

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043240.D
 Acq On : 02 Oct 2024 18:37
 Operator : JC/MD
 Sample : P4242-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

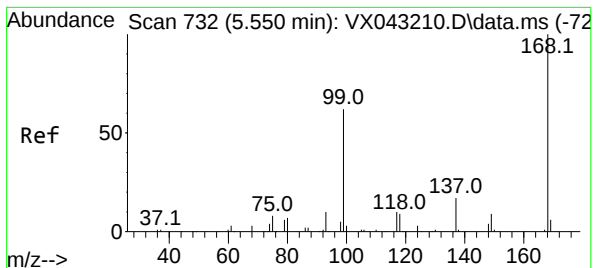
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

Quant Time: Oct 03 02:37:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 16:50:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	76288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151070	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68487	54.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.940%			
35) Dibromofluoromethane	5.385	113	50292	48.272	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.540%			
50) Toluene-d8	8.647	98	182780	50.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	11.079	95	67581	51.524	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.040%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	770	3.248	ug/l #	71
16) Acetone	2.386	43	14610	28.080	ug/l	93
18) Methyl Acetate	2.709	43	2405	1.843	ug/l	93
20) Methylene Chloride	2.782	84	3120	3.252	ug/l	91
23) Vinyl Acetate	3.952	43	38	6.351	ug/l #	71
25) 2-Butanone	4.593	43	4213	5.906	ug/l	93
29) Tetrahydrofuran	5.050	42	410	0.902	ug/l #	42
31) Cyclohexane	5.544	56	1978	1.471	ug/l #	38
36) 1,1-Dichloropropene	5.544	75	6939	5.272	ug/l #	48
37) Ethyl Acetate	4.751	43	2644	1.673	ug/l #	73
38) Carbon Tetrachloride	5.544	117	8597	5.518	ug/l #	18
41) Methacrylonitrile	5.038	41	310	0.377	ug/l #	48
43) Isopropyl Acetate	6.342	43	89670	34.348	ug/l	100
48) Methyl methacrylate	7.799	41	79611	62.150	ug/l #	45
49) 1,4-Dioxane	7.793	88	121	4.859	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	72324	45.614	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	463	0.302	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31002	18.854	ug/l #	60
56) Ethyl methacrylate	9.250	69	591	0.364	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4222	2.494	ug/l #	43
59) 2-Hexanone	9.482	43	56159	46.837	ug/l #	53
74) N-amyl acetate	10.780	43	744	0.337	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	37114	27.935	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	37114	72.398	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

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MSVOA_X

ClientSampleId :

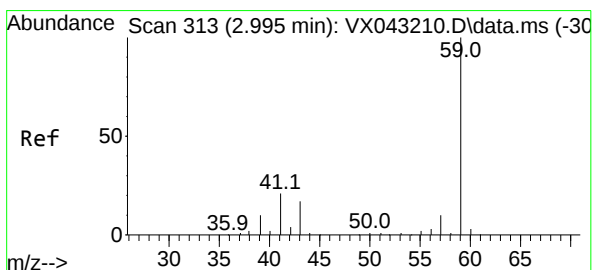
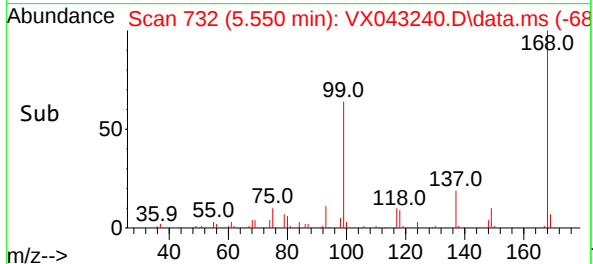
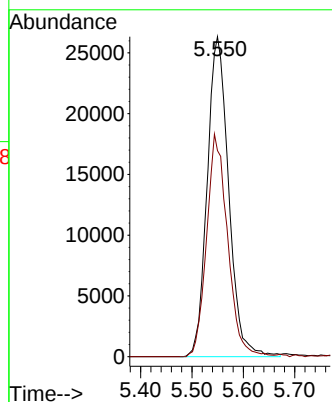
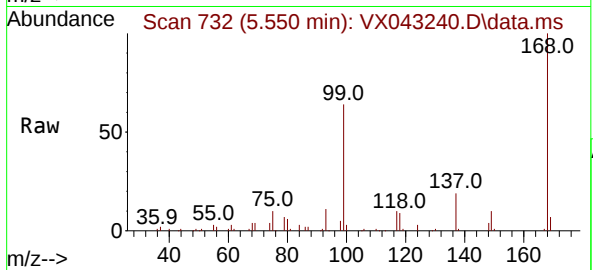
TP-Q

Tgt Ion:168 Resp: 76288

Ion Ratio Lower Upper

168 100

99 64.4 49.7 74.5



#11

Tert butyl alcohol

Concen: 3.248 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.012 min

Lab File: VX043240.D

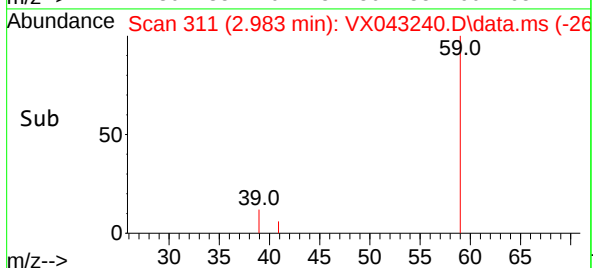
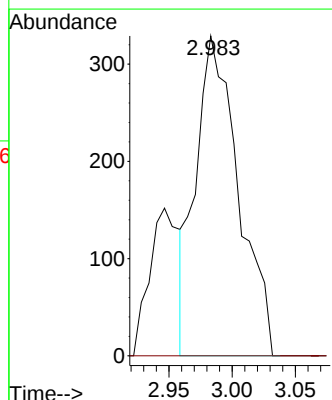
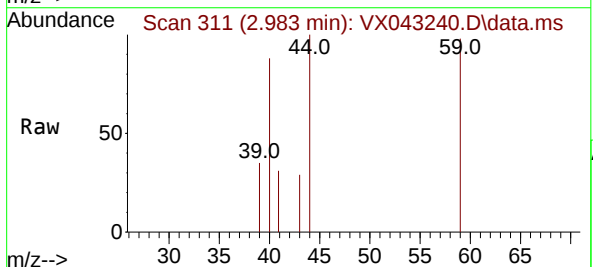
Acq: 02 Oct 2024 18:37

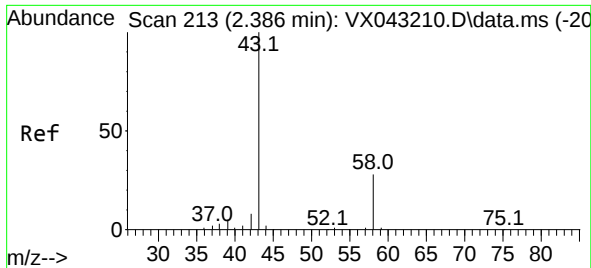
Tgt Ion: 59 Resp: 770

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#

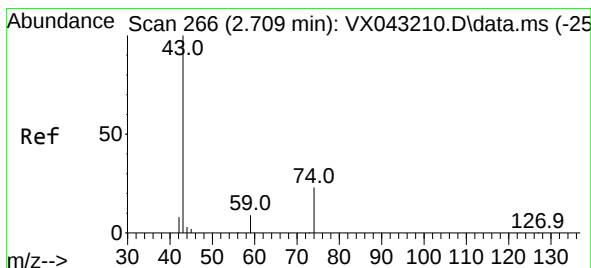
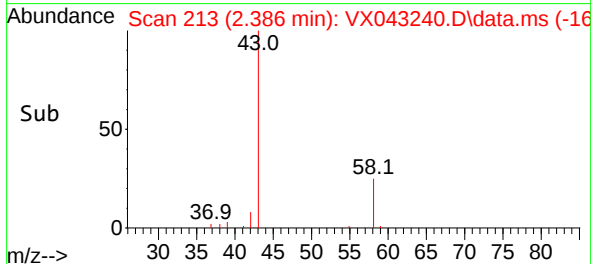
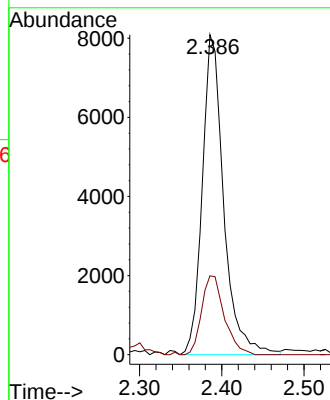
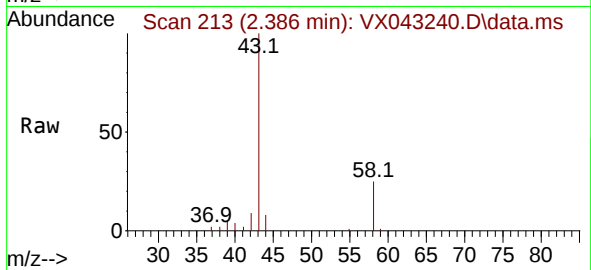




