

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033126.D
 Acq On : 30 Nov 2022 13:00
 Operator : JC/MD
 Sample : N5801-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

Quant Time: Dec 01 00:18:42 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)

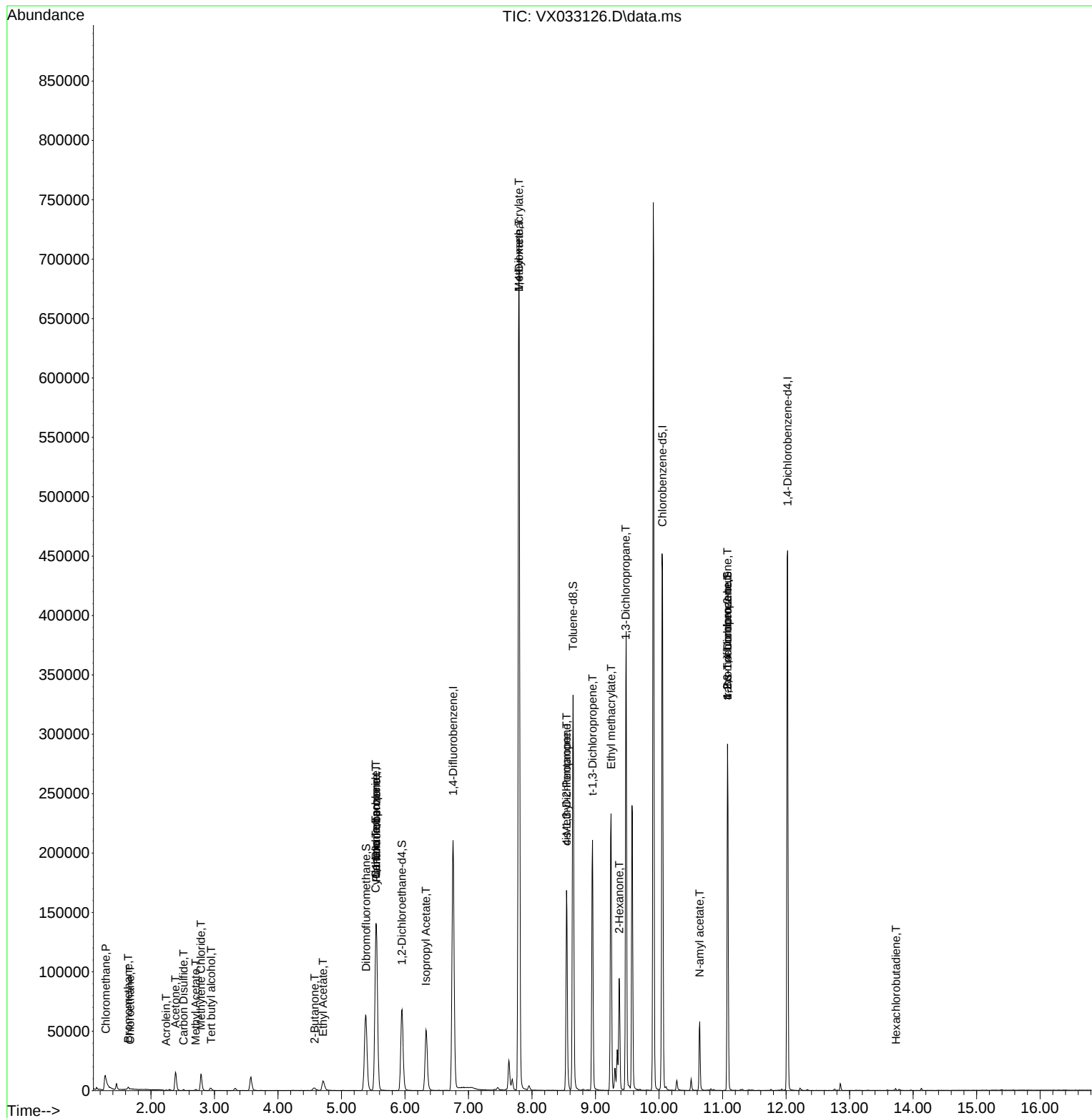
Internal Standards						
1) Pentafluorobenzene	5.550	168	134552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68983	52.632	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.260%			
35) Dibromofluoromethane	5.385	113	55665	45.974	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.940%			
50) Toluene-d8	8.647	98	192298	52.911	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.820%			
62) 4-Bromofluorobenzene	11.079	95	73280	46.074	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.140%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	508	0.458	ug/l #	43
5) Bromomethane	1.642	94	191	0.208	ug/l #	1
6) Chloroethane	1.672	64	211	0.210	ug/l #	42
11) Tert butyl alcohol	2.947	59	1357	6.533	ug/l #	72
13) Acrolein	2.239	56	249	1.044	ug/l	84
16) Acetone	2.386	43	19186	31.352	ug/l	99
17) Carbon Disulfide	2.514	76	882	0.272	ug/l #	85
18) Methyl Acetate	2.703	43	1043	0.616	ug/l #	90
20) Methylene Chloride	2.788	84	6209	3.674	ug/l	96
25) 2-Butanone	4.574	43	3456	4.096	ug/l #	86
31) Cyclohexane	5.538	56	2906	1.369	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	10394	5.369	ug/l #	46
37) Ethyl Acetate	4.708	43	14347	8.494	ug/l	98
38) Carbon Tetrachloride	5.544	117	13915	6.479	ug/l #	15
43) Isopropyl Acetate	6.330	43	68479	24.515	ug/l	99
48) Methyl methacrylate	7.793	41	63937	44.467	ug/l #	44
49) 1,4-Dioxane	7.793	88	72	2.720	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	57327	33.258	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	512	1.746	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	24492	11.233	ug/l #	63
56) Ethyl methacrylate	9.244	69	526	0.263	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	3319	1.414	ug/l #	42
59) 2-Hexanone	9.372	43	67152	52.738	ug/l #	25
74) N-amyl acetate	10.640	43	14942	6.443	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	40066	22.175	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40066	72.079	ug/l #	6
94) Hexachlorobutadiene	13.731	225	279	0.335	ug/l	85

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

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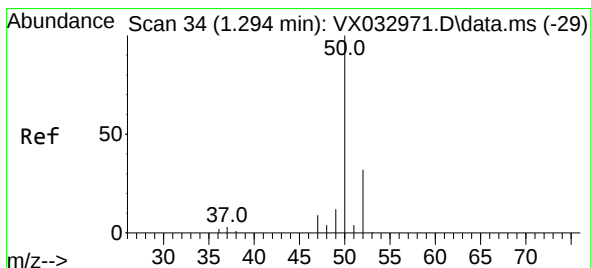
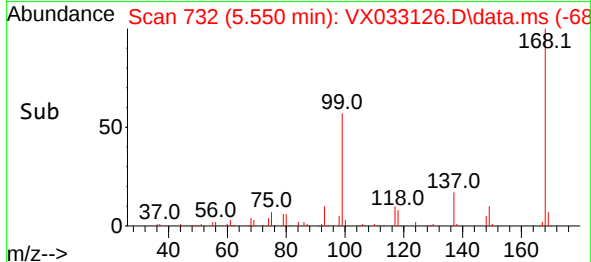
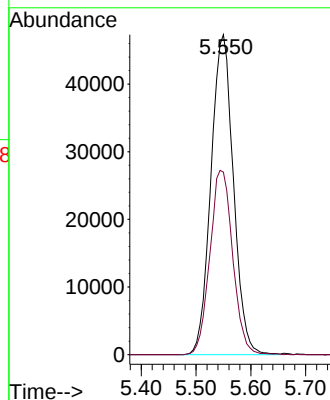
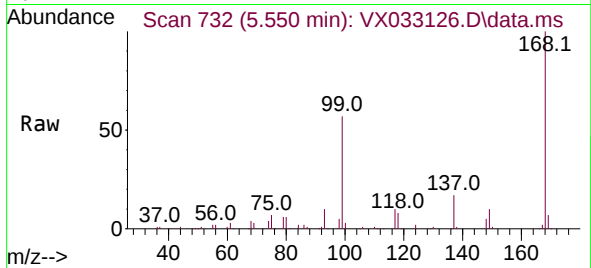




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

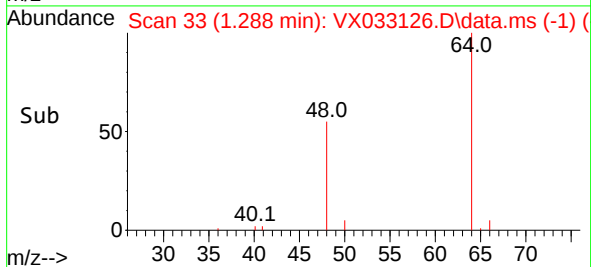
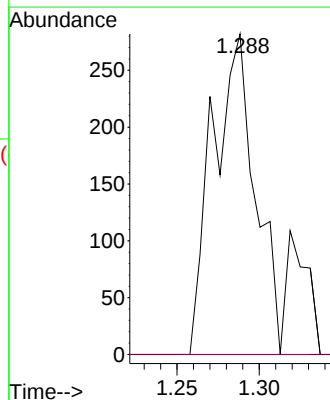
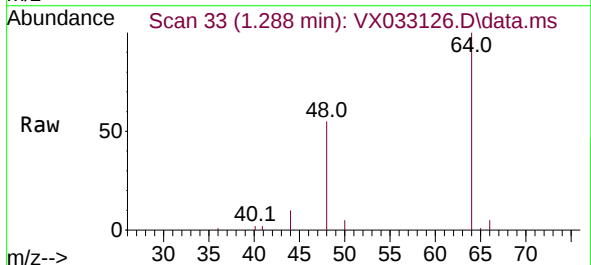
Instrument :
MSVOA_X
ClientSampleId :
TP-13

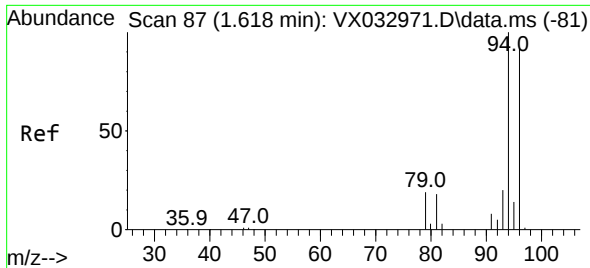
Tgt Ion:168 Resp: 134552
Ion Ratio Lower Upper
168 100
99 57.0 46.1 69.1



