

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043237.D
 Acq On : 02 Oct 2024 17:27
 Operator : JC/MD
 Sample : P4236-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP3

Quant Time: Oct 03 02:36:27 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	85853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164952	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64669	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74890	53.412	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.820%	
35) Dibromofluoromethane	5.385	113	54951	48.305	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.620%	
50) Toluene-d8	8.647	98	200574	50.878	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	11.079	95	73084	51.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.060%	

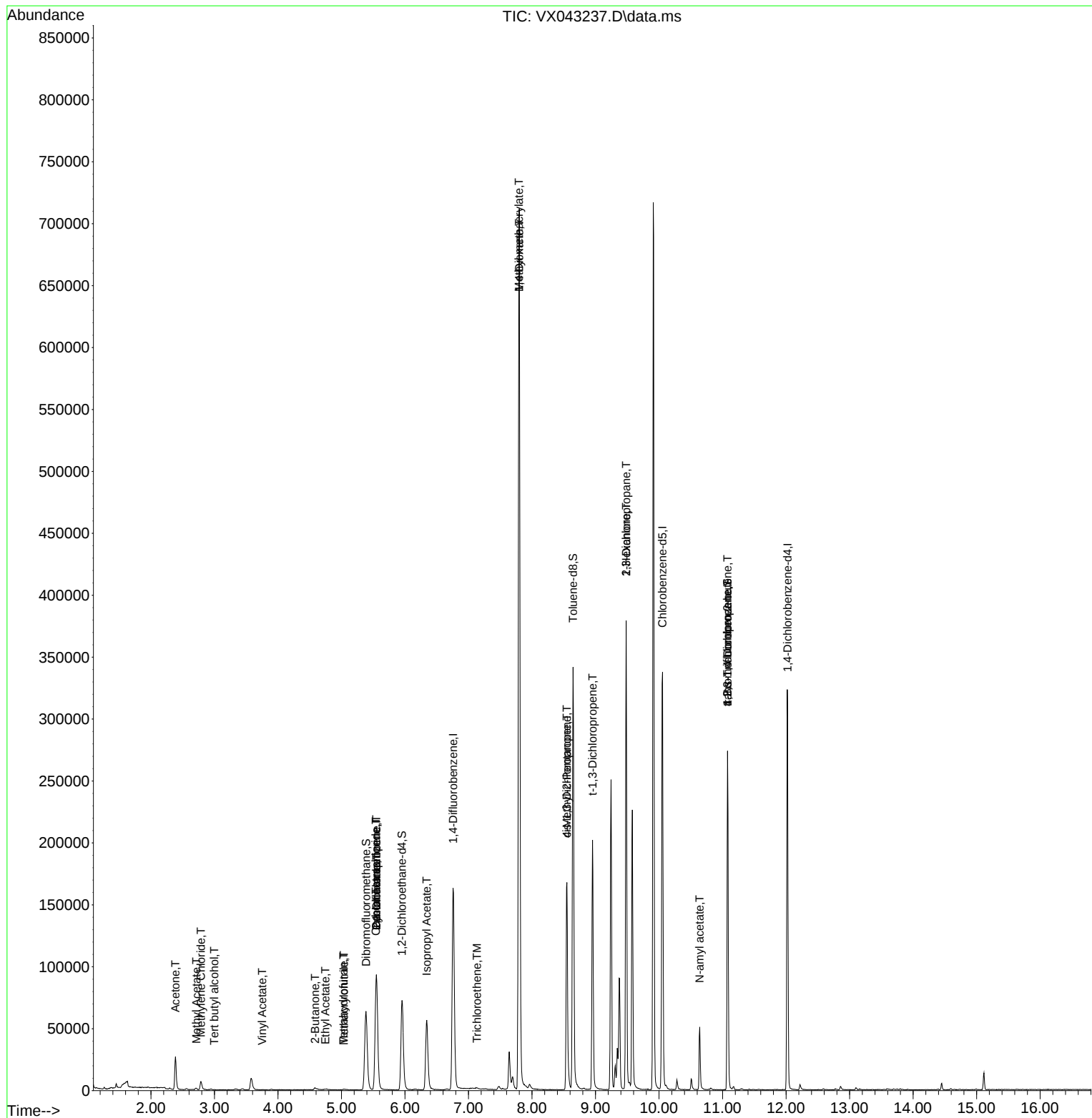
Target Compounds				Qvalue		
11) Tert butyl alcohol	2.995	59	325	1.218	ug/l #	71
16) Acetone	2.386	43	29353	50.130	ug/l	99
18) Methyl Acetate	2.715	43	2034	1.385	ug/l #	69
20) Methylene Chloride	2.788	84	3439	3.185	ug/l	93
23) Vinyl Acetate	3.751	43	123	6.374	ug/l #	71
25) 2-Butanone	4.587	43	4224	5.261	ug/l #	90
29) Tetrahydrofuran	5.032	42	263	0.514	ug/l #	37
31) Cyclohexane	5.550	56	2090	1.381	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	7501	5.219	ug/l #	49
37) Ethyl Acetate	4.745	43	2353	1.363	ug/l #	78
38) Carbon Tetrachloride	5.544	117	9637	5.665	ug/l #	15
41) Methacrylonitrile	5.038	41	234	0.260	ug/l #	47
43) Isopropyl Acetate	6.342	43	80283	28.164	ug/l	99
44) Trichloroethene	7.135	130	260	0.225	ug/l	81
48) Methyl methacrylate	7.793	41	67327	48.137	ug/l #	45
49) 1,4-Dioxane	7.799	88	59	2.170	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64914	37.495	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	425	0.254	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27225	15.164	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3100	1.677	ug/l #	43
59) 2-Hexanone	9.482	43	45864	35.031	ug/l #	52
74) N-amyl acetate	10.640	43	12894	5.402	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	40186	28.015	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	40186	72.606	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
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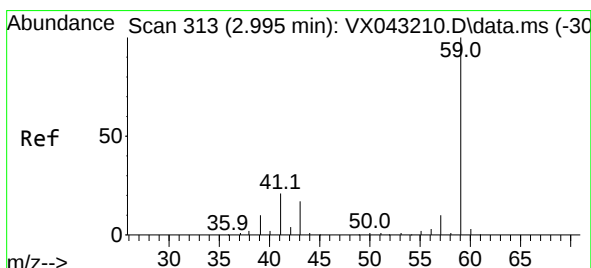
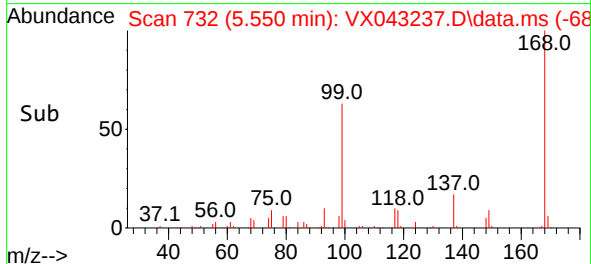
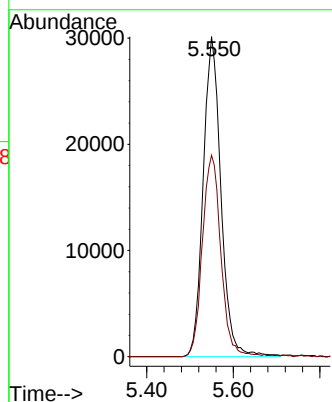
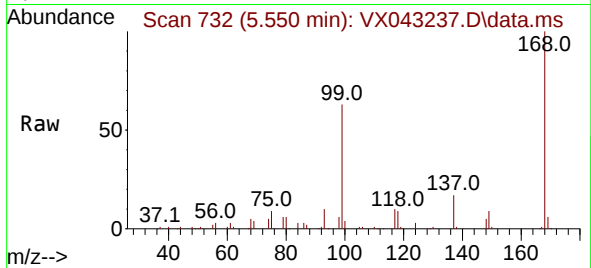




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

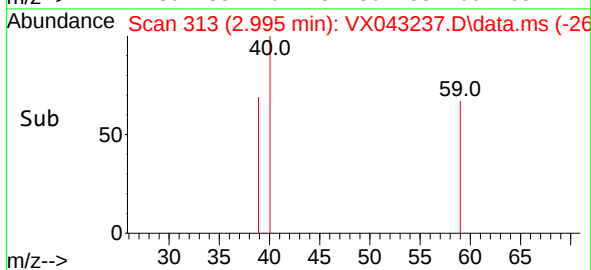
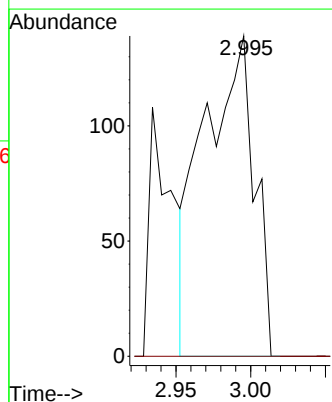
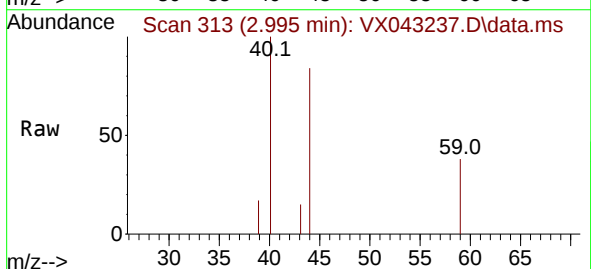
Instrument :
MSVOA_X
ClientSampleId :
TP3

