

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045292.D
 Acq On : 14 Mar 2025 13:22
 Operator : JC/MD
 Sample : Q1495-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(MAR)

Quant Time: Mar 15 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

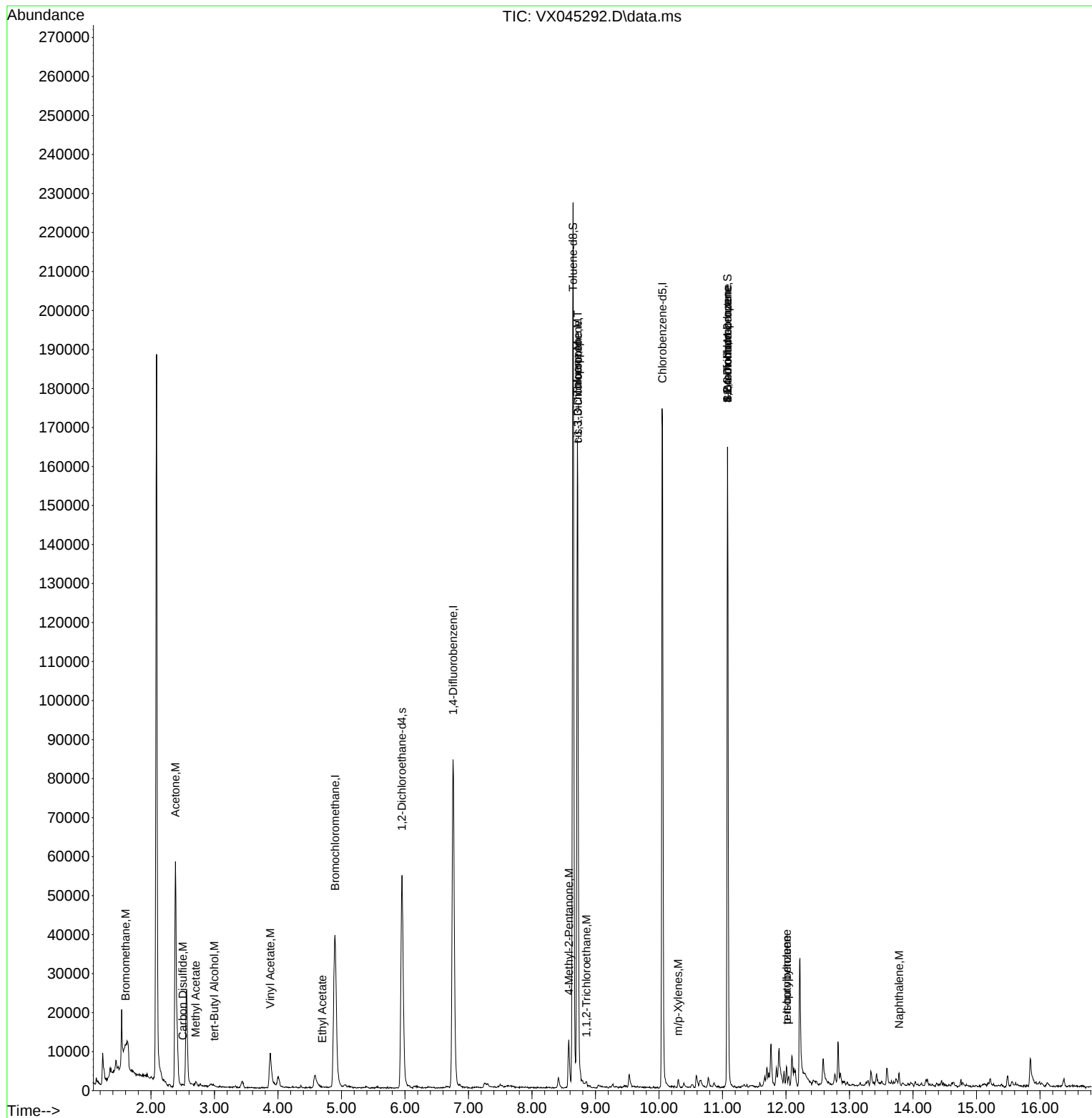
Internal Standards						
1) Bromochloromethane	4.898	128	16144	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	84818	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	76342	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	50209	32.021	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.733%
60) 4-Bromofluorobenzene	11.079	95	42702	29.926	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.767%
63) Toluene-d8	8.647	98	126300	29.905	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	122	0.223	ug/l	86
12) Methyl Acetate	2.703	43	1426	1.001	ug/l	91
15) Acetone	2.386	58	18540	97.181	ug/l	98
16) Carbon Disulfide	2.502	76	835	0.240	ug/l #	48
23) tert-Butyl Alcohol	2.995	59	177	0.729	ug/l #	100
42) Vinyl Acetate	3.879	43	1716	0.491	ug/l #	76
43) Ethyl Acetate	4.696	43	518	0.307	ug/l #	62
48) t-1,3-Dichloropropene	8.720	75	768	0.459	ug/l #	1
49) cis-1,3-Dichloropropene	8.720	75	768	0.406	ug/l #	1
50) 1,1,2-Trichloroethane	8.854	97	854	0.750	ug/l #	16
56) Bromoform	11.079	173	323	0.409	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	8093	4.660	ug/l	98
62) Toluene	8.714	91	105892	20.939	ug/l	98
67) m/p-Xylenes	10.299	106	492	0.239	ug/l	91
72) 1,2,3-Trichloropropane	11.079	75	24064	17.034	ug/l	36
77) t-1,4-Dichloro-2-butene	11.079	75	24064	50.630	ug/l #	10
79) tert-butylbenzene	12.012	119	2068	0.476	ug/l	75
82) p-Isopropyltoluene	12.012	119	2068	0.468	ug/l	91
91) Naphthalene	13.780	128	2032	0.433	ug/l	99

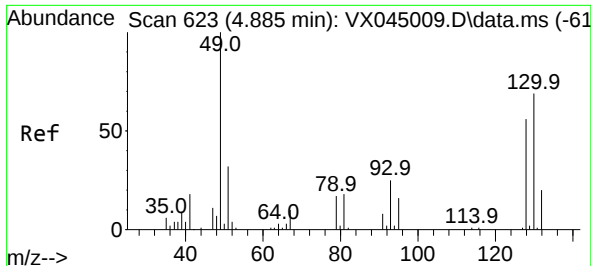
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
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Quant Time: Mar 15 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

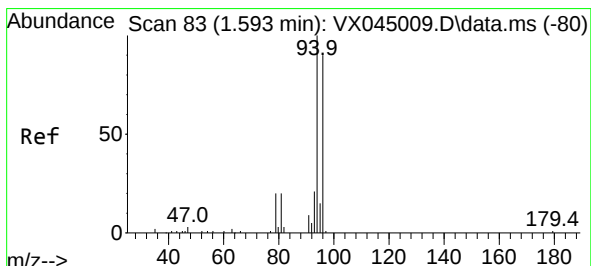
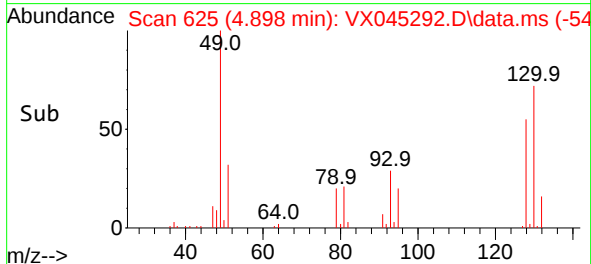
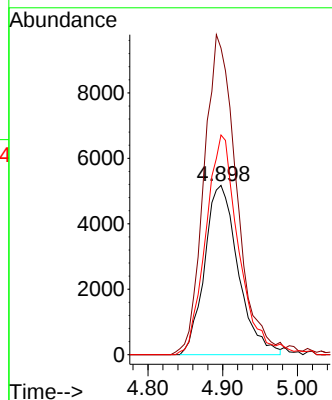
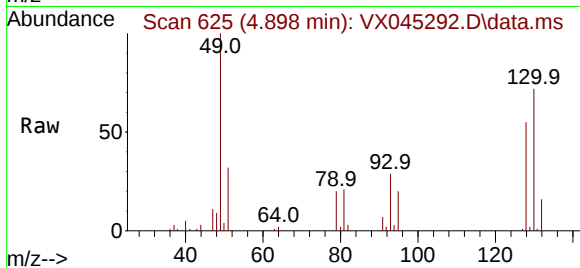




