

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043287.D
 Acq On : 04 Oct 2024 14:28
 Operator : JC/MD
 Sample : PB163882TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 23:31:00 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)

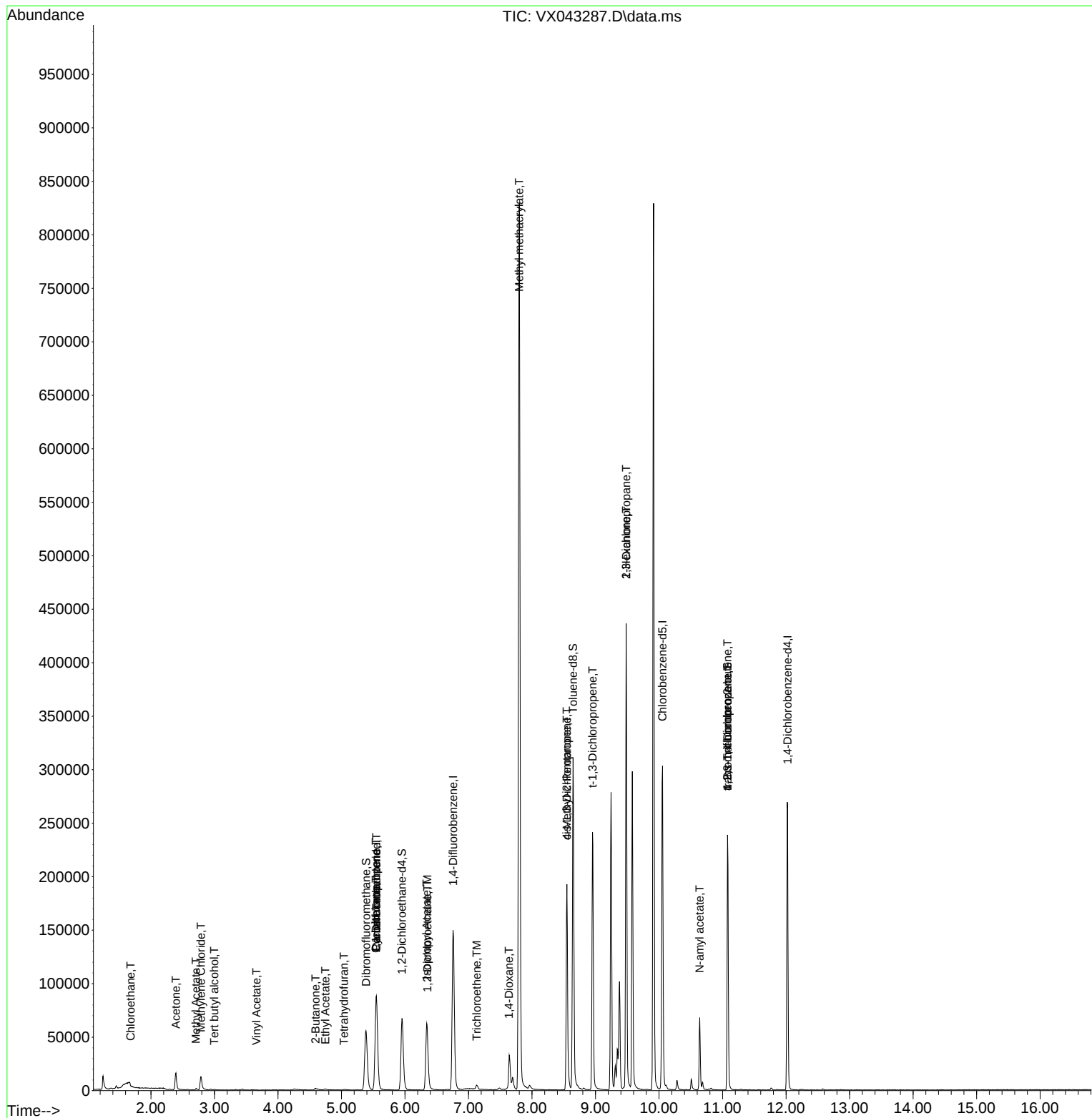
Internal Standards						
1) Pentafluorobenzene	5.550	168	79485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69089	53.223	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.440%			
35) Dibromofluoromethane	5.385	113	49577	47.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.280%			
50) Toluene-d8	8.647	98	180059	49.408	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.820%			
62) 4-Bromofluorobenzene	11.079	95	63362	47.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.720%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	115	0.324	ug/l #	42
11) Tert butyl alcohol	2.995	59	564	2.283	ug/l #	71
16) Acetone	2.392	43	19186	35.392	ug/l	98
18) Methyl Acetate	2.709	43	1469	1.080	ug/l	95
20) Methylene Chloride	2.788	84	6945	6.948	ug/l	96
23) Vinyl Acetate	3.660	43	45	6.353	ug/l #	71
25) 2-Butanone	4.593	43	3702	4.981	ug/l	98
29) Tetrahydrofuran	5.038	42	326	0.688	ug/l #	56
31) Cyclohexane	5.544	56	2072	1.479	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	7026	5.289	ug/l #	49
37) Ethyl Acetate	4.745	43	2413	1.512	ug/l #	77
38) Carbon Tetrachloride	5.550	117	8714	5.541	ug/l #	17
42) 1,2-Dichloroethane	6.355	62	334	0.203	ug/l #	77
43) Isopropyl Acetate	6.342	43	88216	33.477	ug/l	100
44) Trichloroethene	7.129	130	1530	1.432	ug/l	99
48) Methyl methacrylate	7.799	41	78058	60.372	ug/l #	45
49) 1,4-Dioxane	7.635	88	24	0.955	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	69364	43.340	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	491	0.317	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29896	18.013	ug/l #	61
57) 1,3-Dichloropropane	9.482	76	3602	2.108	ug/l #	43
59) 2-Hexanone	9.482	43	54056	44.664	ug/l #	53
74) N-amyl acetate	10.640	43	17037	8.342	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	34901	28.435	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	34901	73.693	ug/l #	8

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

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ClientSampleId :

Quant Time: Oct 04 23:31:00 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



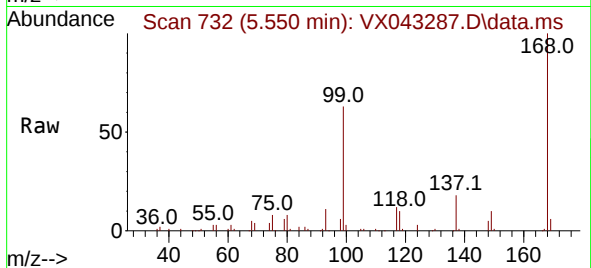


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

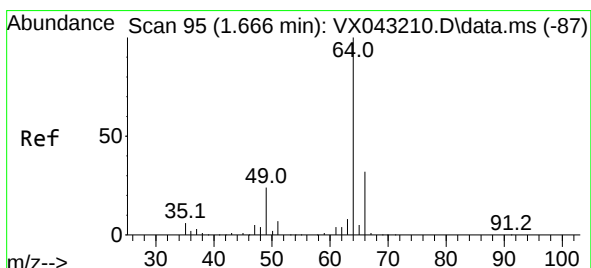
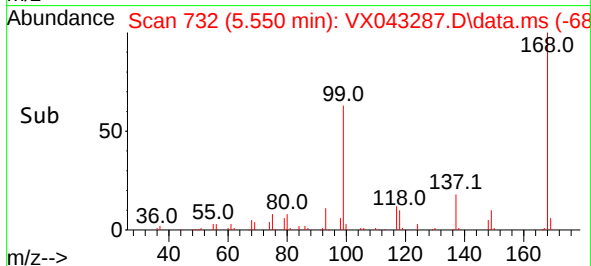
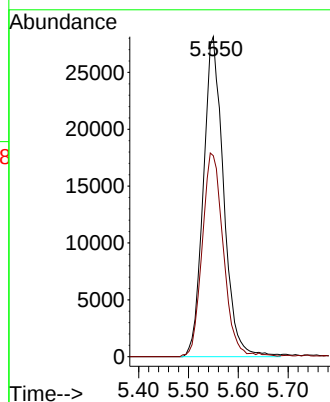
Instrument :

MSVOA_X

ClientSampleId :

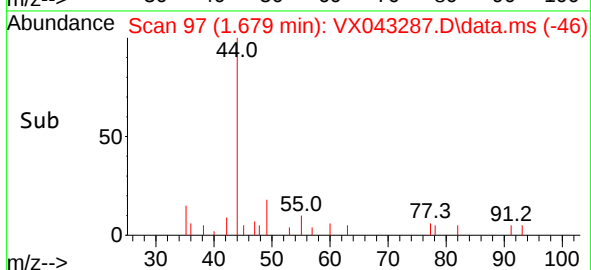
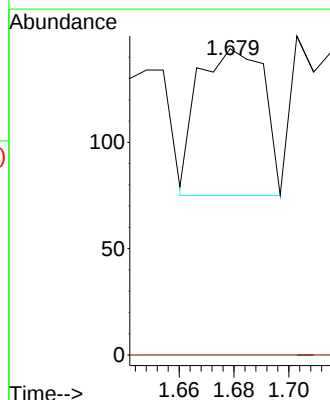
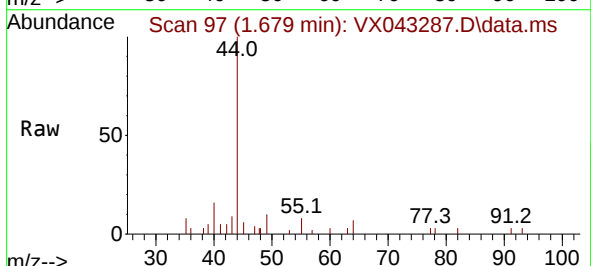