#16
Acetone
Concen: 28.080 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

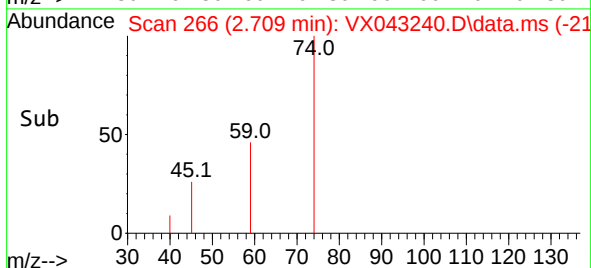
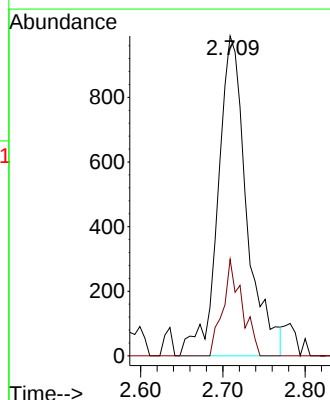
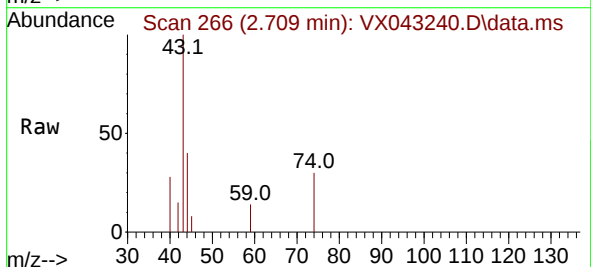
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

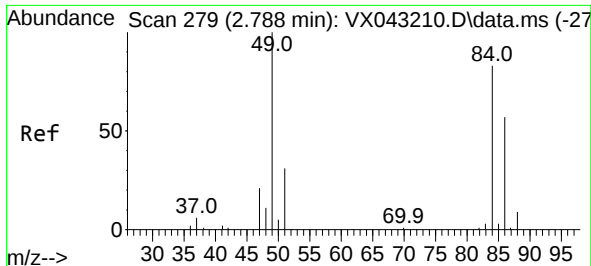
Tgt Ion: 43 Resp: 14610
Ion Ratio Lower Upper
43 100
58 24.6 22.6 33.8



#18
Methyl Acetate
Concen: 1.843 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
74 20.3 19.1 28.7

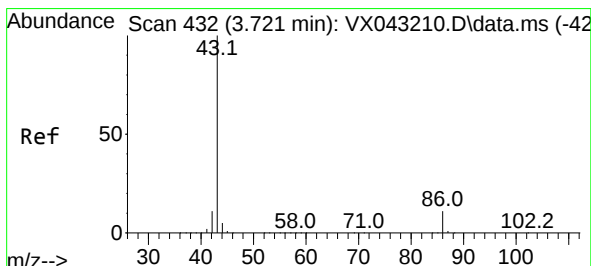
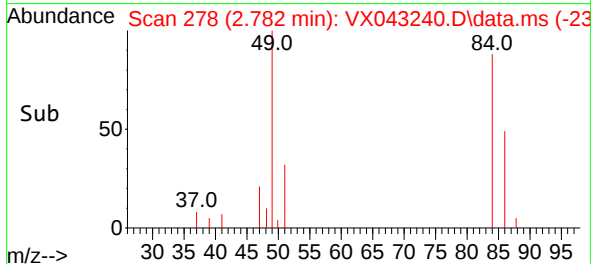
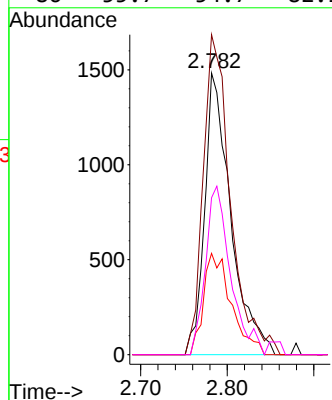
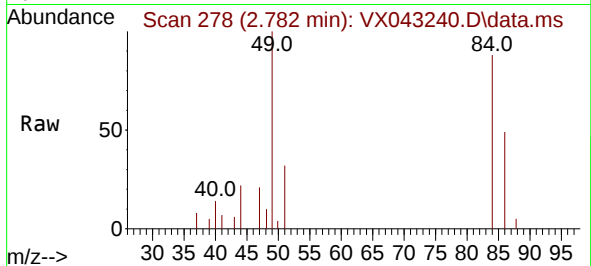




#20
Methylene Chloride
Concen: 3.252 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

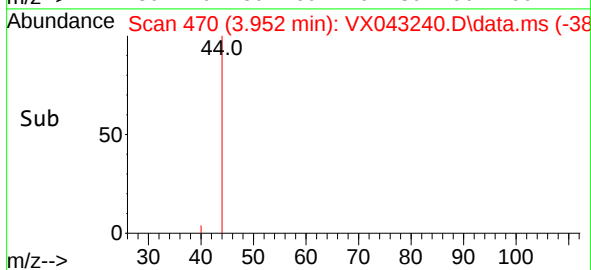
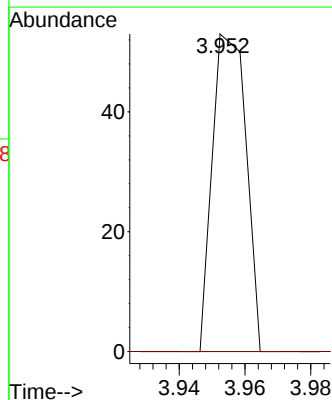
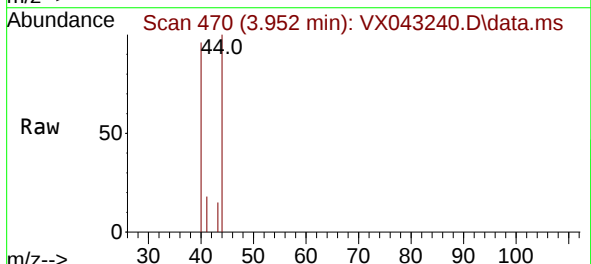
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

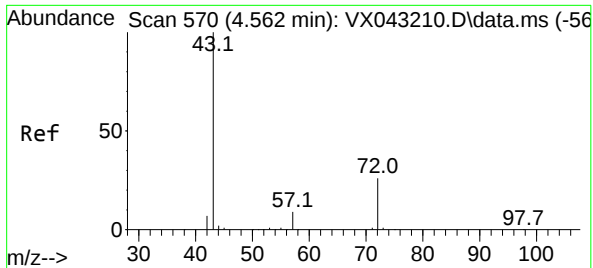
Tgt Ion: 84	Resp:	3120	
Ion	Ratio	Lower	Upper
84	100		
49	113.6	96.7	145.1
51	35.9	30.4	45.6
86	55.7	54.7	82.1



#23
Vinyl Acetate
Concen: 6.351 ug/l
RT: 3.952 min Scan# 470
Delta R.T. 0.231 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 43	Resp:	38	
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

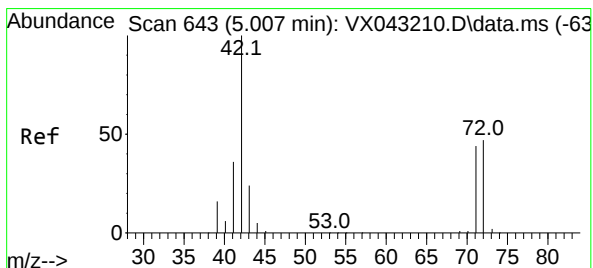
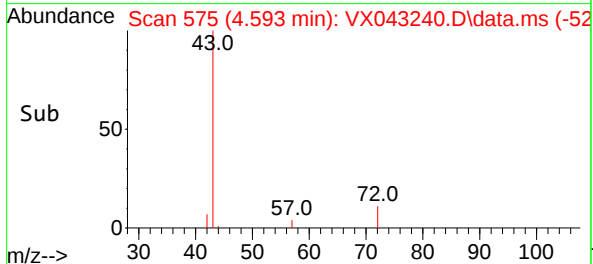
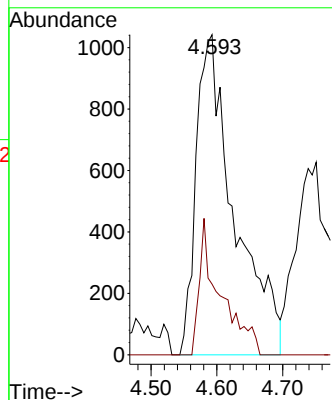
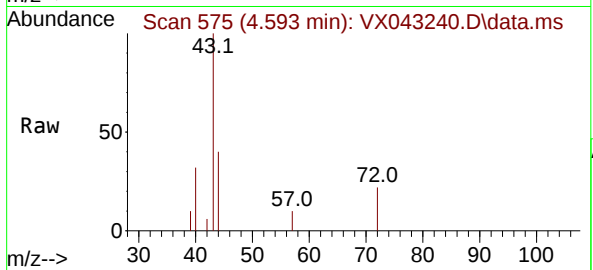




#25
2-Butanone
Concen: 5.906 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

