

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033127.D
 Acq On : 30 Nov 2022 13:23
 Operator : JC/MD
 Sample : N5803-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PEQ-STOCK

Quant Time: Dec 01 00:19:07 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)

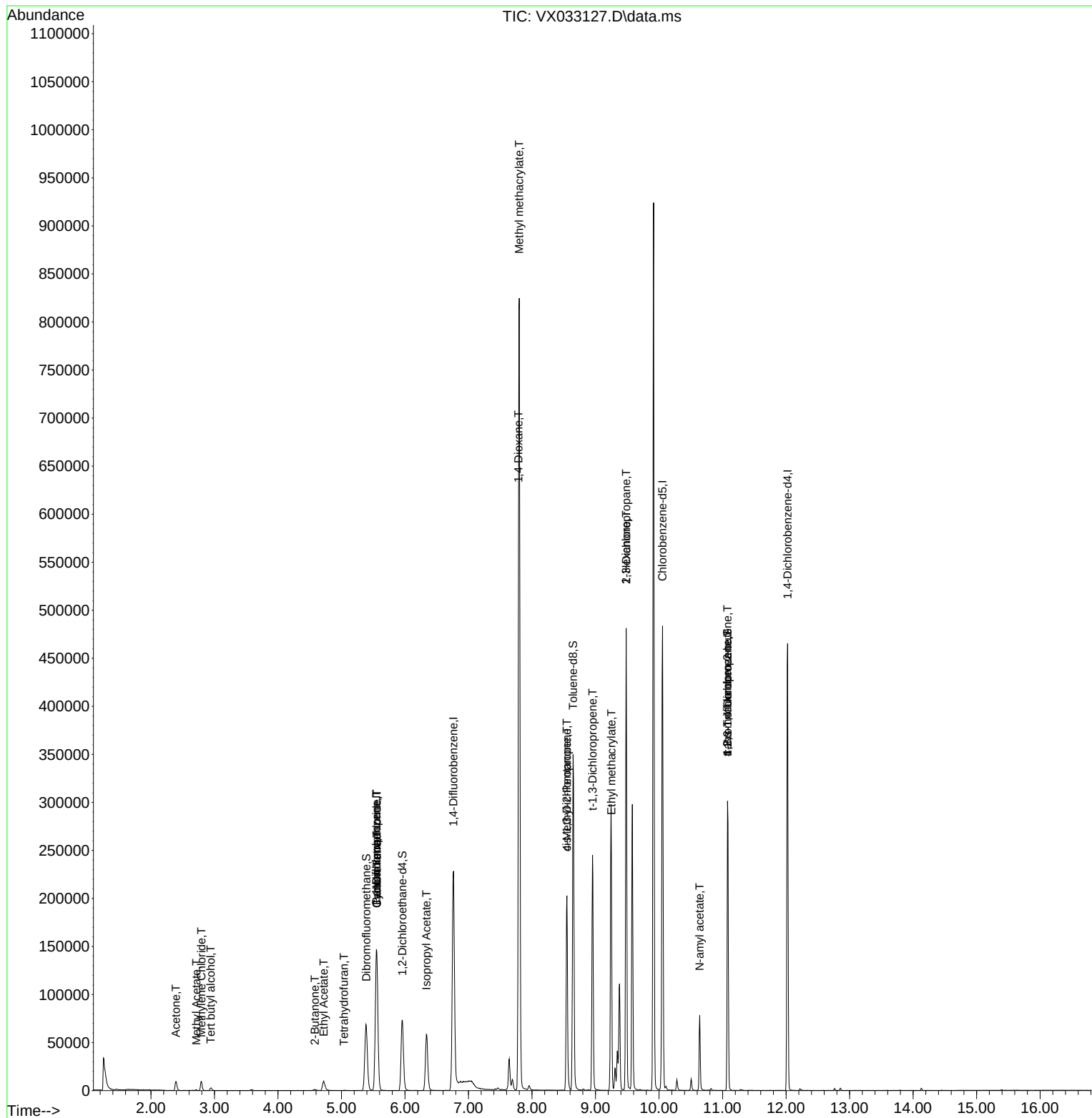
Internal Standards						
1) Pentafluorobenzene	5.549	168	138460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	210679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74460	55.371	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.740%			
35) Dibromofluoromethane	5.391	113	59690	46.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.040%			
50) Toluene-d8	8.646	98	206268	53.588	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.180%			
62) 4-Bromofluorobenzene	11.079	95	76168	45.194	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.380%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	1717	8.033	ug/l #	72
16) Acetone	2.391	43	12859	20.420	ug/l	96
18) Methyl Acetate	2.715	43	1031	0.591	ug/l	95
20) Methylene Chloride	2.794	84	4715	2.362	ug/l	91
25) 2-Butanone	4.580	43	1259	1.450	ug/l	90
29) Tetrahydrofuran	5.037	42	324	0.588	ug/l #	35
31) Cyclohexane	5.556	56	3038	1.391	ug/l #	23
36) 1,1-Dichloropropene	5.549	75	11085	5.403	ug/l #	49
37) Ethyl Acetate	4.720	43	17891	9.996	ug/l	97
38) Carbon Tetrachloride	5.556	117	14503	6.373	ug/l #	15
43) Isopropyl Acetate	6.336	43	80277	27.121	ug/l	99
48) Methyl methacrylate	7.799	41	75979	49.868	ug/l #	44
49) 1,4-Dioxane	7.787	88	87	3.102	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69545	38.076	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	468	1.714	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	30534	13.216	ug/l #	63
56) Ethyl methacrylate	9.250	69	680	0.320	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3786	1.522	ug/l #	42
59) 2-Hexanone	9.482	43	55779	41.341	ug/l #	51
74) N-amyl acetate	10.640	43	18825	8.012	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	41241	22.530	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41241	73.233	ug/l #	6

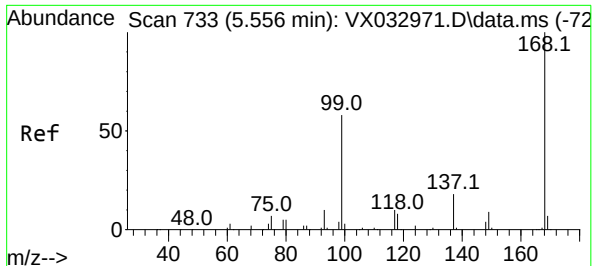
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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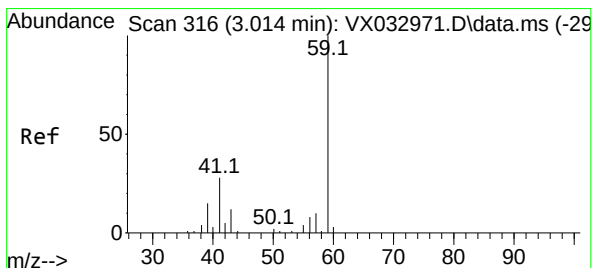
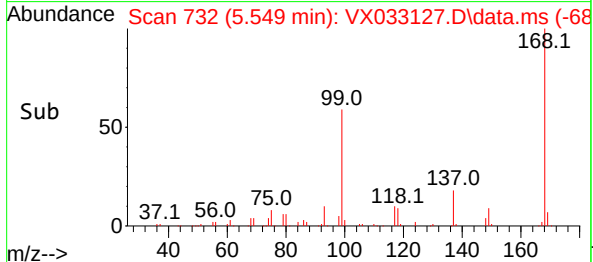
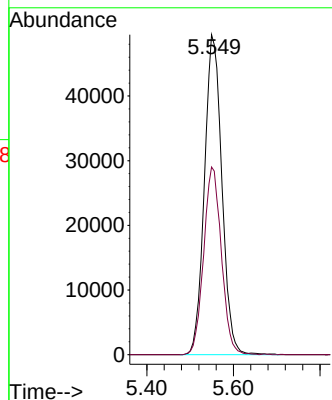
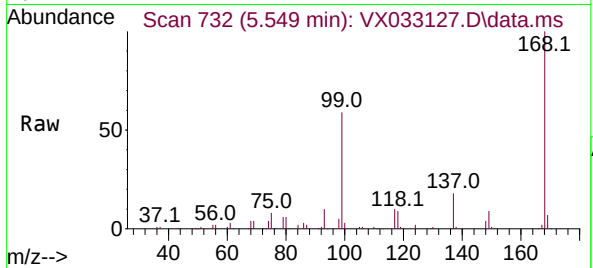




