

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033129.D
 Acq On : 30 Nov 2022 14:09
 Operator : JC/MD
 Sample : N5806-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Dec 01 00:19:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

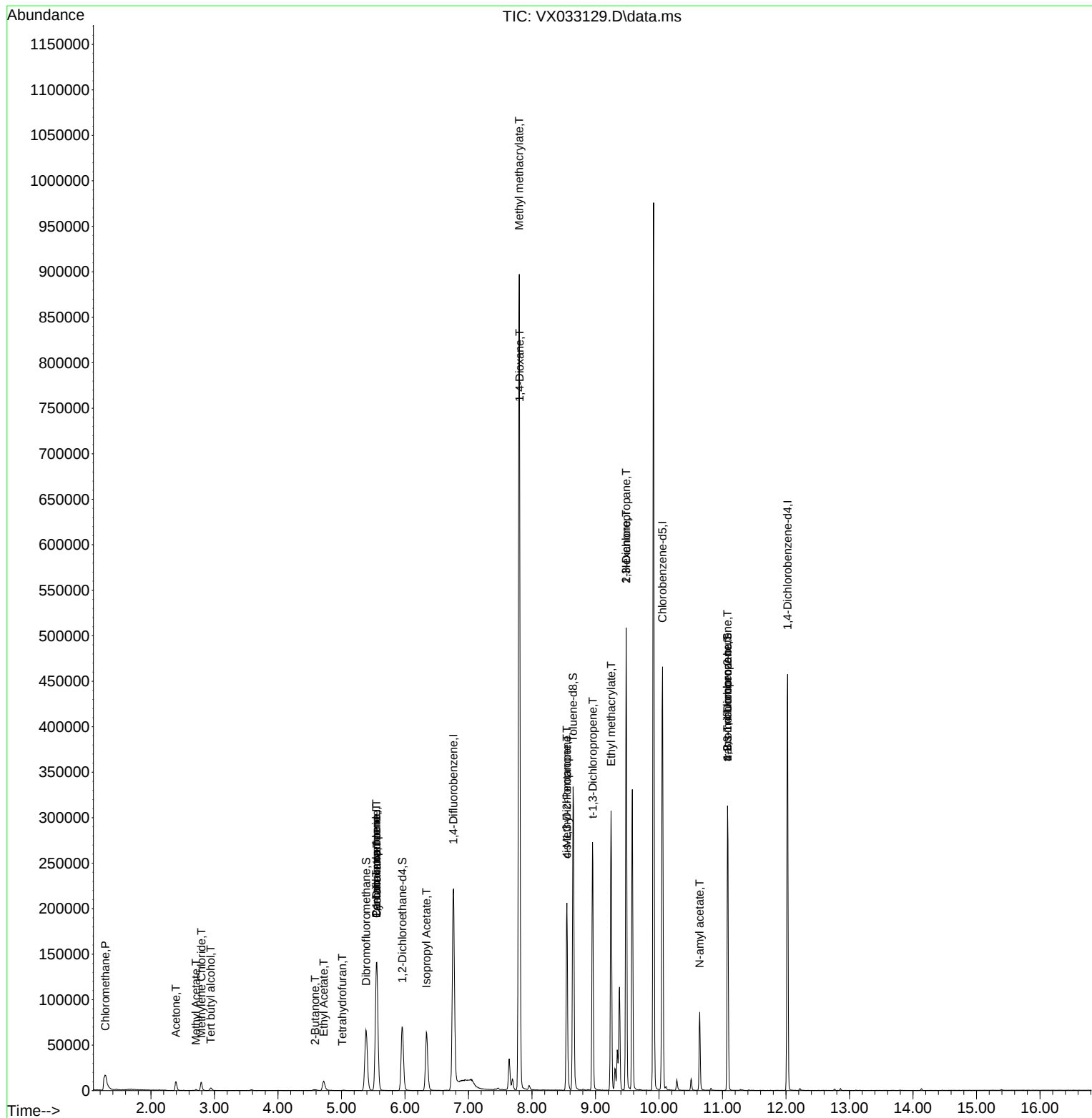
Internal Standards						
1) Pentafluorobenzene	5.550	168	133870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	218434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72132	55.486	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.980%	
35) Dibromofluoromethane	5.385	113	57915	47.030	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.060%	
50) Toluene-d8	8.647	98	198428	53.714	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.420%	
62) 4-Bromofluorobenzene	11.079	95	79548	49.175	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	1138	1.031	ug/l #	43
11) Tert butyl alcohol	2.941	59	1915	9.266	ug/l #	72
16) Acetone	2.392	43	12690	20.843	ug/l	98
18) Methyl Acetate	2.709	43	1555	0.923	ug/l #	87
20) Methylene Chloride	2.794	84	4495	2.311	ug/l	96
25) 2-Butanone	4.587	43	1008	1.201	ug/l #	85
29) Tetrahydrofuran	5.013	42	109	0.205	ug/l #	44
31) Cyclohexane	5.556	56	2858	1.353	ug/l #	9
36) 1,1-Dichloropropene	5.550	75	10106	5.132	ug/l #	49
37) Ethyl Acetate	4.721	43	19307	11.239	ug/l	97
38) Carbon Tetrachloride	5.550	117	14294	6.544	ug/l #	16
43) Isopropyl Acetate	6.336	43	85432	30.071	ug/l	99
48) Methyl methacrylate	7.799	41	81241	55.554	ug/l #	44
49) 1,4-Dioxane	7.806	88	109	4.049	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70978	40.487	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	497	1.735	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31532	14.219	ug/l #	62
56) Ethyl methacrylate	9.244	69	635	0.312	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4327	1.813	ug/l #	42
59) 2-Hexanone	9.482	43	59886	46.242	ug/l #	50
74) N-amyl acetate	10.640	43	21495	9.402	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	42918	24.097	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42918	78.326	ug/l #	6

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

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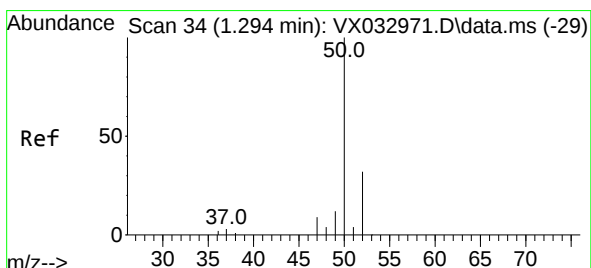
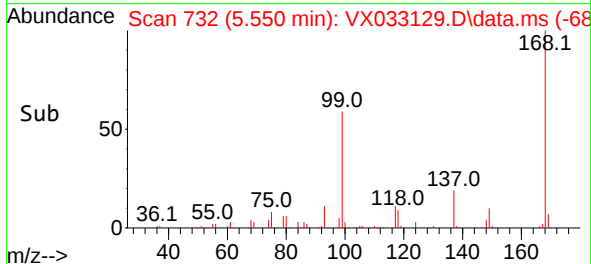
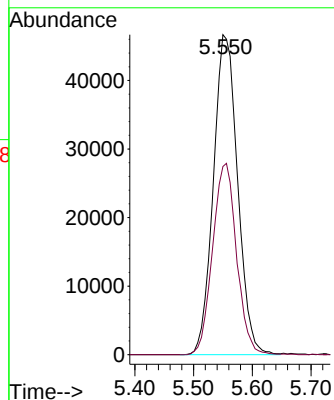
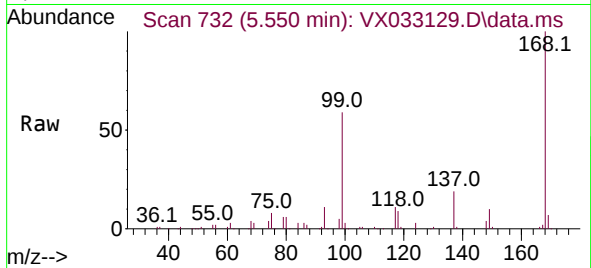




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

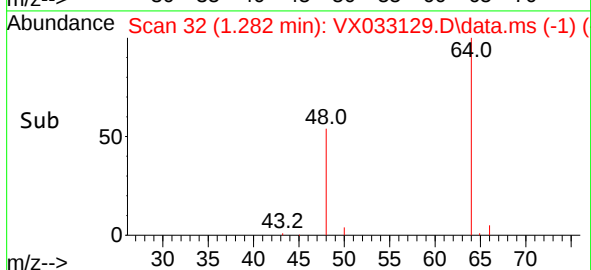
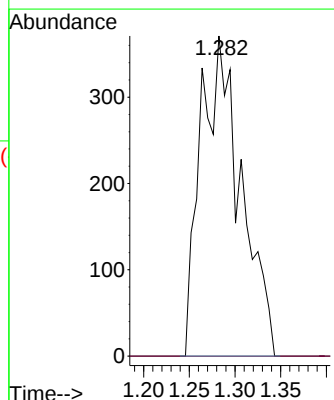
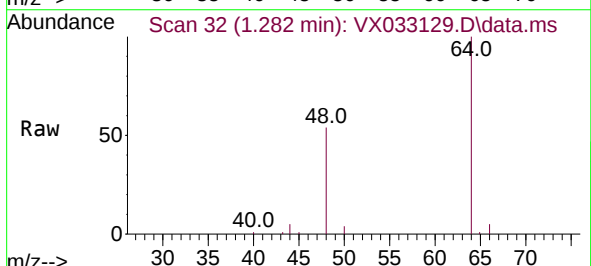
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

