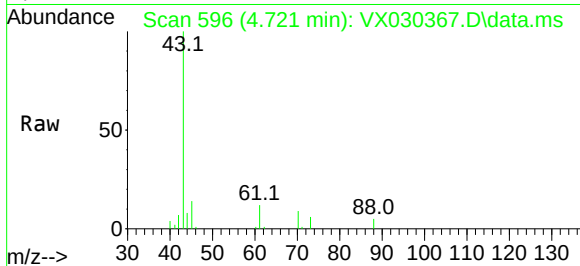




#37
Ethyl Acetate
Concen: 7.767 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.001 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

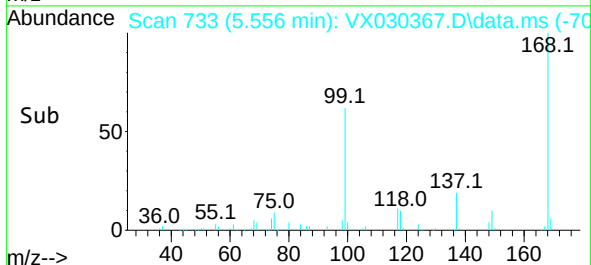
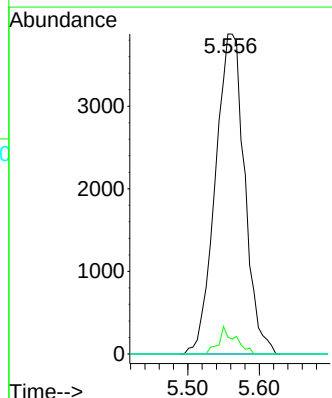
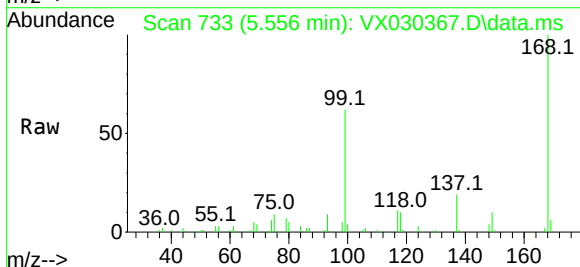
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

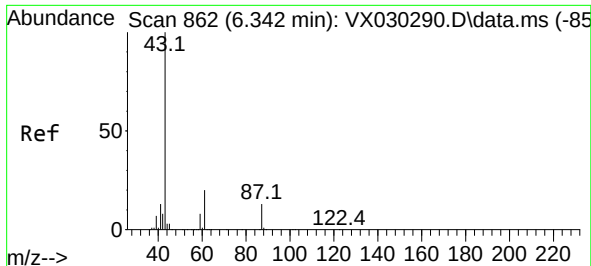
Tgt Ion: 43	Resp:	28061
Ion	Ratio	Lower Upper
43	100	
61	15.1	11.7 17.5
70	10.8	9.3 13.9



#38
Carbon Tetrachloride
Concen: 4.618 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 117	Resp:	10999
Ion	Ratio	Lower Upper
117	100	
119	5.2	74.1 111.1#
121	0.0	25.8 38.8#

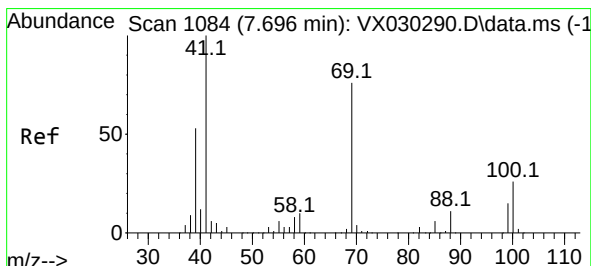
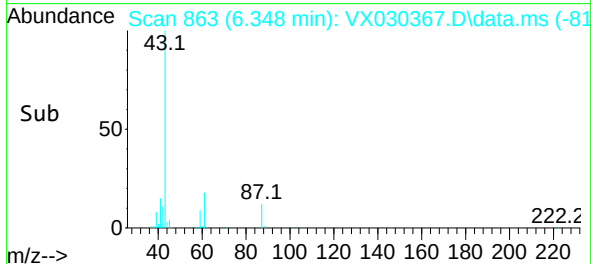
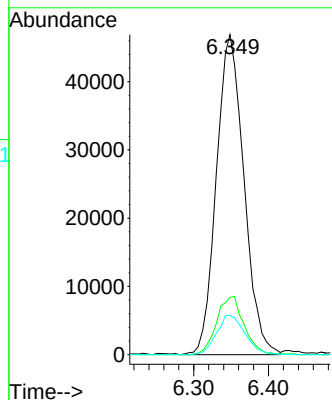
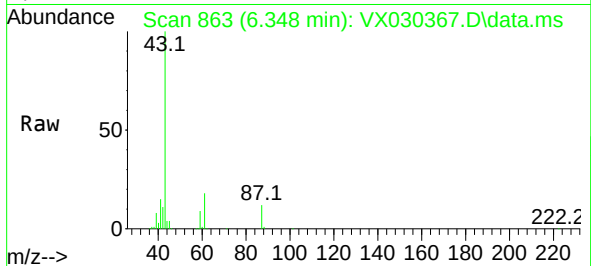




