

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033424.D
 Acq On : 14 Dec 2022 17:02
 Operator : JC/MD
 Sample : N6024-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

Quant Time: Dec 14 22:52:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

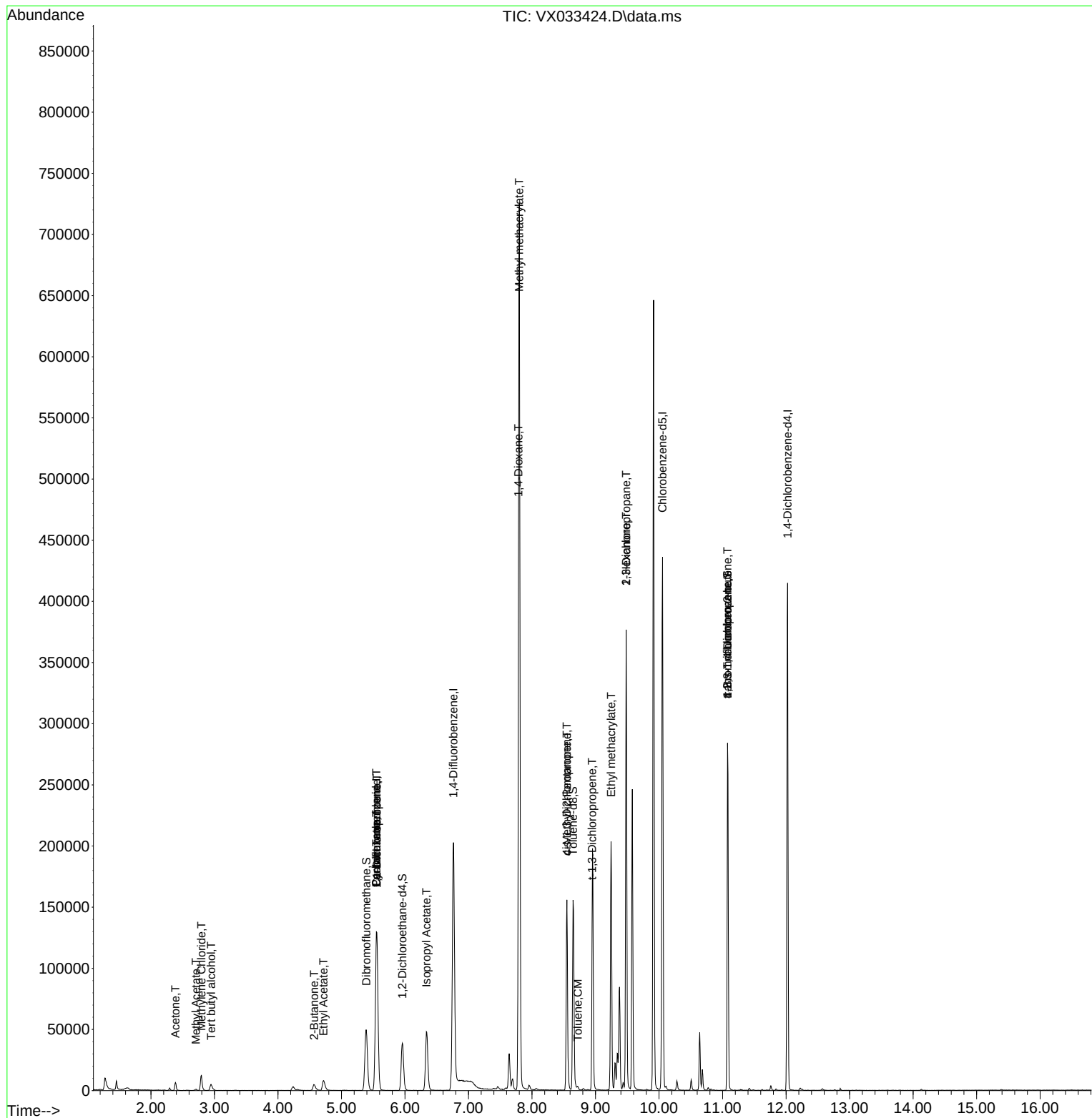
Internal Standards						
1) Pentafluorobenzene	5.550	168	126425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40951	50.491	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.980%			
35) Dibromofluoromethane	5.391	113	44945	48.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.460%			
50) Toluene-d8	8.647	98	95412	49.454	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74451	50.469	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	4279	17.256	ug/l #	72
16) Acetone	2.386	43	7459	12.428	ug/l	93
18) Methyl Acetate	2.709	43	1288	0.741	ug/l	97
20) Methylene Chloride	2.794	84	6339	4.736	ug/l	90
25) 2-Butanone	4.568	43	7883	9.150	ug/l #	89
31) Cyclohexane	5.550	56	2436	1.264	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9736	5.415	ug/l #	49
37) Ethyl Acetate	4.715	43	14960	8.801	ug/l	99
38) Carbon Tetrachloride	5.550	117	12877	6.392	ug/l #	15
43) Isopropyl Acetate	6.336	43	65721	24.031	ug/l	99
48) Methyl methacrylate	7.799	41	61834	43.809	ug/l #	42
49) 1,4-Dioxane	7.787	88	20	0.621	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	51146	29.573	ug/l #	50
52) Toluene	8.720	92	955	0.282	ug/l	94
53) t-1,3-Dichloropropene	8.946	75	470	2.714	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	24556	11.590	ug/l #	58
56) Ethyl methacrylate	9.244	69	529	0.264	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3157	1.379	ug/l #	42
59) 2-Hexanone	9.482	43	42231	33.135	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	37661	21.278	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37661	66.190	ug/l #	6

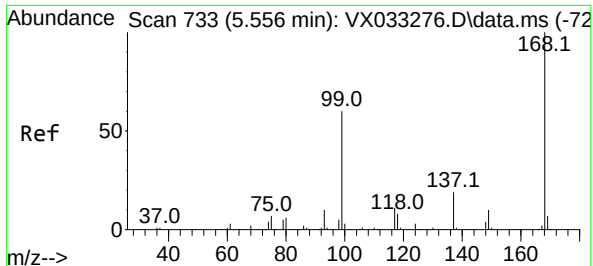
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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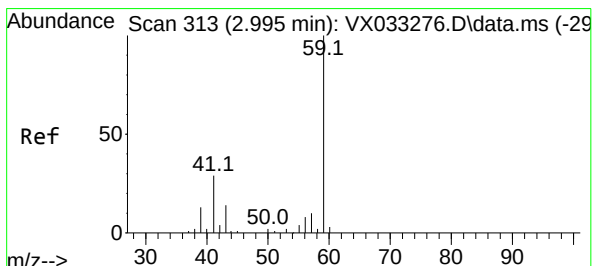
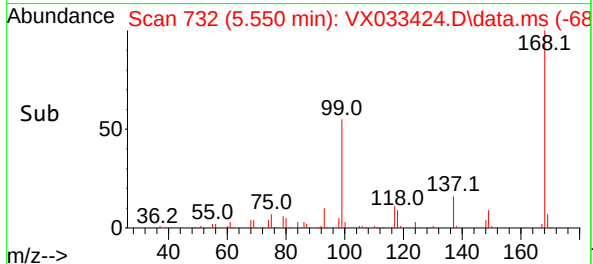
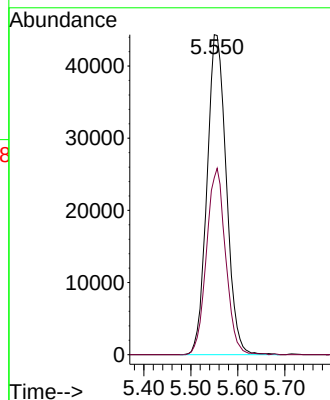
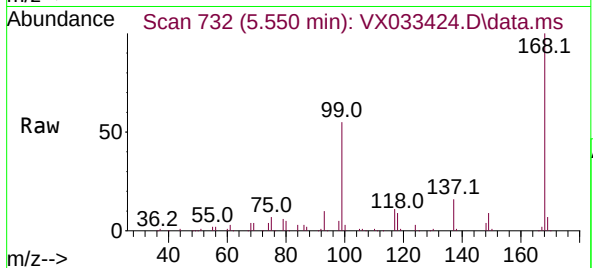