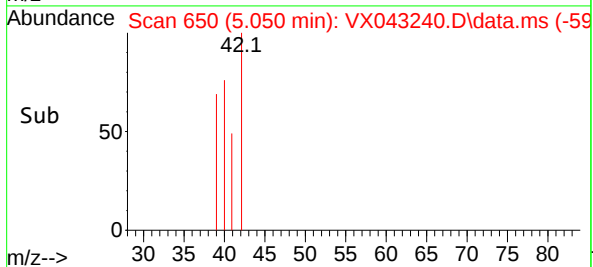
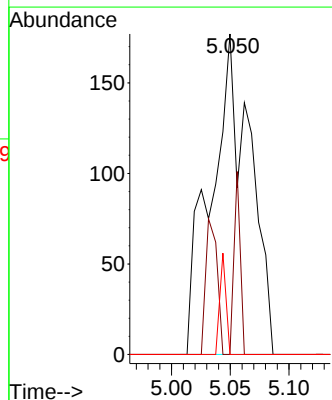
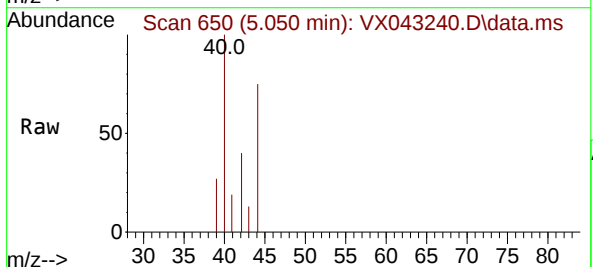
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

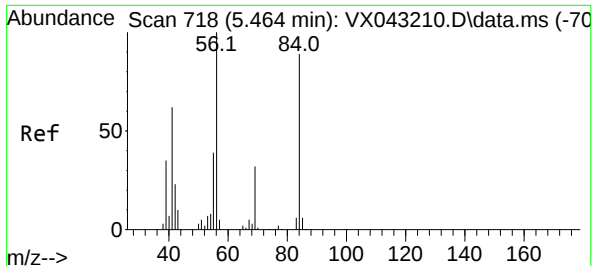
Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
72 22.1 20.6 31.0



#29
Tetrahydrofuran
Concen: 0.902 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 42 Resp: 410
Ion Ratio Lower Upper
42 100
72 9.0 37.7 56.5#
71 4.9 34.6 52.0#

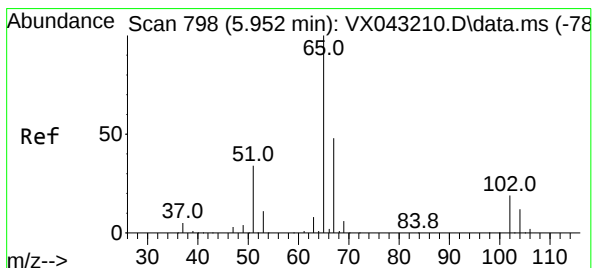
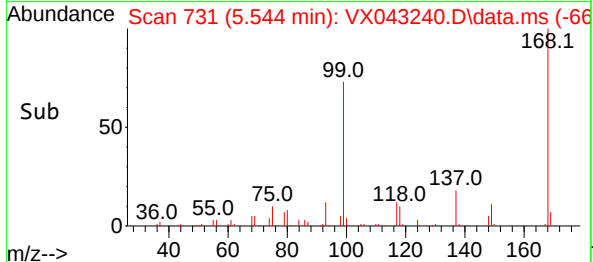
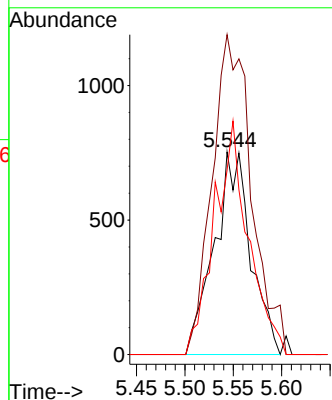
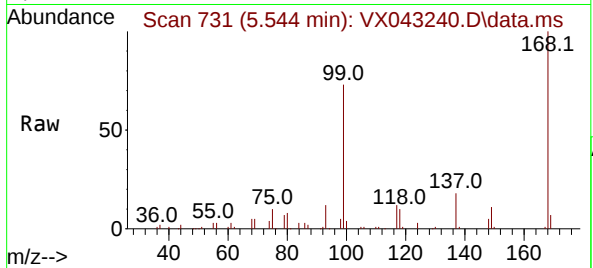




#31
Cyclohexane
Concen: 1.471 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

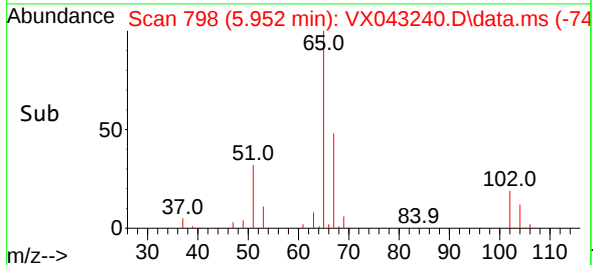
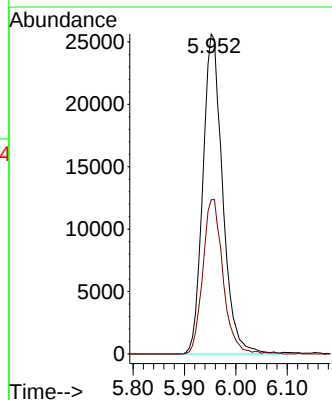
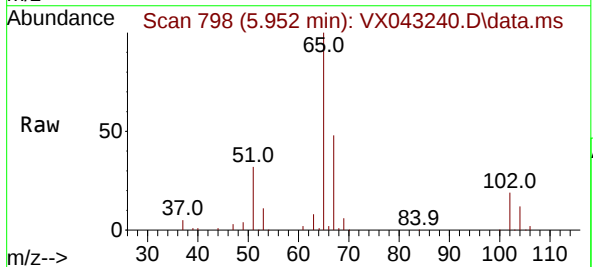
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

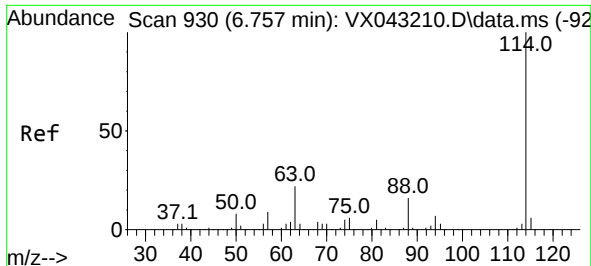
Tgt Ion: 56 Resp: 1978
Ion Ratio Lower Upper
56 100
69 157.9 25.8 38.6#
84 91.1 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 54.970 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 65 Resp: 68487
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0

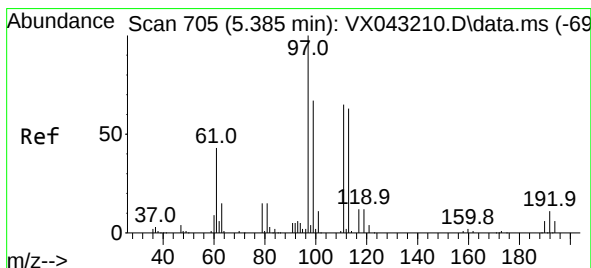
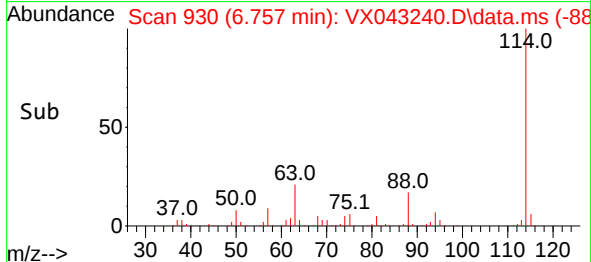
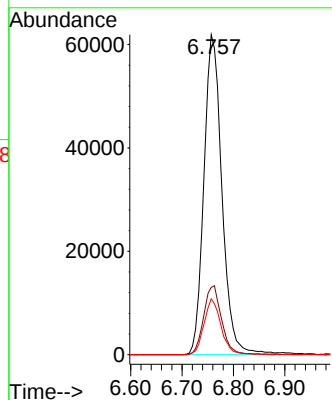
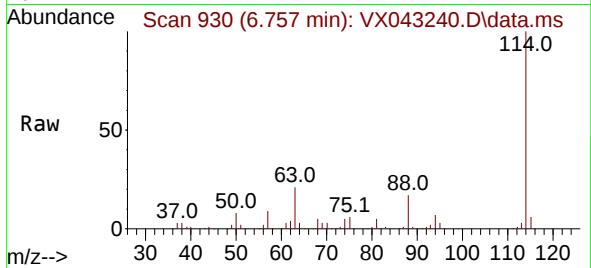