#3
Chloromethane
Concen: 0.458 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 50 Resp: 508
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

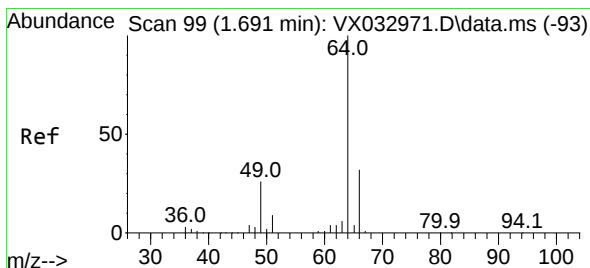
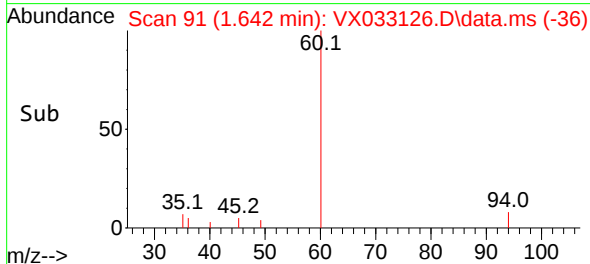
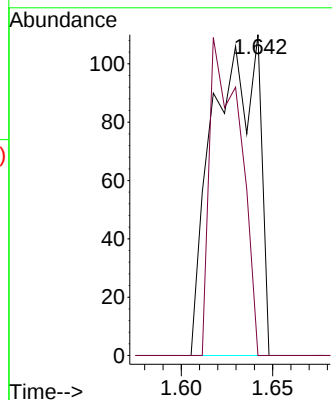
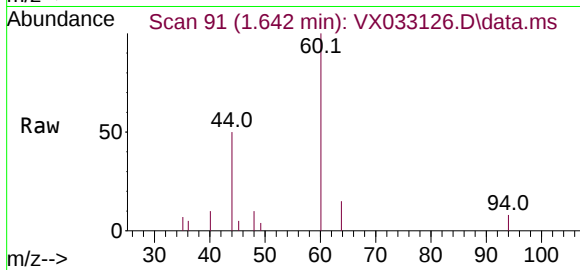




#5
Bromomethane
Concen: 0.208 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.037 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

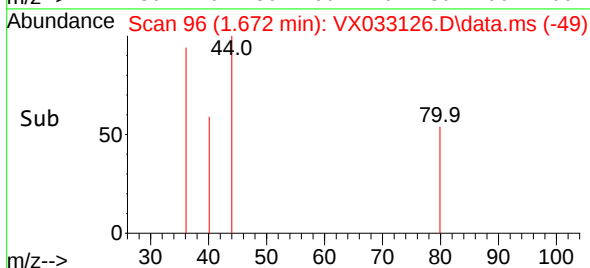
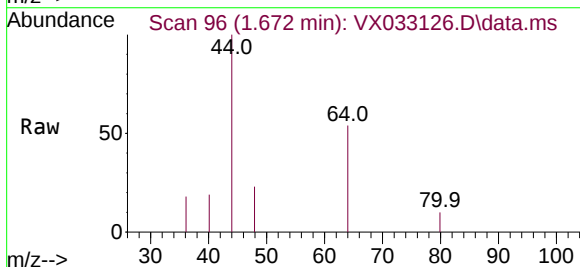
Instrument :
MSVOA_X
ClientSampleId :
TP-13

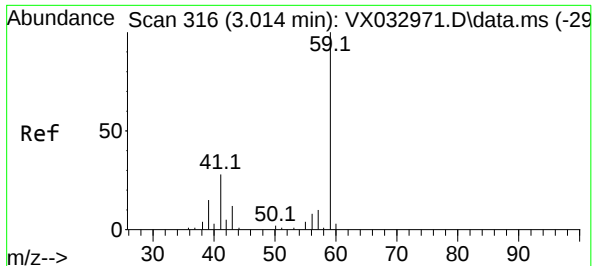
Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#



#6
Chloroethane
Concen: 0.210 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.013 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 64 Resp: 211
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 6.533 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

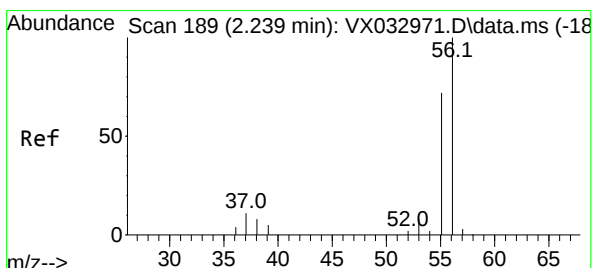
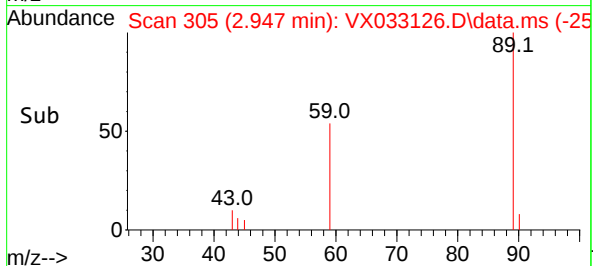
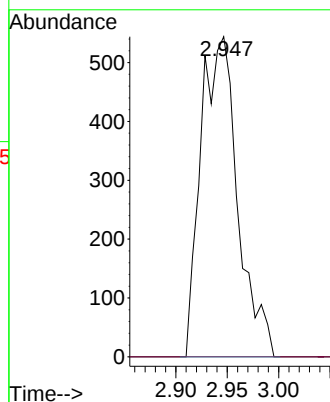
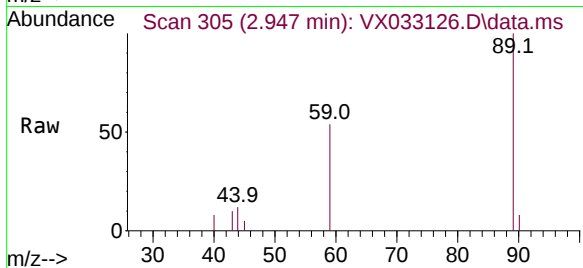
TP-13

Tgt Ion: 59 Resp: 1357

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 1.044 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX033126.D

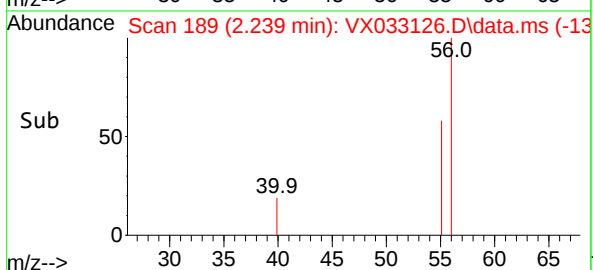
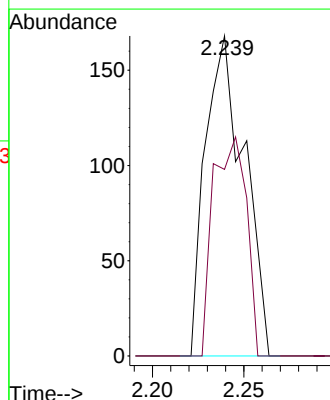
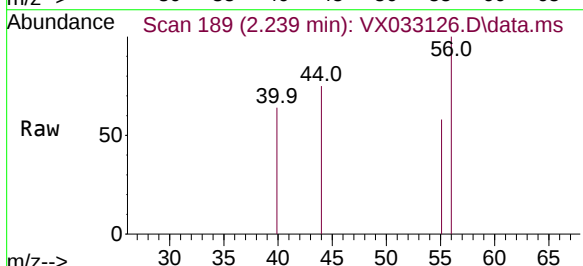
Acq: 30 Nov 2022 13:00

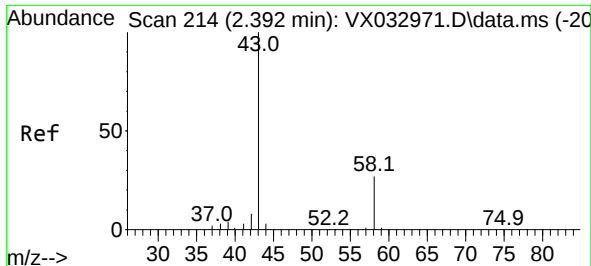
Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

56 100

55 58.2 56.9 85.3





#16

Acetone

Concen: 31.352 ug/l

RT: 2.386 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

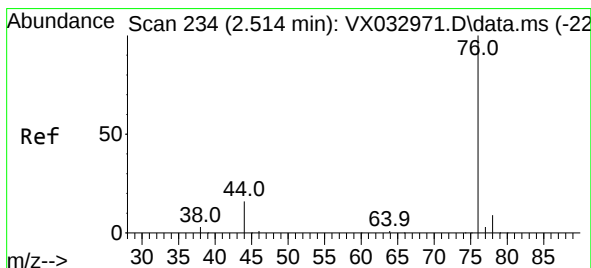
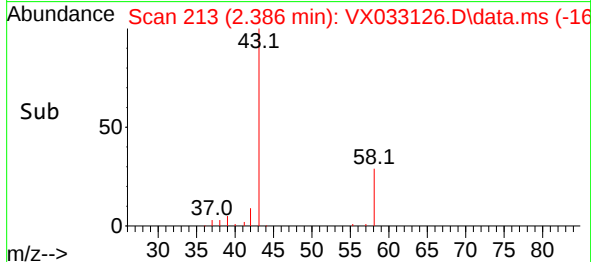
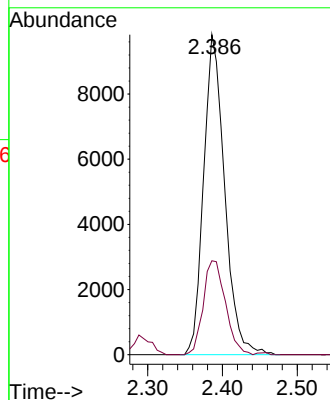
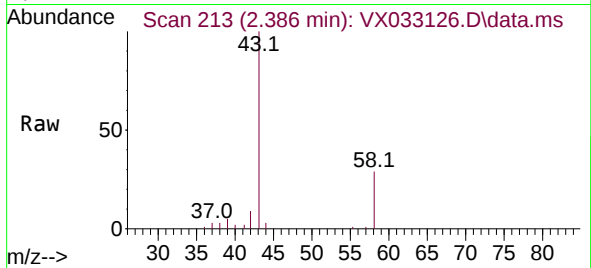
TP-13