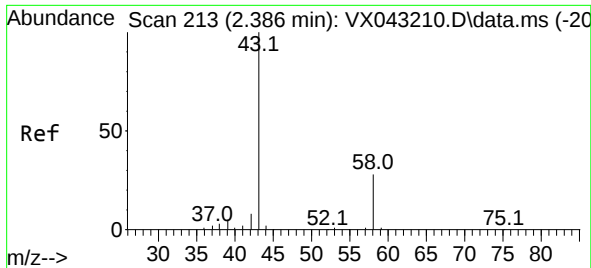
Tgt Ion:168 Resp: 85853
Ion Ratio Lower Upper
168 100
99 63.0 49.7 74.5



#11
Tert butyl alcohol
Concen: 1.218 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

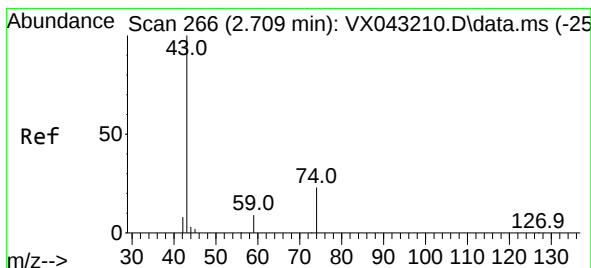
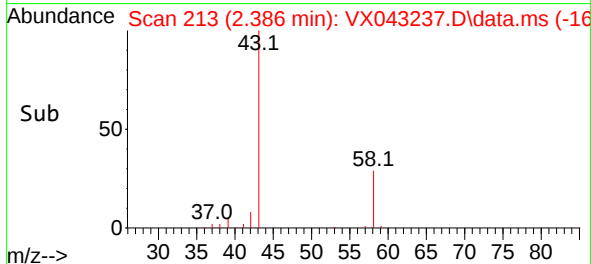
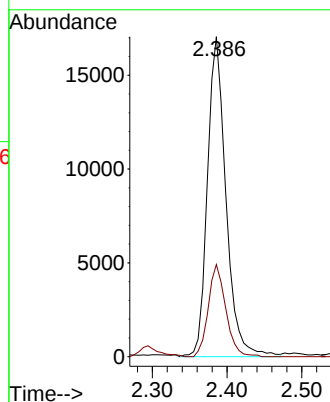
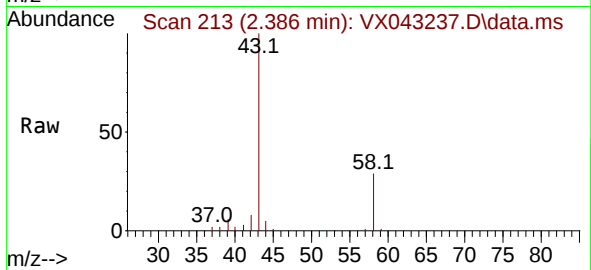




#16
Acetone
Concen: 50.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

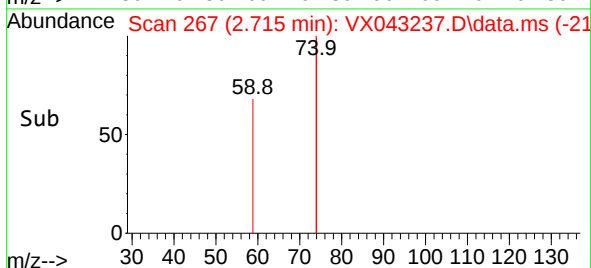
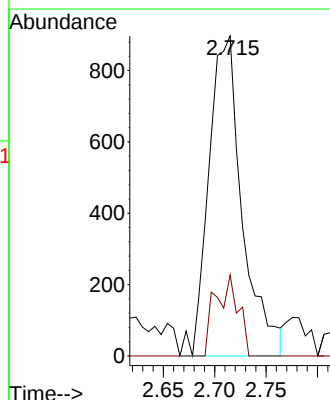
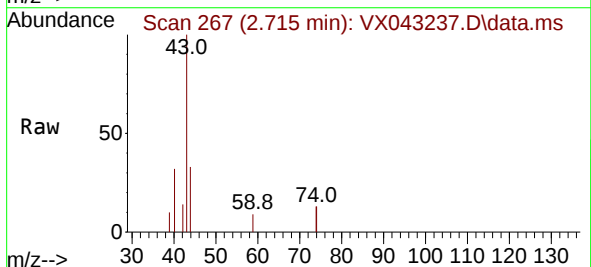
Instrument :
MSVOA_X
ClientSampleId :
TP3

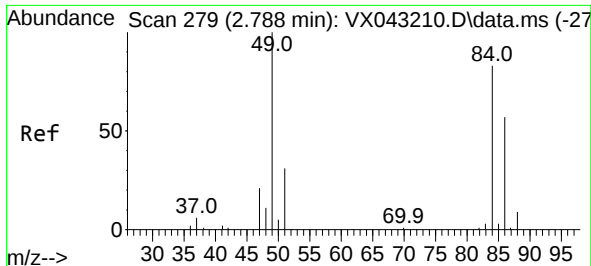
Tgt Ion: 43 Resp: 29353
Ion Ratio Lower Upper
43 100
58 28.8 22.6 33.8



#18
Methyl Acetate
Concen: 1.385 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
74 8.6 19.1 28.7#

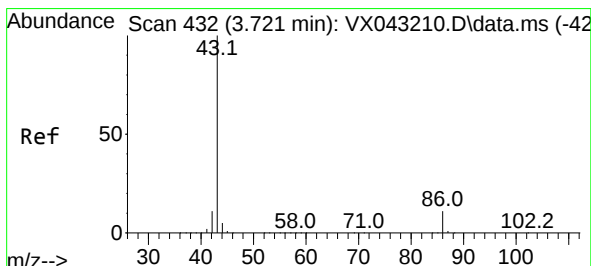
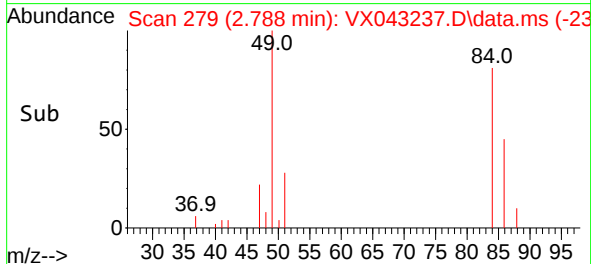
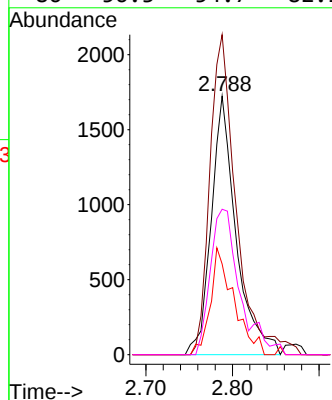
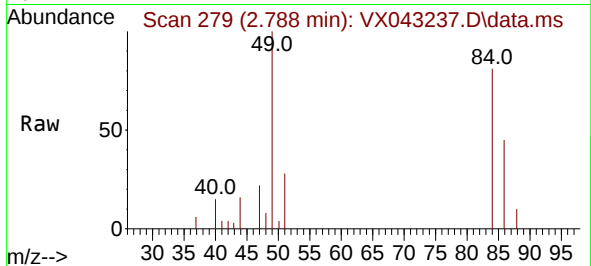




#20
Methylene Chloride
Concen: 3.185 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

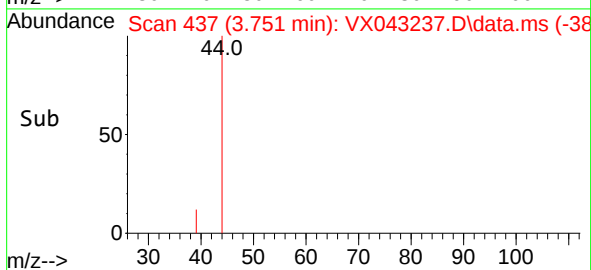
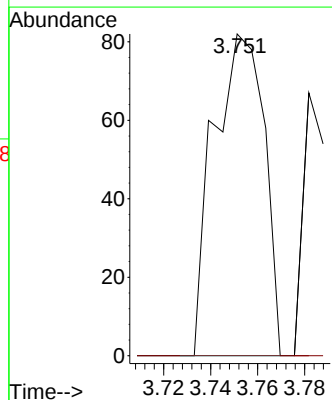
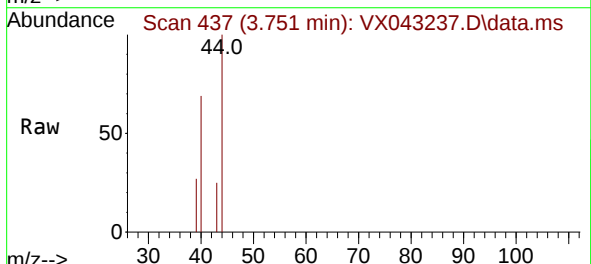
Instrument :
MSVOA_X
ClientSampleId :
TP3

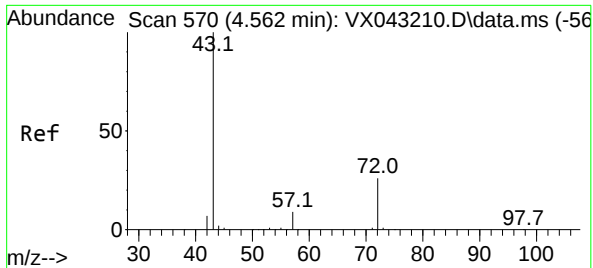
Tgt Ion:	84	Resp:	3439
Ion	Ratio	Lower	Upper
84	100		
49	123.8	96.7	145.1
51	35.1	30.4	45.6
86	56.3	54.7	82.1