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

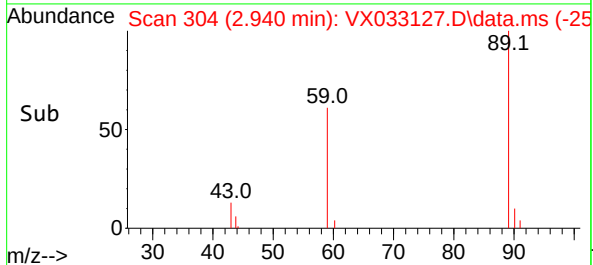
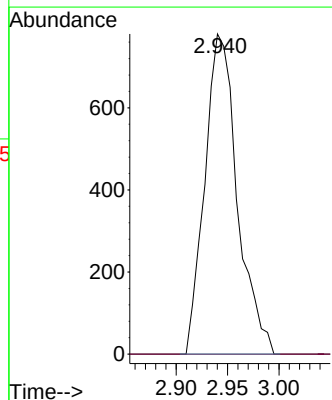
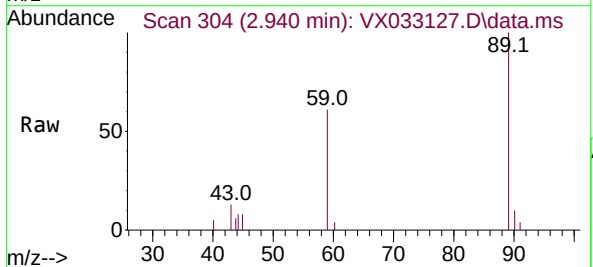
Instrument :
MSVOA_X
ClientSampleId :
PEQ-STOCK

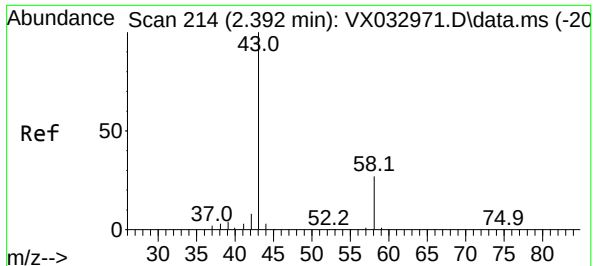
Tgt Ion:168 Resp: 138460
Ion Ratio Lower Upper
168 100
99 58.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 8.033 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.025 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion: 59 Resp: 1717
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

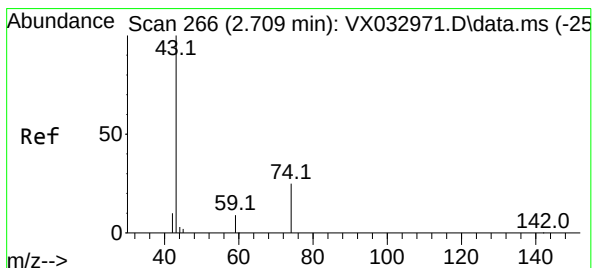
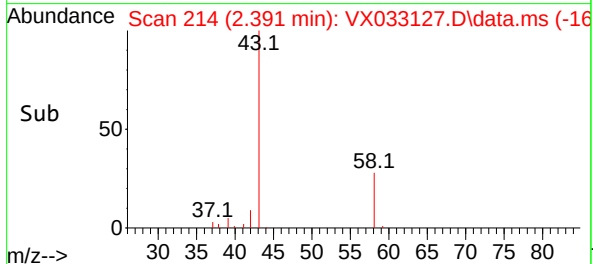
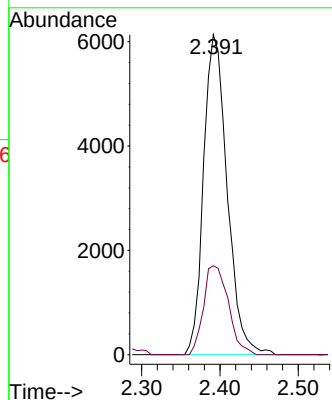
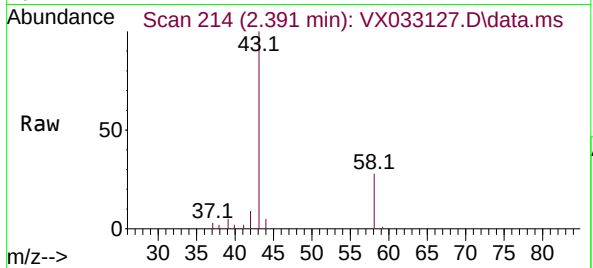




#16
Acetone
Concen: 20.420 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.011 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

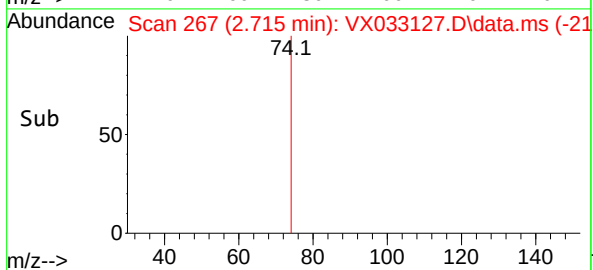
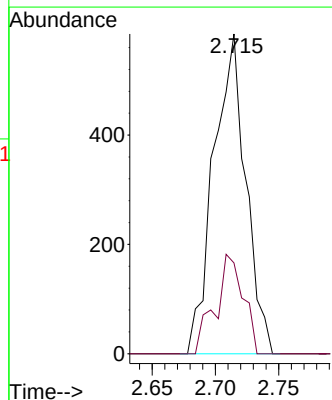
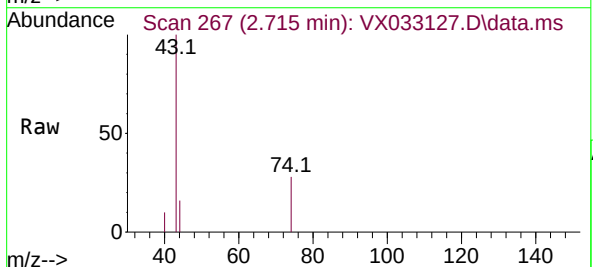
Instrument :
MSVOA_X
ClientSampleId :
PEQ-STOCK

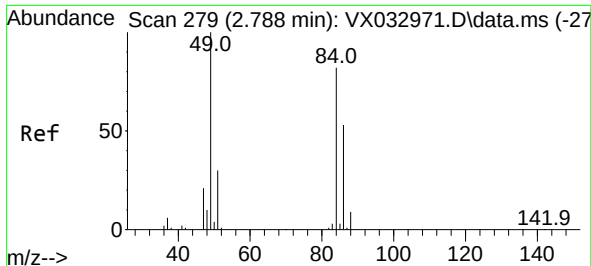
Tgt Ion: 43 Resp: 12859
Ion Ratio Lower Upper
43 100
58 27.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.591 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
74 26.9 19.4 29.0

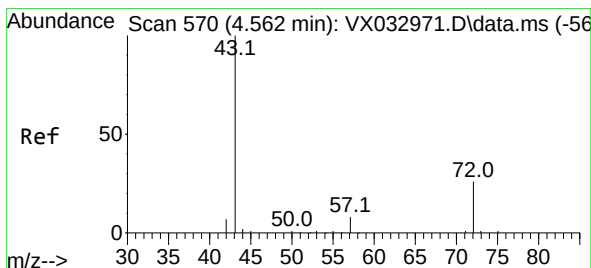
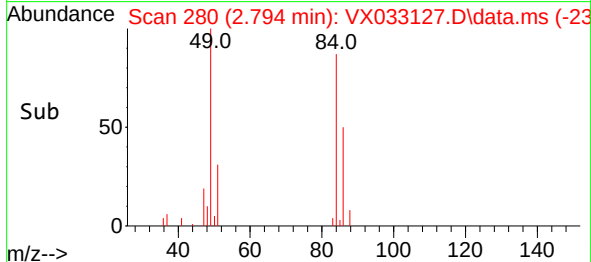
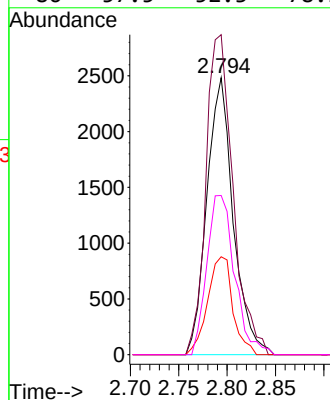
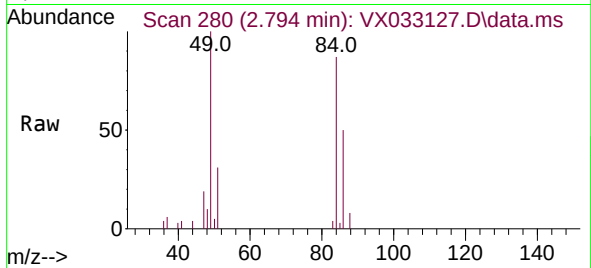




#20
Methylene Chloride
Concen: 2.362 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