Tgt Ion: 43 Resp: 19186

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.8



#17

Carbon Disulfide

Concen: 0.272 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033126.D

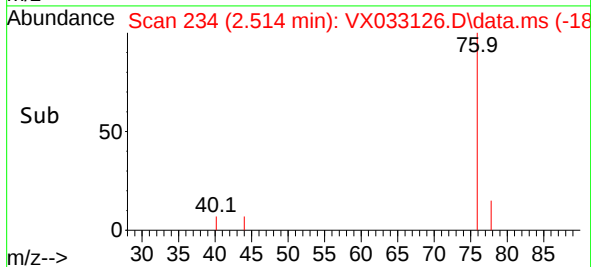
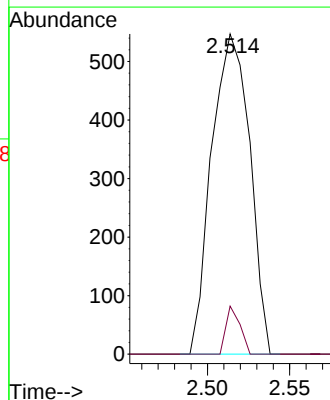
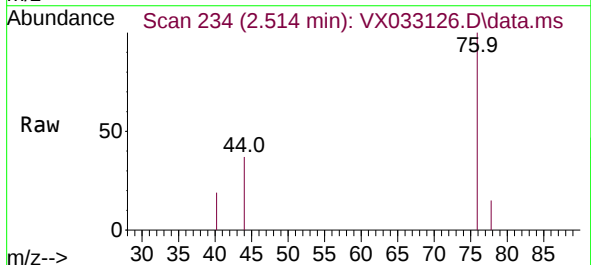
Acq: 30 Nov 2022 13:00

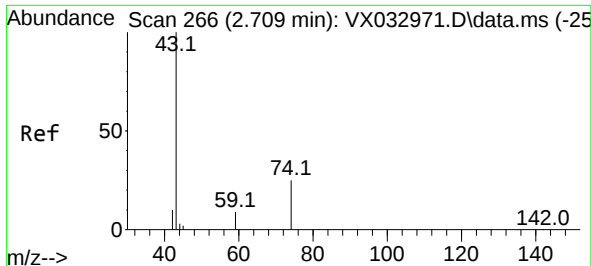
Tgt Ion: 76 Resp: 882

Ion Ratio Lower Upper

76 100

78 15.0 7.5 11.3#

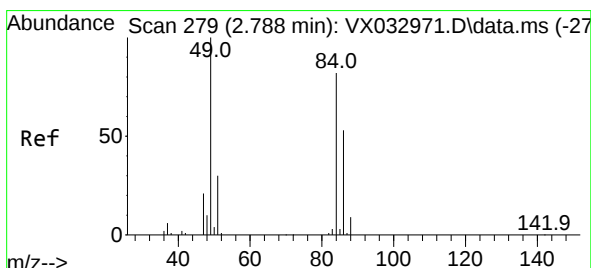
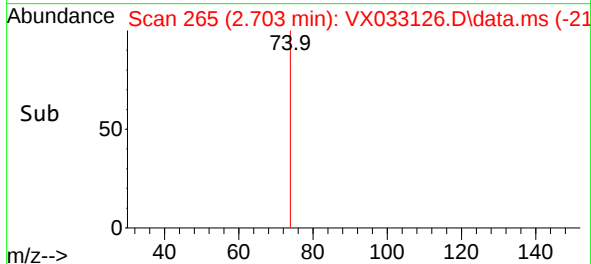
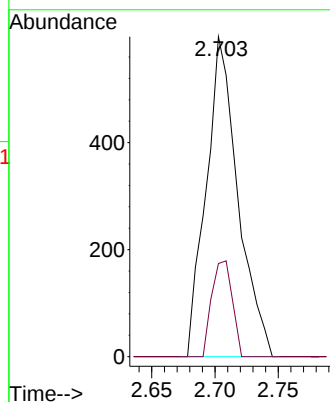
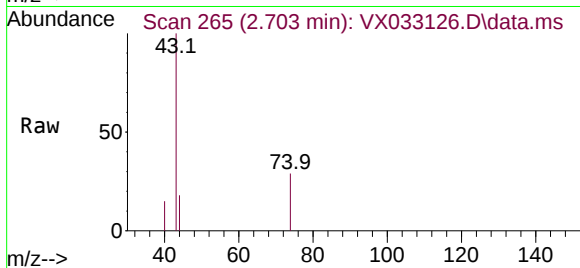




#18
Methyl Acetate
Concen: 0.616 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

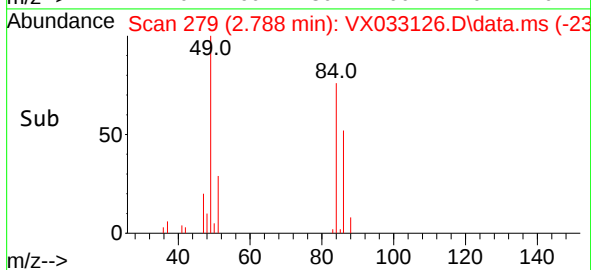
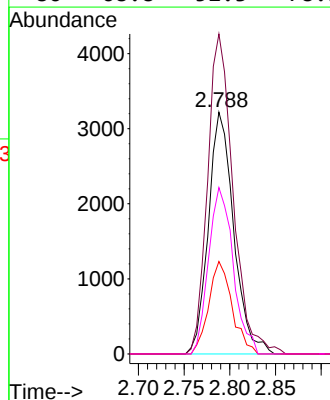
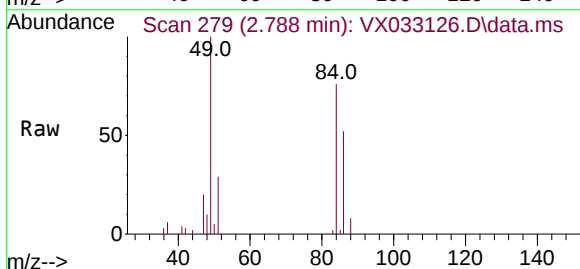
Instrument :
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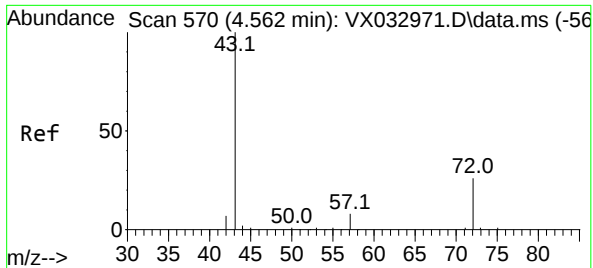
Tgt Ion: 43 Resp: 1043
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.0#



#20
Methylene Chloride
Concen: 3.674 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 84 Resp: 6209
Ion Ratio Lower Upper
84 100
49 132.3 101.0 151.6
51 38.2 31.1 46.7
86 68.8 52.3 78.5





#25

2-Butanone

Concen: 4.096 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

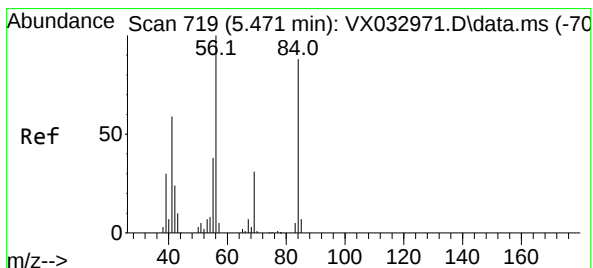
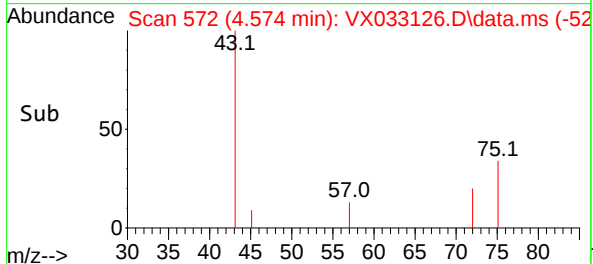
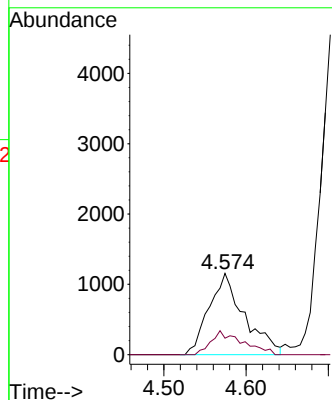
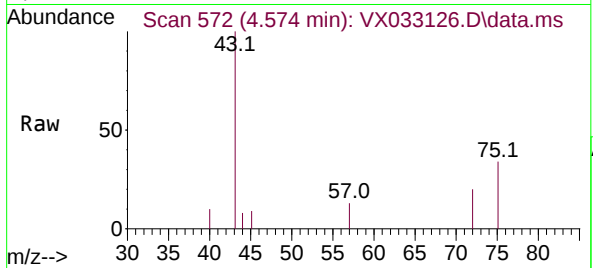
TP-13

Tgt Ion: 43 Resp: 3456

Ion Ratio Lower Upper

43 100

72 20.3 22.2 33.2#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.068 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