#23
Vinyl Acetate
Concen: 6.374 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.030 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion:	43	Resp:	123
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

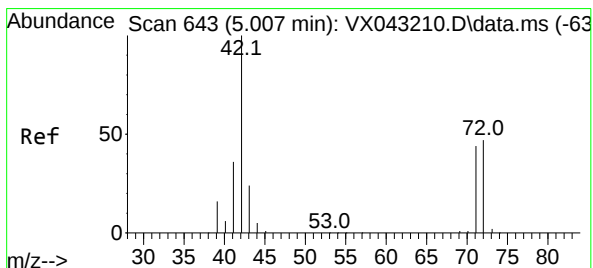
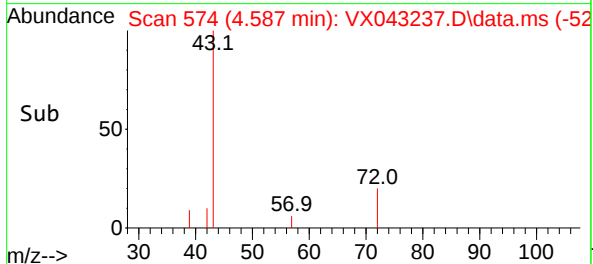
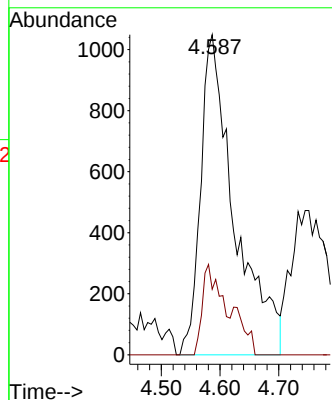
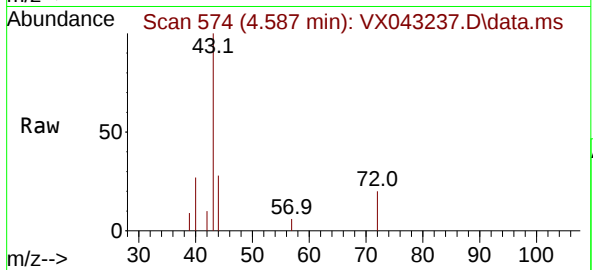




#25
2-Butanone
Concen: 5.261 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

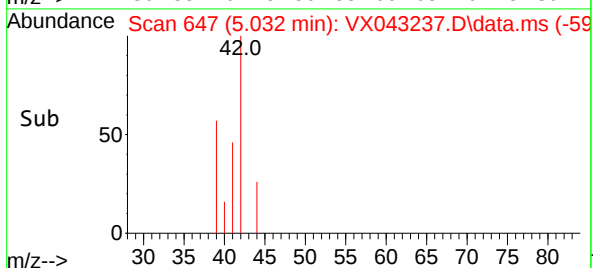
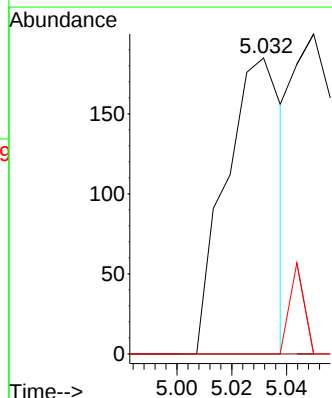
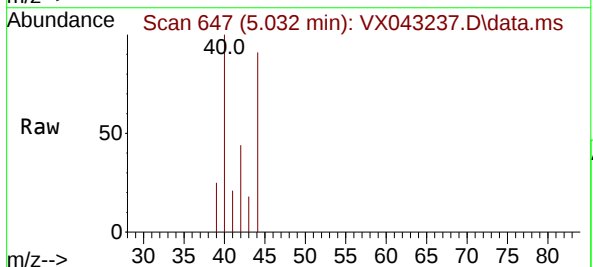
Instrument :
MSVOA_X
ClientSampleId :
TP3

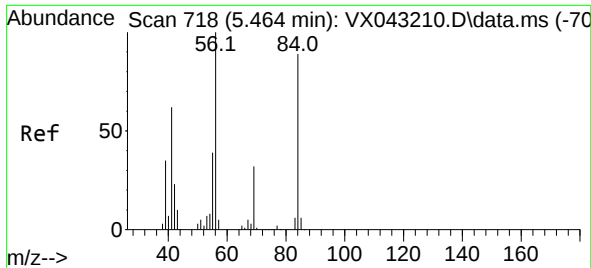
Tgt Ion: 43 Resp: 4224
Ion Ratio Lower Upper
43 100
72 20.5 20.6 31.0#



#29
Tetrahydrofuran
Concen: 0.514 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 8.0 34.6 52.0#

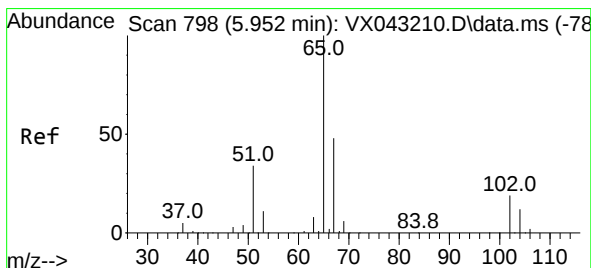
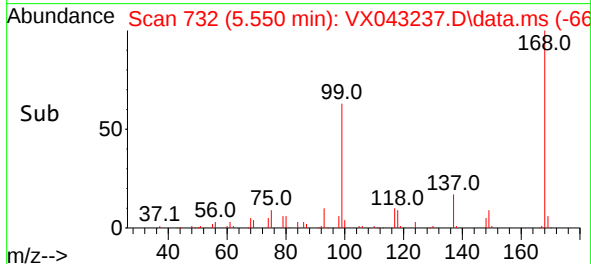
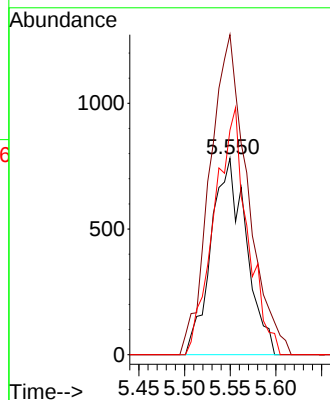
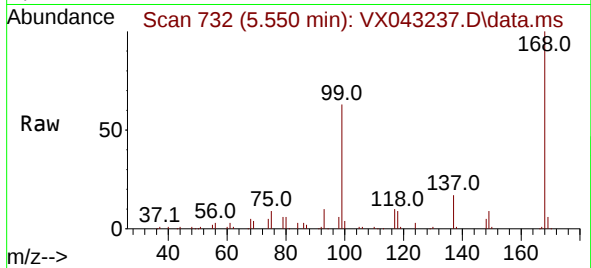




#31
Cyclohexane
Concen: 1.381 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

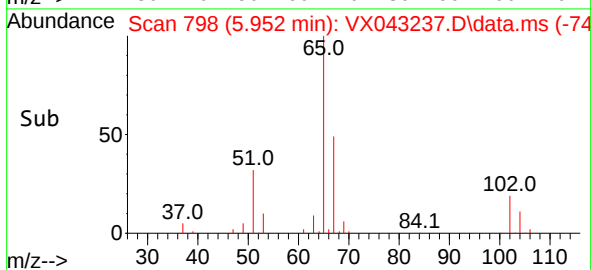
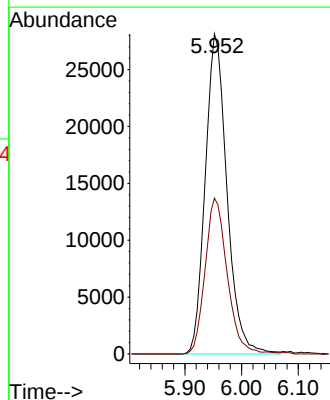
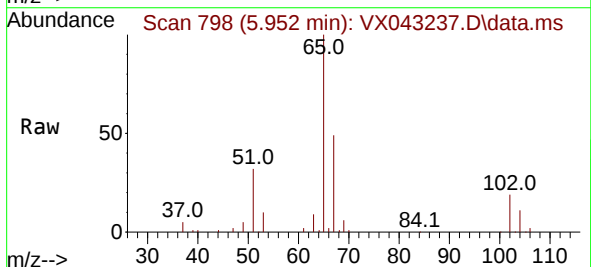
Instrument :
MSVOA_X
ClientSampleId :
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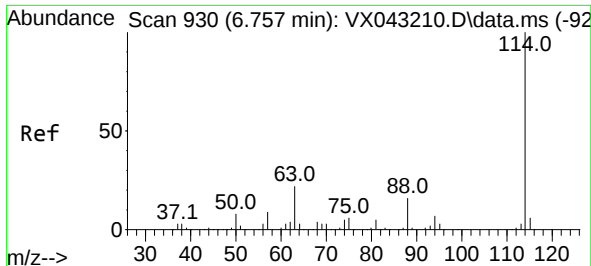
Tgt Ion: 56 Resp: 2090
Ion Ratio Lower Upper
56 100
69 163.0 25.8 38.6#
84 114.3 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 53.412 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 65 Resp: 74890
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