#43
Isopropyl Acetate
Concen: 22.713 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

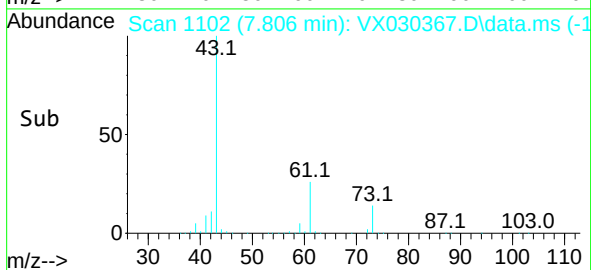
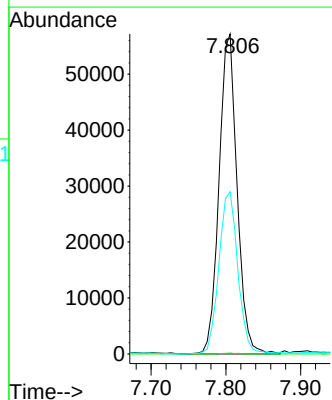
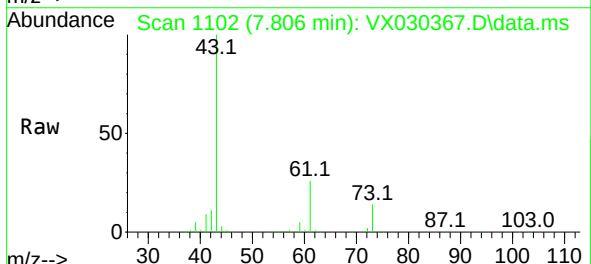
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

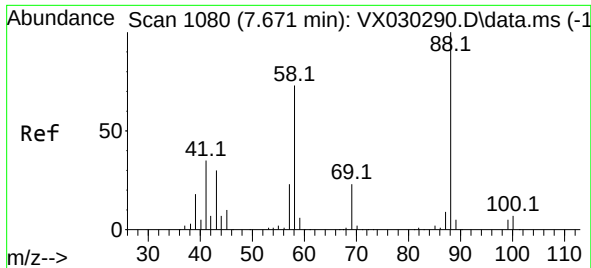
Tgt Ion: 43 Resp: 120288
Ion Ratio Lower Upper
43 100
61 18.0 16.5 24.7
87 12.6 11.1 16.7



#48
Methyl methacrylate
Concen: 36.829 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.111 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 41 Resp: 96004
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 53.4 44.6 66.8

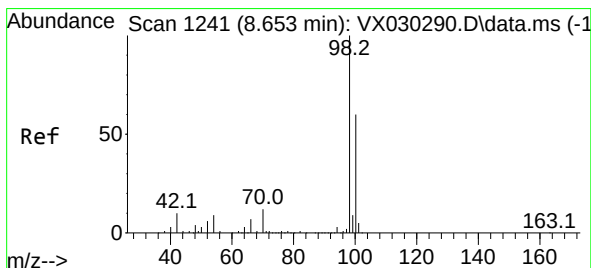
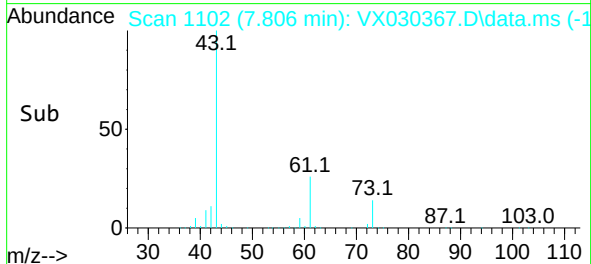
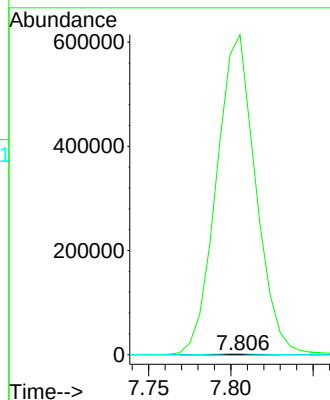
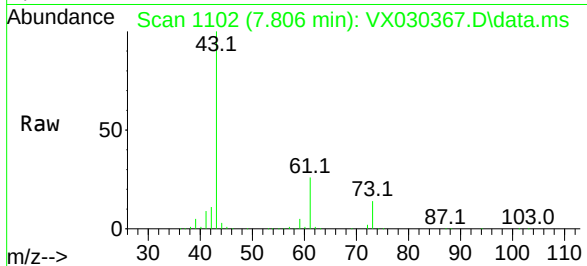