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

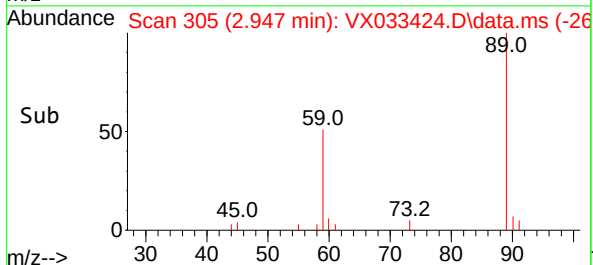
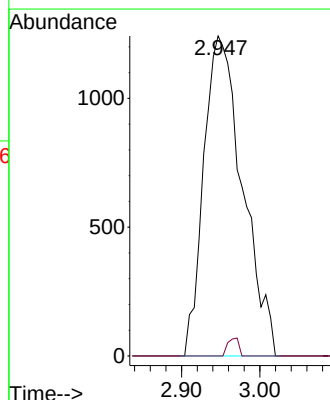
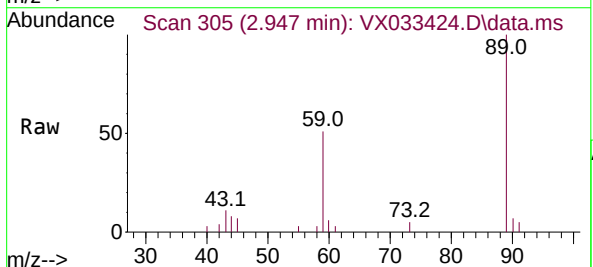
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

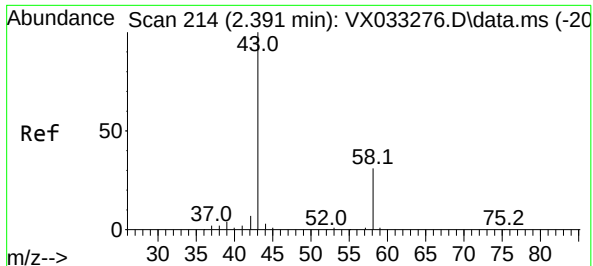
Tgt Ion:168 Resp: 126425
Ion Ratio Lower Upper
168 100
99 55.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 17.256 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 59 Resp: 4279
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

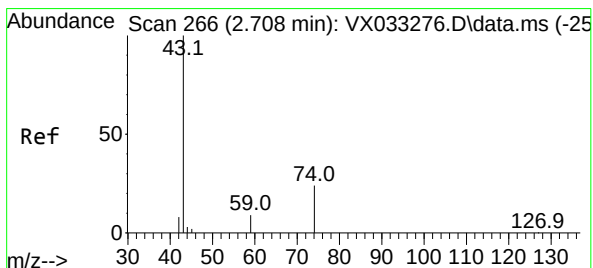
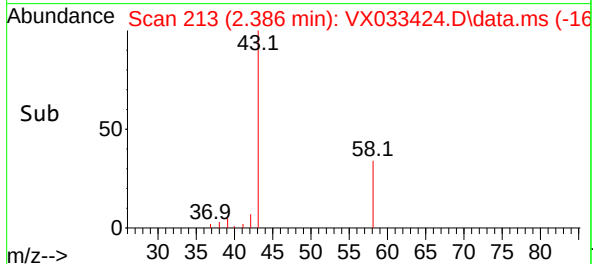
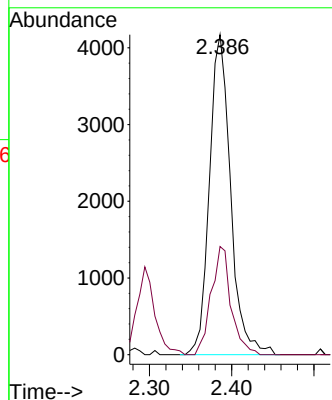
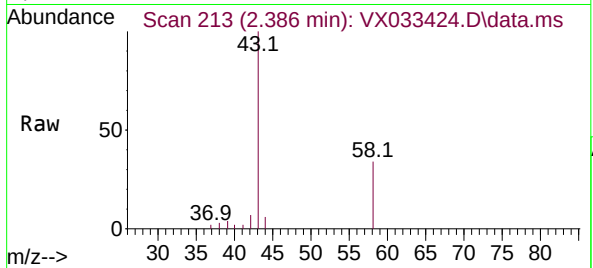




#16
Acetone
Concen: 12.428 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

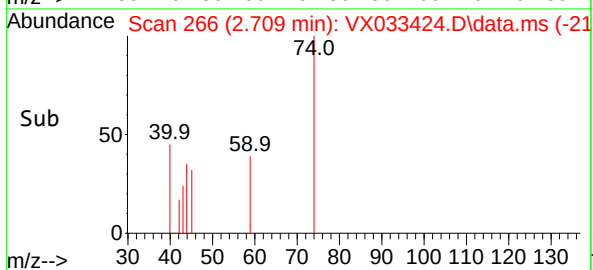
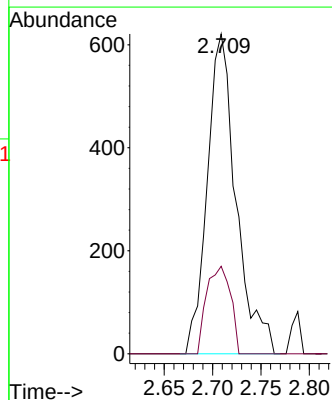
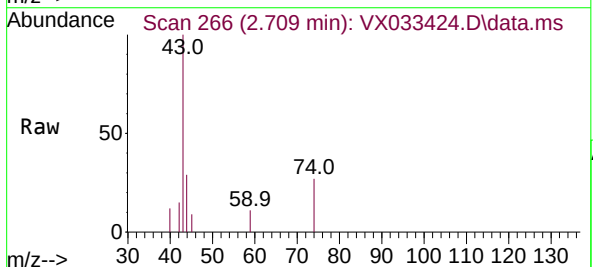
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

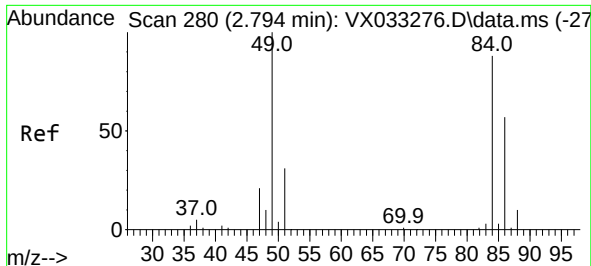
Tgt Ion: 43 Resp: 7459
Ion Ratio Lower Upper
43 100
58 33.8 23.8 35.8



#18
Methyl Acetate
Concen: 0.741 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 43 Resp: 1288
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.0





#20

Methylene Chloride

Concen: 4.736 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033424.D

Acq: 14 Dec 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-Q

Tgt Ion: 84 Resp: 6339

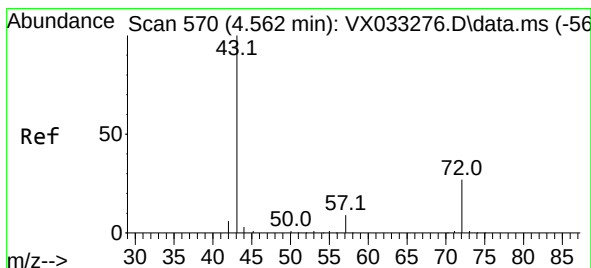
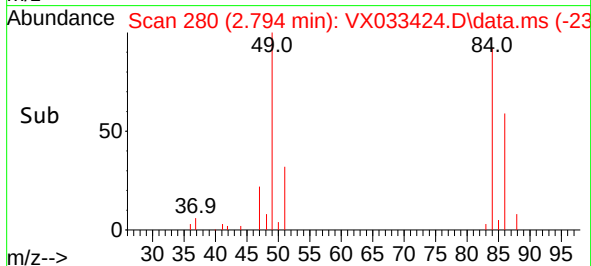
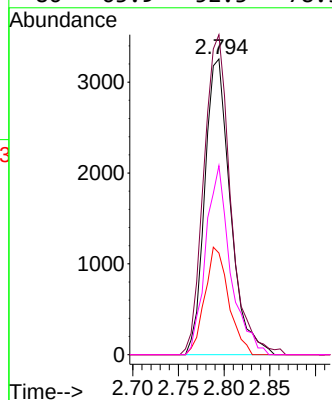
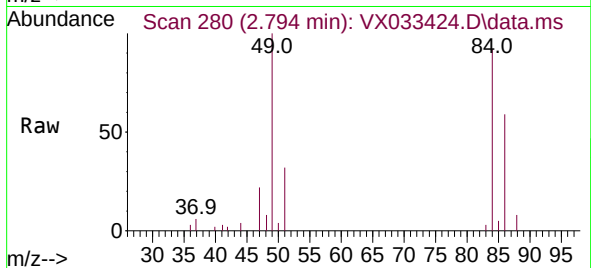
Ion Ratio Lower Upper