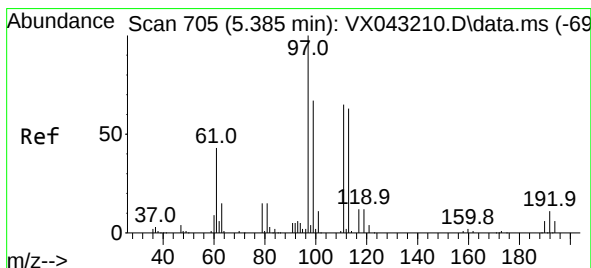
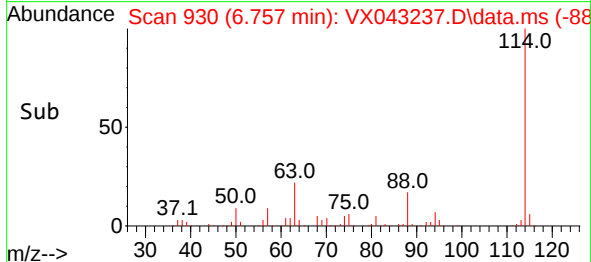
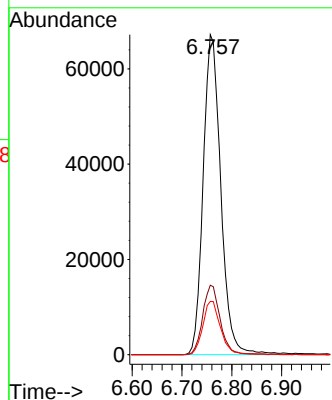
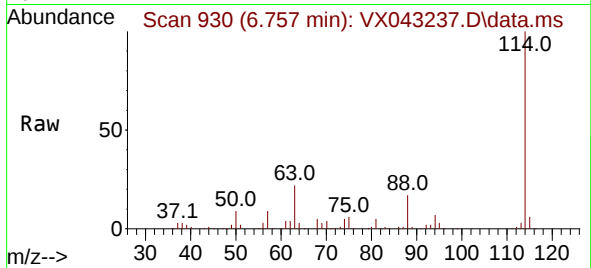




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

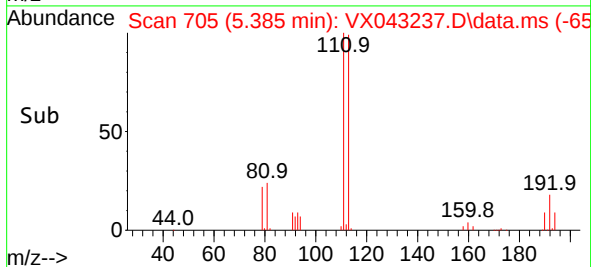
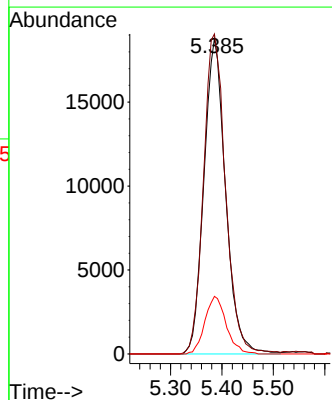
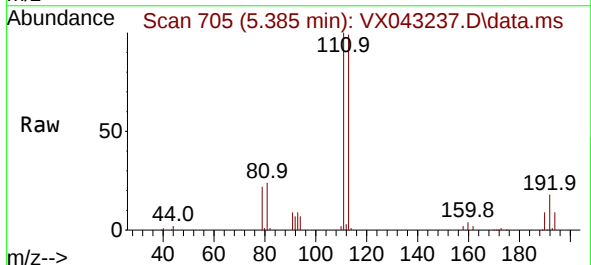
Instrument :
MSVOA_X
ClientSampleId :
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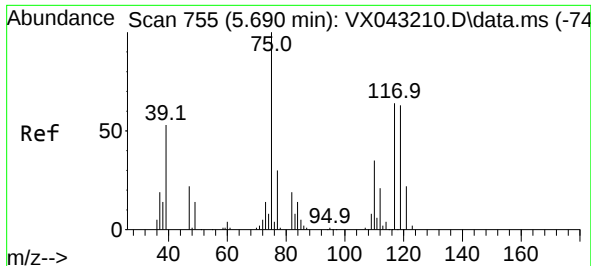
Tgt Ion:114 Resp: 164952
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.0
88 16.7 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.305 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion:113 Resp: 54951
Ion Ratio Lower Upper
113 100
111 103.4 83.4 125.0
192 18.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 5.219 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

TP3

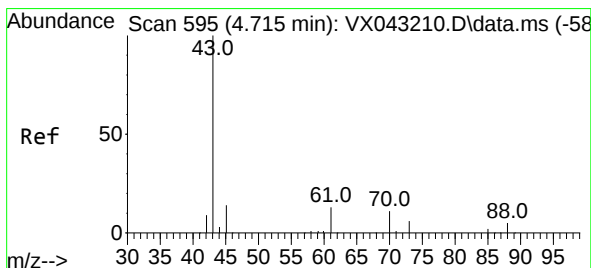
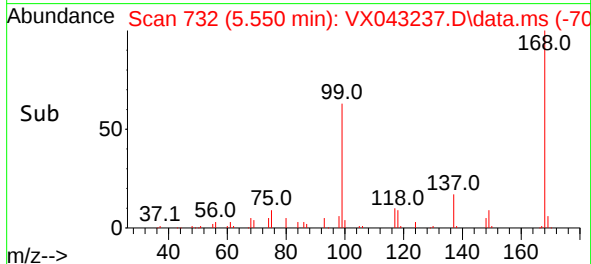
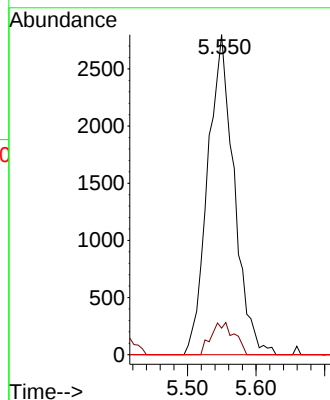
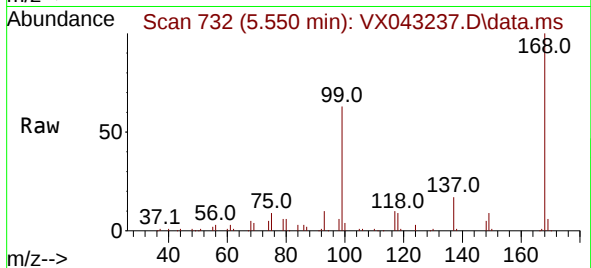
Tgt Ion: 75 Resp: 7501

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.363 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

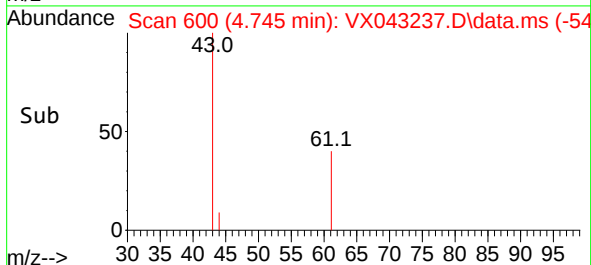
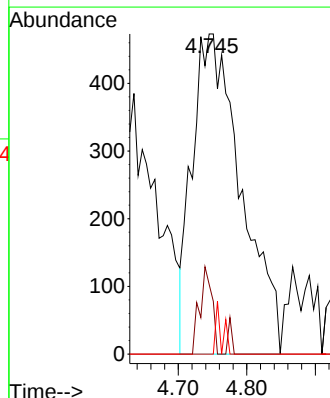
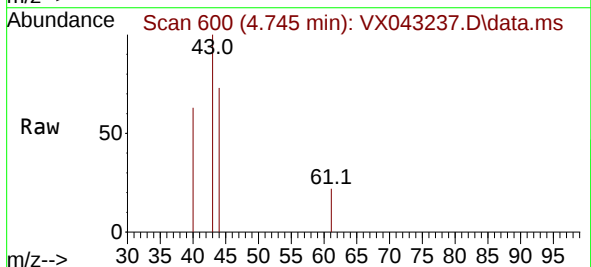
Tgt Ion: 43 Resp: 2353

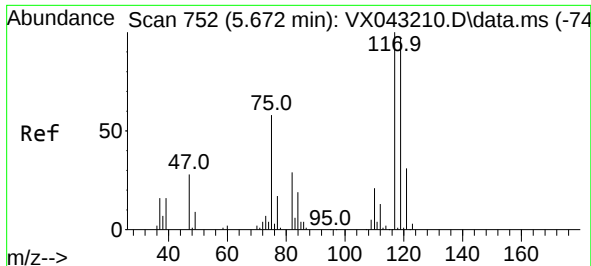
Ion Ratio Lower Upper

43 100

61 6.8 11.0 16.4#

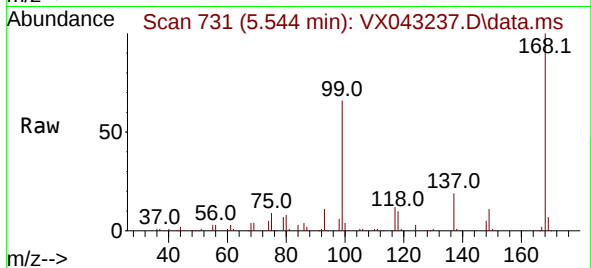
70 0.0 8.9 13.3#



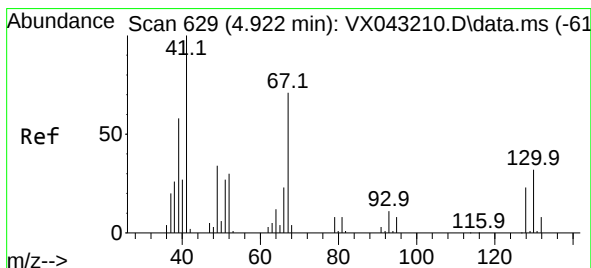
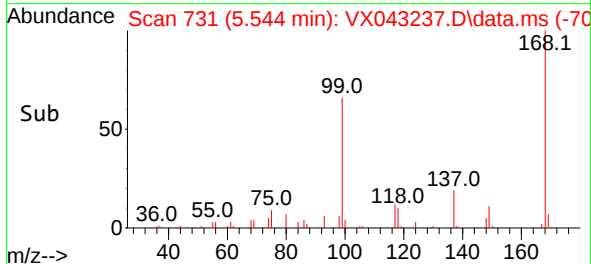
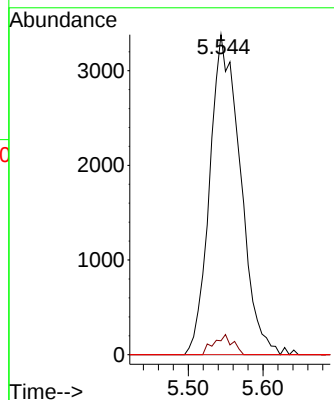