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

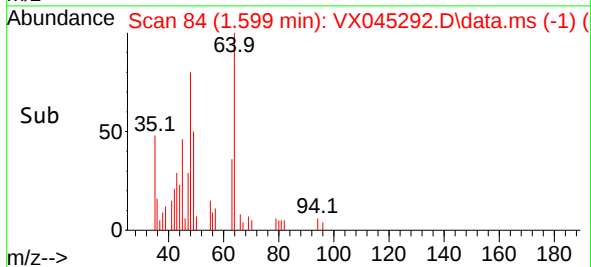
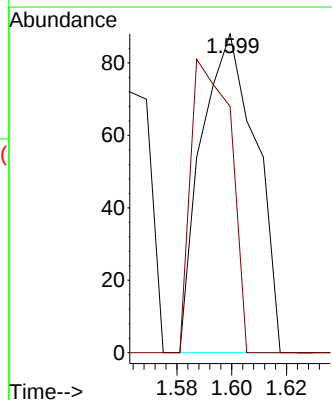
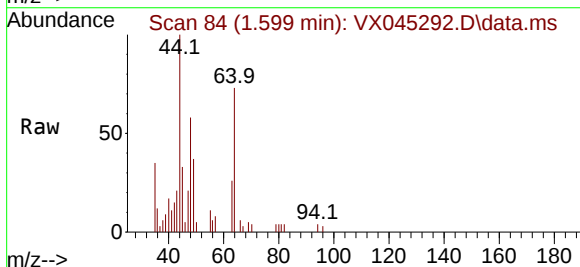
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

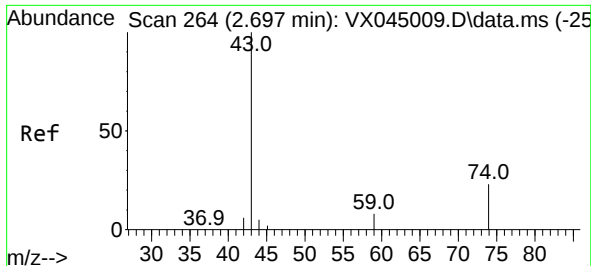
Tgt Ion:128 Resp: 16144
Ion Ratio Lower Upper
128 100
49 182.7 0.0 449.7
130 125.6 0.0 312.7



#5
Bromomethane
Concen: 0.223 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 94 Resp: 122
Ion Ratio Lower Upper
94 100
96 77.3 72.2 108.4

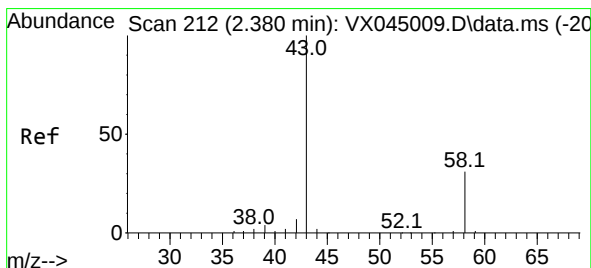
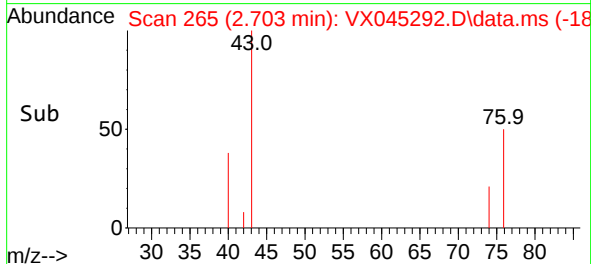
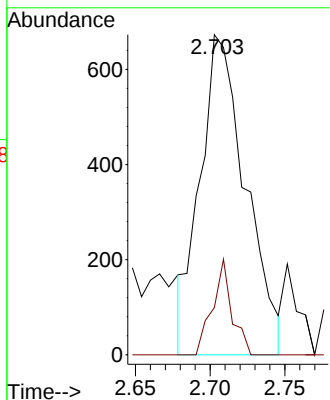
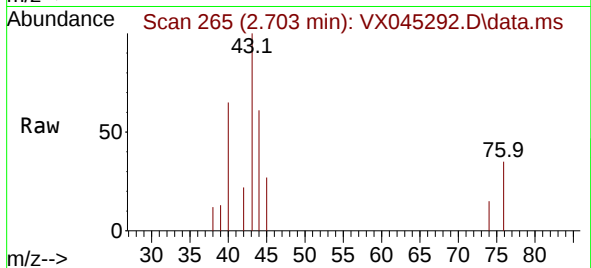




#12
Methyl Acetate
Concen: 1.001 ug/l
RT: 2.703 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

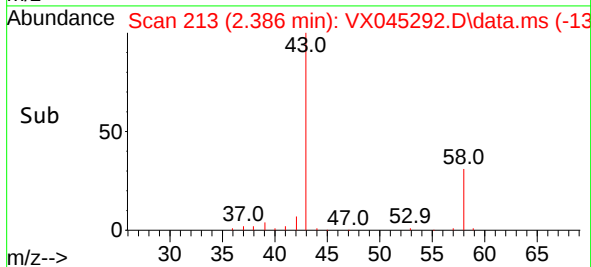
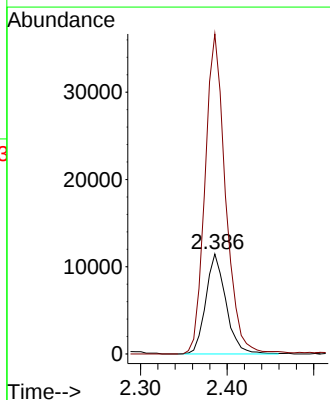
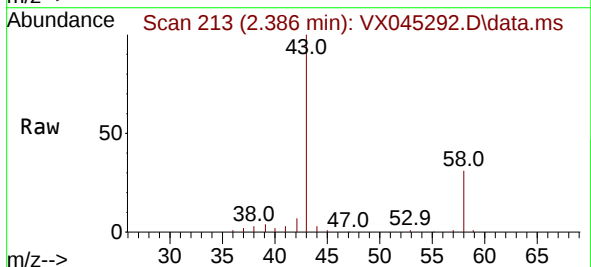
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

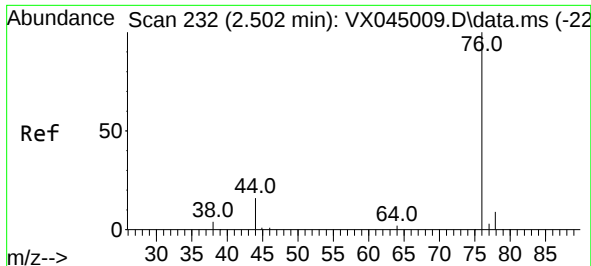
Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
74 18.1 17.9 26.9



#15
Acetone
Concen: 97.181 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 58 Resp: 18540
Ion Ratio Lower Upper
58 100
43 320.1 258.6 388.0

