

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
 Data File : VU063032.D
 Acq On : 27 Jan 2025 21:53
 Operator : MD/SY
 Sample : Q1196-01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 29 07:31:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 29 07:27:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.293	114	91723	5.000	ug/L	0.05
28) Chlorobenzene-d5	9.421	117	82941	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.804	152	50234	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.631	65	11377	3.450	ug/L	0.04
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.000%
7) Chloroethane-d5	1.949	69	11489	4.589	ug/L	0.07
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.608	65	7064	3.582	ug/L	0.06
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.600%
20) 2-Butanone-d5	4.724	46	20895	21.834	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	43.660%
24) Chloroform-d	5.106	84	53670	4.098	ug/L	0.06
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.766	65	30972	4.142	ug/L	0.08
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
32) Benzene-d6	5.785	84	80169	4.230	ug/L	0.07
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.727	67	20098	4.165	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.200%
41) Toluene-d8	7.913	98	80420	4.291	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.193	79	12893	4.315	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.647	63	30095	40.372	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.740%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	18389	4.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.200%
66) 1,2-Dichlorobenzene-d4	12.183	152	39542	4.397	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.618	50	39087	9.890	ug/L #	68
5) Vinyl chloride	1.637	62	717	0.162	ug/L #	1
8) Chloroethane	1.637	64	387	0.174	ug/L	85
13) Acetone	2.743	43	3355	5.422	ug/L	87
14) Carbon disulfide	2.833	76	9111	0.746	ug/L	99
16) Methylene chloride	3.084	84	1127	0.224	ug/L	83
19) 1,1-Dichloroethane	3.907	63	4160	0.471	ug/L	97
33) Benzene	5.830	78	21677	1.079	ug/L	100
34) Trichloroethene	6.579	95	9505	1.392	ug/L	85
35) Methylcyclohexane	6.724	83	7173	0.834	ug/L #	21
37) 1,2-Dichloropropane	6.724	63	2974	0.658	ug/L #	85
39) cis-1,3-Dichloropropene	7.595	75	1147	0.135	ug/L	90
40) 4-Methyl-2-pentanone	7.817	43	9555	4.383	ug/L	93
42) Toluene	7.984	91	133169	5.576	ug/L	98
47) Tetrachloroethene	8.560	164	253062	42.612	ug/L	93
48) 2-Hexanone	8.647	43	6131	4.054	ug/L #	59
49) Dibromochloromethane	8.560	129	235505	35.481	ug/L #	12
52) Ethylbenzene	9.573	91	49092	1.764	ug/L	98
53) m,p-Xylene	9.692	106	61212	5.695	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 07:27:08 2025
Response via : Initial Calibration

