

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100224\
 Data File : VX043229.D
 Acq On : 02 Oct 2024 14:22
 Operator : JC/MD
 Sample : PB163826ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 23:03:16 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)

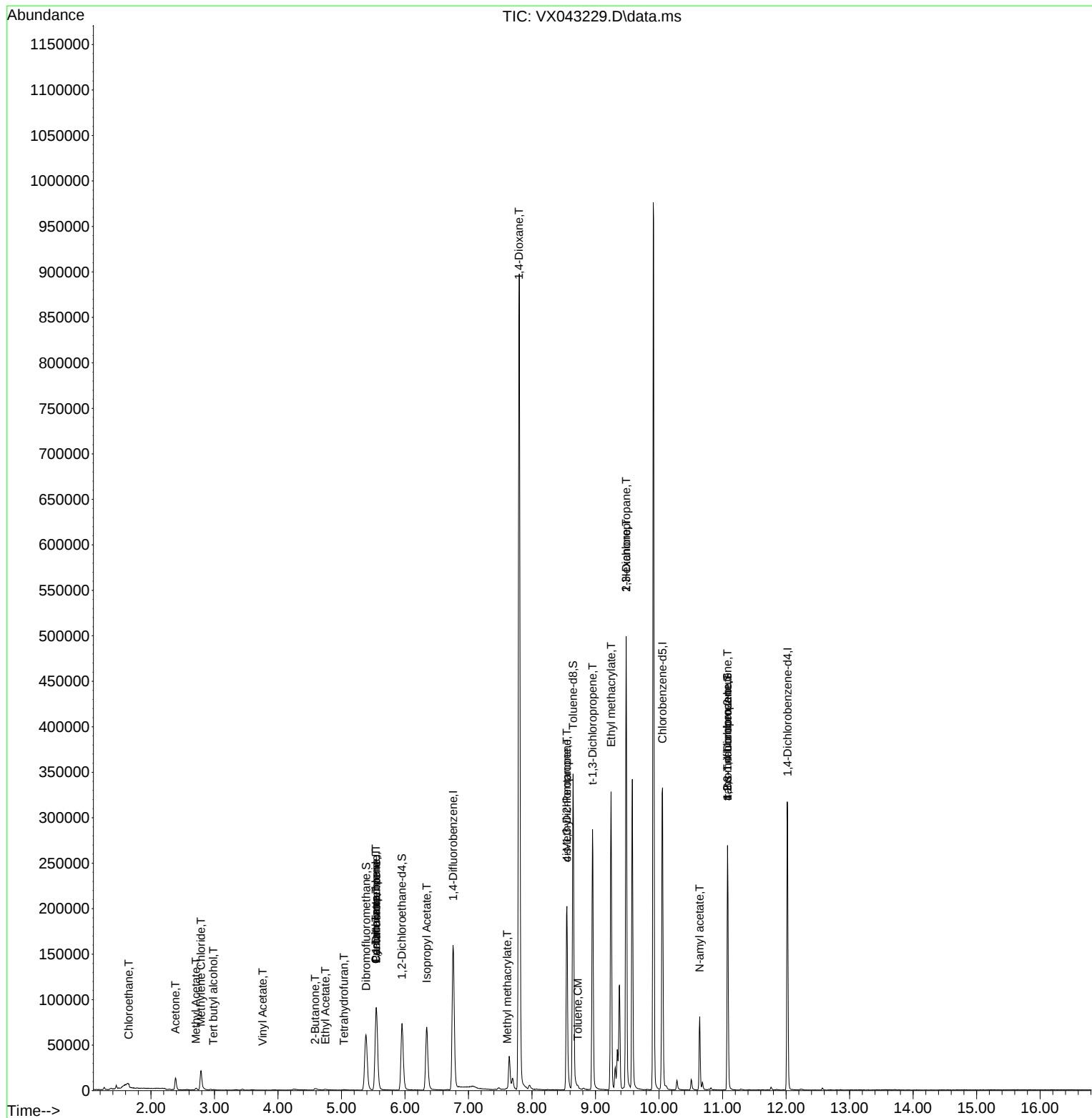
Internal Standards						
1) Pentafluorobenzene	5.550	168	82582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72444	53.714	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	5.385	113	53751	47.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.820%			
50) Toluene-d8	8.647	98	201451	51.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	11.079	95	69918	48.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.980%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.648	64	82	0.222	ug/l #	42
11) Tert butyl alcohol	2.983	59	655	2.552	ug/l #	71
16) Acetone	2.386	43	14747	26.183	ug/l	97
18) Methyl Acetate	2.709	43	2774	1.963	ug/l	99
20) Methylene Chloride	2.788	84	11428	11.005	ug/l	99
23) Vinyl Acetate	3.757	43	18	6.344	ug/l #	71
25) 2-Butanone	4.586	43	4363	5.650	ug/l #	89
29) Tetrahydrofuran	5.038	42	293	0.596	ug/l #	62
31) Cyclohexane	5.544	56	1995	1.371	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	7089	4.950	ug/l #	50
37) Ethyl Acetate	4.745	43	2113	1.229	ug/l #	89
38) Carbon Tetrachloride	5.544	117	8876	5.235	ug/l #	14
43) Isopropyl Acetate	6.342	43	96422	33.942	ug/l	100
48) Methyl methacrylate	7.610	41	2885	2.070	ug/l #	13
49) 1,4-Dioxane	7.793	88	144	5.315	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	75555	43.791	ug/l #	51
52) Toluene	8.720	92	677	0.249	ug/l	89
53) t-1,3-Dichloropropene	8.951	75	669	0.401	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32794	18.329	ug/l #	59
56) Ethyl methacrylate	9.244	69	600	0.339	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4280	2.323	ug/l #	43
59) 2-Hexanone	9.482	43	62212	47.681	ug/l #	53
74) N-amyl acetate	10.640	43	20210	8.832	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	38807	28.218	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	38807	73.130	ug/l #	8

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

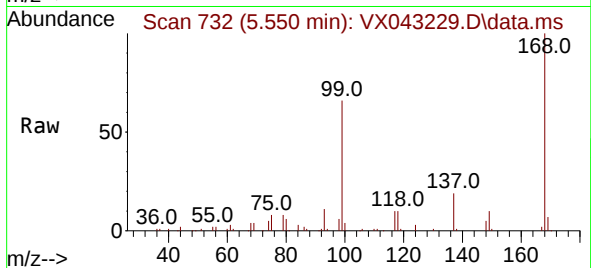
Quant Time: Oct 02 23:03:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
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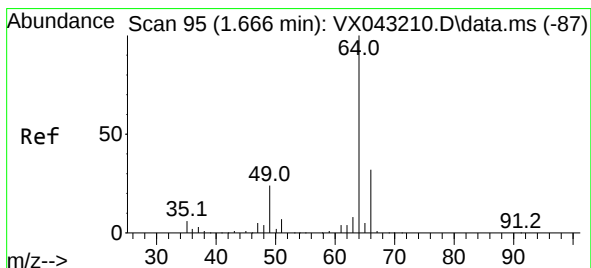
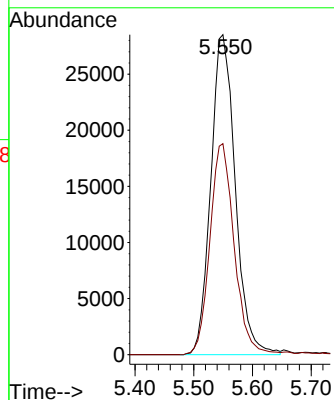
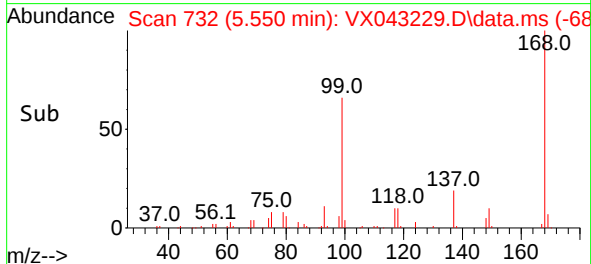


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :

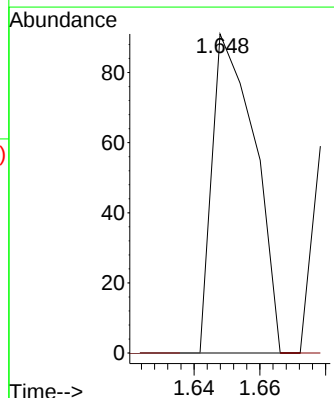
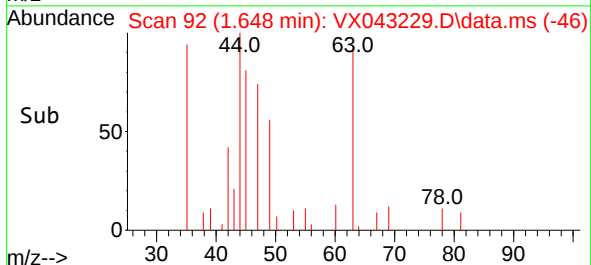
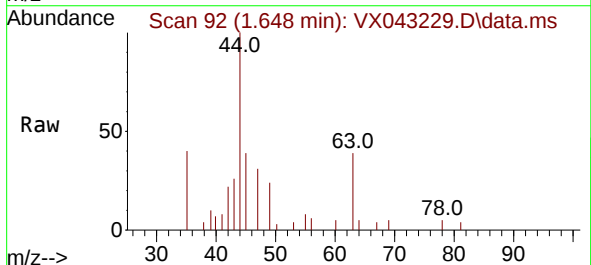


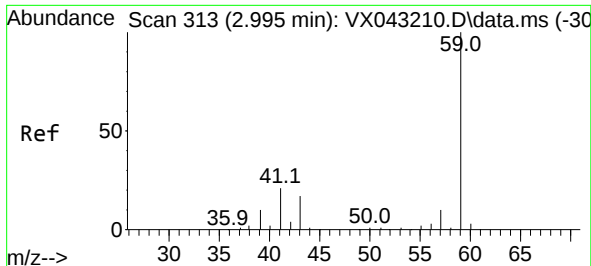
Tgt Ion:168 Resp: 82582
Ion Ratio Lower Upper
168 100
99 65.9 49.7 74.5



