

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100424\
 Data File : VX043289.D
 Acq On : 04 Oct 2024 15:15
 Operator : JC/MD
 Sample : P4276-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 04 23:31:58 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

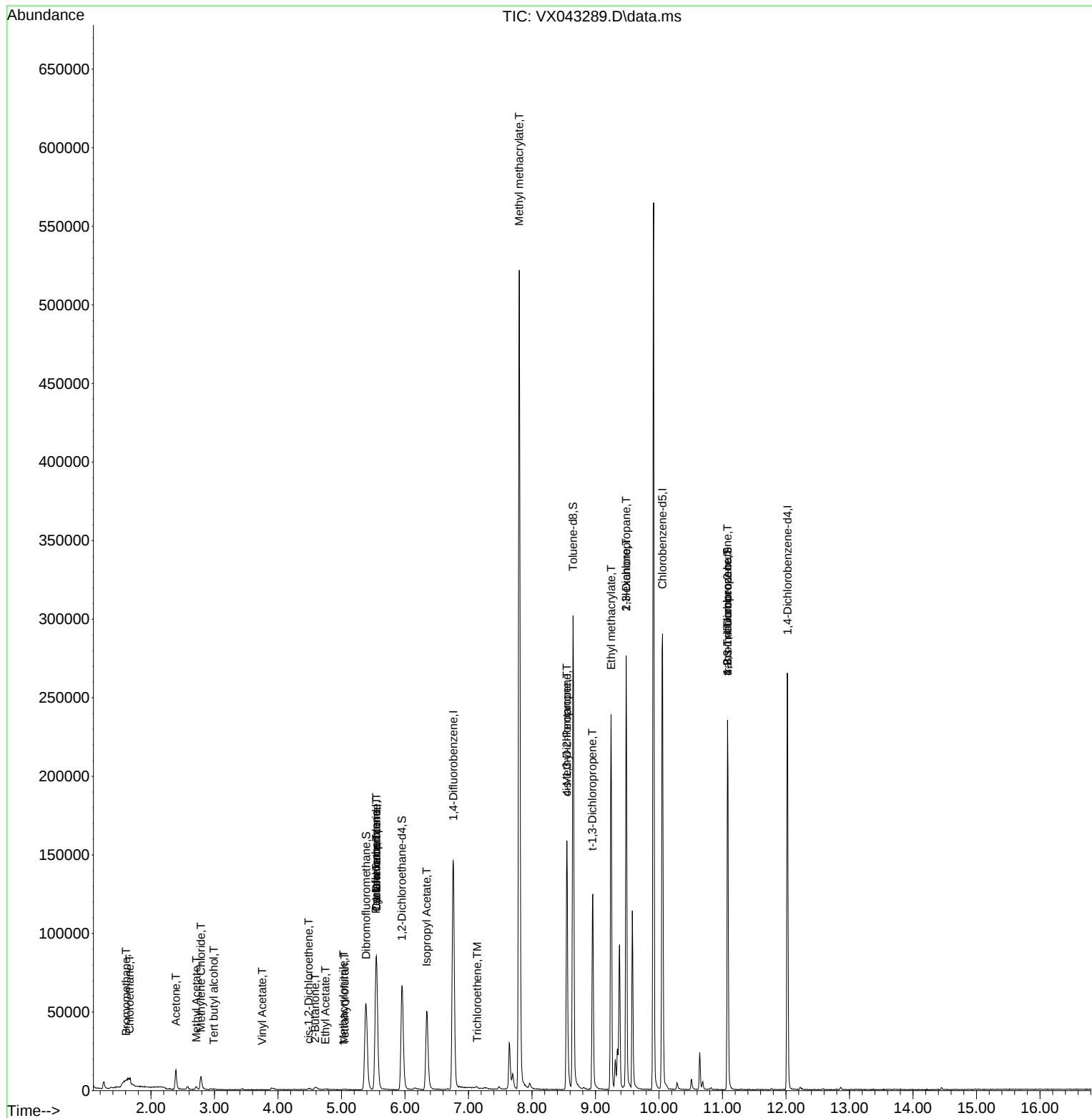
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	77761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	149745	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68696	54.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.180%	
35) Dibromofluoromethane	5.385	113	48506	46.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 93.940%	
50) Toluene-d8	8.647	98	177466	49.588	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.180%	
62) 4-Bromofluorobenzene	11.079	95	62925	48.398	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.800%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	96	0.252	ug/l #	2
6) Chloroethane	1.666	64	219	0.630	ug/l #	81
11) Tert butyl alcohol	2.989	59	598	2.474	ug/l #	71
16) Acetone	2.392	43	13831	26.079	ug/l	95
18) Methyl Acetate	2.715	43	2795	2.101	ug/l	91
20) Methylene Chloride	2.788	84	4526	4.629	ug/l #	89
23) Vinyl Acetate	3.751	43	19	6.345	ug/l #	71
25) 2-Butanone	4.587	43	4099	5.637	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	341	0.318	ug/l	48
29) Tetrahydrofuran	5.050	42	482	1.040	ug/l #	31
31) Cyclohexane	5.550	56	1920	1.401	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	6799	5.211	ug/l #	49
37) Ethyl Acetate	4.745	43	986	0.629	ug/l #	75
38) Carbon Tetrachloride	5.550	117	8746	5.663	ug/l #	16
41) Methacrylonitrile	5.032	41	250	0.307	ug/l #	46
43) Isopropyl Acetate	6.342	43	71699	27.707	ug/l	99
44) Trichloroethene	7.135	130	447	0.426	ug/l	70
48) Methyl methacrylate	7.799	41	48943	38.547	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	58817	37.423	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	306	0.201	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25498	15.644	ug/l #	58
56) Ethyl methacrylate	9.244	69	525	0.326	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2167	1.291	ug/l #	43
59) 2-Hexanone	9.482	43	35327	29.723	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	34563	28.807	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	34563	74.657	ug/l #	8

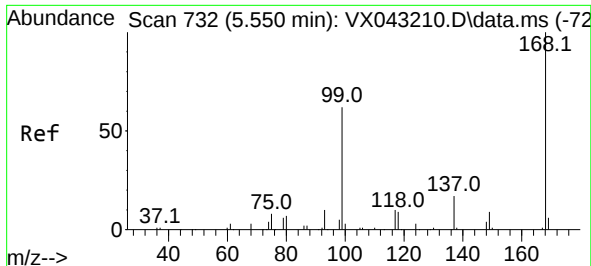
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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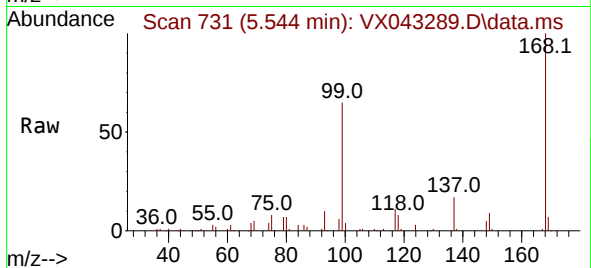
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100124W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 16:50:57 2024
Response via : Initial Calibration



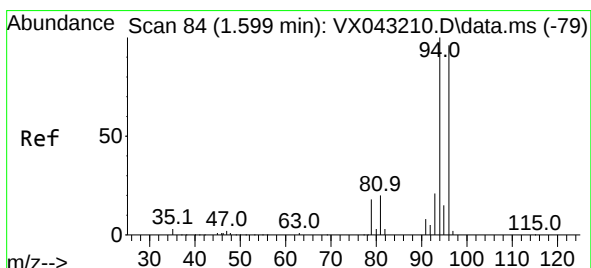
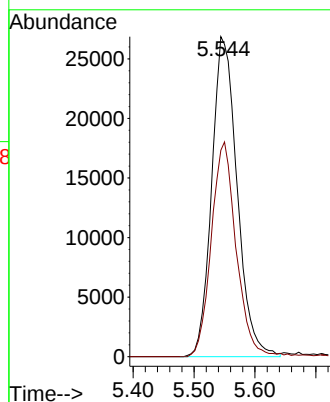
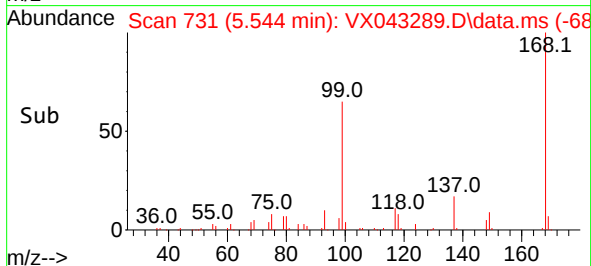


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :

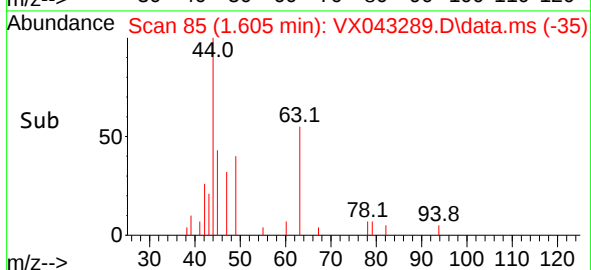
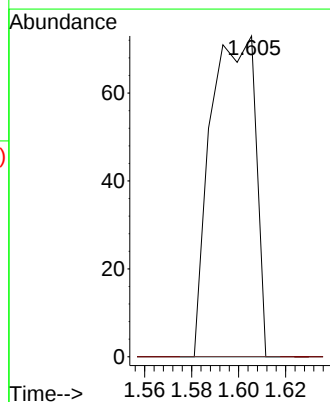
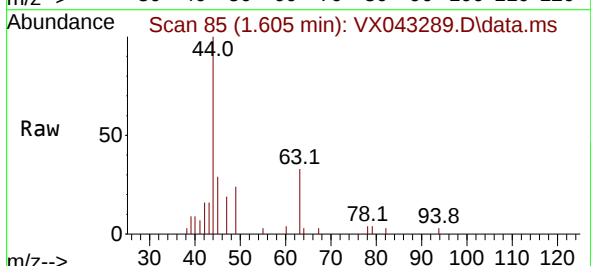


