

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042893.D
 Acq On : 07 Aug 2024 02:06
 Operator : JC/MD
 Sample : P3448-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP4

Quant Time: Aug 07 06:32:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

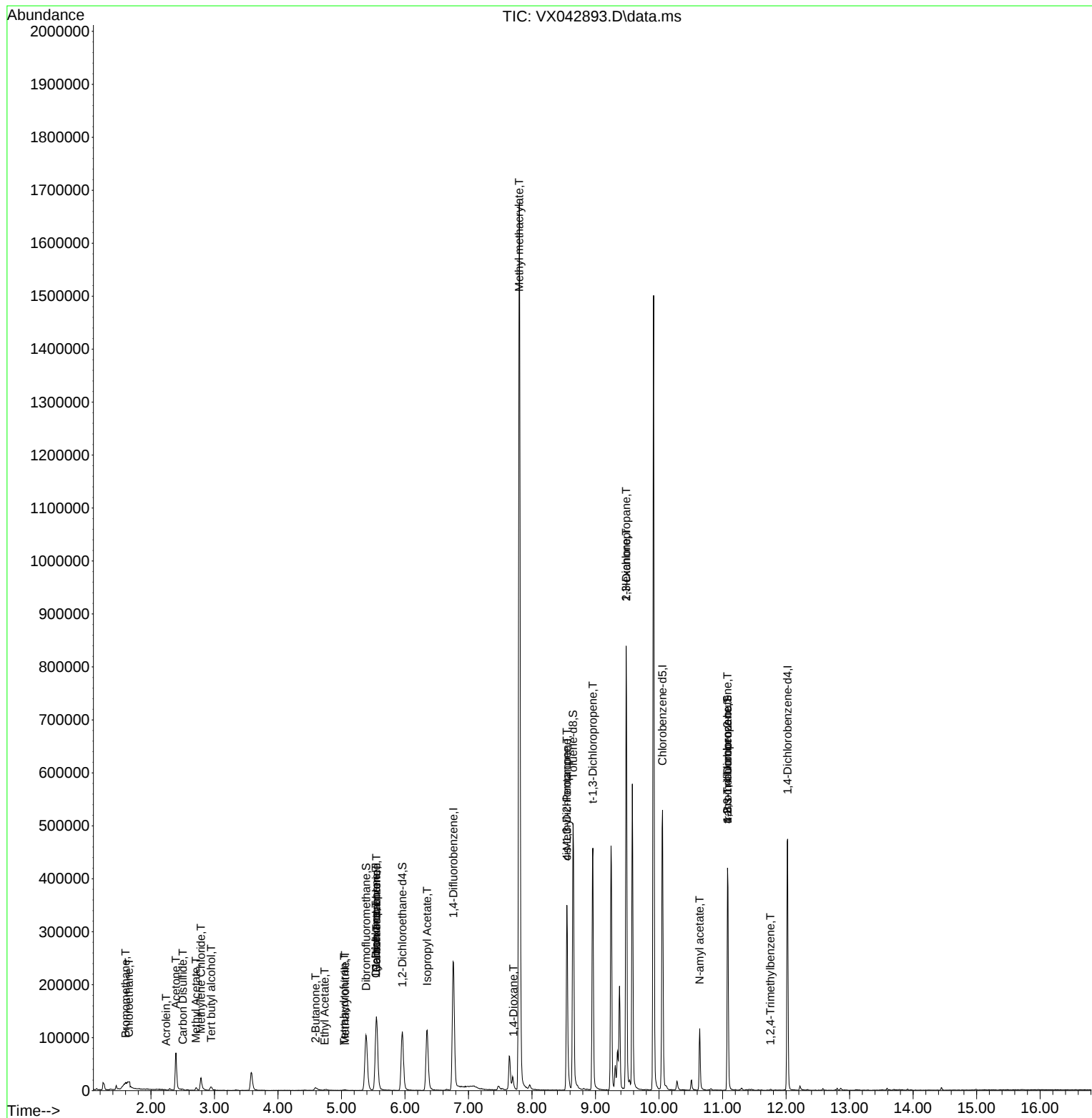
Internal Standards						
1) Pentafluorobenzene	5.550	168	133044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	255129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	110663	60.590	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 121.180%#		
35) Dibromofluoromethane	5.385	113	92130	55.229	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 110.460%		
50) Toluene-d8	8.647	98	305380	51.567	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.140%		
62) 4-Bromofluorobenzene	11.079	95	115596	54.320	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 108.640%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	911	1.015	ug/l	86
6) Chloroethane	1.654	64	437	0.517	ug/l #	75
11) Tert butyl alcohol	2.947	59	4563	12.560	ug/l #	78
13) Acrolein	2.239	56	199	0.556	ug/l	96
16) Acetone	2.392	43	82163	103.716	ug/l	94
17) Carbon Disulfide	2.502	76	1040	0.291	ug/l #	81
18) Methyl Acetate	2.709	43	6598	2.626	ug/l	95
20) Methylene Chloride	2.788	84	12910	7.023	ug/l	91
25) 2-Butanone	4.593	43	9197	7.393	ug/l #	90
29) Tetrahydrofuran	5.044	42	986	1.173	ug/l #	62
31) Cyclohexane	5.544	56	2735	1.197	ug/l #	25
36) 1,1-Dichloropropene	5.544	75	10347	4.575	ug/l #	51
37) Ethyl Acetate	4.733	43	995	0.352	ug/l #	46
38) Carbon Tetrachloride	5.550	117	13921	5.453	ug/l #	13
41) Methacrylonitrile	5.056	41	763	0.523	ug/l #	30
43) Isopropyl Acetate	6.348	43	159539	38.122	ug/l	97
48) Methyl methacrylate	7.799	41	146420	72.965	ug/l #	47
49) 1,4-Dioxane	7.708	88	57	1.280	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	121909	43.488	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	1415	0.630	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	55780	22.491	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	7215	2.545	ug/l #	42
59) 2-Hexanone	9.482	43	101166	46.574	ug/l #	52
74) N-amyl acetate	10.640	43	27204	8.056	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	59543	25.504	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59543	82.927	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1255	0.201	ug/l	97

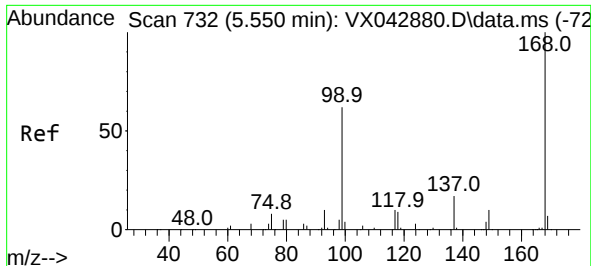
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 07 02:55:22 2024
Response via : Initial Calibration

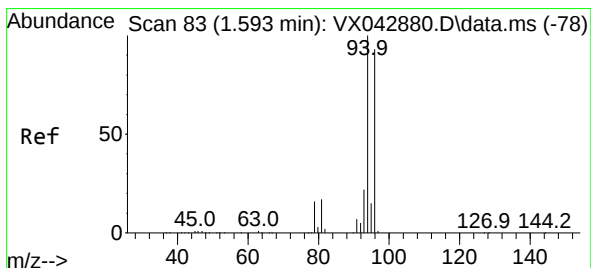
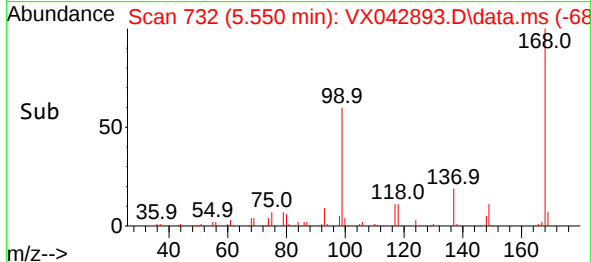
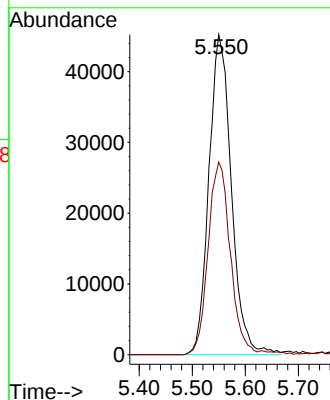
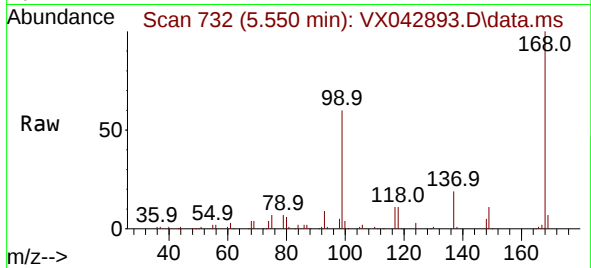




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

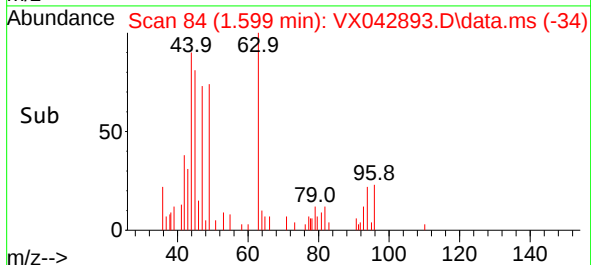
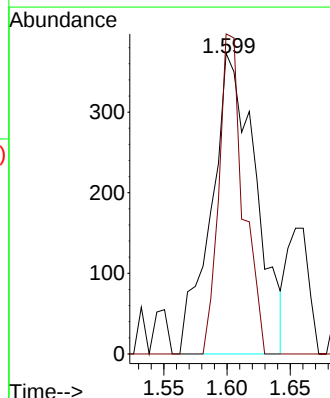
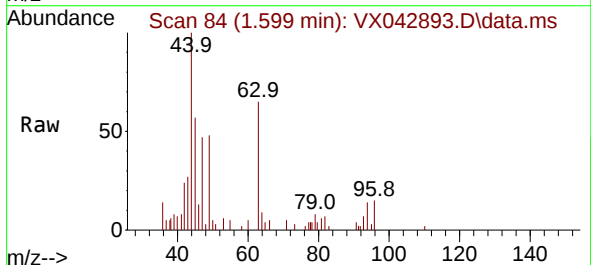
Instrument :
MSVOA_X
ClientSampleId :
TP4