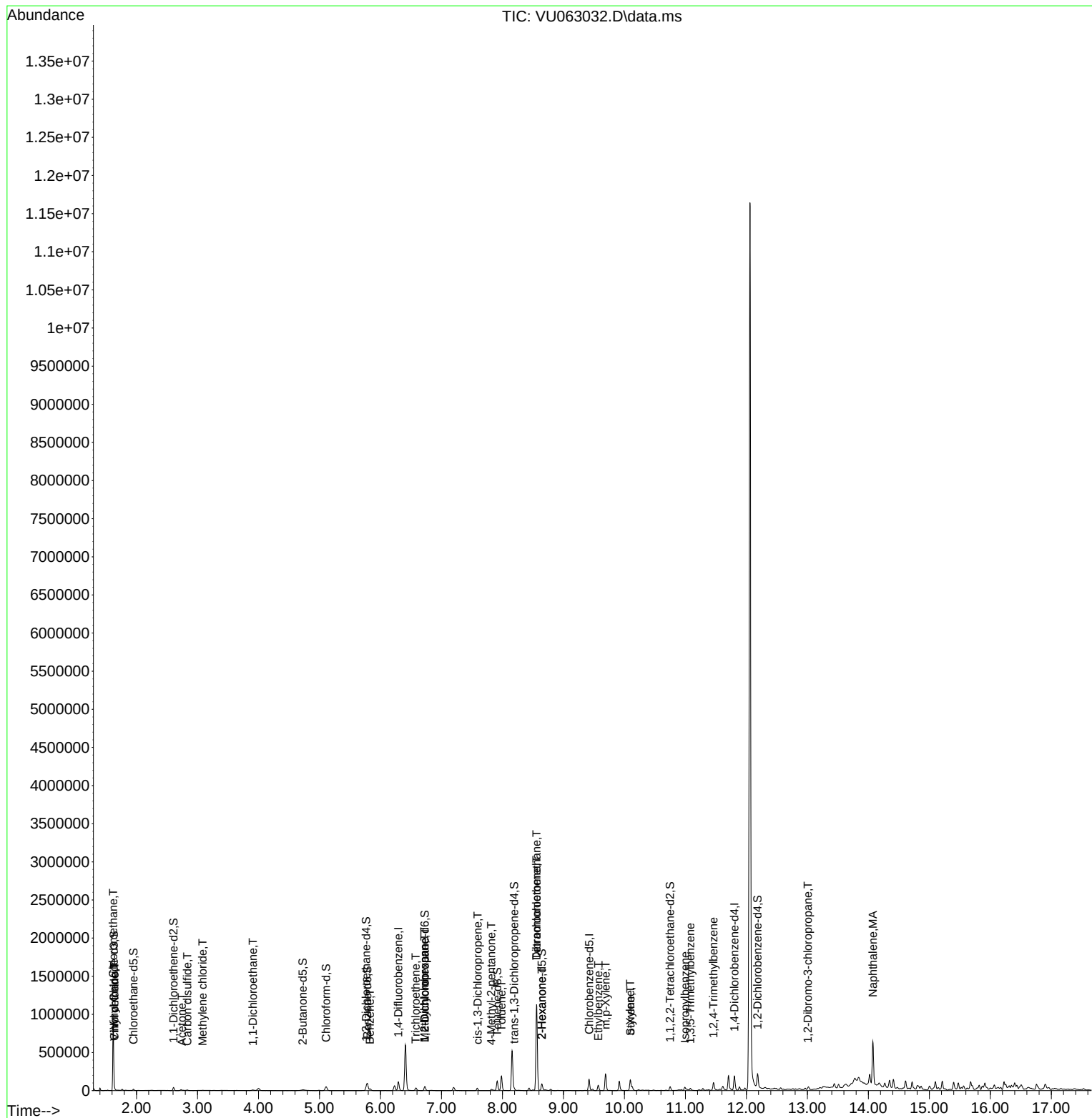
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.097	106	34692	3.523	ug/L	97
55) Styrene	10.100	104	2736	0.164	ug/L #	1
60) Isopropylbenzene	10.994	105	34665	1.089	ug/L	92
62) 1,3,5-Trimethylbenzene	11.081	105	16567	0.594	ug/L	96
63) 1,2,4-Trimethylbenzene	11.460	105	55969	2.120	ug/L	90
68) 1,2-Dibromo-3-chloropr...	13.010	75	70	0.065	ug/L #	8
71) Naphthalene	14.074	128	463928	35.782	ug/L	98

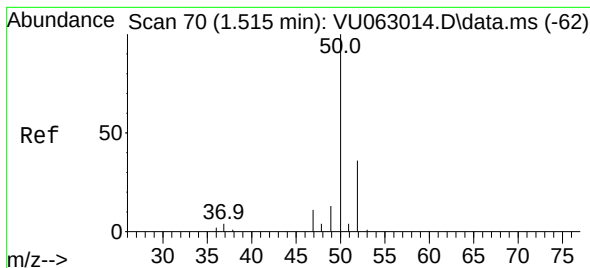
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 9.890 ug/L

RT: 1.618 min Scan# 102

Delta R.T. 0.103 min

Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Instrument :