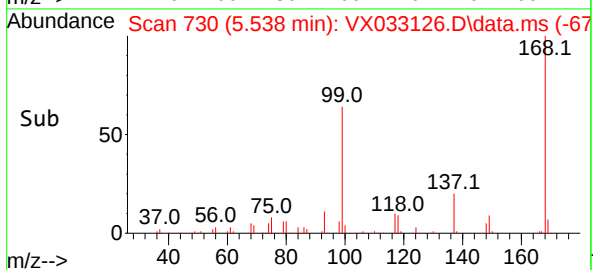
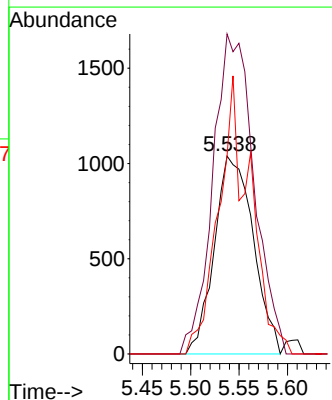
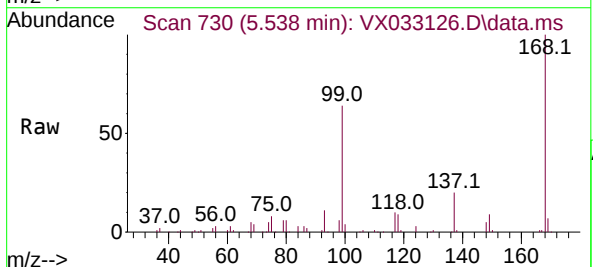
Tgt Ion: 56 Resp: 2906

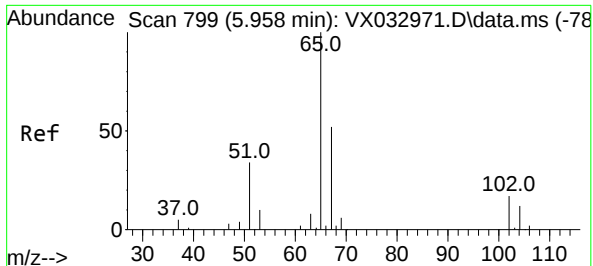
Ion Ratio Lower Upper

56 100

69 161.7 24.1 36.1#

84 100.2 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 52.632 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

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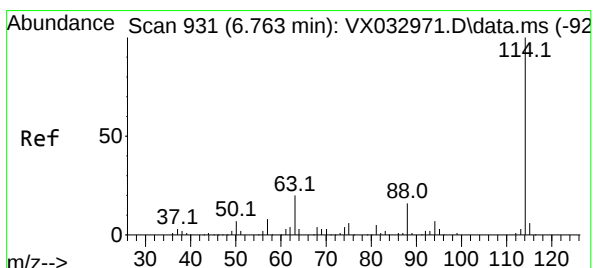
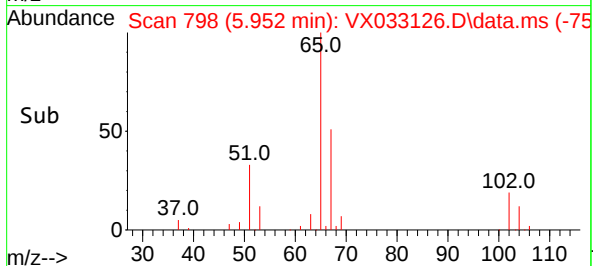
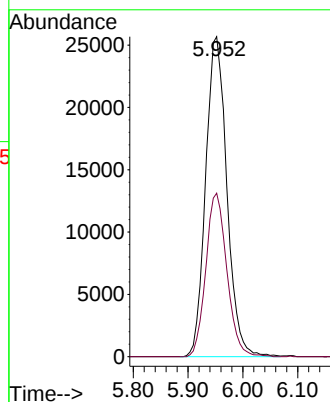
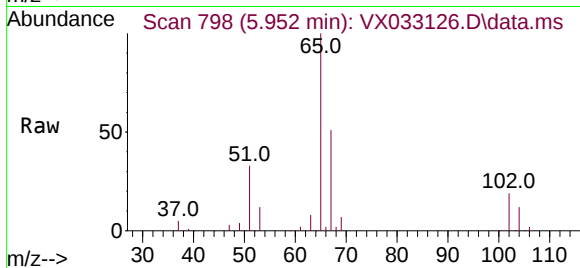
TP-13

Tgt Ion: 65 Resp: 68983

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

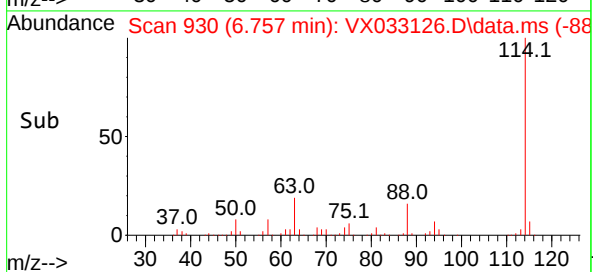
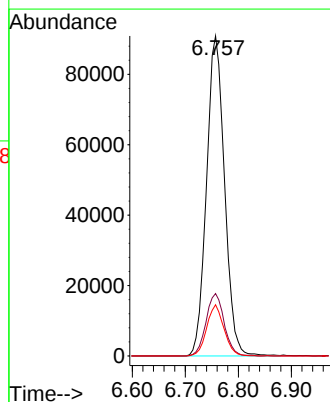
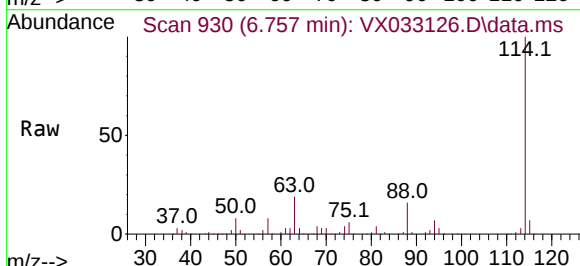
Tgt Ion: 114 Resp: 214769

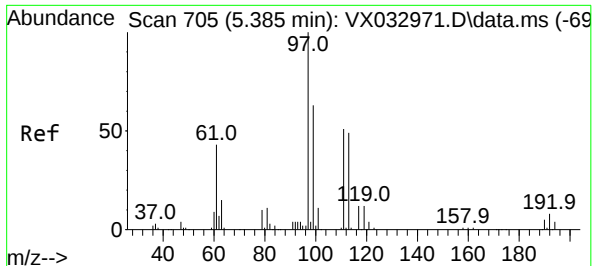
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.974 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

TP-13

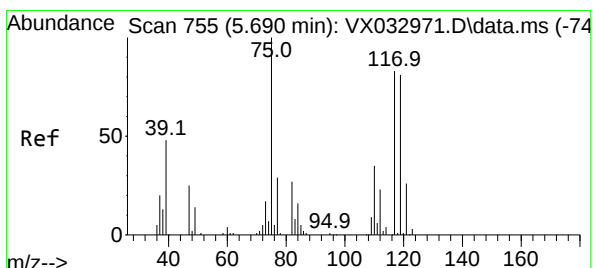
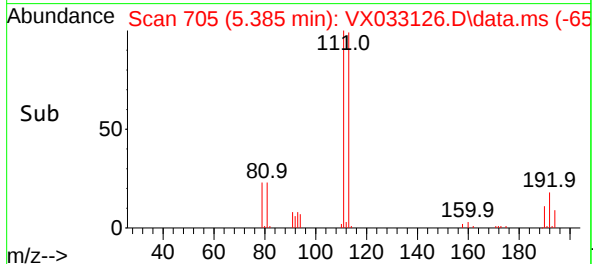
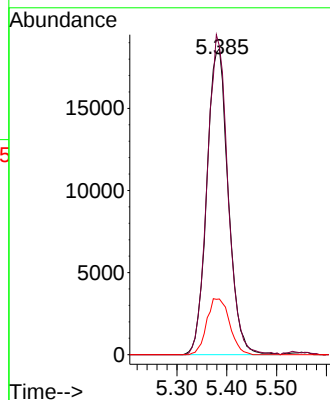
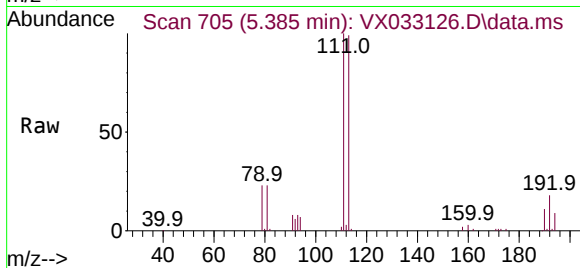
Tgt Ion:113 Resp: 55665

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

192 19.5 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.152 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

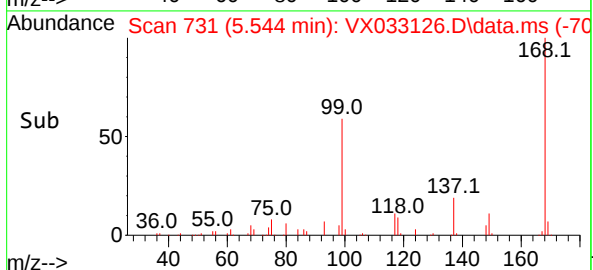
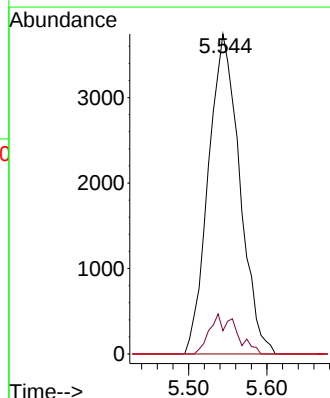
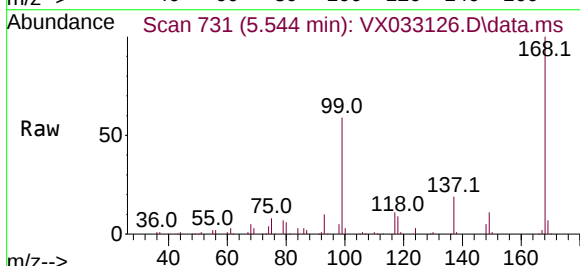
Tgt Ion: 75 Resp: 10394

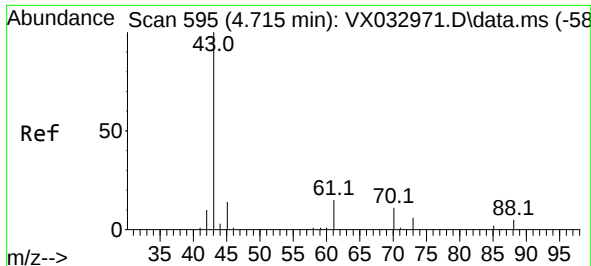
Ion Ratio Lower Upper

75 100

110 5.4 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 8.494 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.007 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