#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.018 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 64 Resp: 82
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#





#11

Tert butyl alcohol

Concen: 2.552 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.012 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

Instrument :

MSVOA_X

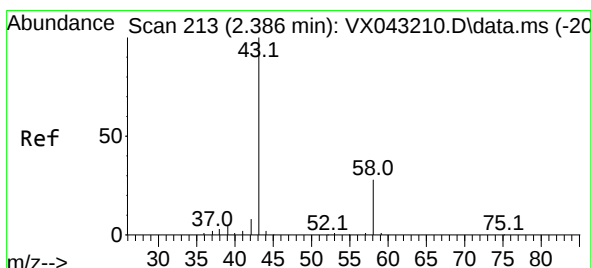
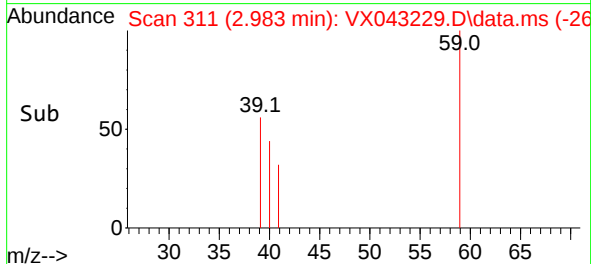
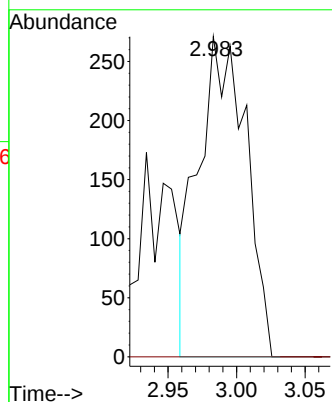
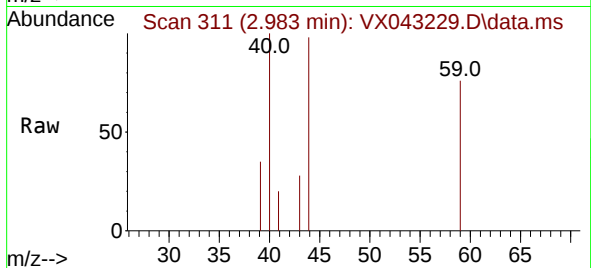
ClientSampleId :

Tgt Ion: 59 Resp: 655

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 26.183 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX043229.D

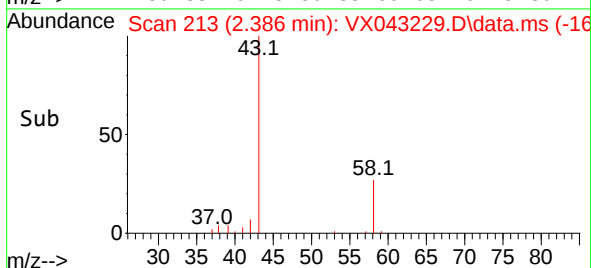
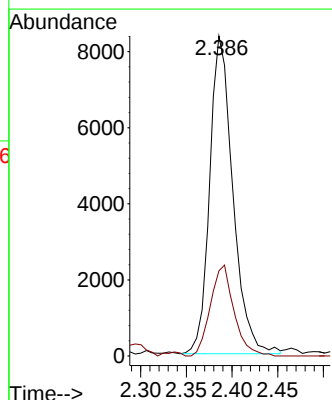
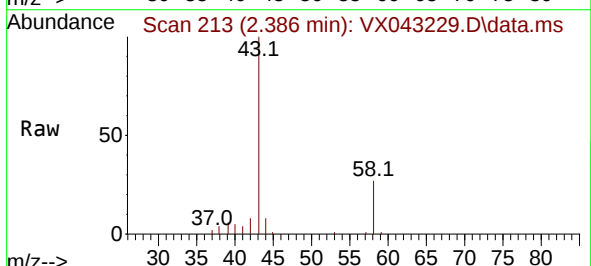
Acq: 02 Oct 2024 14:22

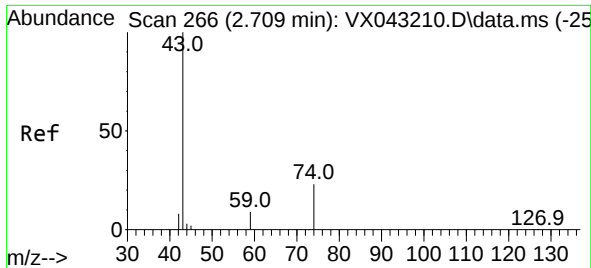
Tgt Ion: 43 Resp: 14747

Ion Ratio Lower Upper

43 100

58 26.8 22.6 33.8

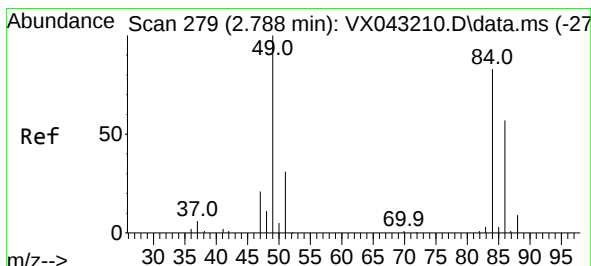
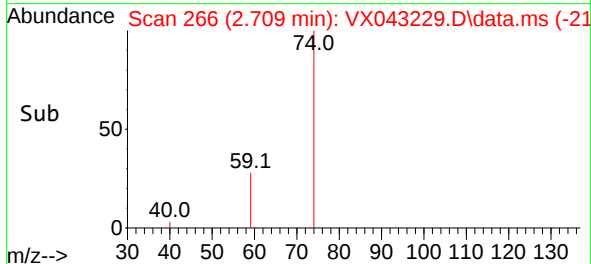
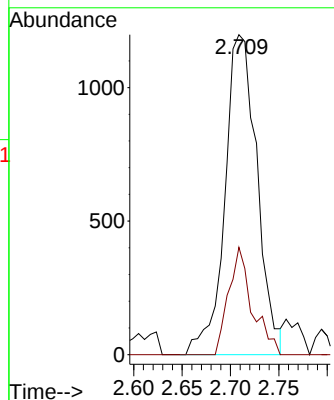
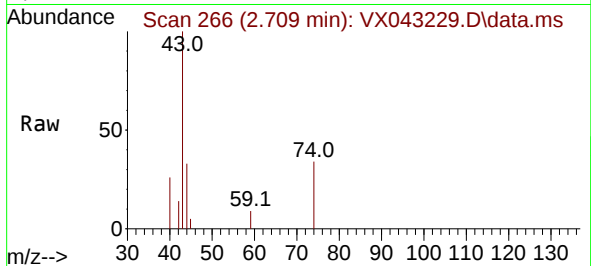




#18
Methyl Acetate
Concen: 1.963 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

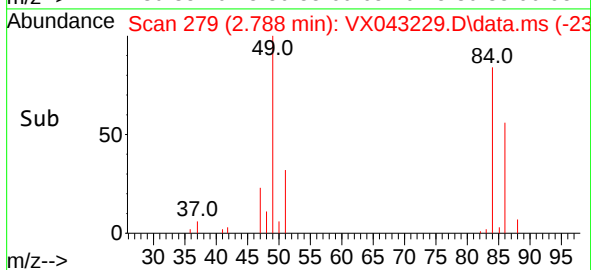
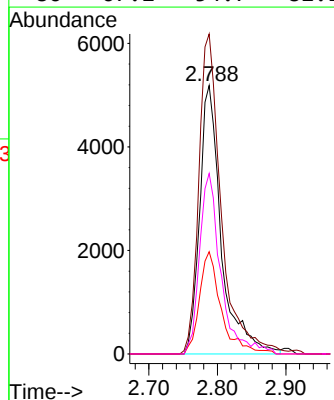
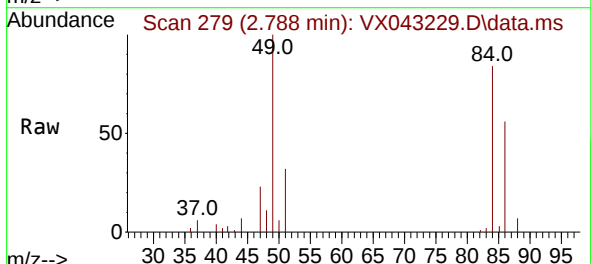
Instrument :
MSVOA_X
ClientSampleId :

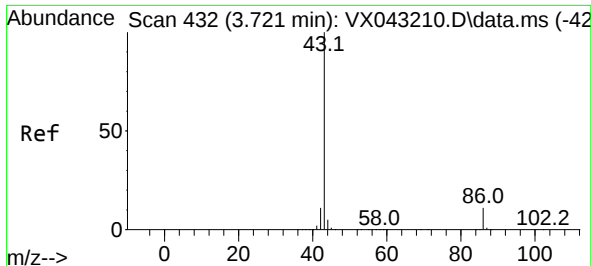
Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
74 24.6 19.1 28.7



#20
Methylene Chloride
Concen: 11.005 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 84 Resp: 11428
Ion Ratio Lower Upper
84 100
49 119.2 96.7 145.1
51 38.1 30.4 45.6
86 67.2 54.7 82.1