84 100

49 108.2 101.0 151.6

51 34.4 31.1 46.7

86 63.9 52.3 78.5



#25

2-Butanone

Concen: 9.150 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX033424.D

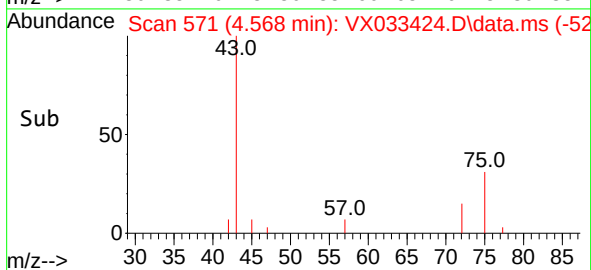
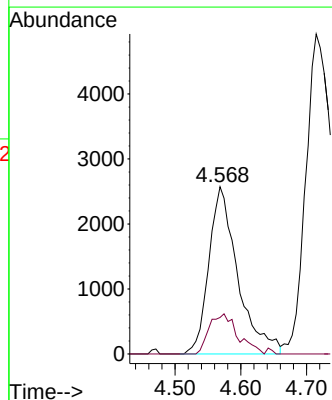
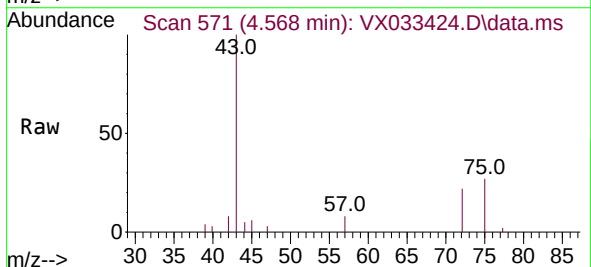
Acq: 14 Dec 2022 17:02

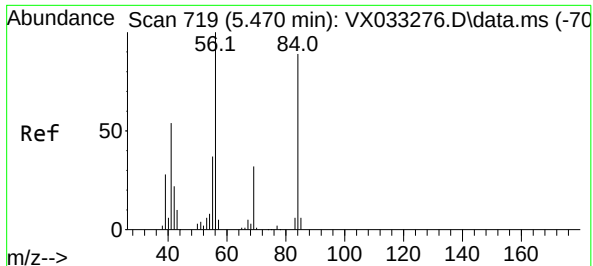
Tgt Ion: 43 Resp: 7883

Ion Ratio Lower Upper

43 100

72 21.8 22.2 33.2#

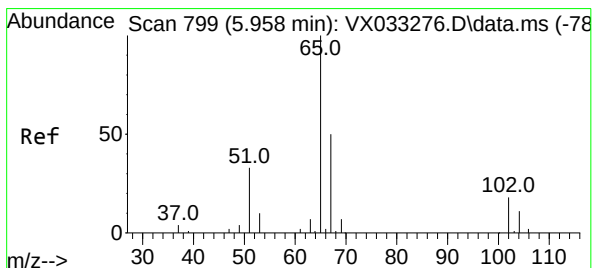
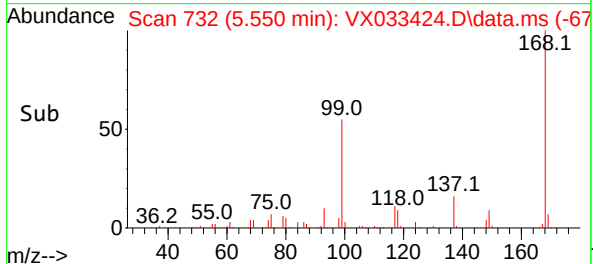
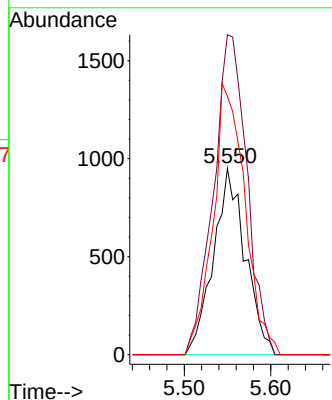
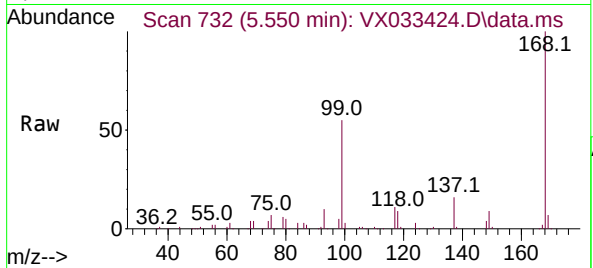




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

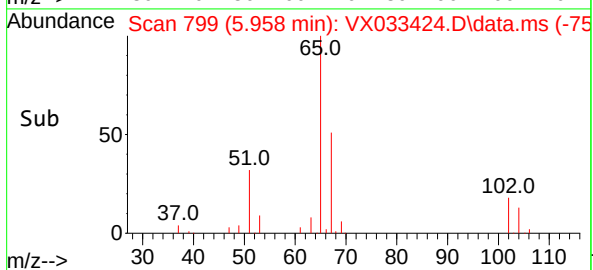
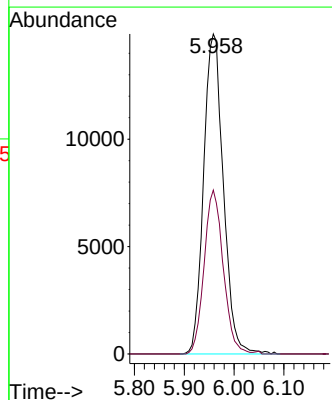
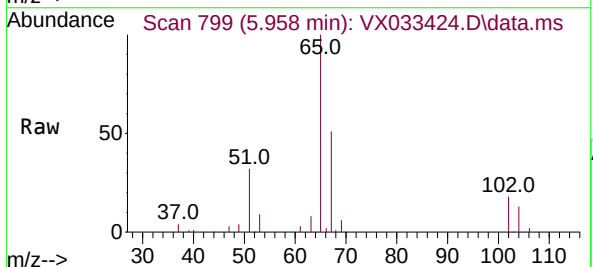
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

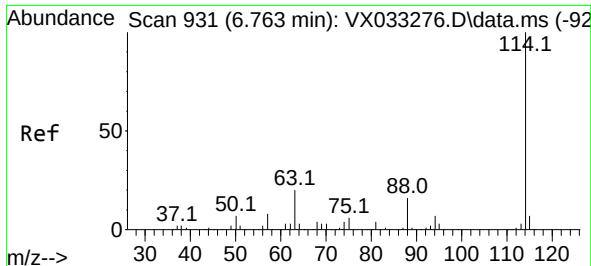
Tgt Ion: 56 Resp: 2436
Ion Ratio Lower Upper
56 100
69 171.7 24.1 36.1#
84 138.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.491 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 65 Resp: 40951
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.8

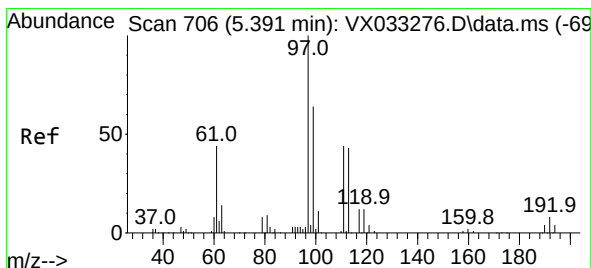
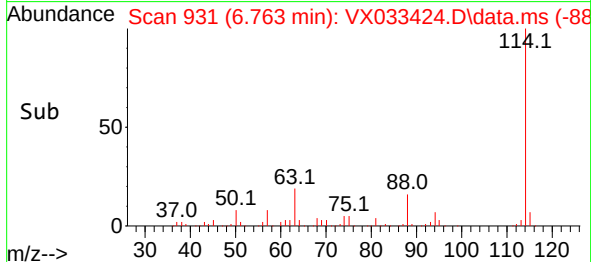
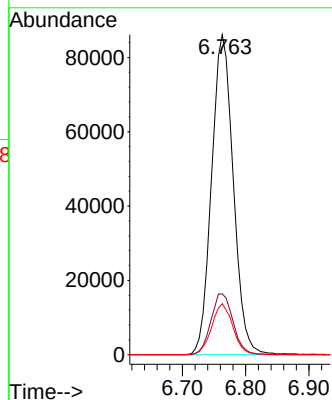
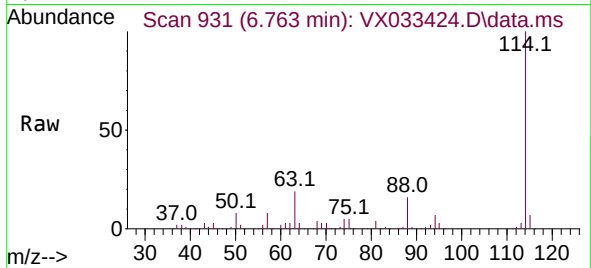