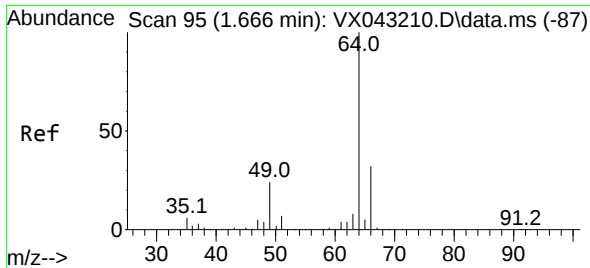
Tgt Ion:168 Resp: 77761
Ion Ratio Lower Upper
168 100
99 64.5 49.7 74.5



#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 94 Resp: 96
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#

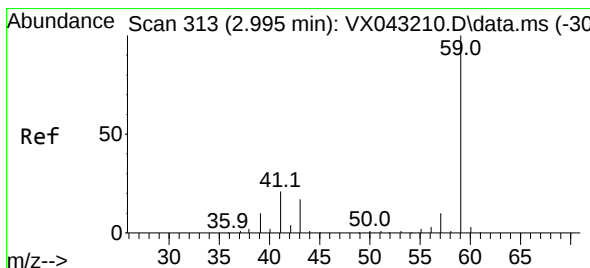
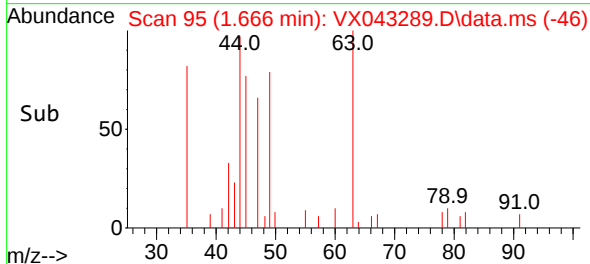
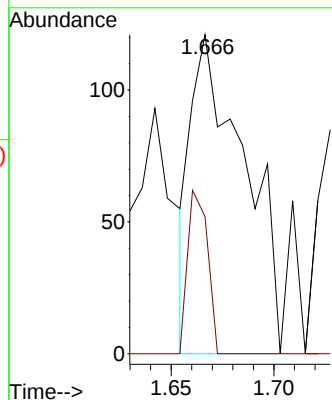
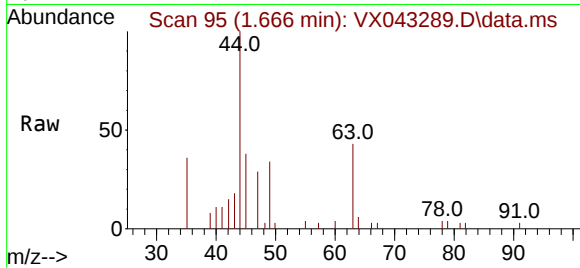




#6
Chloroethane
Concen: 0.630 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

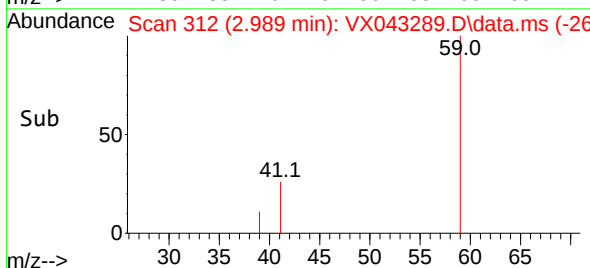
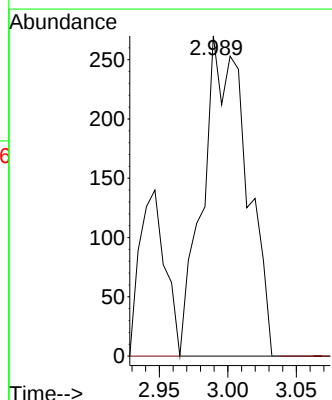
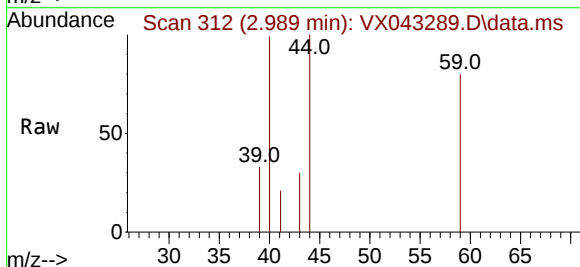
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 43.0 25.8 38.8#



#11
Tert butyl alcohol
Concen: 2.474 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

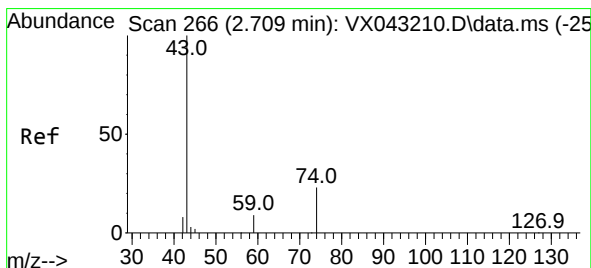
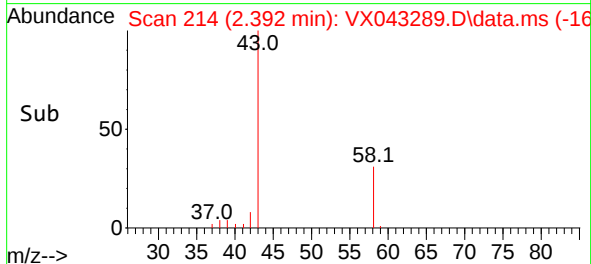
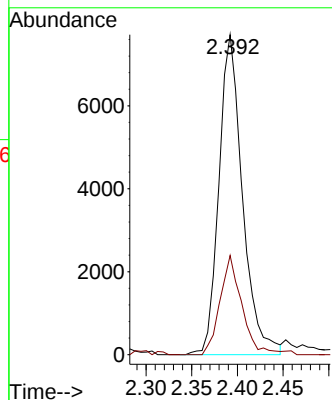
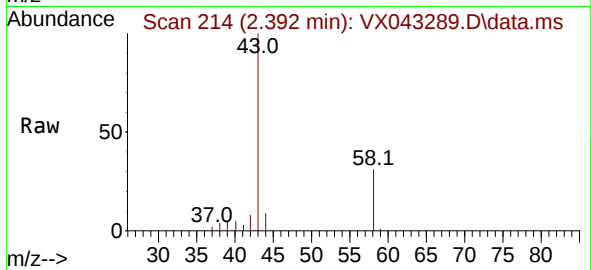




#16
Acetone
Concen: 26.079 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

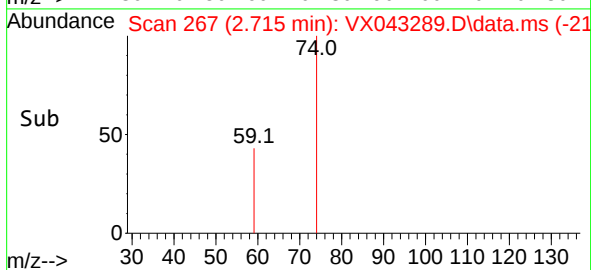
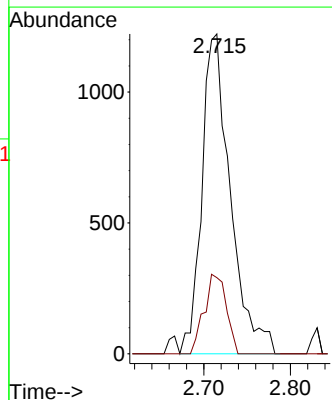
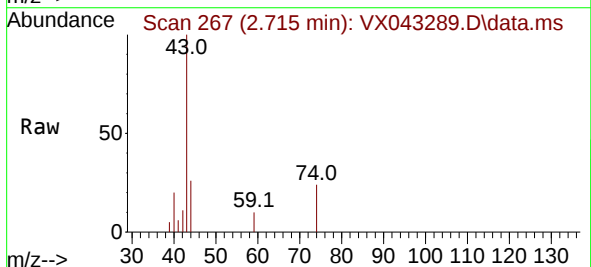
Instrument :
MSVOA_X
ClientSampleId :

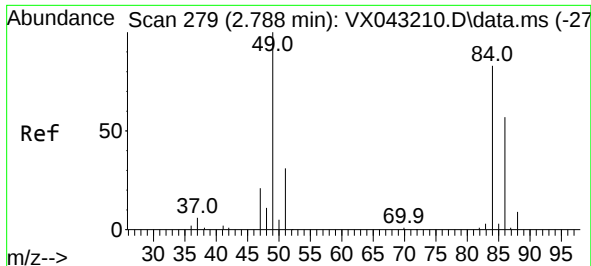
Tgt Ion: 43 Resp: 13831
Ion Ratio Lower Upper
43 100
58 31.0 22.6 33.8



#18
Methyl Acetate
Concen: 2.101 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

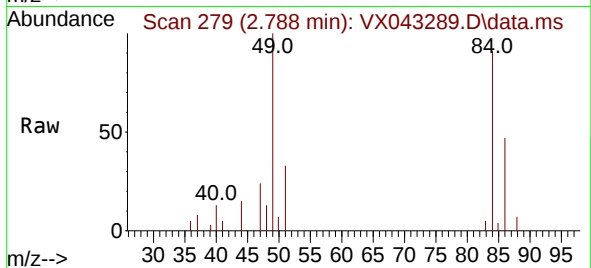
Tgt Ion: 43 Resp: 2795
Ion Ratio Lower Upper
43 100
74 19.2 19.1 28.7