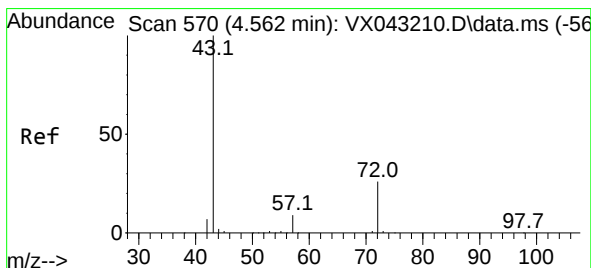
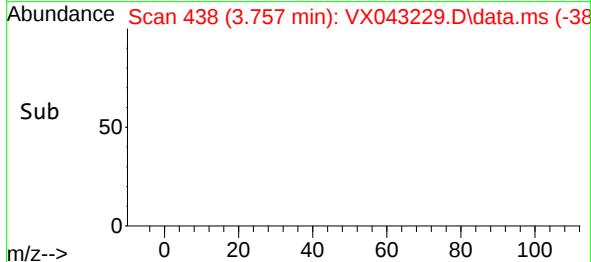
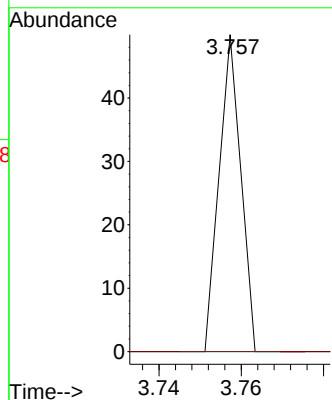
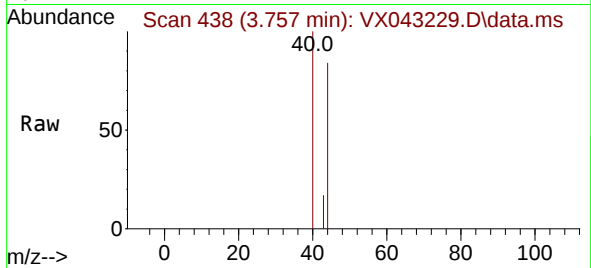




#23
 Vinyl Acetate
 Concen: 6.344 ug/l
 RT: 3.757 min Scan# 41
 Delta R.T. 0.036 min
 Lab File: VX043229.D
 Acq: 02 Oct 2024 14:22

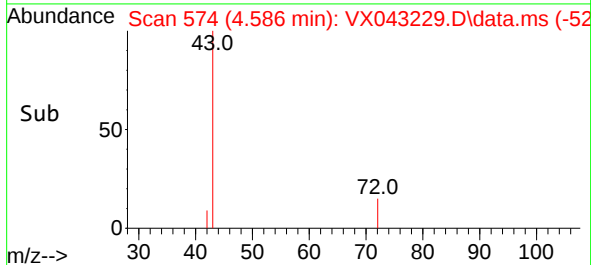
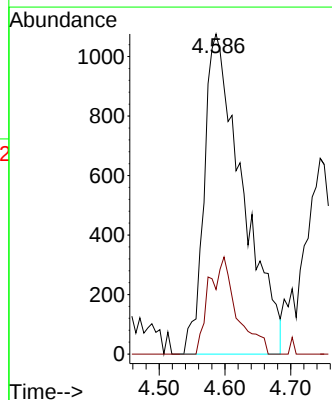
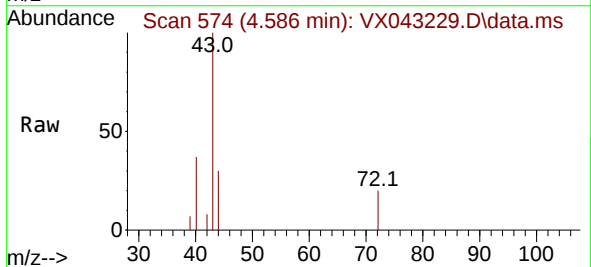
Instrument :
 MSVOA_X
 ClientSampleId :

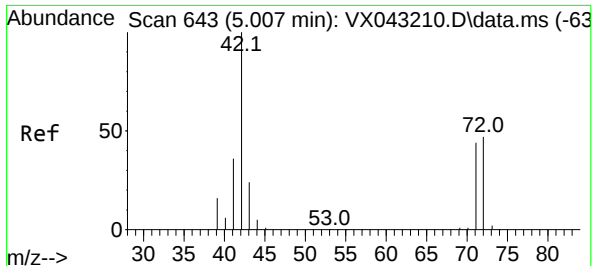
Tgt Ion: 43 Resp: 18
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 5.650 ug/l
 RT: 4.586 min Scan# 574
 Delta R.T. 0.024 min
 Lab File: VX043229.D
 Acq: 02 Oct 2024 14:22

Tgt Ion: 43 Resp: 4363
 Ion Ratio Lower Upper
 43 100
 72 20.2 20.6 31.0#





#29

Tetrahydrofuran

Concen: 0.596 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.030 min

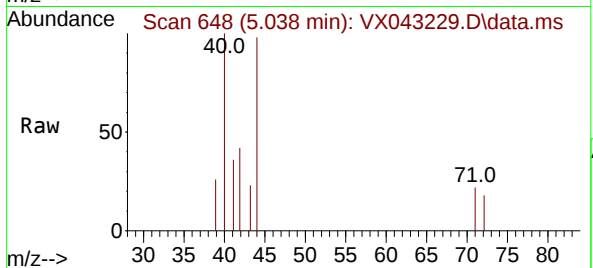
Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

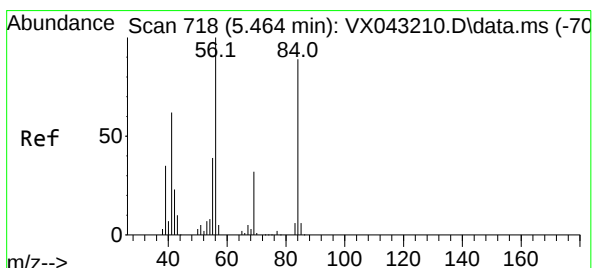
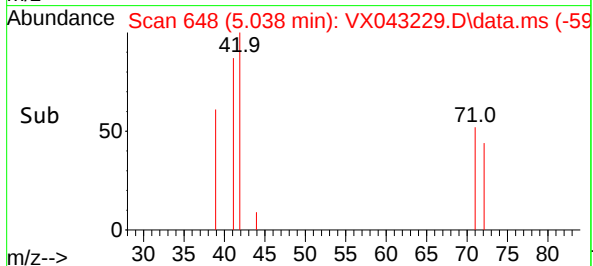
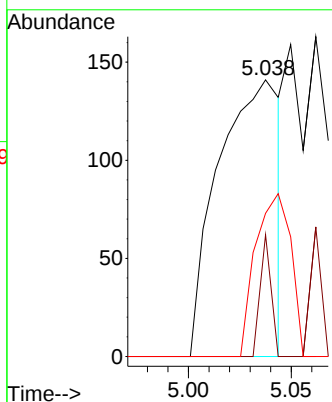
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	293
Ion Ratio	Lower	Upper	
42	100		
72	7.8	37.7	56.5#
71	33.8	34.6	52.0#



#31

Cyclohexane

Concen: 1.371 ug/l

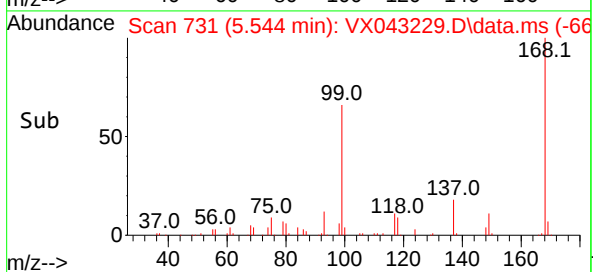
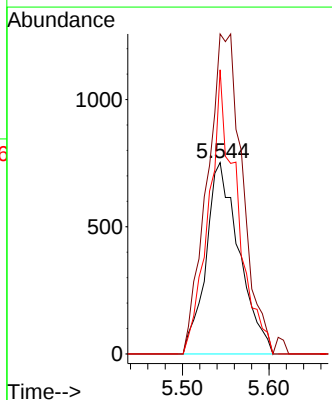
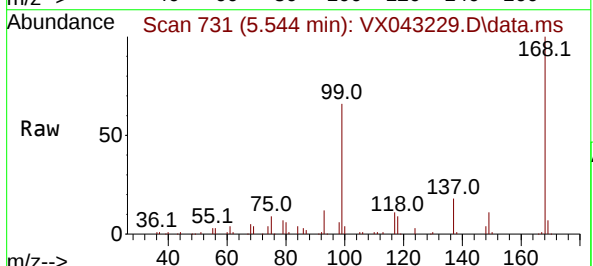
RT: 5.544 min Scan# 731

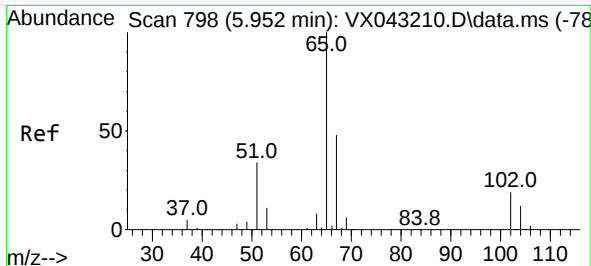
Delta R.T. 0.079 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

Tgt Ion:	56	Resp:	1995
Ion Ratio	Lower	Upper	
56	100		
69	167.3	25.8	38.6#
84	148.5	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 53.714 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

Instrument :