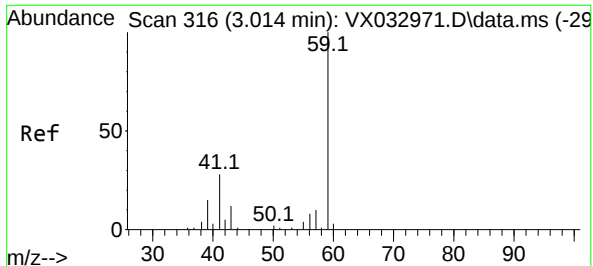
Tgt Ion:168 Resp: 133870
Ion Ratio Lower Upper
168 100
99 58.8 46.1 69.1



#3
Chloromethane
Concen: 1.031 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 50 Resp: 1138
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 9.266 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

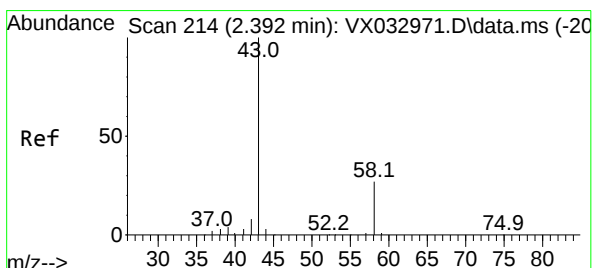
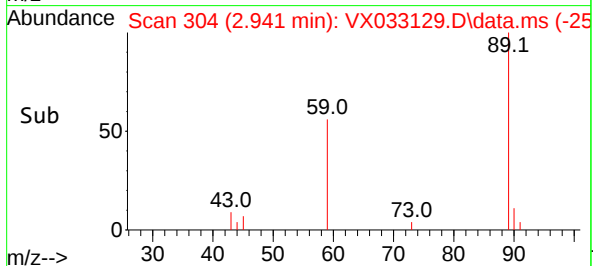
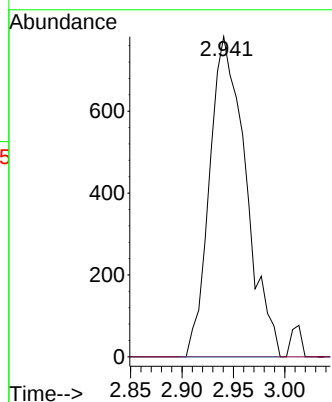
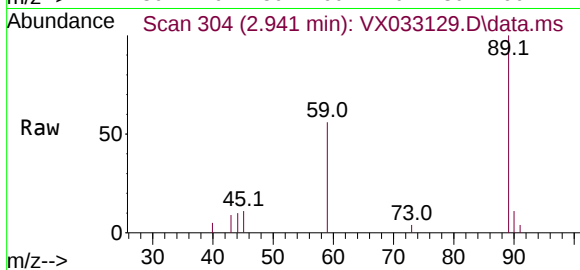
COMP-1

Tgt Ion: 59 Resp: 1915

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 20.843 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX033129.D

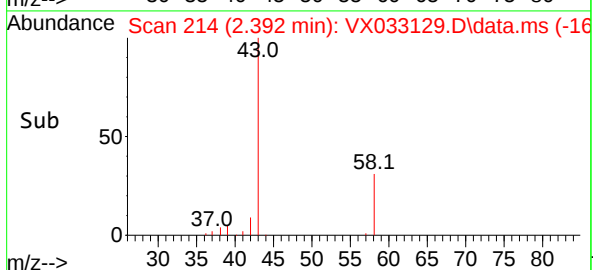
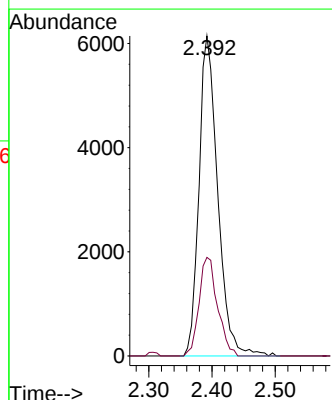
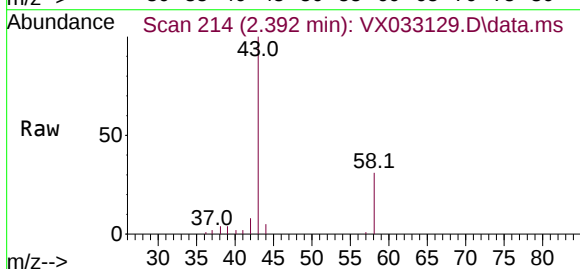
Acq: 30 Nov 2022 14:09

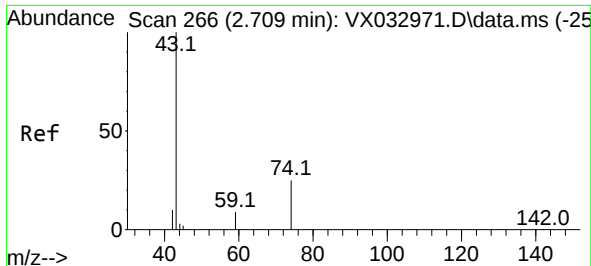
Tgt Ion: 43 Resp: 12690

Ion Ratio Lower Upper

43 100

58 30.8 23.8 35.8





#18

Methyl Acetate

Concen: 0.923 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

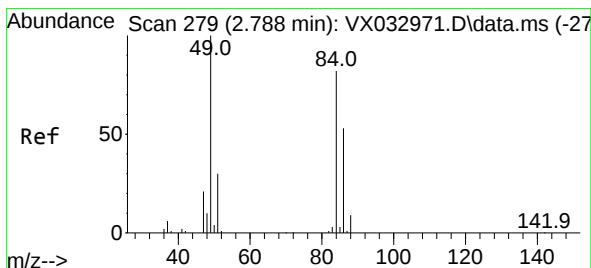
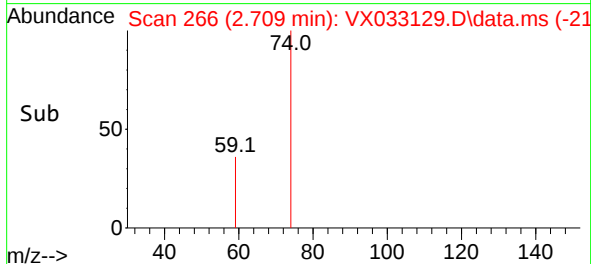
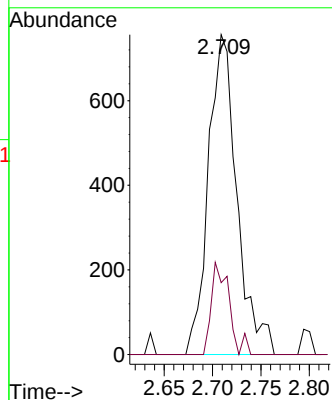
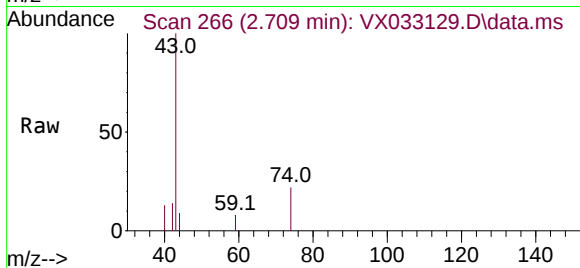
COMP-1

Tgt Ion: 43 Resp: 1555

Ion Ratio Lower Upper

43 100

74 17.9 19.4 29.0#



#20

Methylene Chloride

Concen: 2.311 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Tgt Ion: 84 Resp: 4495

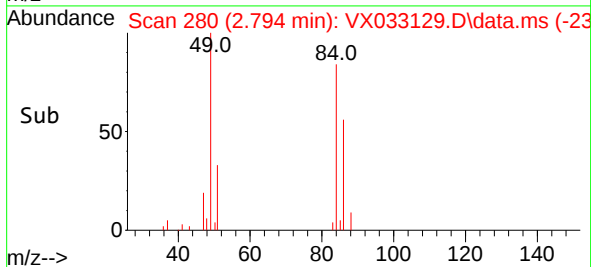
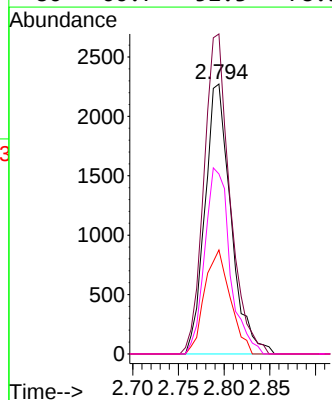
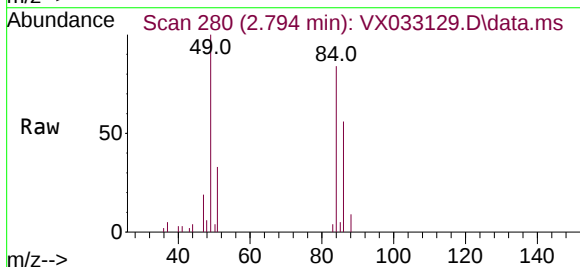
Ion Ratio Lower Upper