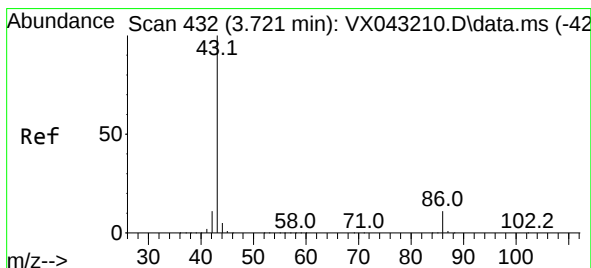
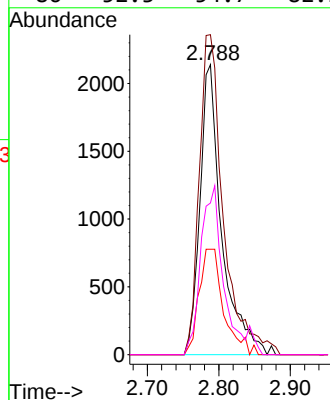
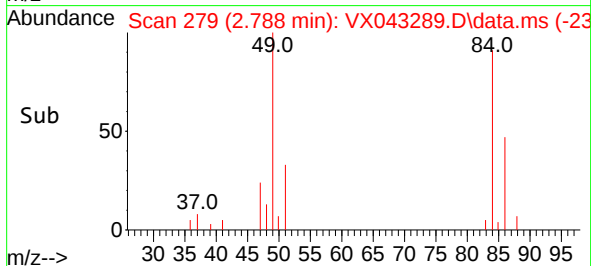


#20
Methylene Chloride
Concen: 4.629 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :

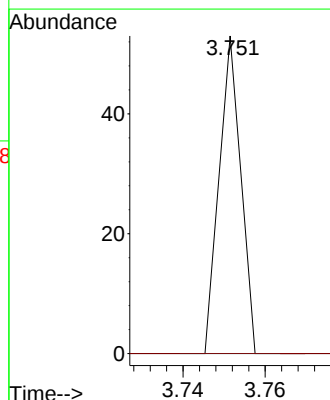
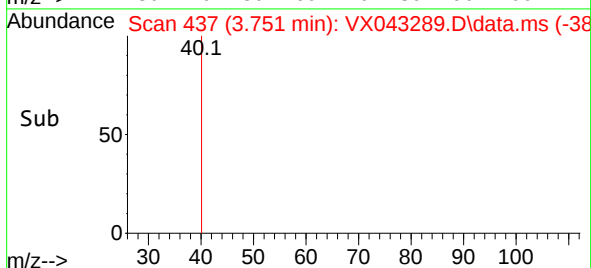
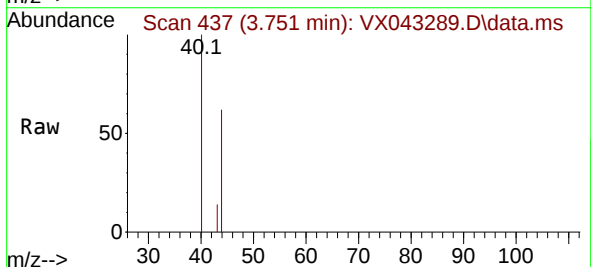


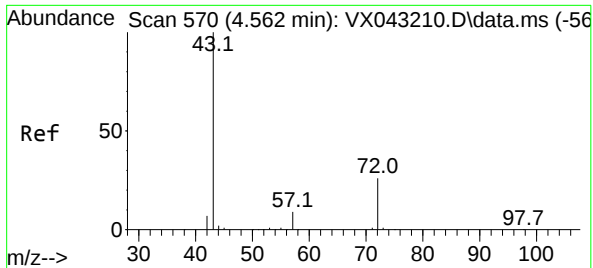
Tgt Ion:	84	Resp:	4526
Ion	Ratio	Lower	Upper
84	100		
49	110.3	96.7	145.1
51	36.4	30.4	45.6
86	52.3	54.7	82.1#



#23
Vinyl Acetate
Concen: 6.345 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.030 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion:	43	Resp:	19
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

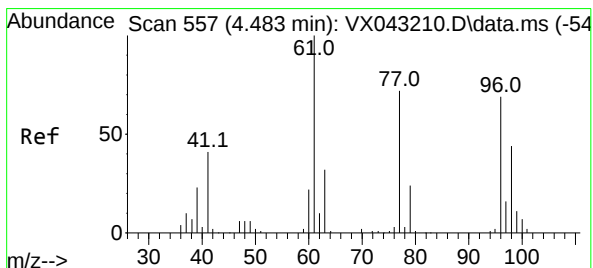
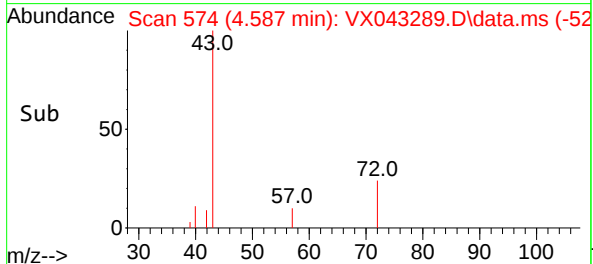
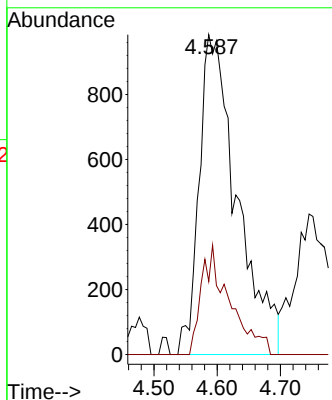
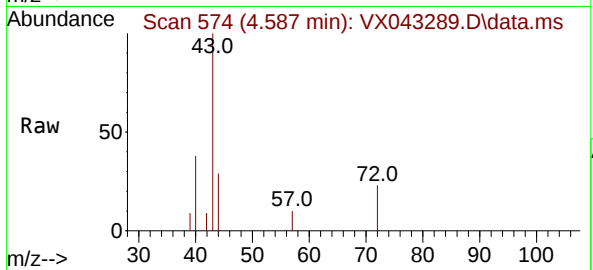




#25
2-Butanone
Concen: 5.637 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

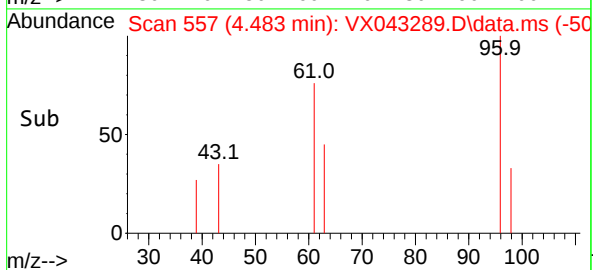
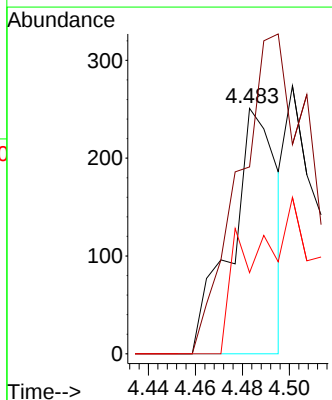
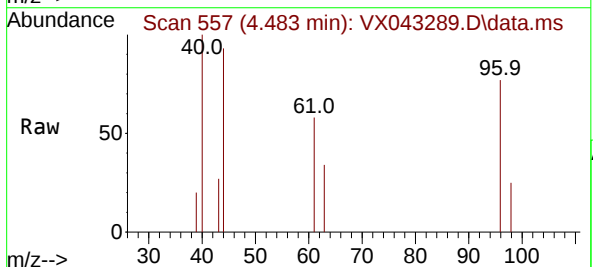
Instrument :
MSVOA_X
ClientSampleId :

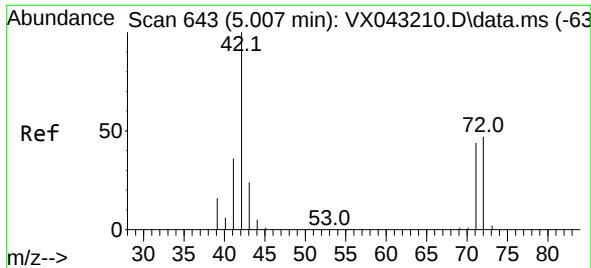
Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
72 22.9 20.6 31.0



#27
cis-1,2-Dichloroethene
Concen: 0.318 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

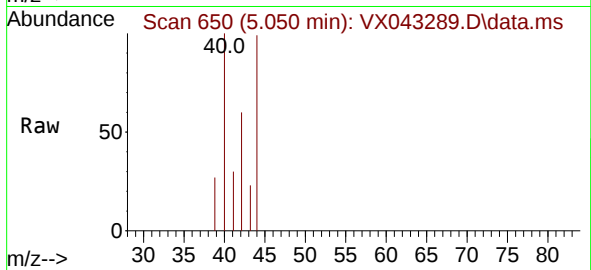
Tgt Ion: 96 Resp: 341
Ion Ratio Lower Upper
96 100
61 224.0 0.0 298.2
98 92.1 0.0 128.6



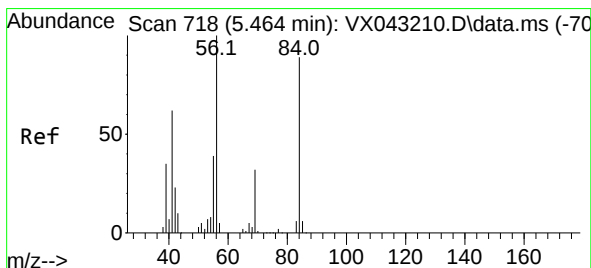
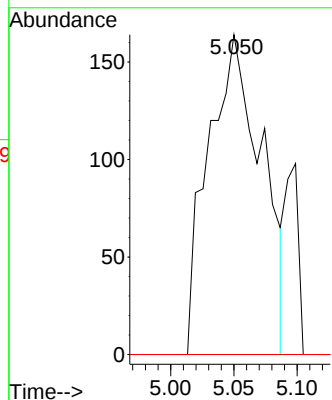


#29
Tetrahydrofuran
Concen: 1.040 ug/l
RT: 5.050 min Scan# 610
Delta R.T. 0.043 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :