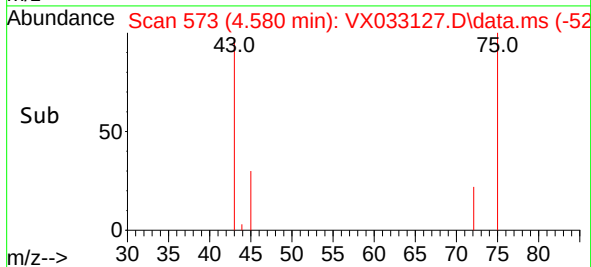
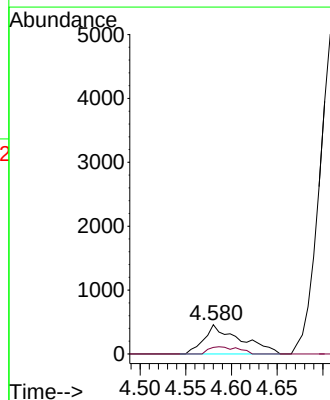
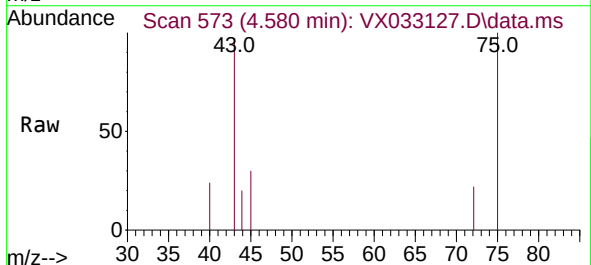
Instrument :
MSVOA_X
ClientSampleId :
PEQ-STOCK

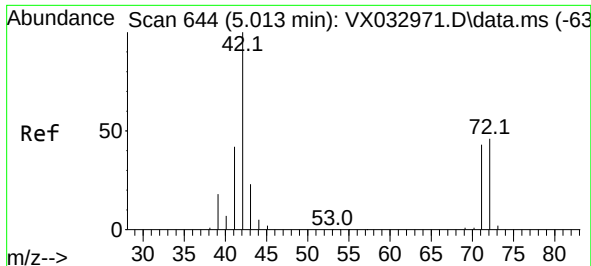
Tgt Ion:	84	Resp:	4715
Ion	Ratio	Lower	Upper
84	100		
49	115.5	101.0	151.6
51	35.4	31.1	46.7
86	57.5	52.3	78.5



#25
2-Butanone
Concen: 1.450 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion:	43	Resp:	1259
Ion	Ratio	Lower	Upper
43	100		
72	22.2	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.588 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

PEQ-STOCK

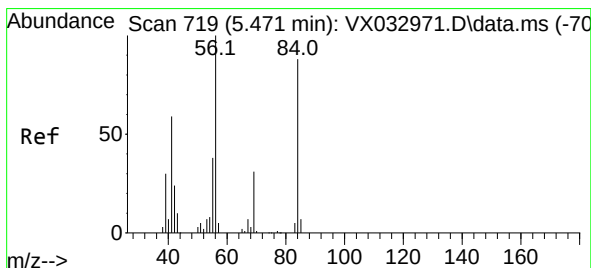
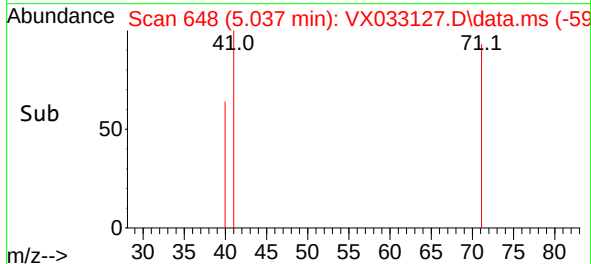
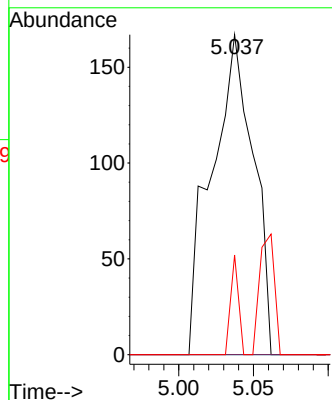
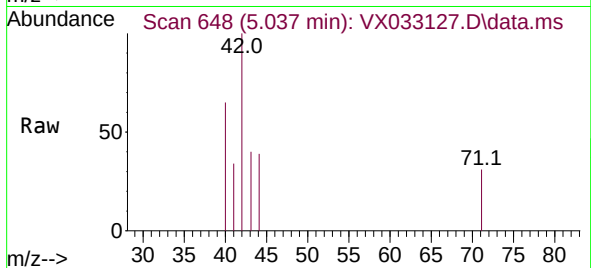
Tgt Ion: 42 Resp: 324

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 5.9 34.7 52.1#



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

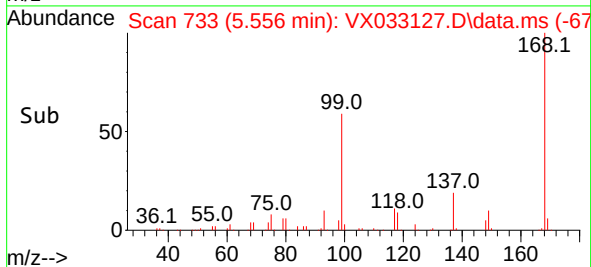
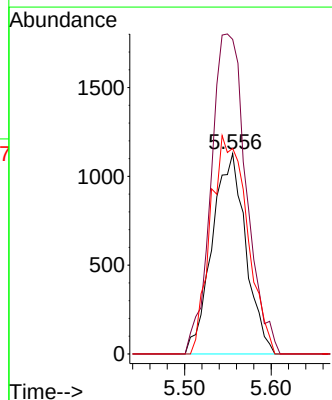
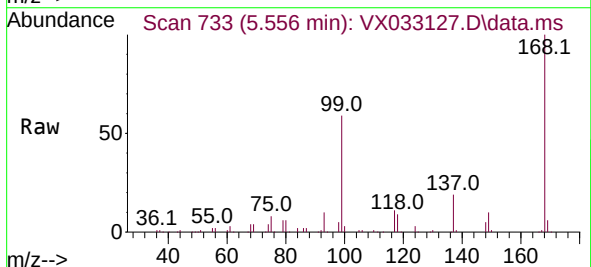
Tgt Ion: 56 Resp: 3038

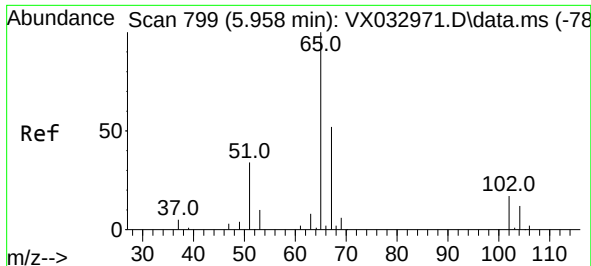
Ion Ratio Lower Upper

56 100

69 157.0 24.1 36.1#

84 102.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.371 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

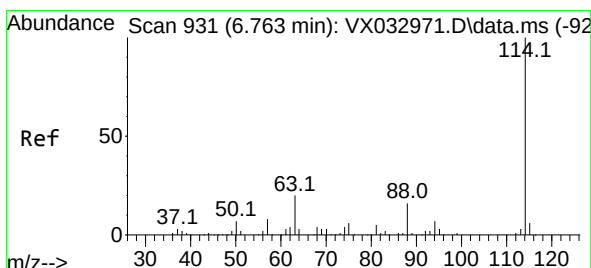
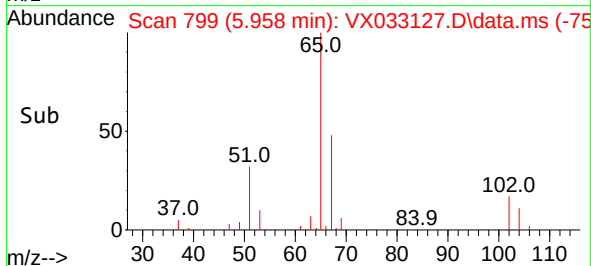
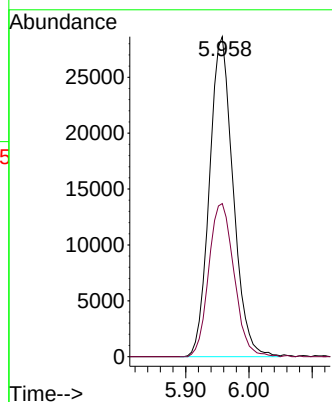
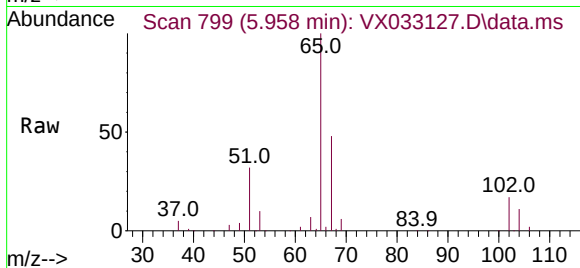
PEQ-STOCK