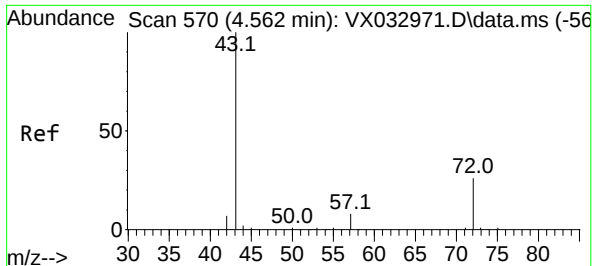
84 100

49 118.6 101.0 151.6

51 38.6 31.1 46.7

86 66.7 52.3 78.5





#25

2-Butanone

Concen: 1.201 ug/l

RT: 4.587 min Scan# 5

Delta R.T. 0.031 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

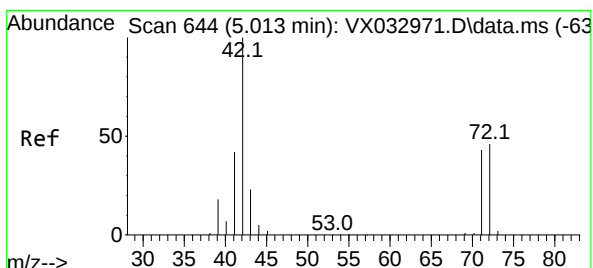
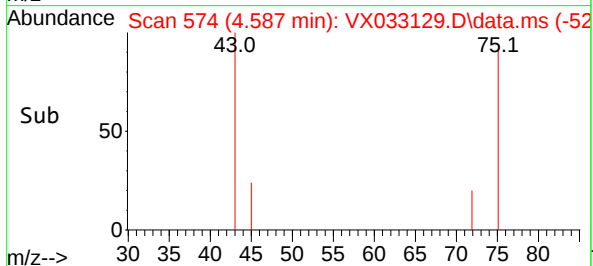
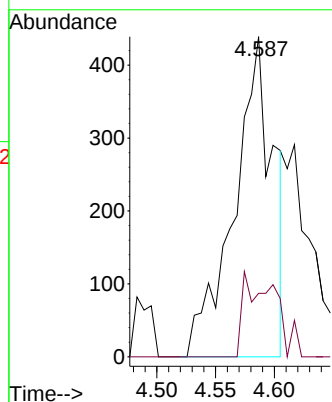
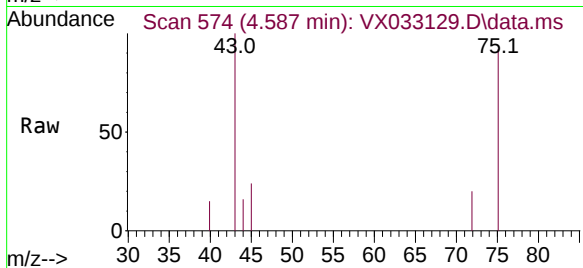
COMP-1

Tgt Ion: 43 Resp: 1008

Ion Ratio Lower Upper

43 100

72 19.8 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.205 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

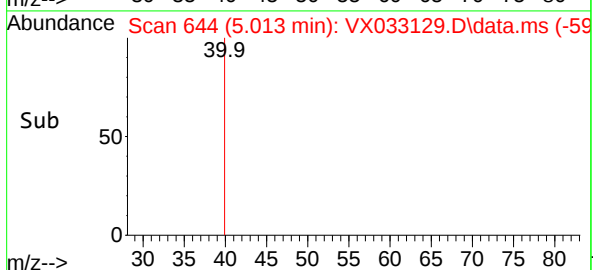
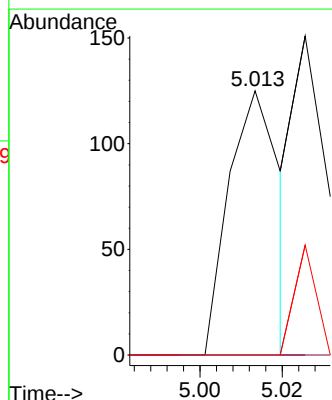
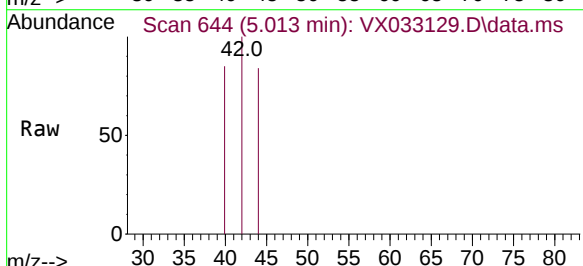
Tgt Ion: 42 Resp: 109

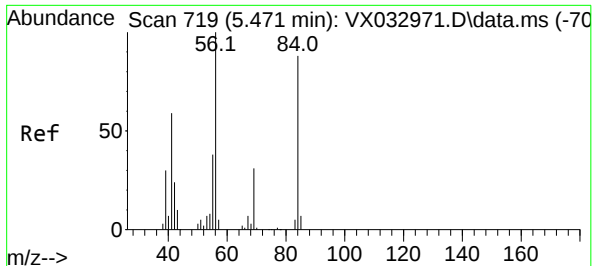
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 17.4 34.7 52.1#

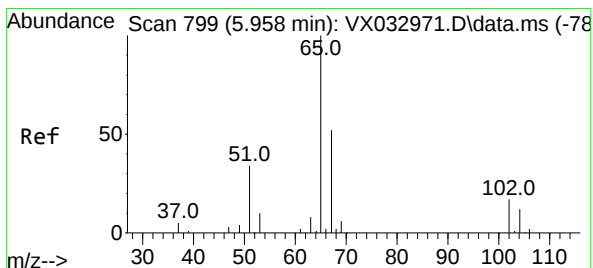
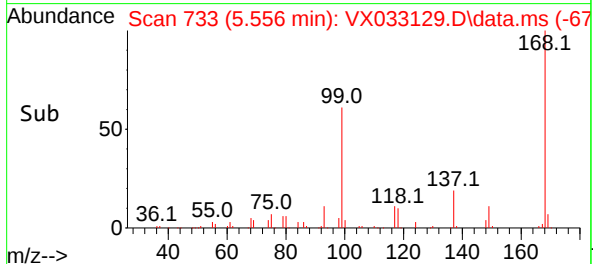
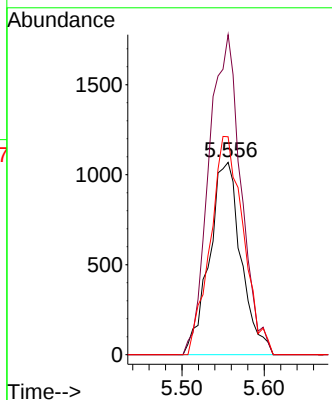
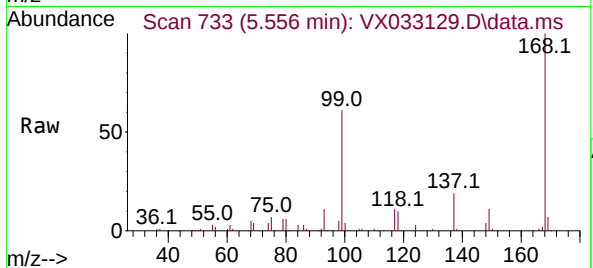




#31
Cyclohexane
Concen: 1.353 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

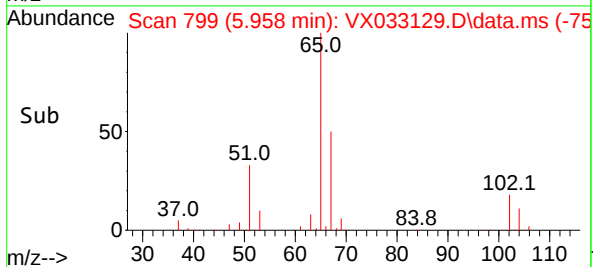
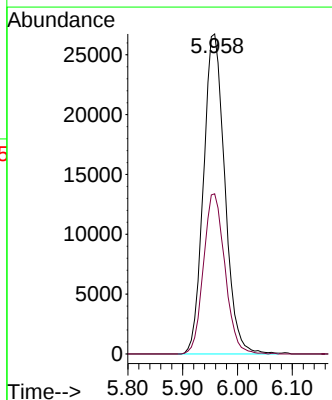
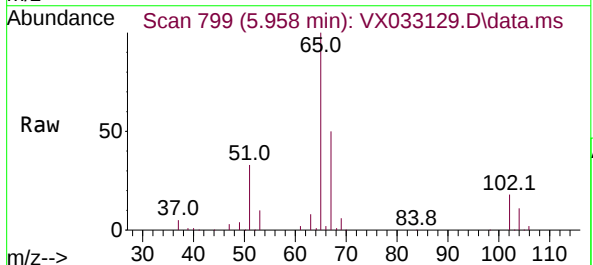
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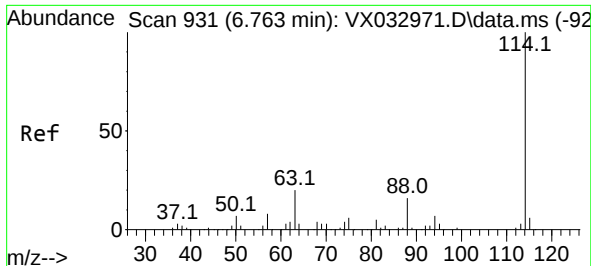
Tgt Ion: 56 Resp: 2858
Ion Ratio Lower Upper
56 100
69 166.3 24.1 36.1#
84 113.3 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 55.486 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 65 Resp: 72132
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8