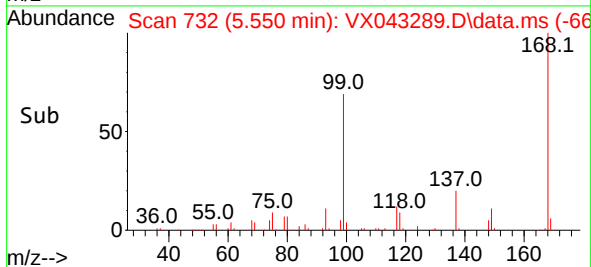
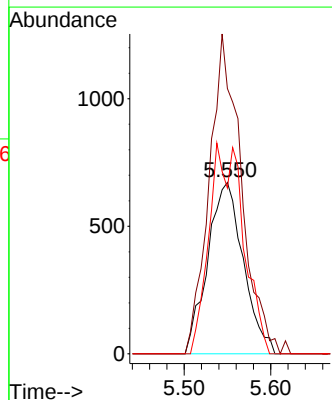
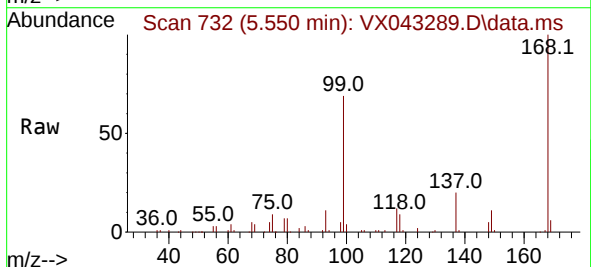


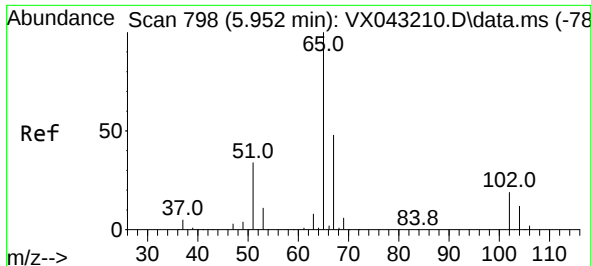
Tgt Ion:	42	Resp:	482
Ion Ratio	Lower	Upper	
42	100		
72	0.0	37.7	56.5#
71	0.0	34.6	52.0#



#31
Cyclohexane
Concen: 1.401 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion:	56	Resp:	1920
Ion Ratio	Lower	Upper	
56	100		
69	154.8	25.8	38.6#
84	96.7	71.1	106.7





#33

1,2-Dichloroethane-d4

Concen: 54.093 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX043289.D

Acq: 04 Oct 2024 15:15

Instrument :

MSVOA_X

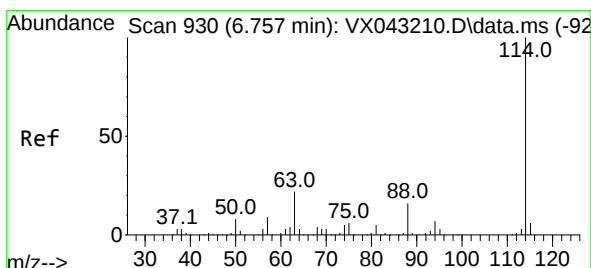
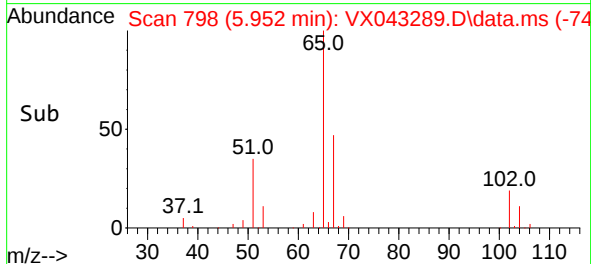
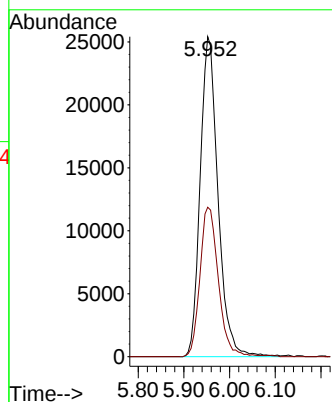
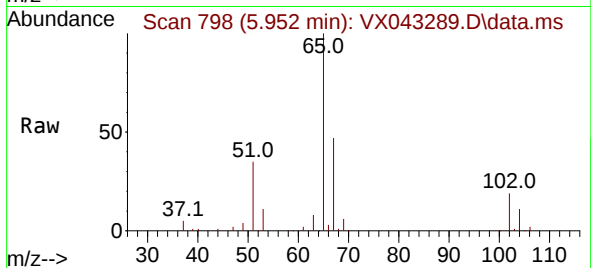
ClientSampleId :

Tgt Ion: 65 Resp: 68696

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043289.D

Acq: 04 Oct 2024 15:15

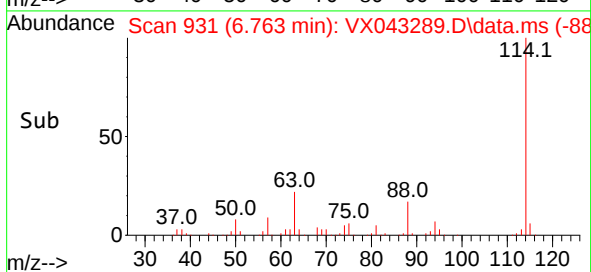
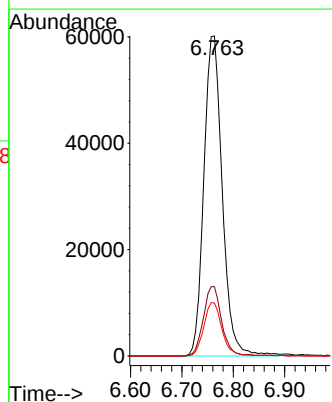
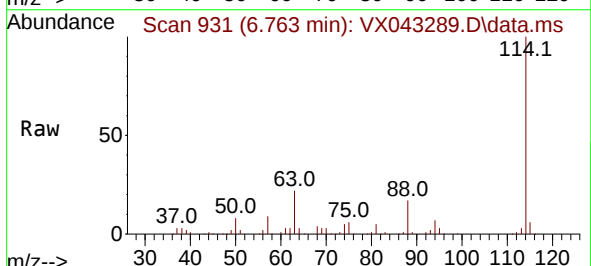
Tgt Ion: 114 Resp: 149745

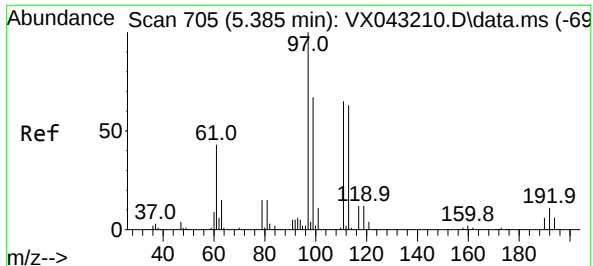
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

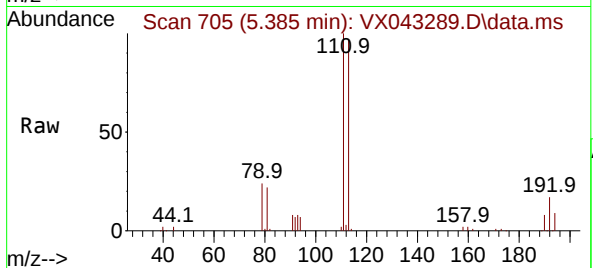
88 16.6 0.0 33.0



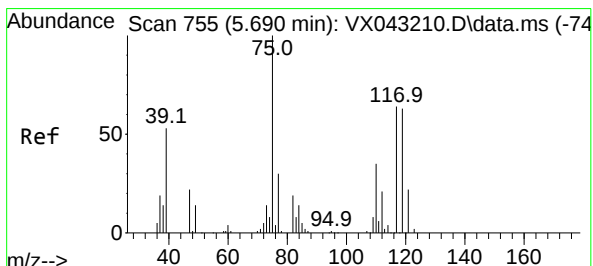
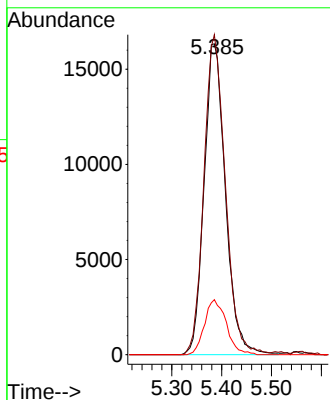
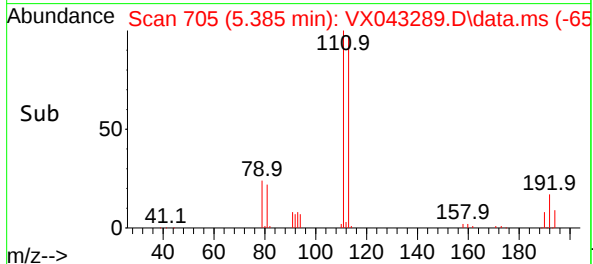


#35
Dibromofluoromethane
Concen: 46.970 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :

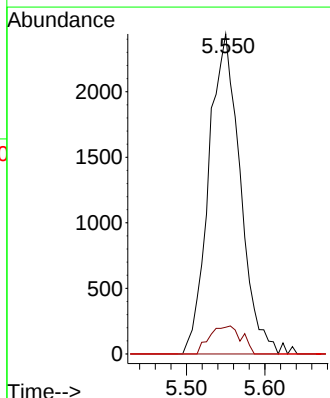
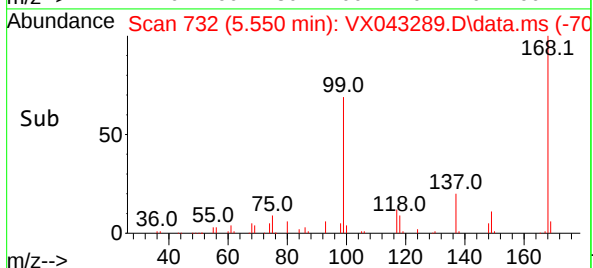
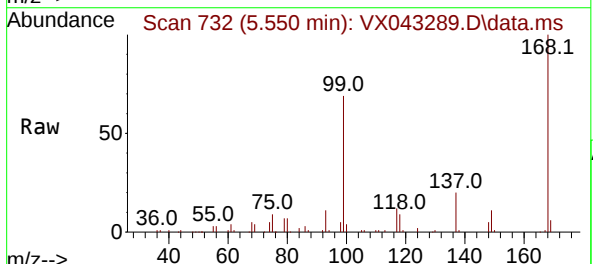