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

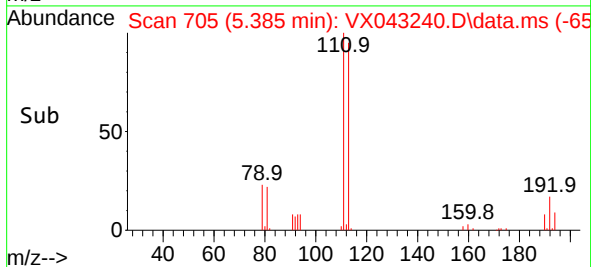
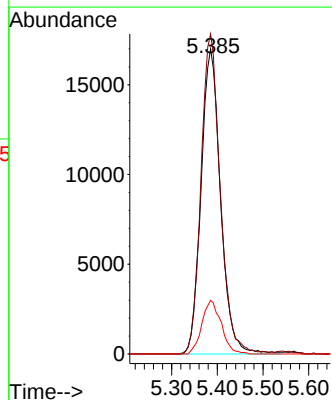
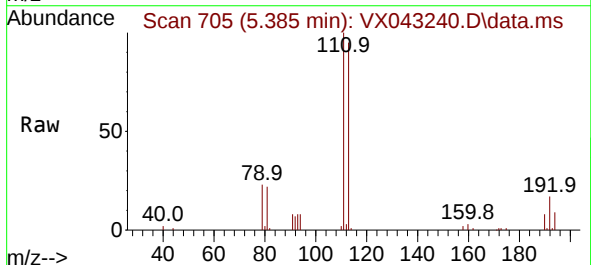
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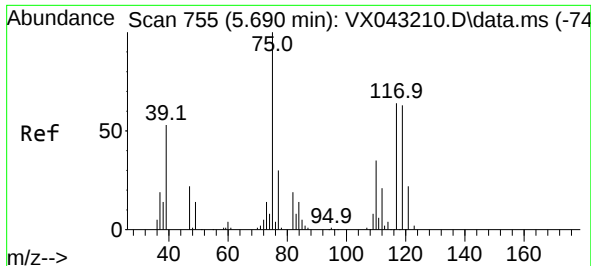
Tgt Ion:114 Resp: 151070
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 17.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.272 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion:113 Resp: 50292
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.0
192 17.4 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.272 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX043240.D

Acq: 02 Oct 2024 18:37

Instrument :

MSVOA_X

ClientSampleId :

TP-Q

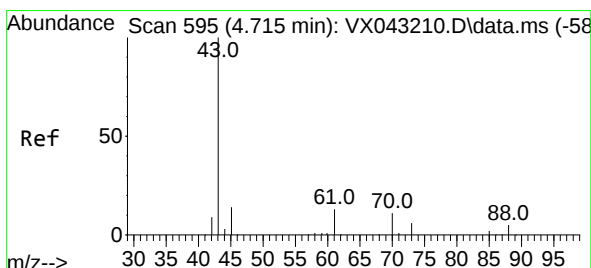
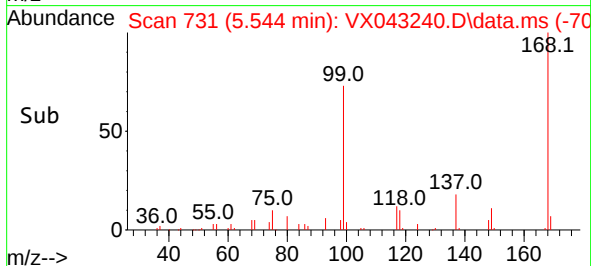
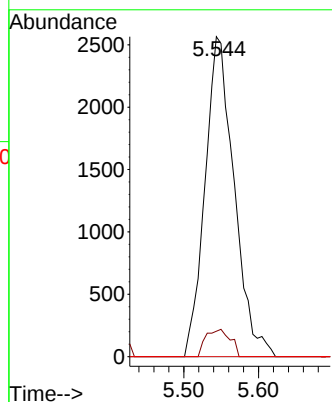
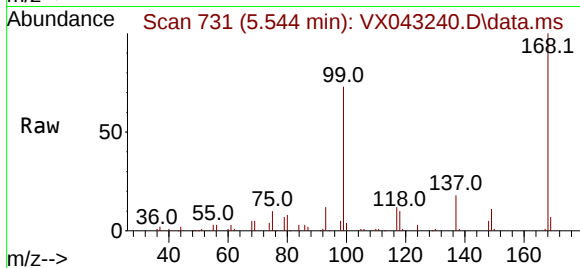
Tgt Ion: 75 Resp: 6939

Ion Ratio Lower Upper

75 100

110 7.2 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.673 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.036 min

Lab File: VX043240.D

Acq: 02 Oct 2024 18:37

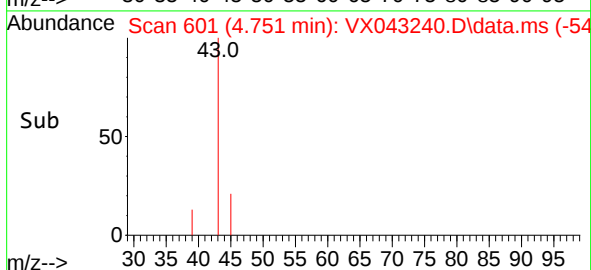
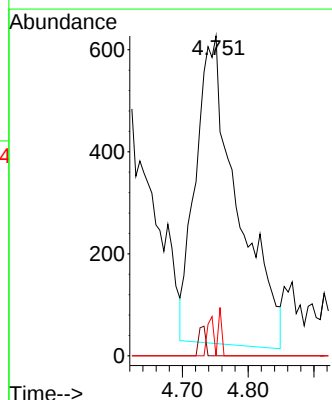
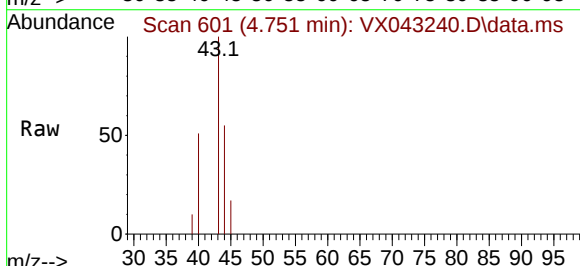
Tgt Ion: 43 Resp: 2644

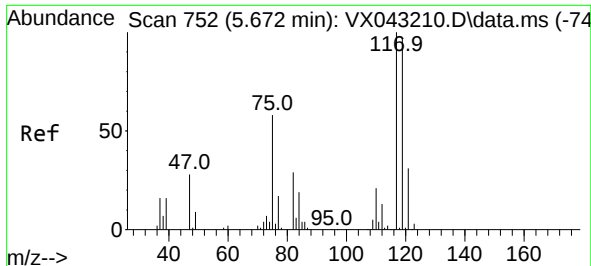
Ion Ratio Lower Upper

43 100

61 1.6 11.0 16.4#

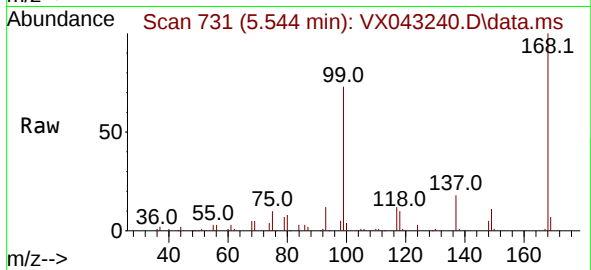
70 1.9 8.9 13.3#



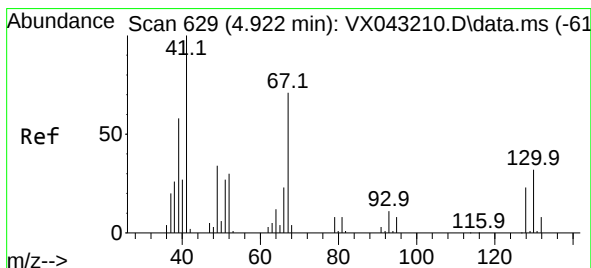
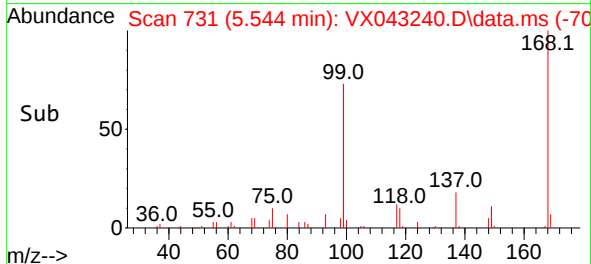
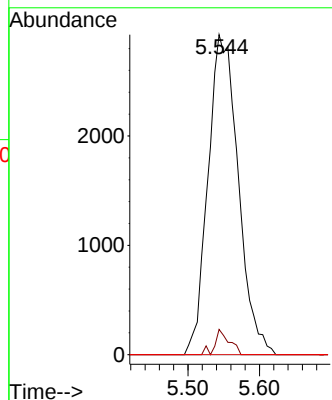


#38
Carbon Tetrachloride
Concen: 5.518 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Instrument :
MSVOA_X
ClientSampleId :
TP-Q