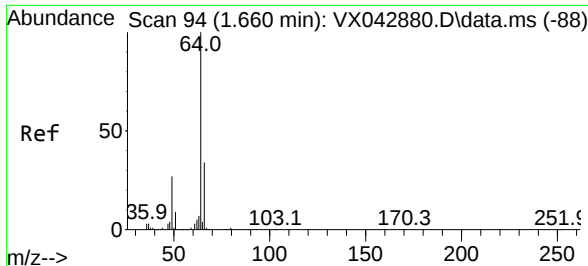
Tgt Ion:168 Resp: 133044
Ion Ratio Lower Upper
168 100
99 60.2 56.6 85.0



#5
Bromomethane
Concen: 1.015 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 94 Resp: 911
Ion Ratio Lower Upper
94 100
96 106.4 74.6 111.8

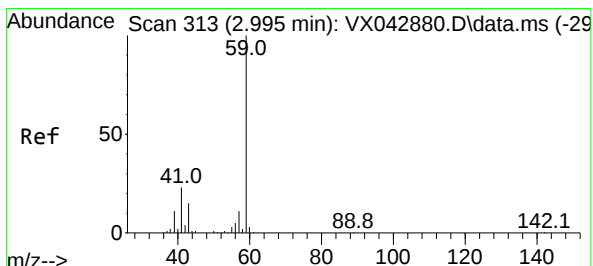
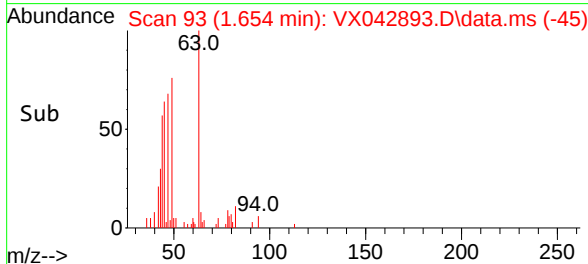
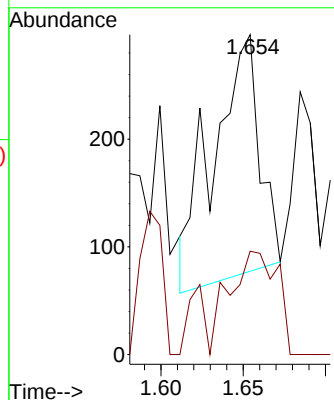
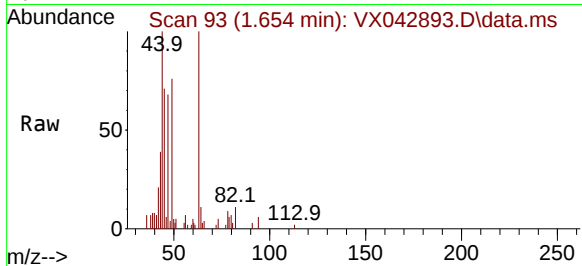




#6
 Chloroethane
 Concen: 0.517 ug/l
 RT: 1.654 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX042893.D
 Acq: 07 Aug 2024 02:06

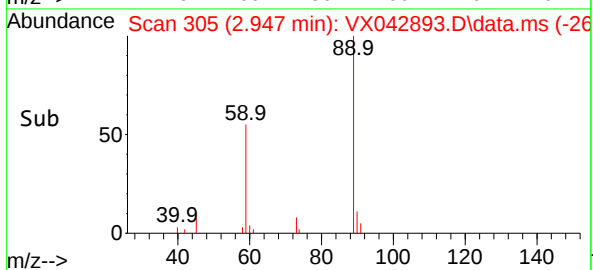
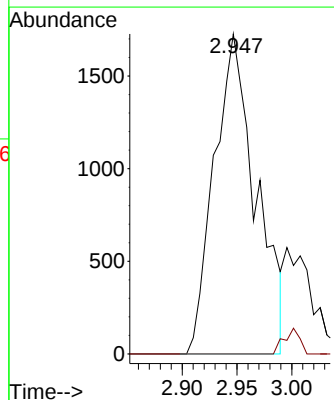
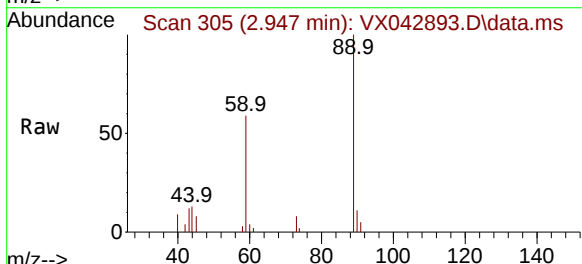
Instrument :
 MSVOA_X
 ClientSampleId :
 TP4

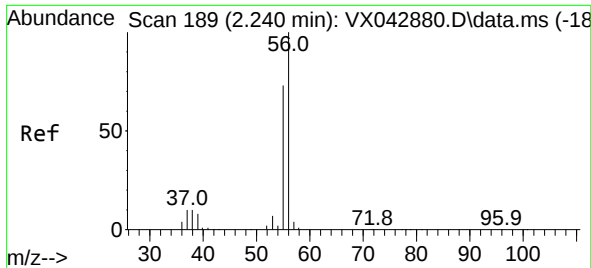
Tgt Ion: 64 Resp: 437
 Ion Ratio Lower Upper
 64 100
 66 45.5 25.1 37.7#



#11
 Tert butyl alcohol
 Concen: 12.560 ug/l
 RT: 2.947 min Scan# 305
 Delta R.T. -0.049 min
 Lab File: VX042893.D
 Acq: 07 Aug 2024 02:06

Tgt Ion: 59 Resp: 4563
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.556 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

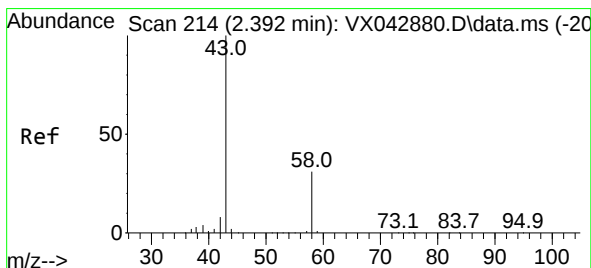
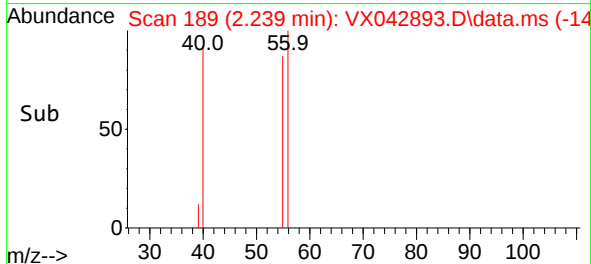
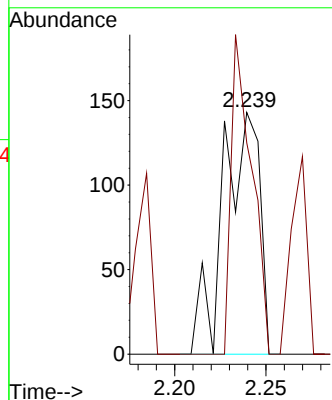
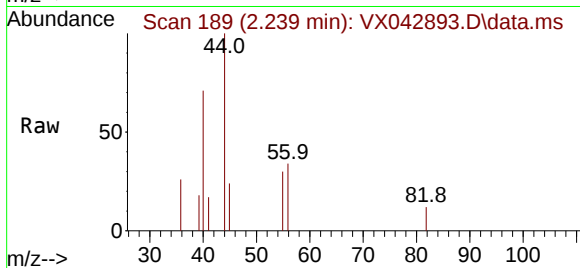
TP4

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

56 100

55 74.4 57.1 85.7



#16

Acetone

Concen: 103.716 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX042893.D

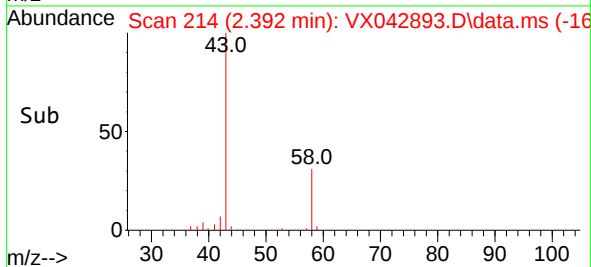
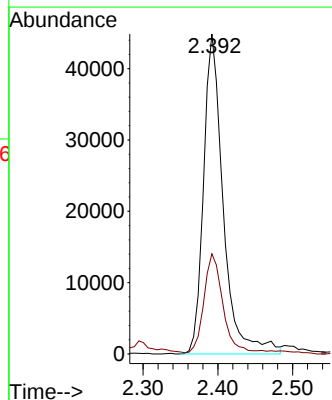
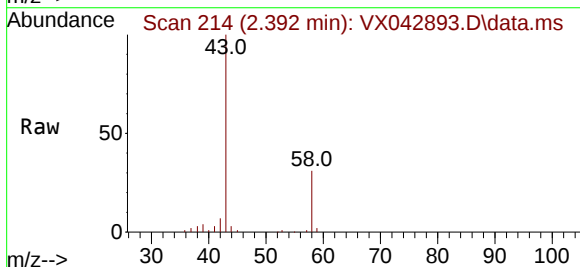
Acq: 07 Aug 2024 02:06