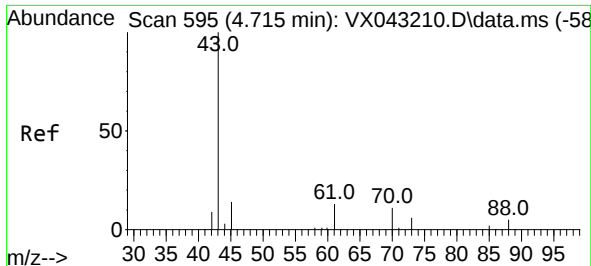
Tgt Ion:113 Resp: 48506
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 18.1 14.1 21.1



#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 75 Resp: 6799
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.629 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.031 min

Lab File: VX043289.D

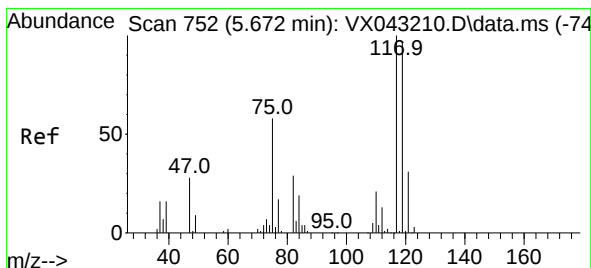
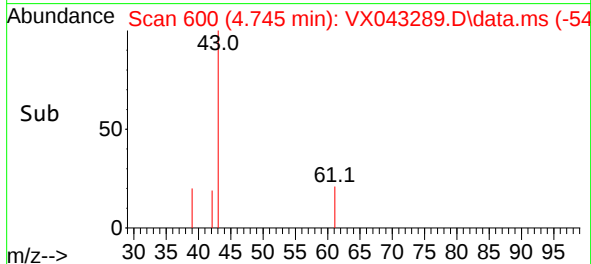
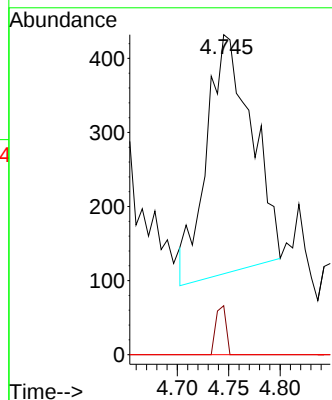
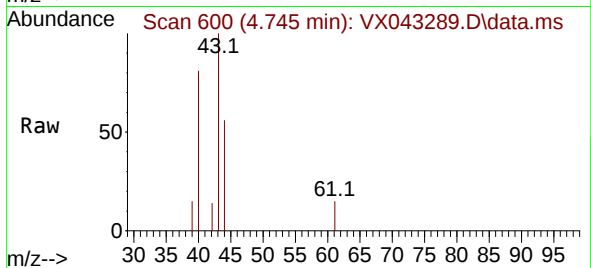
Acq: 04 Oct 2024 15:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43	Resp:	986
Ion	Ratio	Lower Upper
43	100	
61	4.7	11.0 16.4#
70	0.0	8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.663 ug/l

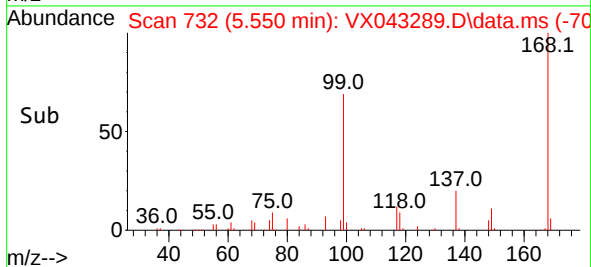
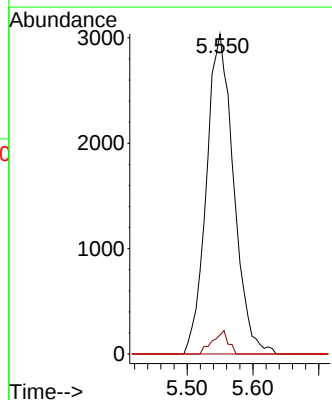
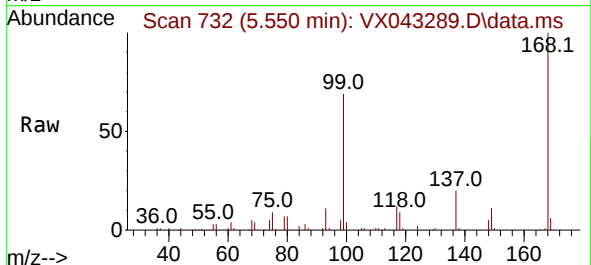
RT: 5.550 min Scan# 732

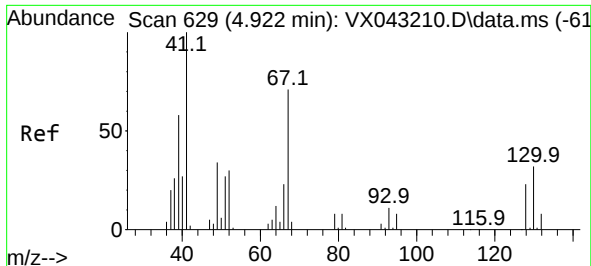
Delta R.T. -0.122 min

Lab File: VX043289.D

Acq: 04 Oct 2024 15:15

Tgt Ion: 117	Resp:	8746
Ion	Ratio	Lower Upper
117	100	
119	6.0	77.7 116.5#
121	0.0	24.3 36.5#

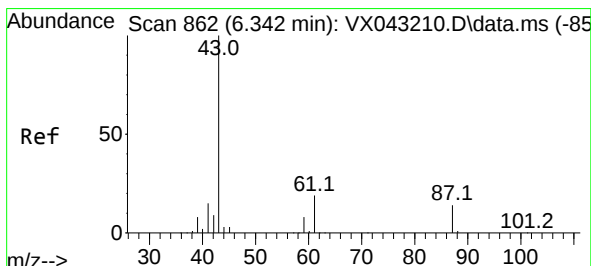
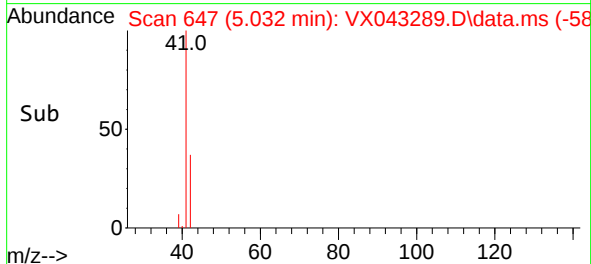
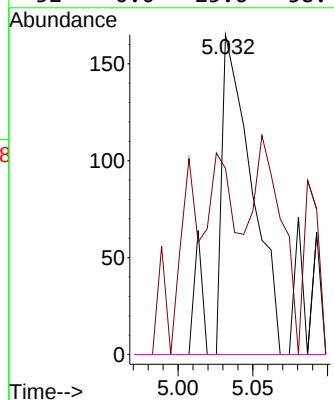
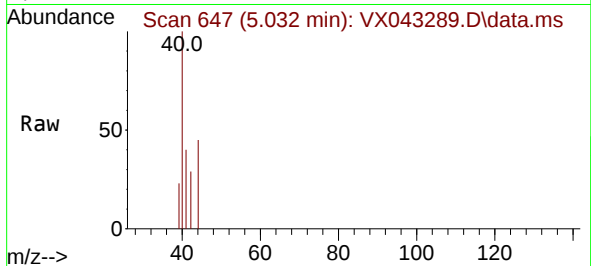




#41
Methacrylonitrile
Concen: 0.307 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

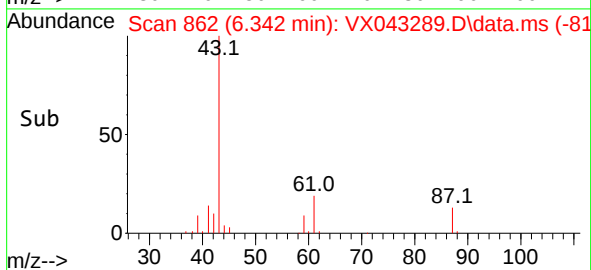
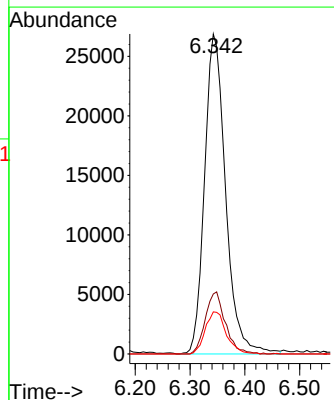
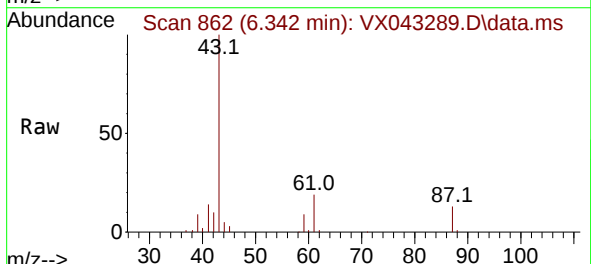
Instrument :
MSVOA_X
ClientSampleId :

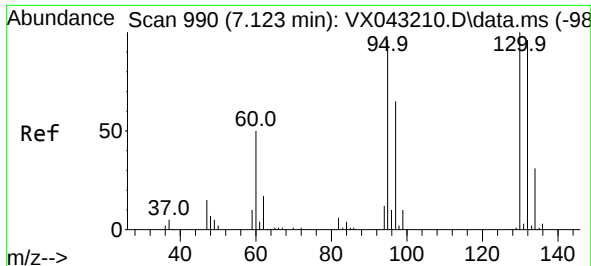
Tgt Ion:	41	Resp:	250
Ion	Ratio	Lower	Upper
41	100		
39	47.6	45.0	67.4
67	0.0	56.0	84.0#
52	0.0	25.6	38.4#