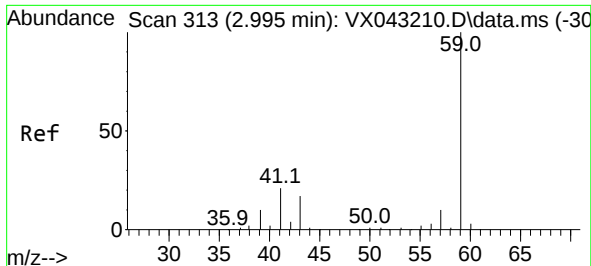
Tgt Ion:168 Resp: 79485
Ion Ratio Lower Upper
168 100
99 62.8 49.7 74.5



#6
Chloroethane
Concen: 0.324 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

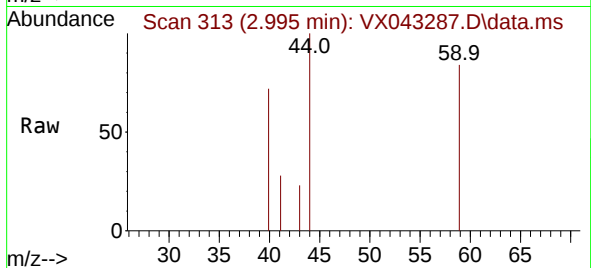
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 25.8 38.8#



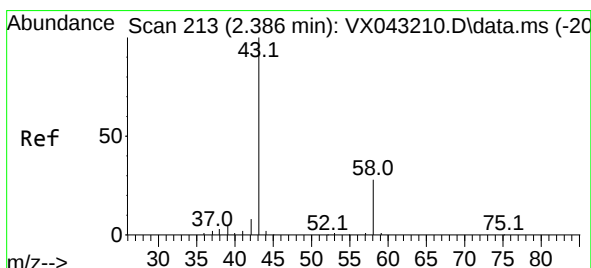
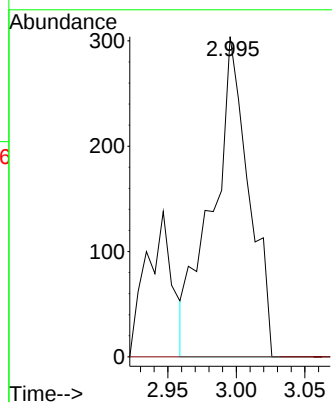
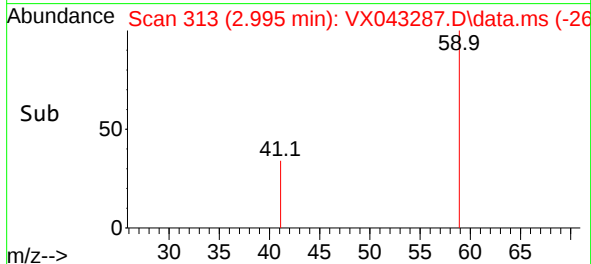


#11
Tert butyl alcohol
Concen: 2.283 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

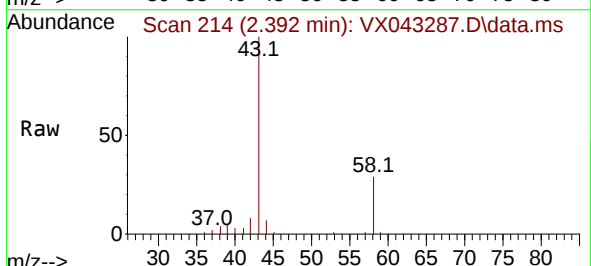
Instrument :
MSVOA_X
ClientSampleId :



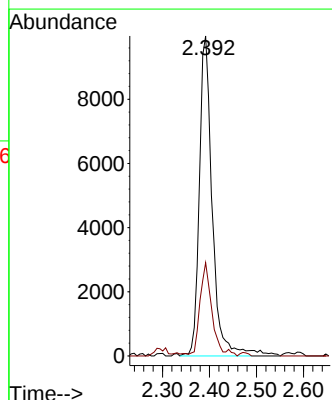
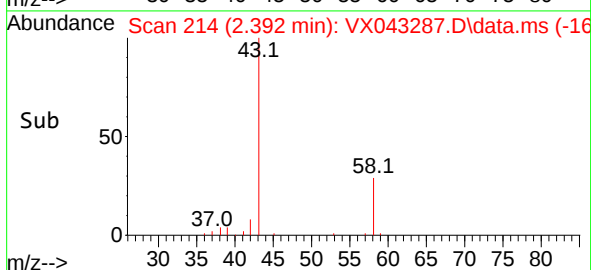
Tgt Ion: 59 Resp: 564
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

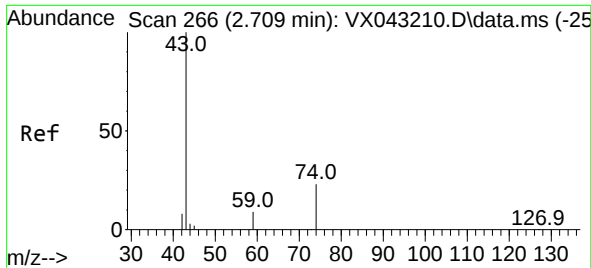


#16
Acetone
Concen: 35.392 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28



Tgt Ion: 43 Resp: 19186
Ion Ratio Lower Upper
43 100
58 29.1 22.6 33.8

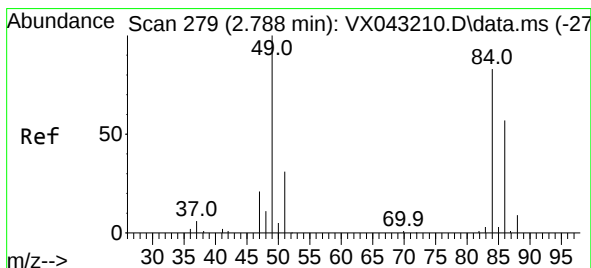
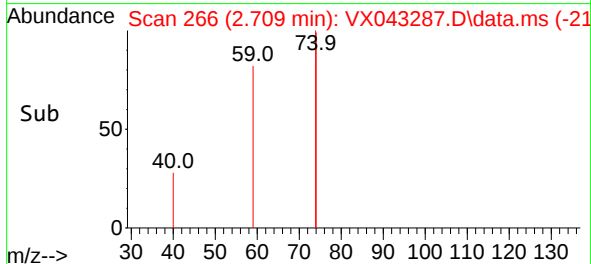
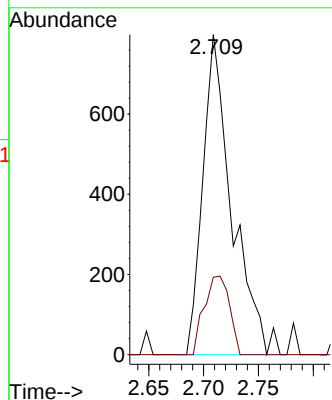
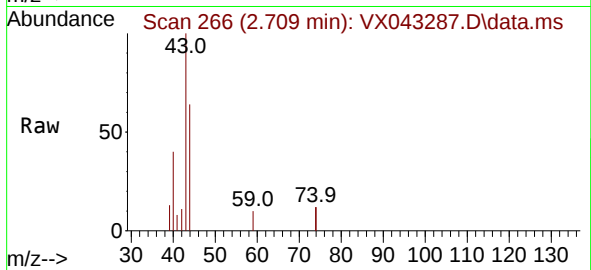




#18
Methyl Acetate
Concen: 1.080 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

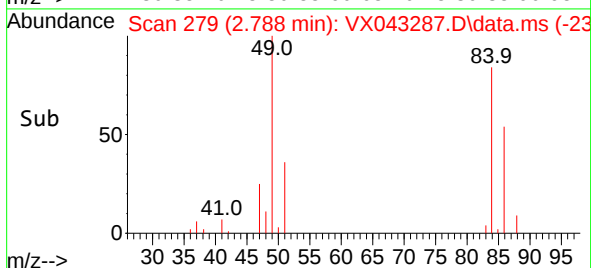
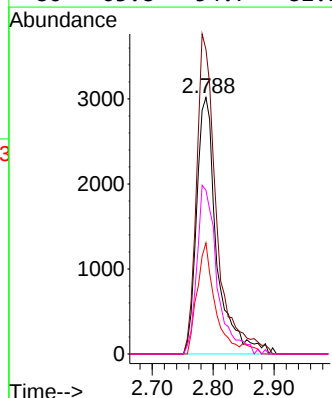
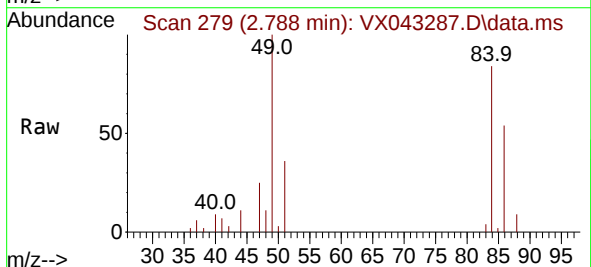
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 1469
Ion Ratio Lower Upper
43 100
74 21.2 19.1 28.7



#20
Methylene Chloride
Concen: 6.948 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Tgt Ion: 84 Resp: 6945
Ion Ratio Lower Upper
84 100
49 118.8 96.7 145.1
51 43.3 30.4 45.6
86 63.8 54.7 82.1