TP-13

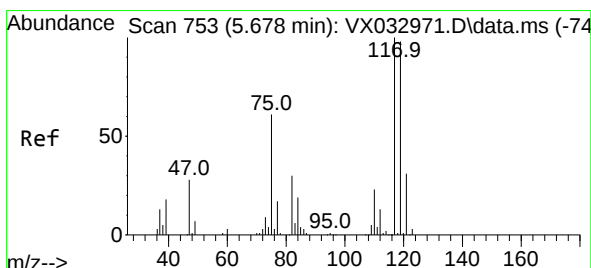
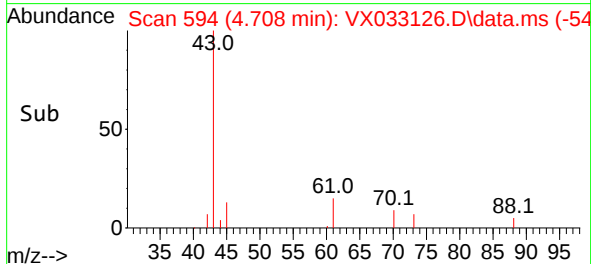
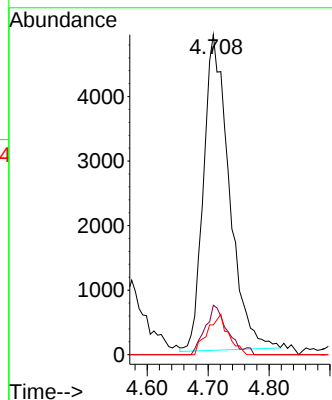
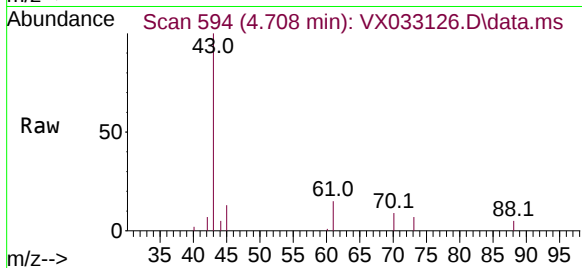
Tgt Ion: 43 Resp: 14347

Ion Ratio Lower Upper

43 100

61 13.6 11.5 17.3

70 10.4 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.479 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

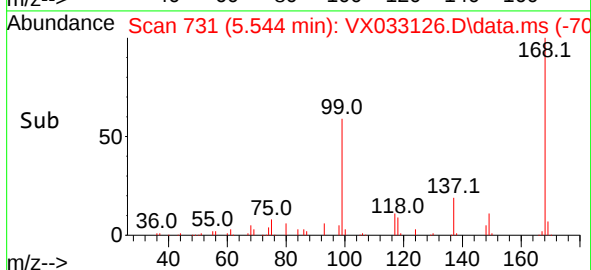
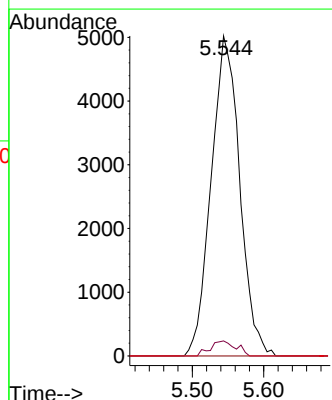
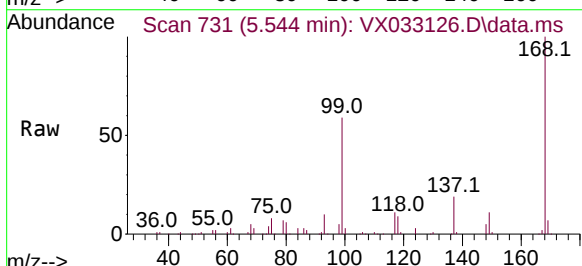
Tgt Ion: 117 Resp: 13915

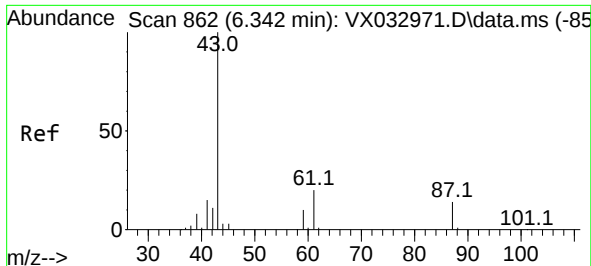
Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

121 0.0 25.8 38.6#

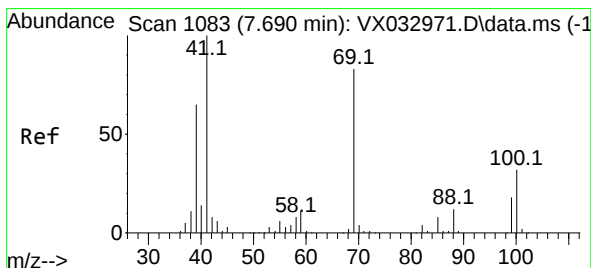
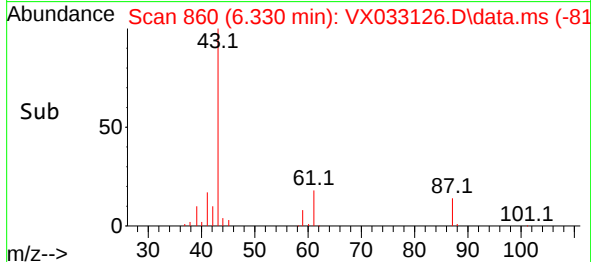
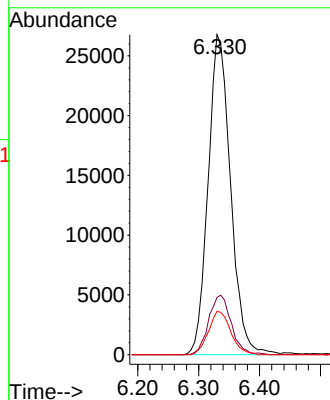
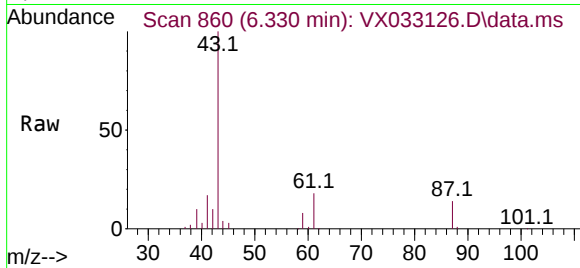




#43
Isopropyl Acetate
Concen: 24.515 ug/l
RT: 6.330 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

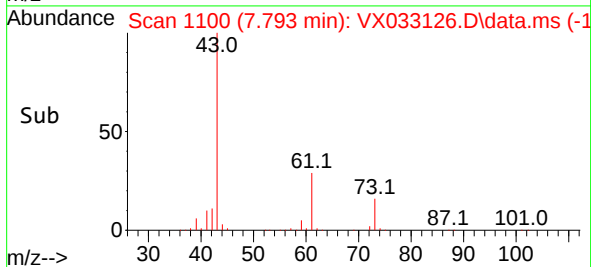
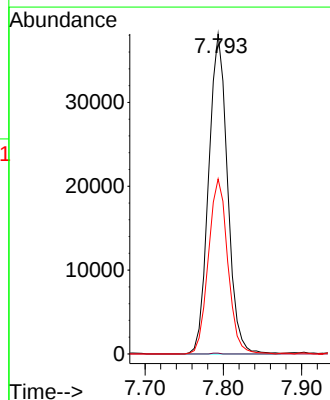
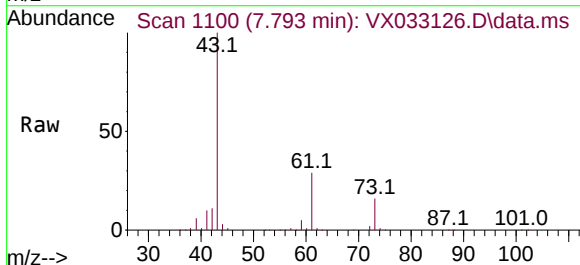
Instrument :
MSVOA_X
ClientSampleId :
TP-13

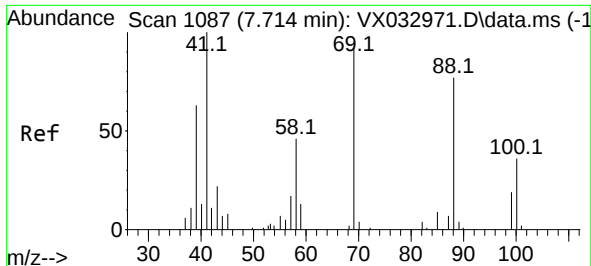
Tgt Ion: 43 Resp: 68479
Ion Ratio Lower Upper
43 100
61 18.7 15.4 23.0
87 13.4 10.8 16.2



#48
Methyl methacrylate
Concen: 44.467 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.097 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 41 Resp: 63937
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 56.0 51.9 77.9





#49

1,4-Dioxane

Concen: 2.720 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

TP-13

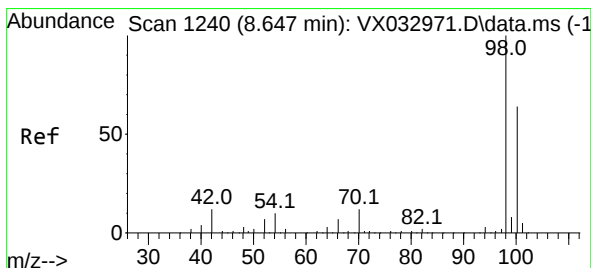
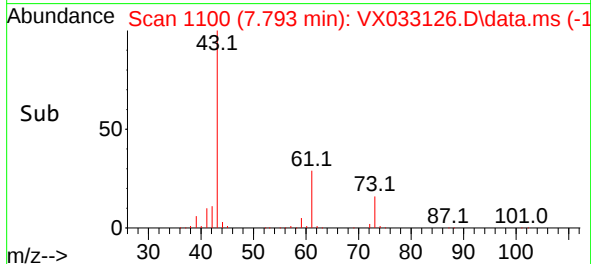
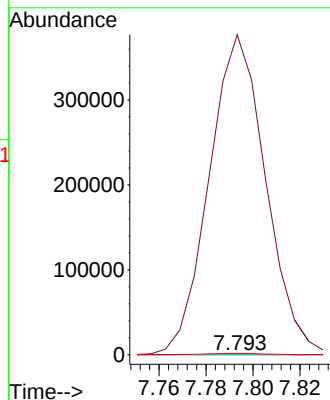
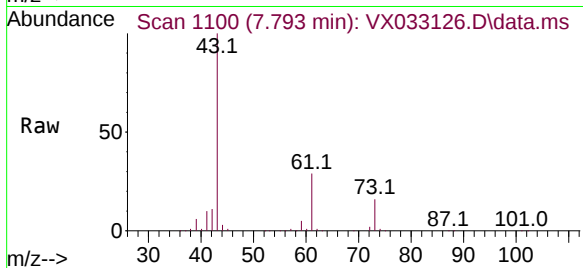
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 883080.6 26.6 39.8#