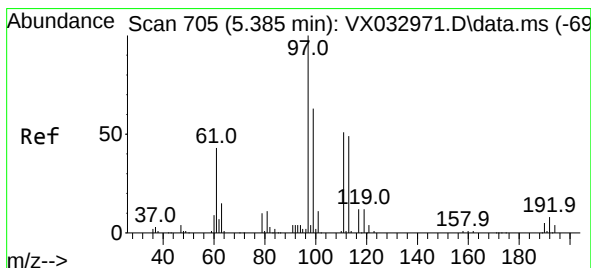
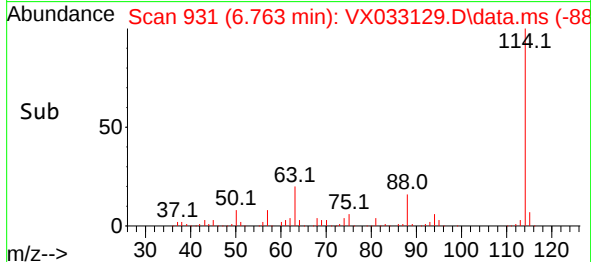
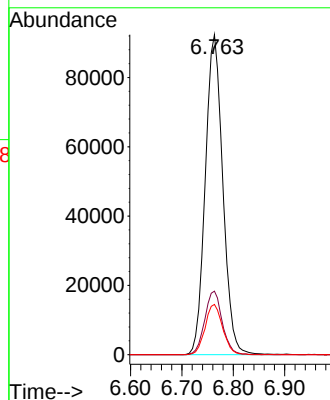
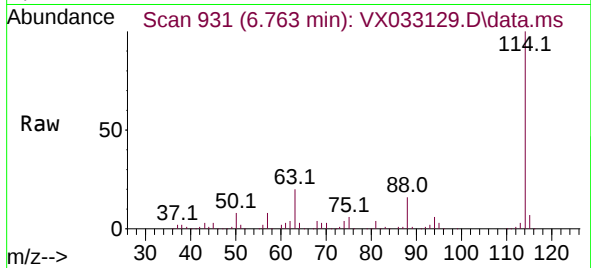




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

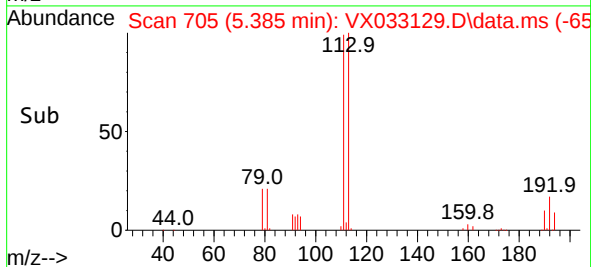
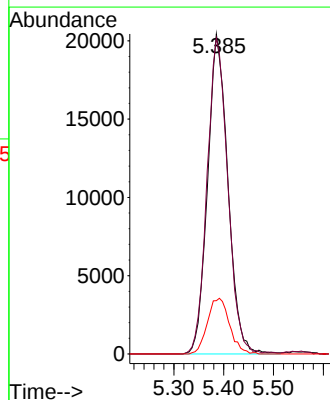
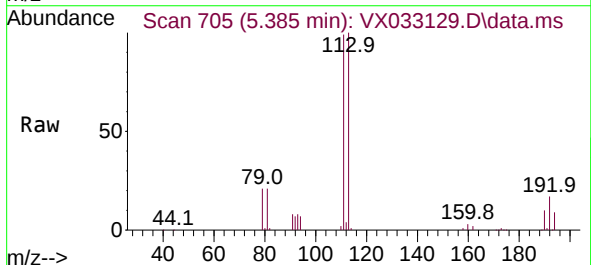
Instrument :
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ClientSampleId :
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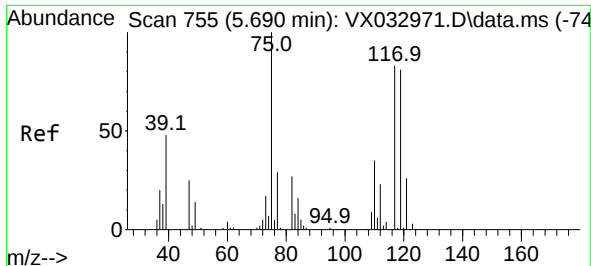
Tgt Ion:114 Resp: 218434
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.6
88 15.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.030 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion:113 Resp: 57915
Ion Ratio Lower Upper
113 100
111 100.4 82.4 123.6
192 18.9 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.132 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

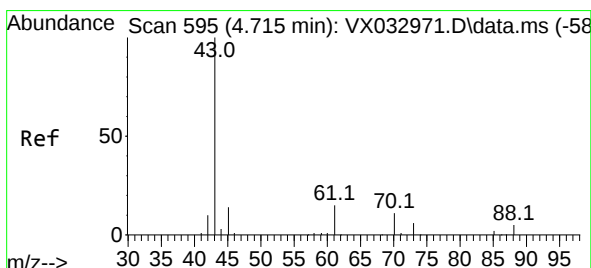
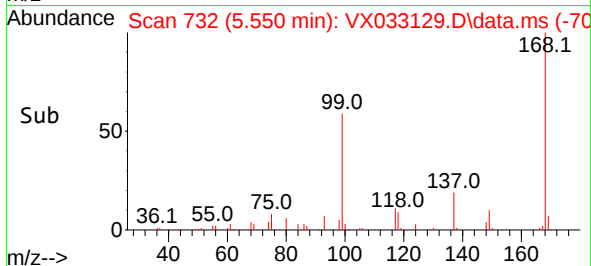
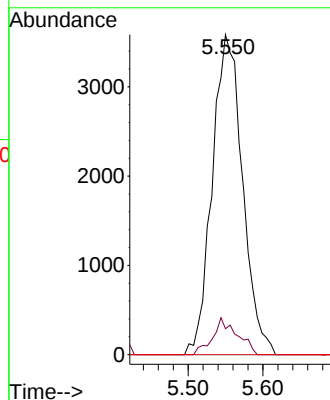
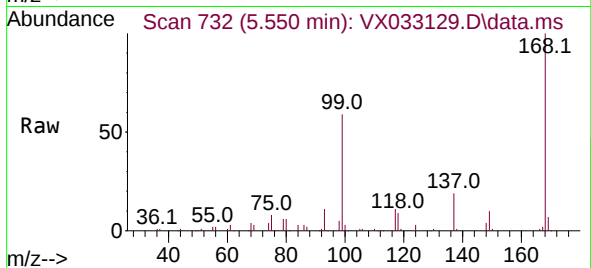
Tgt Ion: 75 Resp: 10106

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.239 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

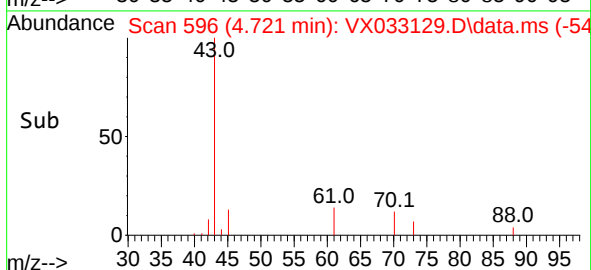
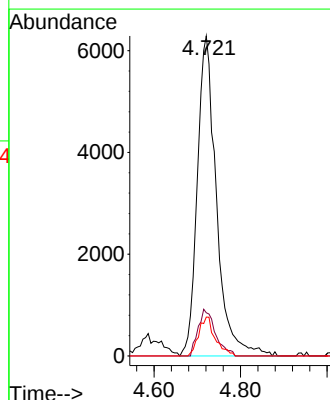
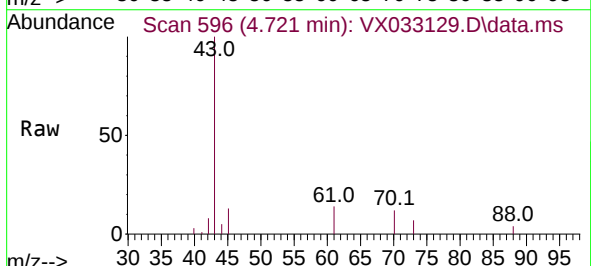
Tgt Ion: 43 Resp: 19307