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

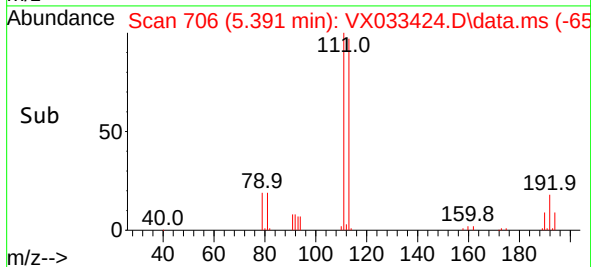
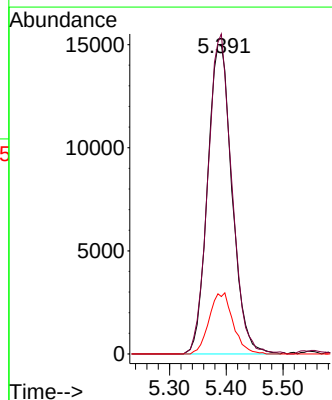
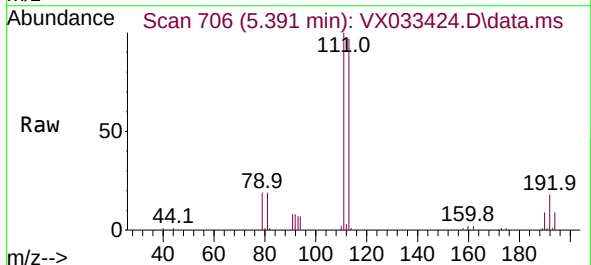
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

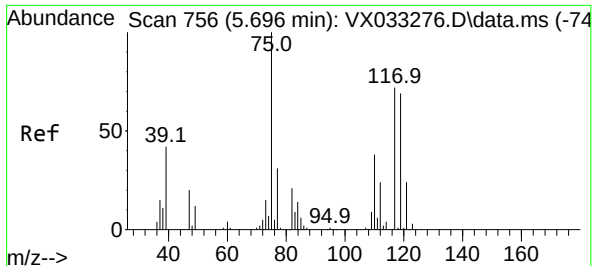
Tgt Ion:114 Resp: 205047
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.6
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.733 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion:113 Resp: 44945
Ion Ratio Lower Upper
113 100
111 101.2 82.4 123.6
192 19.3 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.415 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033424.D

Acq: 14 Dec 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-Q

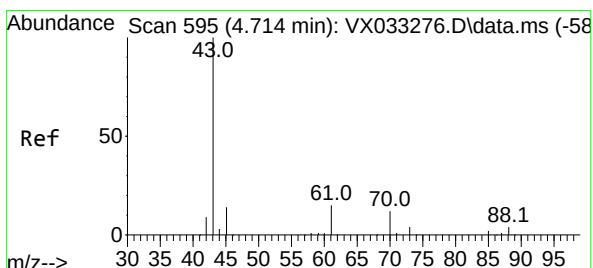
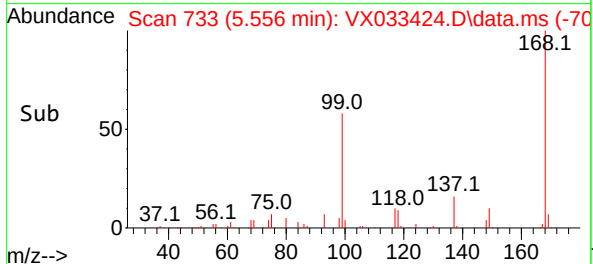
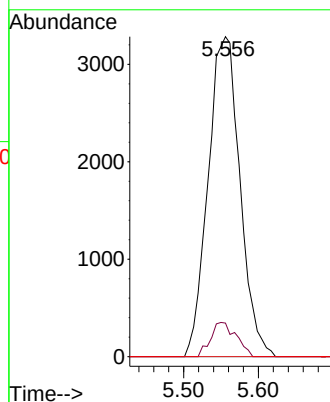
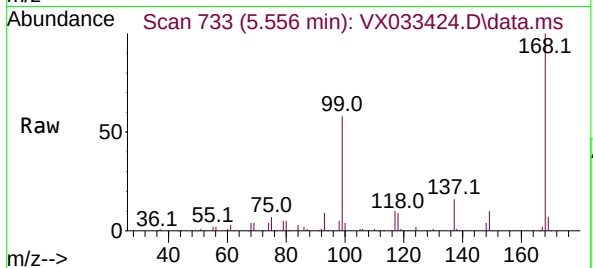
Tgt Ion: 75 Resp: 9736

Ion Ratio Lower Upper

75 100

110 8.6 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 8.801 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033424.D

Acq: 14 Dec 2022 17:02

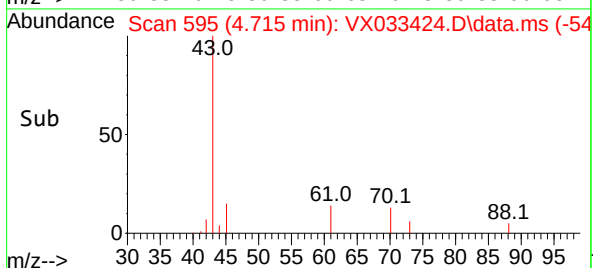
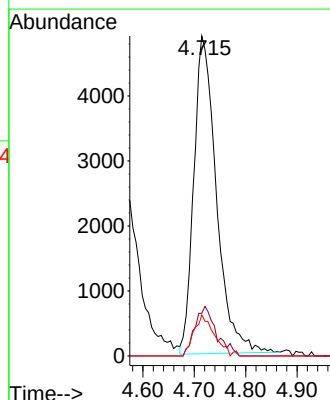
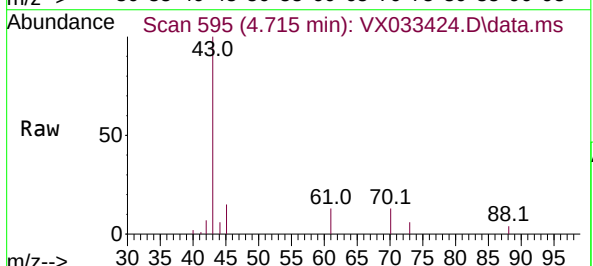
Tgt Ion: 43 Resp: 14960

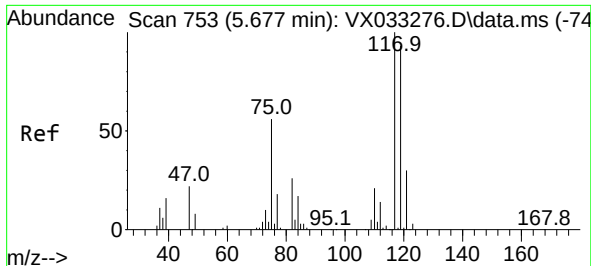
Ion Ratio Lower Upper

43 100

61 14.8 11.5 17.3

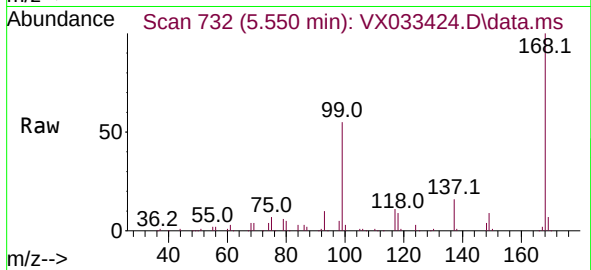
70 11.8 9.1 13.7



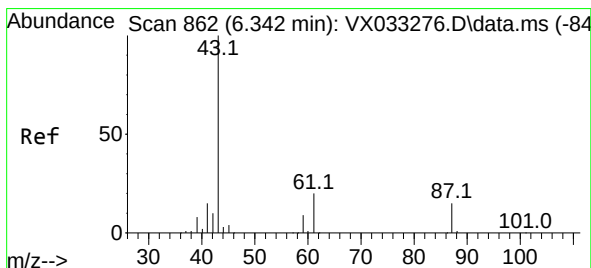
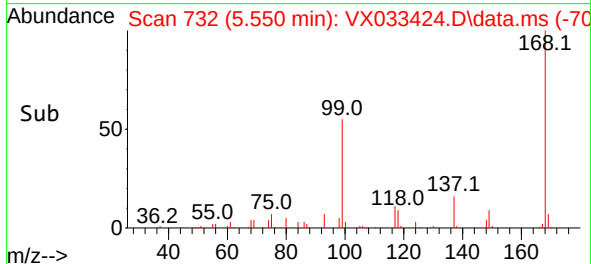
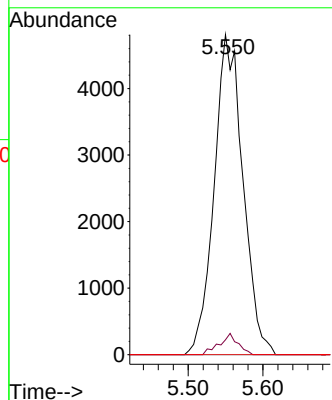