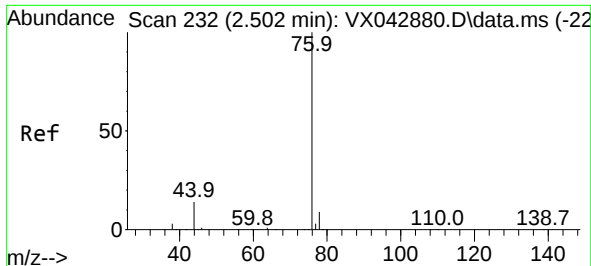
Tgt Ion: 43 Resp: 82163

Ion Ratio Lower Upper

43 100

58 30.6 21.9 32.9





#17

Carbon Disulfide

Concen: 0.291 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

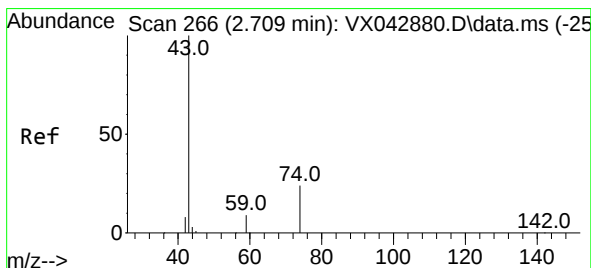
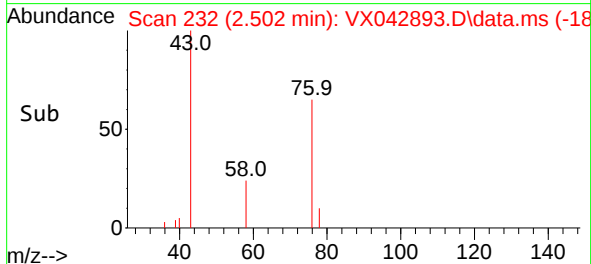
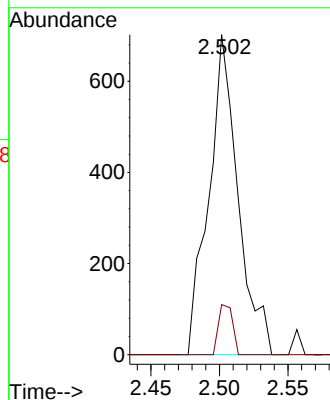
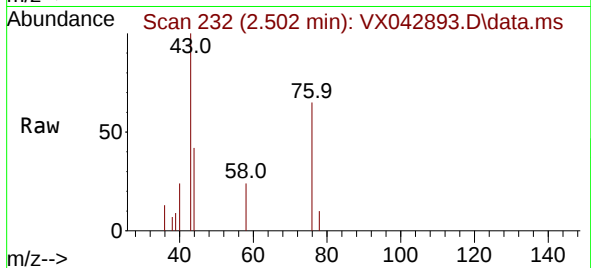
TP4

Tgt Ion: 76 Resp: 1040

Ion Ratio Lower Upper

76 100

78 15.7 7.0 10.6#



#18

Methyl Acetate

Concen: 2.626 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX042893.D

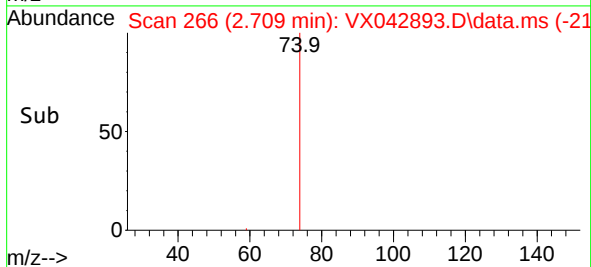
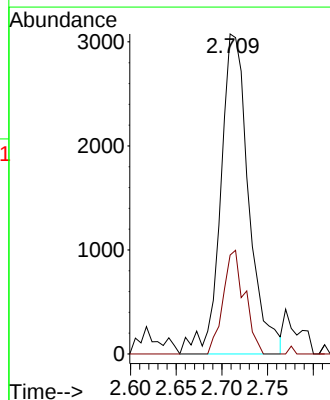
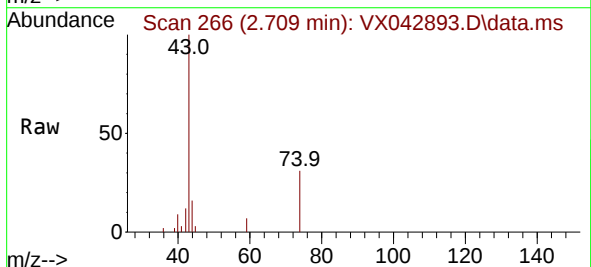
Acq: 07 Aug 2024 02:06

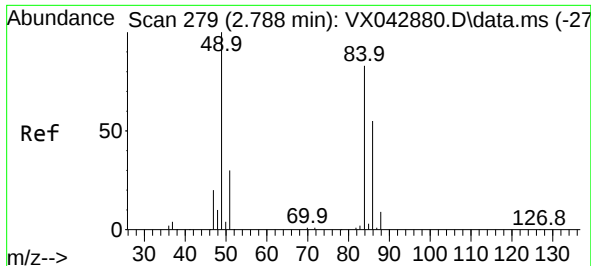
Tgt Ion: 43 Resp: 6598

Ion Ratio Lower Upper

43 100

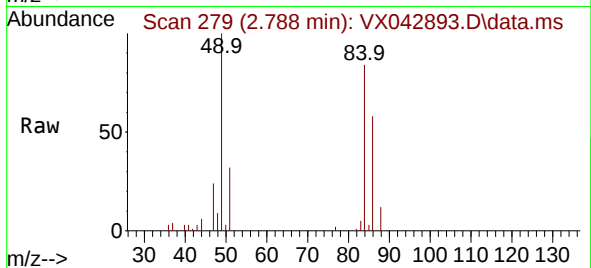
74 24.8 17.8 26.8



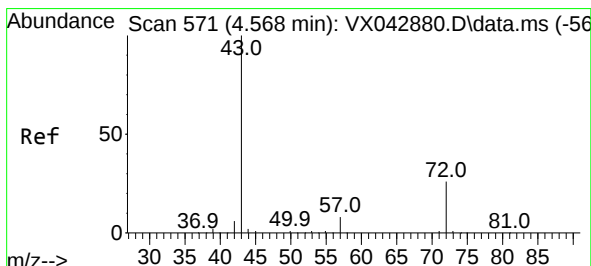
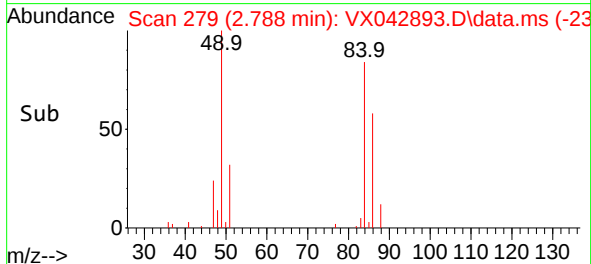
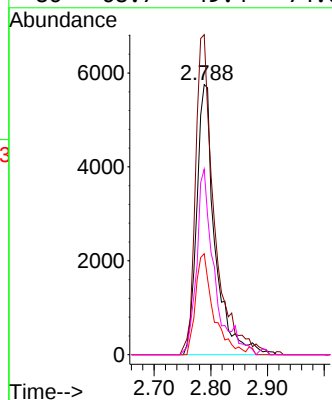


#20
Methylene Chloride
Concen: 7.023 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Instrument :
MSVOA_X
ClientSampleId :
TP4

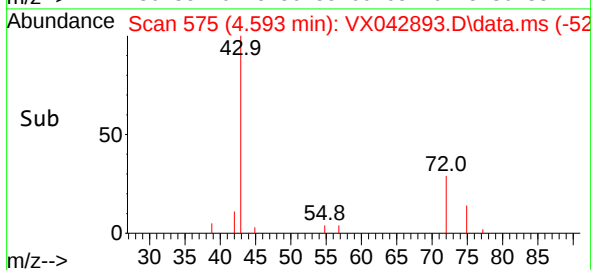
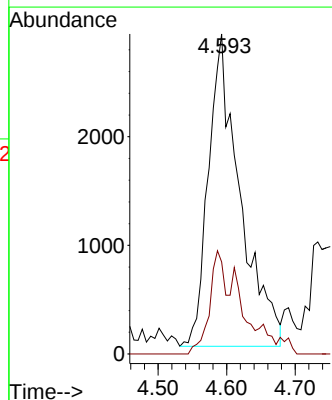
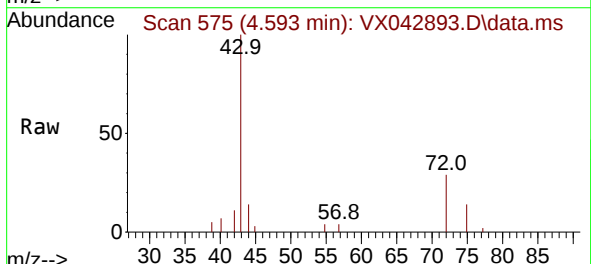


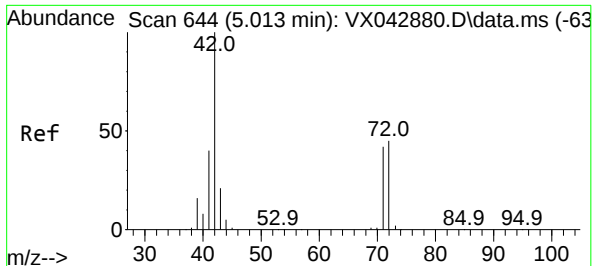
Tgt Ion	84	Resp:	12910
Ion	Ratio	Lower	Upper
84	100		
49	118.5	103.6	155.4
51	37.4	33.8	50.6
86	68.7	49.4	74.0



#25
2-Butanone
Concen: 7.393 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion	43	Resp:	9197
Ion	Ratio	Lower	Upper
43	100		
72	29.5	19.4	29.2#





#29

Tetrahydrofuran

Concen: 1.173 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

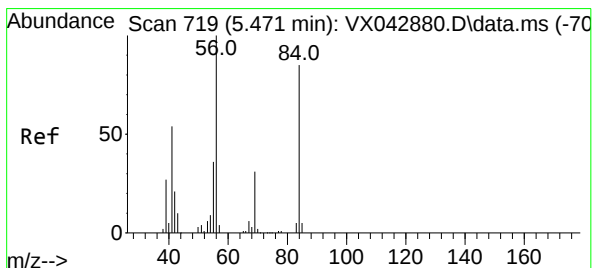
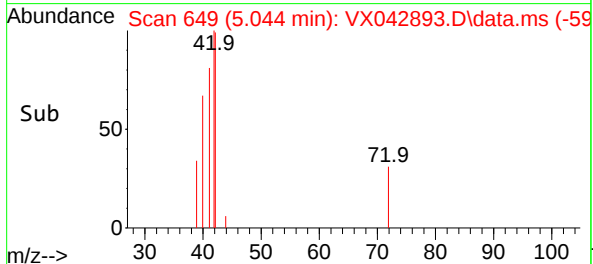
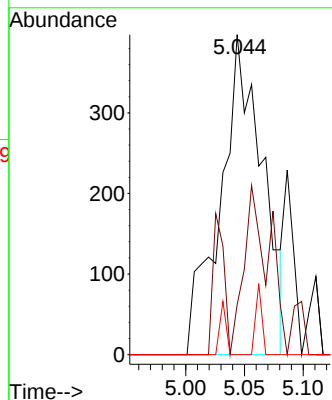
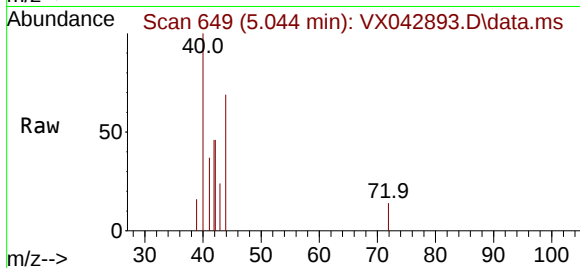
Instrument :