58 3700.0 51.7 77.5#



#50

Toluene-d8

Concen: 52.911 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033126.D

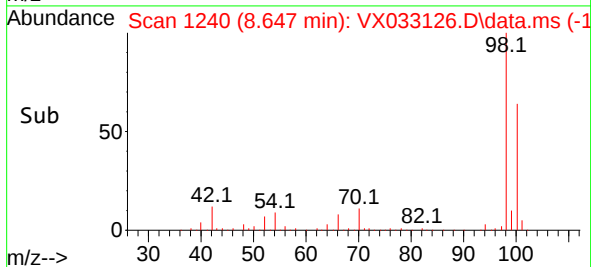
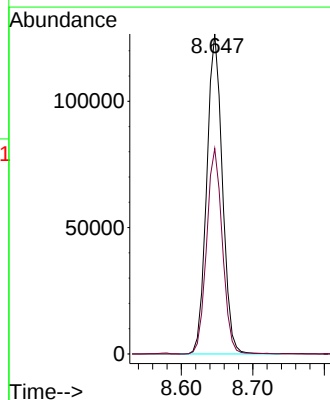
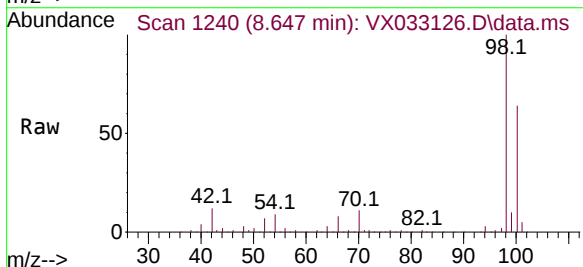
Acq: 30 Nov 2022 13:00

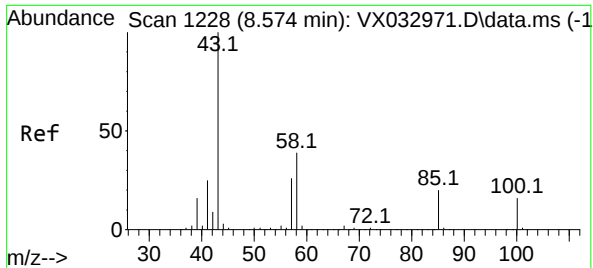
Tgt Ion: 98 Resp: 192298

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3

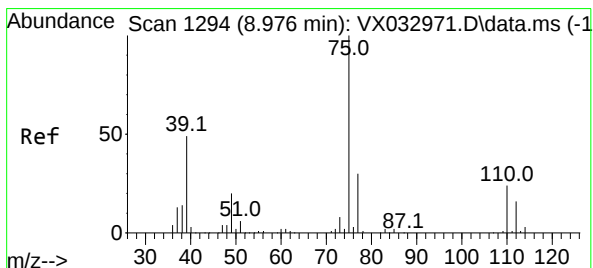
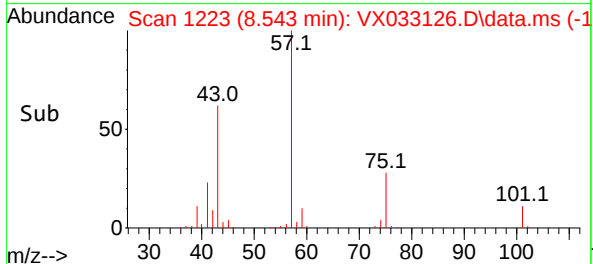
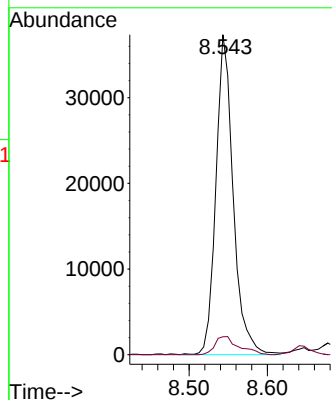
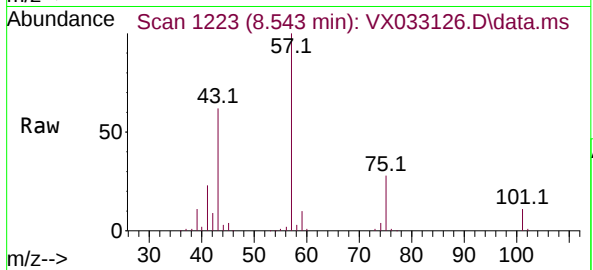




#51
4-Methyl-2-Pentanone
Concen: 33.258 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

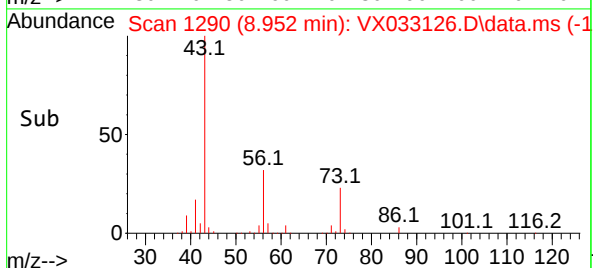
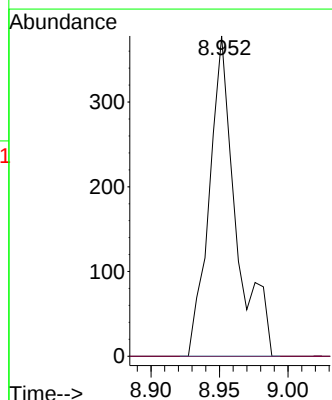
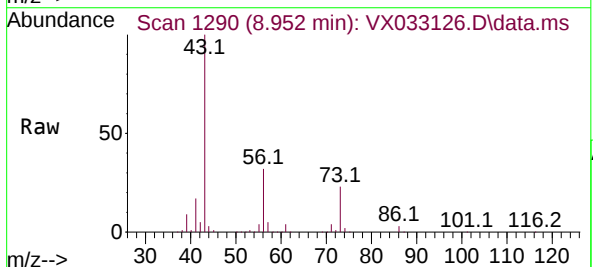
Instrument :
MSVOA_X
ClientSampleId :
TP-13

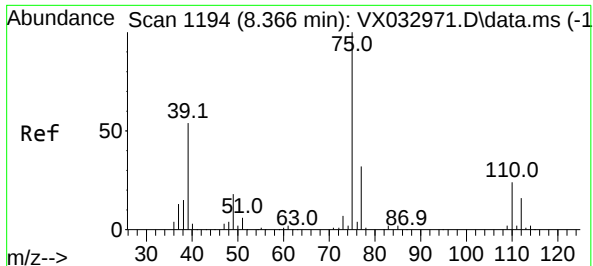
Tgt Ion: 43 Resp: 57327
Ion Ratio Lower Upper
43 100
58 7.8 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 1.746 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 75 Resp: 512
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

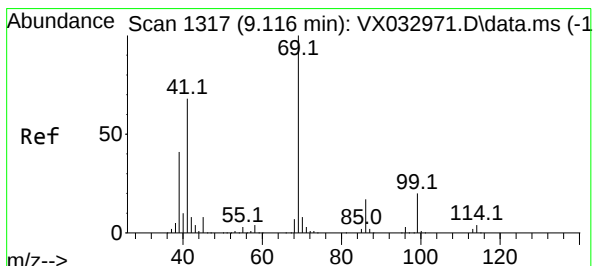
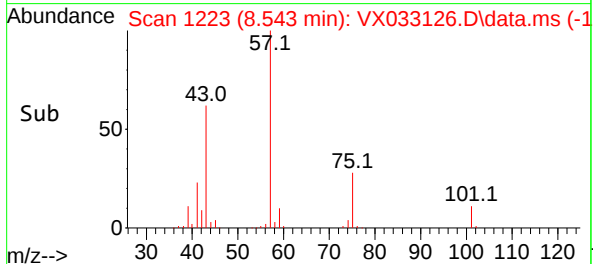
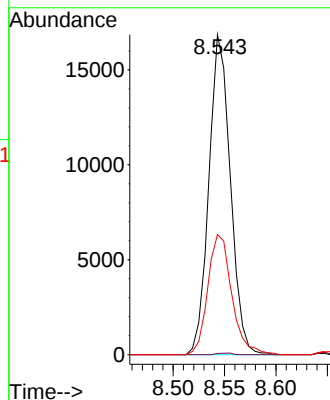
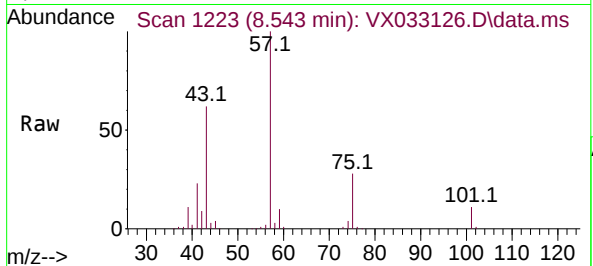




#54
 cis-1,3-Dichloropropene
 Concen: 11.233 ug/l
 RT: 8.543 min Scan# 11
 Delta R.T. 0.177 min
 Lab File: VX033126.D
 Acq: 30 Nov 2022 13:00