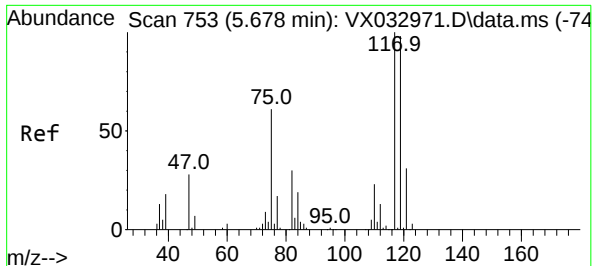
Ion Ratio Lower Upper

43 100

61 13.2 11.5 17.3

70 10.5 9.1 13.7

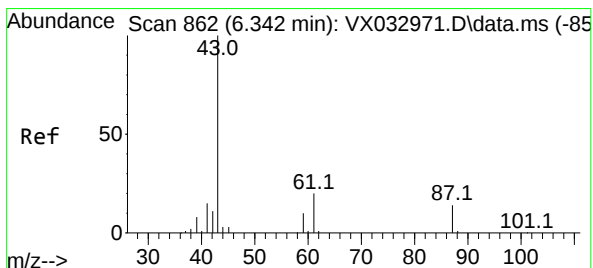
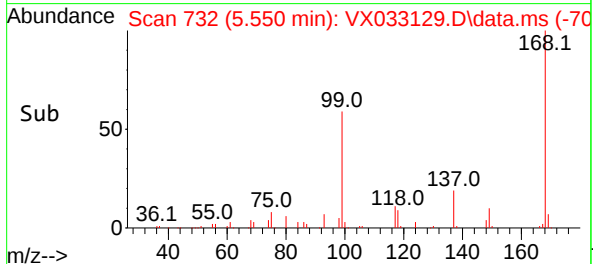
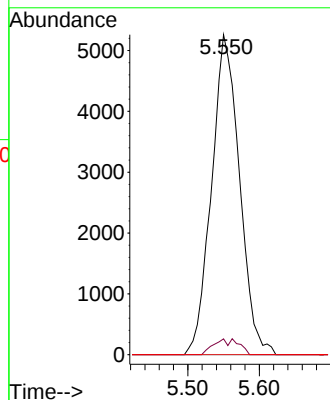
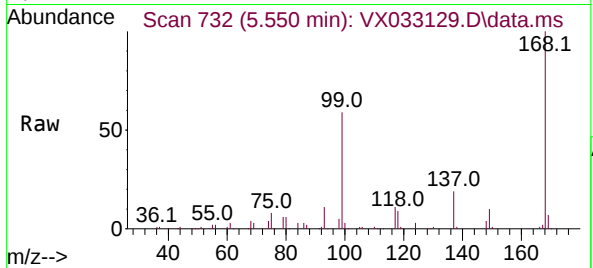




#38
Carbon Tetrachloride
Concen: 6.544 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

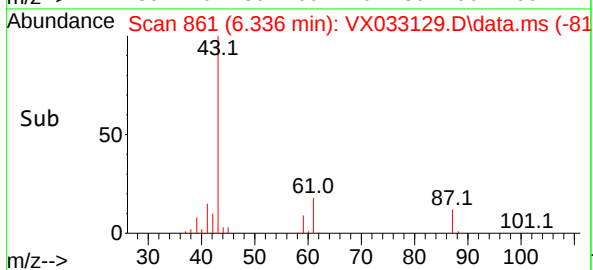
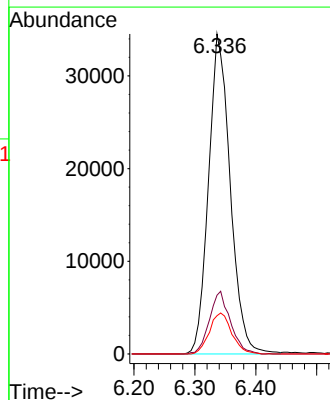
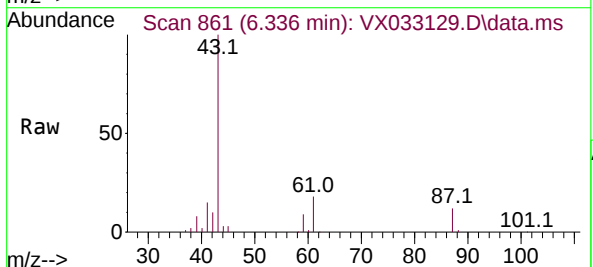
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

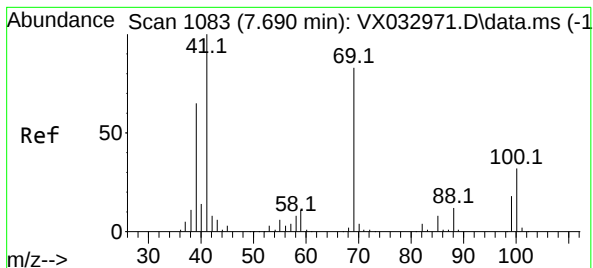
Tgt Ion:117 Resp: 14294
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 30.071 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 43 Resp: 85432
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.0
87 13.1 10.8 16.2





#48

Methyl methacrylate

Concen: 55.554 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

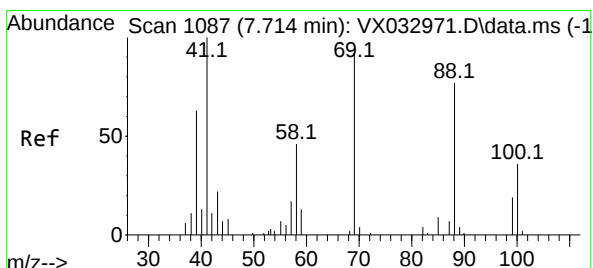
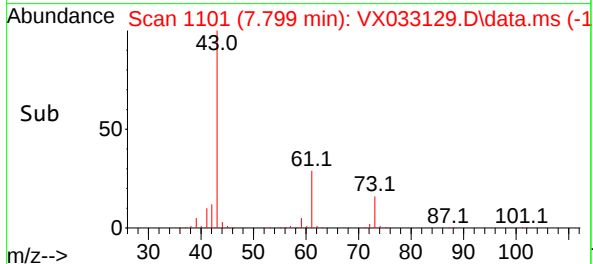
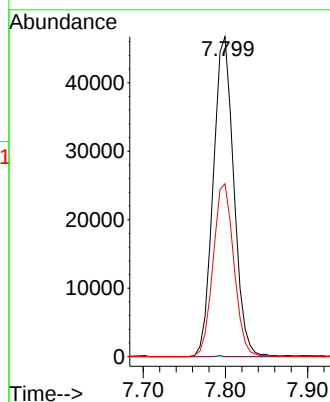
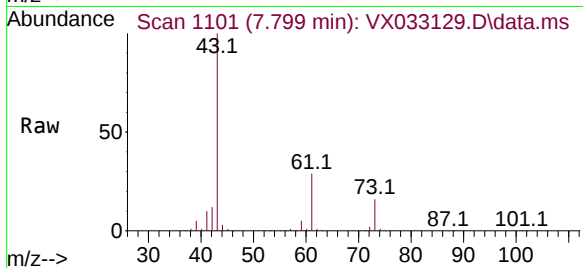
Tgt Ion: 41 Resp: 81241

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 54.8 51.9 77.9



#49

1,4-Dioxane

Concen: 4.049 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.135 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

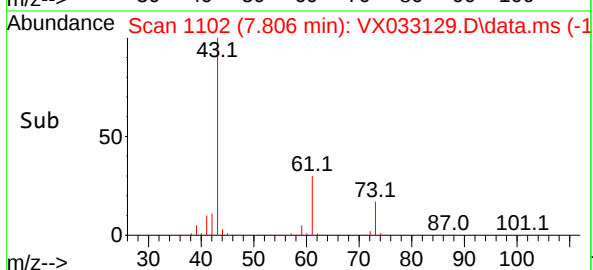
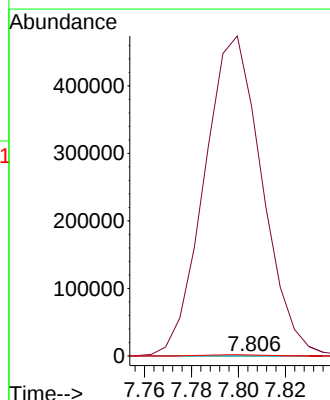
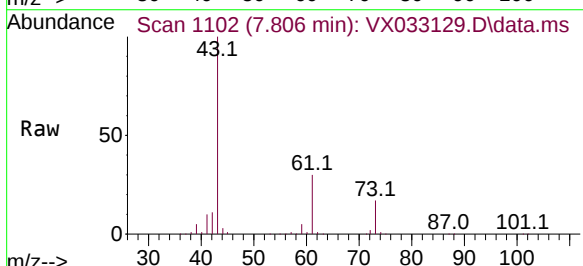
Tgt Ion: 88 Resp: 109