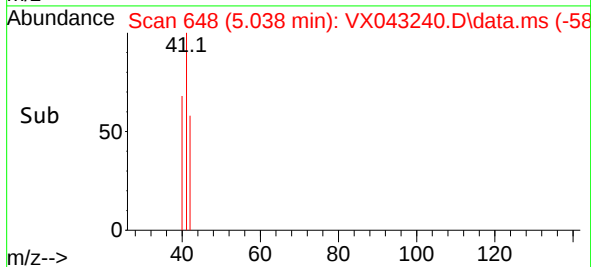
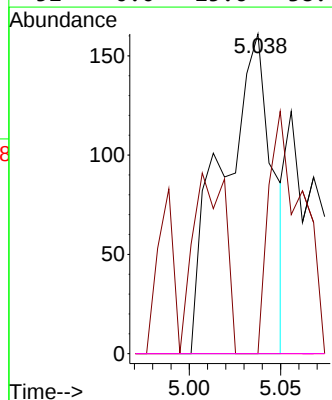
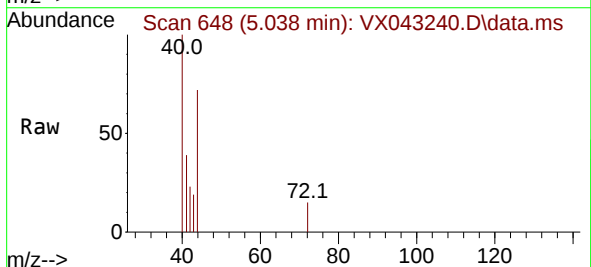


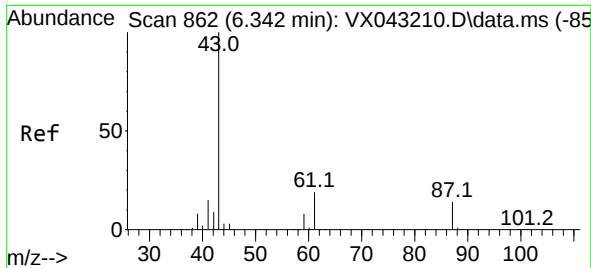
Tgt Ion:117 Resp: 8597
Ion Ratio Lower Upper
117 100
119 7.9 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.377 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 41 Resp: 310
Ion Ratio Lower Upper
41 100
39 50.0 45.0 67.4
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

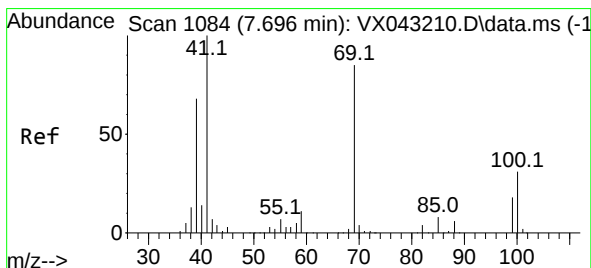
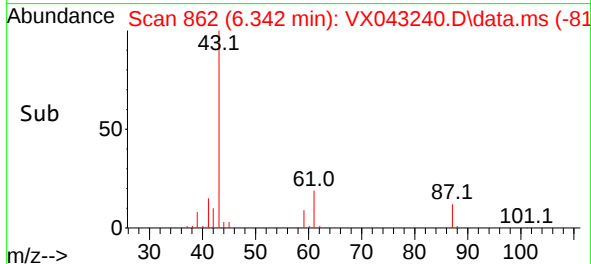
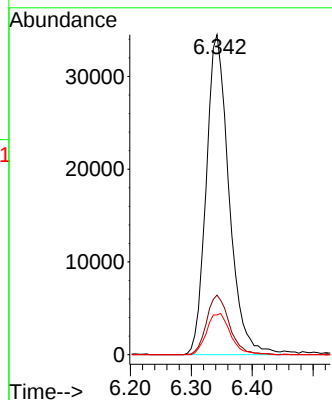
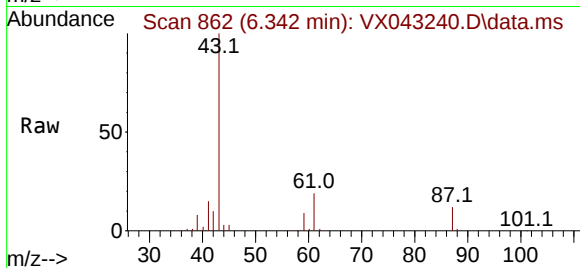




#43
Isopropyl Acetate
Concen: 34.348 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

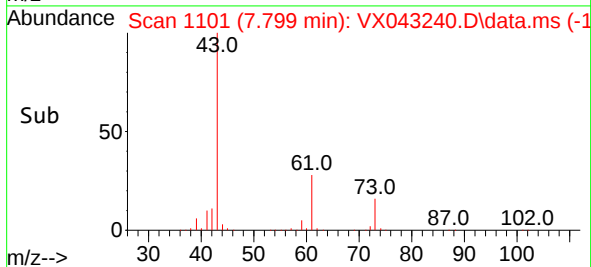
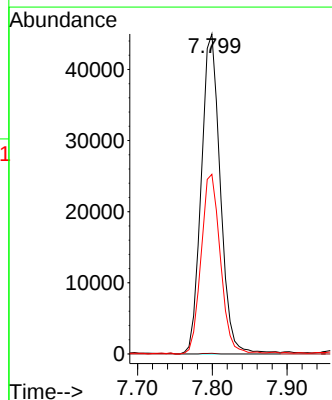
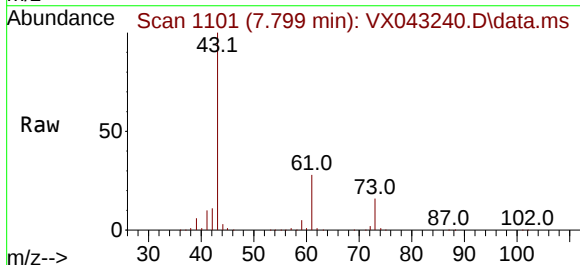
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

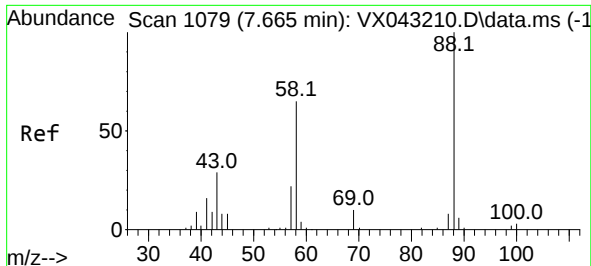
Tgt Ion: 43 Resp: 89670
Ion Ratio Lower Upper
43 100
61 18.7 15.1 22.7
87 13.4 10.8 16.2



#48
Methyl methacrylate
Concen: 62.150 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 41 Resp: 79611
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 56.9 52.8 79.2

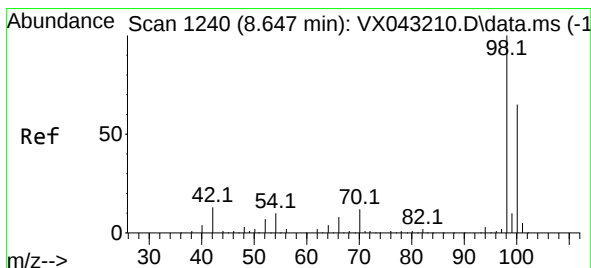
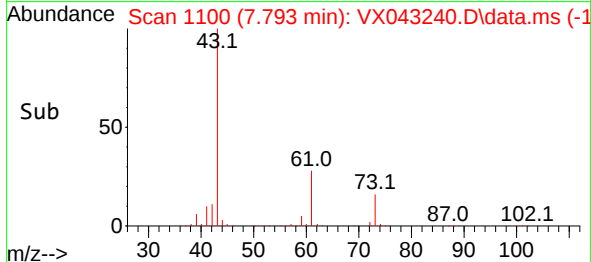
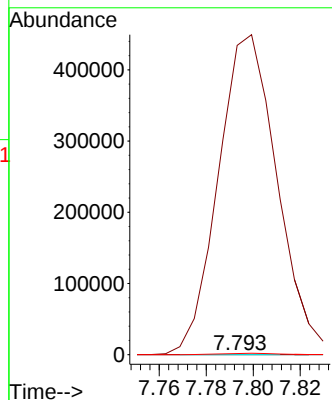
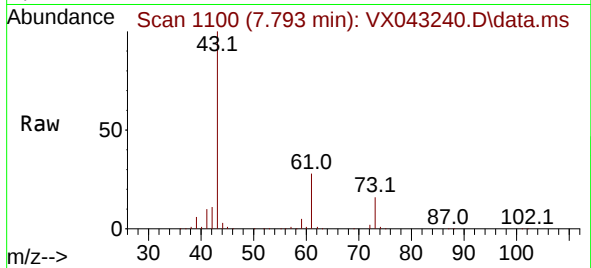




#49
1,4-Dioxane
Concen: 4.859 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