#49
1,4-Dioxane
Concen: 3.754 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

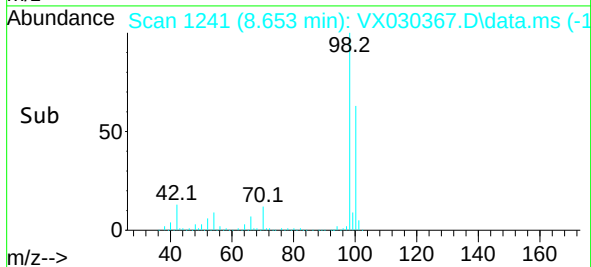
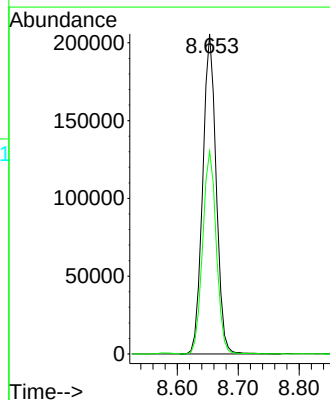
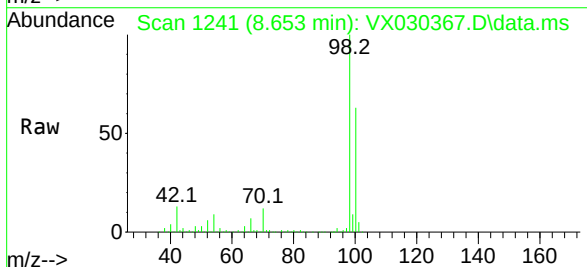
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

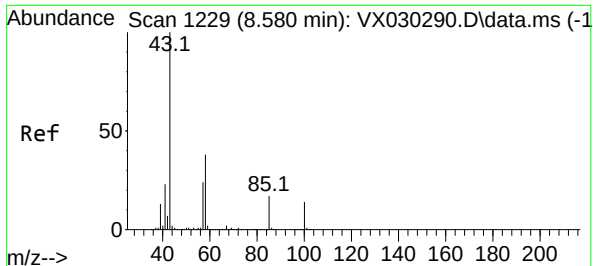
Tgt Ion: 88 Resp: 226
Ion Ratio Lower Upper
88 100
43 454469.5 23.8 35.8#
58 1665.0 53.8 80.6#



#50
Toluene-d8
Concen: 46.070 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 98 Resp: 316277
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 24.823 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX030367.D

Acq: 03 Aug 2022 13:50

Instrument :

MSVOA_X

ClientSampleId :