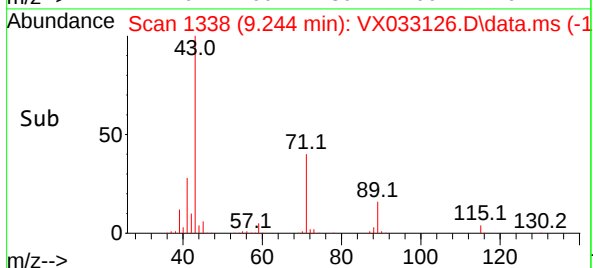
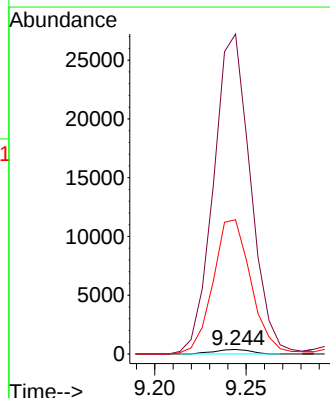
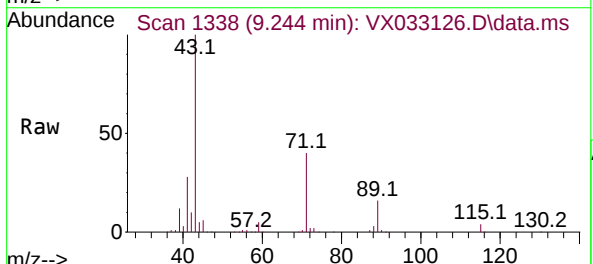
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

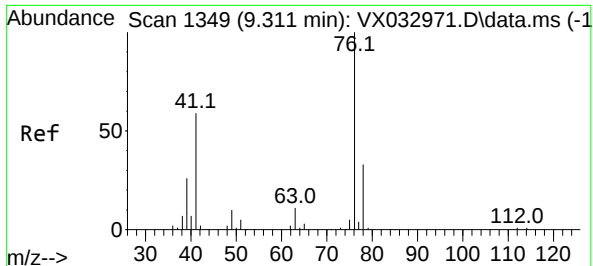
Tgt Ion: 75 Resp: 24492
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.1 37.7#
 39 37.6 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.263 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033126.D
 Acq: 30 Nov 2022 13:00

Tgt Ion: 69 Resp: 526
 Ion Ratio Lower Upper
 69 100
 41 7305.3 54.3 81.5#
 39 3166.3 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.414 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.165 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

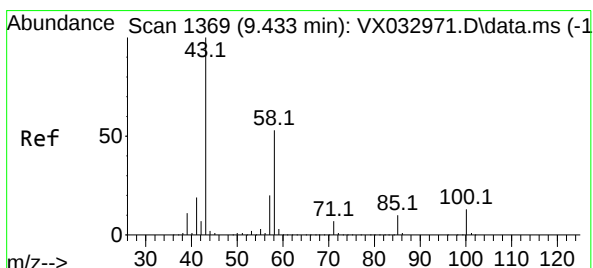
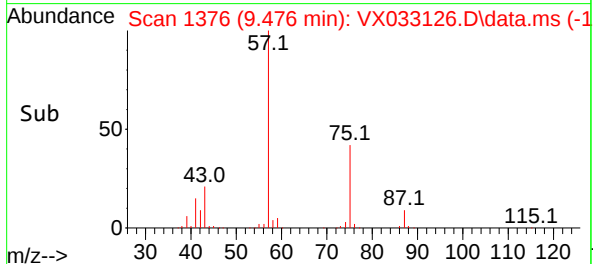
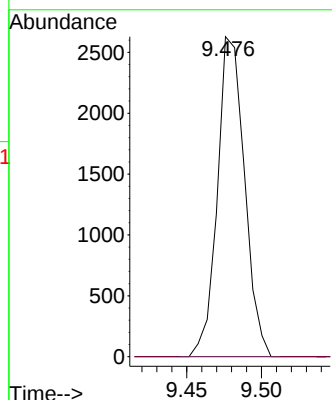
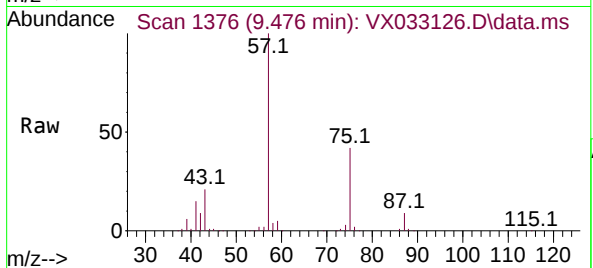
TP-13

Tgt Ion: 76 Resp: 3319

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 52.738 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.061 min

Lab File: VX033126.D

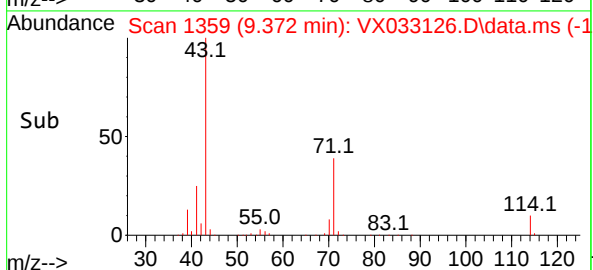
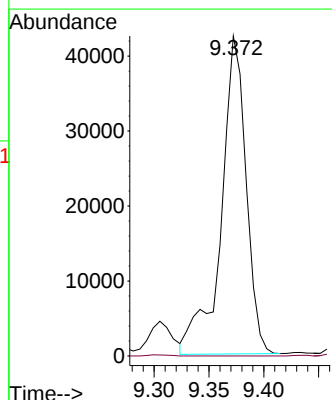
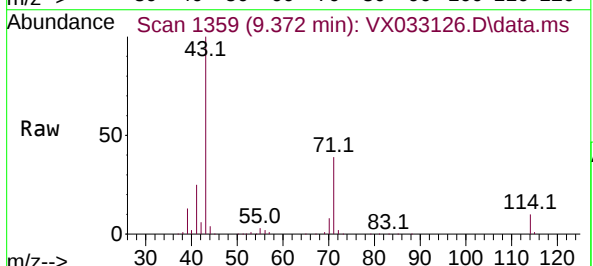
Acq: 30 Nov 2022 13:00

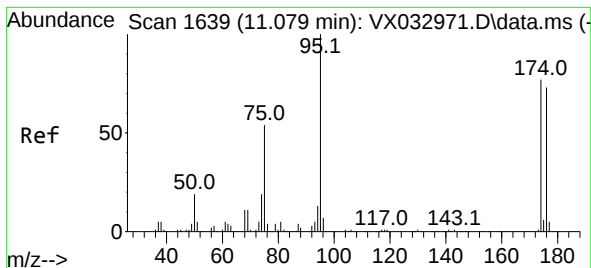
Tgt Ion: 43 Resp: 67152

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#

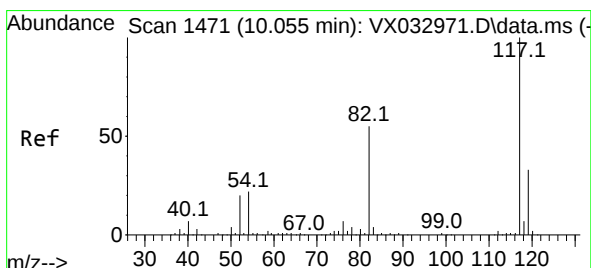
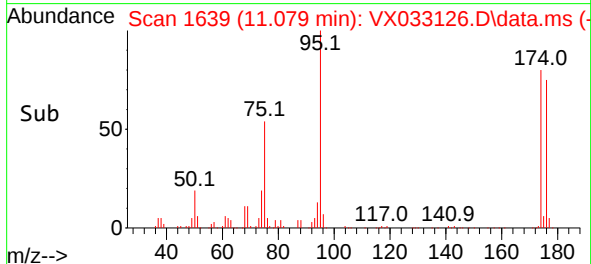
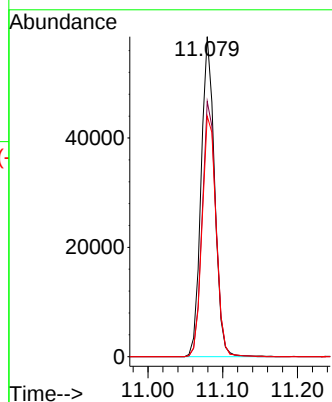
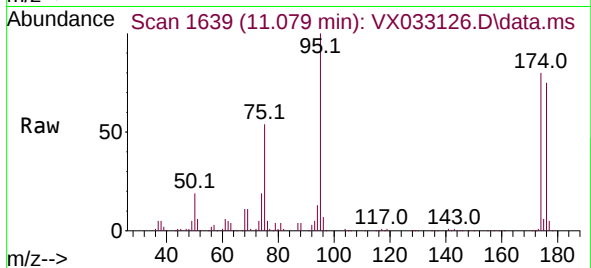




#62
4-Bromofluorobenzene
Concen: 46.074 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

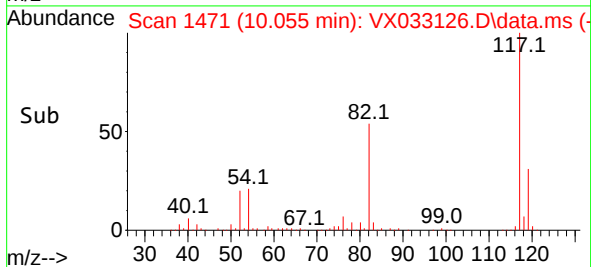
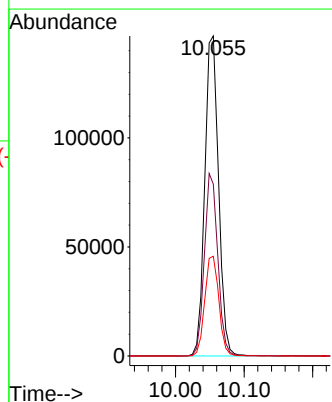
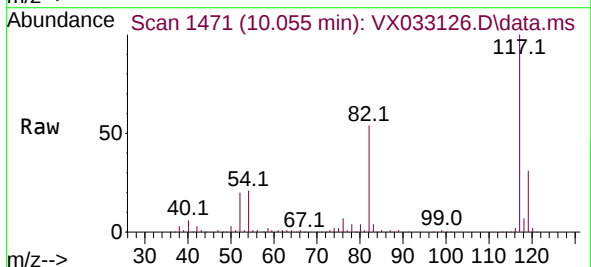
Instrument :
MSVOA_X
ClientSampleId :
TP-13