MSVOA_U

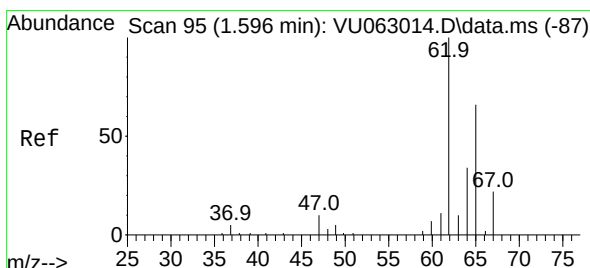
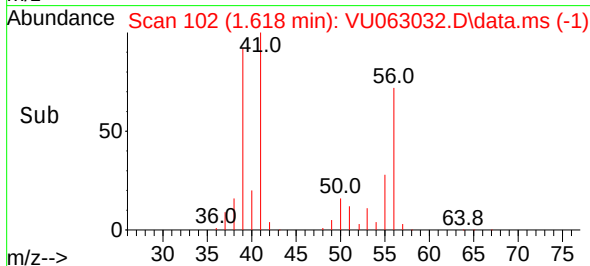
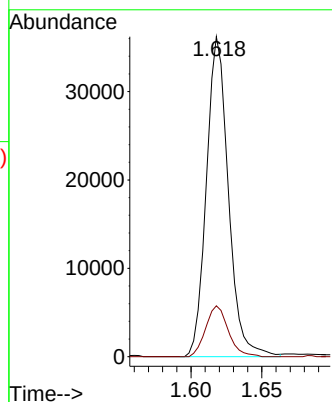
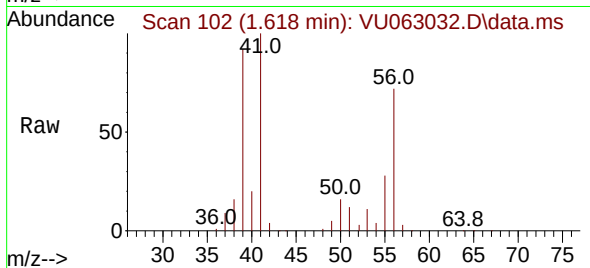
ClientSampleId :

Tgt Ion: 50 Resp: 39087

Ion Ratio Lower Upper

50 100

52 15.9 24.1 44.7#



#5

Vinyl chloride

Concen: 0.162 ug/L

RT: 1.637 min Scan# 108

Delta R.T. 0.042 min

Lab File: VU063032.D

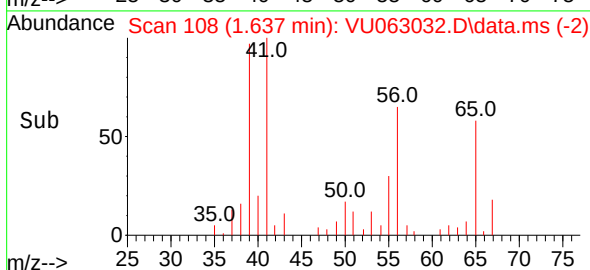
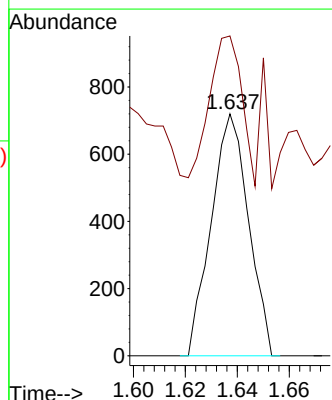
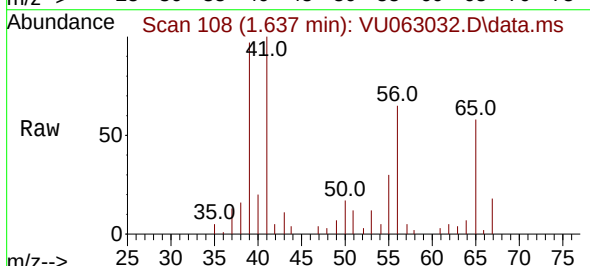
Acq: 27 Jan 2025 21:53