MSVOA_X

ClientSampleId :

TP4

Tgt Ion:	42	Resp:	986
Ion	Ratio	Lower	Upper
42	100		
72	31.6	34.2	51.4#
71	3.2	32.2	48.2#



#31

Cyclohexane

Concen: 1.197 ug/l

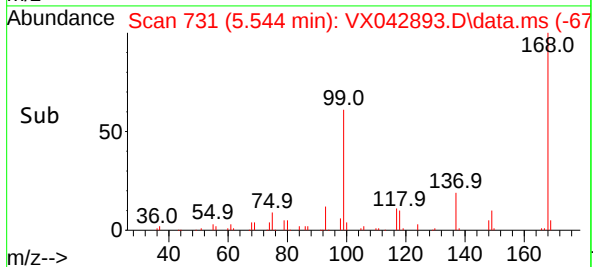
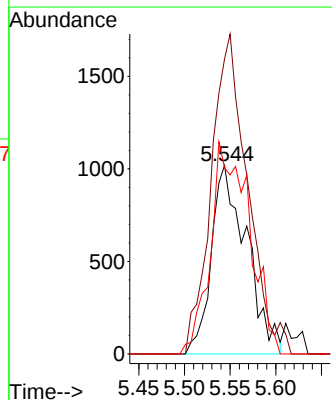
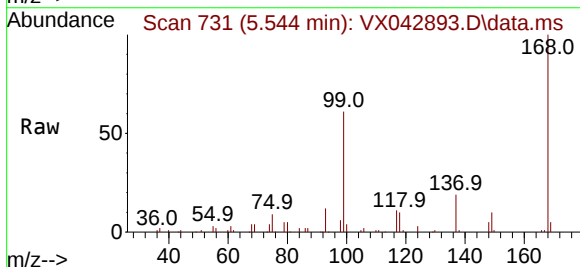
RT: 5.544 min Scan# 731

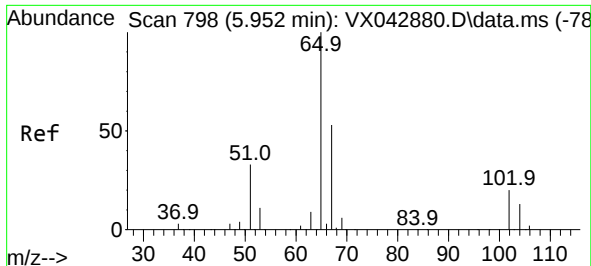
Delta R.T. 0.073 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Tgt Ion:	56	Resp:	2735
Ion	Ratio	Lower	Upper
56	100		
69	156.3	23.4	35.2#
84	98.6	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 60.590 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

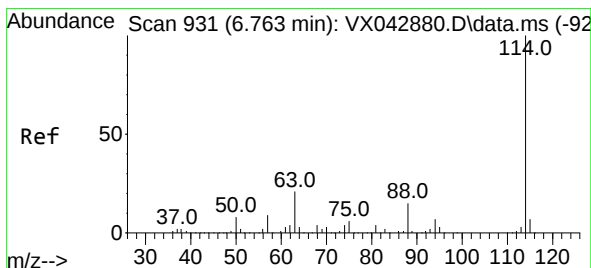
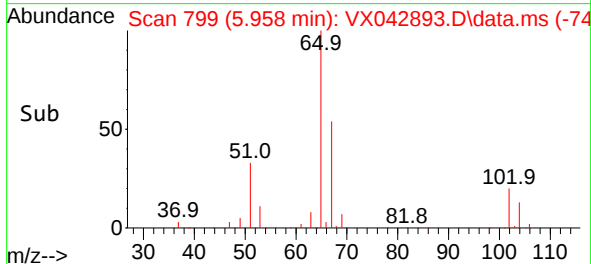
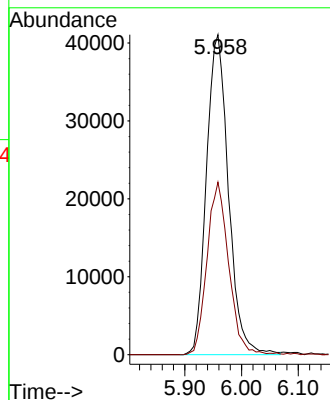
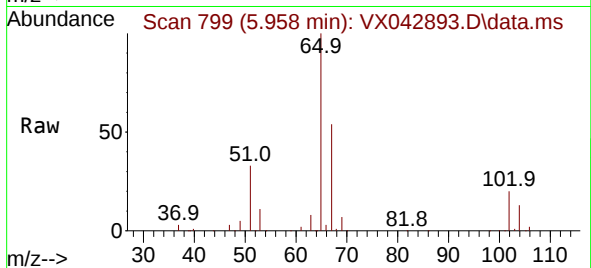
TP4

Tgt Ion: 65 Resp: 110663

Ion Ratio Lower Upper

65 100

67 53.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

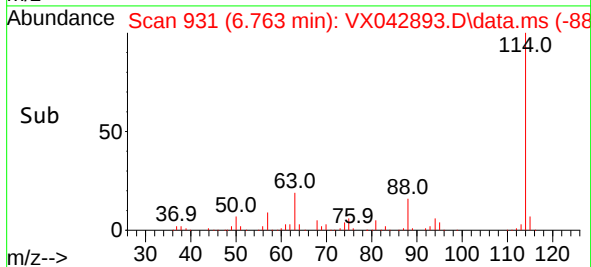
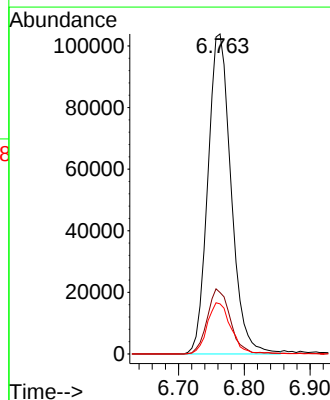
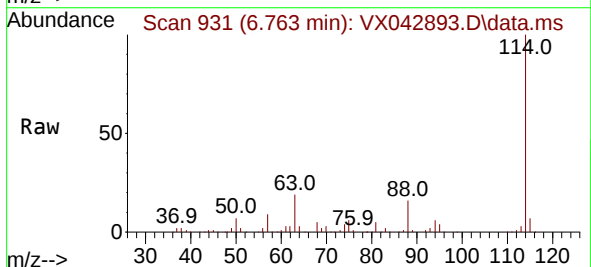
Tgt Ion: 114 Resp: 255129

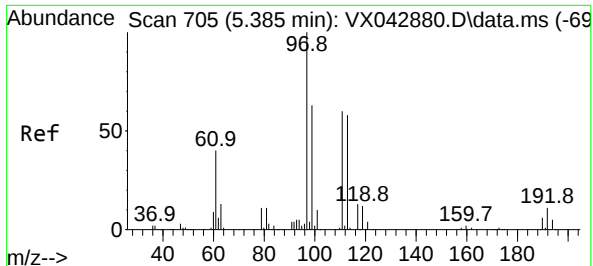
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.7 0.0 36.6

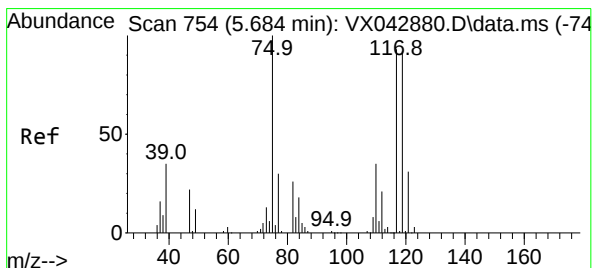
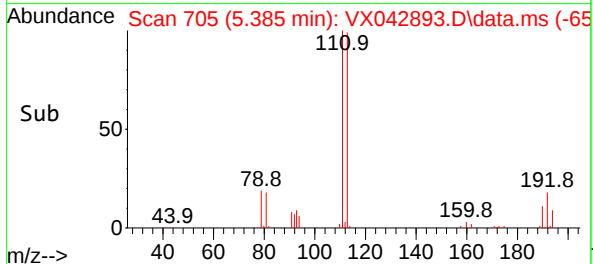
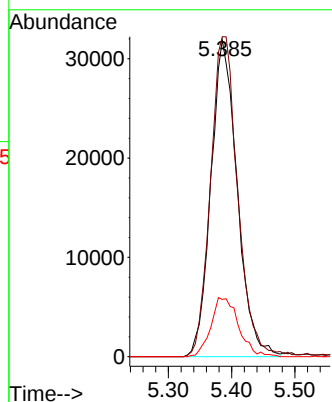
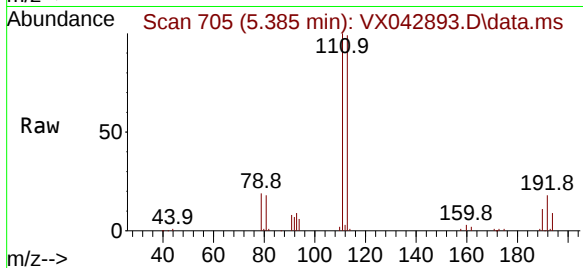




#35
Dibromofluoromethane
Concen: 55.229 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

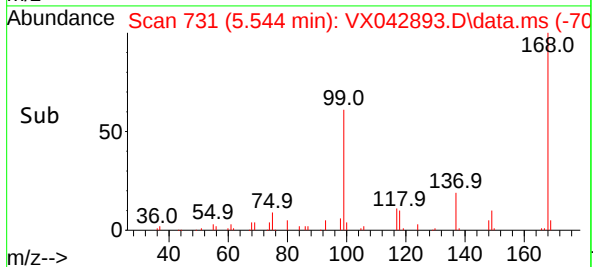
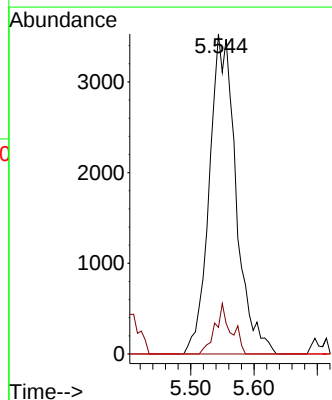
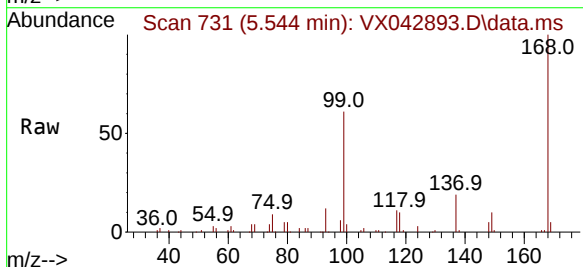
Instrument :
MSVOA_X
ClientSampleId :
TP4