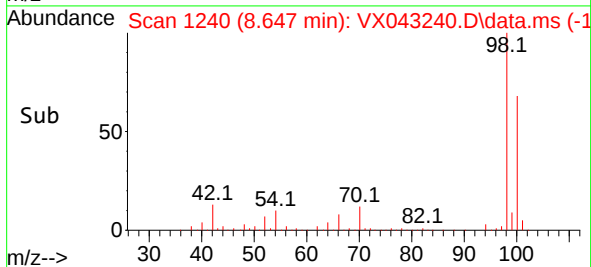
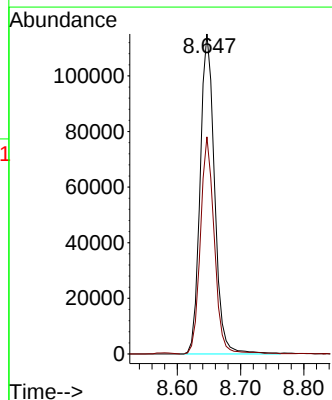
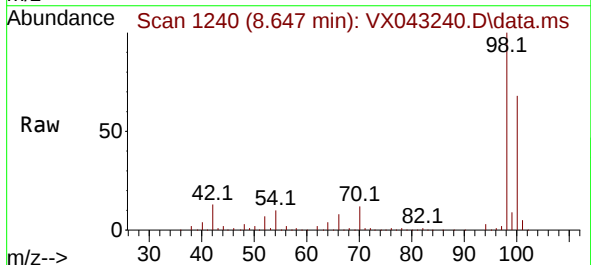
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

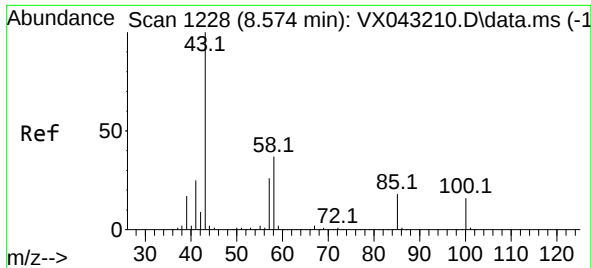
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 660293.4 29.5 44.3#
58 2696.7 55.2 82.8#



#50
Toluene-d8
Concen: 50.625 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 98 Resp: 182780
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

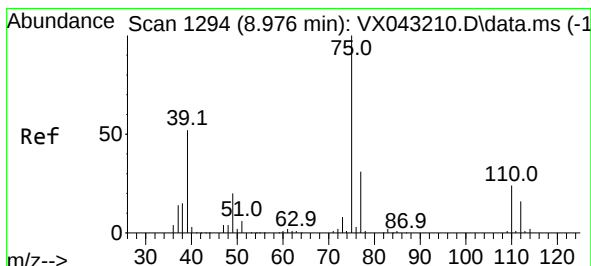
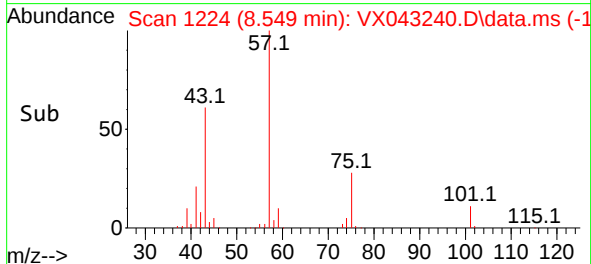
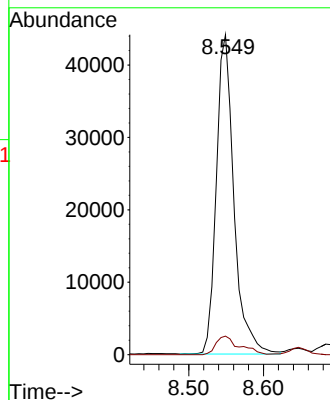
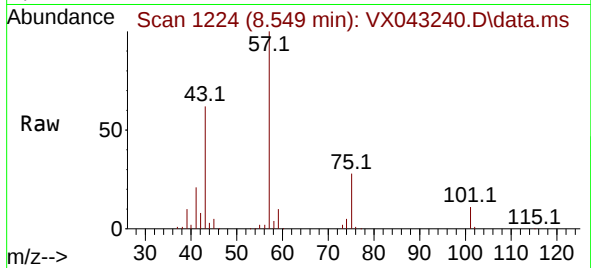




#51
4-Methyl-2-Pentanone
Concen: 45.614 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

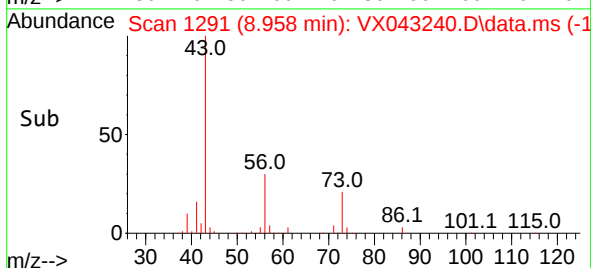
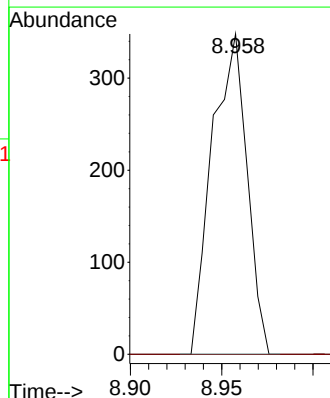
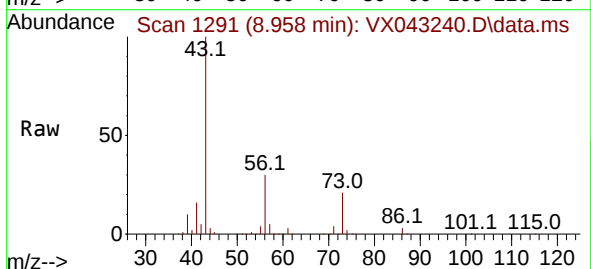
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

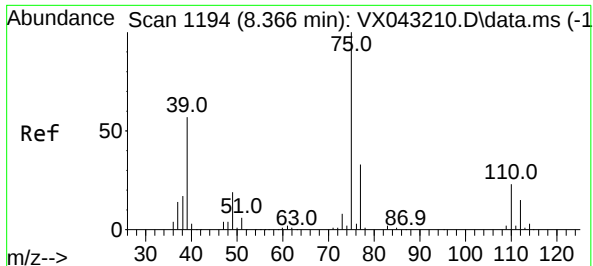
Tgt Ion: 43 Resp: 72324
Ion Ratio Lower Upper
43 100
58 7.8 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.302 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 75 Resp: 463
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

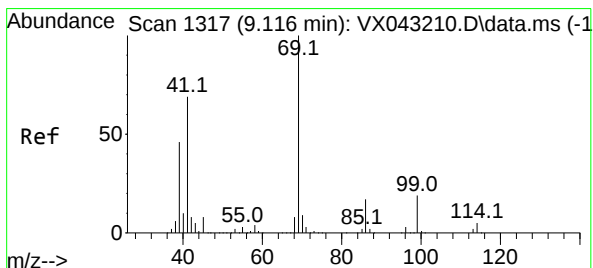
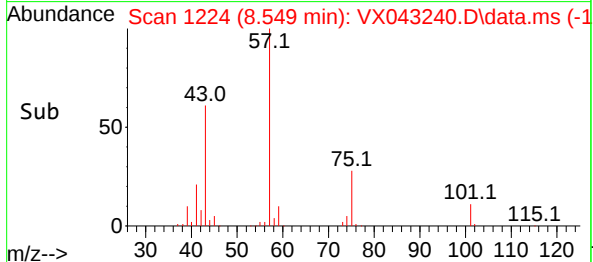
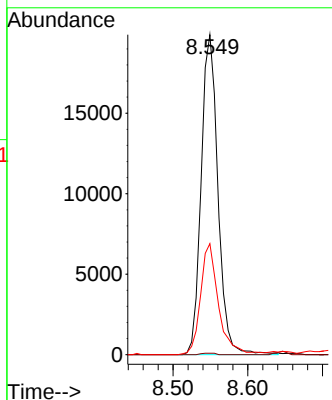
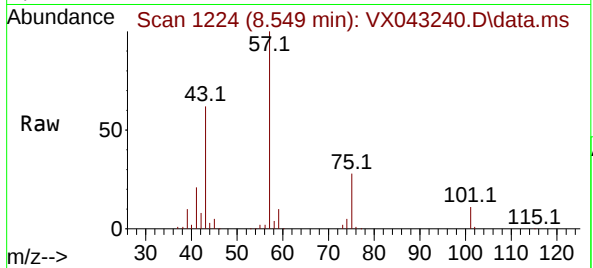




#54
 cis-1,3-Dichloropropene
 Concen: 18.854 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043240.D
 Acq: 02 Oct 2024 18:37