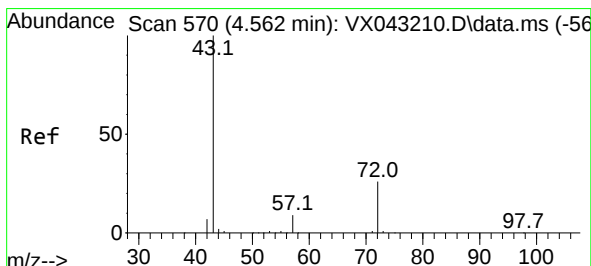
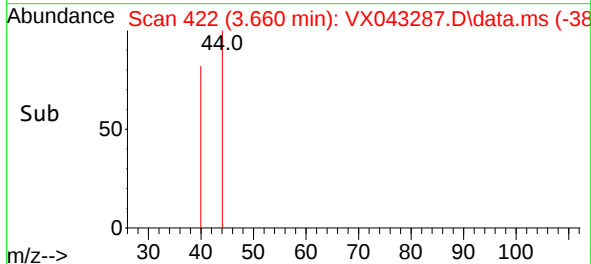
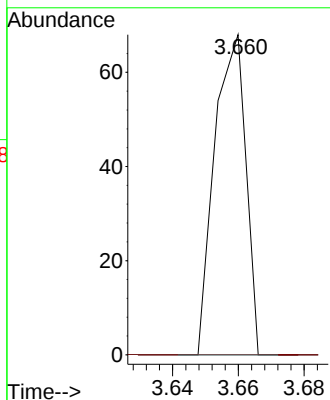
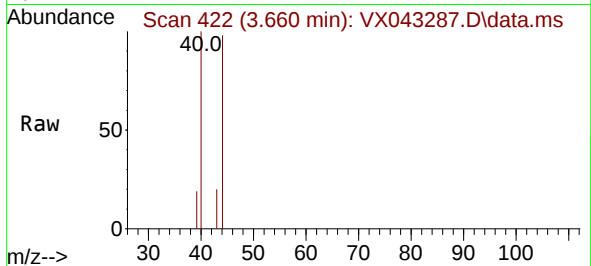




#23
 Vinyl Acetate
 Concen: 6.353 ug/l
 RT: 3.660 min Scan# 41
 Delta R.T. -0.061 min
 Lab File: VX043287.D
 Acq: 04 Oct 2024 14:28

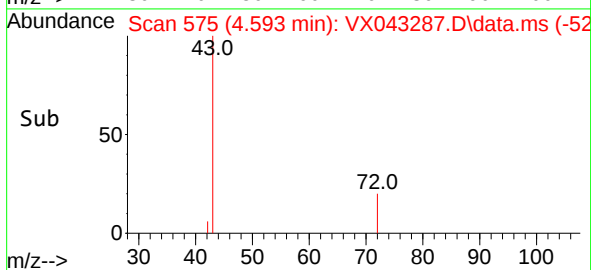
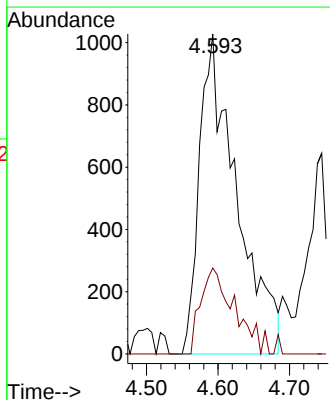
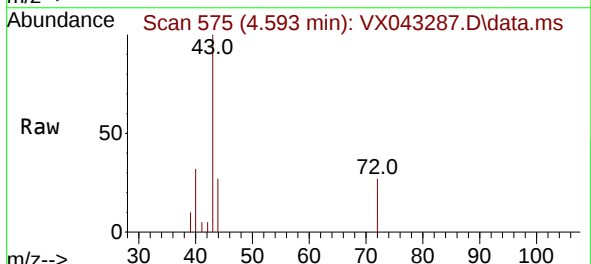
Instrument :
 MSVOA_X
 ClientSampleId :

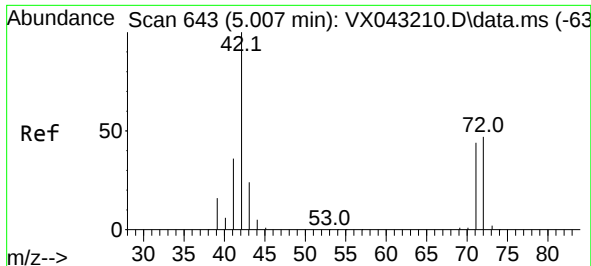
Tgt Ion: 43 Resp: 45
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.8 13.2#



#25
 2-Butanone
 Concen: 4.981 ug/l
 RT: 4.593 min Scan# 575
 Delta R.T. 0.031 min
 Lab File: VX043287.D
 Acq: 04 Oct 2024 14:28

Tgt Ion: 43 Resp: 3702
 Ion Ratio Lower Upper
 43 100
 72 26.8 20.6 31.0





#29

Tetrahydrofuran

Concen: 0.688 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX043287.D

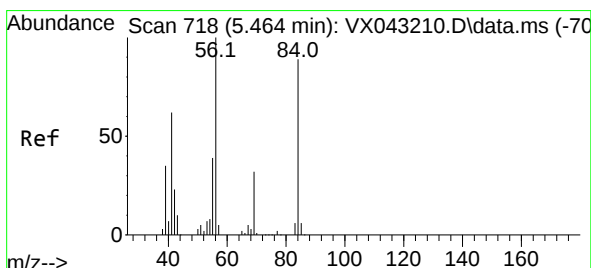
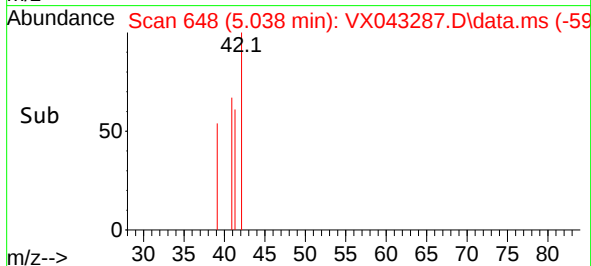
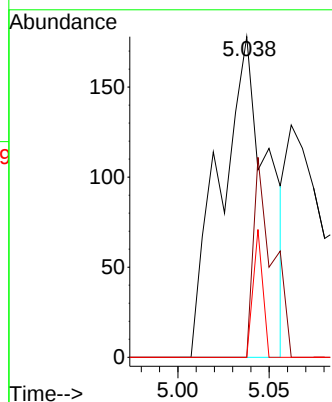
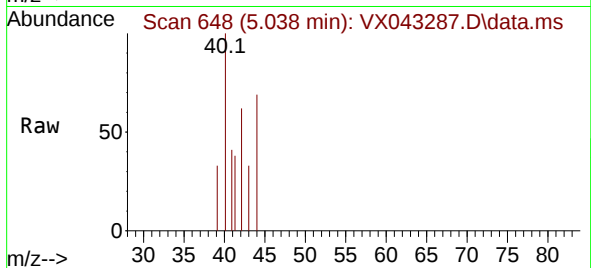
Acq: 04 Oct 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 326
Ion Ratio	Lower Upper
42	100
72	24.5 37.7 56.5#
71	8.0 34.6 52.0#



#31

Cyclohexane

Concen: 1.479 ug/l

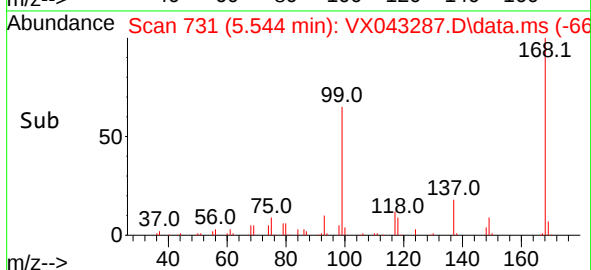
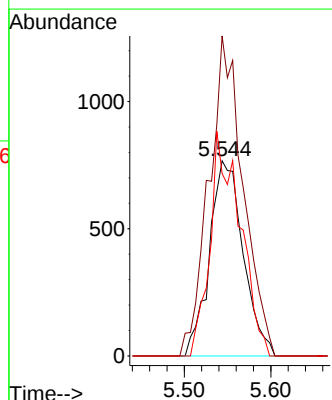
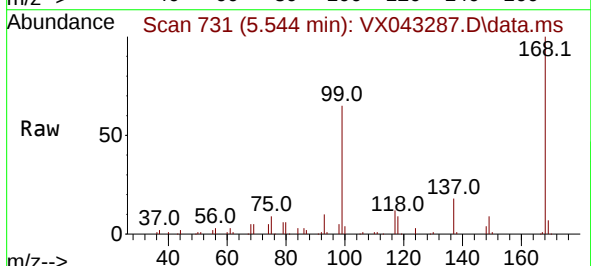
RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Tgt Ion: 56	Resp: 2072
Ion Ratio	Lower Upper
56	100
69	164.0 25.8 38.6#
84	93.5 71.1 106.7





#33

1,2-Dichloroethane-d4

Concen: 53.223 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Instrument :

MSVOA_X

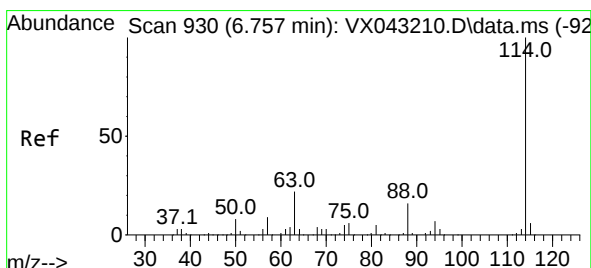
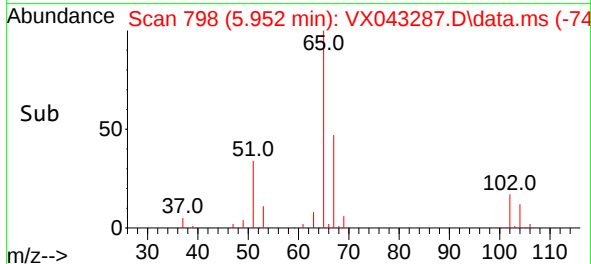
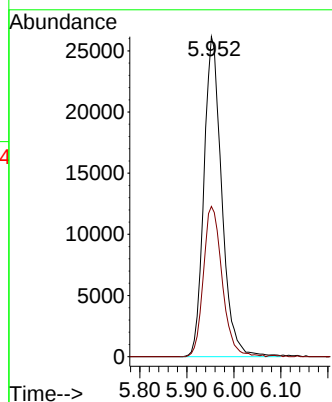
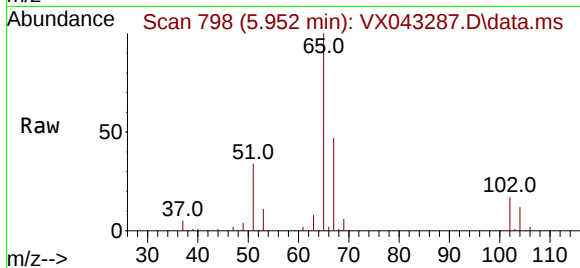
ClientSampleId :