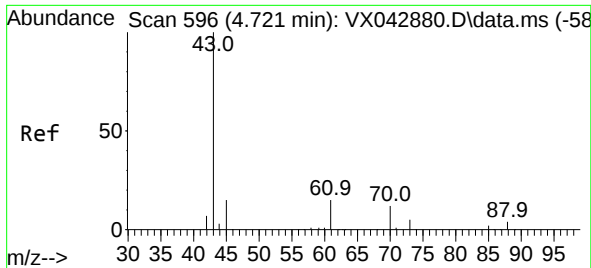
Tgt Ion:113 Resp: 92130
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 19.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.575 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 75 Resp: 10347
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#

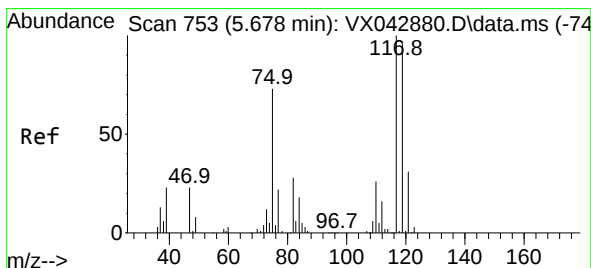
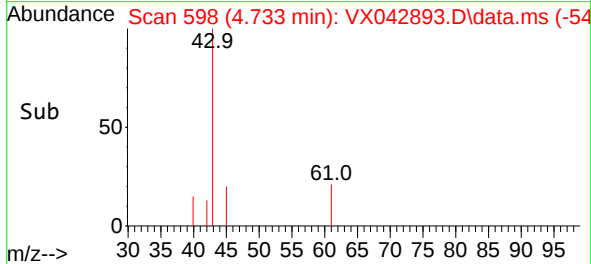
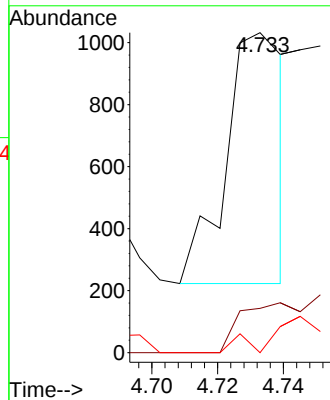
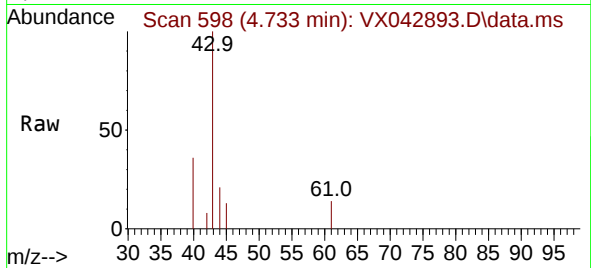




#37
Ethyl Acetate
Concen: 0.352 ug/l
RT: 4.733 min Scan# 596
Delta R.T. 0.012 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

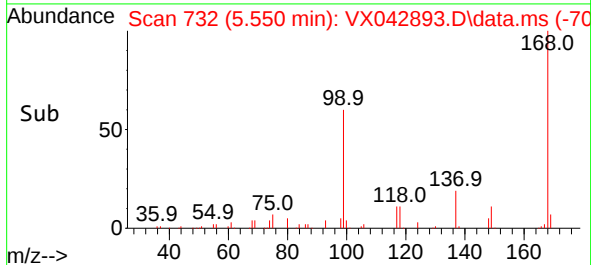
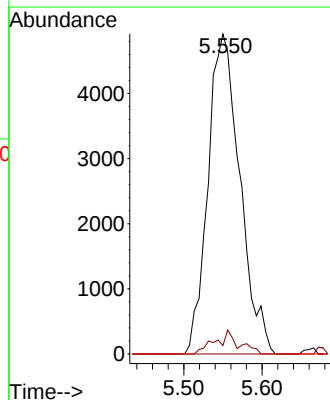
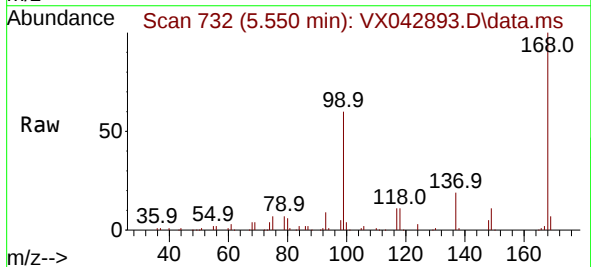
Instrument :
MSVOA_X
ClientSampleId :
TP4

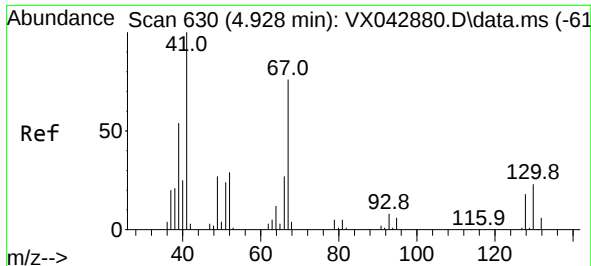
Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
61 50.2 10.6 16.0#
70 12.2 8.3 12.5



#38
Carbon Tetrachloride
Concen: 5.453 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 117 Resp: 13921
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#

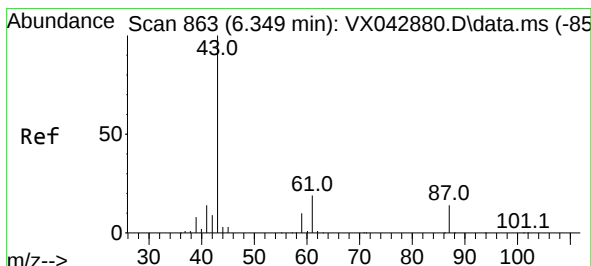
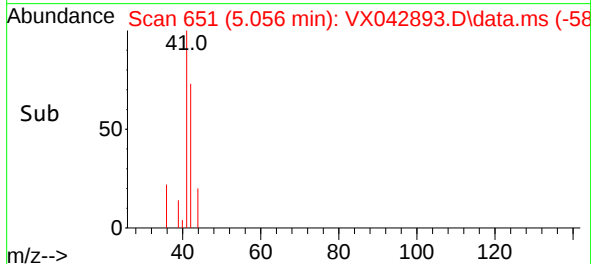
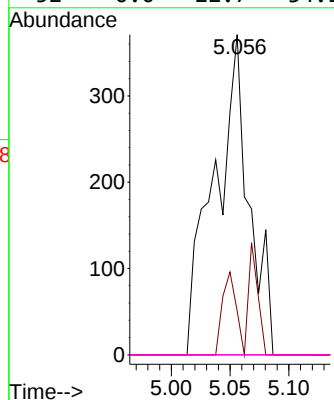
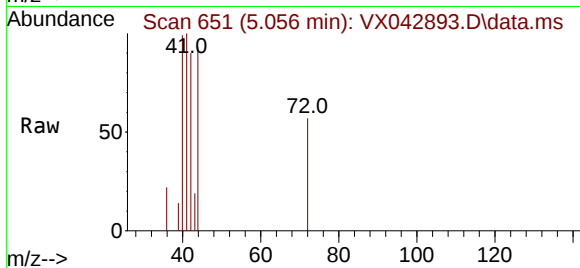




#41
Methacrylonitrile
Concen: 0.523 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.128 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

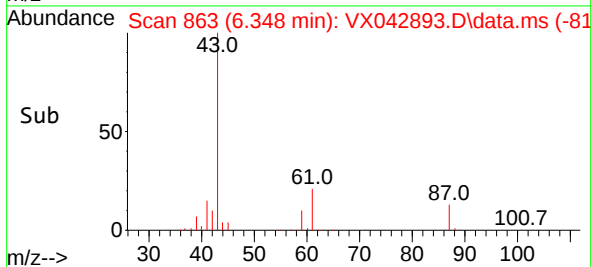
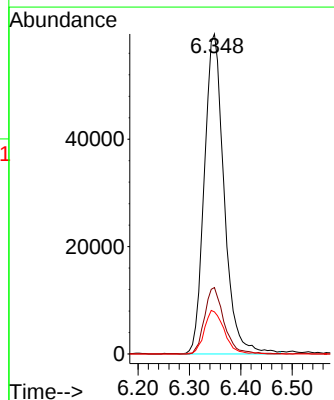
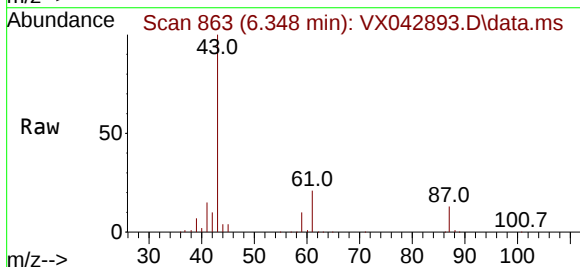
Instrument :
MSVOA_X
ClientSampleId :
TP4

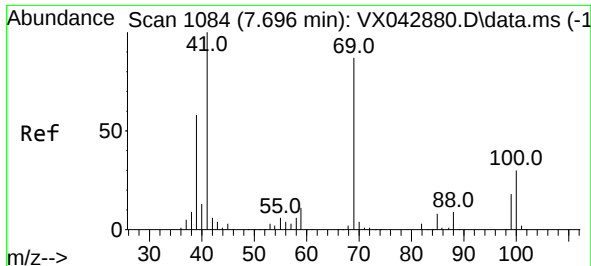
Tgt Ion:	41	Resp:	763
Ion	Ratio	Lower	Upper
41	100		
39	10.4	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 38.122 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion:	43	Resp:	159539
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.2	22.8
87	13.5	9.8	14.6