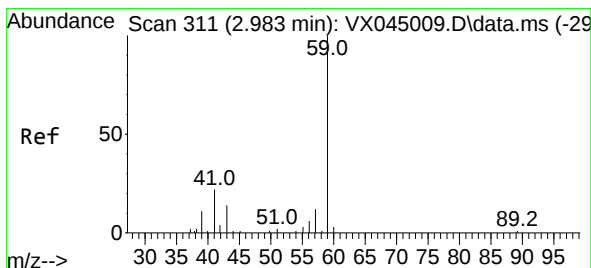
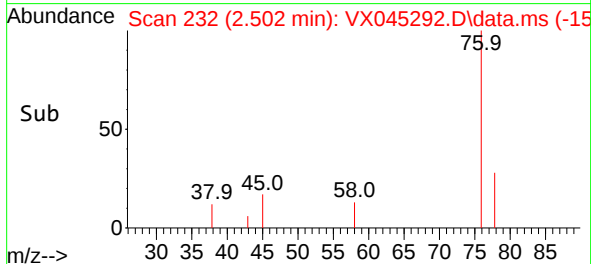
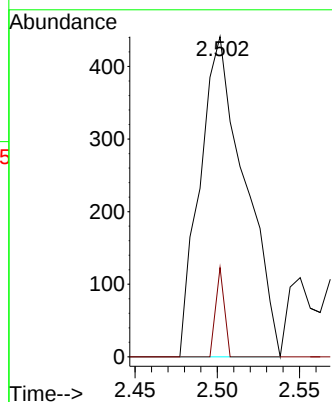
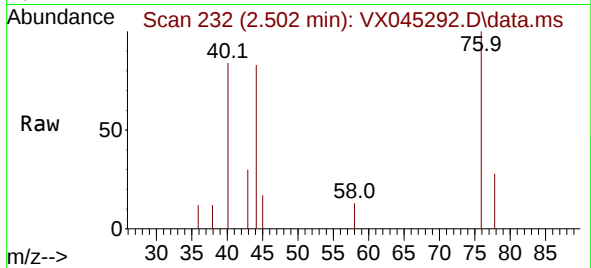




#16
Carbon Disulfide
Concen: 0.240 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

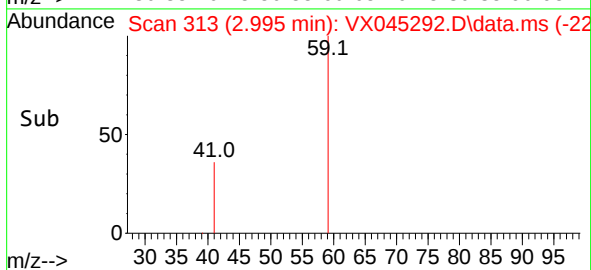
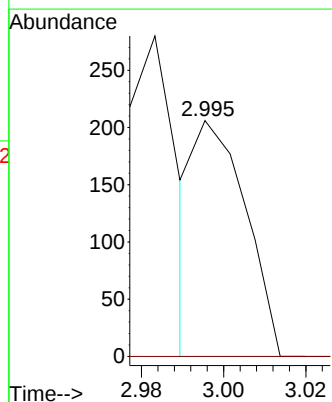
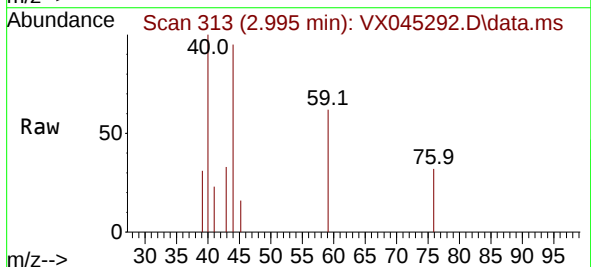
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

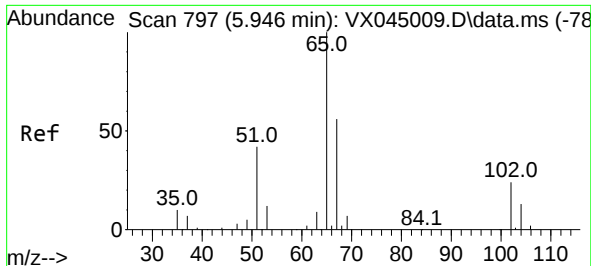
Tgt Ion: 76 Resp: 835
Ion Ratio Lower Upper
76 100
78 27.9 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 0.729 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.012 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 32.021 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

Instrument :

MSVOA_X

ClientSampleId :

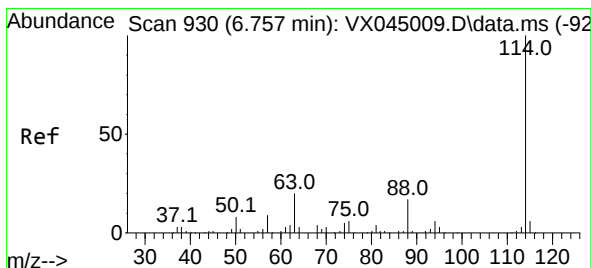
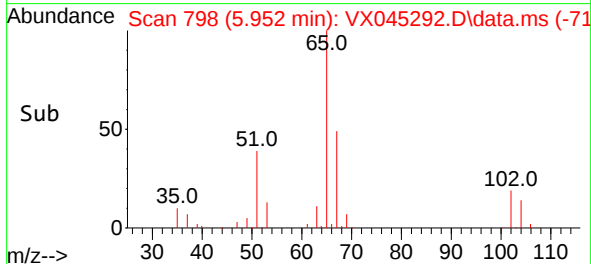
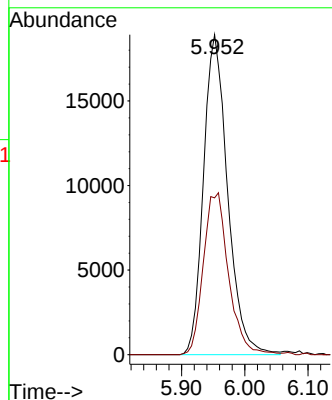
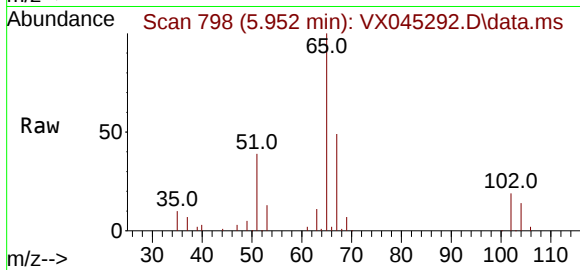
002-35TH-AVE(MAR)

Tgt Ion: 65 Resp: 50209

Ion Ratio Lower Upper

65 100

67 52.9 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045292.D

Acq: 14 Mar 2025 13:22

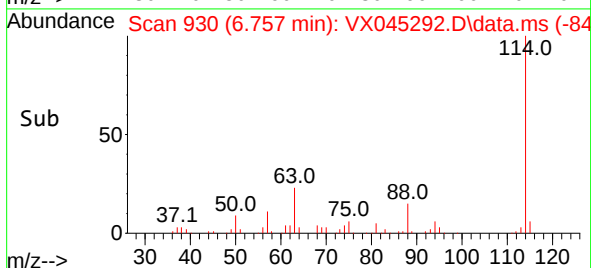
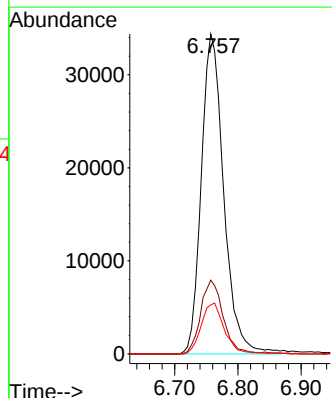
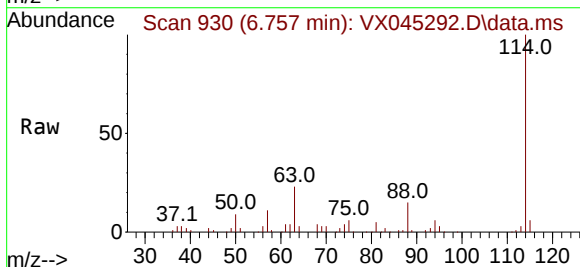
Tgt Ion: 114 Resp: 84818