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Instrument :
MSVOA_X
ClientSampleId :
TP3

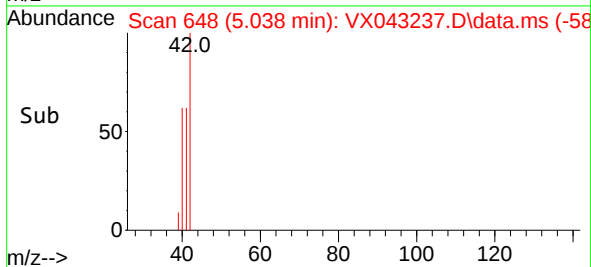
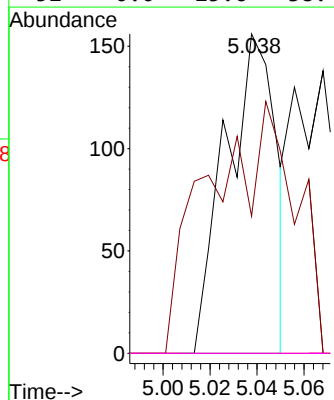
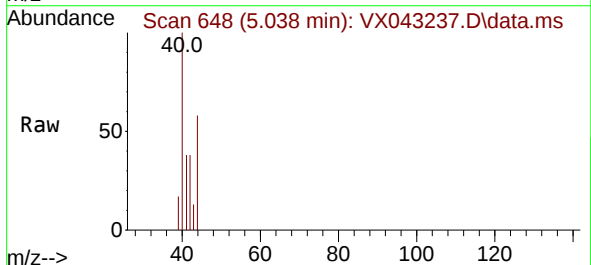


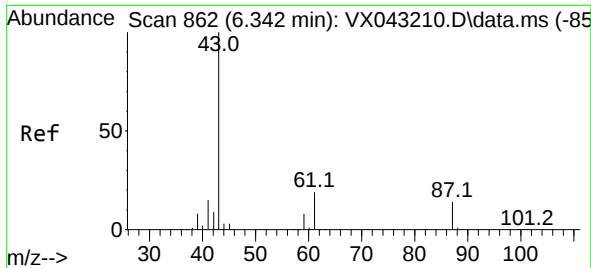
Tgt Ion:117 Resp: 9637
Ion Ratio Lower Upper
117 100
119 4.4 77.7 116.5#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 41 Resp: 234
Ion Ratio Lower Upper
41 100
39 47.9 45.0 67.4
67 0.0 56.0 84.0#
52 0.0 25.6 38.4#

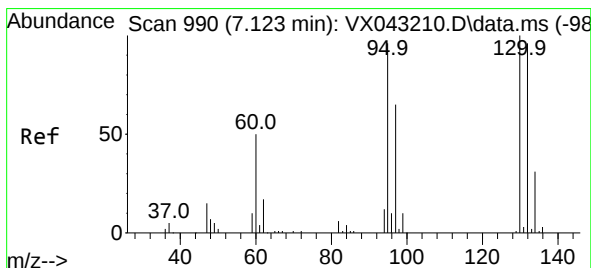
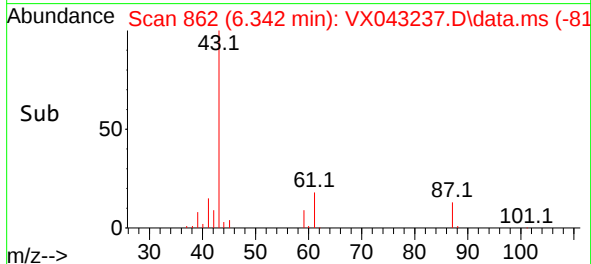
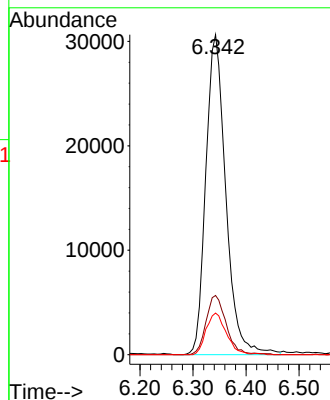
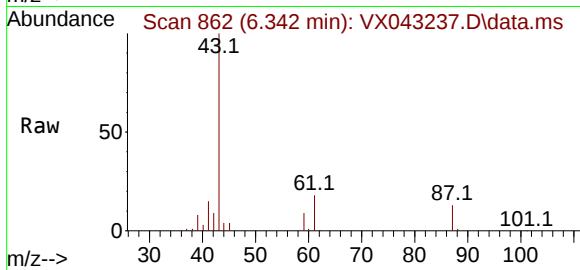




#43
Isopropyl Acetate
Concen: 28.164 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

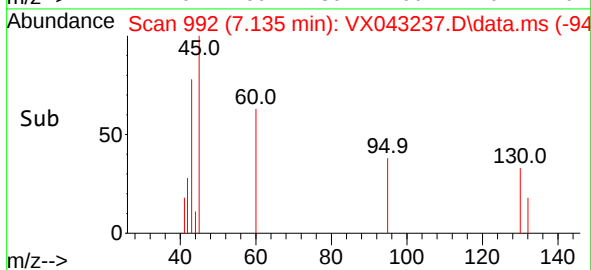
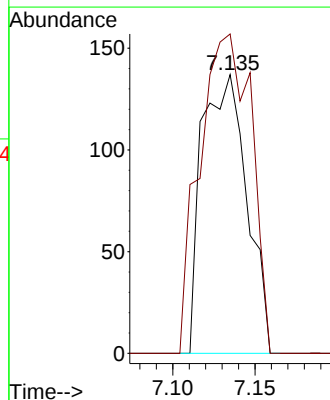
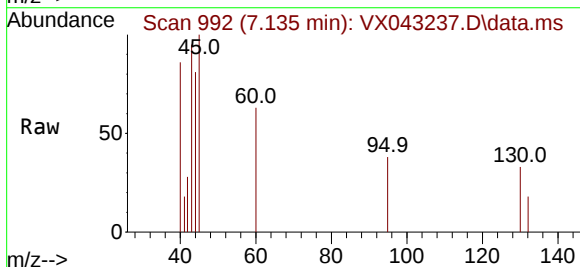
Instrument :
MSVOA_X
ClientSampleId :
TP3

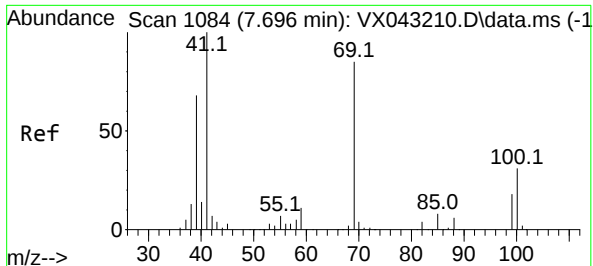
Tgt Ion: 43 Resp: 80283
Ion Ratio Lower Upper
43 100
61 18.7 15.1 22.7
87 13.0 10.8 16.2



#44
Trichloroethene
Concen: 0.225 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion:130 Resp: 260
Ion Ratio Lower Upper
130 100
95 114.6 0.0 192.2





#48

Methyl methacrylate

Concen: 48.137 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.097 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