Tgt Ion: 65 Resp: 74460

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

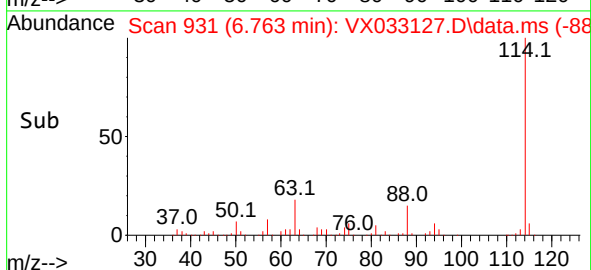
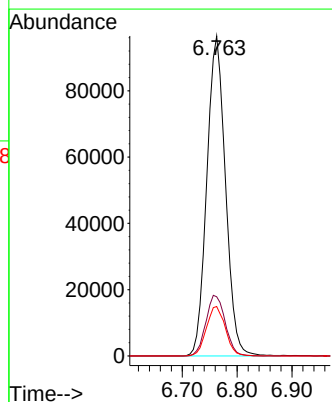
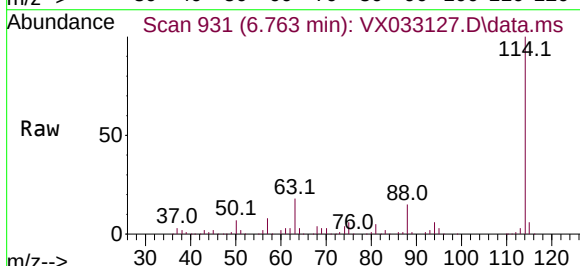
Tgt Ion: 114 Resp: 227576

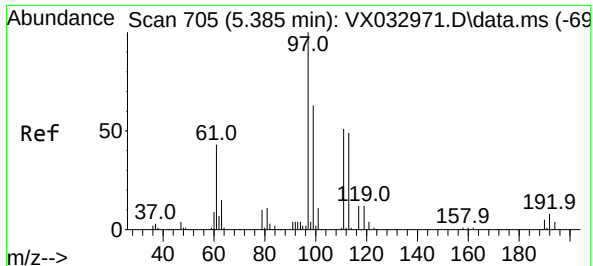
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 15.5 0.0 33.4

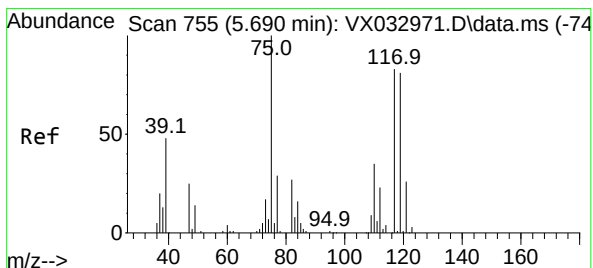
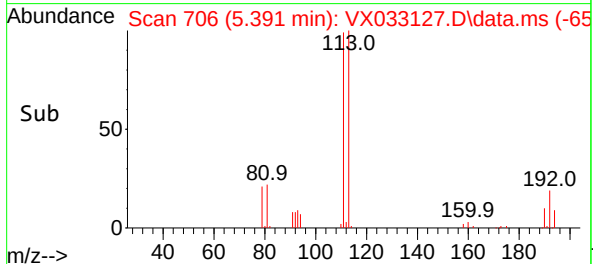
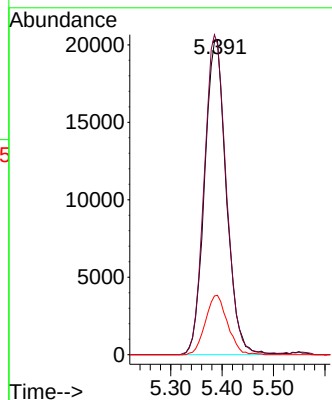
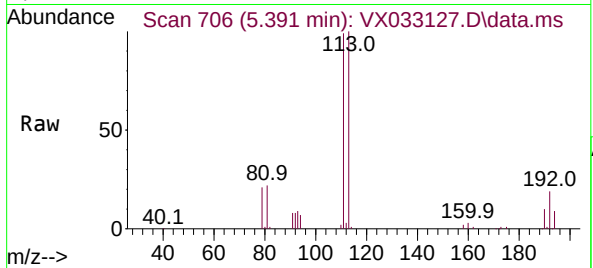




#35
Dibromofluoromethane
Concen: 46.524 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

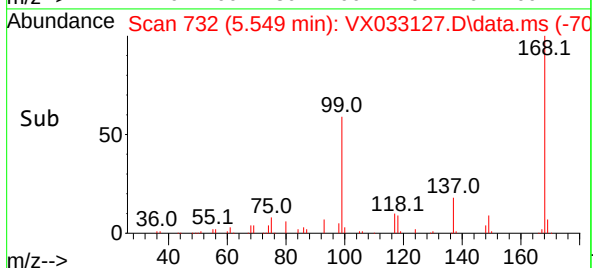
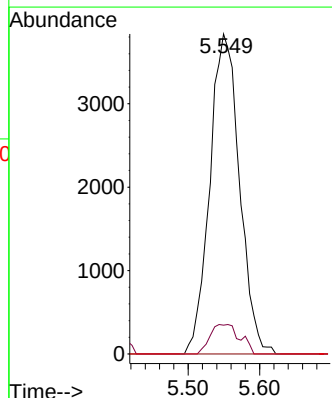
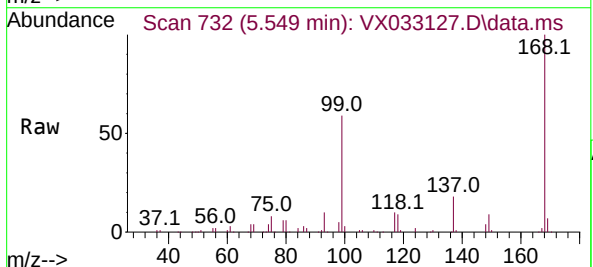
Instrument :
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PEQ-STOCK

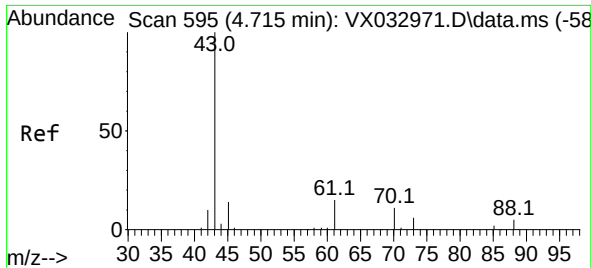
Tgt Ion:113 Resp: 59690
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.403 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion: 75 Resp: 11085
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 9.996 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.005 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

PEQ-STOCK

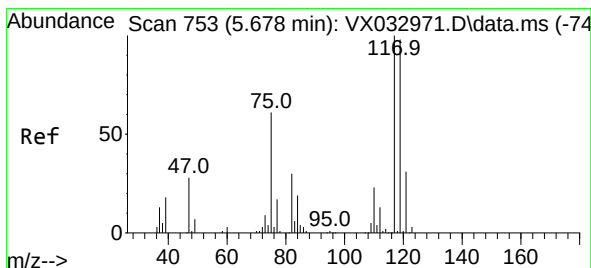
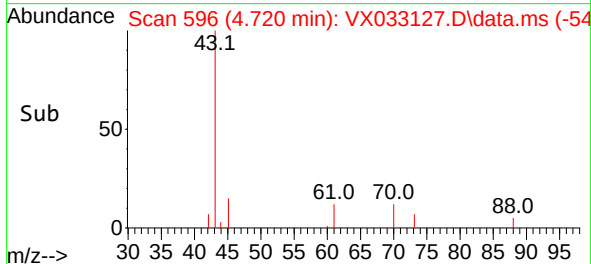
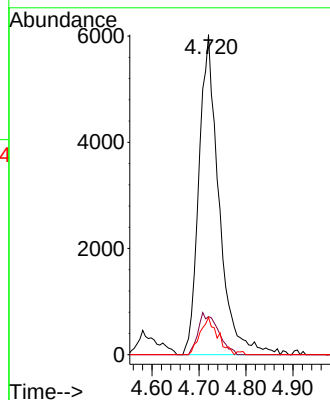
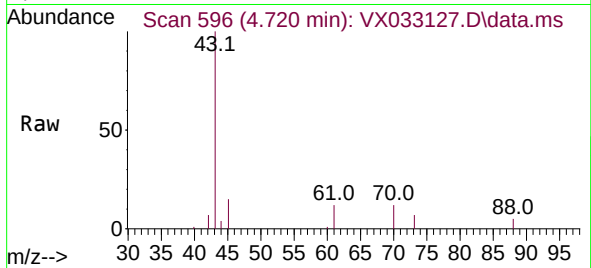
Tgt Ion: 43 Resp: 17891