MSVOA_X

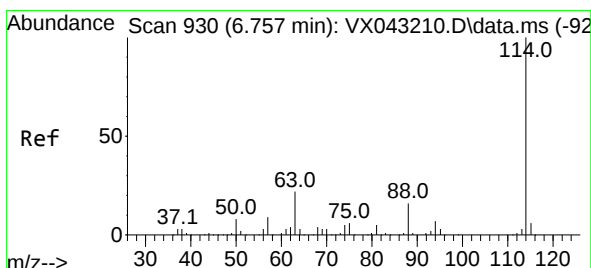
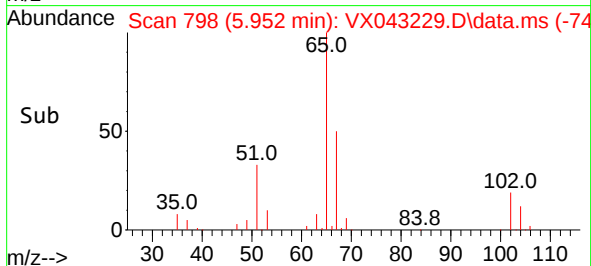
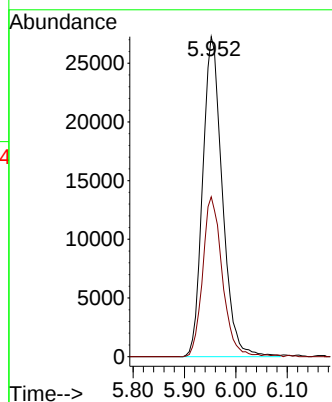
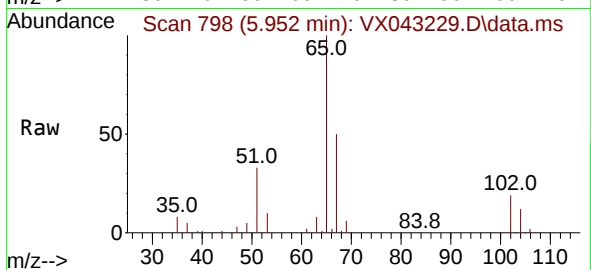
ClientSampleId :

Tgt Ion: 65 Resp: 72444

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

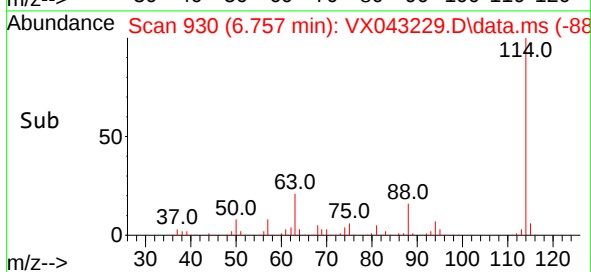
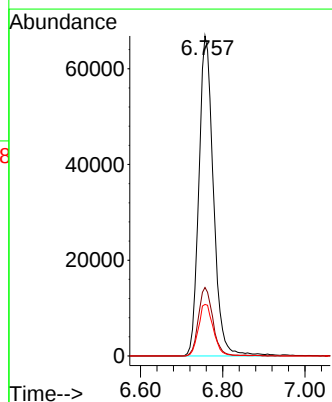
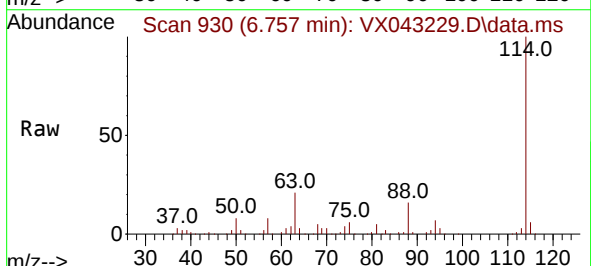
Tgt Ion: 114 Resp: 164388

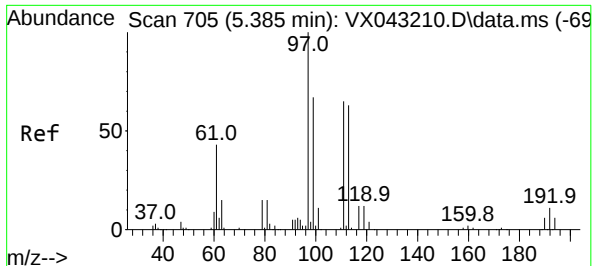
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.0

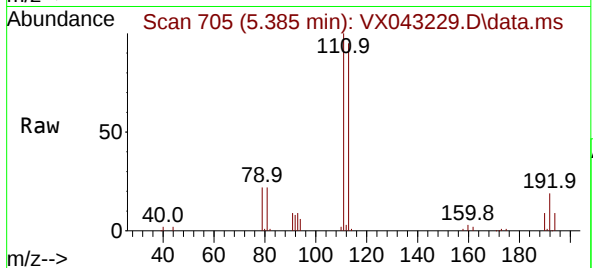
88 16.1 0.0 33.0



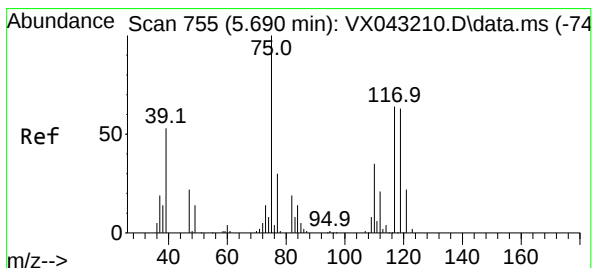
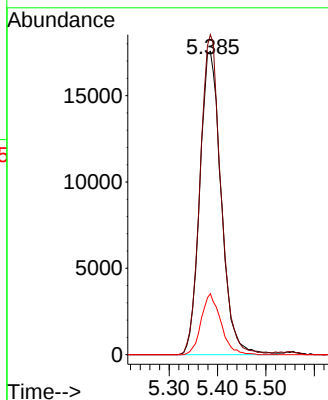
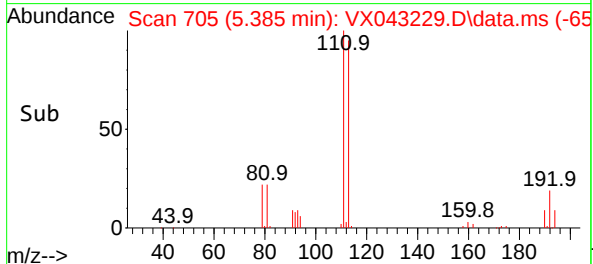


#35
Dibromofluoromethane
Concen: 47.413 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

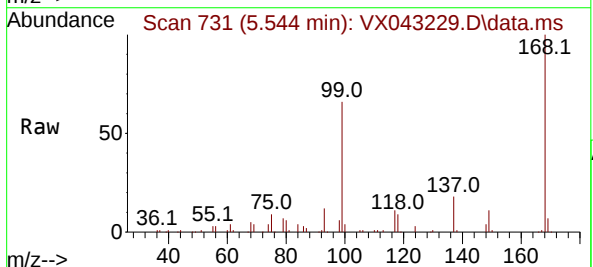
Instrument :
MSVOA_X
ClientSampleId :



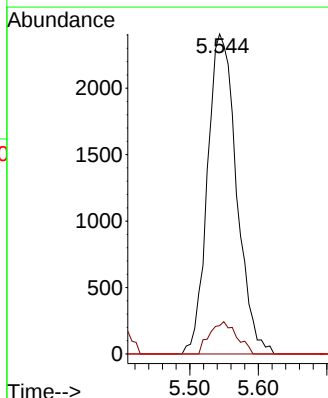
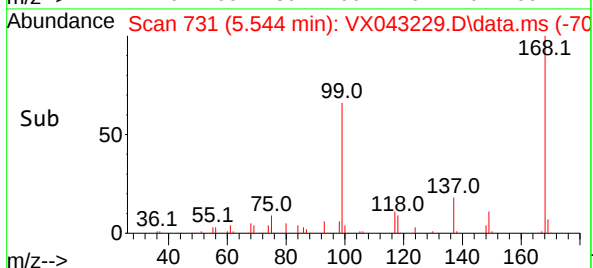
Tgt Ion:113 Resp: 53751
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 18.5 14.1 21.1

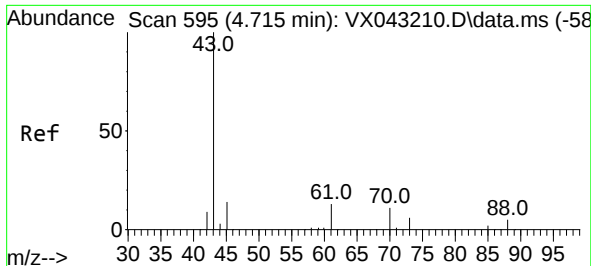


#36
1,1-Dichloropropene
Concen: 4.950 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22



Tgt Ion: 75 Resp: 7089
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.229 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

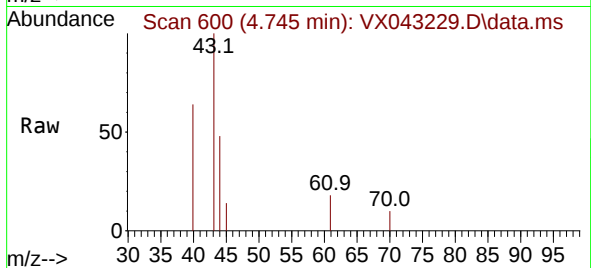
Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

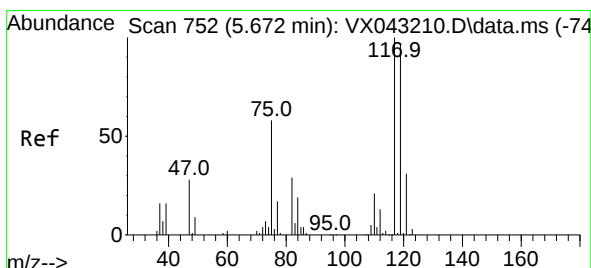
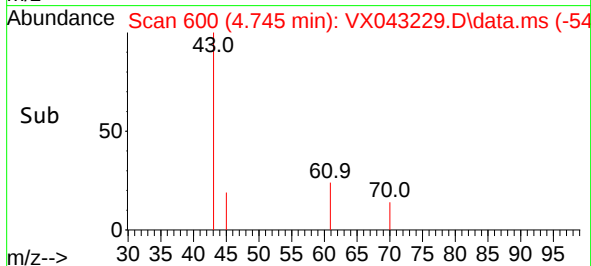
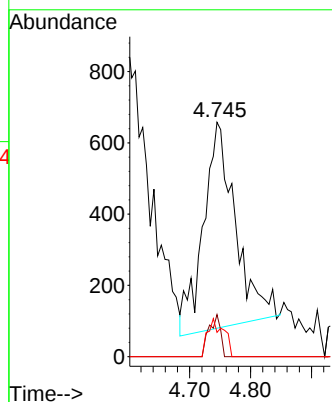
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2113
Ion Ratio	Lower Upper
43	100
61	7.3 11.0 16.4#
70	9.2 8.9 13.3