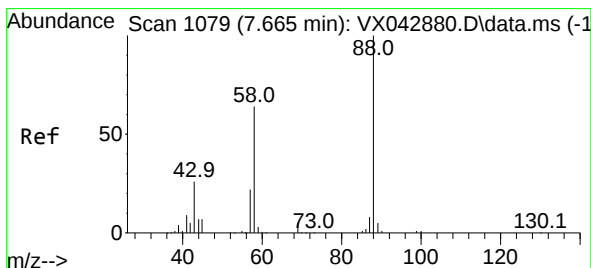
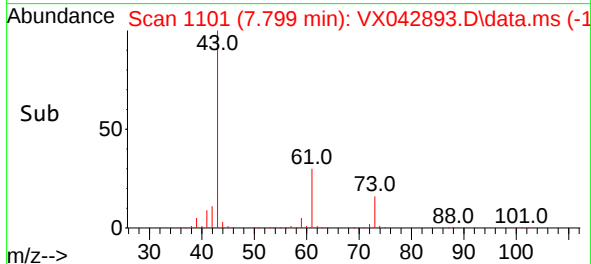
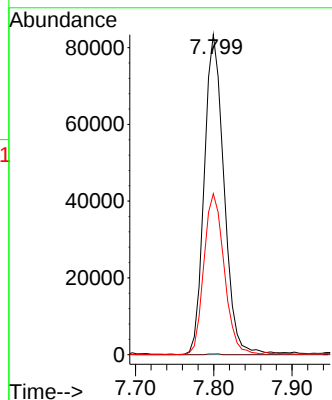
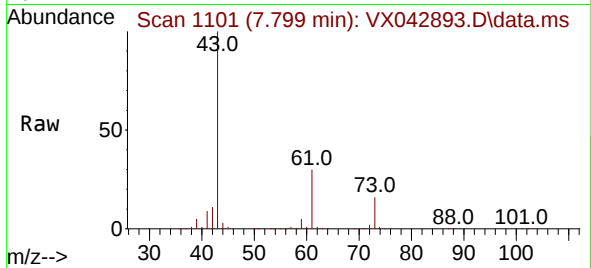




#48
Methyl methacrylate
Concen: 72.965 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

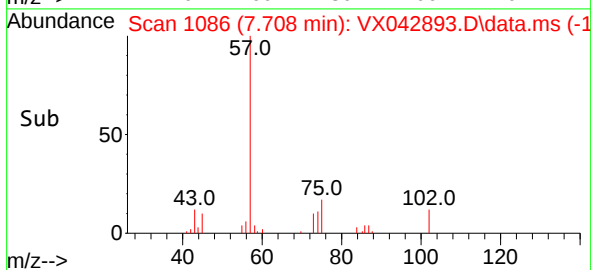
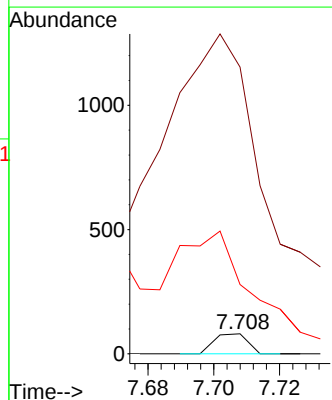
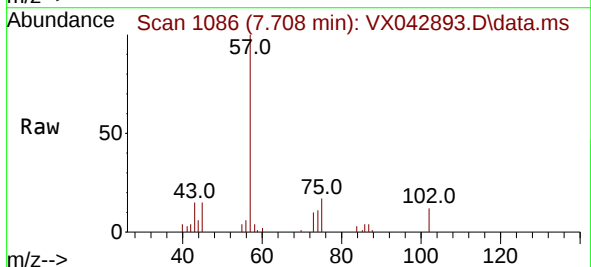
Instrument :
MSVOA_X
ClientSampleId :
TP4

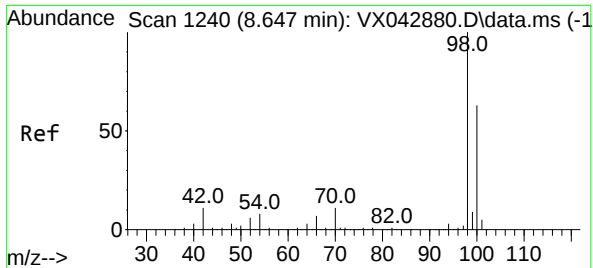
Tgt Ion: 41 Resp: 146420
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.6 47.7 71.5



#49
1,4-Dioxane
Concen: 1.280 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.043 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 1401.8 60.1 90.1#

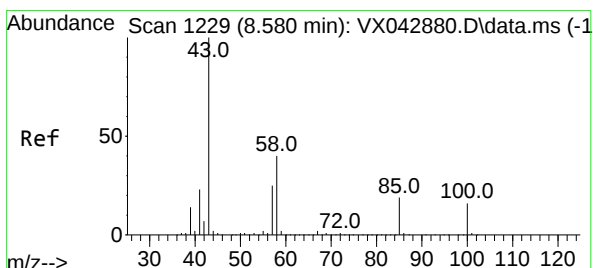
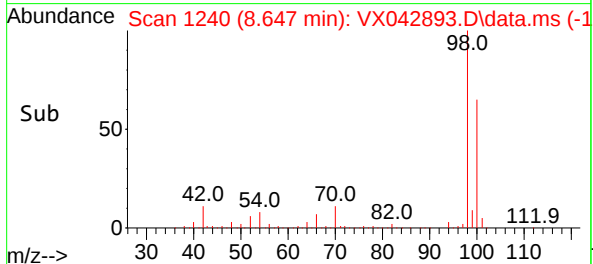
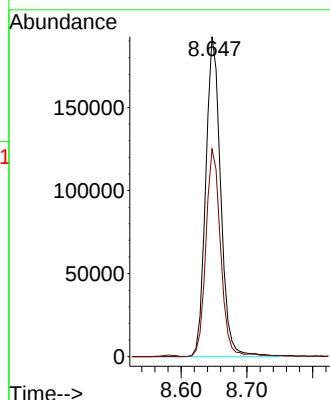
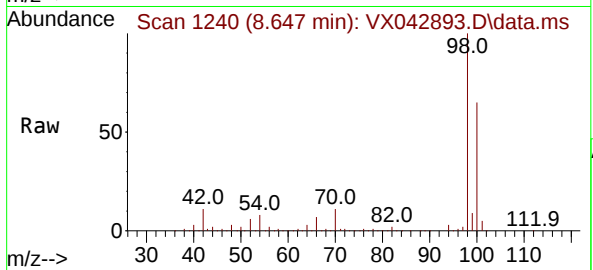




#50
Toluene-d8
Concen: 51.567 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

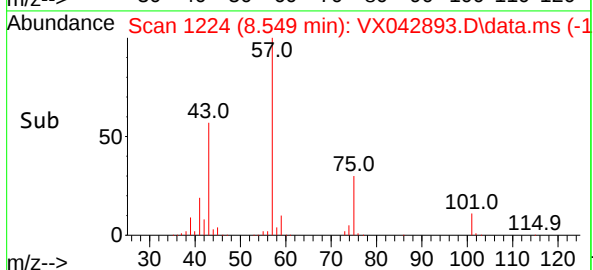
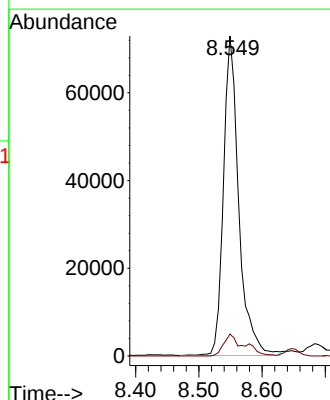
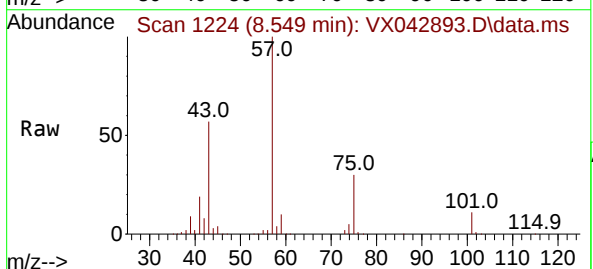
Instrument :
MSVOA_X
ClientSampleId :
TP4

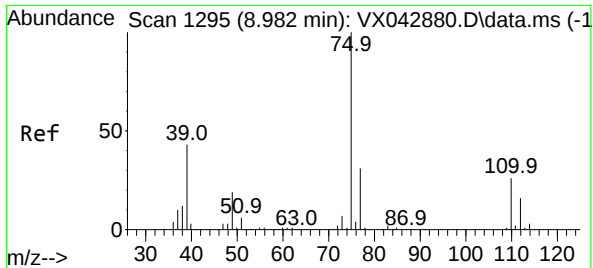
Tgt Ion: 98 Resp: 305380
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 43.488 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 43 Resp: 121909
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#

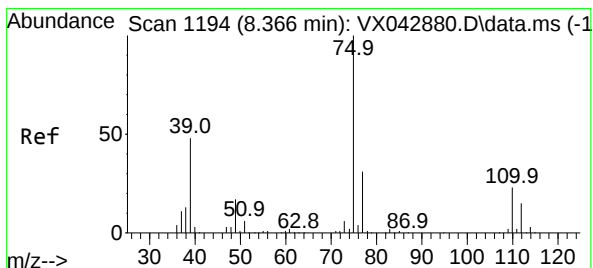
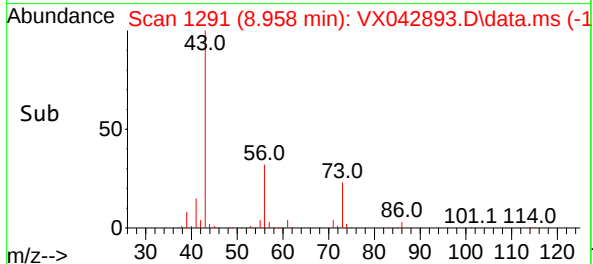
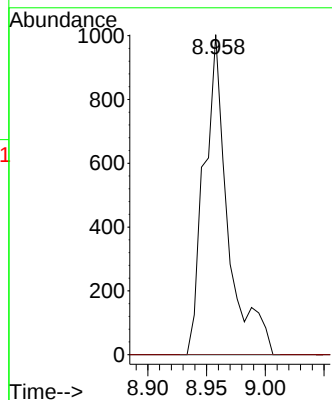
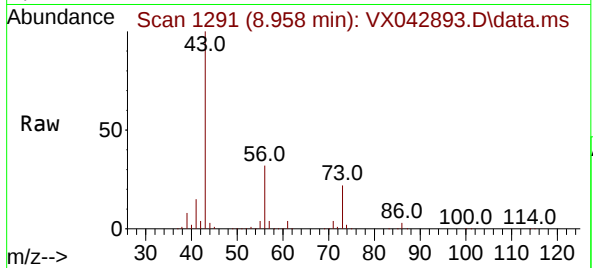