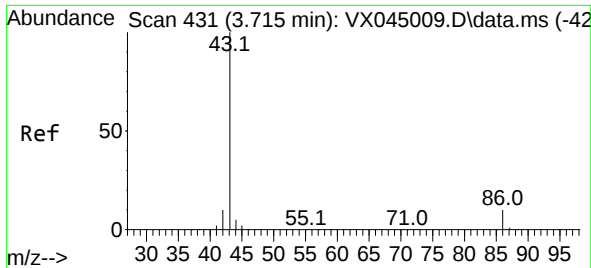
Ion Ratio Lower Upper

114 100

63 22.9 16.8 25.2

88 16.1 12.7 19.1

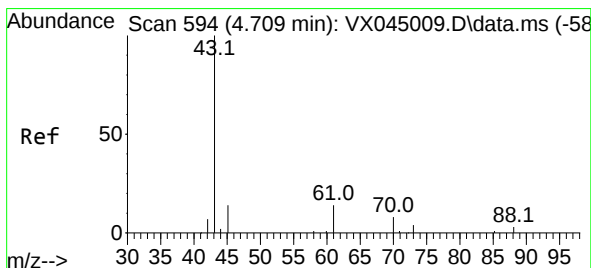
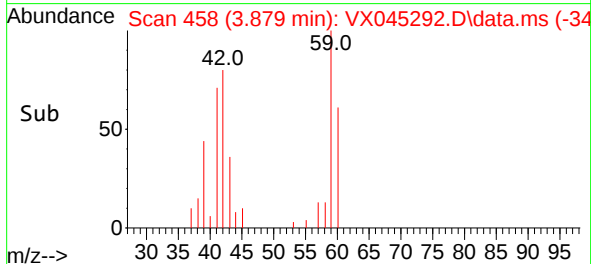
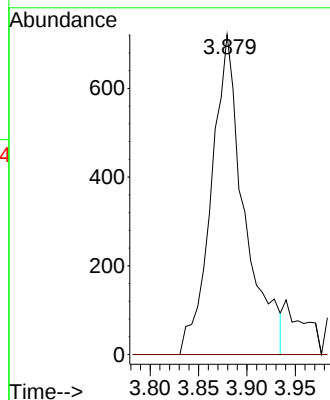
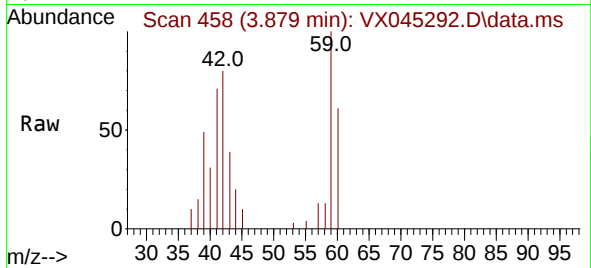




#42
 Vinyl Acetate
 Concen: 0.491 ug/l
 RT: 3.879 min Scan# 41
 Delta R.T. 0.165 min
 Lab File: VX045292.D
 Acq: 14 Mar 2025 13:22

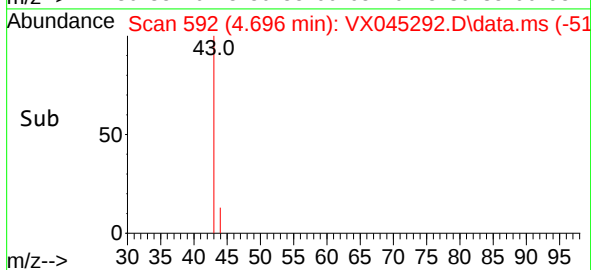
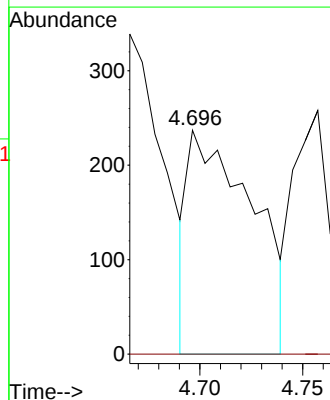
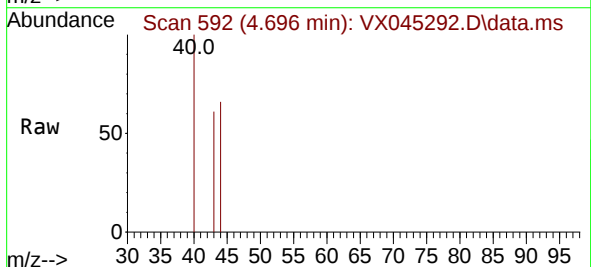
Instrument :
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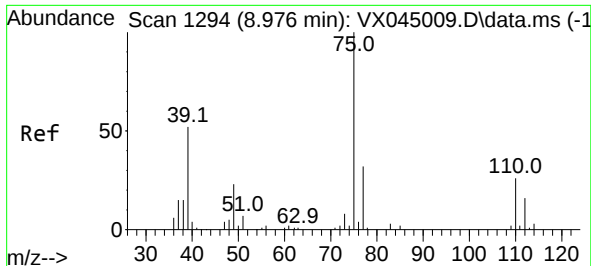
Tgt Ion: 43 Resp: 1716
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.0 10.4#



#43
 Ethyl Acetate
 Concen: 0.307 ug/l
 RT: 4.696 min Scan# 592
 Delta R.T. -0.012 min
 Lab File: VX045292.D
 Acq: 14 Mar 2025 13:22

Tgt Ion: 43 Resp: 518
 Ion Ratio Lower Upper
 43 100
 45 0.0 12.7 19.1#

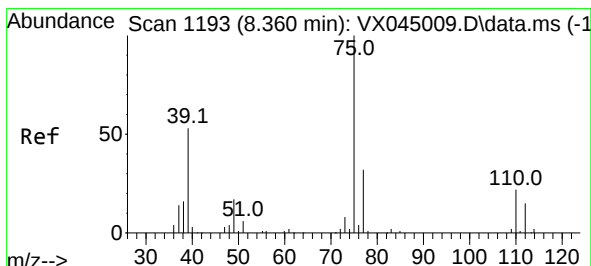
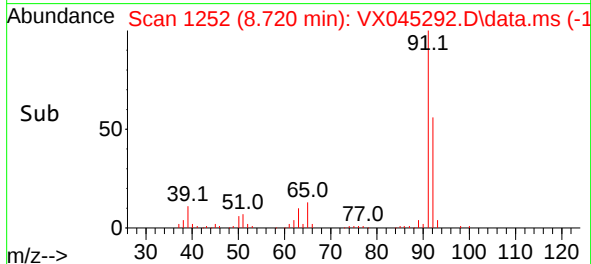
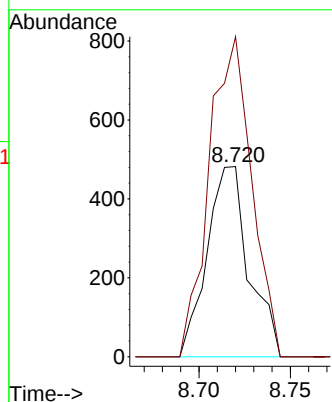
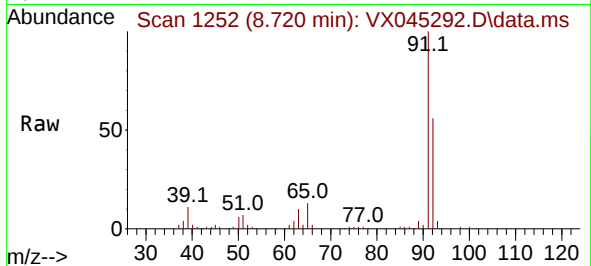