#38

Carbon Tetrachloride

Concen: 5.235 ug/l

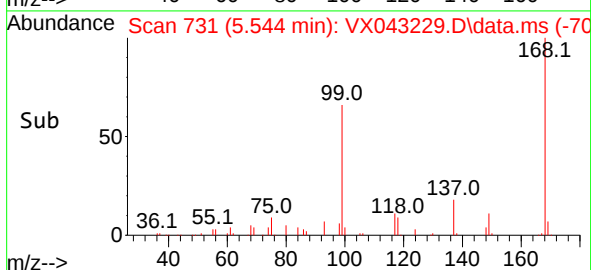
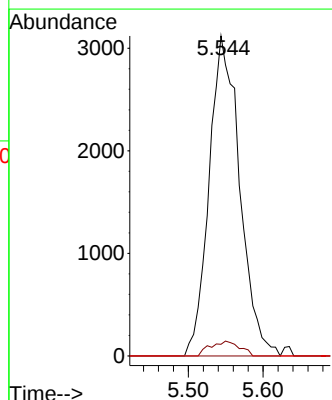
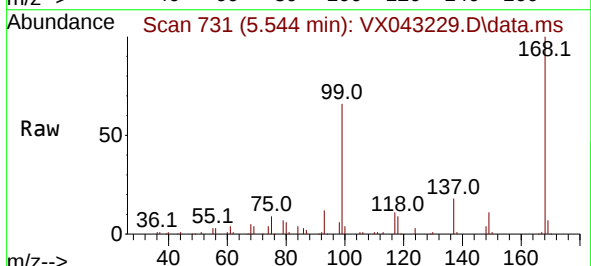
RT: 5.544 min Scan# 731

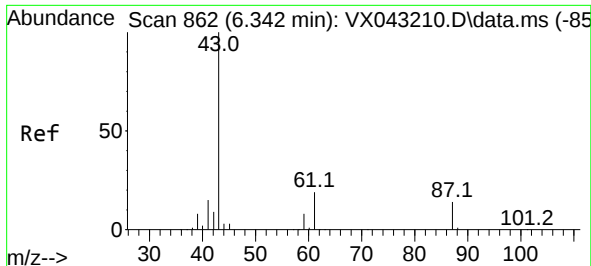
Delta R.T. -0.128 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

Tgt Ion: 117	Resp: 8876
Ion Ratio	Lower Upper
117	100
119	3.6 77.7 116.5#
121	0.0 24.3 36.5#

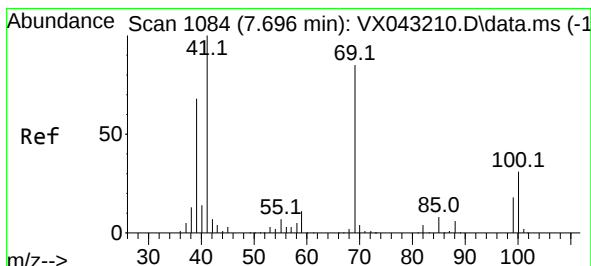
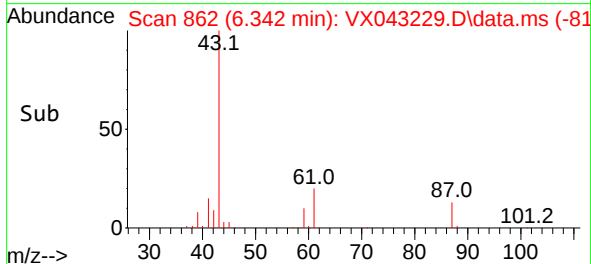
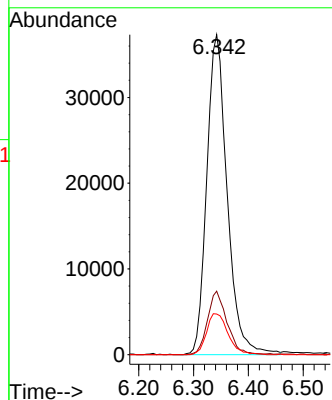
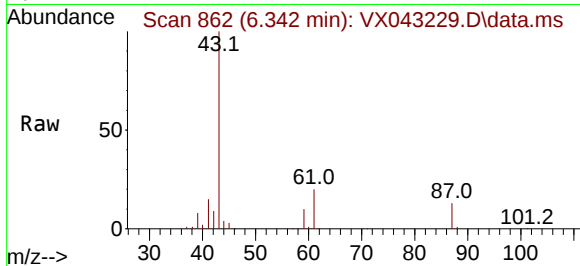




#43
Isopropyl Acetate
Concen: 33.942 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

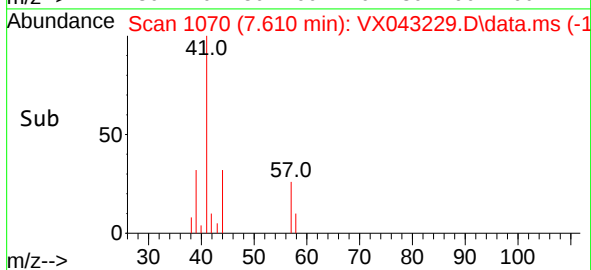
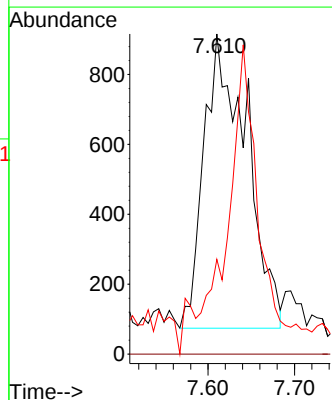
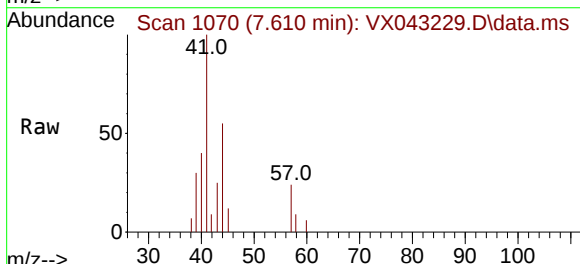
Instrument :
MSVOA_X
ClientSampleId :

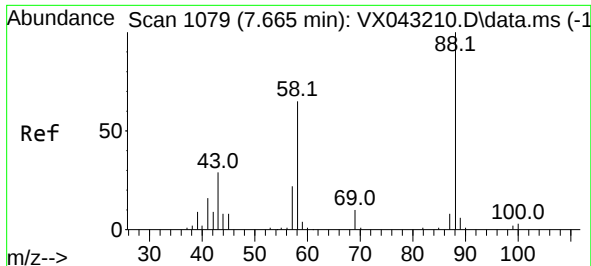
Tgt Ion: 43 Resp: 96422
Ion Ratio Lower Upper
43 100
61 19.0 15.1 22.7
87 13.5 10.8 16.2



#48
Methyl methacrylate
Concen: 2.070 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.086 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 41 Resp: 2885
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 0.0 52.8 79.2#

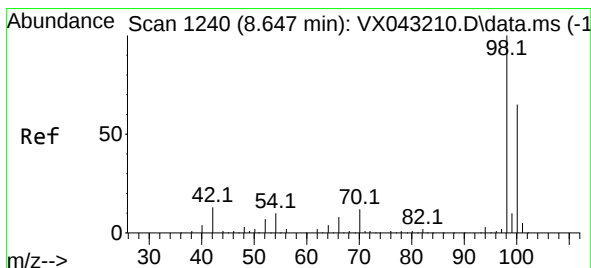
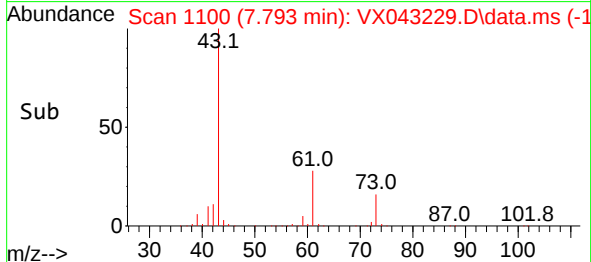
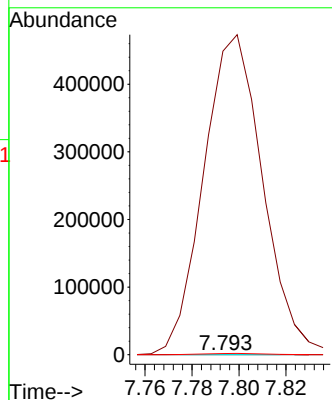
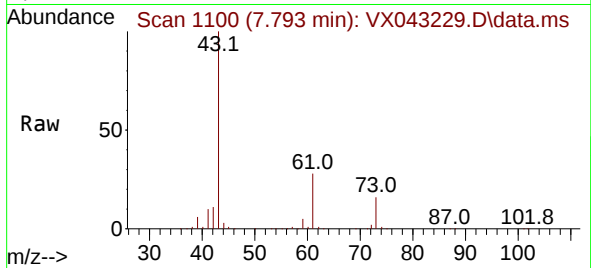




#49
1,4-Dioxane
Concen: 5.315 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