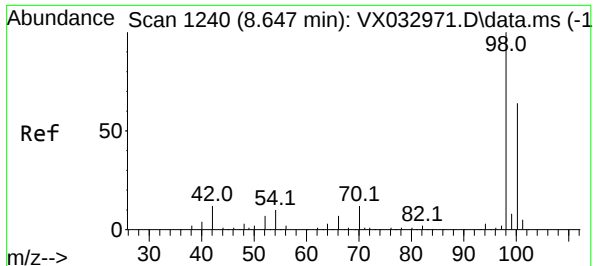
Ion Ratio Lower Upper

88 100

43 747819.3 26.6 39.8#

58 3063.3 51.7 77.5#





#50

Toluene-d8

Concen: 53.714 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

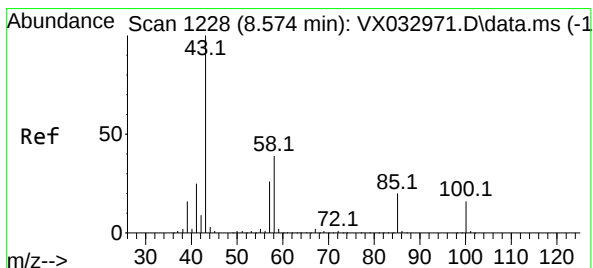
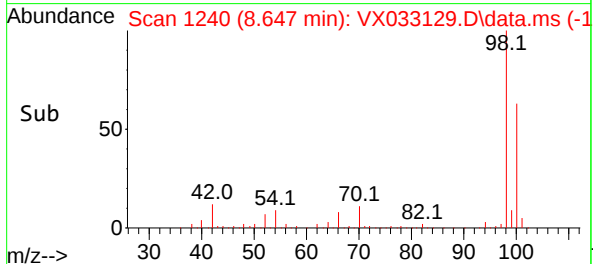
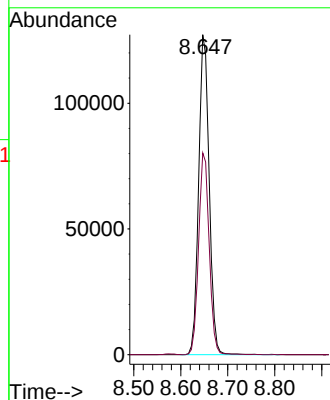
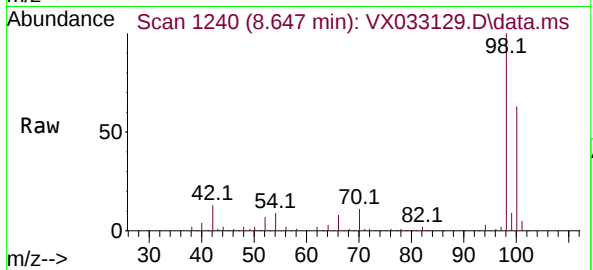
COMP-1

Tgt Ion: 98 Resp: 198428

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 40.487 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX033129.D

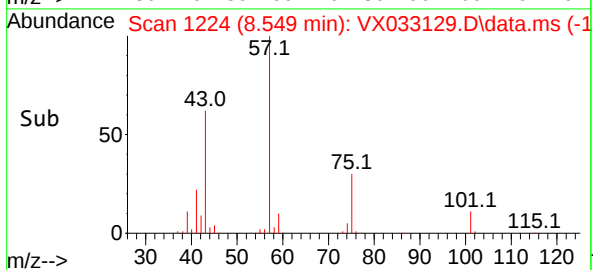
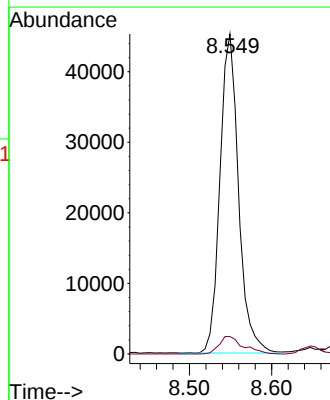
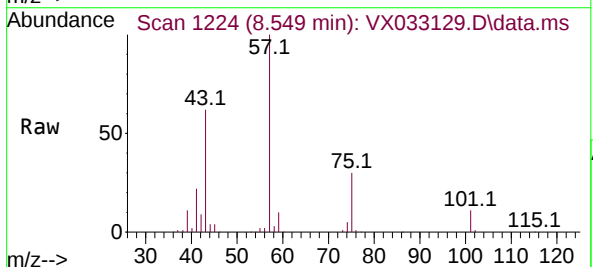
Acq: 30 Nov 2022 14:09

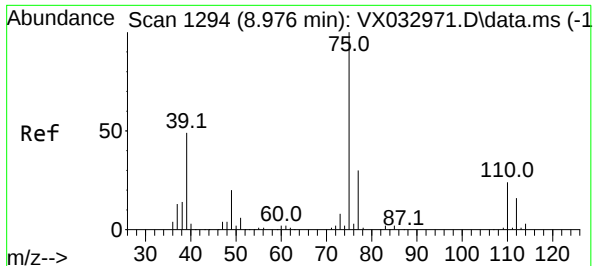
Tgt Ion: 43 Resp: 70978

Ion Ratio Lower Upper

43 100

58 7.1 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.735 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

Instrument :

MSVOA_X

ClientSampleId :

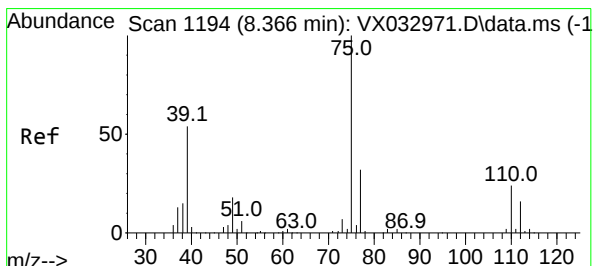
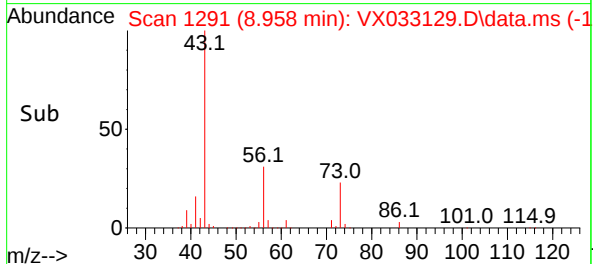
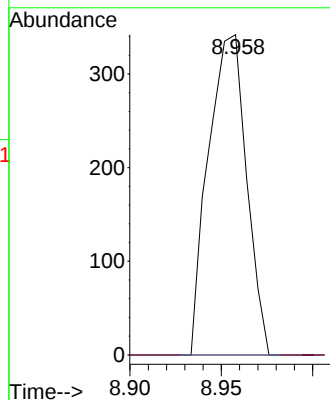
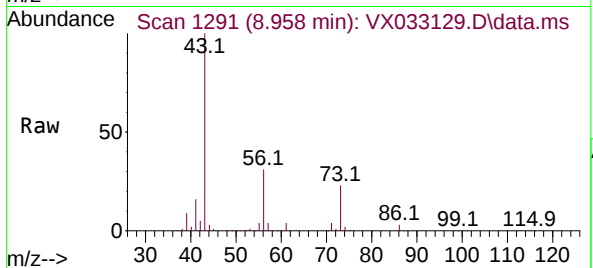
COMP-1

Tgt Ion: 75 Resp: 497

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 14.219 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033129.D

Acq: 30 Nov 2022 14:09

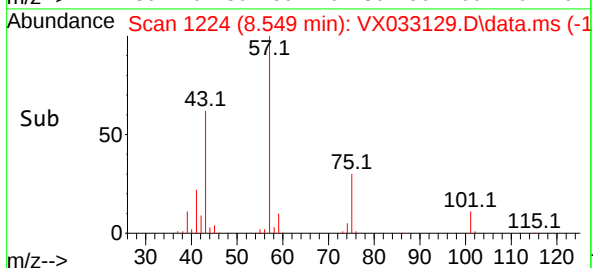
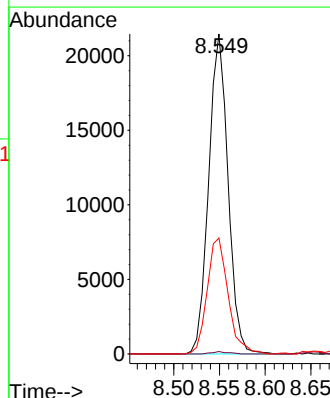
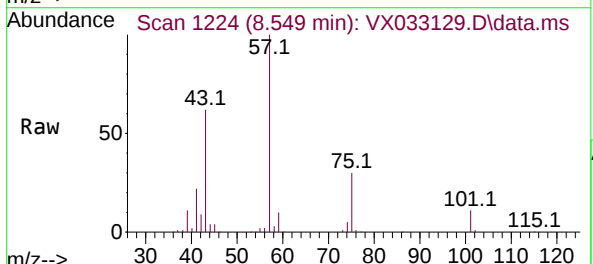
Tgt Ion: 75 Resp: 31532