#48
 t-1,3-Dichloropropene
 Concen: 0.459 ug/l
 RT: 8.720 min Scan# 11
 Delta R.T. -0.256 min
 Lab File: VX045292.D
 Acq: 14 Mar 2025 13:22

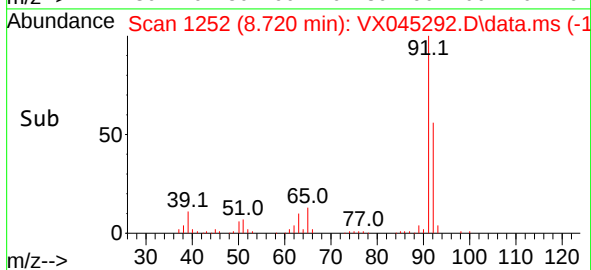
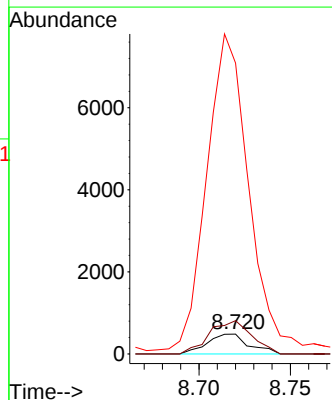
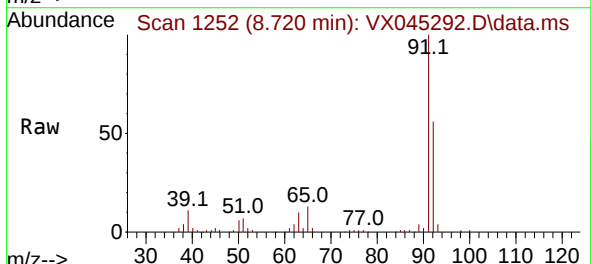
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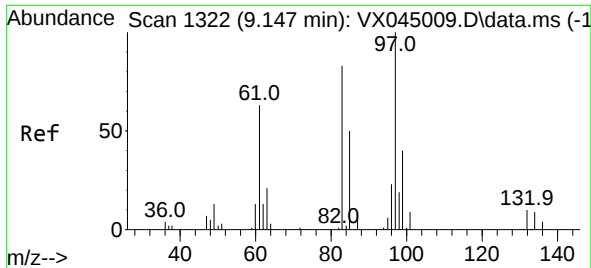
Tgt Ion: 75 Resp: 768
 Ion Ratio Lower Upper
 75 100
 77 168.3 25.7 38.5#



#49
 cis-1,3-Dichloropropene
 Concen: 0.406 ug/l
 RT: 8.720 min Scan# 1252
 Delta R.T. 0.360 min
 Lab File: VX045292.D
 Acq: 14 Mar 2025 13:22

Tgt Ion: 75 Resp: 768
 Ion Ratio Lower Upper
 75 100
 77 168.3 25.9 38.9#
 39 1406.2 42.3 63.5#

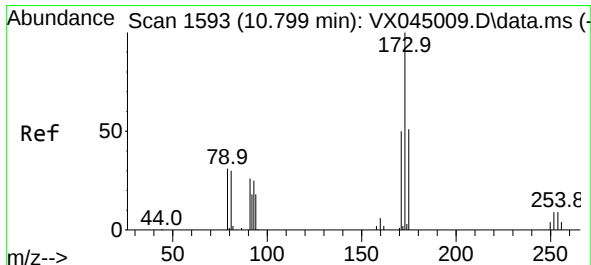
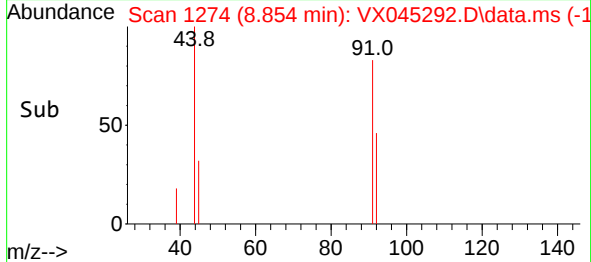
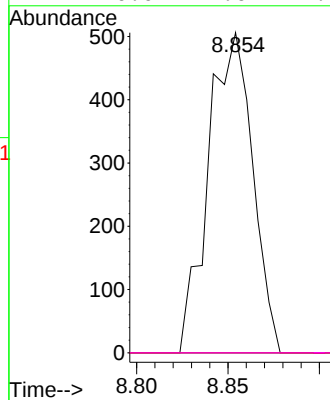
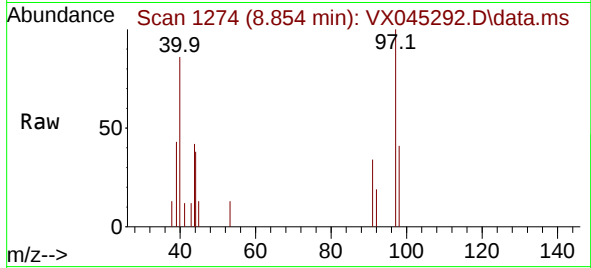




#50
1,1,2-Trichloroethane
Concen: 0.750 ug/l
RT: 8.854 min Scan# 1639
Delta R.T. -0.293 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

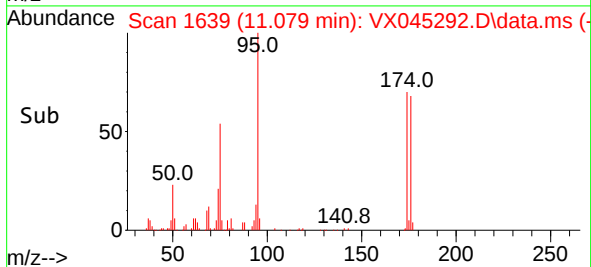
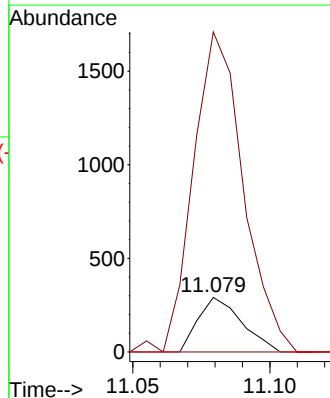
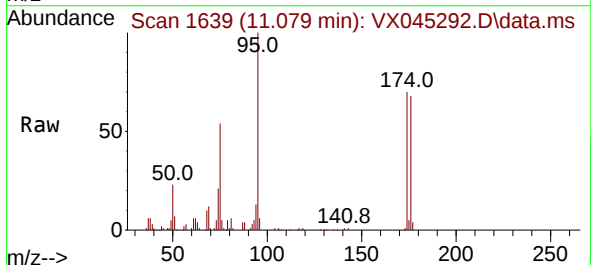
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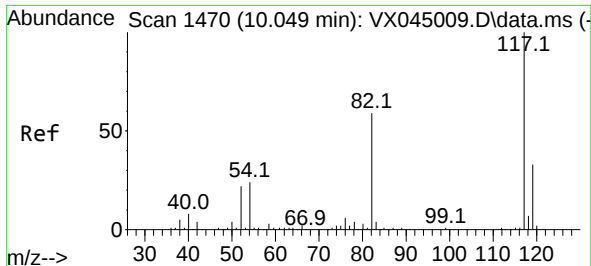
Tgt Ion: 97	Resp:	854	
Ion	Ratio	Lower	Upper
97	100		
83	0.0	66.0	99.0#
85	0.0	42.5	63.7#
99	0.0	49.6	74.4#



#56
Bromoform
Concen: 0.409 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt	Ion:173	Resp:	323
Ion	Ratio	Lower	Upper
173	100		
175	667.5	39.6	59.4#
254	0.0	6.3	9.5#