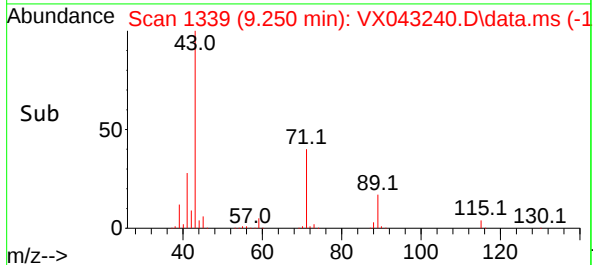
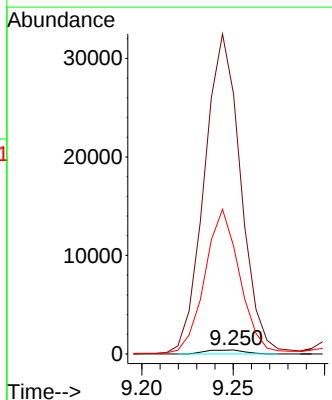
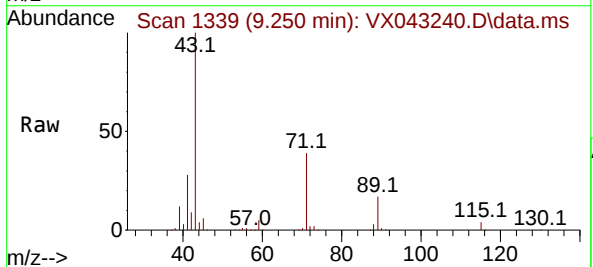
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

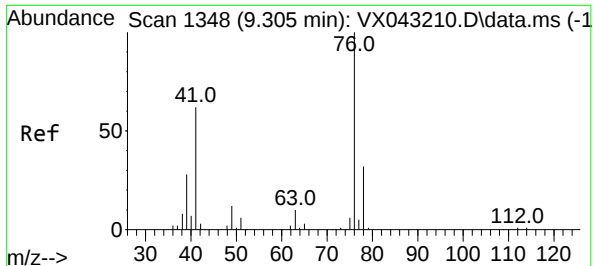
Tgt Ion: 75 Resp: 31002
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.0 39.0#
 39 34.7 45.8 68.8#



#56
 Ethyl methacrylate
 Concen: 0.364 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX043240.D
 Acq: 02 Oct 2024 18:37

Tgt Ion: 69 Resp: 591
 Ion Ratio Lower Upper
 69 100
 41 7658.5 56.1 84.1#
 39 3376.0 36.4 54.6#





#57

1,3-Dichloropropane

Concen: 2.494 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043240.D

Acq: 02 Oct 2024 18:37

Instrument :

MSVOA_X

ClientSampleId :

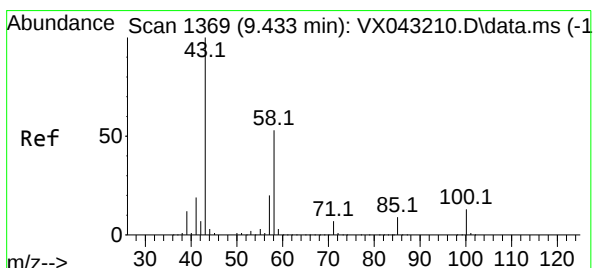
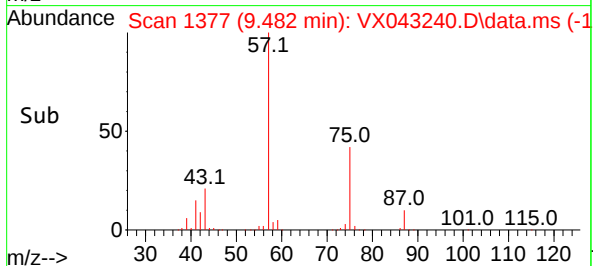
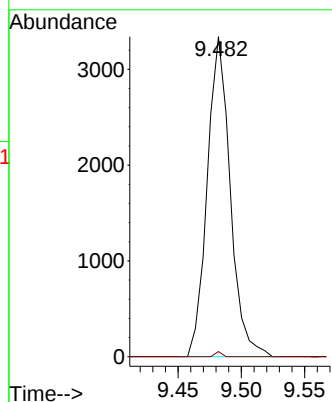
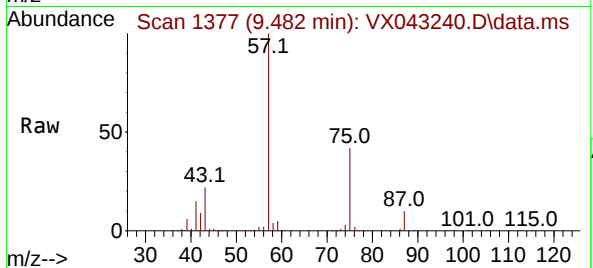
TP-Q

Tgt Ion: 76 Resp: 4222

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 46.837 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043240.D

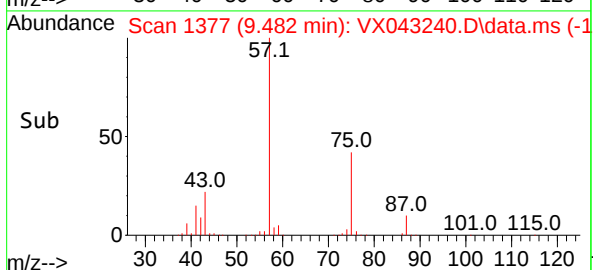
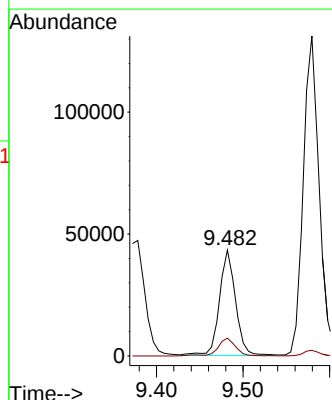
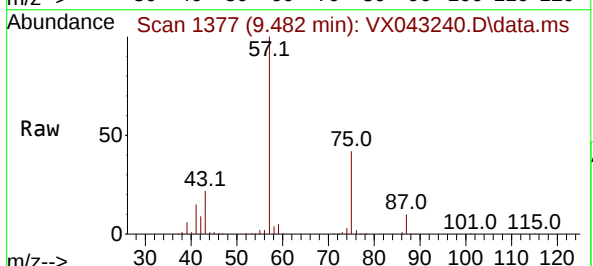
Acq: 02 Oct 2024 18:37

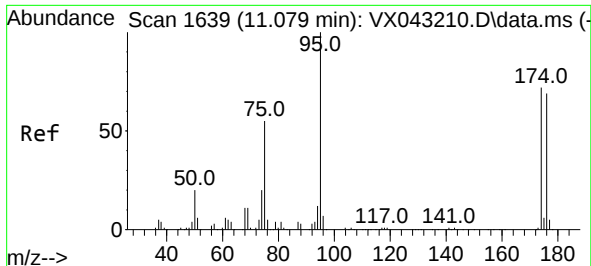
Tgt Ion: 43 Resp: 56159

Ion Ratio Lower Upper

43 100

58 18.8 26.1 78.3#

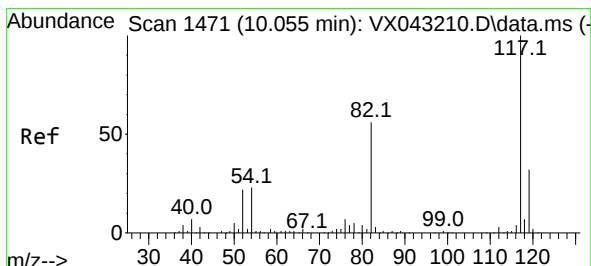
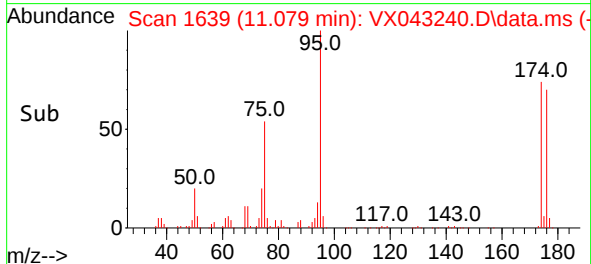
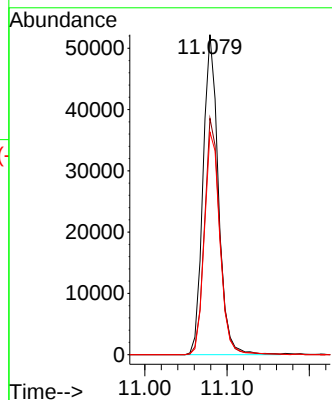
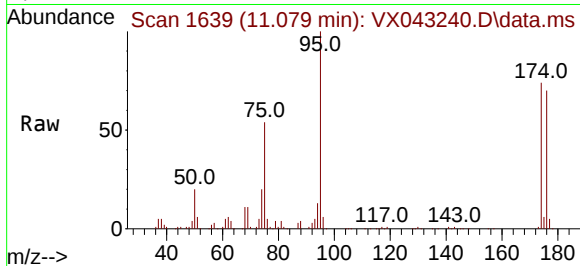




#62
4-Bromofluorobenzene
Concen: 51.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