TP3

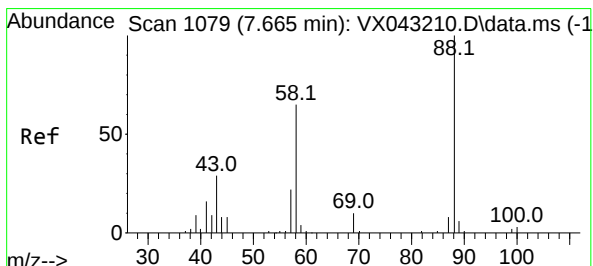
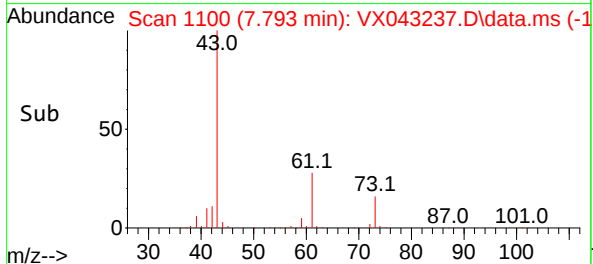
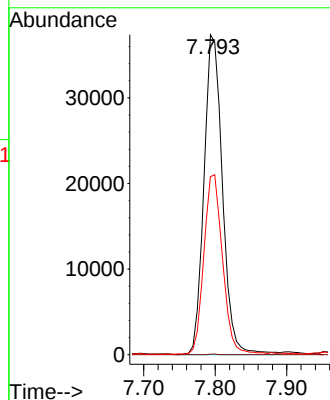
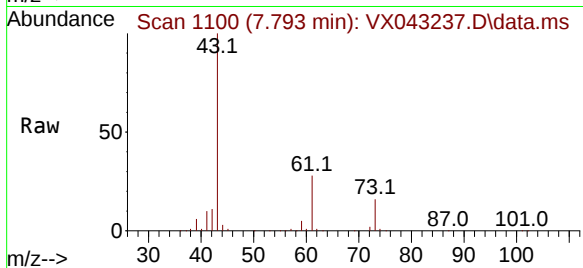
Tgt Ion: 41 Resp: 67327

Ion Ratio Lower Upper

41 100

69 0.1 64.1 96.1#

39 56.0 52.8 79.2



#49

1,4-Dioxane

Concen: 2.170 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

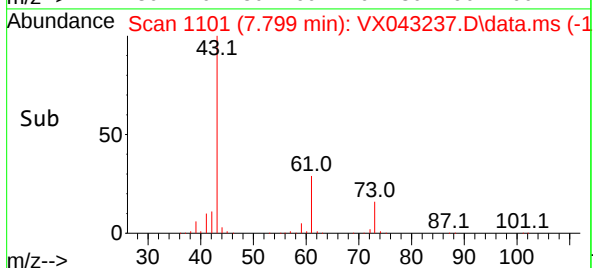
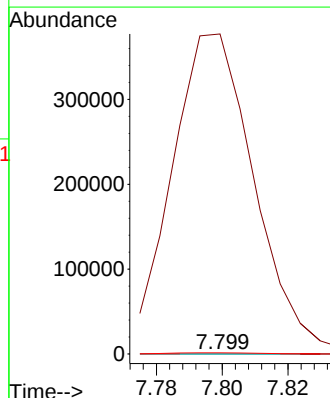
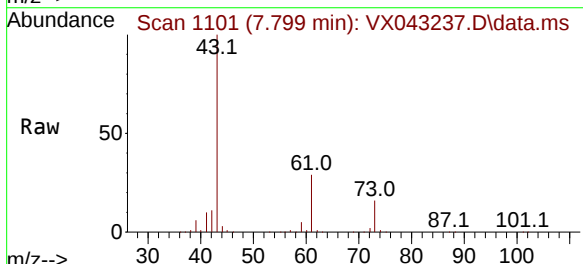
Tgt Ion: 88 Resp: 59

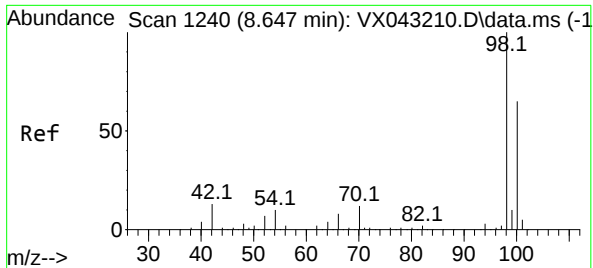
Ion Ratio Lower Upper

88 100

43 1148157.6 29.5 44.3#

58 4613.6 55.2 82.8#

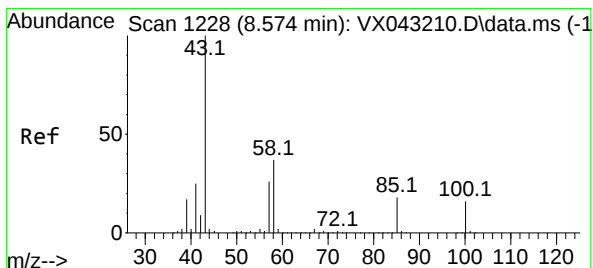
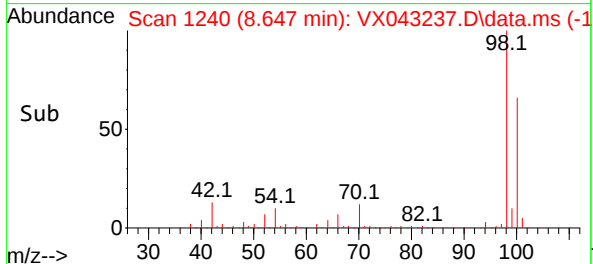
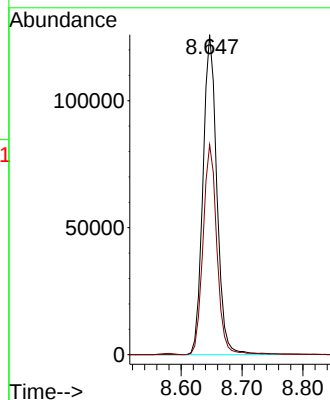
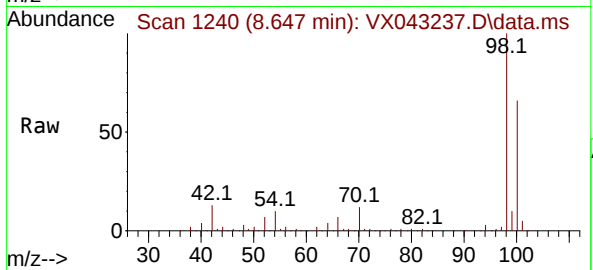




#50
Toluene-d8
Concen: 50.878 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

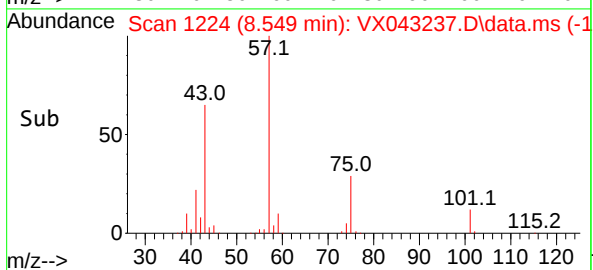
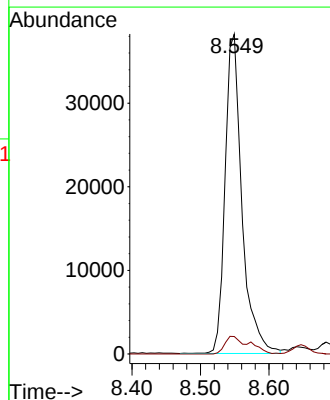
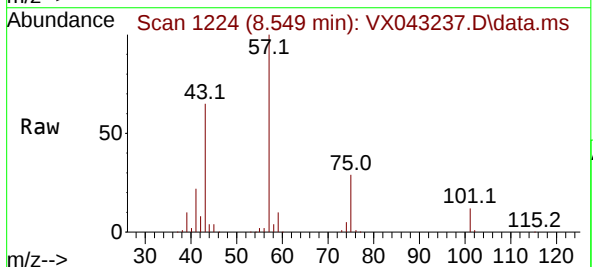
Instrument :
MSVOA_X
ClientSampleId :
TP3

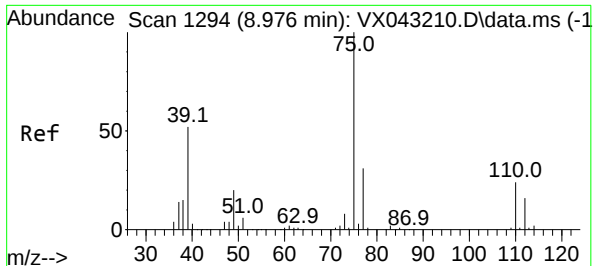
Tgt Ion: 98 Resp: 200574
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 37.495 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 43 Resp: 64914
Ion Ratio Lower Upper
43 100
58 8.1 30.0 45.0#





#53

t-1,3-Dichloropropene

Concen: 0.254 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

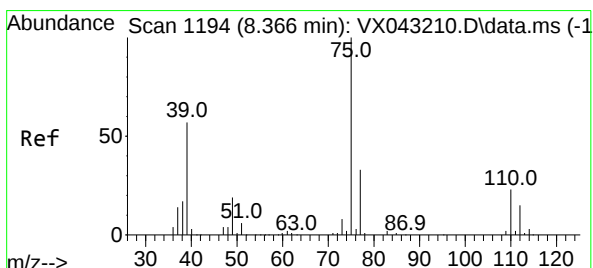
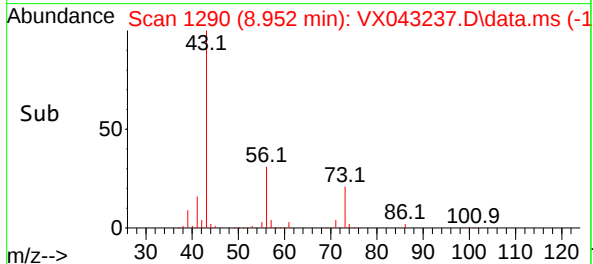
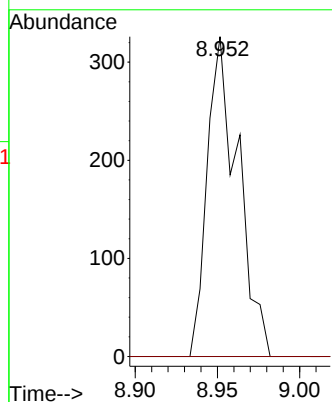
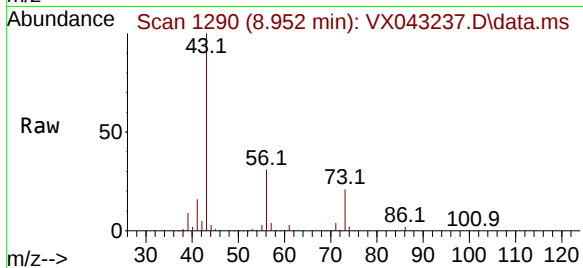
TP3