#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Instrument :
MSVOA_X
ClientSampleId :
TP-Q

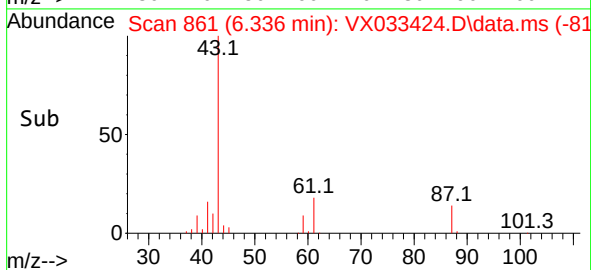
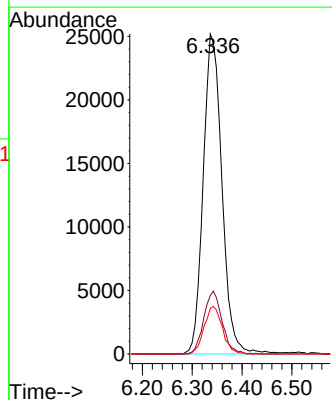
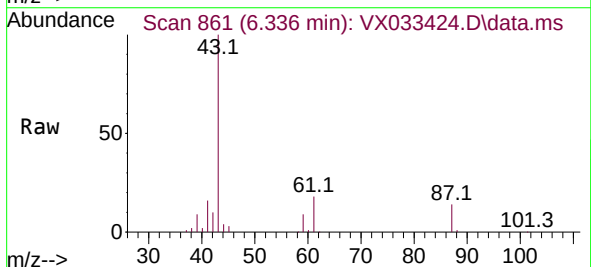


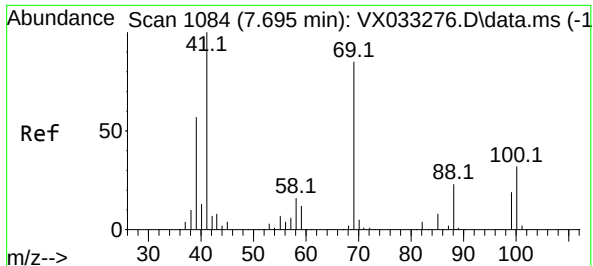
Tgt Ion:117 Resp: 12877
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 24.031 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 43 Resp: 65721
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 14.4 10.8 16.2

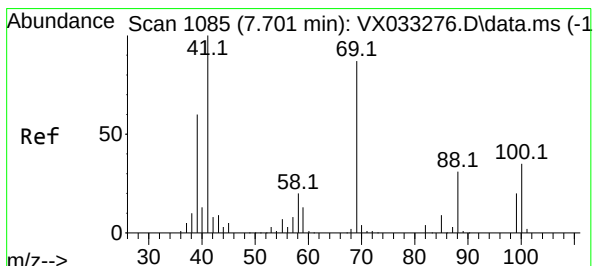
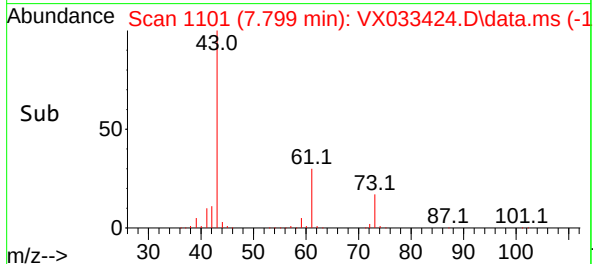
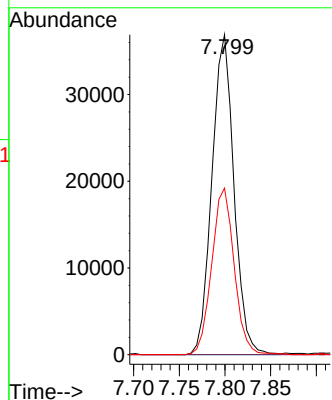
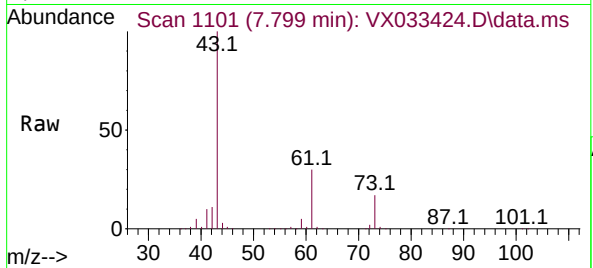




#48
Methyl methacrylate
Concen: 43.809 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

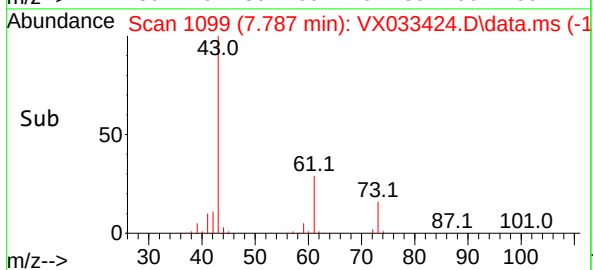
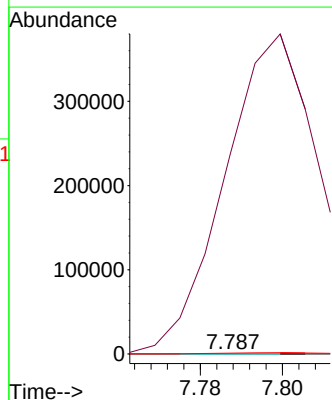
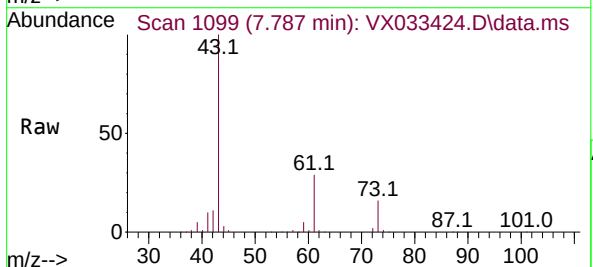
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

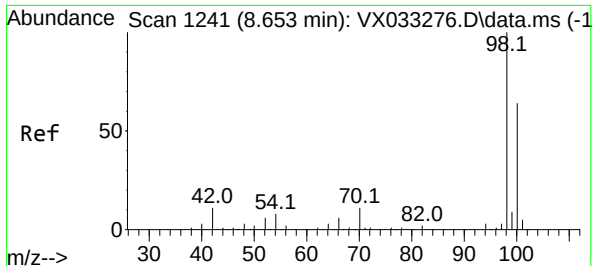
Tgt Ion: 41 Resp: 61834
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 53.0 51.9 77.9



#49
1,4-Dioxane
Concen: 0.621 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.086 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3160260.0 26.6 39.8#
58 13440.0 51.7 77.5#

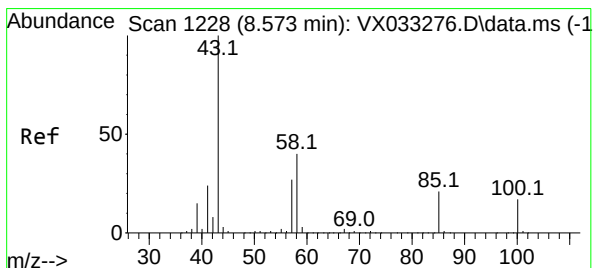
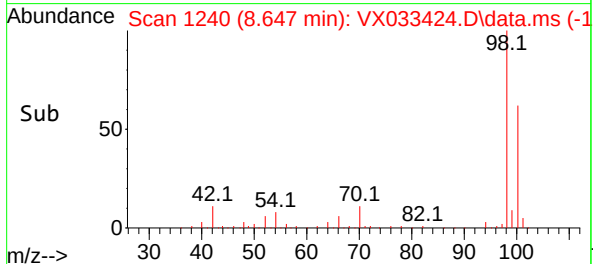
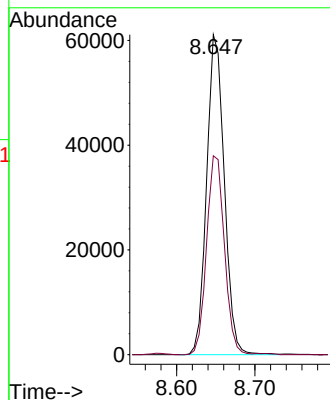
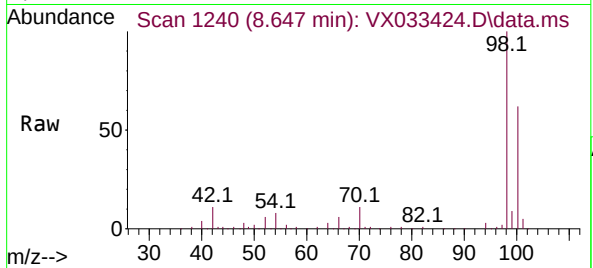