Tgt Ion: 65 Resp: 69089

Ion Ratio Lower Upper

65 100

67 49.3 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: VX043287.D

Acq: 04 Oct 2024 14:28

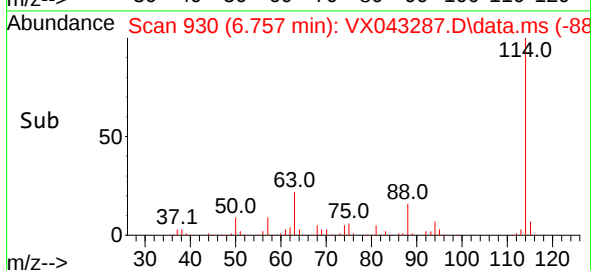
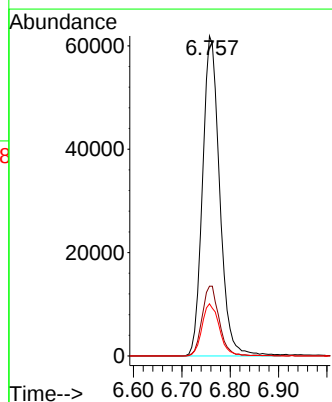
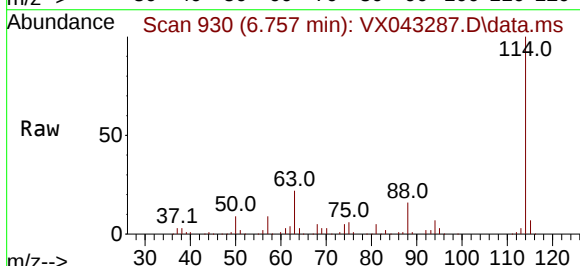
Tgt Ion: 114 Resp: 152487

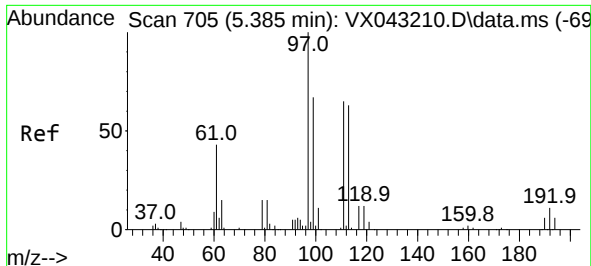
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

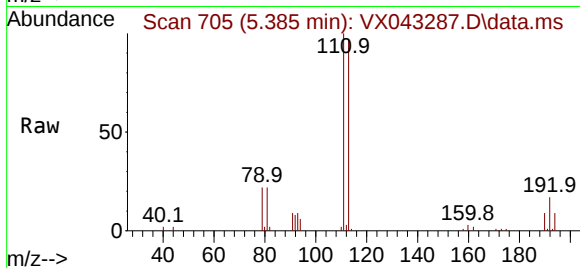
88 16.3 0.0 33.0



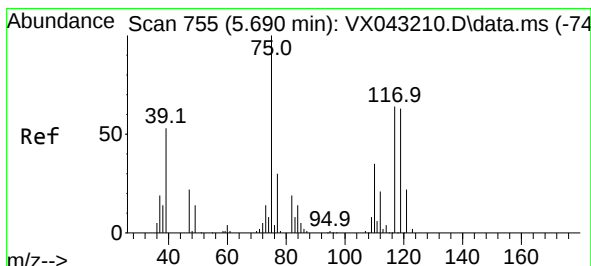
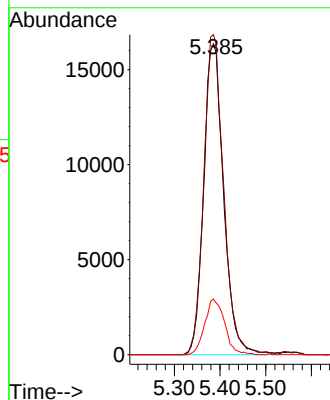
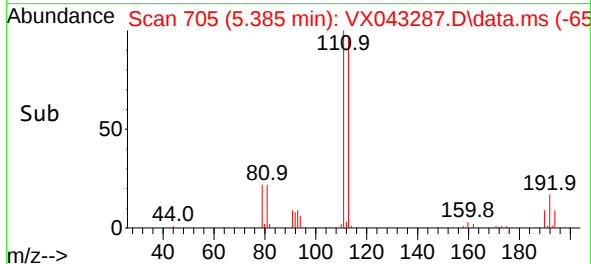


#35
Dibromofluoromethane
Concen: 47.144 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Instrument :
MSVOA_X
ClientSampleId :

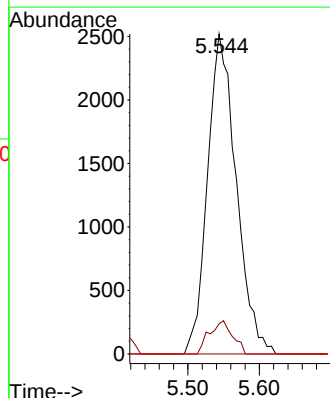
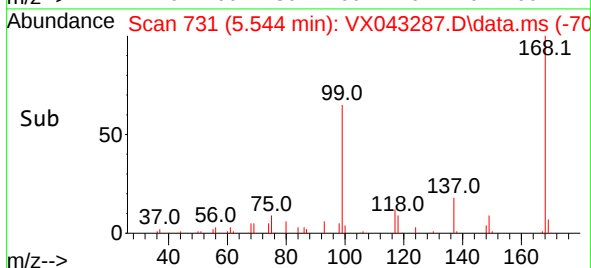
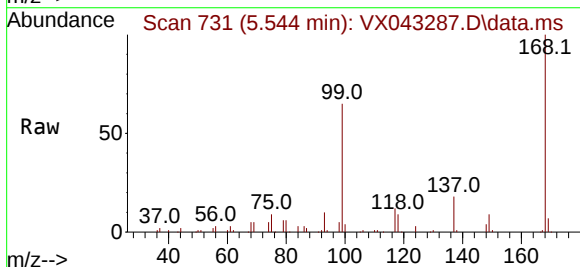


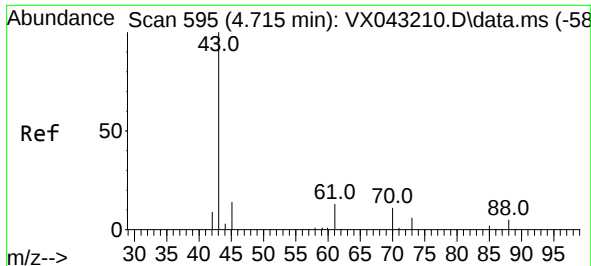
Tgt Ion:113 Resp: 49577
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 17.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.289 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Tgt Ion: 75 Resp: 7026
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.512 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.030 min

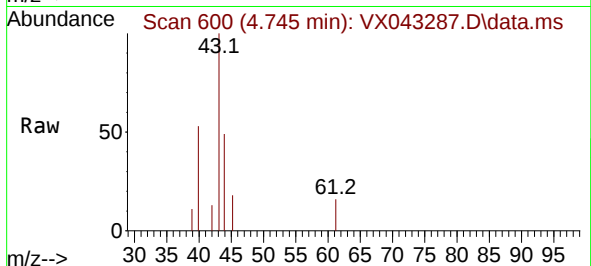
Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

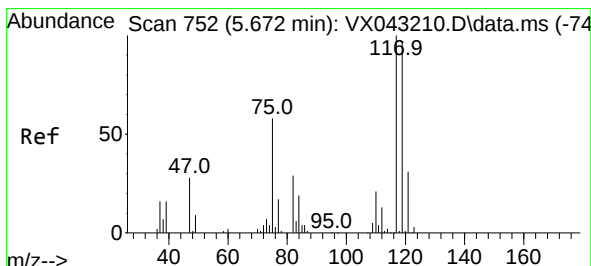
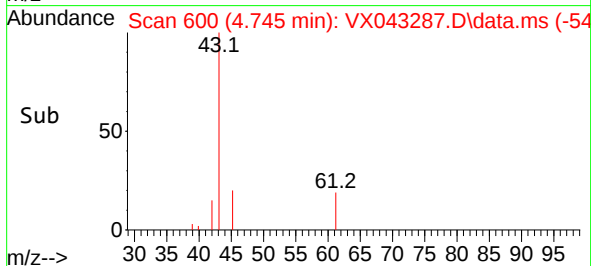
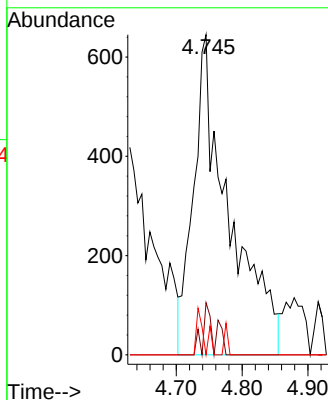
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	61	70
Ratio	100	3.6	3.1
Lower		11.0	8.9
Upper		16.4#	13.3#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