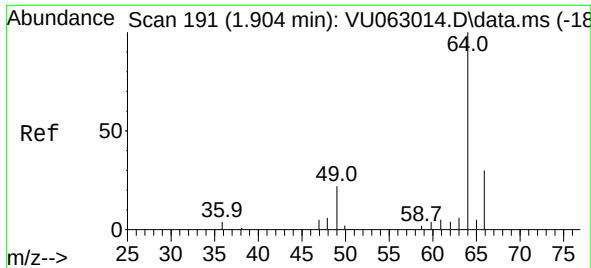
Tgt Ion: 62 Resp: 717

Ion Ratio Lower Upper

62 100

64 132.2 23.4 43.4#

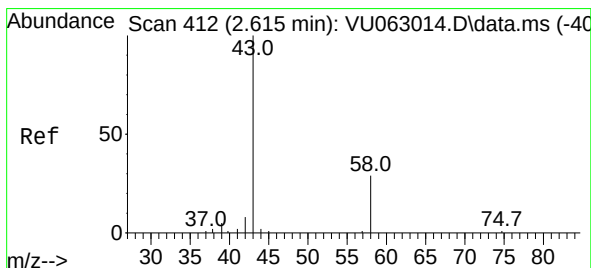
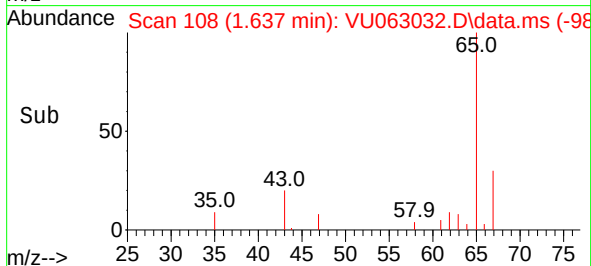
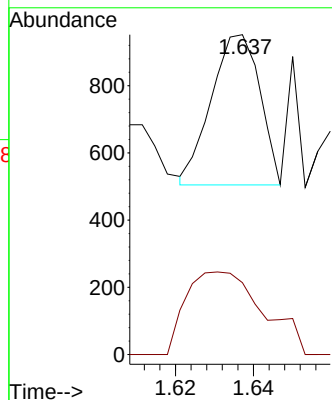
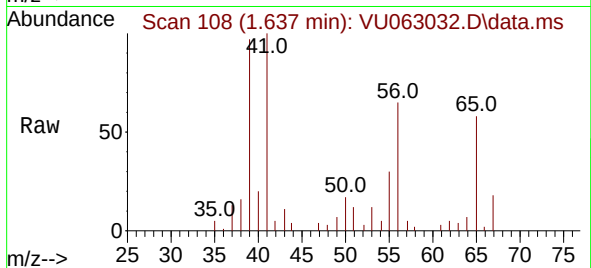




#8
Chloroethane
Concen: 0.174 ug/L
RT: 1.637 min Scan# 108
Delta R.T. -0.267 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

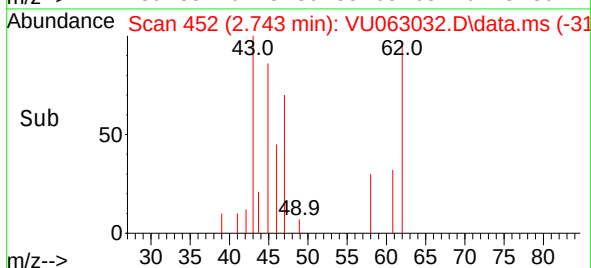
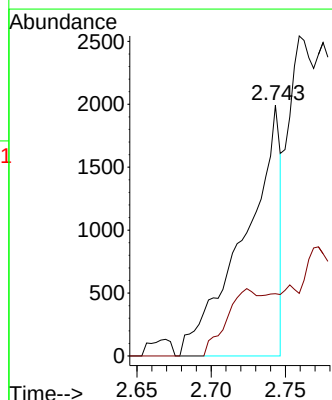
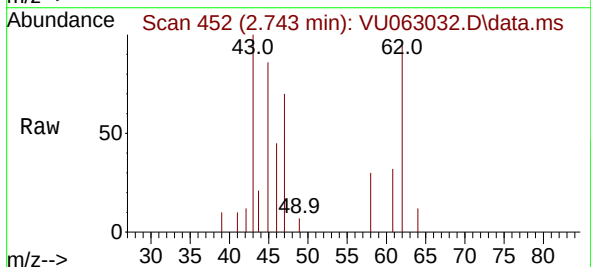
Instrument :
MSVOA_U
ClientSampleId :