#50
Toluene-d8
Concen: 49.454 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

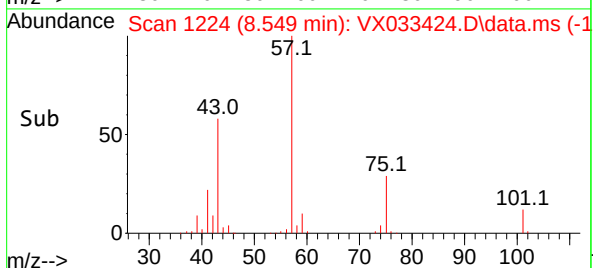
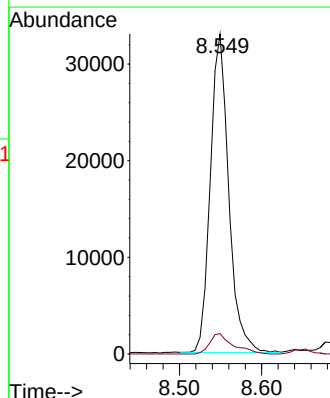
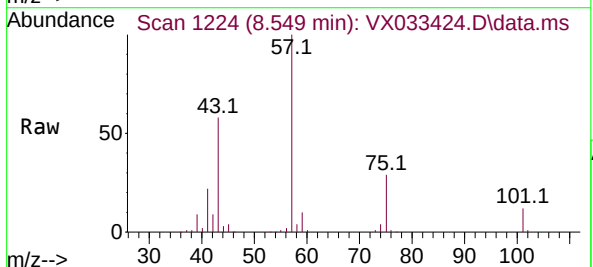
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

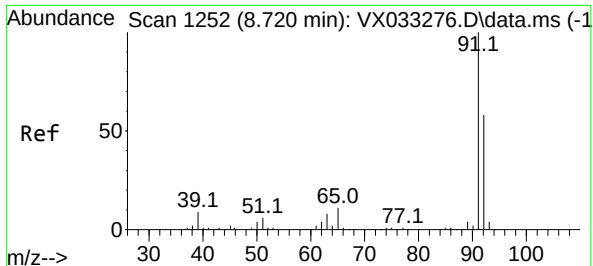
Tgt Ion: 98 Resp: 95412
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 29.573 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 43 Resp: 51146
Ion Ratio Lower Upper
43 100
58 8.0 30.9 46.3#

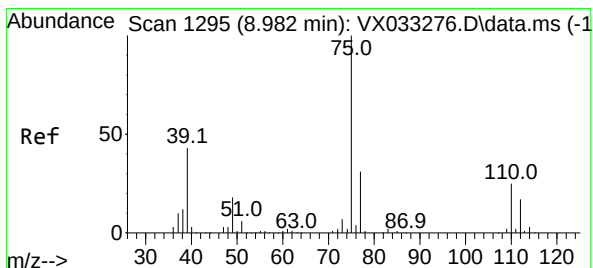
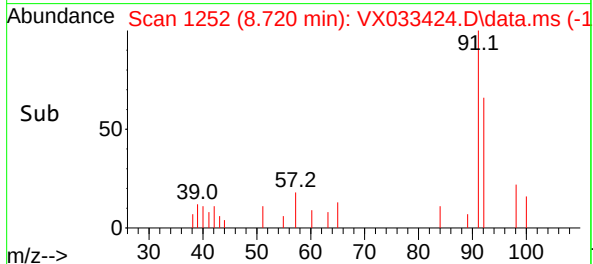
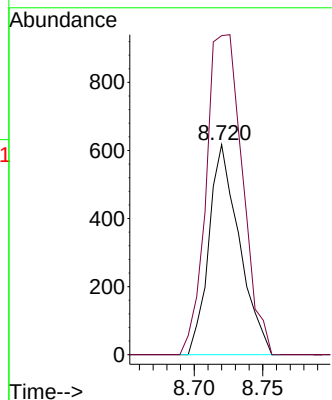
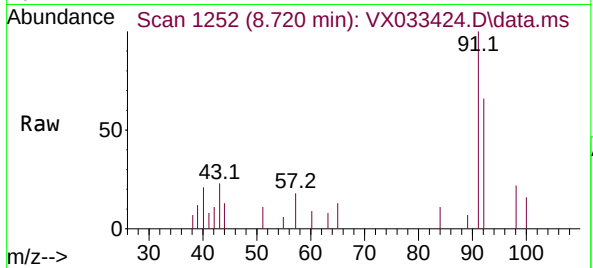




#52
Toluene
Concen: 0.282 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

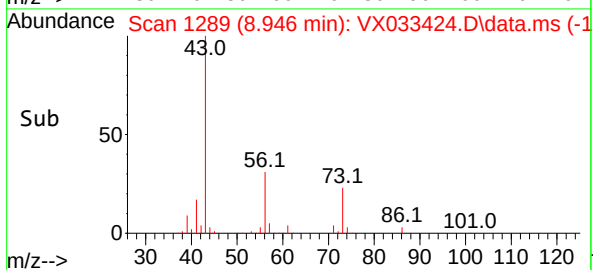
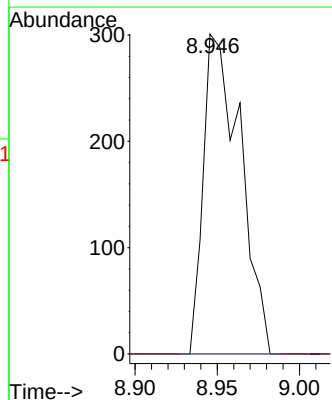
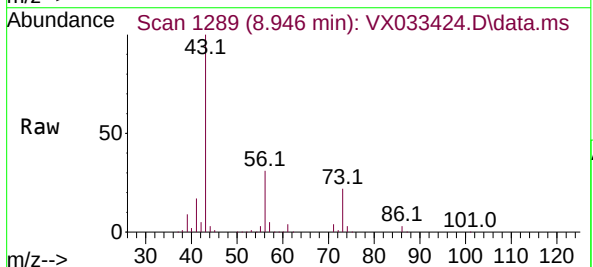
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

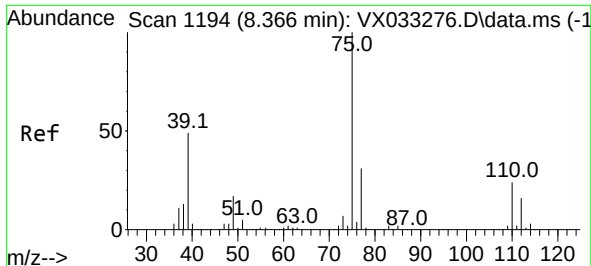
Tgt Ion: 92 Resp: 955
Ion Ratio Lower Upper
92 100
91 181.6 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 2.714 ug/l
RT: 8.946 min Scan# 1289
Delta R.T. -0.036 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 75 Resp: 470
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

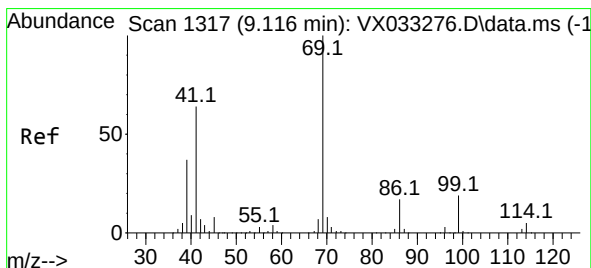
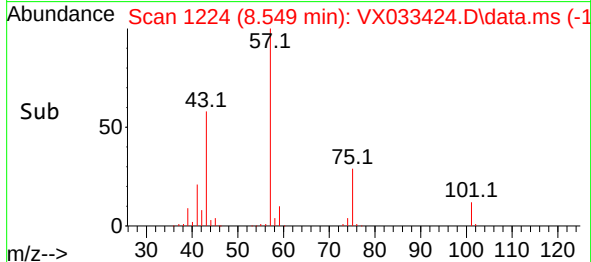
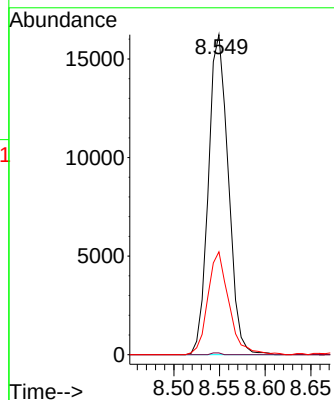
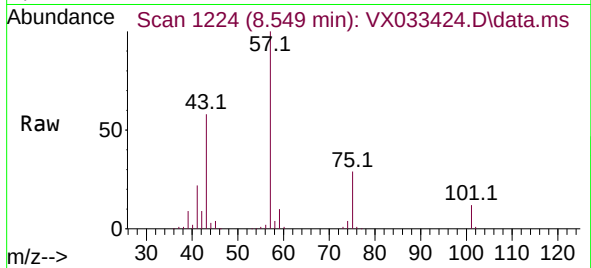