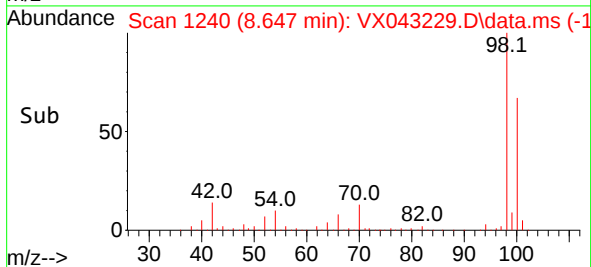
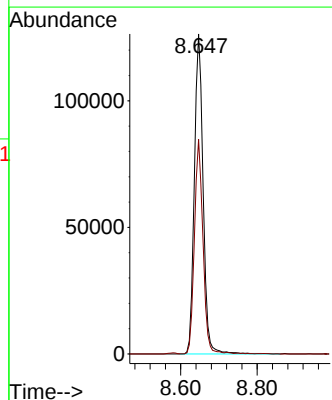
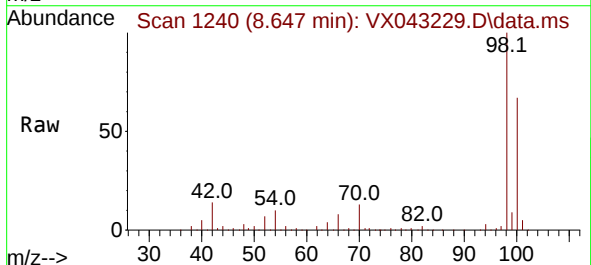
Instrument :
MSVOA_X
ClientSampleId :

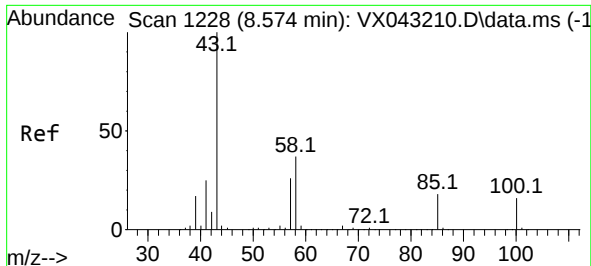
Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 585802.1 29.5 44.3#
58 2253.5 55.2 82.8#



#50
Toluene-d8
Concen: 51.276 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 98 Resp: 201451
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 43.791 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX043229.D

Acq: 02 Oct 2024 14:22

Instrument :

MSVOA_X

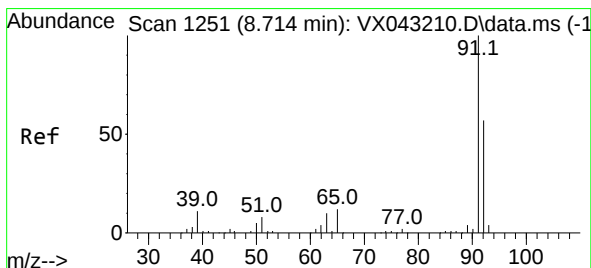
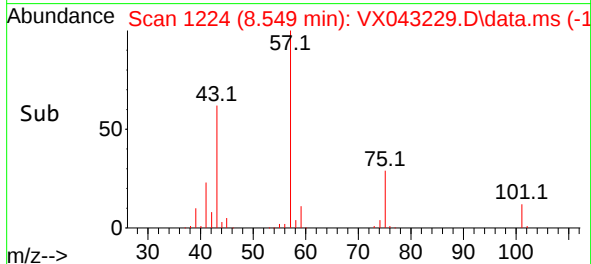
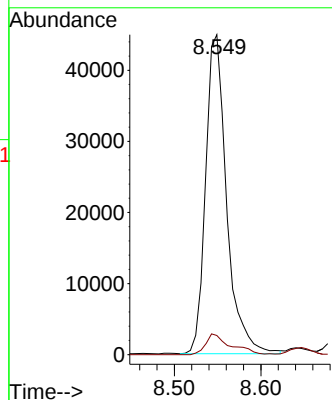
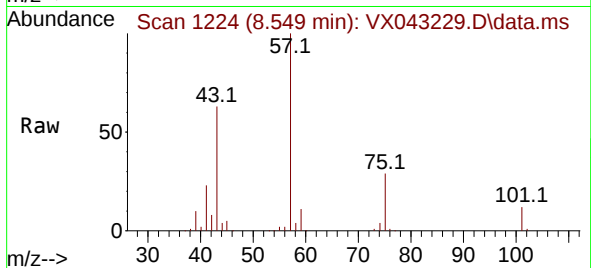
ClientSampleId :

Tgt Ion: 43 Resp: 75555

Ion Ratio Lower Upper

43 100

58 7.9 30.0 45.0#



#52

Toluene

Concen: 0.249 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043229.D

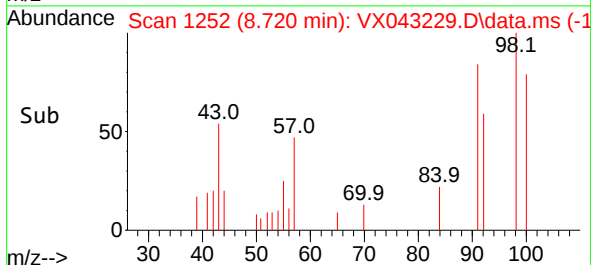
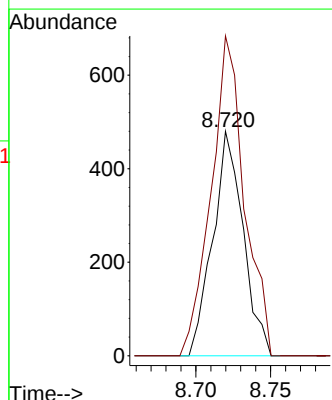
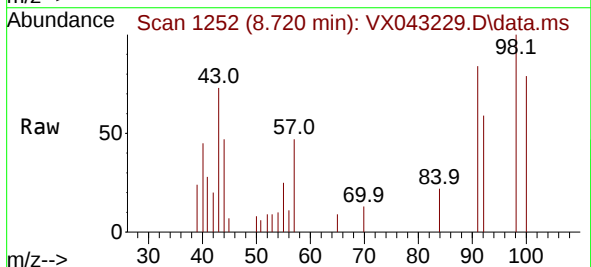
Acq: 02 Oct 2024 14:22

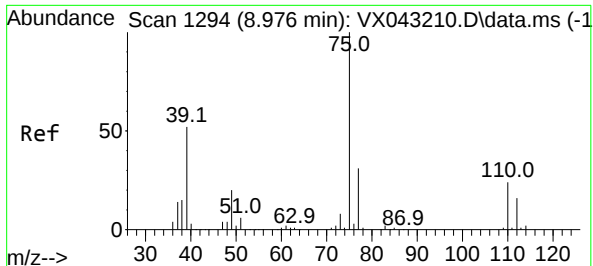
Tgt Ion: 92 Resp: 677

Ion Ratio Lower Upper

92 100

91 156.6 137.0 205.4

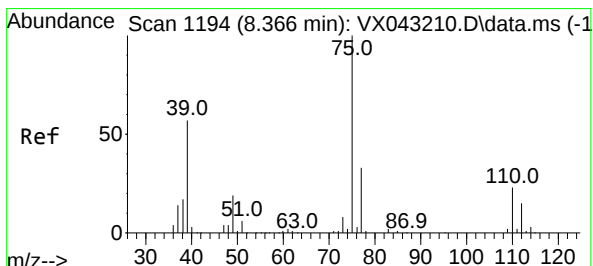
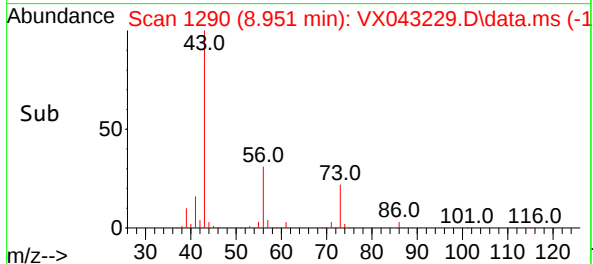
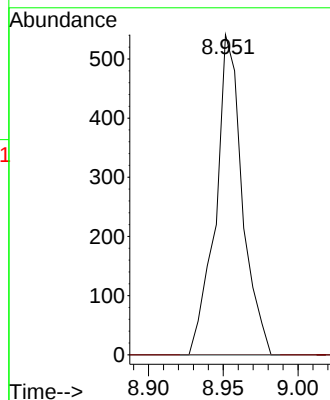
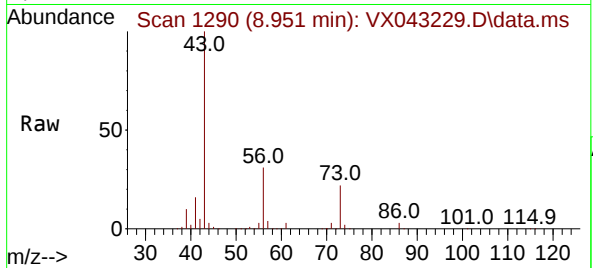




#53
 t-1,3-Dichloropropene
 Concen: 0.401 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX043229.D
 Acq: 02 Oct 2024 14:22

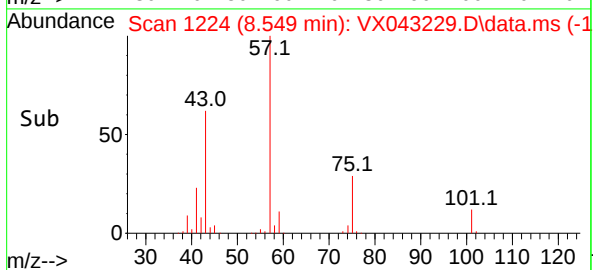
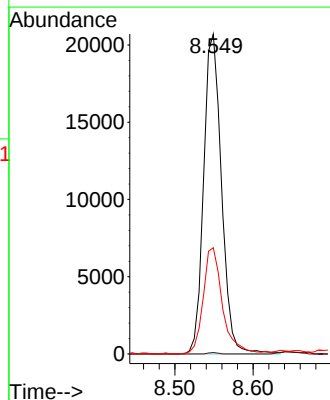
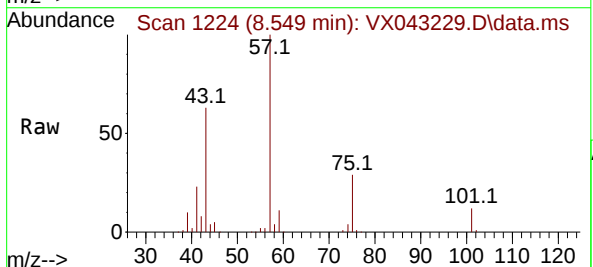
Instrument :
 MSVOA_X
 ClientSampleId :