Ion Ratio Lower Upper

43 100

61 13.0 11.5 17.3

70 10.2 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

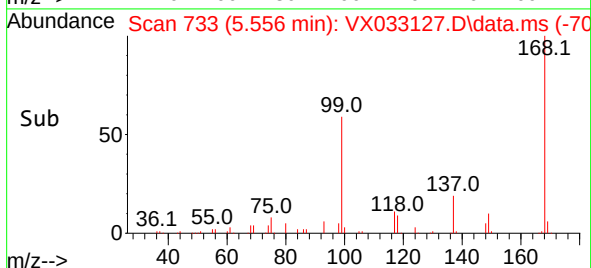
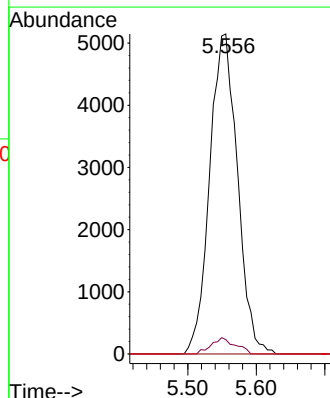
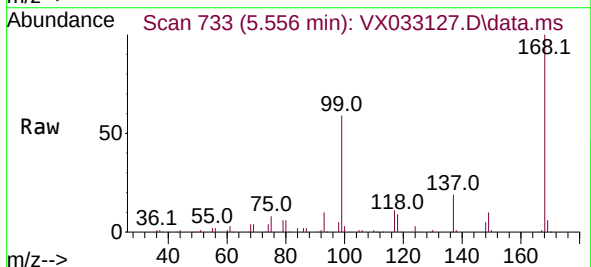
Tgt Ion: 117 Resp: 14503

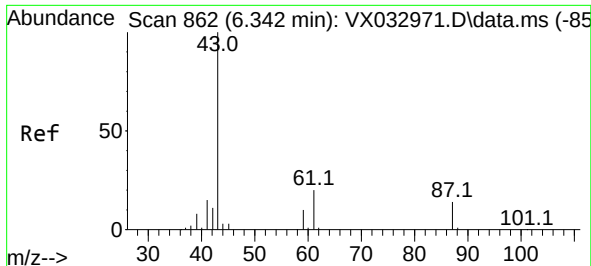
Ion Ratio Lower Upper

117 100

119 4.5 77.2 115.8#

121 0.0 25.8 38.6#

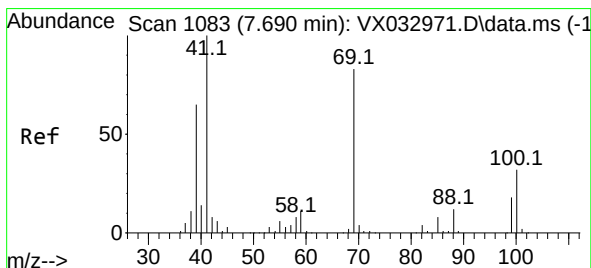
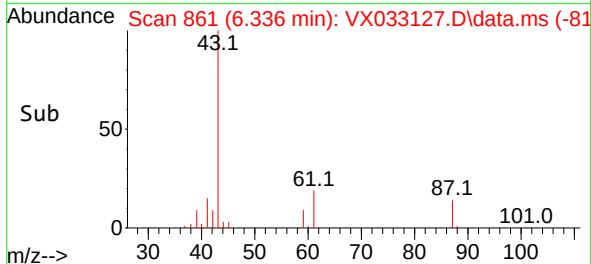
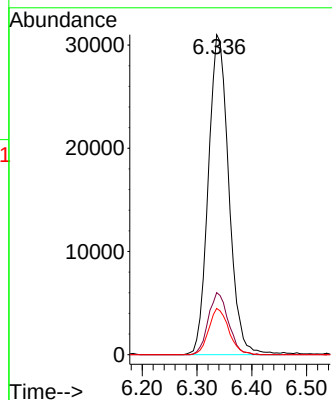
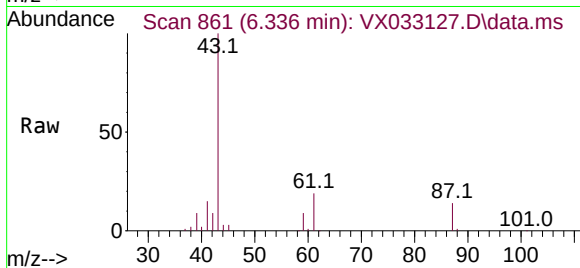




#43
Isopropyl Acetate
Concen: 27.121 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

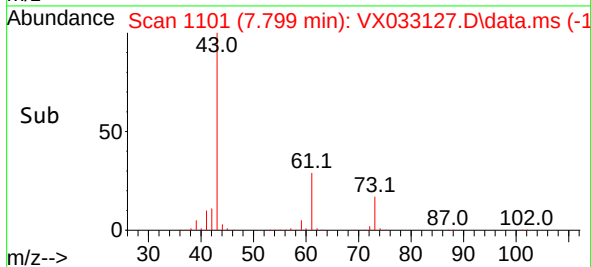
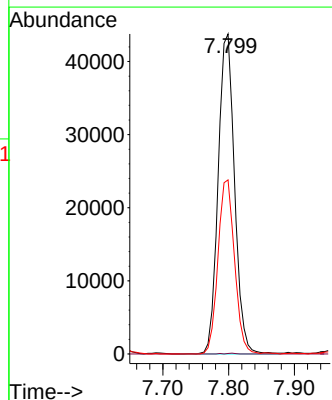
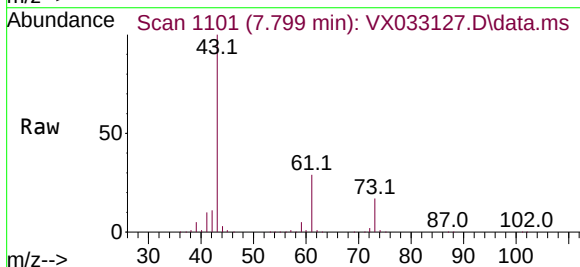
Instrument :
MSVOA_X
ClientSampleId :
PEQ-STOCK

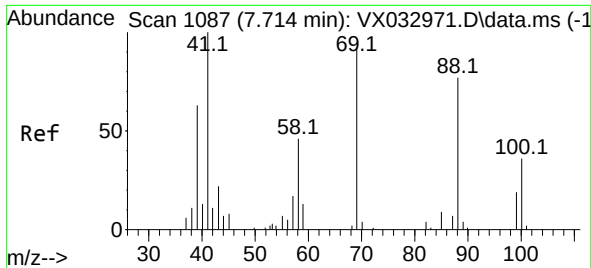
Tgt Ion: 43 Resp: 80277
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 14.1 10.8 16.2



#48
Methyl methacrylate
Concen: 49.868 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion: 41 Resp: 75979
Ion Ratio Lower Upper
41 100
69 0.2 65.1 97.7#
39 55.0 51.9 77.9





#49

1,4-Dioxane

Concen: 3.102 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.116 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

PEQ-STOCK

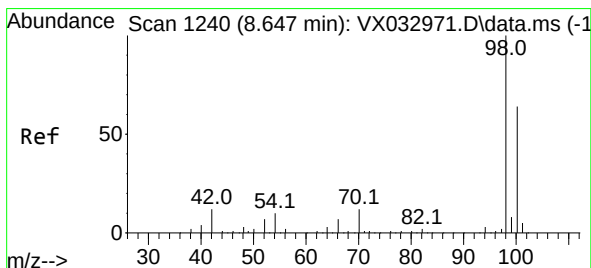
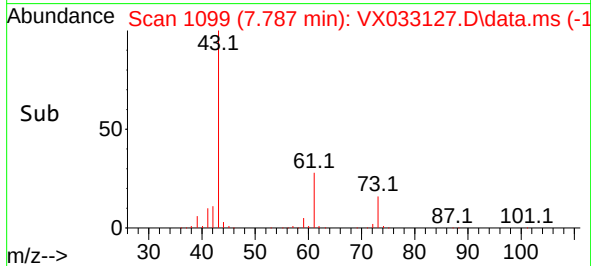
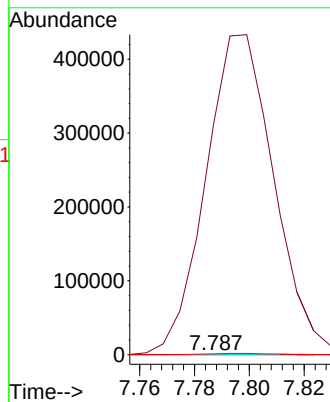
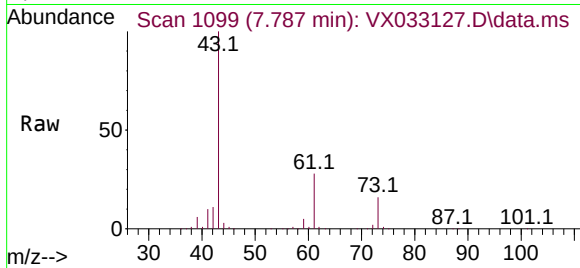
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 869911.5 26.6 39.8#