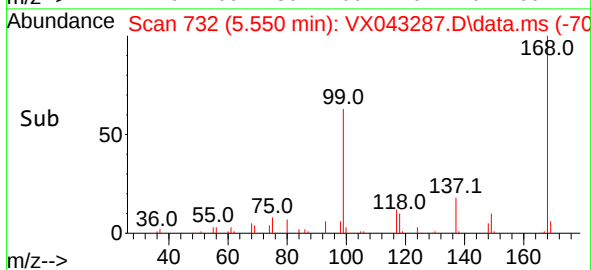
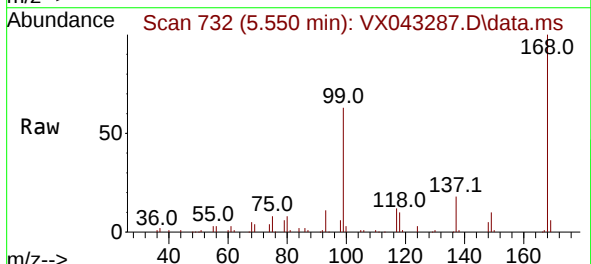
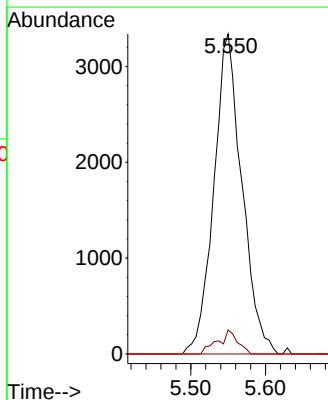
RT: 5.550 min Scan# 732

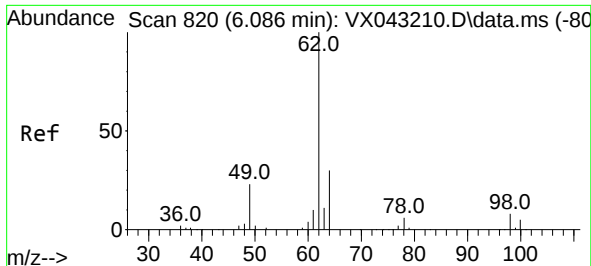
Delta R.T. -0.122 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Tgt Ion:	117	119	121
Ratio	100	7.5	0.0
Lower		77.7	24.3
Upper		116.5#	36.5#





#42

1,2-Dichloroethane

Concen: 0.203 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.268 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Instrument :

MSVOA_X

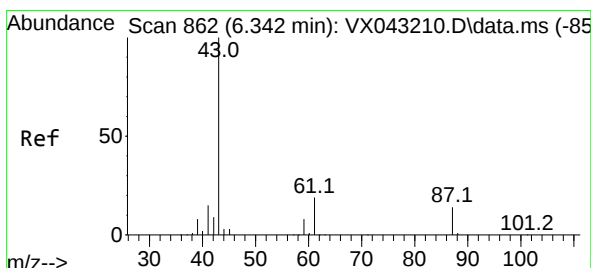
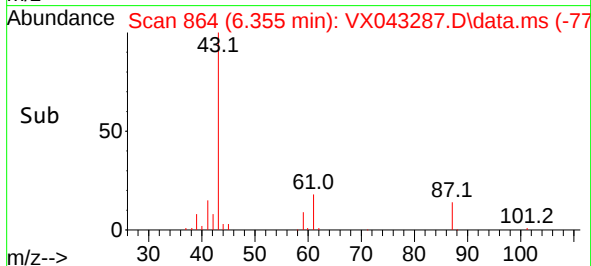
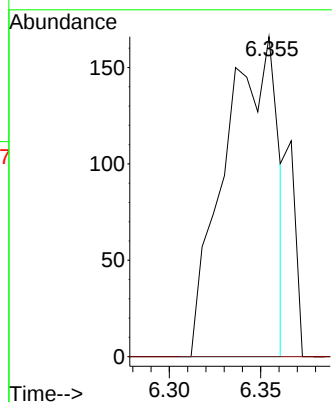
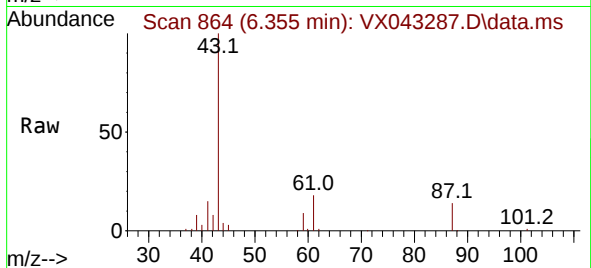
ClientSampleId :

Tgt Ion: 62 Resp: 334

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#43

Isopropyl Acetate

Concen: 33.477 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

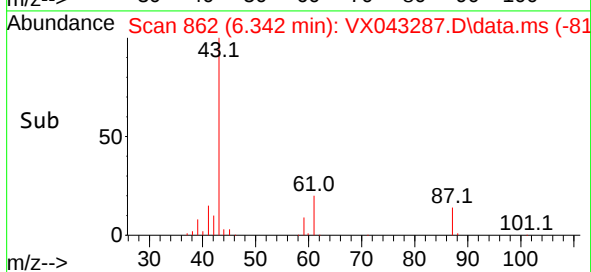
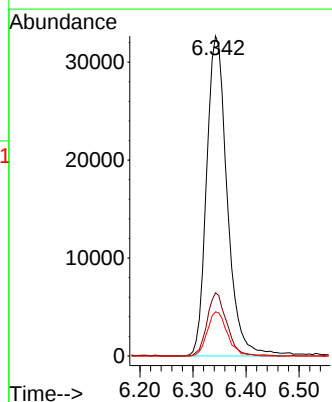
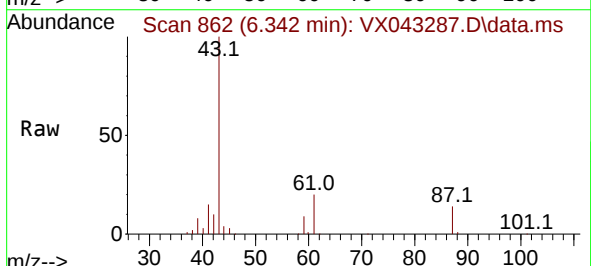
Tgt Ion: 43 Resp: 88216

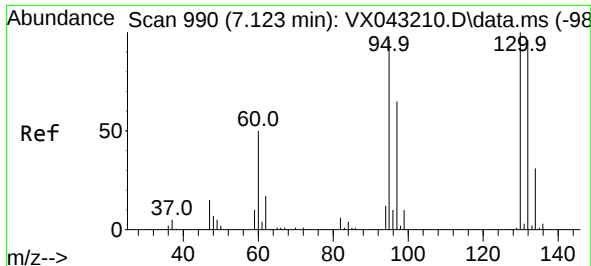
Ion Ratio Lower Upper

43 100

61 18.7 15.1 22.7

87 13.4 10.8 16.2

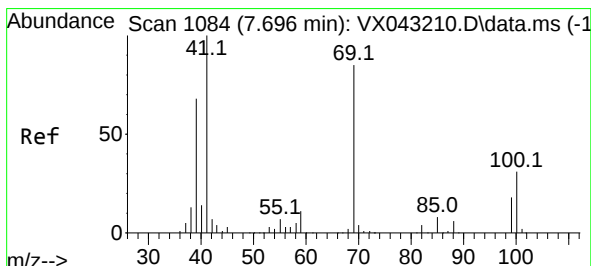
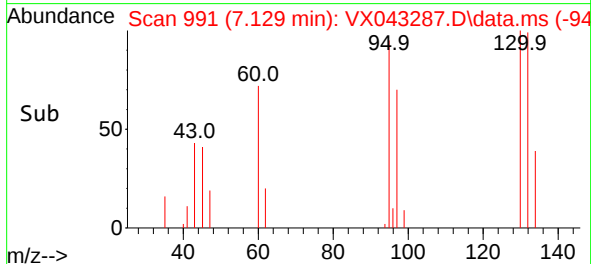
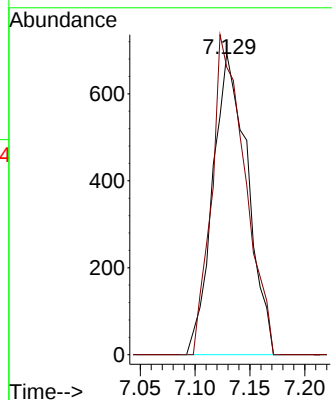
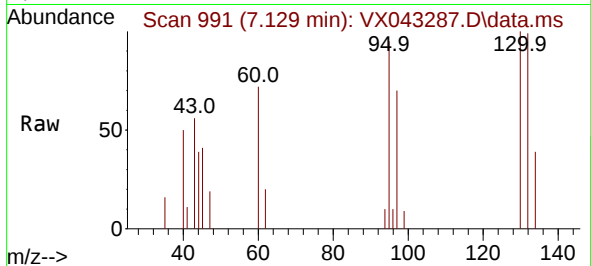




#44
Trichloroethene
Concen: 1.432 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

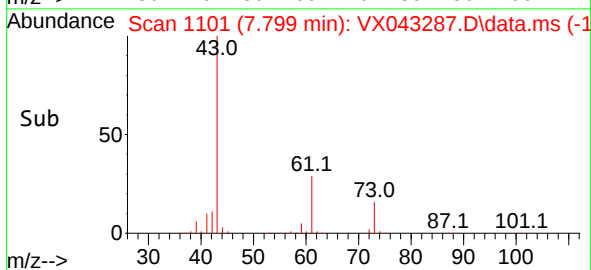
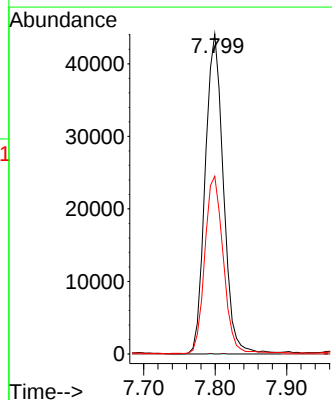
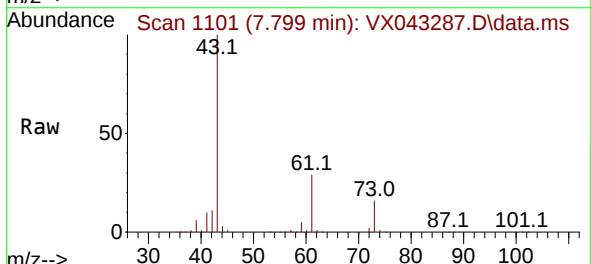
Instrument :
MSVOA_X
ClientSampleId :