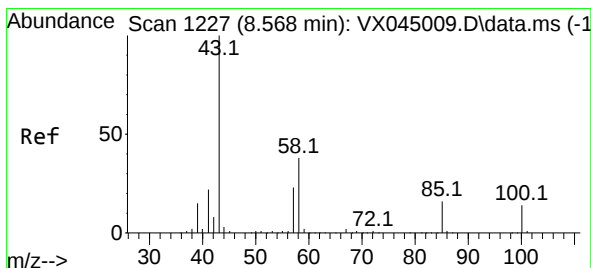
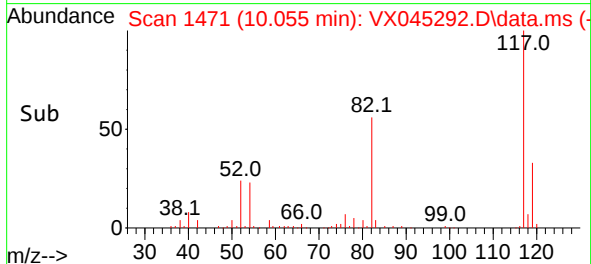
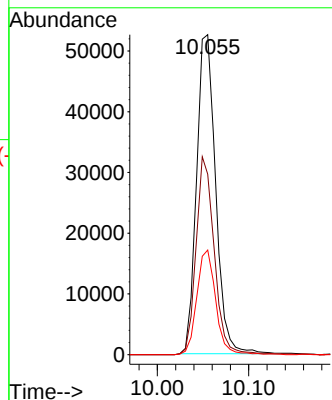
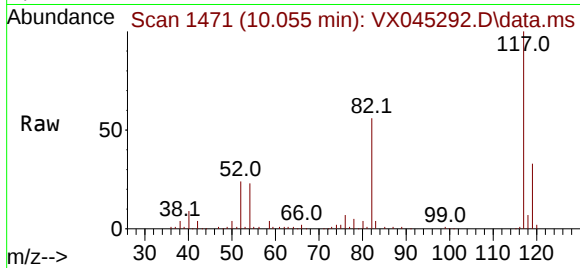




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

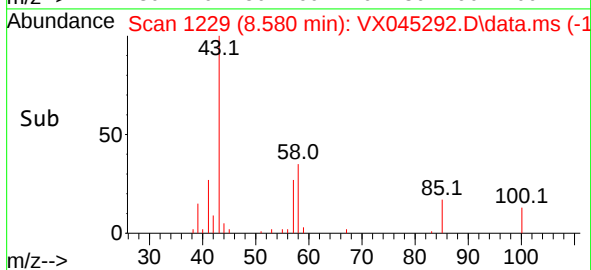
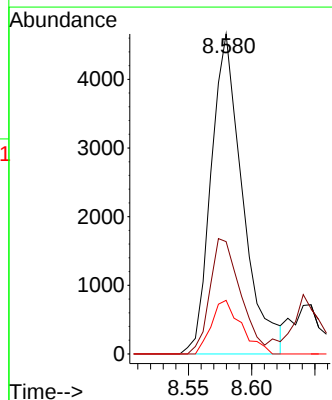
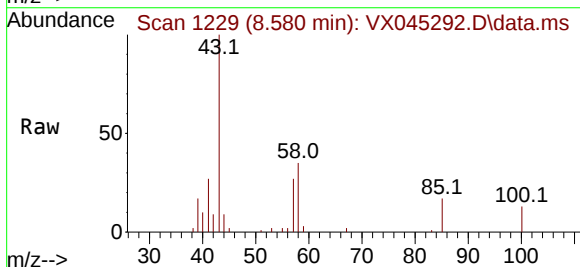
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

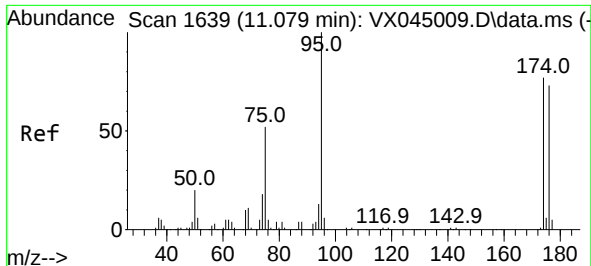
Tgt Ion:117 Resp: 76342
Ion Ratio Lower Upper
117 100
82 59.0 45.8 68.8
119 32.4 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 4.660 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 43 Resp: 8093
Ion Ratio Lower Upper
43 100
58 34.9 29.5 44.3
85 16.0 12.9 19.3

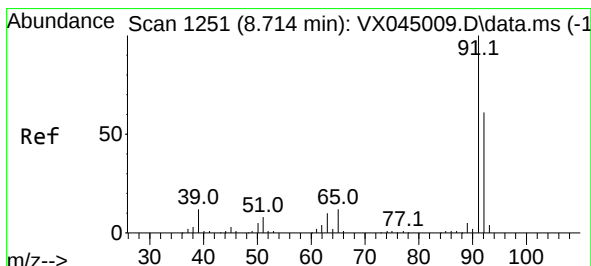
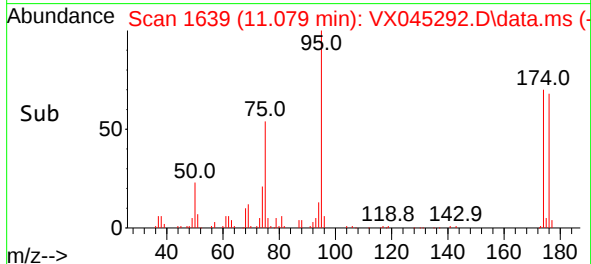
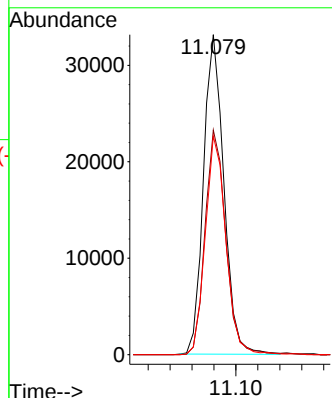
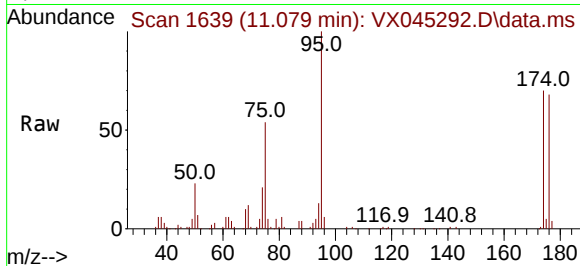




#60
4-Bromofluorobenzene
Concen: 29.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

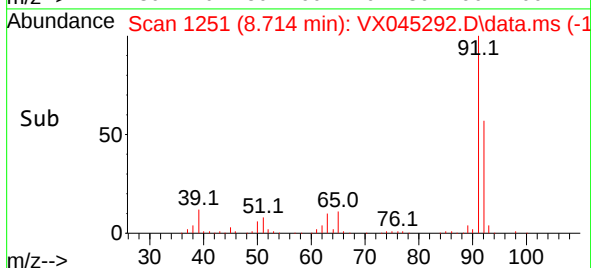
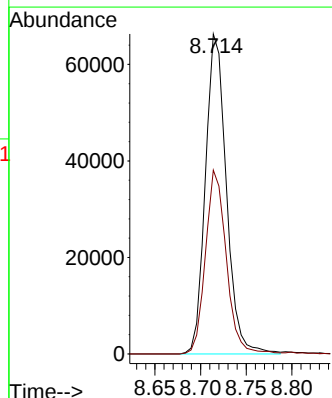
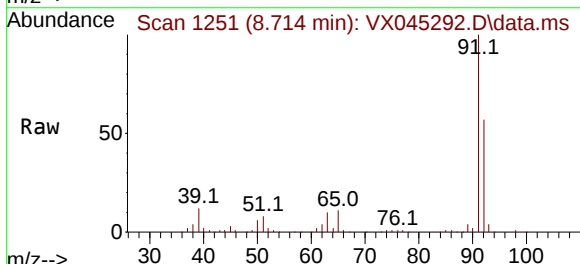
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