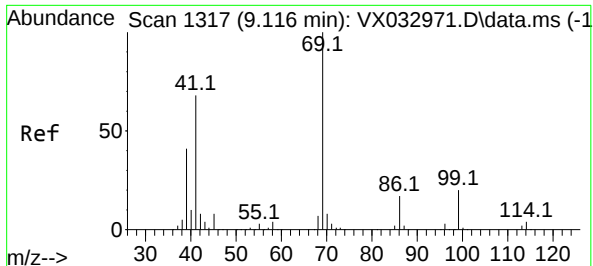
Ion Ratio Lower Upper

75 100

77 0.7 25.1 37.7#

39 36.2 45.5 68.3#

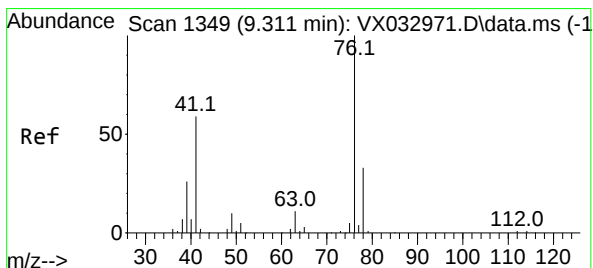
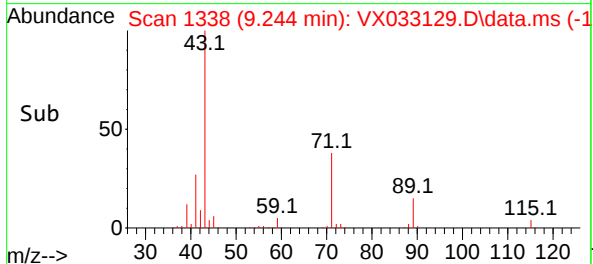
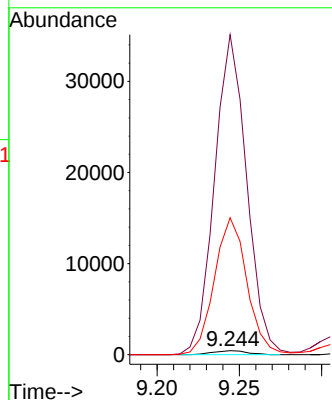
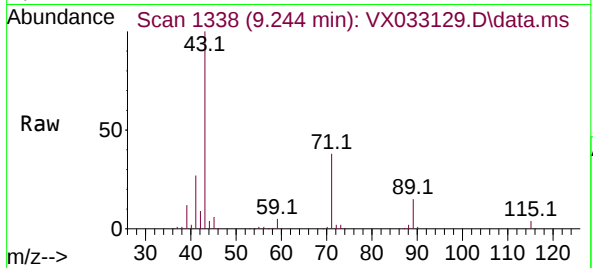




#56
Ethyl methacrylate
Concen: 0.312 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

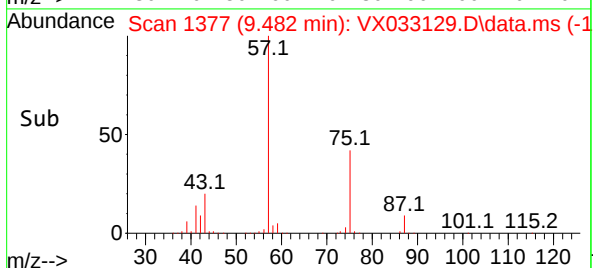
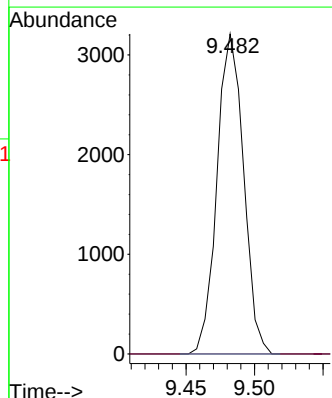
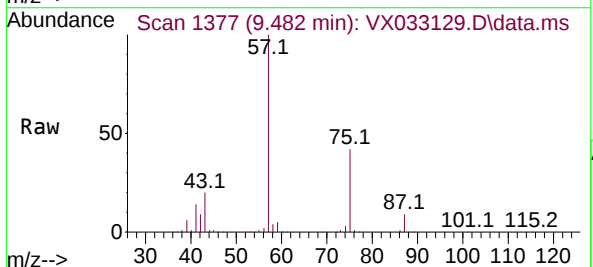
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

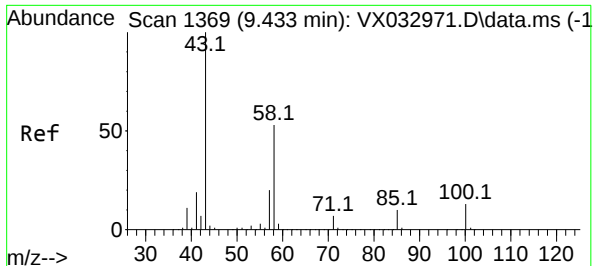
Tgt Ion: 69 Resp: 635
Ion Ratio Lower Upper
69 100
41 7528.0 54.3 81.5#
39 3261.7 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.813 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 76 Resp: 4327
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

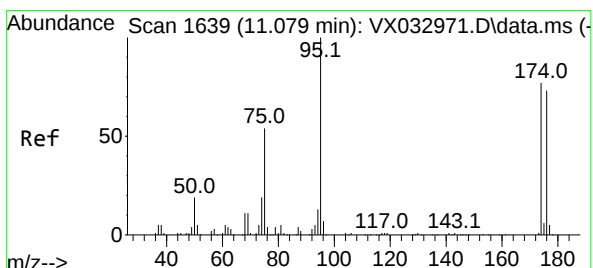
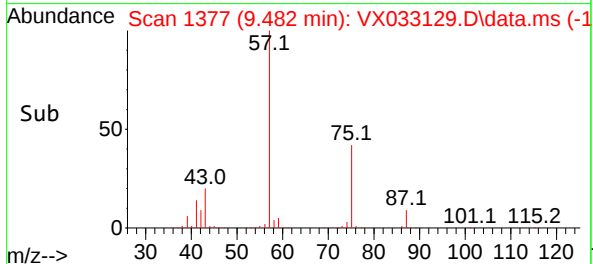
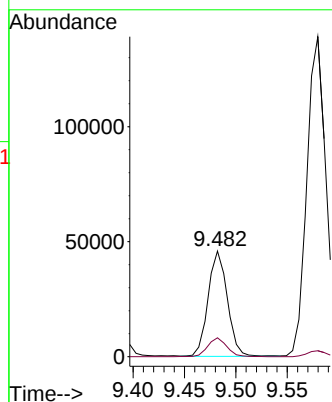
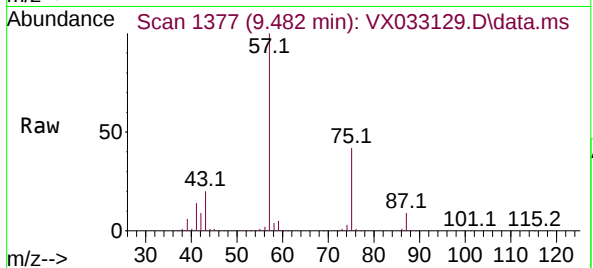




#59
2-Hexanone
Concen: 46.242 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

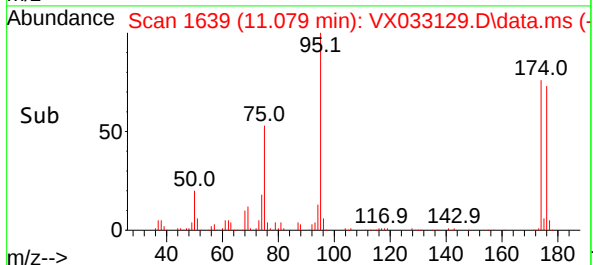
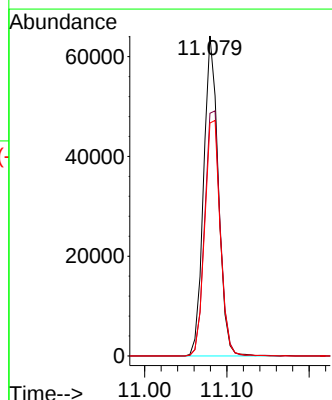
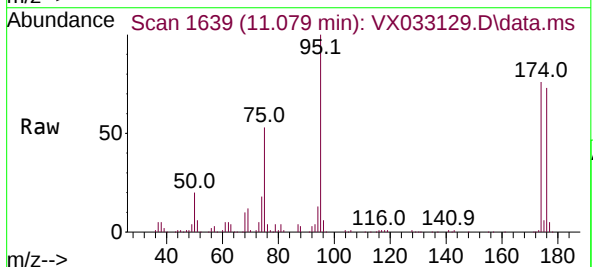
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

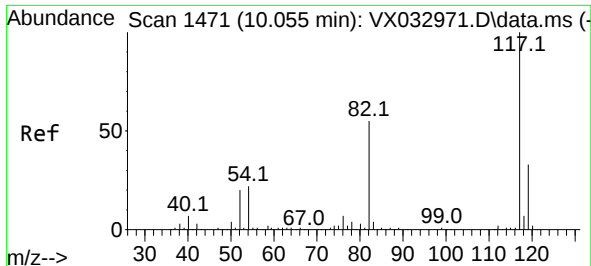
Tgt Ion: 43 Resp: 59886
Ion Ratio Lower Upper
43 100
58 17.8 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 95 Resp: 79548
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 78.1 0.0 154.4