58 3401.1 51.7 77.5#



#50

Toluene-d8

Concen: 53.588 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX033127.D

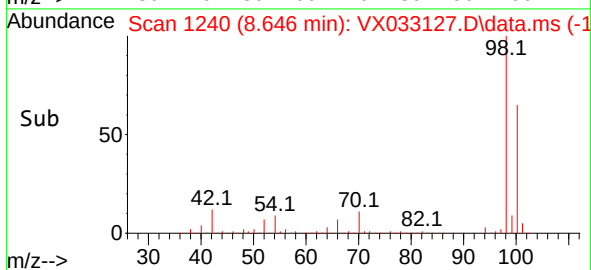
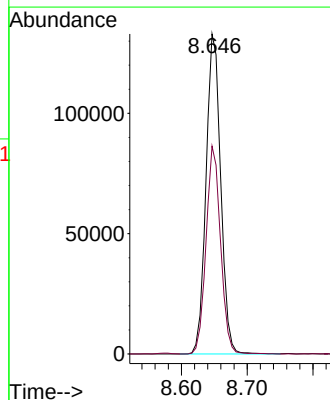
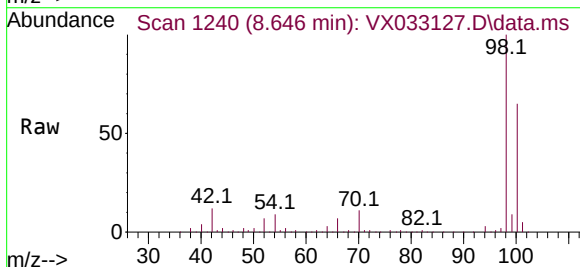
Acq: 30 Nov 2022 13:23

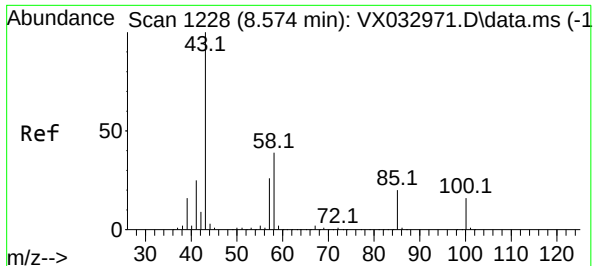
Tgt Ion: 98 Resp: 206268

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 38.076 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

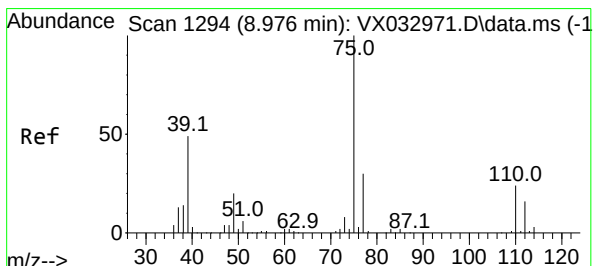
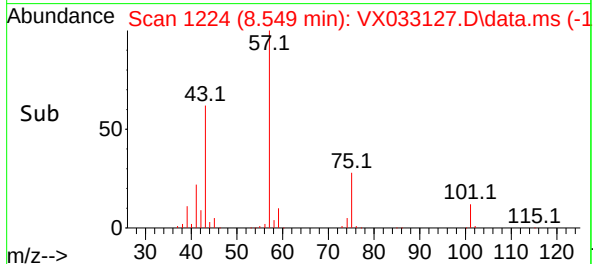
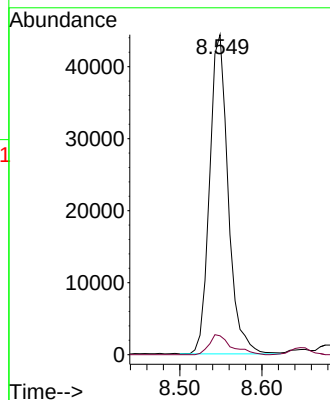
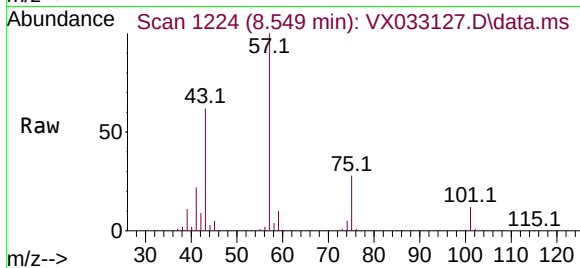
PEQ-STOCK

Tgt Ion: 43 Resp: 69545

Ion Ratio Lower Upper

43 100

58 7.4 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 1.714 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.031 min

Lab File: VX033127.D

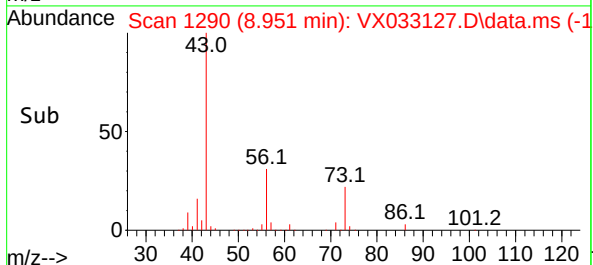
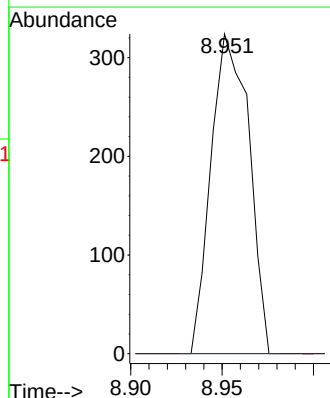
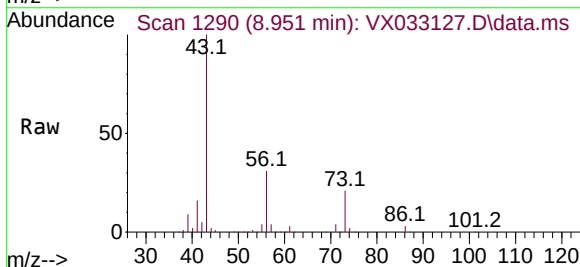
Acq: 30 Nov 2022 13:23

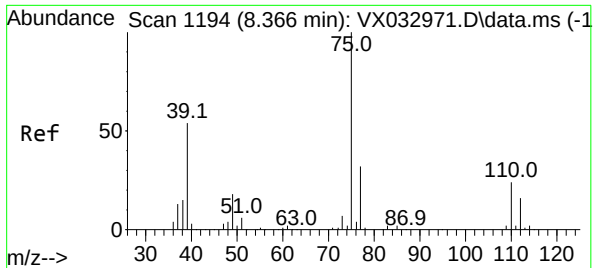
Tgt Ion: 75 Resp: 468

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

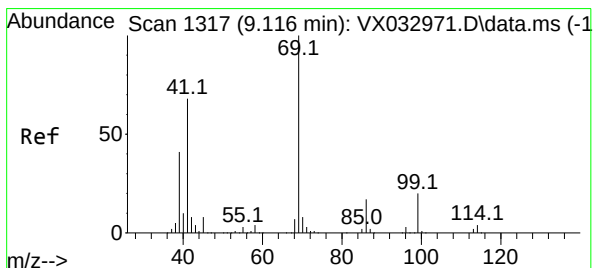
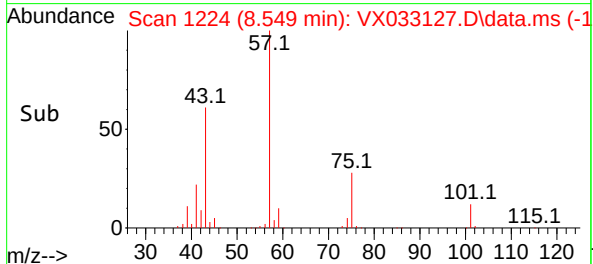
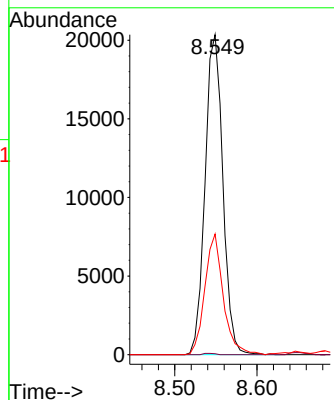
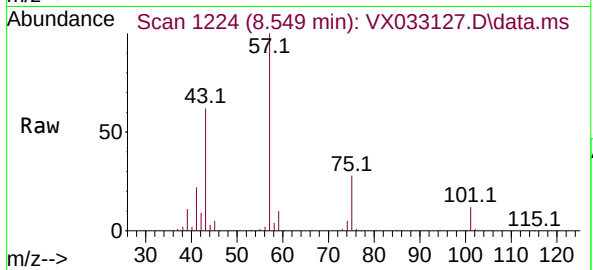




#54
 cis-1,3-Dichloropropene
 Concen: 13.216 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033127.D
 Acq: 30 Nov 2022 13:23