#53
 t-1,3-Dichloropropene
 Concen: 0.630 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX042893.D
 Acq: 07 Aug 2024 02:06

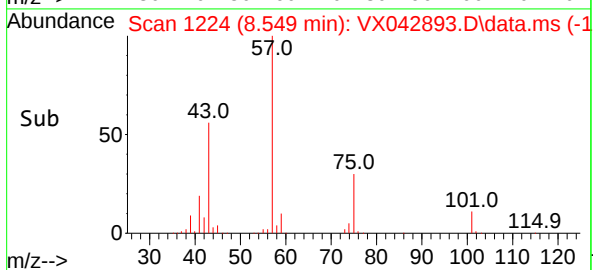
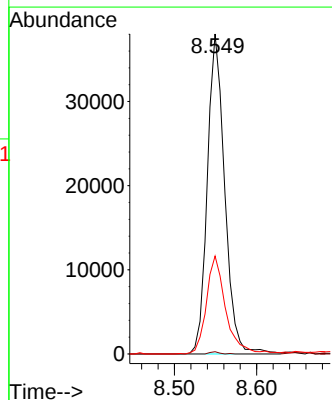
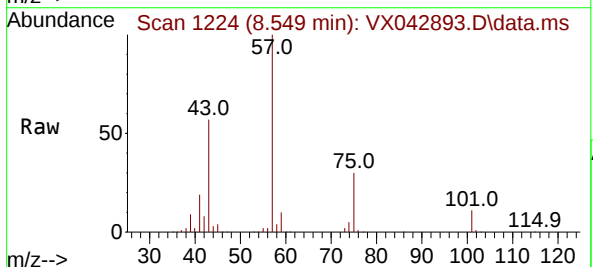
Instrument :
 MSVOA_X
 ClientSampleId :
 TP4

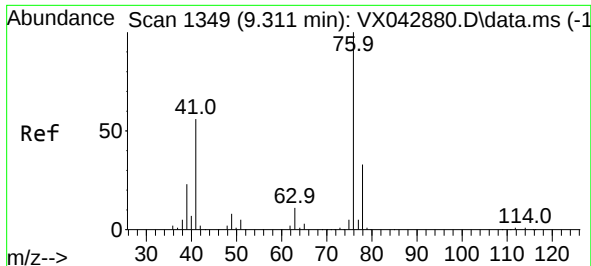
Tgt Ion: 75 Resp: 1415
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 22.491 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042893.D
 Acq: 07 Aug 2024 02:06

Tgt Ion: 75 Resp: 55780
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 30.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.545 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

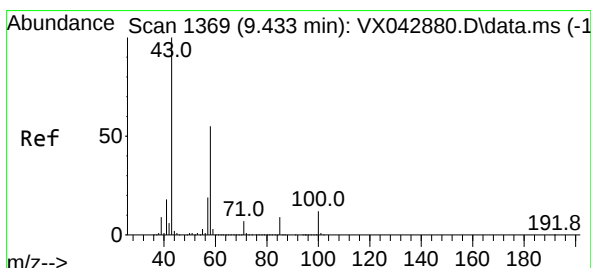
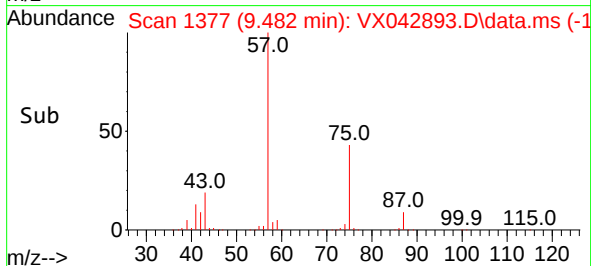
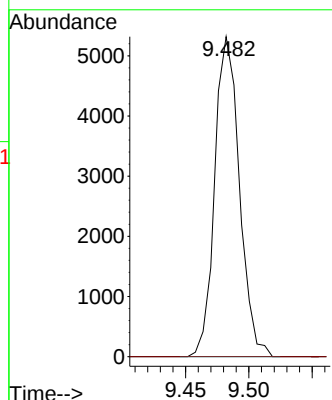
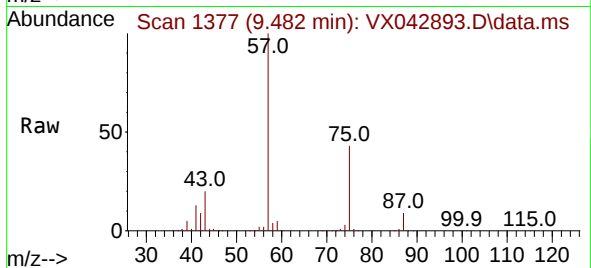
TP4

Tgt Ion: 76 Resp: 7215

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.574 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042893.D

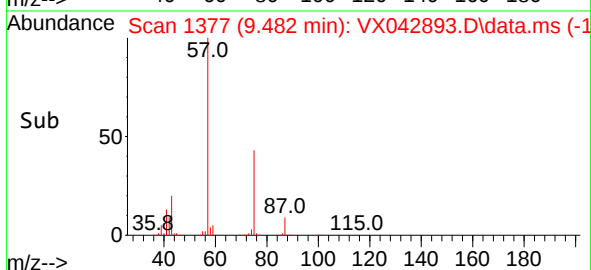
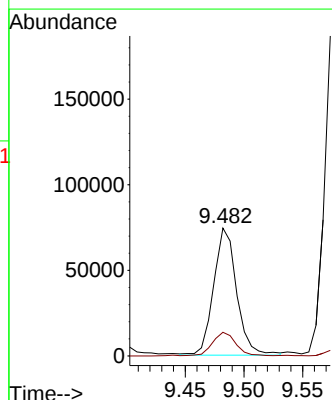
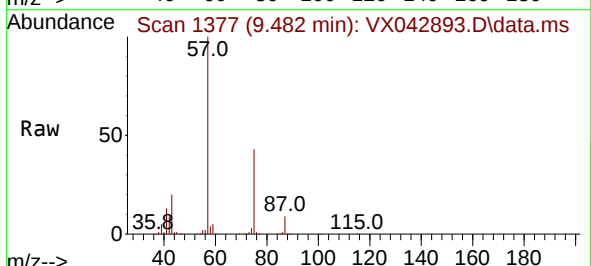
Acq: 07 Aug 2024 02:06

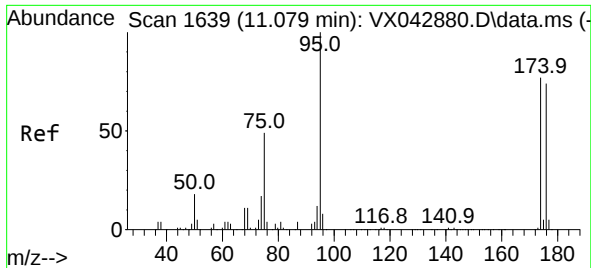
Tgt Ion: 43 Resp: 101166

Ion Ratio Lower Upper

43 100

58 18.2 26.2 78.5#

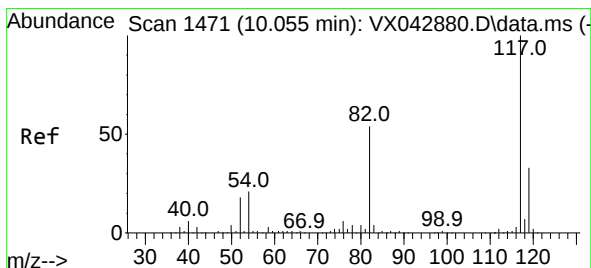
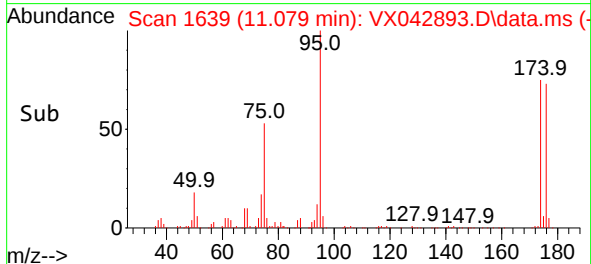
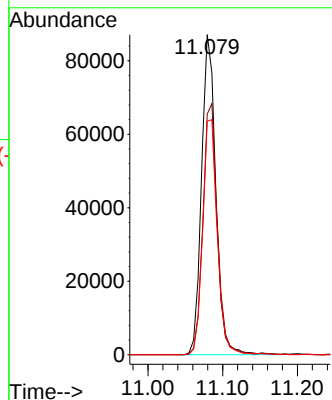
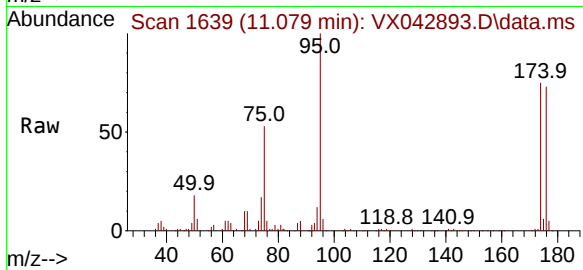




#62
4-Bromofluorobenzene
Concen: 54.320 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

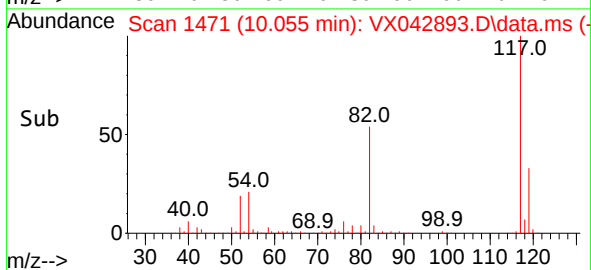
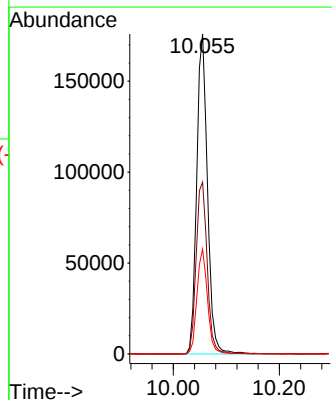
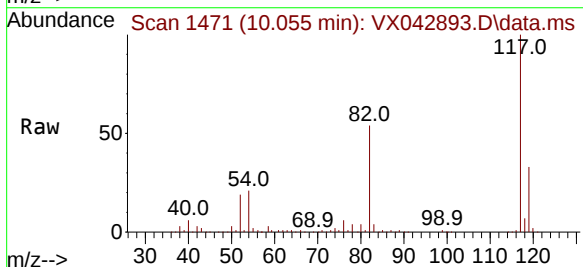
Instrument :
MSVOA_X
ClientSampleId :
TP4