#43
Isopropyl Acetate
Concen: 27.707 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion:	43	Resp:	71699
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	13.1	10.8	16.2

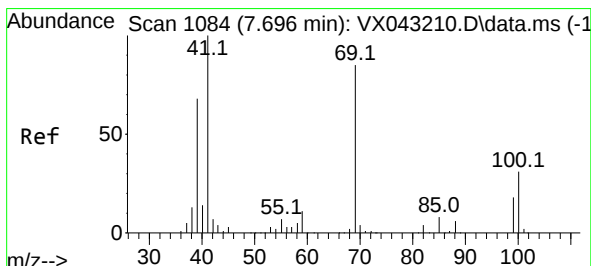
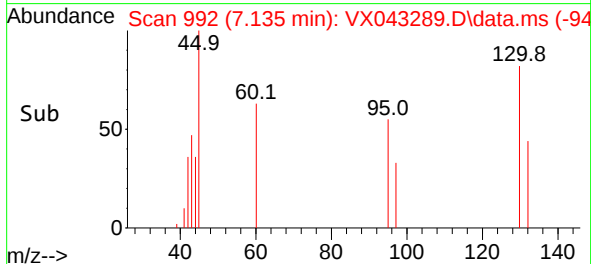
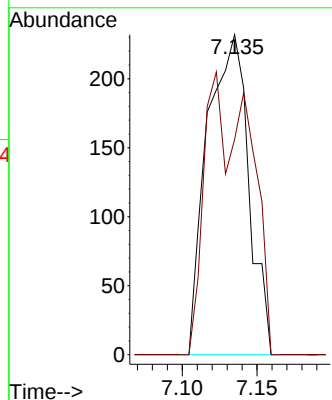
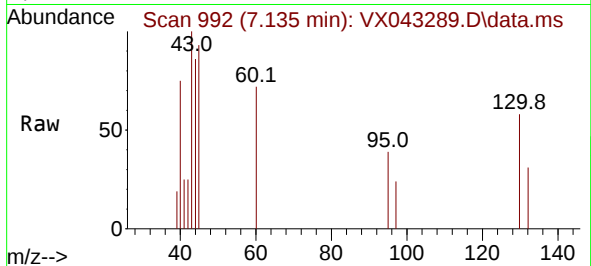




#44
Trichloroethene
Concen: 0.426 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

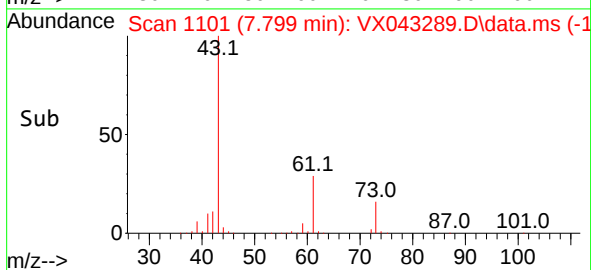
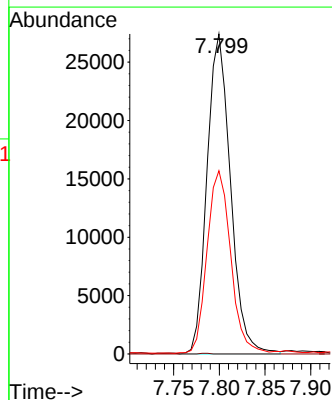
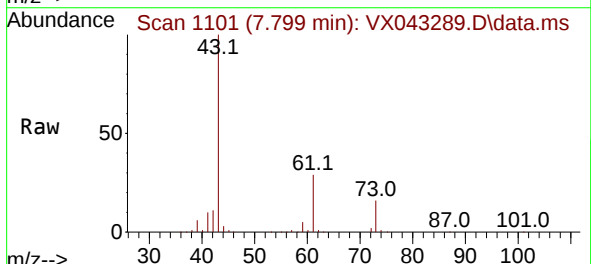
Instrument :
MSVOA_X
ClientSampleId :

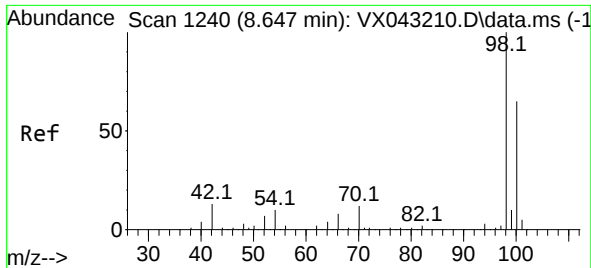
Tgt Ion:130 Resp: 447
Ion Ratio Lower Upper
130 100
95 67.2 0.0 192.2



#48
Methyl methacrylate
Concen: 38.547 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 41 Resp: 48943
Ion Ratio Lower Upper
41 100
69 0.1 64.1 96.1#
39 57.2 52.8 79.2

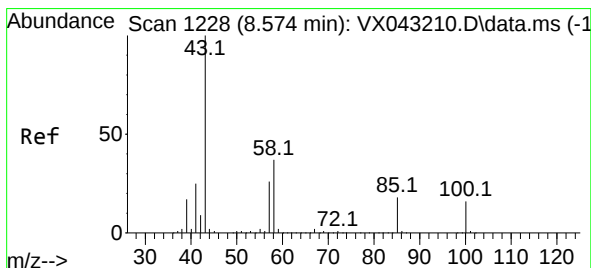
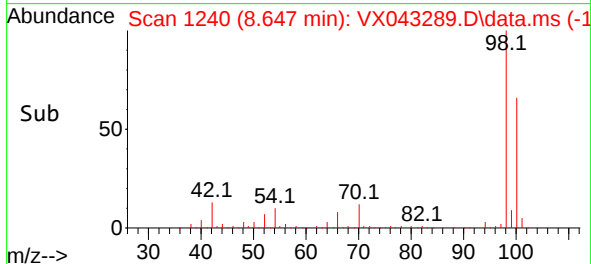
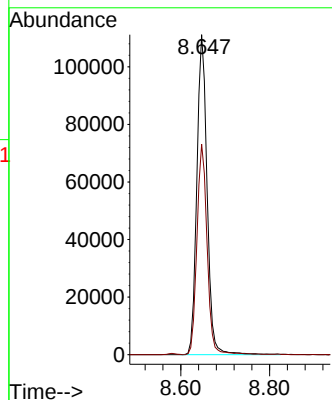
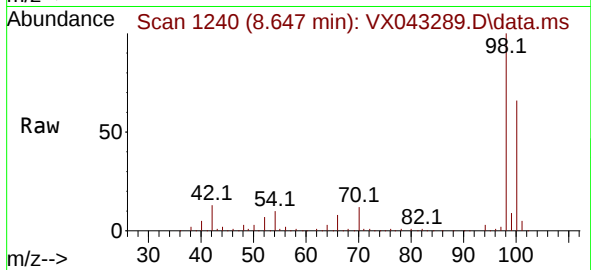




#50
Toluene-d8
Concen: 49.588 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

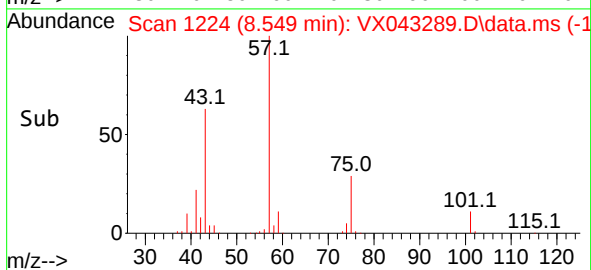
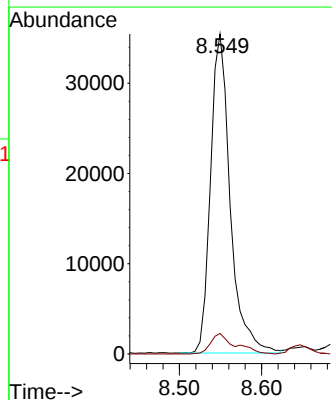
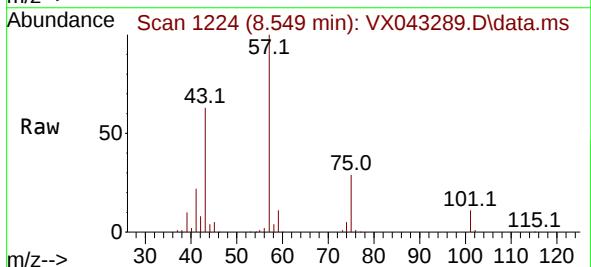
Instrument :
MSVOA_X
ClientSampleId :

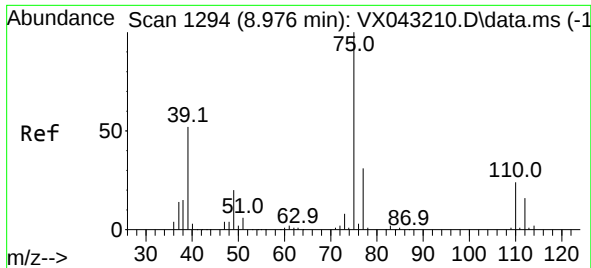
Tgt Ion: 98 Resp: 177466
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 37.423 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 43 Resp: 58817
Ion Ratio Lower Upper
43 100
58 8.0 30.0 45.0#