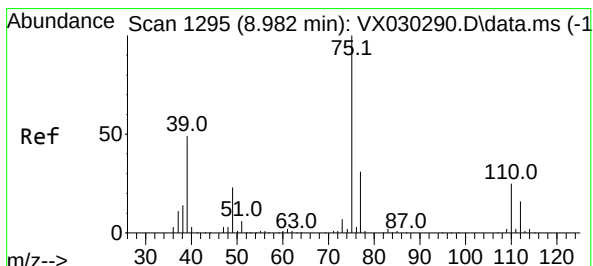
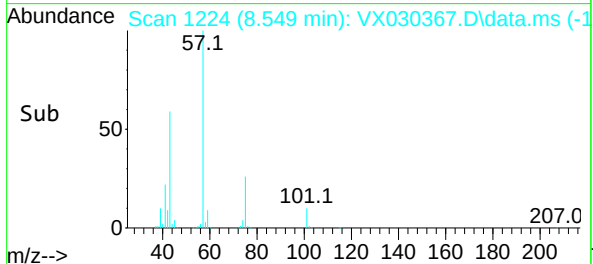
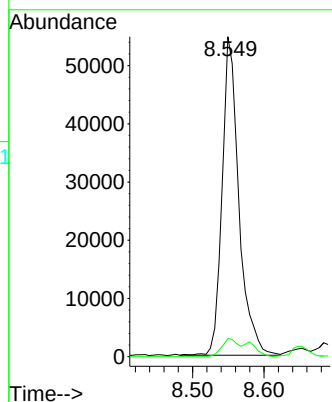
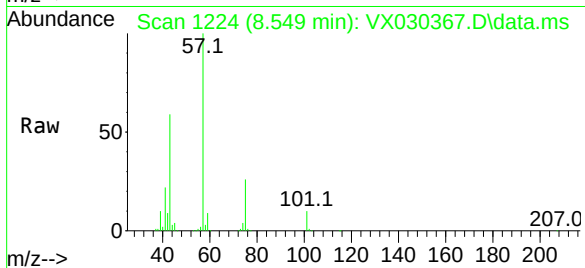
TP2-0729

Tgt Ion: 43 Resp: 89250

Ion Ratio Lower Upper

43 100

58 5.7 31.4 47.2#



#53

t-1,3-Dichloropropene

Concen: 0.253 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX030367.D

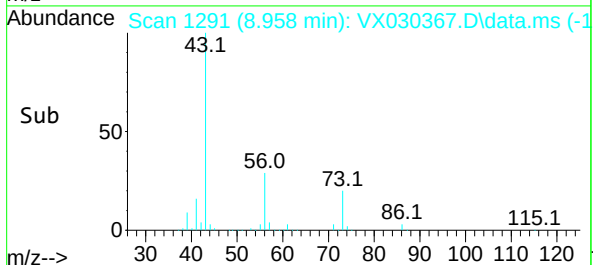
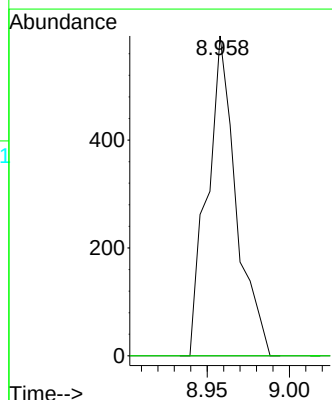
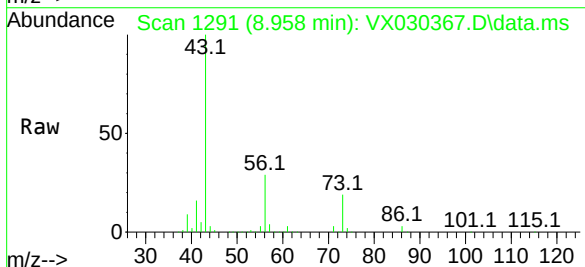
Acq: 03 Aug 2022 13:50