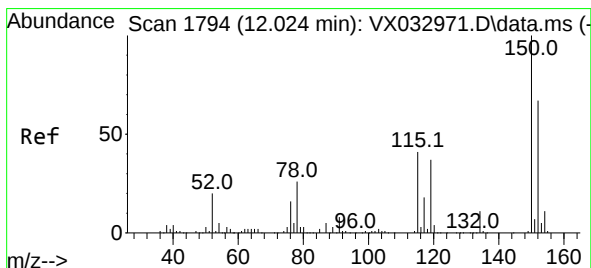
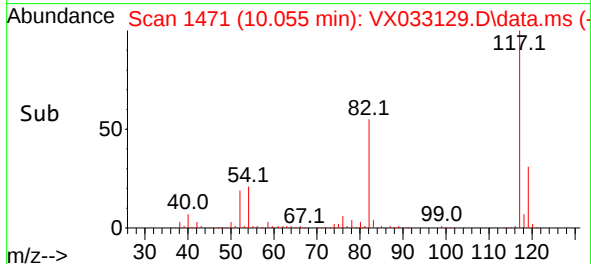
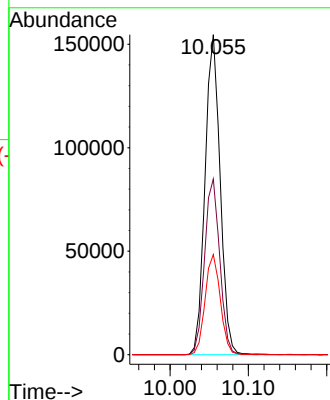
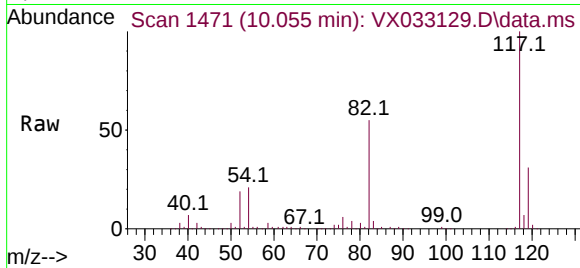




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

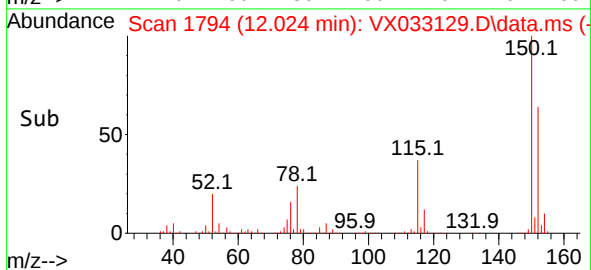
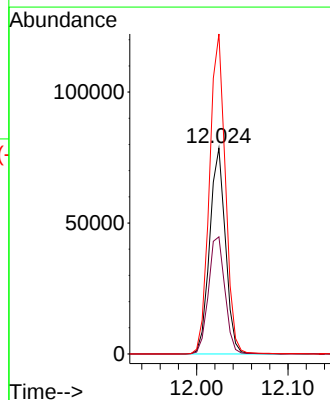
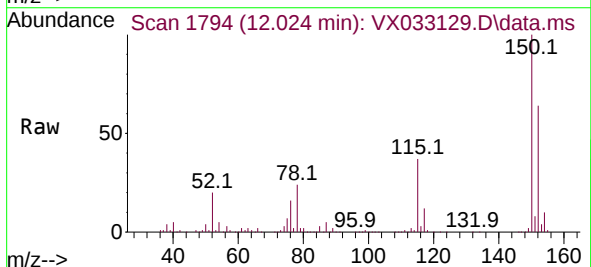
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

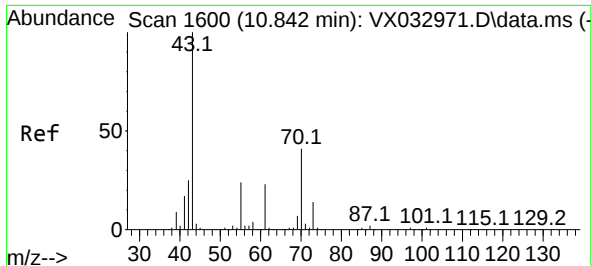
Tgt Ion:117 Resp: 206682
Ion Ratio Lower Upper
117 100
82 54.9 44.3 66.5
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion:152 Resp: 94045
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 156.7 0.0 351.8

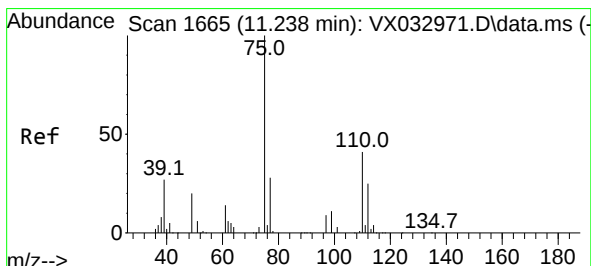
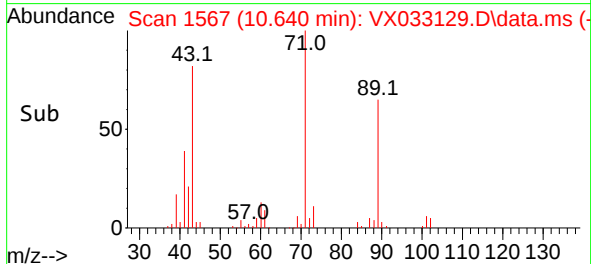
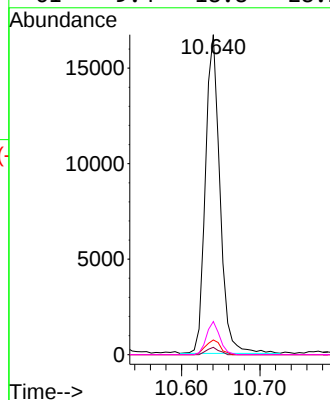
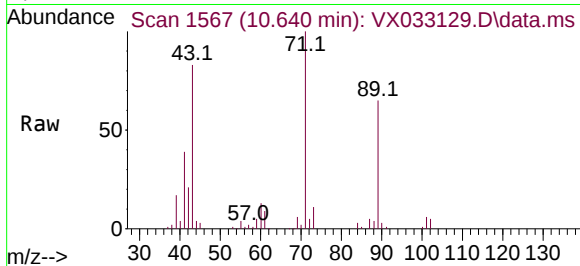




#74
N-amy1 acetate
Concen: 9.402 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

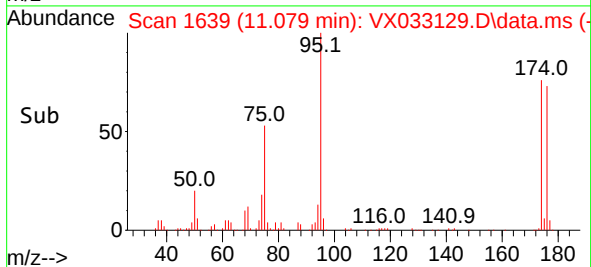
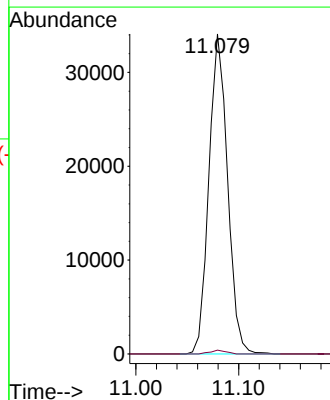
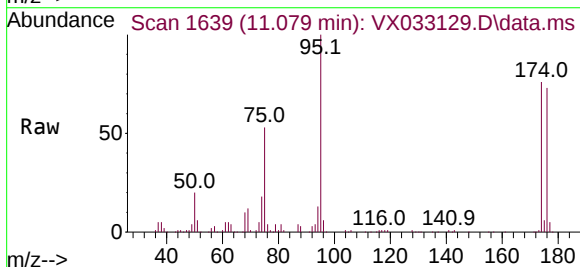
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

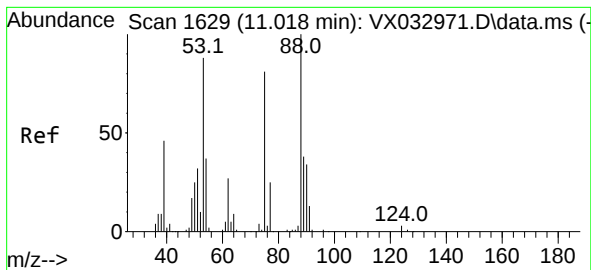
Tgt Ion: 43	Resp: 21495
Ion Ratio	Lower Upper
43 100	
70 2.0	33.6 50.4#
55 4.7	19.4 29.2#
61 9.4	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.097 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033129.D
Acq: 30 Nov 2022 14:09

Tgt Ion: 75	Resp: 42918
Ion Ratio	Lower Upper
75 100	
77 1.0	20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.326 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033129.D
 Acq: 30 Nov 2022 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 42918
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.1 38.3 57.5#