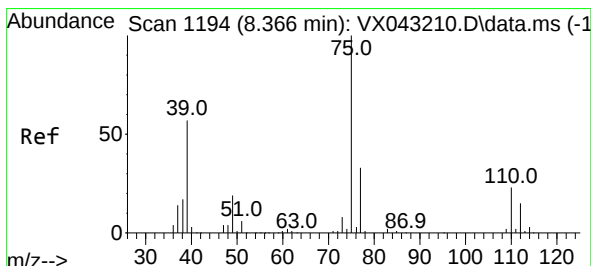
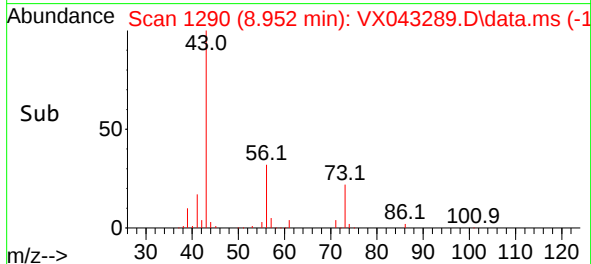
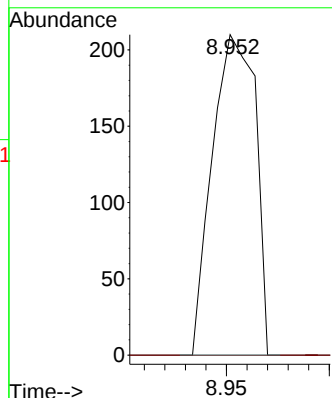
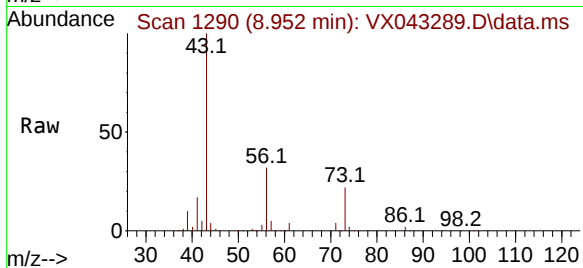




#53
 t-1,3-Dichloropropene
 Concen: 0.201 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX043289.D
 Acq: 04 Oct 2024 15:15

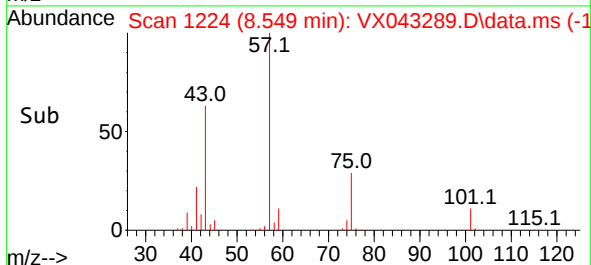
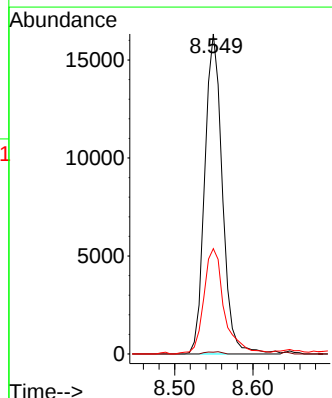
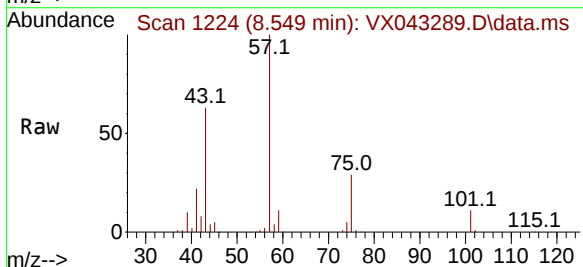
Instrument :
 MSVOA_X
 ClientSampleId :

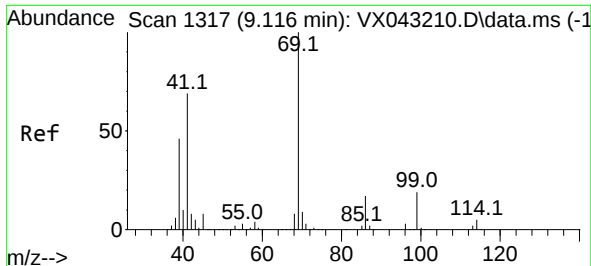
Tgt Ion: 75 Resp: 306
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 15.644 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX043289.D
 Acq: 04 Oct 2024 15:15

Tgt Ion: 75 Resp: 25498
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.0 39.0#
 39 32.5 45.8 68.8#

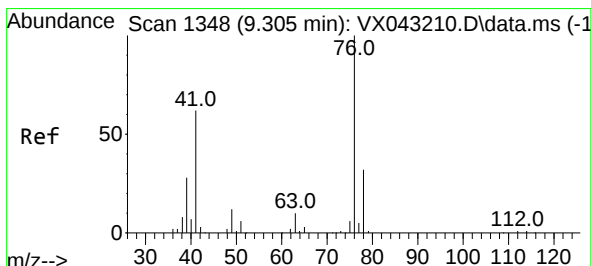
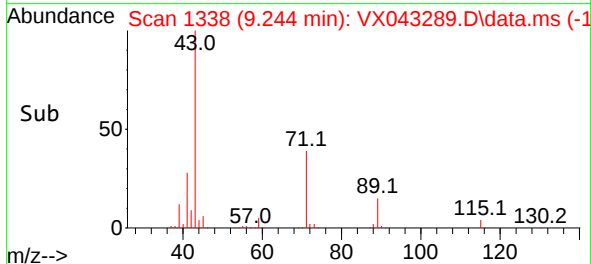
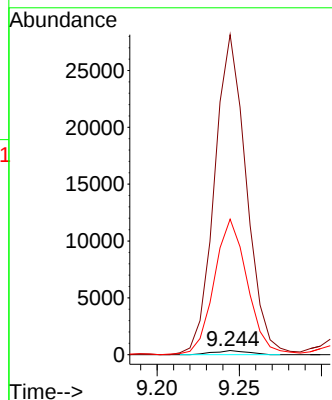
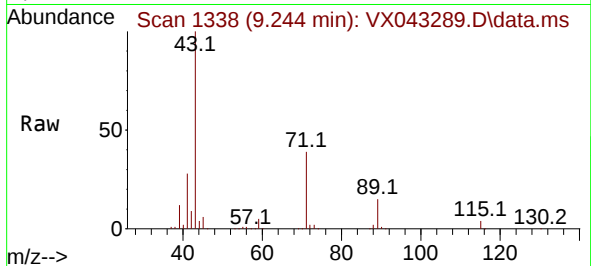




#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

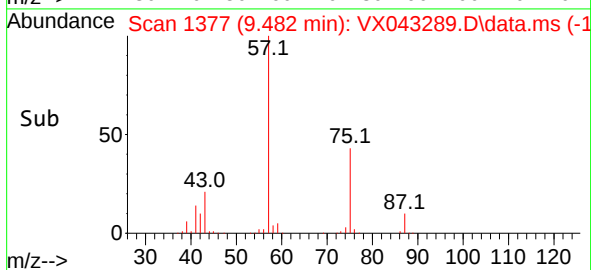
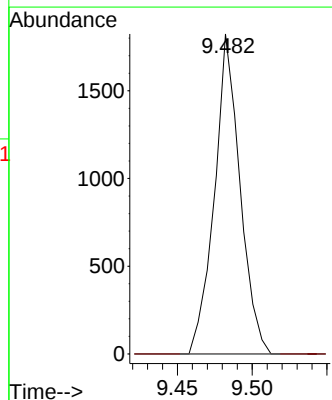
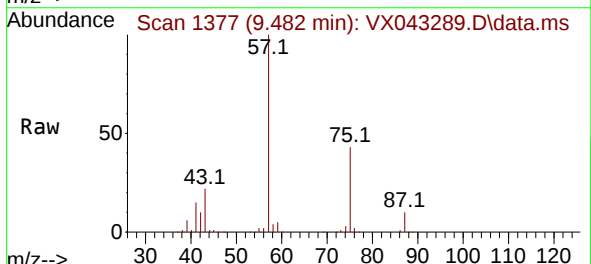
Instrument :
MSVOA_X
ClientSampleId :

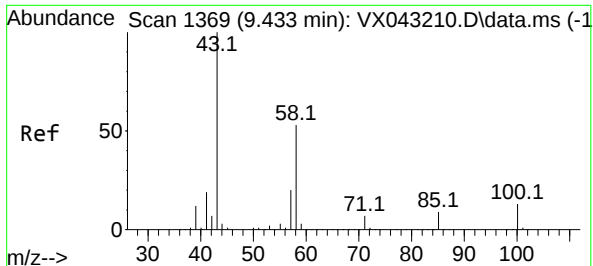
Tgt Ion: 69 Resp: 525
Ion Ratio Lower Upper
69 100
41 7249.5 56.1 84.1#
39 3199.8 36.4 54.6#



#57
1,3-Dichloropropane
Concen: 1.291 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 76 Resp: 2167
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 29.723 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX043289.D

Acq: 04 Oct 2024 15:15

Instrument :

MSVOA_X

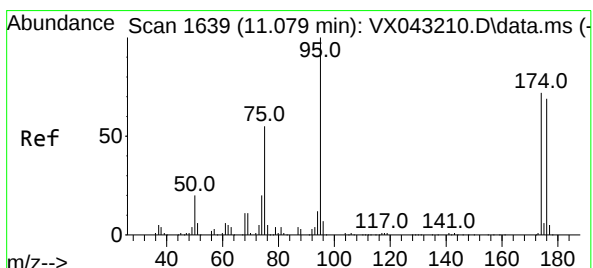
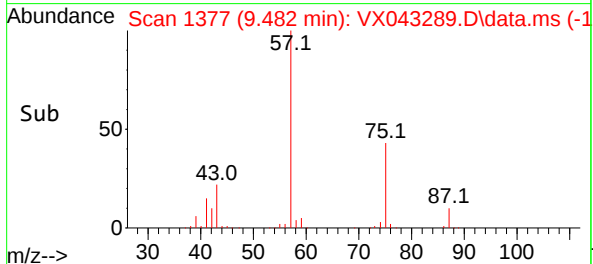
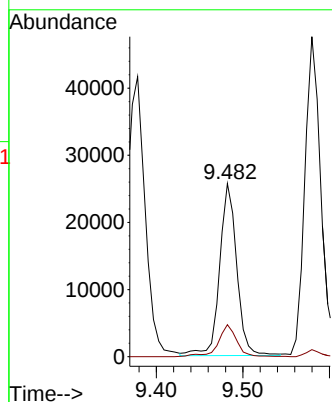
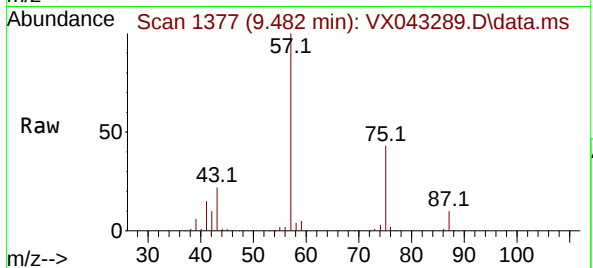
ClientSampleId :