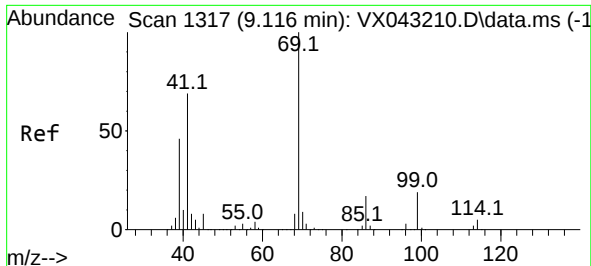
Tgt Ion: 75 Resp: 669
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 18.329 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043229.D
 Acq: 02 Oct 2024 14:22

Tgt Ion: 75 Resp: 32794
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.0 39.0#
 39 33.2 45.8 68.8#

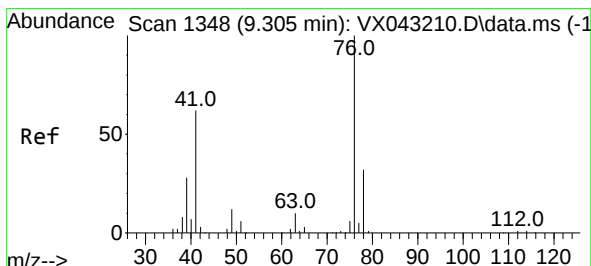
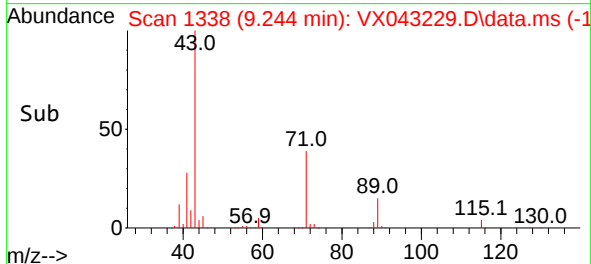
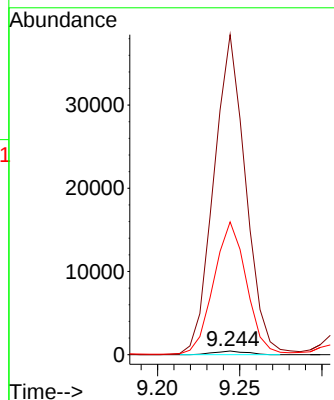
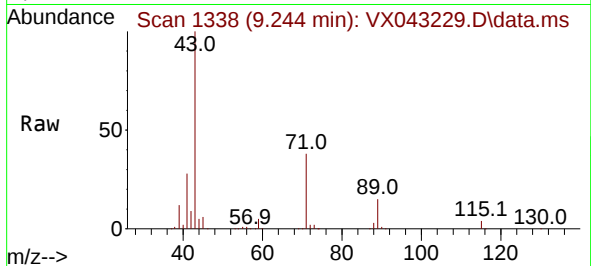




#56
Ethyl methacrylate
Concen: 0.339 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

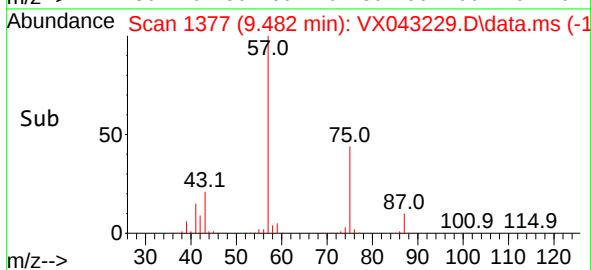
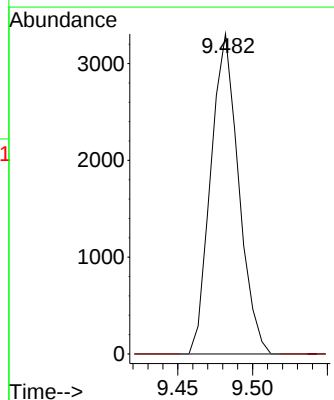
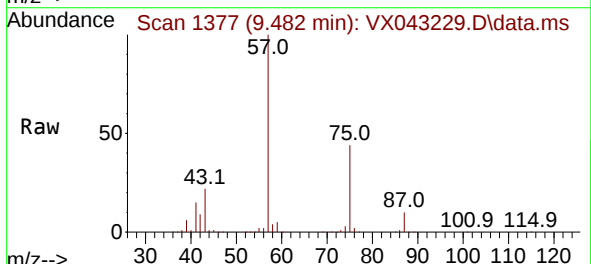
Instrument :
MSVOA_X
ClientSampleId :

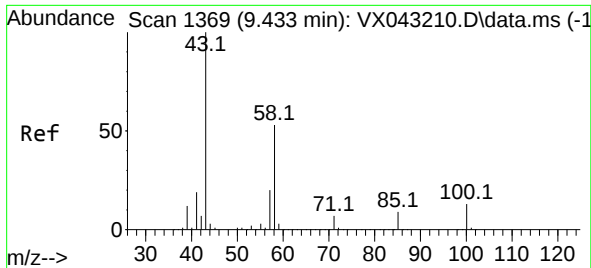
Tgt Ion: 69 Resp: 600
Ion Ratio Lower Upper
69 100
41 8677.7 56.1 84.1#
39 3655.0 36.4 54.6#



#57
1,3-Dichloropropane
Concen: 2.323 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 76 Resp: 4280
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

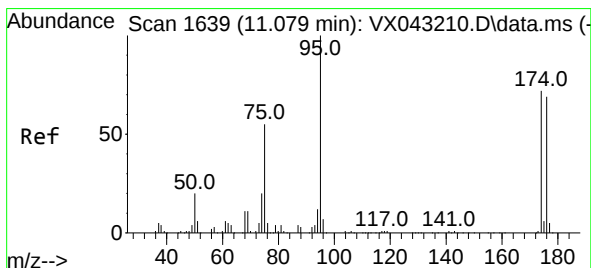
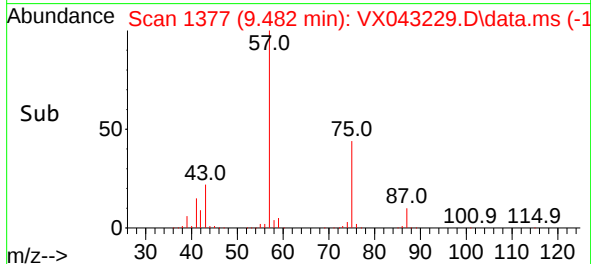
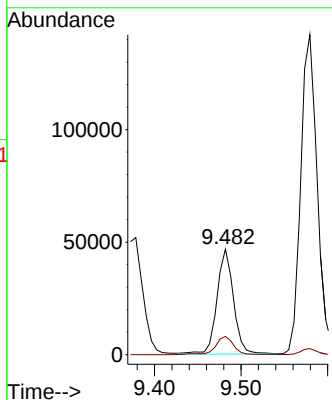
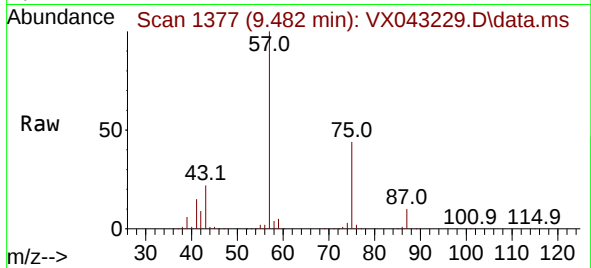




#59
2-Hexanone
Concen: 47.681 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

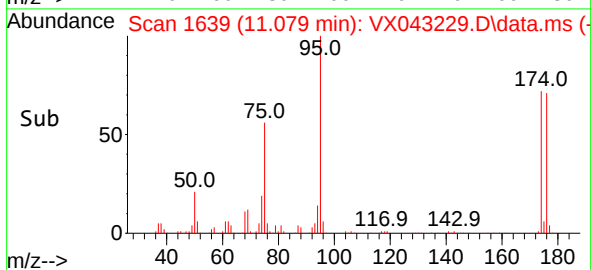
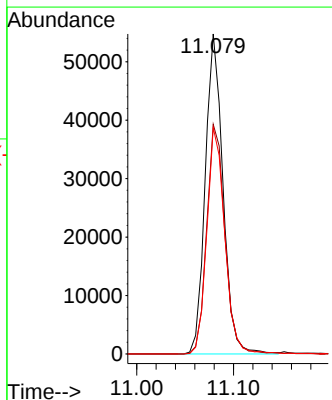
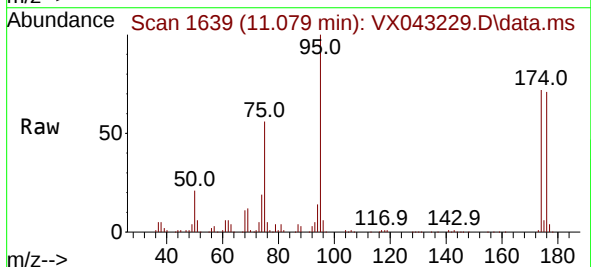
Instrument :
MSVOA_X
ClientSampleId :

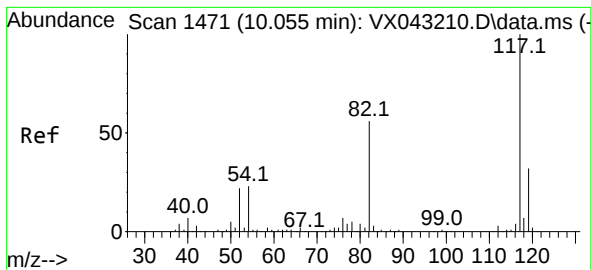
Tgt Ion: 43 Resp: 62212
Ion Ratio Lower Upper
43 100
58 19.3 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 48.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Tgt Ion: 95 Resp: 69918
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.0
176 71.8 0.0 143.0