Tgt Ion: 75 Resp: 425

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 15.164 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

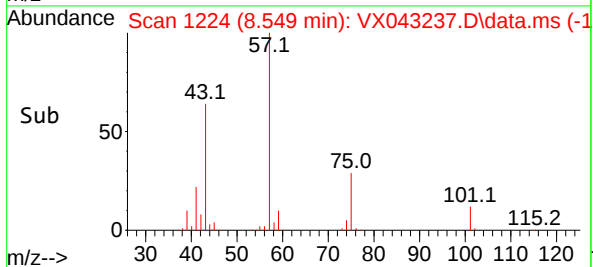
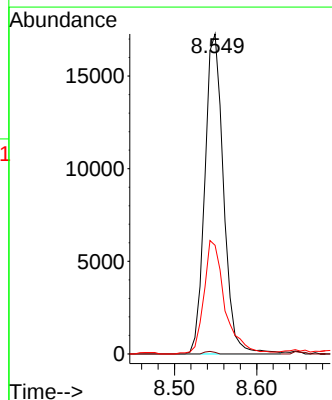
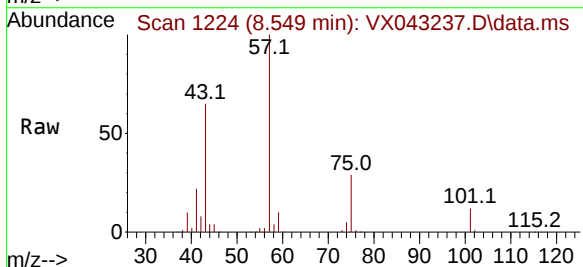
Tgt Ion: 75 Resp: 27225

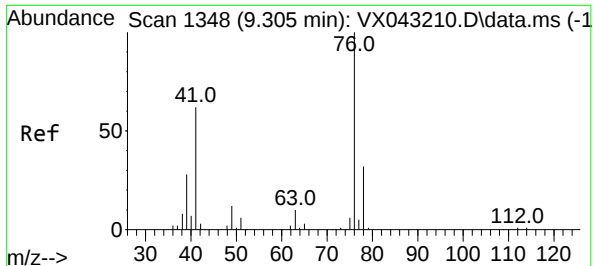
Ion Ratio Lower Upper

75 100

77 0.5 26.0 39.0#

39 33.6 45.8 68.8#

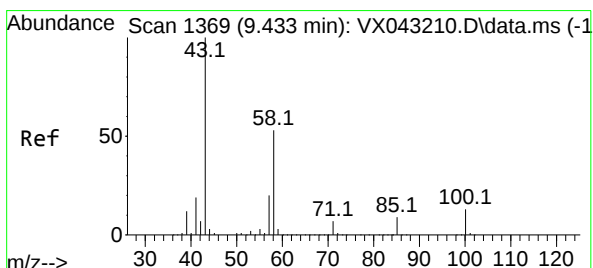
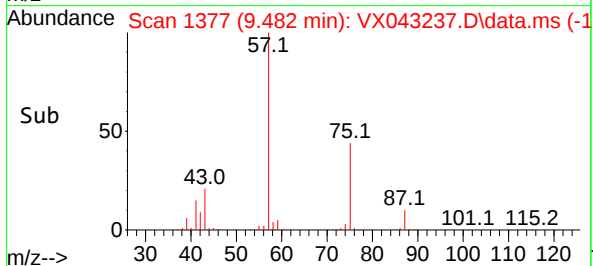
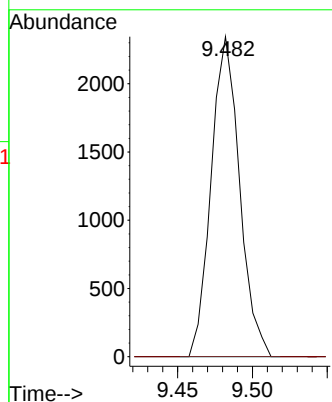
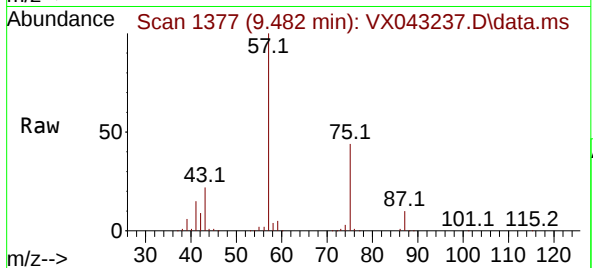




#57
1,3-Dichloropropane
Concen: 1.677 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

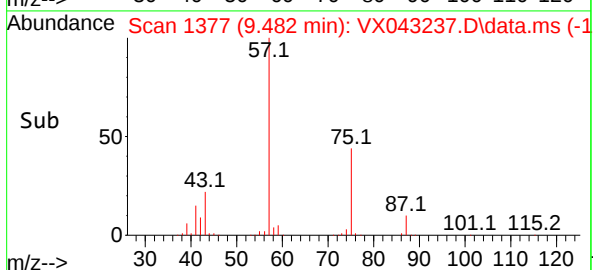
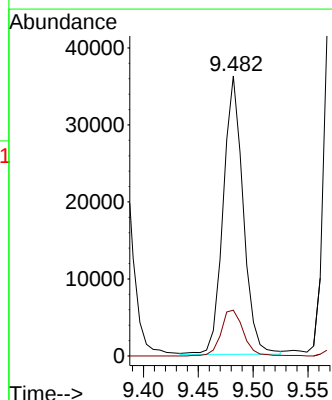
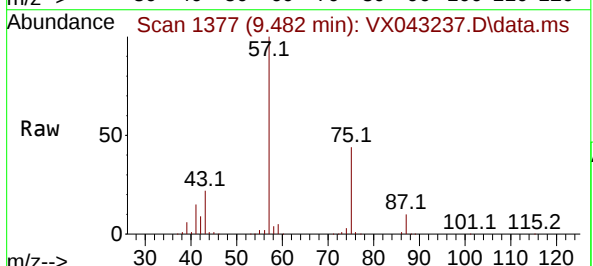
Instrument :
MSVOA_X
ClientSampleId :
TP3

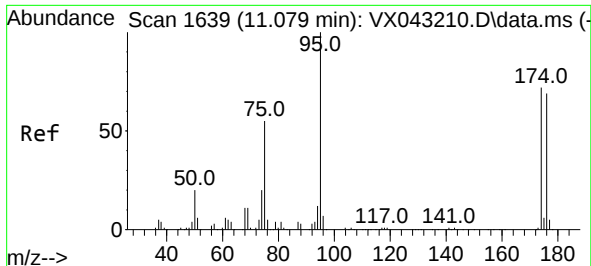
Tgt Ion: 76 Resp: 3100
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 35.031 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 43 Resp: 45864
Ion Ratio Lower Upper
43 100
58 18.5 26.1 78.3#

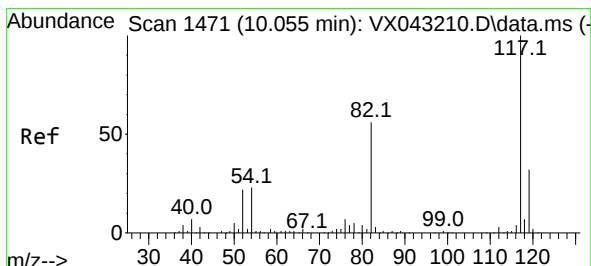
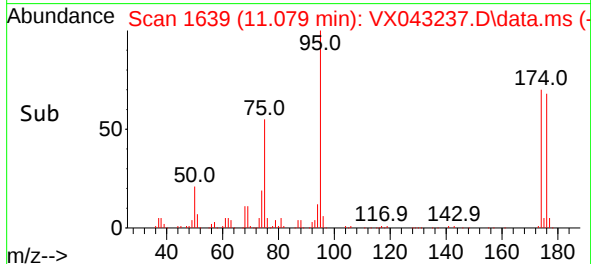
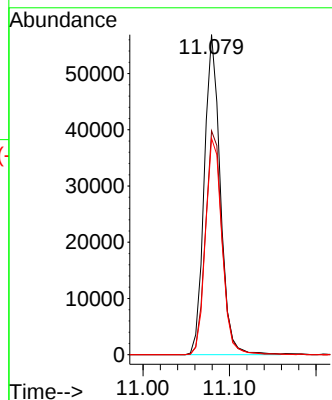
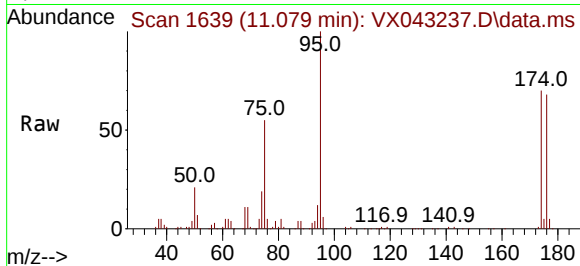




#62
4-Bromofluorobenzene
Concen: 51.030 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