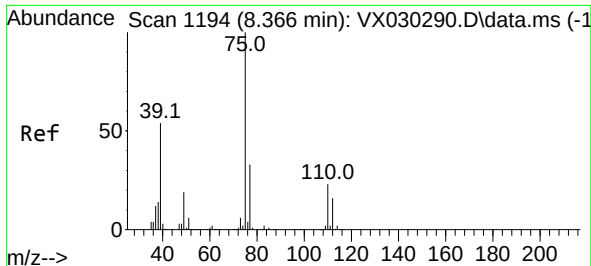
Tgt Ion: 75 Resp: 721

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

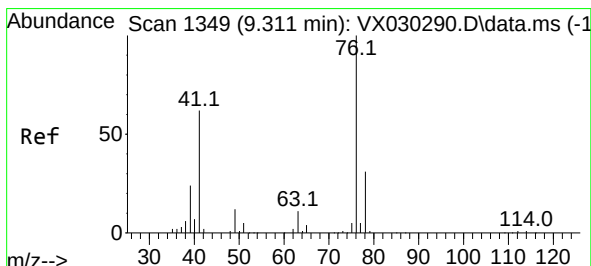
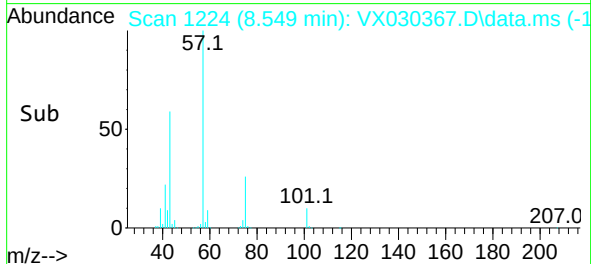
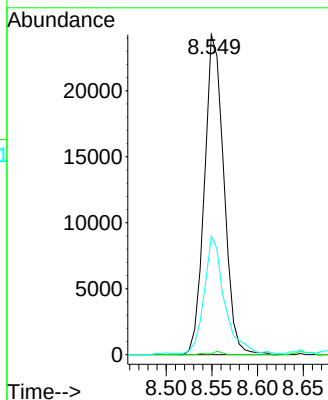
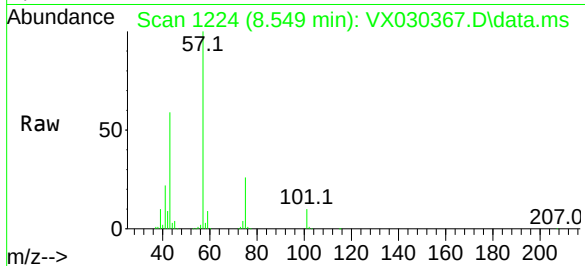




#54
 cis-1,3-Dichloropropene
 Concen: 11.502 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

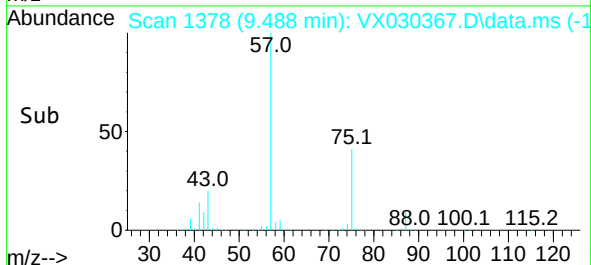
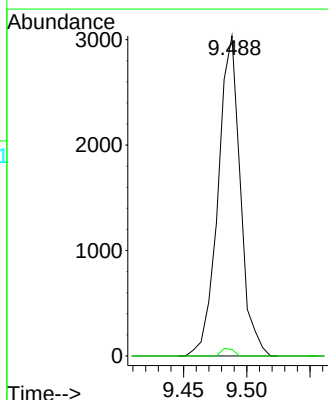
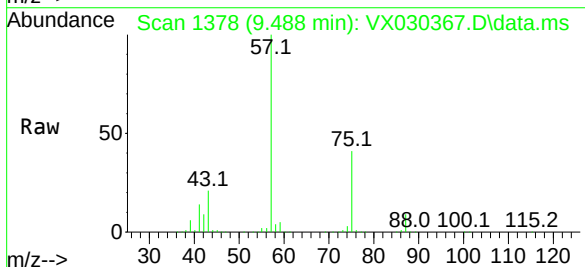
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2-0729

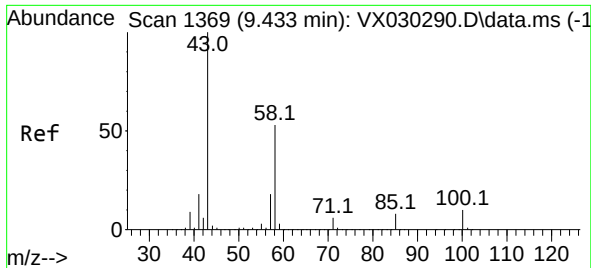
Tgt Ion: 75 Resp: 35758
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.4#
 39 36.7 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 1.077 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