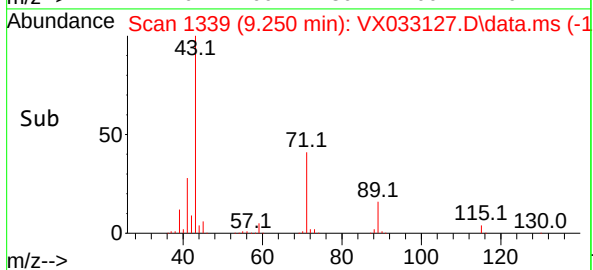
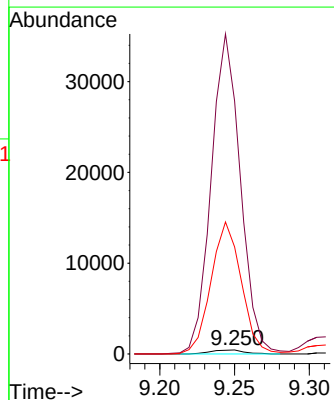
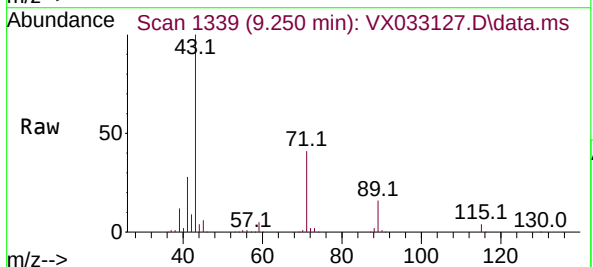
Instrument :
 MSVOA_X
 ClientSampleId :
 PEQ-STOCK

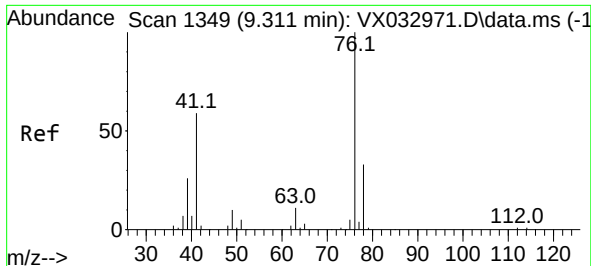
Tgt Ion: 75 Resp: 30534
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.1 37.7#
 39 37.7 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.320 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033127.D
 Acq: 30 Nov 2022 13:23

Tgt Ion: 69 Resp: 680
 Ion Ratio Lower Upper
 69 100
 41 7064.0 54.3 81.5#
 39 3011.6 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.522 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

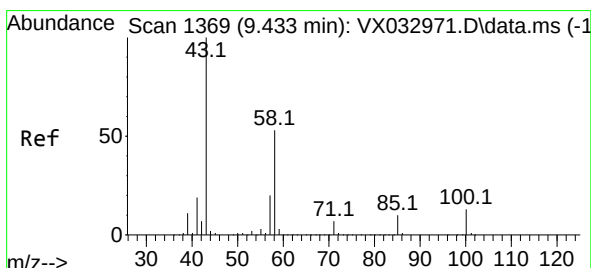
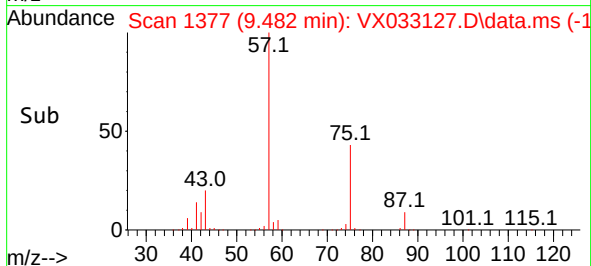
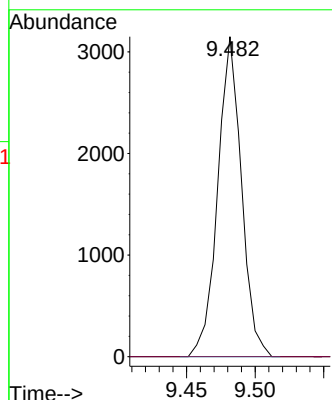
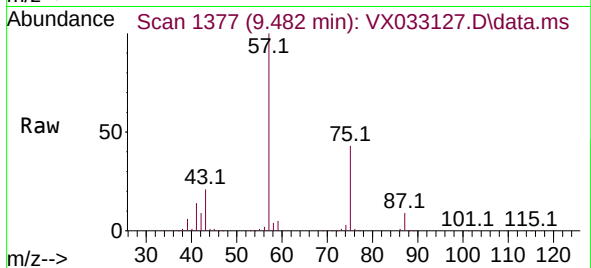
PEQ-STOCK

Tgt Ion: 76 Resp: 3786

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 41.341 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033127.D

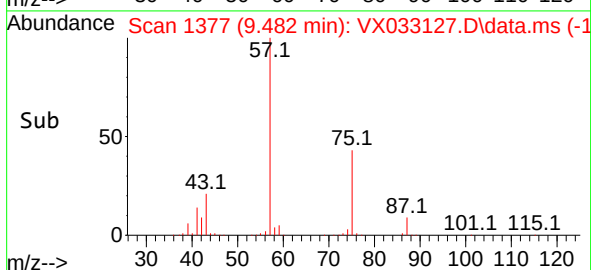
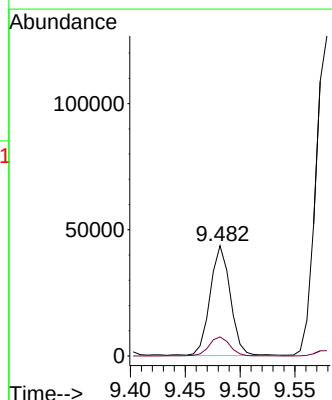
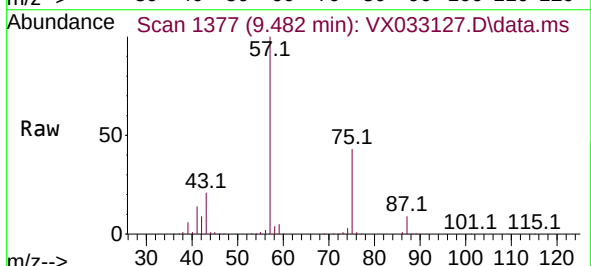
Acq: 30 Nov 2022 13:23

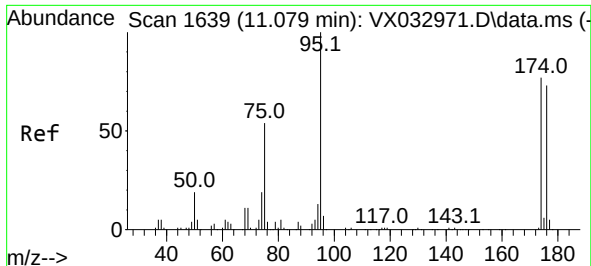
Tgt Ion: 43 Resp: 55779

Ion Ratio Lower Upper

43 100

58 18.3 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 45.194 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

PEQ-STOCK

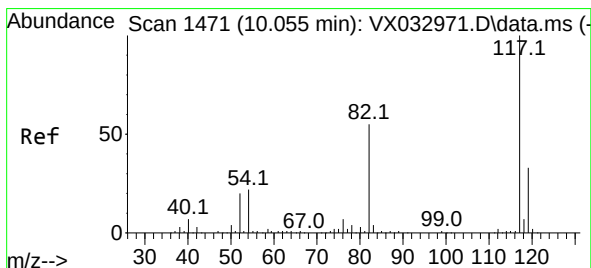
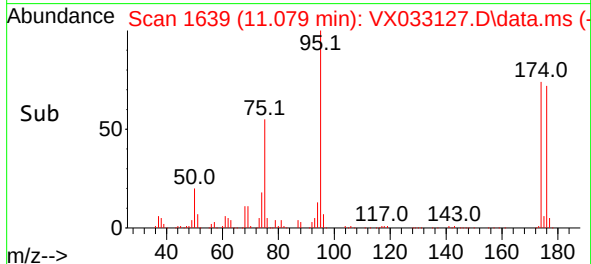
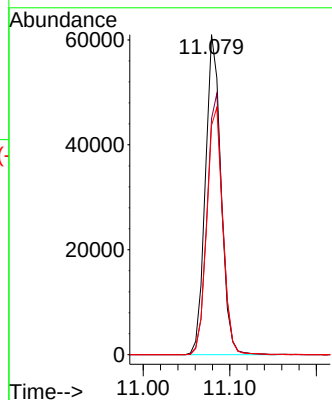
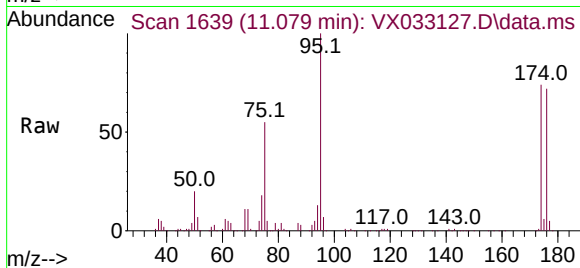
Tgt Ion: 95 Resp: 76168