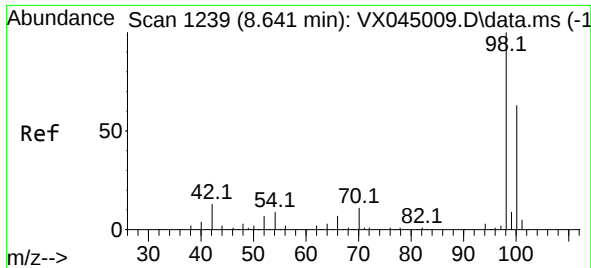
Tgt Ion: 95 Resp: 42702
Ion Ratio Lower Upper
95 100
174 71.1 59.5 89.3
176 68.9 55.5 83.3



#62
Toluene
Concen: 20.939 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 91 Resp: 105892
Ion Ratio Lower Upper
91 100
92 57.1 46.9 70.3

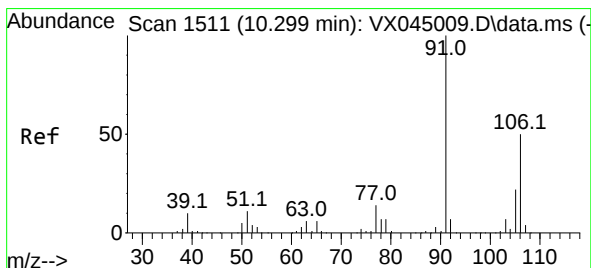
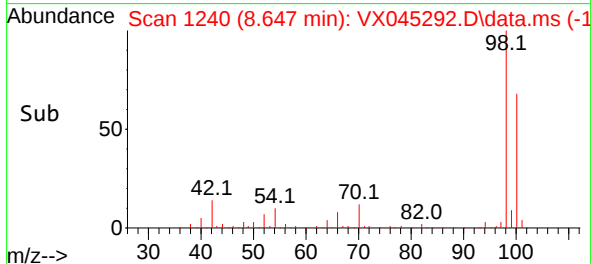
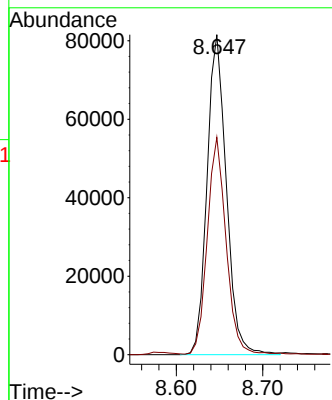
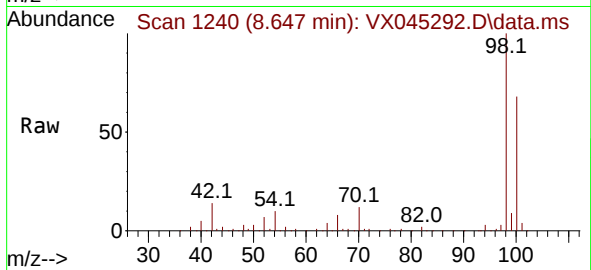




#63
Toluene-d8
Concen: 29.905 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

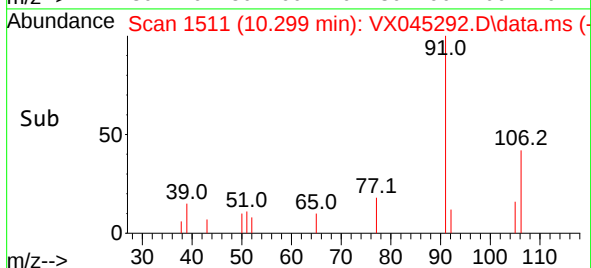
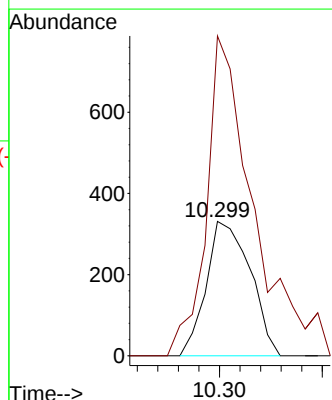
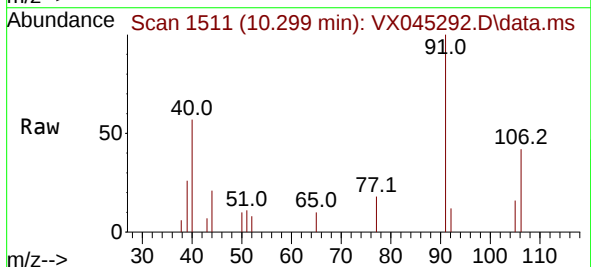
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

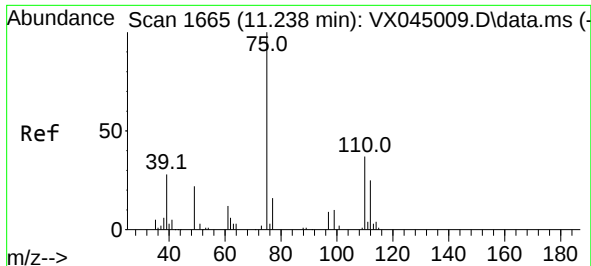
Tgt Ion: 98 Resp: 126300
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5



#67
m/p-Xylenes
Concen: 0.239 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion:106 Resp: 492
Ion Ratio Lower Upper
106 100
91 217.9 163.7 245.5

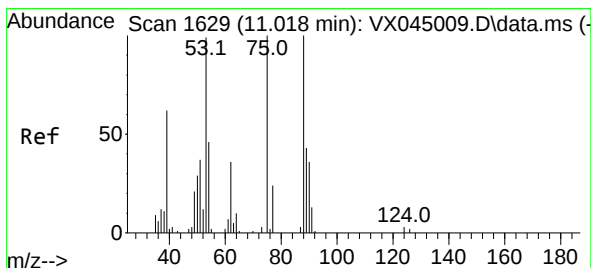
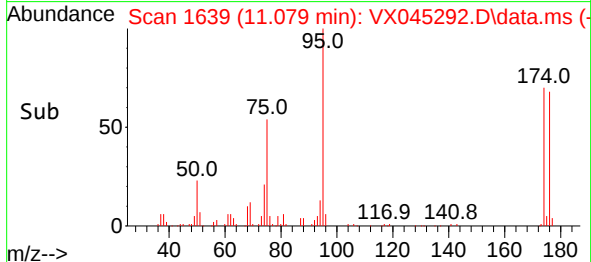
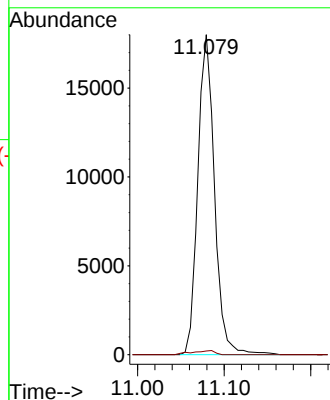
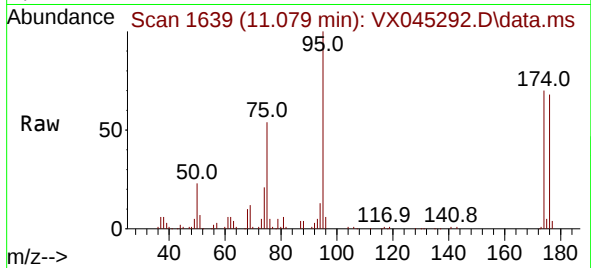