Tgt Ion: 76 Resp: 3708
 Ion Ratio Lower Upper
 76 100
 78 1.3 25.9 38.9#

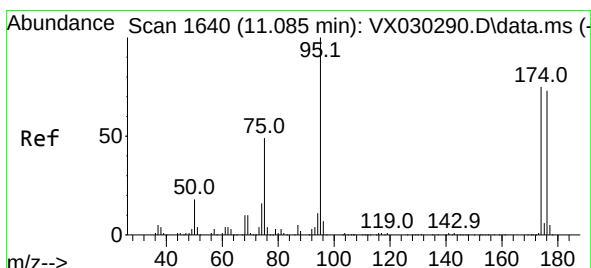
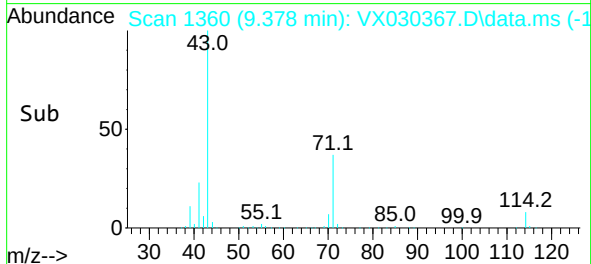
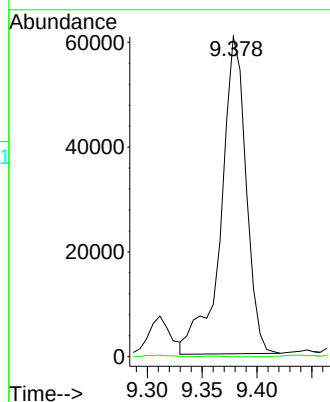
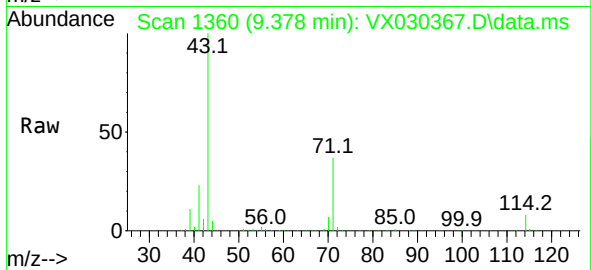




#59
2-Hexanone
Concen: 33.837 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

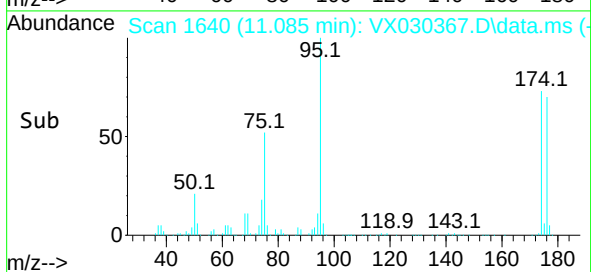
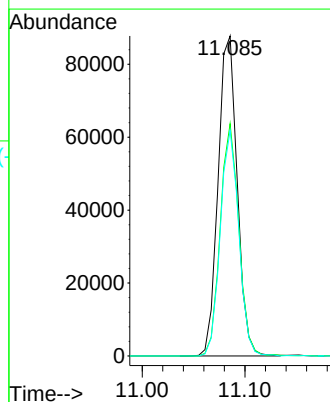
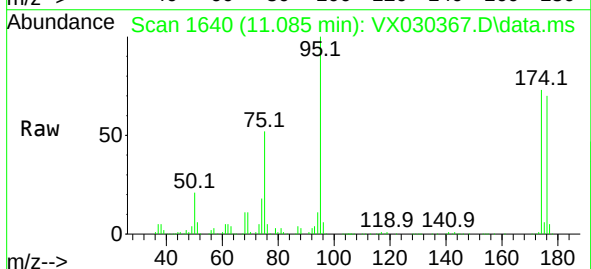
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

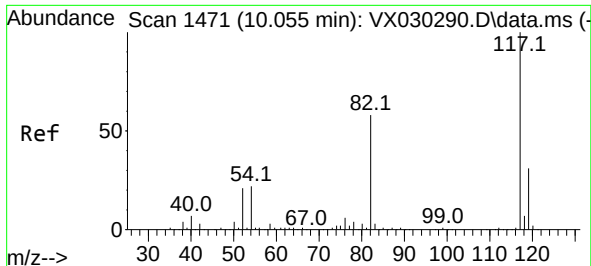
Tgt Ion: 43 Resp: 95981
Ion Ratio Lower Upper
43 100
58 0.0 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 44.366 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 95 Resp: 113036
Ion Ratio Lower Upper
95 100
174 70.7 0.0 149.0
176 68.1 0.0 146.0