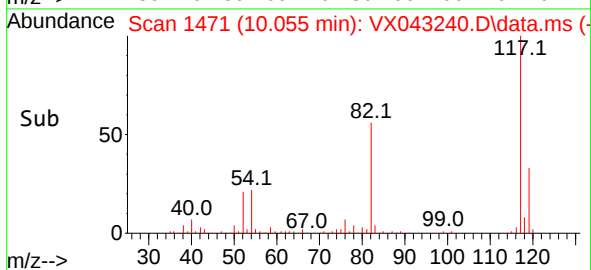
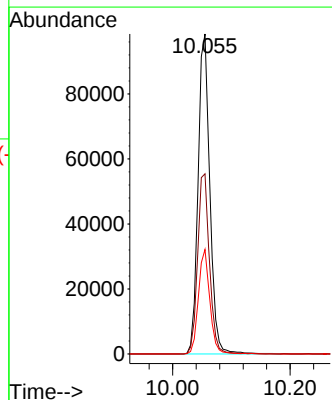
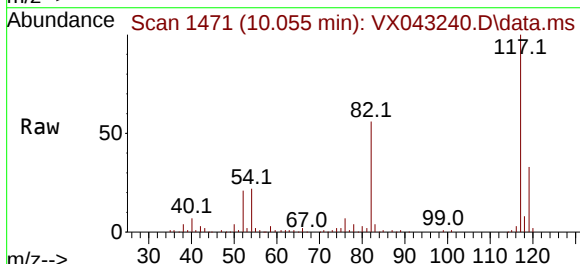
Instrument :
MSVOA_X
ClientSampleId :
TP-Q

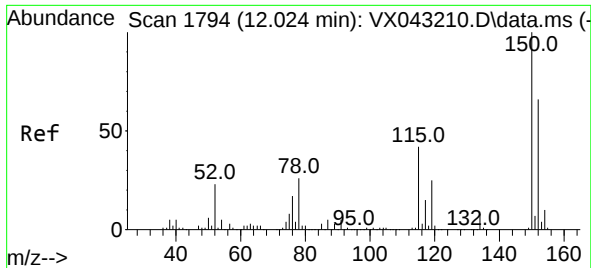
Tgt Ion: 95 Resp: 67581
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.0
176 70.8 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043240.D
Acq: 02 Oct 2024 18:37

Tgt Ion: 117 Resp: 136426
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 32.7 25.3 37.9

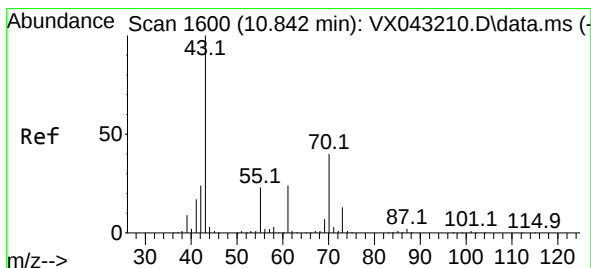
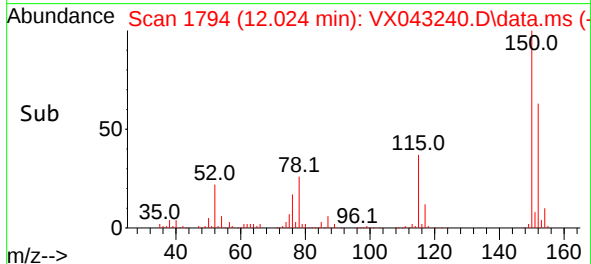
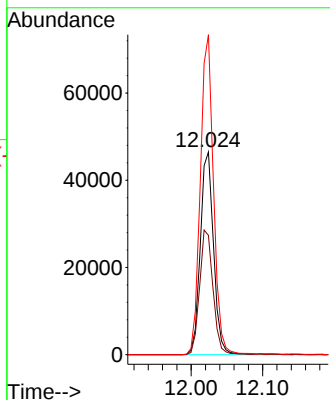
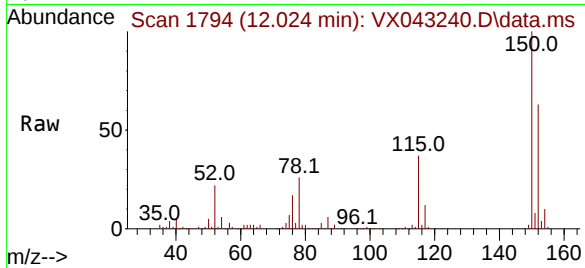




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043240.D
 Acq: 02 Oct 2024 18:37

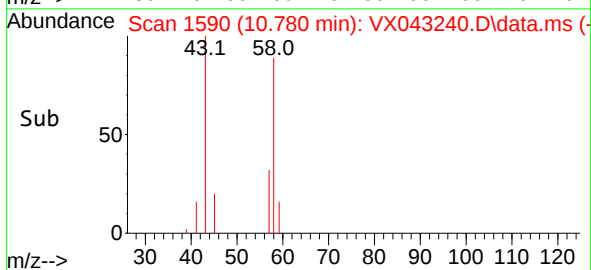
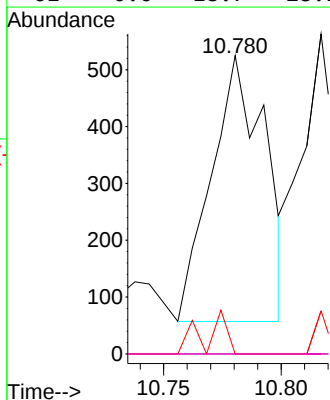
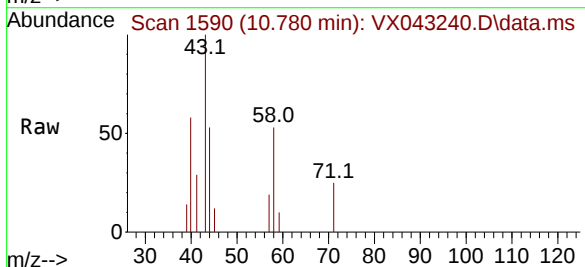
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-Q

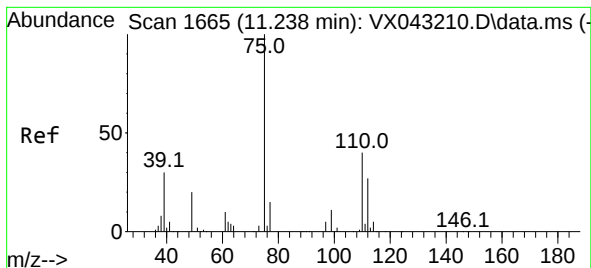
Tgt Ion:152 Resp: 59897
 Ion Ratio Lower Upper
 152 100
 115 62.1 44.1 132.3
 150 156.5 0.0 347.4



#74
 N-ethyl acetate
 Concen: 0.337 ug/l
 RT: 10.780 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX043240.D
 Acq: 02 Oct 2024 18:37

Tgt Ion: 43 Resp: 744
 Ion Ratio Lower Upper
 43 100
 70 0.0 33.1 49.7#
 55 0.0 18.6 27.8#
 61 0.0 18.7 28.1#





#76

1,2,3-Trichloropropane

Concen: 27.935 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043240.D

Acq: 02 Oct 2024 18:37

Instrument :

MSVOA_X

ClientSampleId :

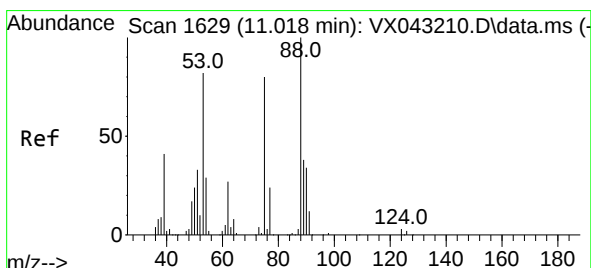
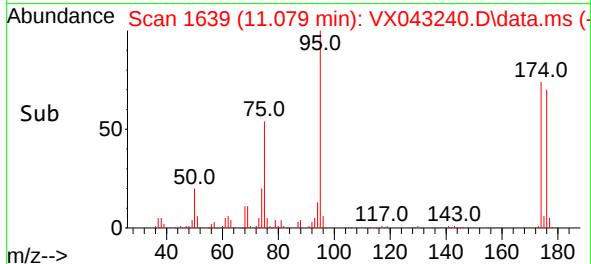
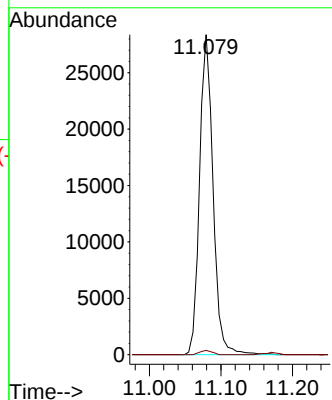
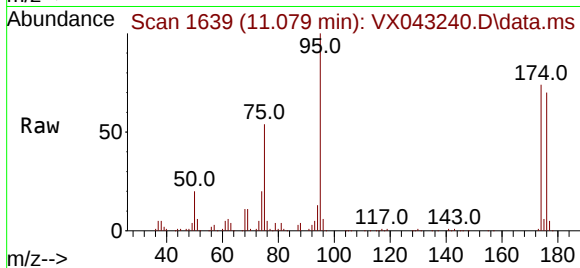
TP-Q

Tgt Ion: 75 Resp: 37114

Ion Ratio Lower Upper

75 100

77 1.2 22.0 66.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.398 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043240.D

Acq: 02 Oct 2024 18:37

Tgt Ion: 75 Resp: 37114

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

89 0.0 38.6 58.0#