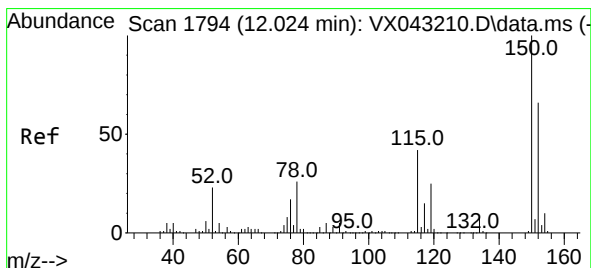
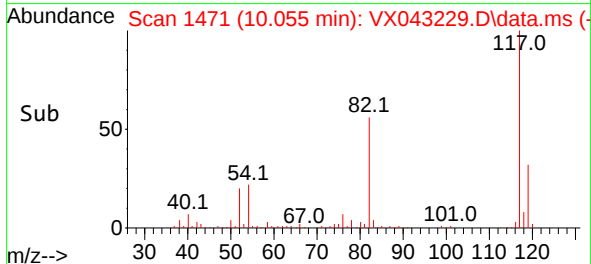
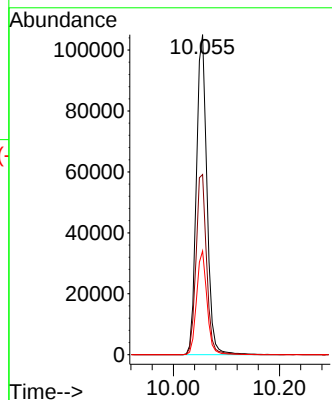
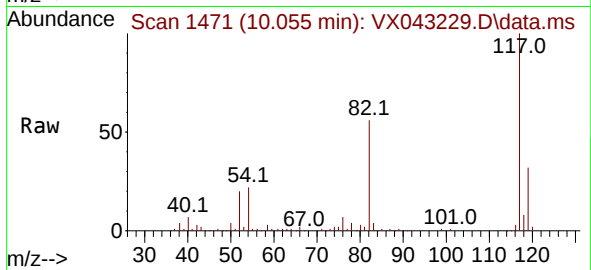




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

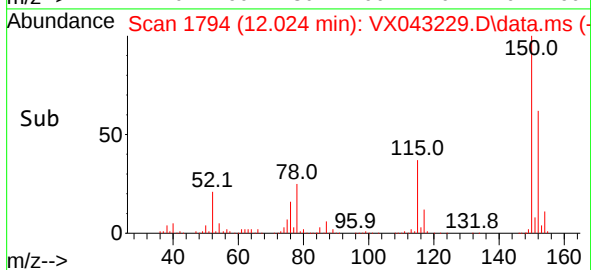
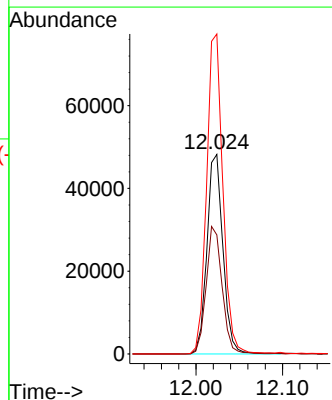
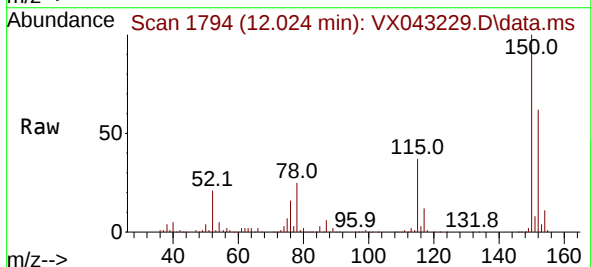
Instrument :
MSVOA_X
ClientSampleId :

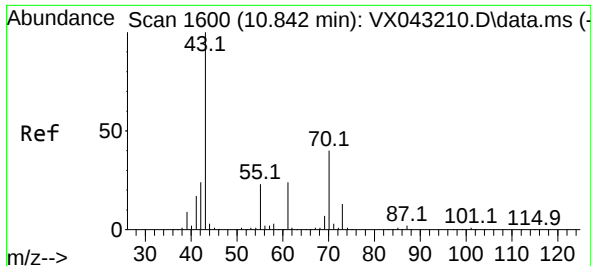
Tgt Ion:117 Resp: 145047
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.6
119 32.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

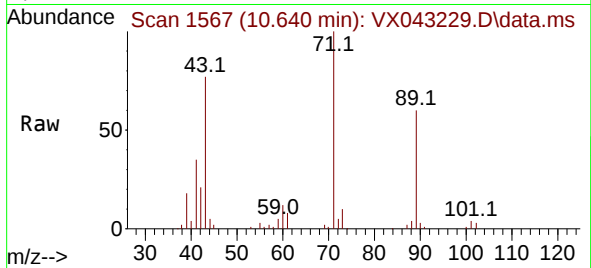
Tgt Ion:152 Resp: 62002
Ion Ratio Lower Upper
152 100
115 63.7 44.1 132.3
150 162.1 0.0 347.4



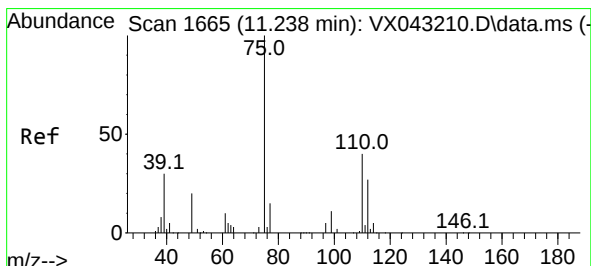
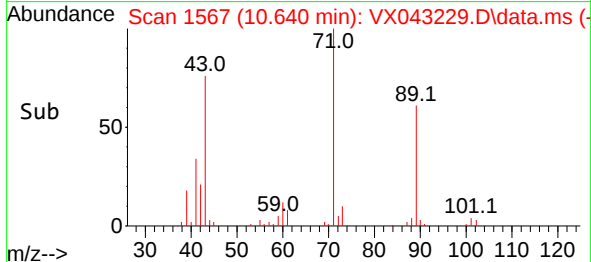
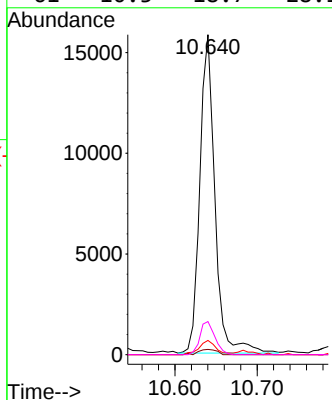


#74
N-amy1 acetate
Concen: 8.832 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :

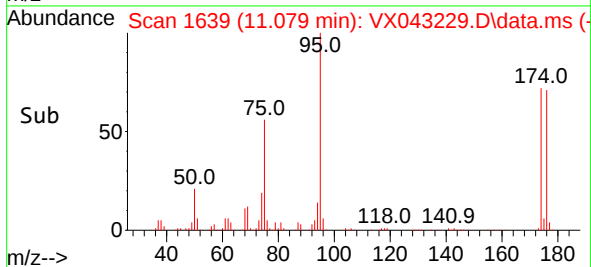
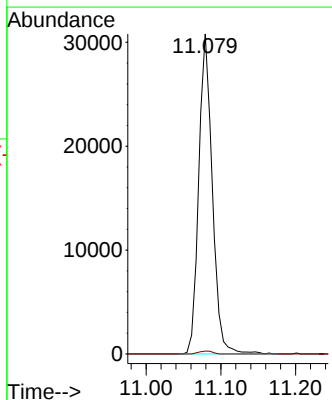
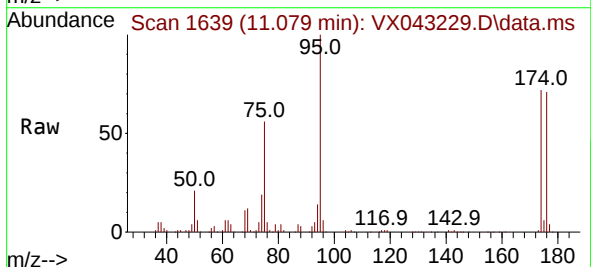


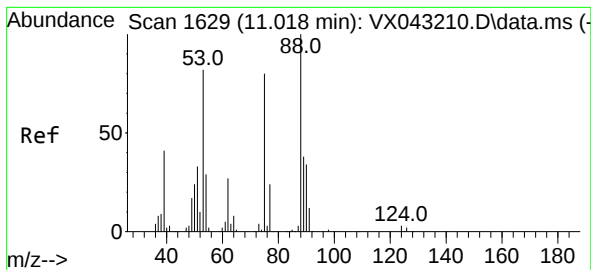
Tgt Ion:	43	Resp:	20210
Ion	Ratio	Lower	Upper
43	100		
70	2.0	33.1	49.7#
55	5.0	18.6	27.8#
61	10.3	18.7	28.1#



#76
1,2,3-Trichloropropane
Concen: 28.218 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

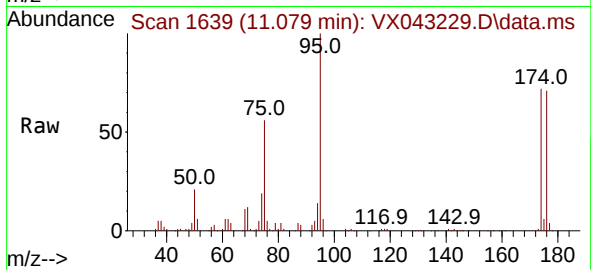
Tgt Ion:	75	Resp:	38807
Ion	Ratio	Lower	Upper
75	100		
77	0.9	22.0	66.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.130 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX043229.D
Acq: 02 Oct 2024 14:22

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 38807
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.0 38.6 58.0#