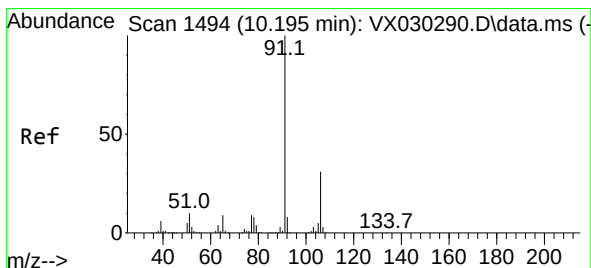
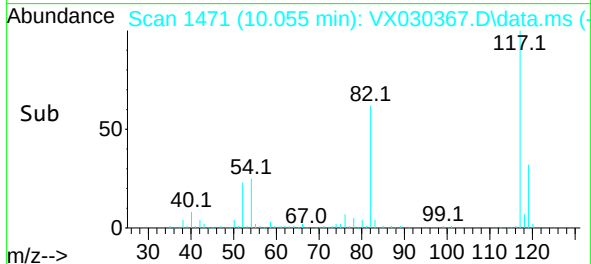
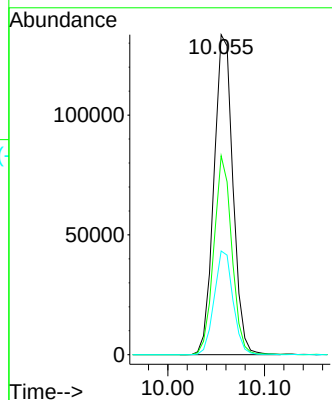
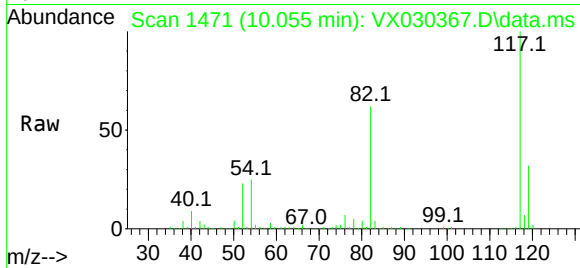




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

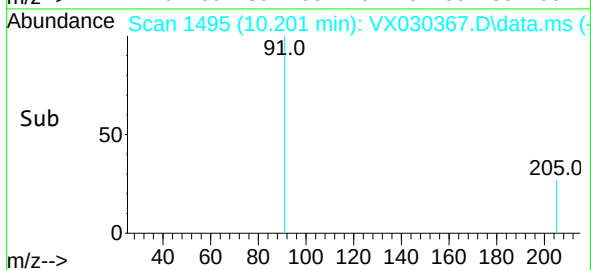
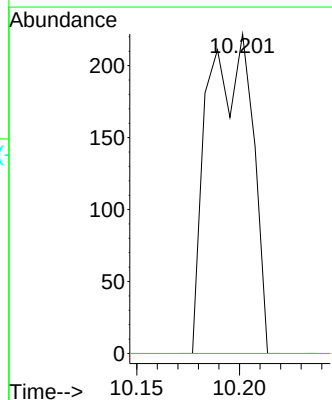
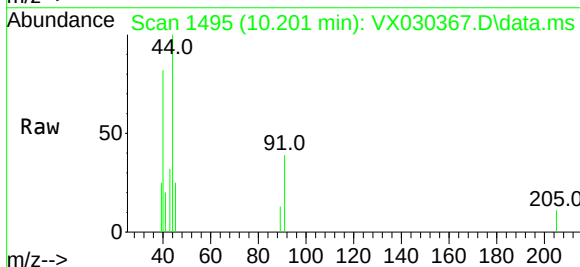
Instrument :
MSVOA_X
ClientSampleId :
TP2-0729

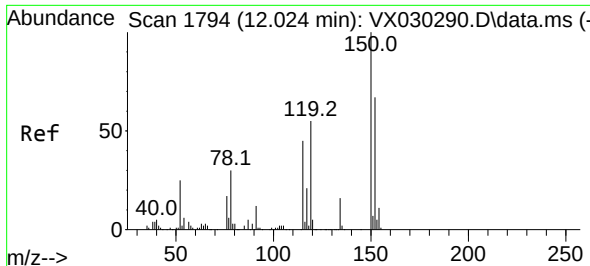
Tgt Ion:117 Resp: 182352
Ion Ratio Lower Upper
117 100
82 62.1 42.7 64.1
119 32.4 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030367.D
Acq: 03 Aug 2022 13:50