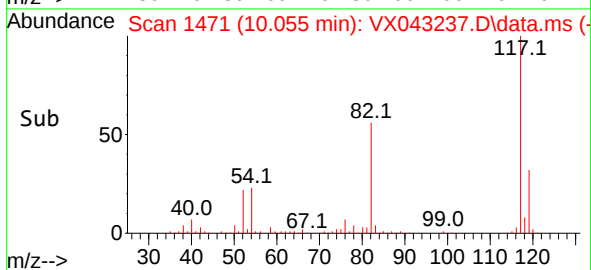
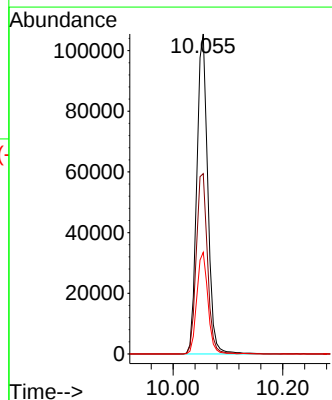
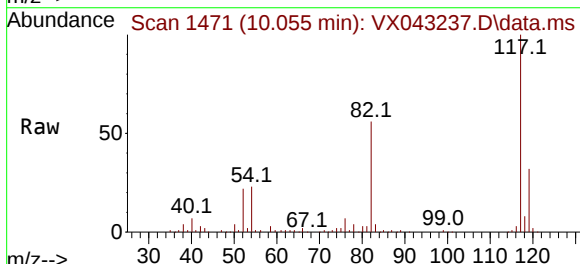
Instrument :
MSVOA_X
ClientSampleId :
TP3

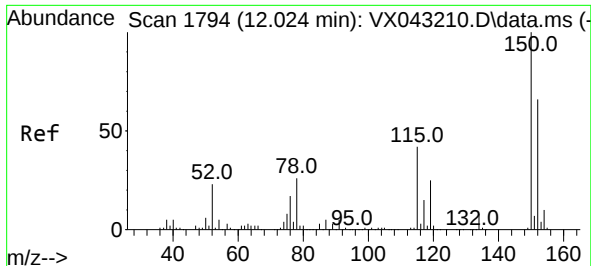
Tgt Ion: 95 Resp: 73084
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.0
176 69.9 0.0 143.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 117 Resp: 147477
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.6
119 31.8 25.3 37.9

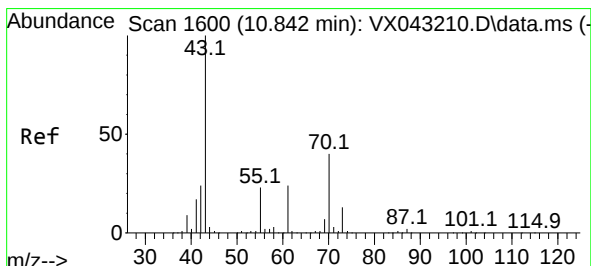
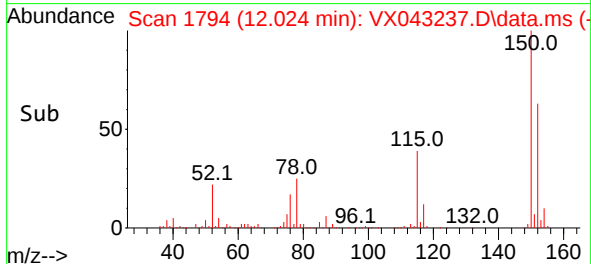
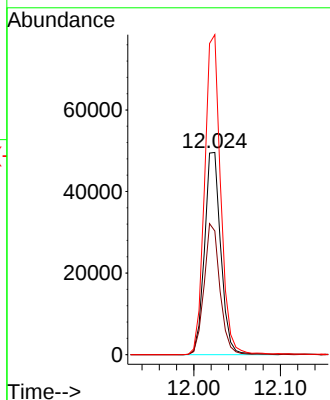
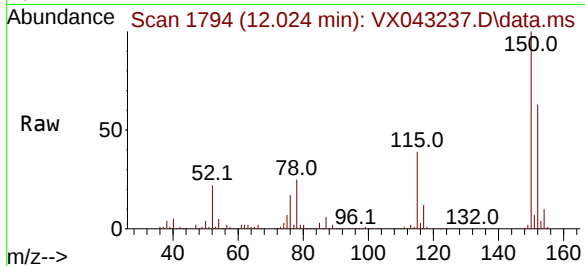




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

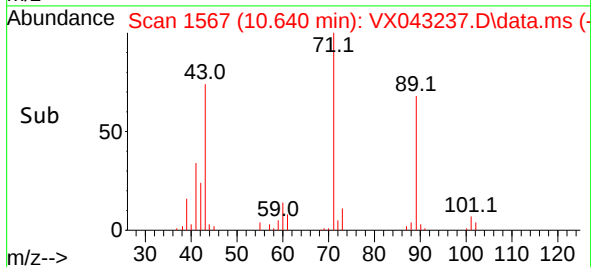
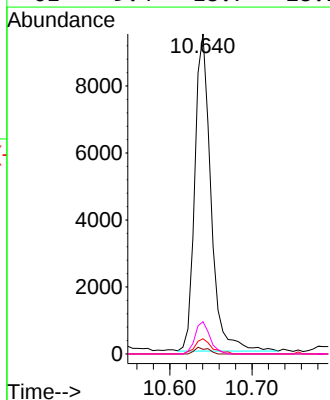
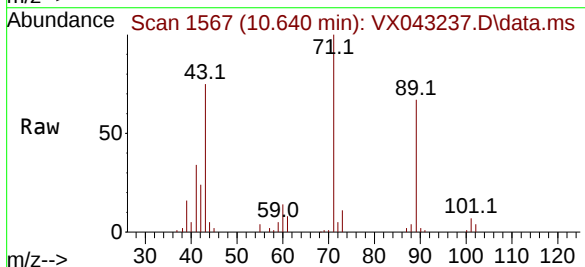
Instrument :
MSVOA_X
ClientSampleId :
TP3

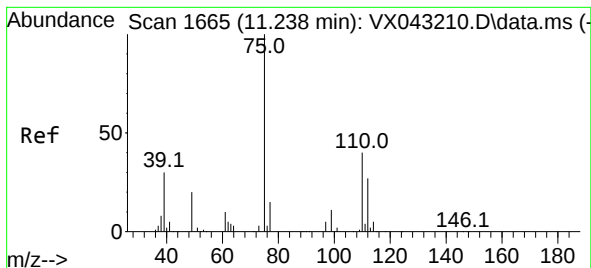
Tgt Ion:152 Resp: 64669
Ion Ratio Lower Upper
152 100
115 63.1 44.1 132.3
150 156.3 0.0 347.4



#74
N-ethyl acetate
Concen: 5.402 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX043237.D
Acq: 02 Oct 2024 17:27

Tgt Ion: 43 Resp: 12894
Ion Ratio Lower Upper
43 100
70 1.8 33.1 49.7#
55 5.0 18.6 27.8#
61 9.4 18.7 28.1#





#76

1,2,3-Trichloropropane

Concen: 28.015 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :

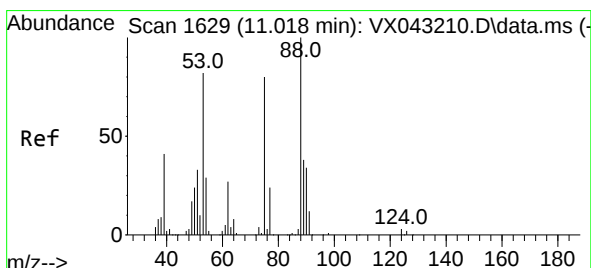
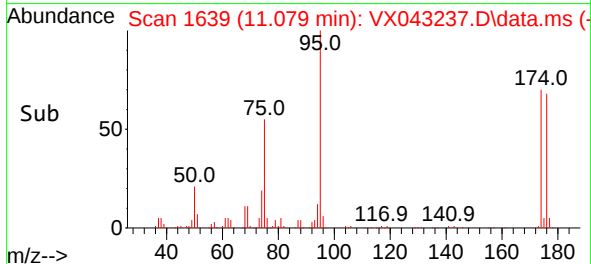
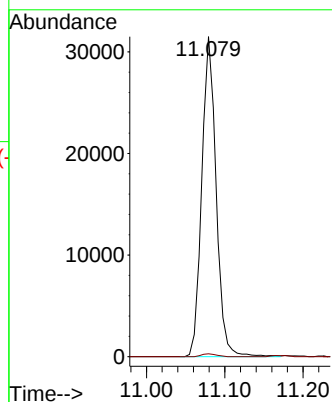
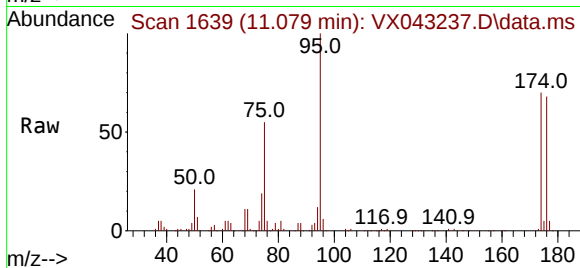
TP3

Tgt Ion: 75 Resp: 40186

Ion Ratio Lower Upper

75 100

77 0.9 22.0 66.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.606 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043237.D

Acq: 02 Oct 2024 17:27

Tgt Ion: 75 Resp: 40186

Ion Ratio Lower Upper

75 100

53 0.0 83.9 125.9#

89 0.1 38.6 58.0#