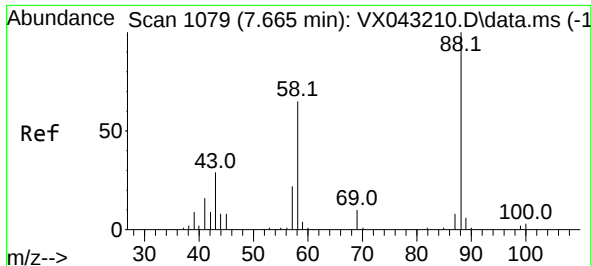
Tgt Ion:130 Resp: 1530
Ion Ratio Lower Upper
130 100
95 95.4 0.0 192.2



#48
Methyl methacrylate
Concen: 60.372 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Tgt Ion: 41 Resp: 78058
Ion Ratio Lower Upper
41 100
69 0.0 64.1 96.1#
39 56.8 52.8 79.2





#49

1,4-Dioxane

Concen: 0.955 ug/l

RT: 7.635 min Scan# 1079

Delta R.T. -0.030 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

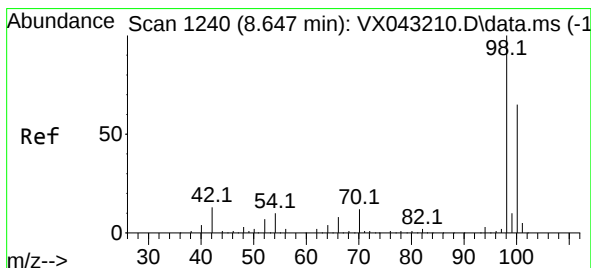
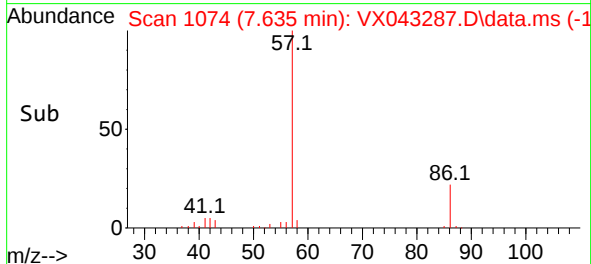
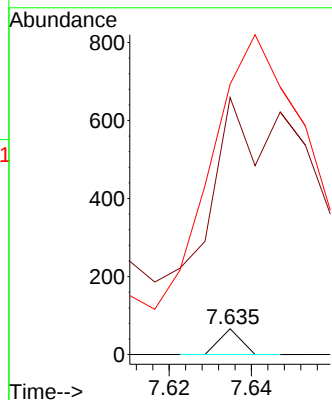
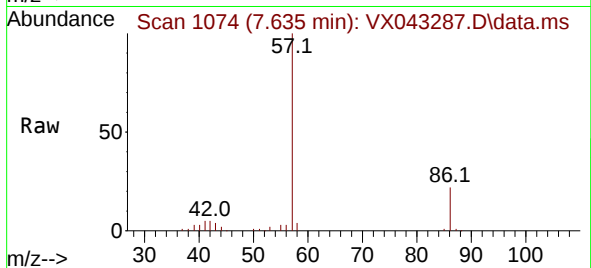
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 24

Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.5	44.3#
58	8004.2	55.2	82.8#



#50

Toluene-d8

Concen: 49.408 ug/l

RT: 8.647 min Scan# 1240

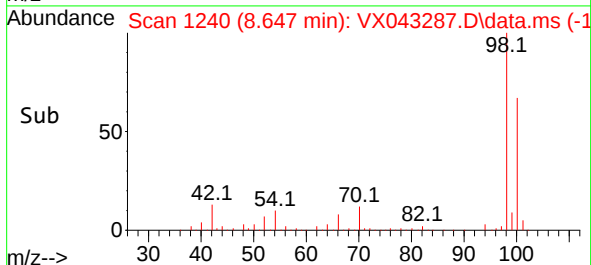
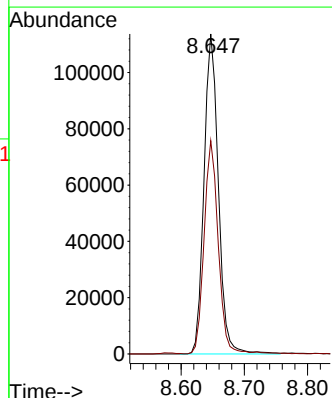
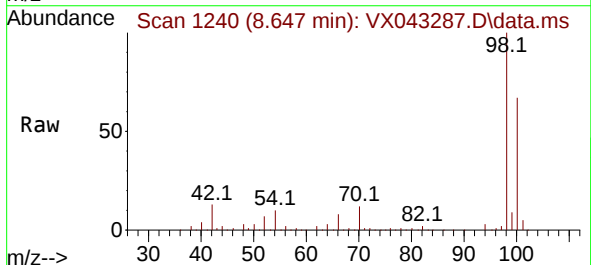
Delta R.T. 0.000 min

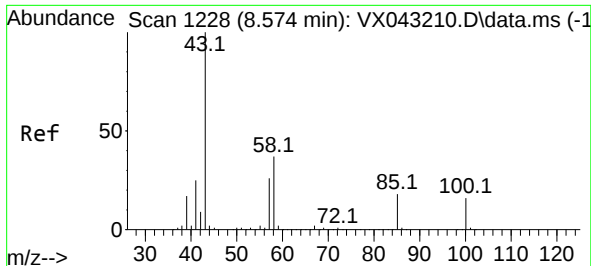
Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Tgt Ion: 98 Resp: 180059

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6

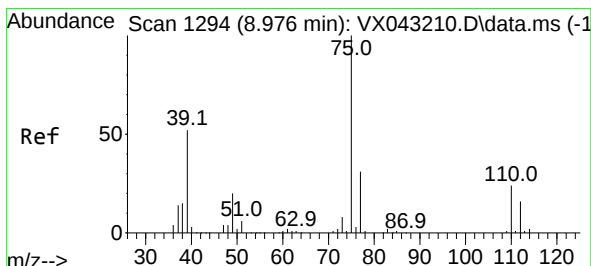
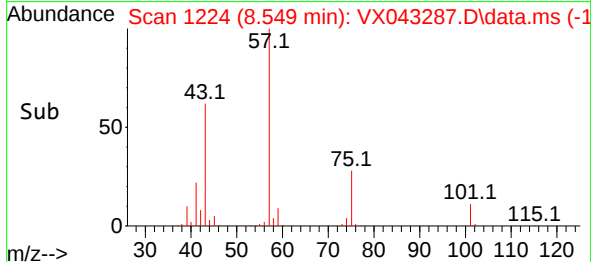
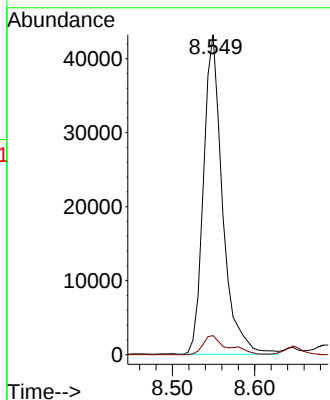
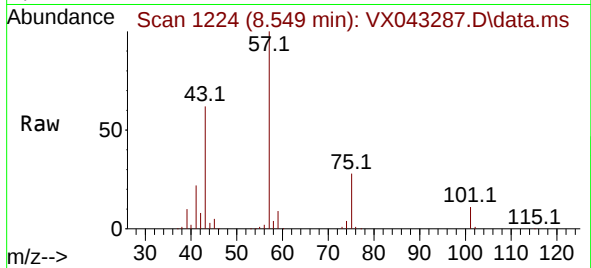




#51
4-Methyl-2-Pentanone
Concen: 43.340 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

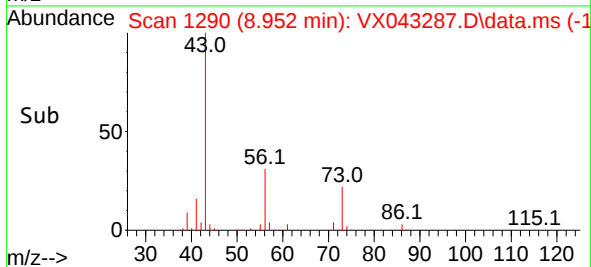
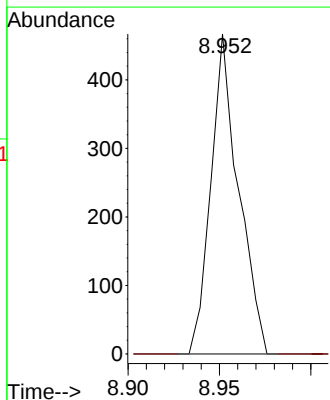
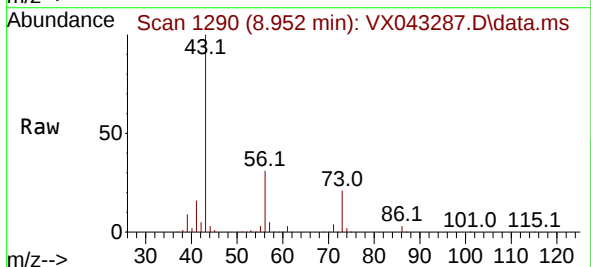
Instrument :
MSVOA_X
ClientSampleId :