Tgt Ion: 91 Resp: 337
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

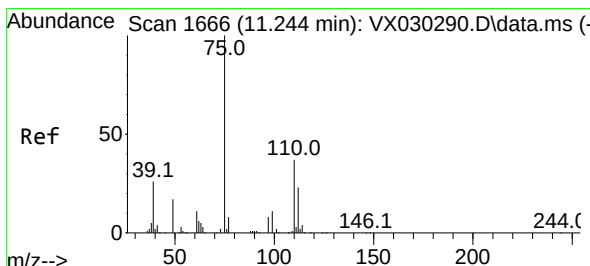
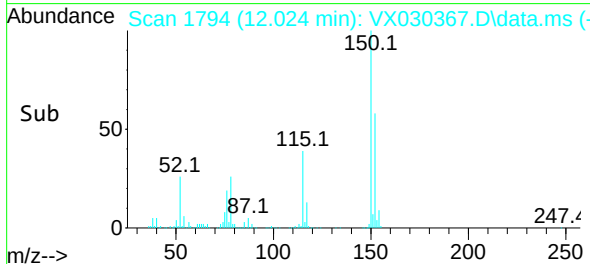
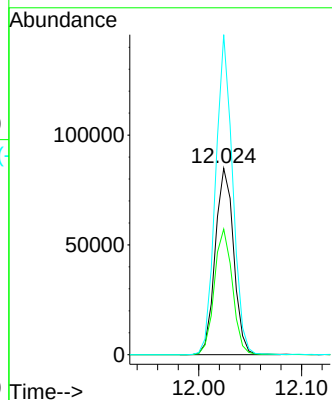
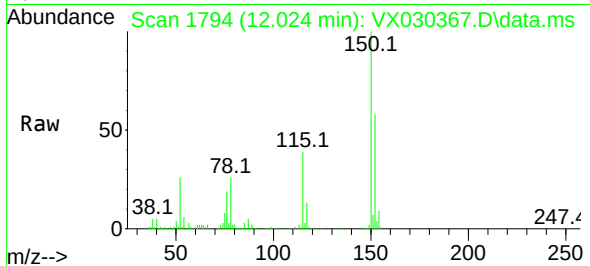




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

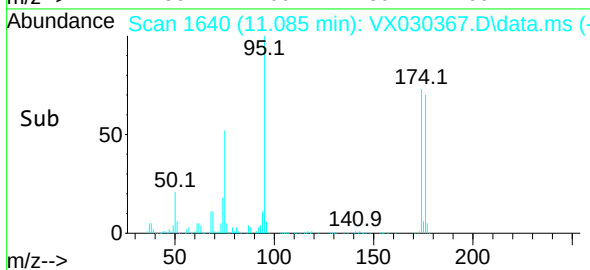
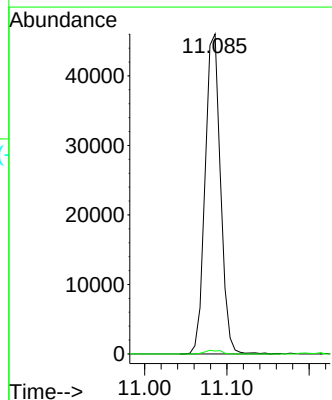
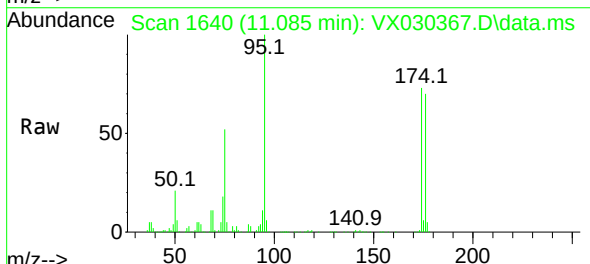
Instrument :
 MSVOA_X
 ClientSampleId :
 TP2-0729

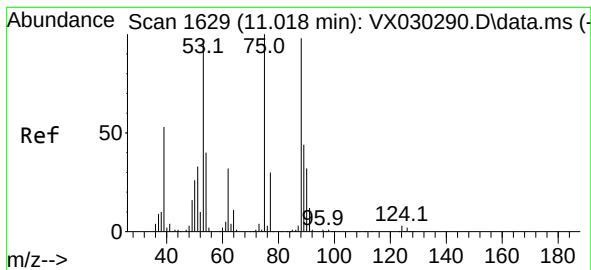
Tgt Ion:152 Resp: 105554
 Ion Ratio Lower Upper
 152 100
 115 66.2 40.5 121.5
 150 159.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 21.513 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

Tgt Ion: 75 Resp: 59858
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.539 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030367.D
 Acq: 03 Aug 2022 13:50

Instrument :
 MSVOA_X
 ClientSampleId :
 TP2-0729

Tgt Ion: 75 Resp: 59858
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