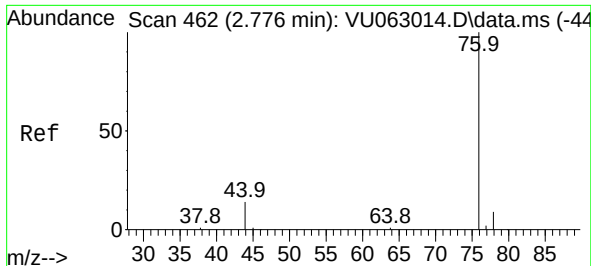
Tgt Ion: 64 Resp: 387
Ion Ratio Lower Upper
64 100
66 22.5 21.6 40.2



#13
Acetone
Concen: 5.422 ug/L
RT: 2.743 min Scan# 452
Delta R.T. 0.128 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
58 24.9 0.0 64.4

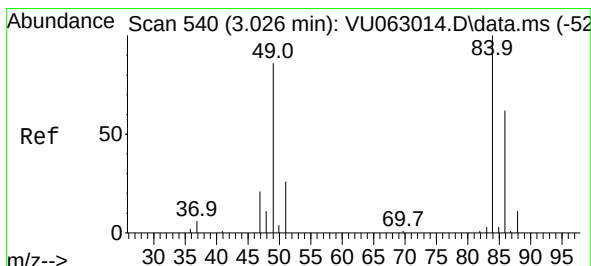
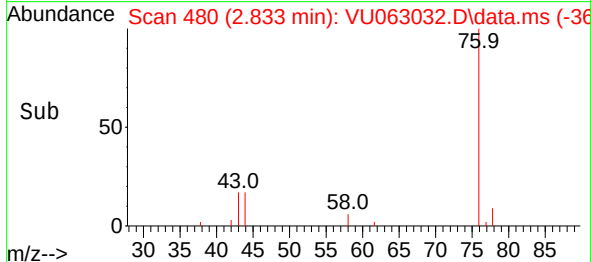
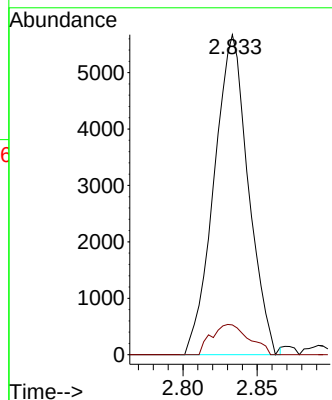
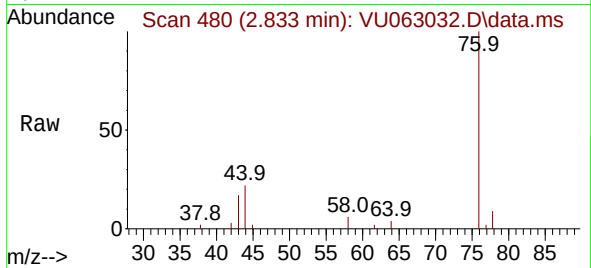




#14
Carbon disulfide
Concen: 0.746 ug/L
RT: 2.833 min Scan# 41
Delta R.T. 0.058 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