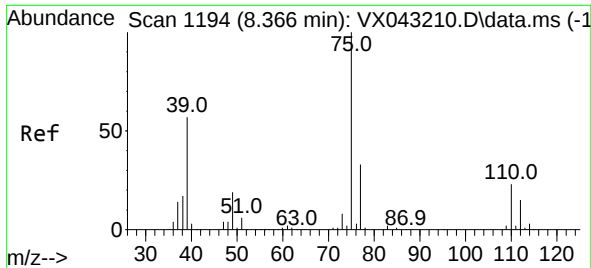
Tgt Ion: 43 Resp: 69364
Ion Ratio Lower Upper
43 100
58 7.7 30.0 45.0#



#53
t-1,3-Dichloropropene
Concen: 0.317 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Tgt Ion: 75 Resp: 491
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

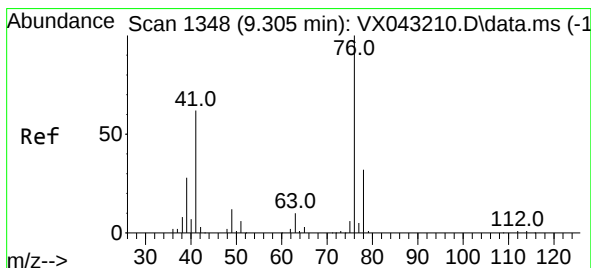
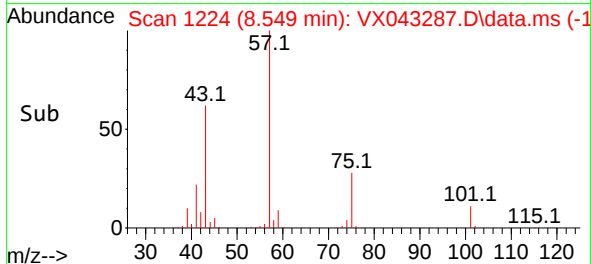
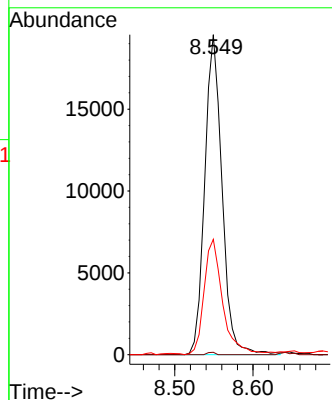
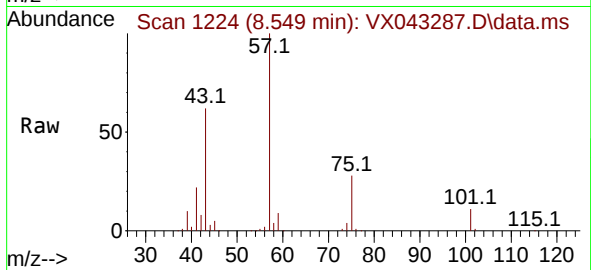




#54
 cis-1,3-Dichloropropene
 Concen: 18.013 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX043287.D
 Acq: 04 Oct 2024 14:28

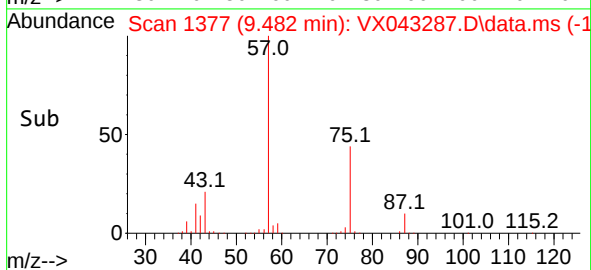
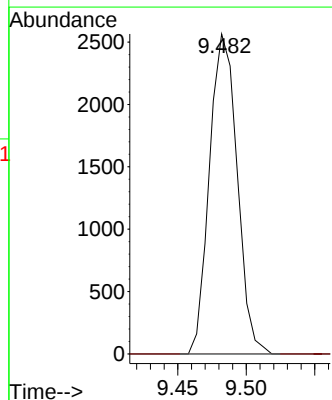
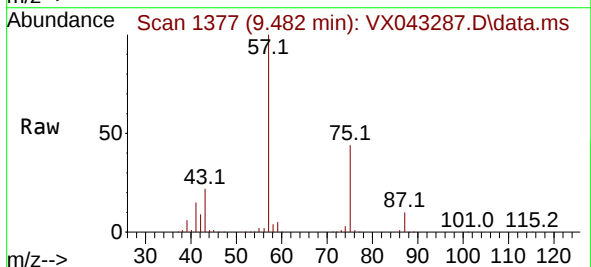
Instrument :
 MSVOA_X
 ClientSampleId :

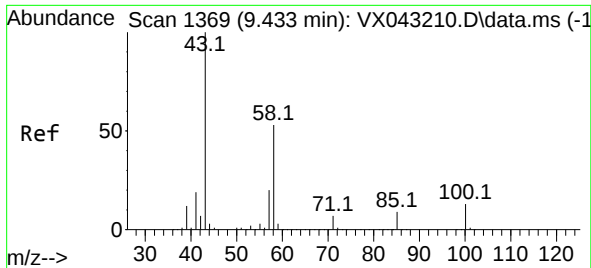
Tgt Ion: 75 Resp: 29896
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.0 39.0#
 39 35.7 45.8 68.8#



#57
 1,3-Dichloropropane
 Concen: 2.108 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX043287.D
 Acq: 04 Oct 2024 14:28

Tgt Ion: 76 Resp: 3602
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

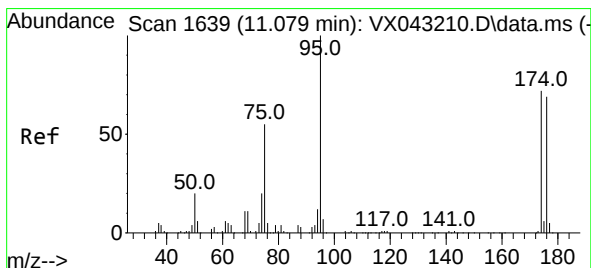
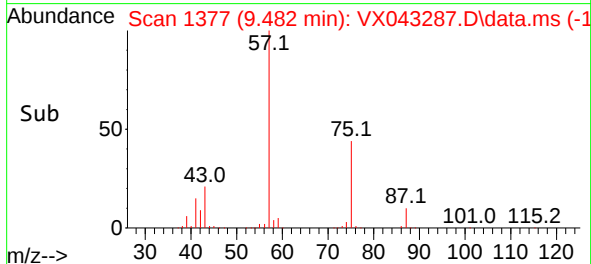
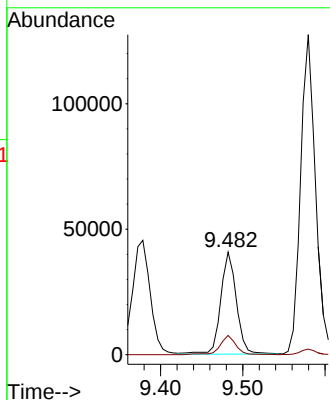
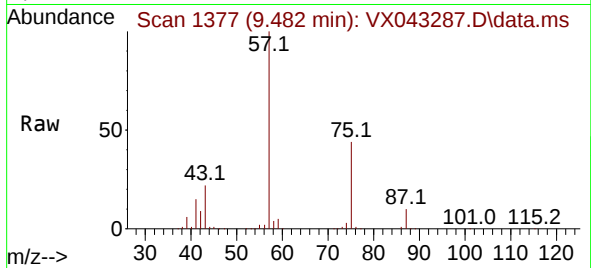




#59
2-Hexanone
Concen: 44.664 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

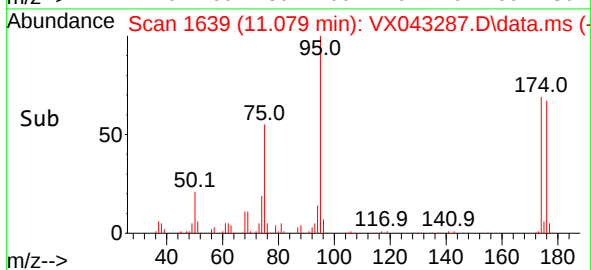
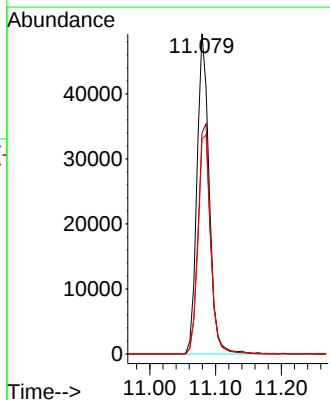
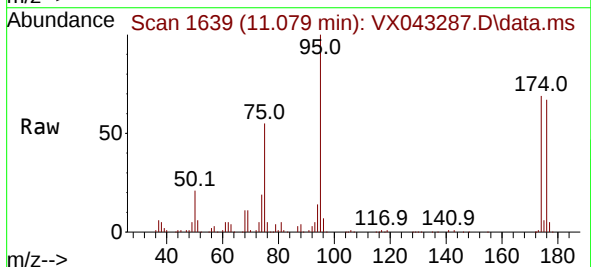
Instrument :
MSVOA_X
ClientSampleId :

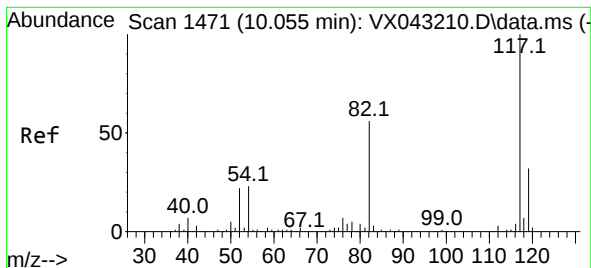
Tgt Ion: 43 Resp: 54056
Ion Ratio Lower Upper
43 100
58 19.1 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 47.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043287.D
Acq: 04 Oct 2024 14:28

Tgt Ion: 95 Resp: 63362
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.0
176 70.7 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: VX043287.D

Acq: 04 Oct 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :