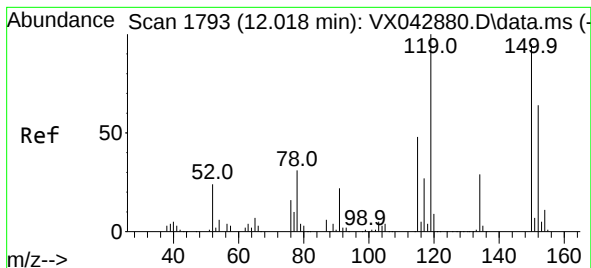
Tgt Ion: 95 Resp: 115596
Ion Ratio Lower Upper
95 100
174 79.6 0.0 135.6
176 75.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042893.D
Acq: 07 Aug 2024 02:06

Tgt Ion: 117 Resp: 248390
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 32.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4

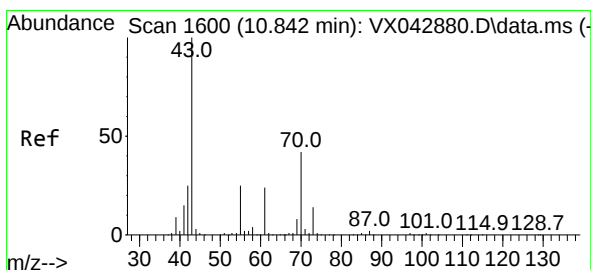
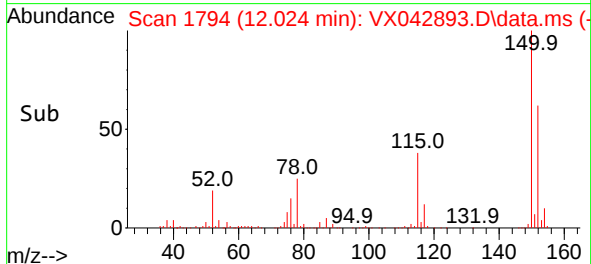
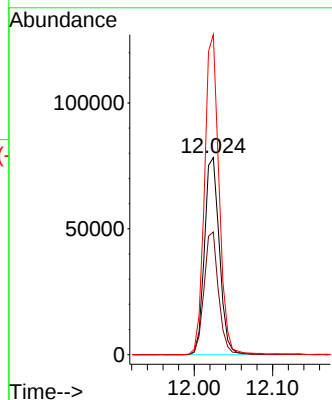
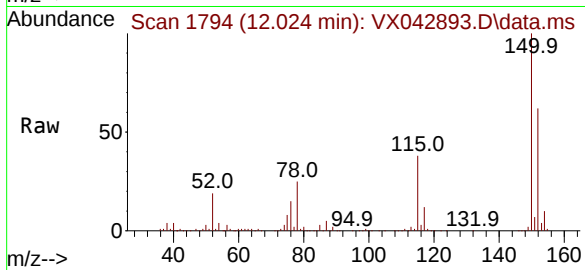
Tgt Ion:152 Resp: 103810

Ion Ratio Lower Upper

152 100

115 60.5 43.3 129.9

150 157.2 0.0 345.0



#74

N-ethyl acetate

Concen: 8.056 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Tgt Ion: 43 Resp: 27204

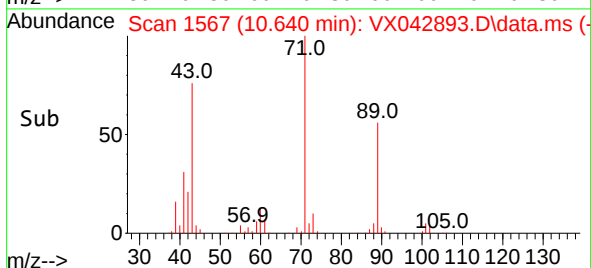
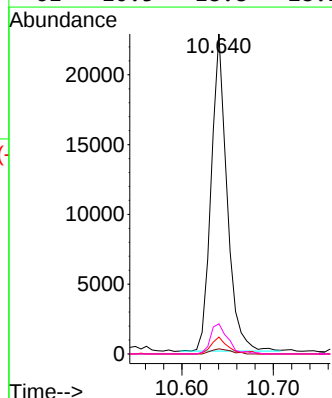
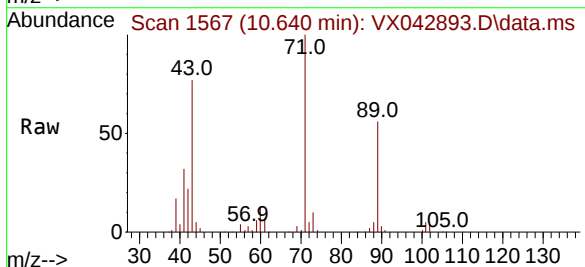
Ion Ratio Lower Upper

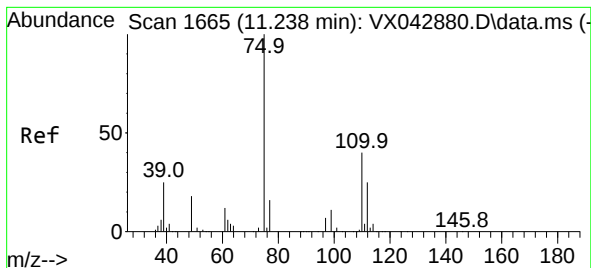
43 100

70 2.0 32.9 49.3#

55 5.7 19.3 28.9#

61 10.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.504 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

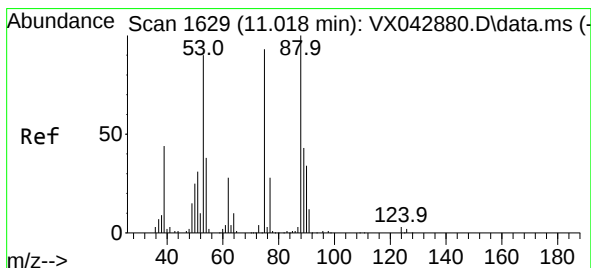
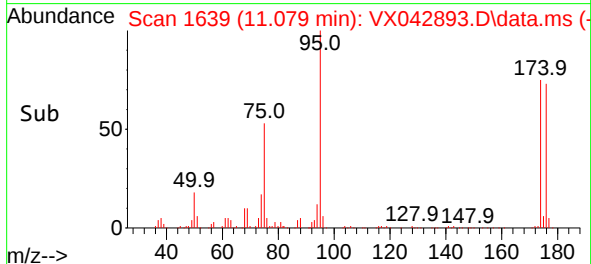
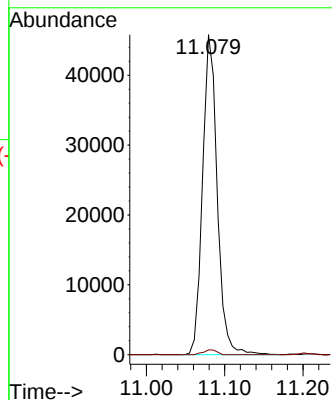
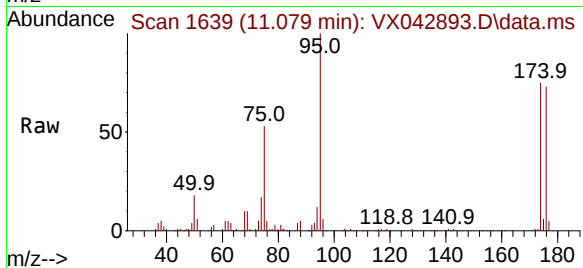
TP4

Tgt Ion: 75 Resp: 59543

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.927 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042893.D

Acq: 07 Aug 2024 02:06

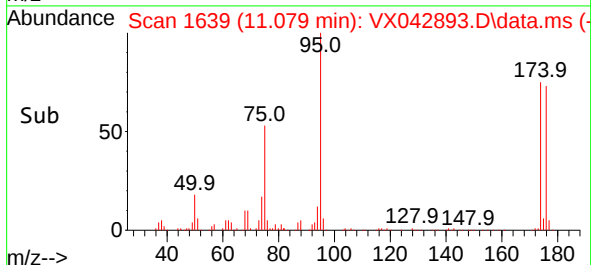
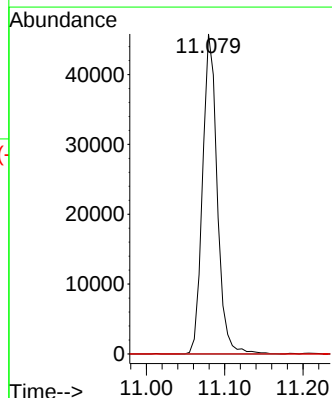
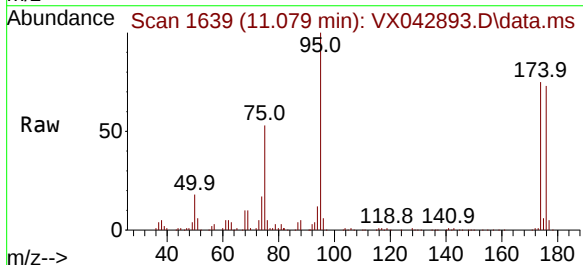
Tgt Ion: 75 Resp: 59543

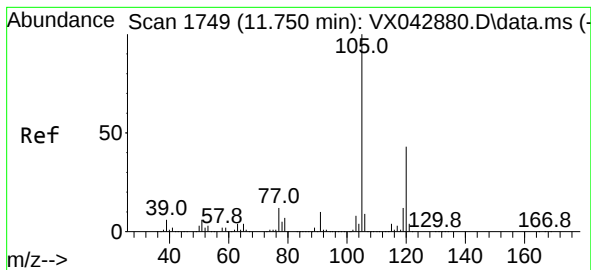
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.201 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042893.D

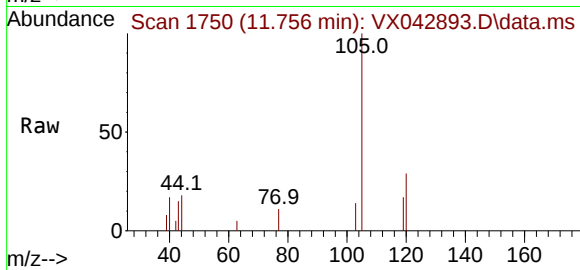
Acq: 07 Aug 2024 02:06

Instrument :

MSVOA_X

ClientSampleId :

TP4



Tgt Ion:105 Resp: 1255

Ion Ratio Lower Upper

105 100

120 40.8 21.2 63.6