#72
1,2,3-Trichloropropane
Concen: 17.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

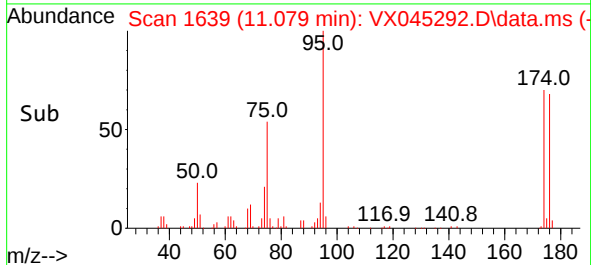
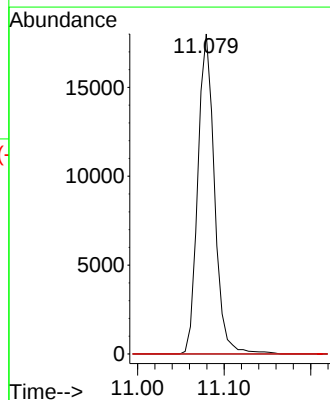
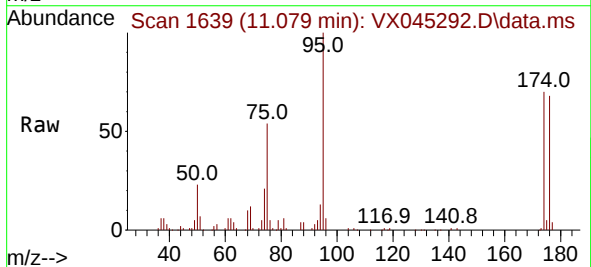
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

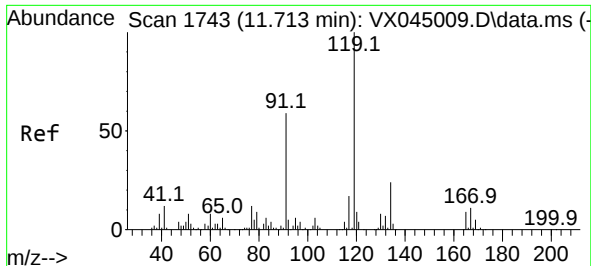
Tgt Ion: 75 Resp: 24064
Ion Ratio Lower Upper
75 100
77 1.7 0.0 84.0



#77
t-1,4-Dichloro-2-butene
Concen: 50.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Tgt Ion: 75 Resp: 24064
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

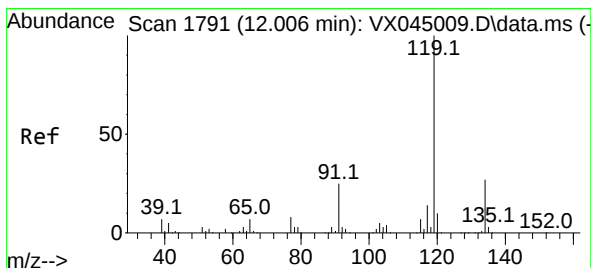
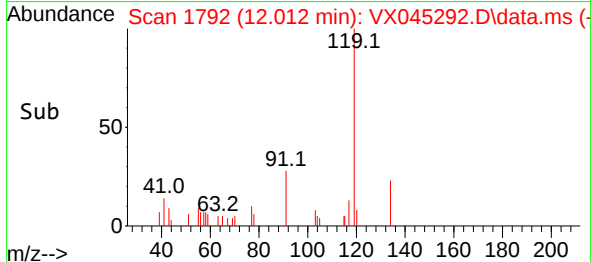
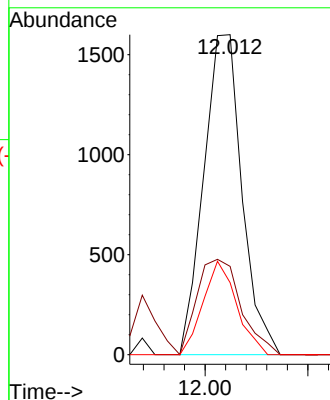
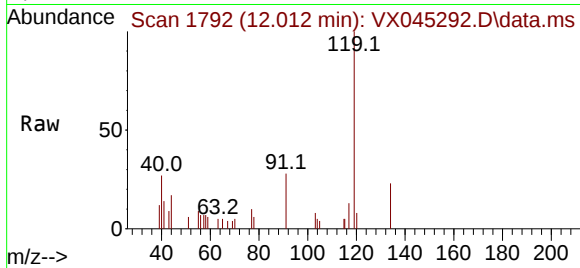




#79
tert-butylbenzene
Concen: 0.476 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.299 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

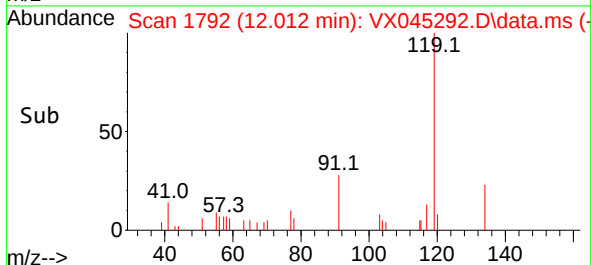
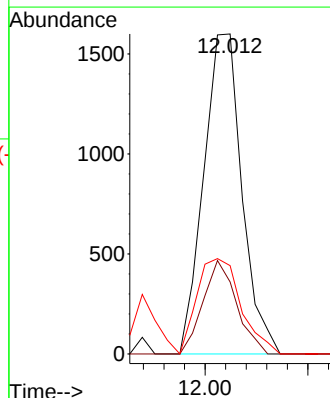
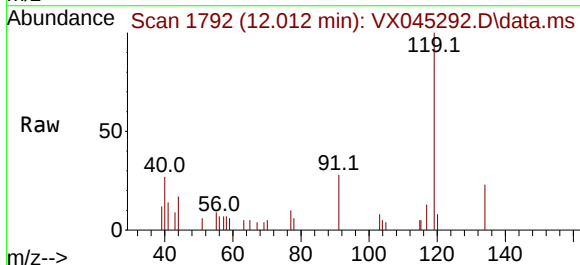
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)

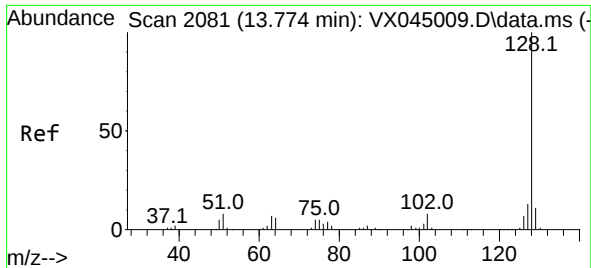
Tgt Ion:	119	Resp:	2068
Ion	Ratio	Lower	Upper
119	100		
91	34.3	0.0	120.6
134	25.7	0.0	48.2



#82
p-Isopropyltoluene
Concen: 0.468 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

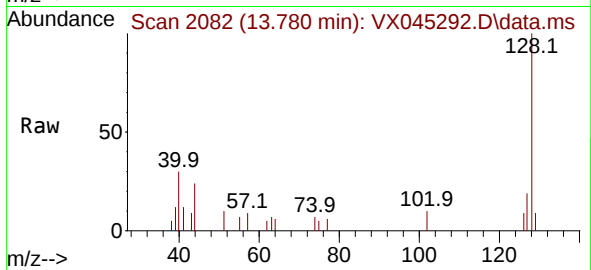
Tgt Ion:	119	Resp:	2068
Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	52.6
91	34.3	0.0	51.0





#91
Naphthalene
Concen: 0.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045292.D
Acq: 14 Mar 2025 13:22

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAR)



Tgt Ion:	128	Resp:	2032
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