#54
cis-1,3-Dichloropropene
Concen: 11.590 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

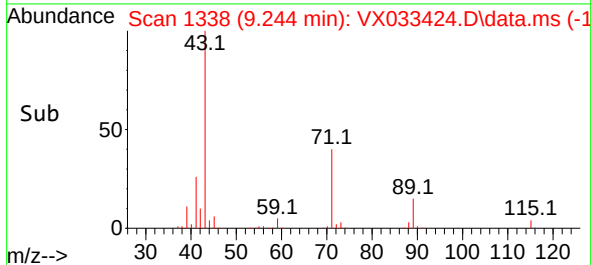
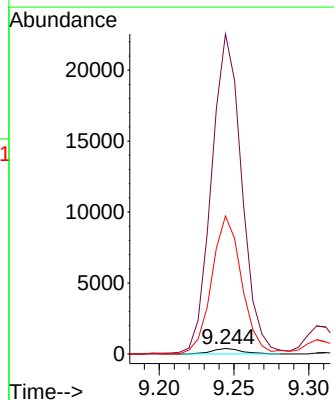
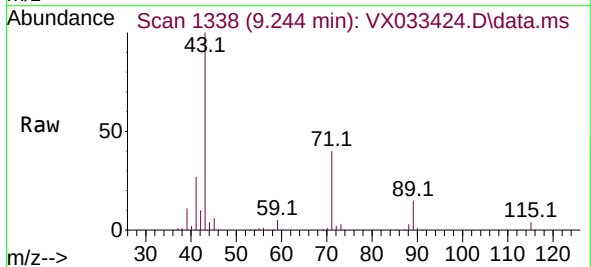
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

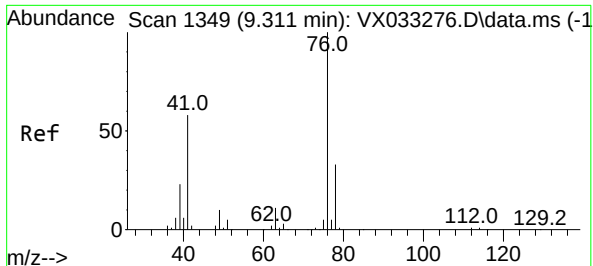
Tgt Ion: 75 Resp: 24556
Ion Ratio Lower Upper
75 100
77 0.5 25.1 37.7#
39 32.1 45.5 68.3#



#56
Ethyl methacrylate
Concen: 0.264 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033424.D
Acq: 14 Dec 2022 17:02

Tgt Ion: 69 Resp: 529
Ion Ratio Lower Upper
69 100
41 6027.0 54.3 81.5#
39 2569.8 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.379 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033424.D

Acq: 14 Dec 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

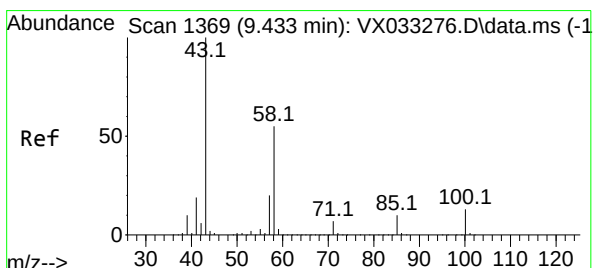
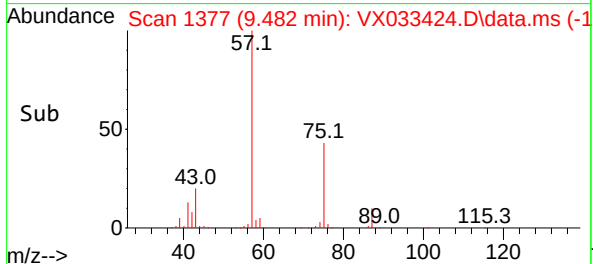
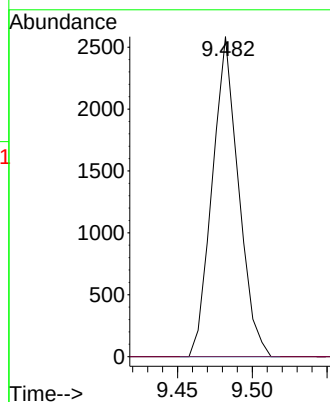
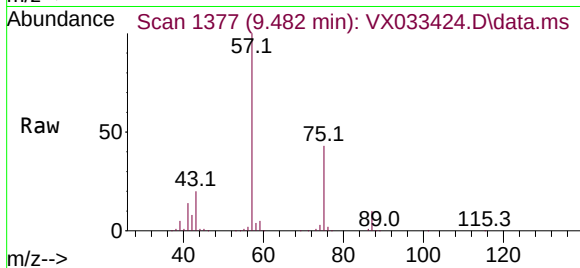
TP-Q

Tgt Ion: 76 Resp: 3157

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 33.135 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033424.D

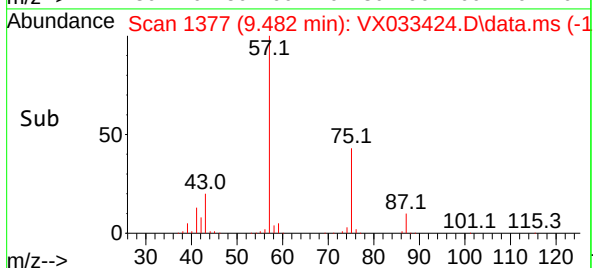
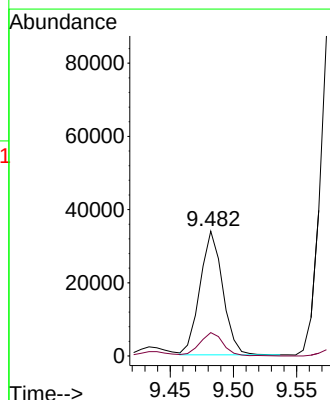
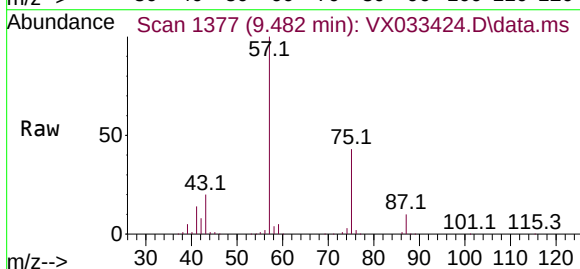
Acq: 14 Dec 2022 17:02

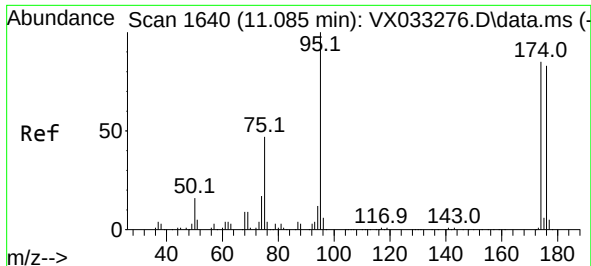
Tgt Ion: 43 Resp: 42231

Ion Ratio Lower Upper

43 100

58 19.7 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 50.469 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033424.D

Acq: 14 Dec 2022 17:02

Instrument :

MSVOA_X

ClientSampleId :