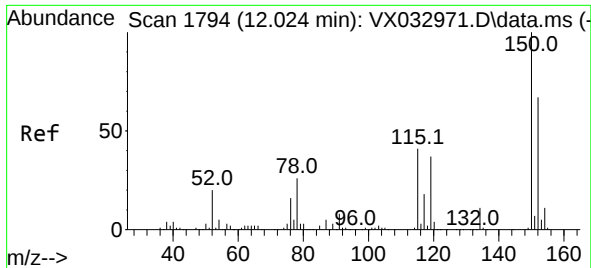
Tgt Ion: 95 Resp: 73280
Ion Ratio Lower Upper
95 100
174 81.0 0.0 164.0
176 78.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033126.D
Acq: 30 Nov 2022 13:00

Tgt Ion: 117 Resp: 205613
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.1 25.7 38.5

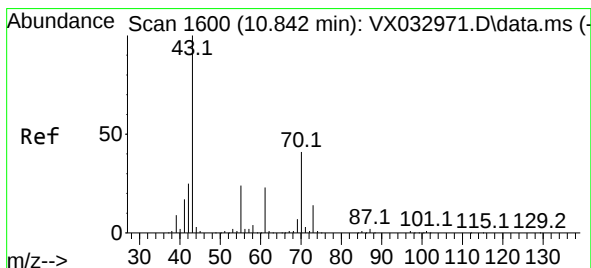
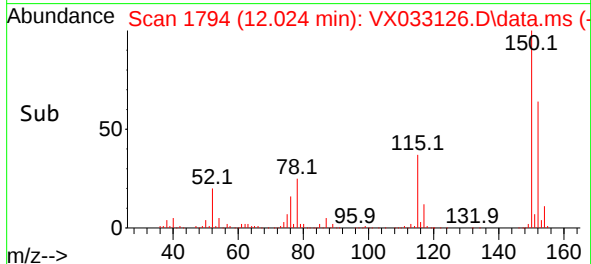
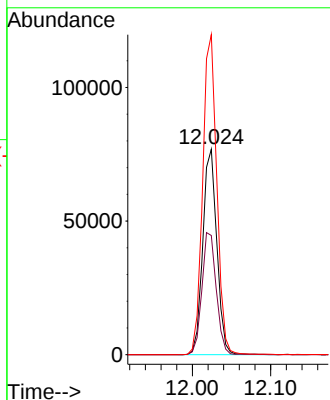
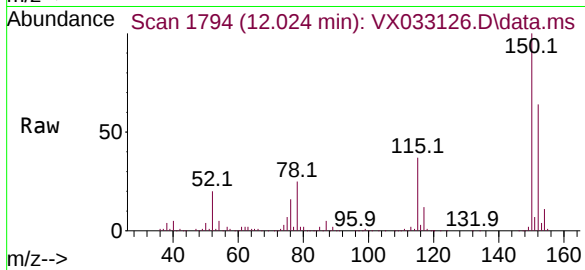




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033126.D
 Acq: 30 Nov 2022 13:00

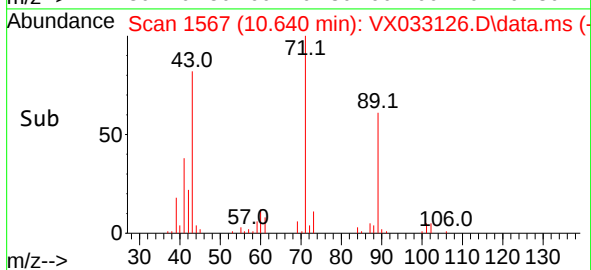
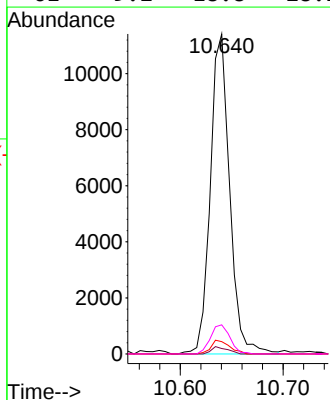
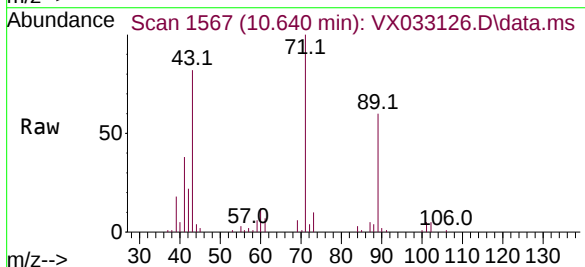
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

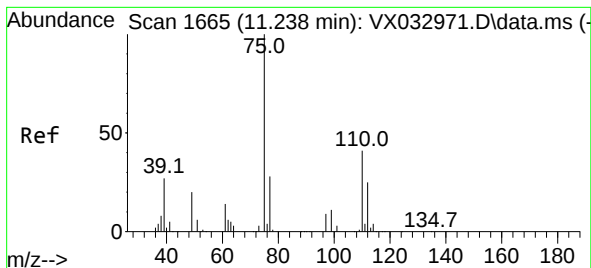
Tgt Ion:152 Resp: 95405
 Ion Ratio Lower Upper
 152 100
 115 60.9 44.0 132.0
 150 156.7 0.0 351.8



#74
 N-ethyl acetate
 Concen: 6.443 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.201 min
 Lab File: VX033126.D
 Acq: 30 Nov 2022 13:00

Tgt Ion: 43 Resp: 14942
 Ion Ratio Lower Upper
 43 100
 70 1.9 33.6 50.4#
 55 4.1 19.4 29.2#
 61 9.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.175 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

Instrument :

MSVOA_X

ClientSampleId :

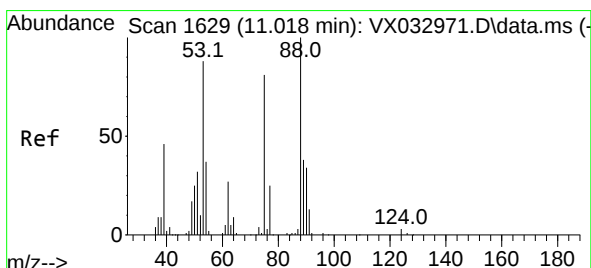
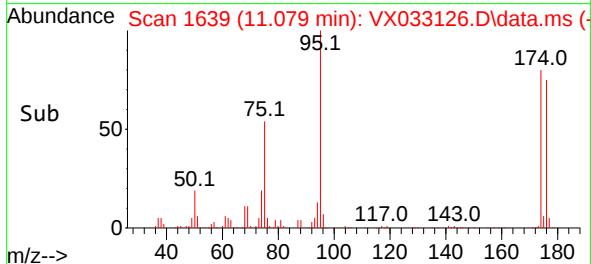
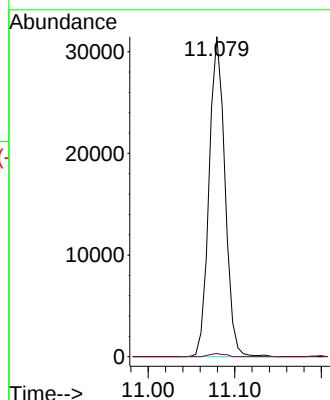
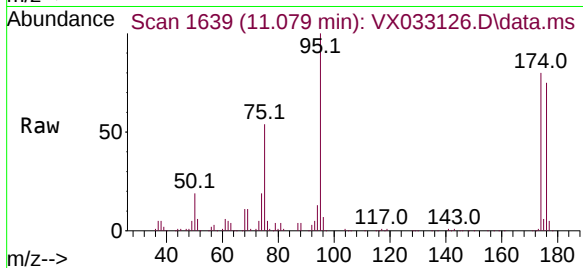
TP-13

Tgt Ion: 75 Resp: 40066

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.079 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033126.D

Acq: 30 Nov 2022 13:00

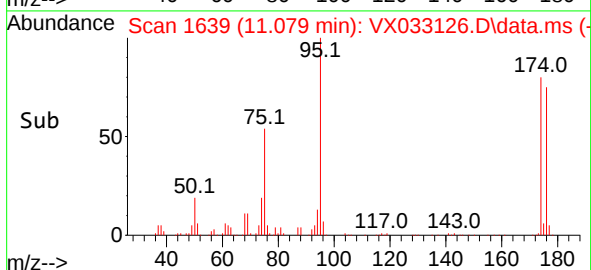
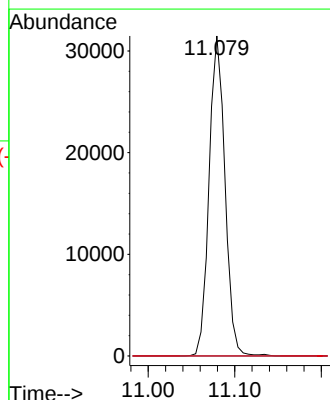
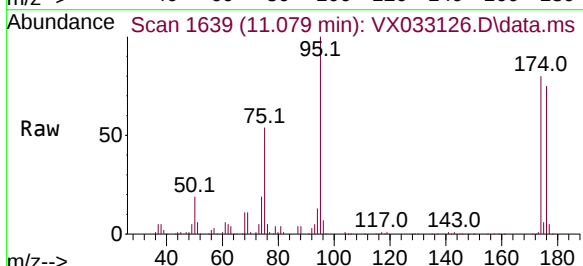
Tgt Ion: 75 Resp: 40066

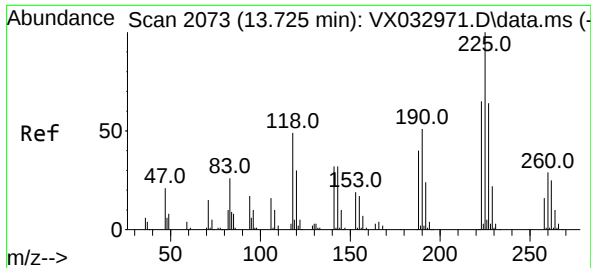
Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#





#94
 Hexachlorobutadiene
 Concen: 0.335 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX033126.D
 Acq: 30 Nov 2022 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-13

Tgt Ion:225	Resp:	279
Ion	Ratio	Lower Upper
225	100	
223	79.2	31.9 95.9
227	55.6	31.9 95.5