Tgt Ion: 43 Resp: 35327

Ion Ratio Lower Upper

43 100

58 20.0 26.1 78.3#



#62

4-Bromofluorobenzene

Concen: 48.398 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043289.D

Acq: 04 Oct 2024 15:15

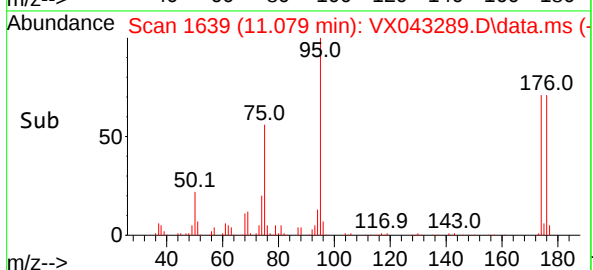
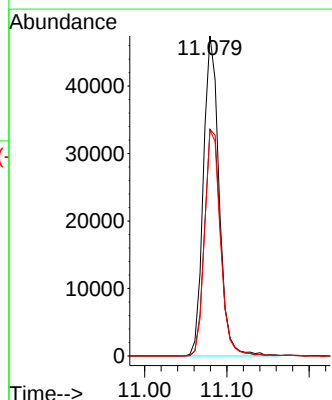
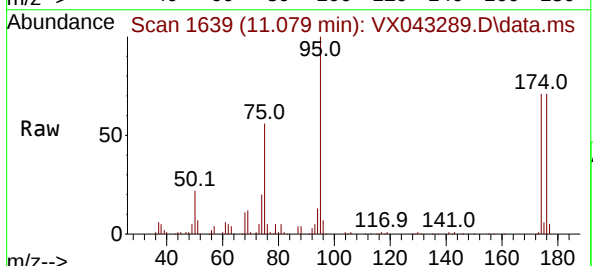
Tgt Ion: 95 Resp: 62925

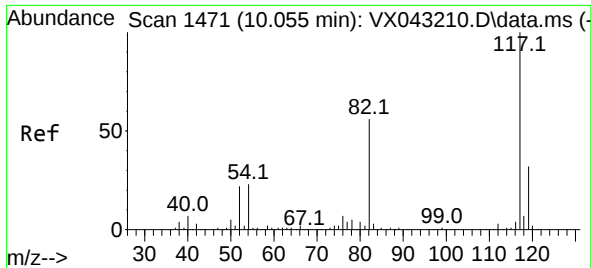
Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.0

176 71.3 0.0 143.0

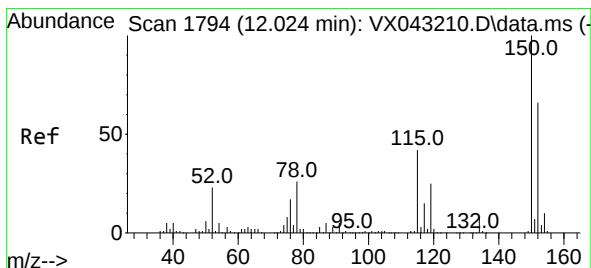
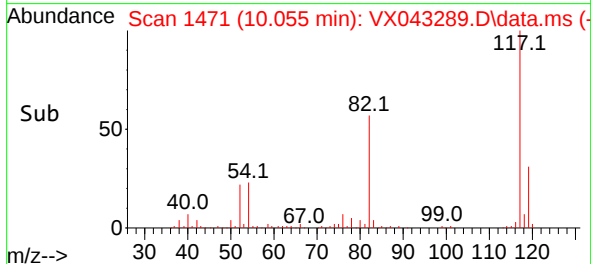
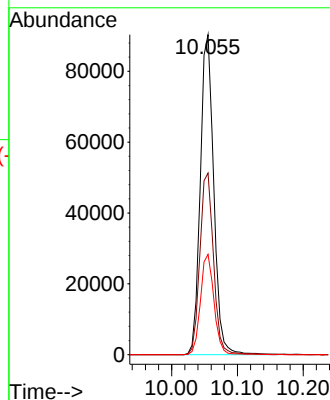
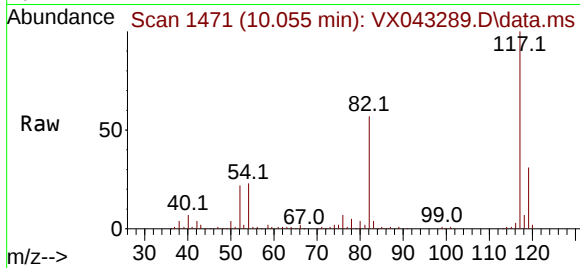




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

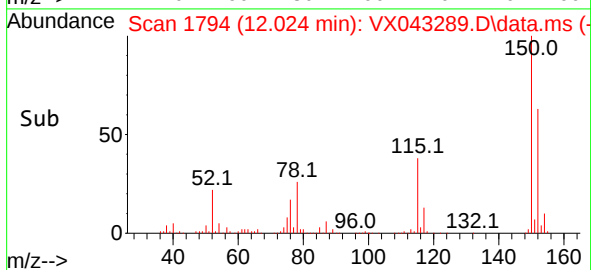
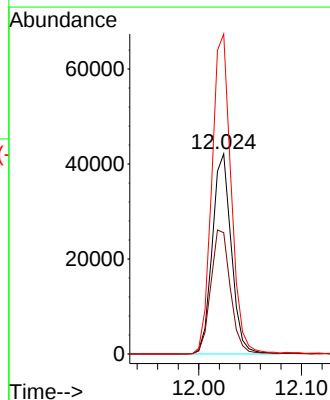
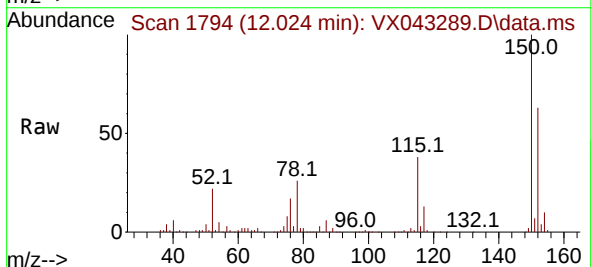
Instrument :
MSVOA_X
ClientSampleId :

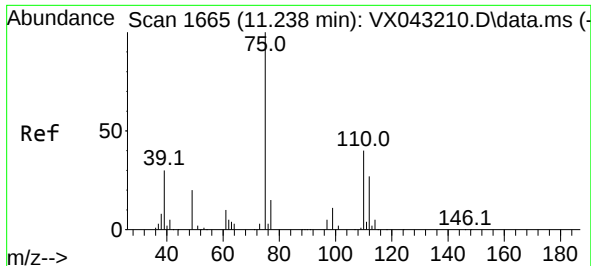
Tgt Ion:117 Resp: 128705
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.6
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion:152 Resp: 54092
Ion Ratio Lower Upper
152 100
115 64.3 44.1 132.3
150 161.8 0.0 347.4

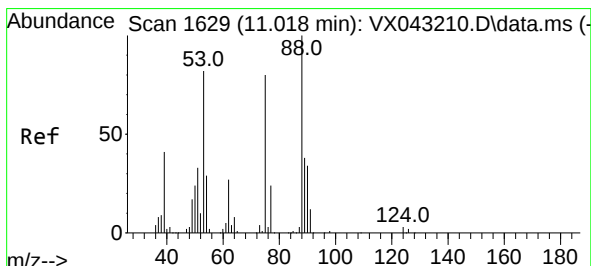
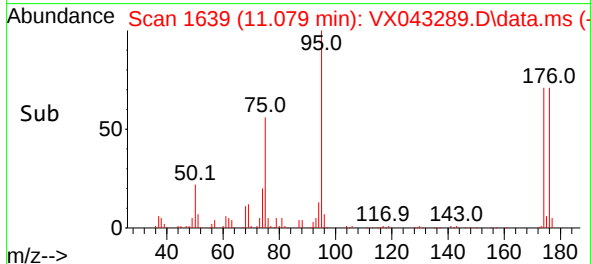
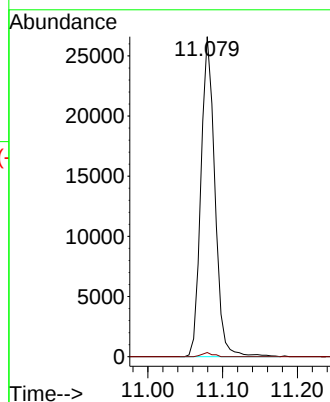
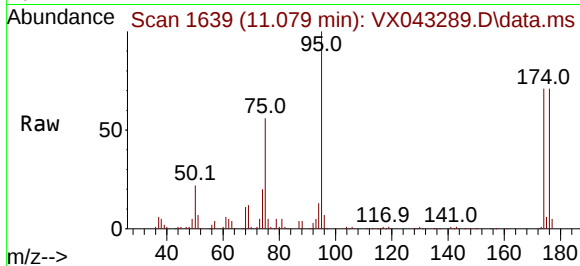




#76
1,2,3-Trichloropropane
Concen: 28.807 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 34563
Ion Ratio Lower Upper
75 100
77 1.0 22.0 66.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.657 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043289.D
Acq: 04 Oct 2024 15:15

Tgt Ion: 75 Resp: 34563
Ion Ratio Lower Upper
75 100
53 0.0 83.9 125.9#
89 0.1 38.6 58.0#