TP-Q

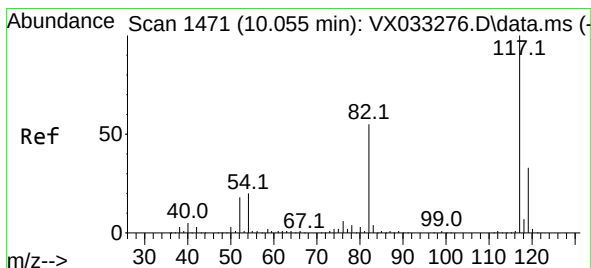
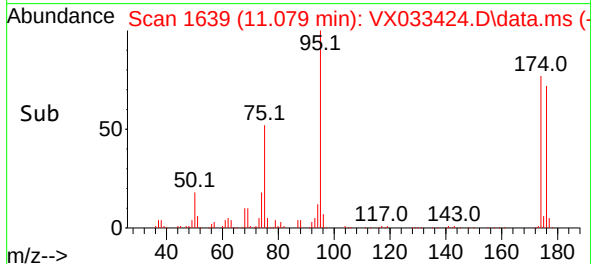
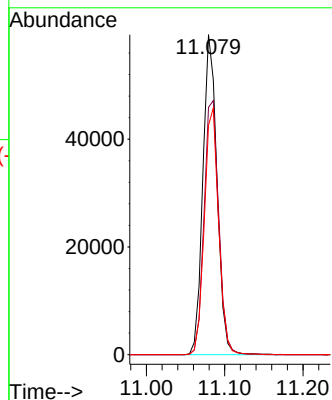
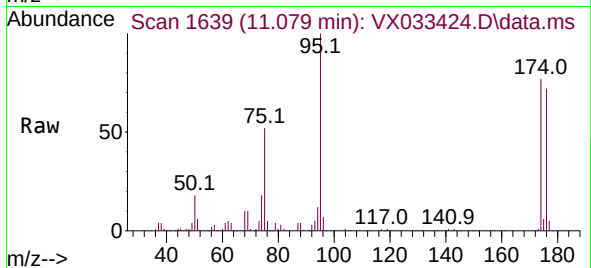
Tgt Ion: 95 Resp: 74451

Ion Ratio Lower Upper

95 100

174 82.6 0.0 164.0

176 78.0 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: VX033424.D

Acq: 14 Dec 2022 17:02

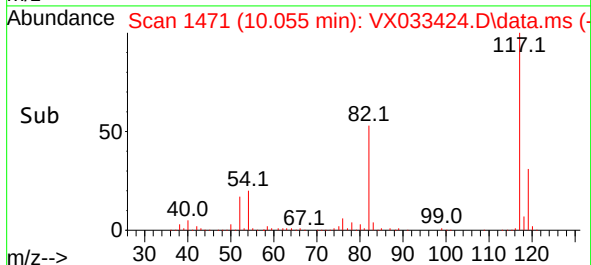
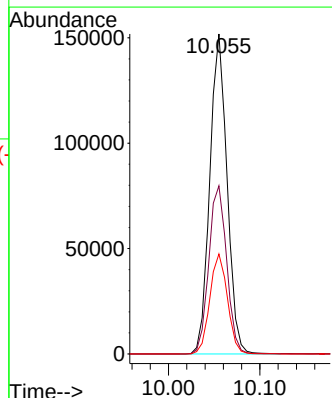
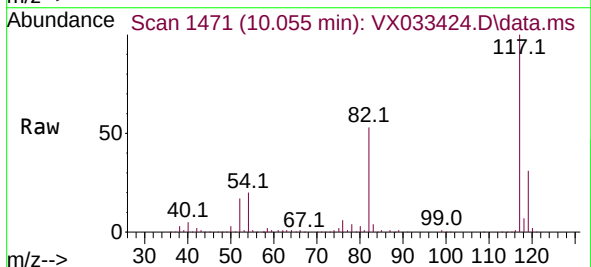
Tgt Ion: 117 Resp: 198524

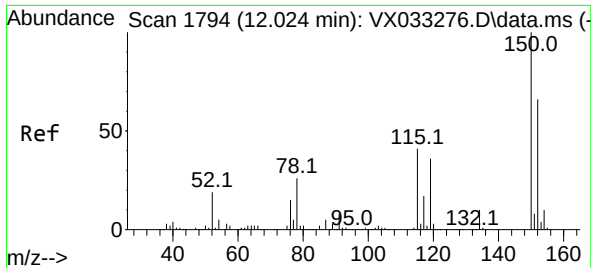
Ion Ratio Lower Upper

117 100

82 52.6 44.3 66.5

119 31.3 25.7 38.5

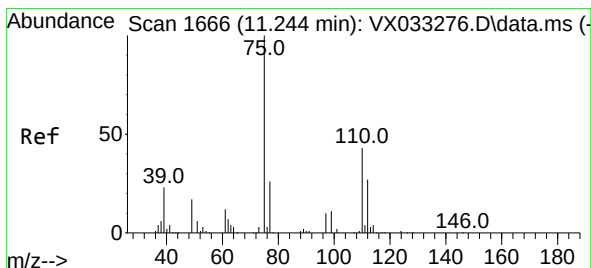
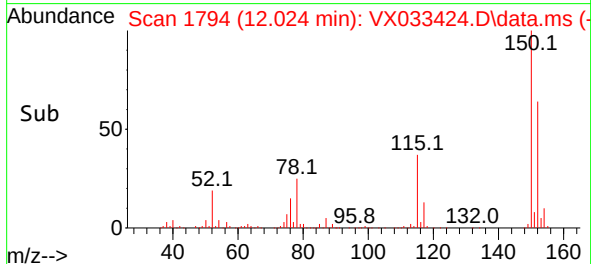
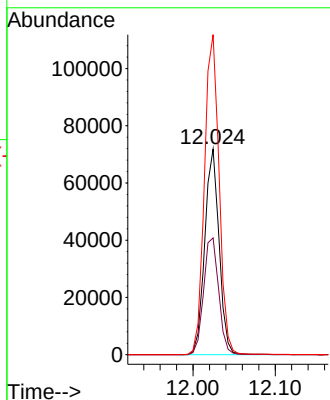
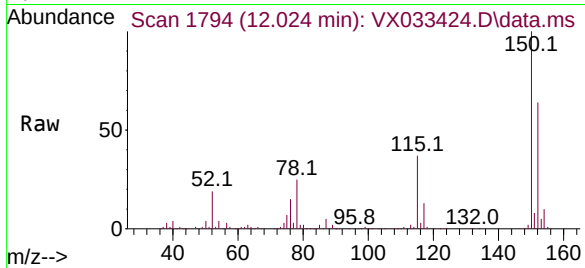




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033424.D
 Acq: 14 Dec 2022 17:02

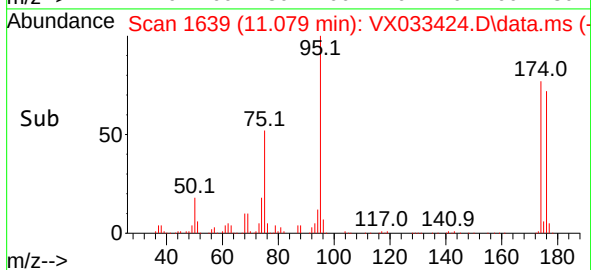
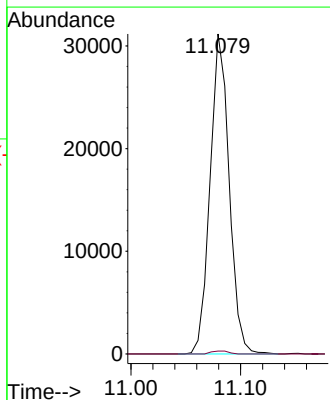
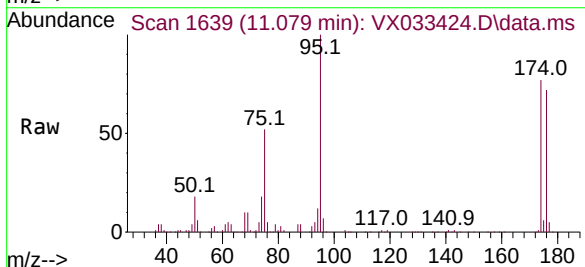
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

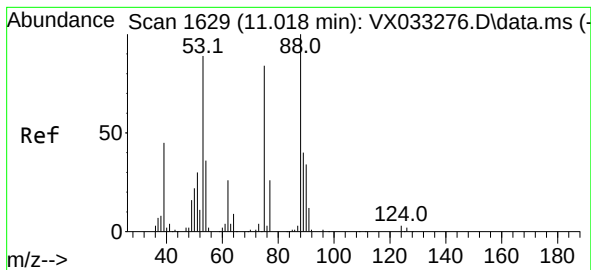
Tgt Ion:152 Resp: 86995
 Ion Ratio Lower Upper
 152 100
 115 59.6 44.0 132.0
 150 159.2 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 21.278 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX033424.D
 Acq: 14 Dec 2022 17:02

Tgt Ion: 75 Resp: 37661
 Ion Ratio Lower Upper
 75 100
 77 0.8 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.190 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033424.D
 Acq: 14 Dec 2022 17:02

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

Tgt Ion: 75 Resp: 37661
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