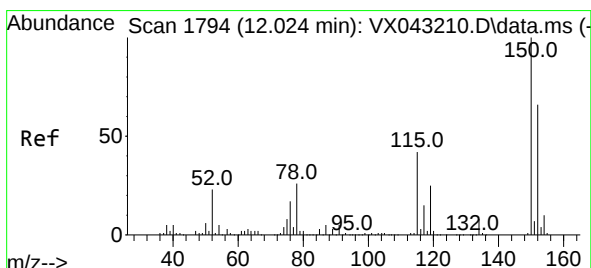
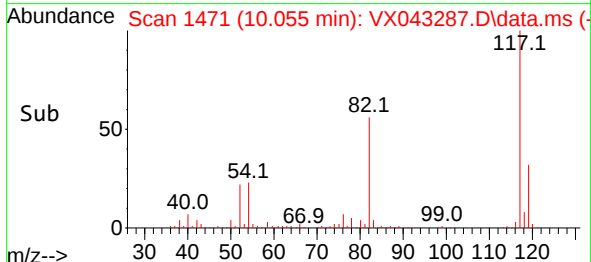
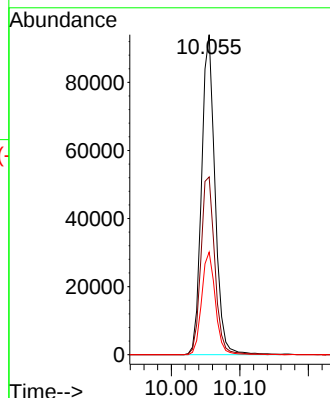
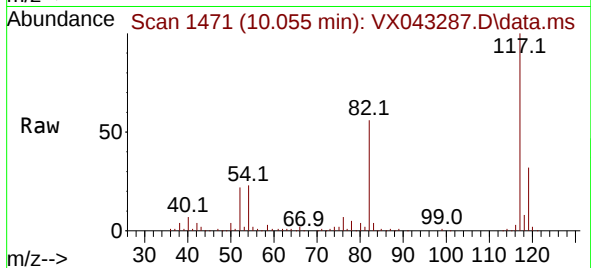
Tgt Ion:117 Resp: 128682

Ion Ratio Lower Upper

117 100

82 55.6 45.0 67.6

119 32.1 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: VX043287.D

Acq: 04 Oct 2024 14:28

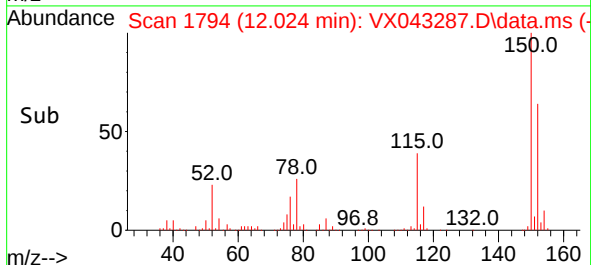
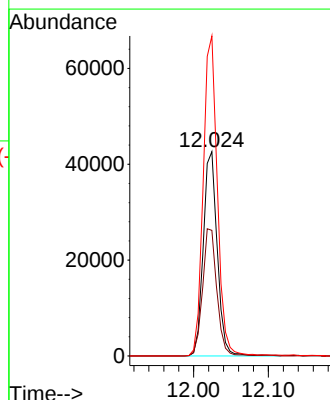
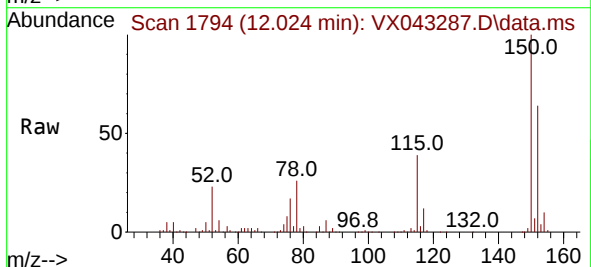
Tgt Ion:152 Resp: 55336

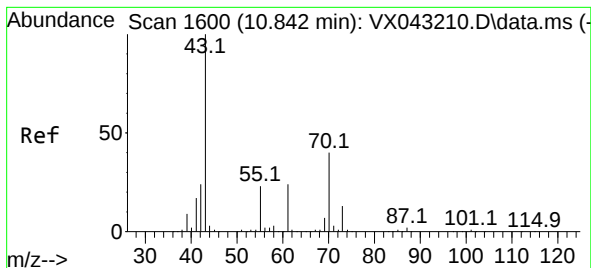
Ion Ratio Lower Upper

152 100

115 63.4 44.1 132.3

150 158.6 0.0 347.4





#74

N-amy1 acetate

Concen: 8.342 ug/l

RT: 10.640 min Scan# 1637

Delta R.T. -0.201 min

Lab File: VX043287.D

Acq: 04 Oct 2024 14:28

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 17037

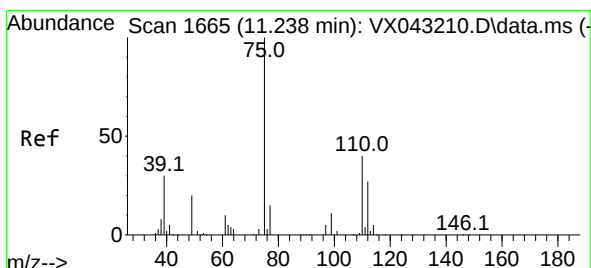
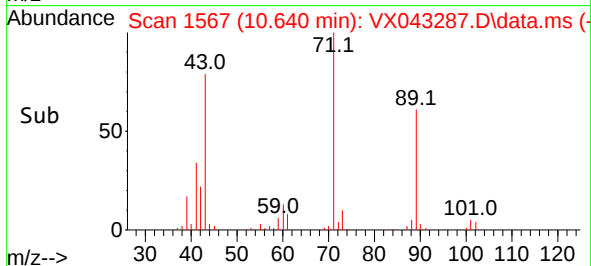
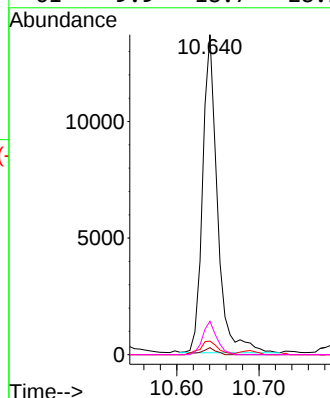
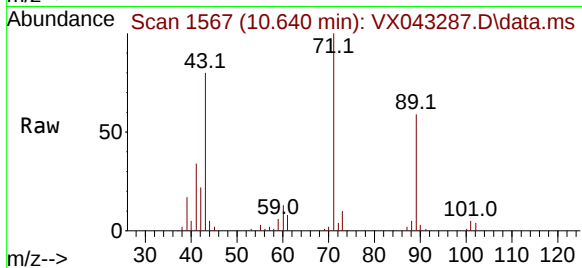
Ion Ratio Lower Upper

43 100

70 2.1 33.1 49.7#

55 5.2 18.6 27.8#

61 9.9 18.7 28.1#



#76

1,2,3-Trichloropropane

Concen: 28.435 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043287.D

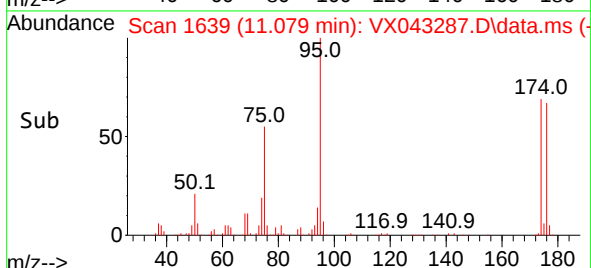
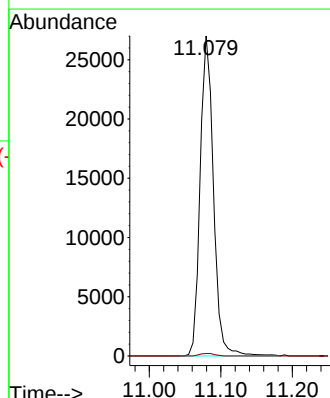
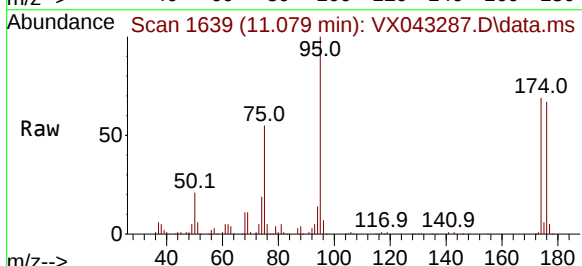
Acq: 04 Oct 2024 14:28

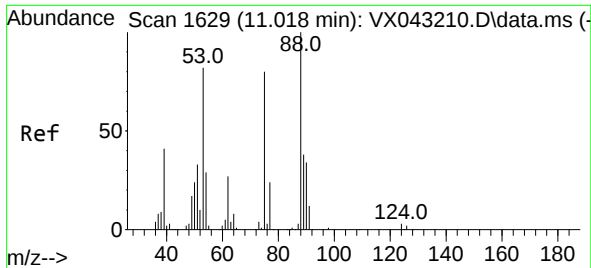
Tgt Ion: 75 Resp: 34901

Ion Ratio Lower Upper

75 100

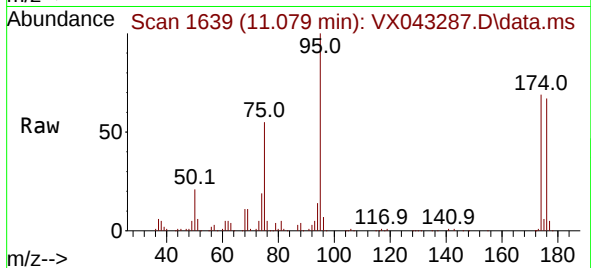
77 0.9 22.0 66.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.693 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043287.D
 Acq: 04 Oct 2024 14:28

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34901
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.9 125.9#
 89 0.1 38.6 58.0#