Ion Ratio Lower Upper

95 100

174 81.5 0.0 164.0

176 78.9 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: VX033127.D

Acq: 30 Nov 2022 13:23

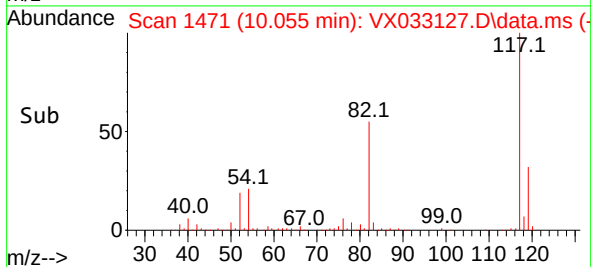
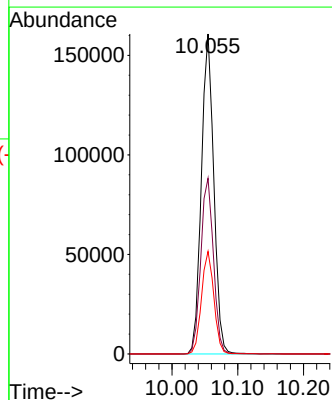
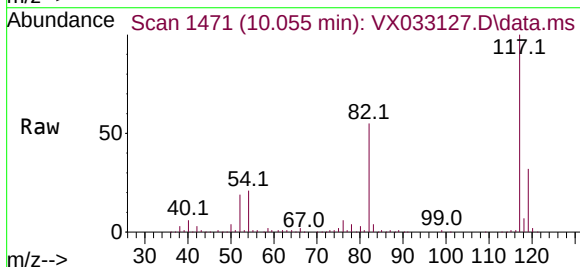
Tgt Ion: 117 Resp: 210679

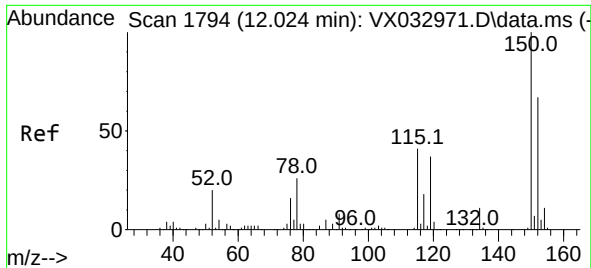
Ion Ratio Lower Upper

117 100

82 54.9 44.3 66.5

119 32.0 25.7 38.5

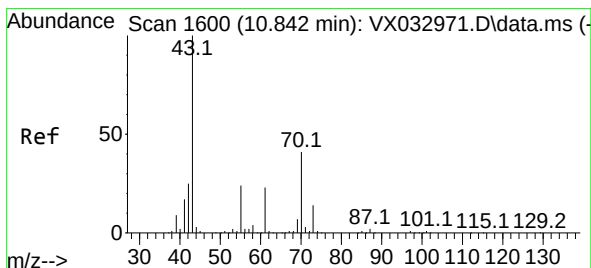
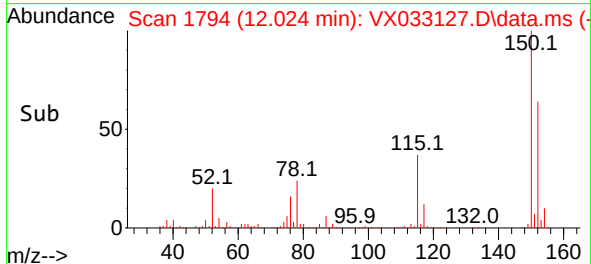
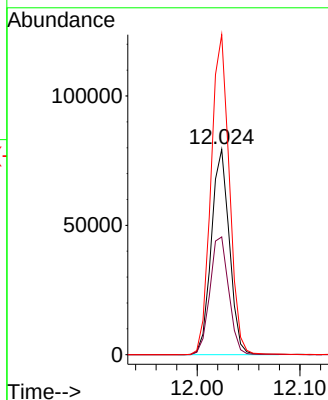
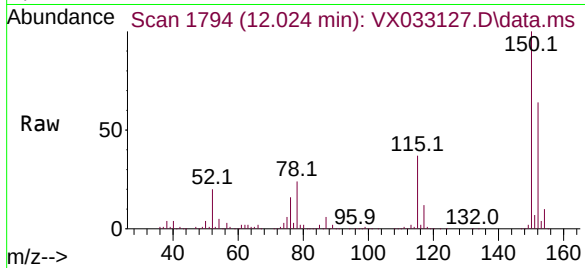




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

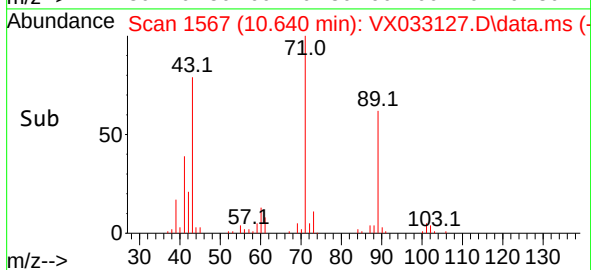
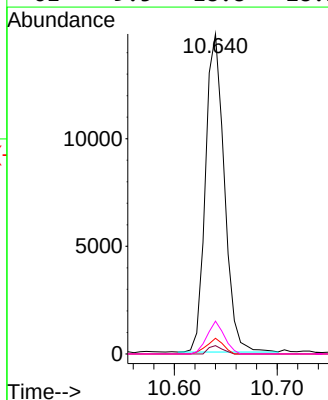
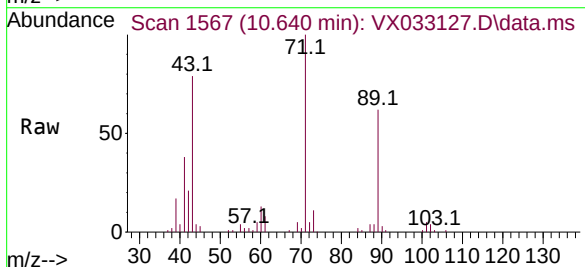
Instrument :
MSVOA_X
ClientSampleId :
PEQ-STOCK

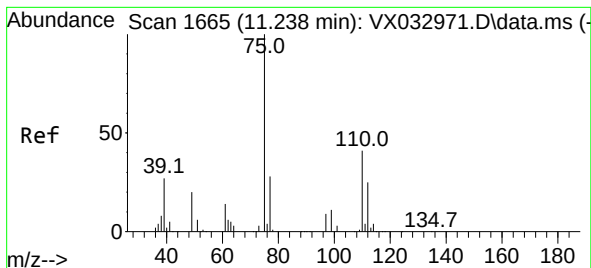
Tgt Ion:152 Resp: 96655
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 158.4 0.0 351.8



#74
N-ethyl acetate
Concen: 8.012 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033127.D
Acq: 30 Nov 2022 13:23

Tgt Ion: 43 Resp: 18825
Ion Ratio Lower Upper
43 100
70 2.0 33.6 50.4#
55 4.4 19.4 29.2#
61 9.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.530 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Instrument :

MSVOA_X

ClientSampleId :

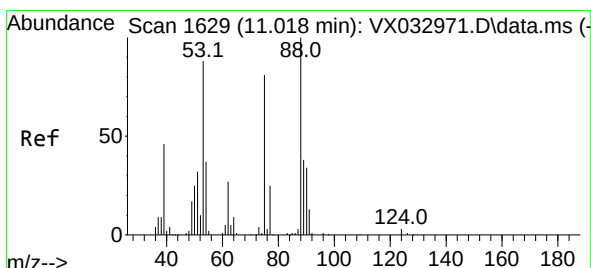
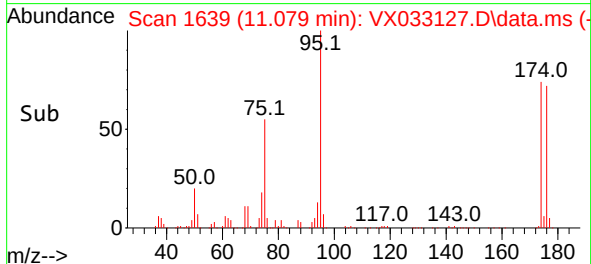
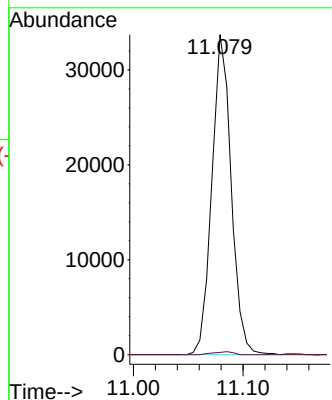
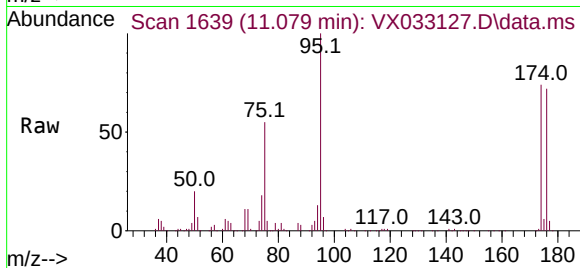
PEQ-STOCK

Tgt Ion: 75 Resp: 41241

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.233 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033127.D

Acq: 30 Nov 2022 13:23

Tgt Ion: 75 Resp: 41241

Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#