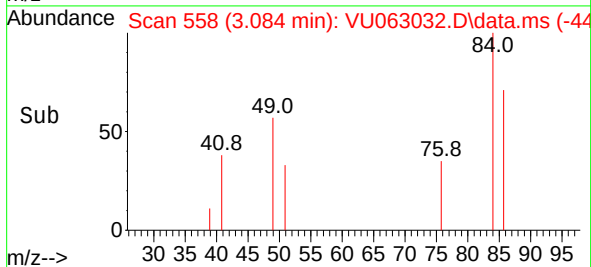
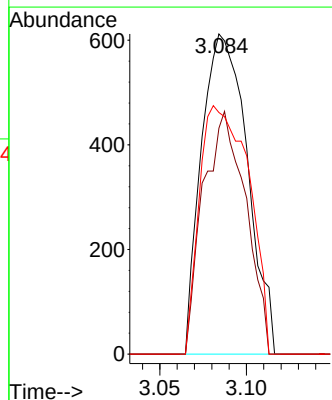
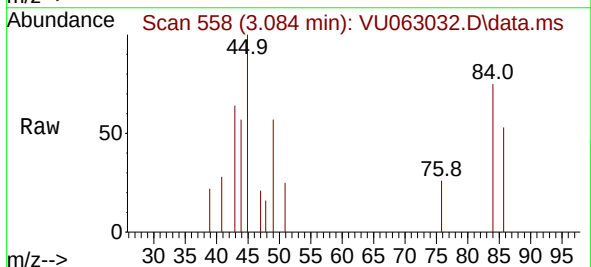
Instrument :
MSVOA_U
ClientSampleId :

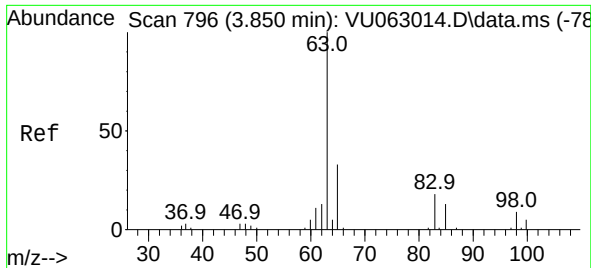
Tgt Ion: 76 Resp: 9111
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#16
Methylene chloride
Concen: 0.224 ug/L
RT: 3.084 min Scan# 558
Delta R.T. 0.058 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion: 84 Resp: 1127
Ion Ratio Lower Upper
84 100
86 70.6 44.7 83.1
49 75.5 68.3 126.9

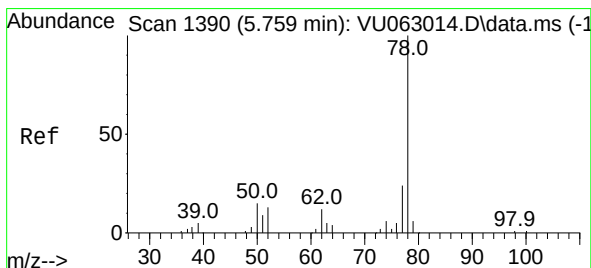
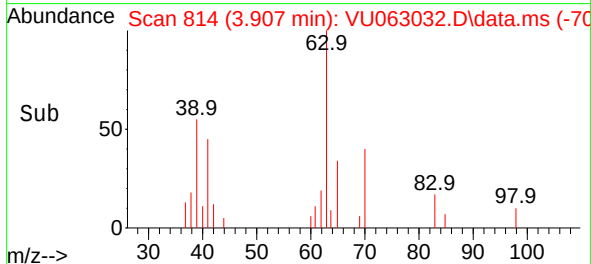
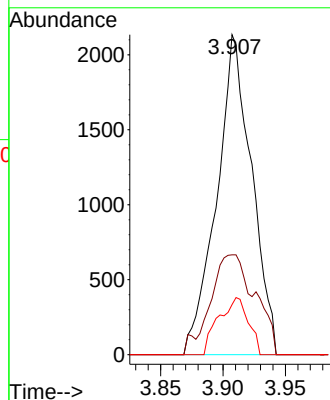
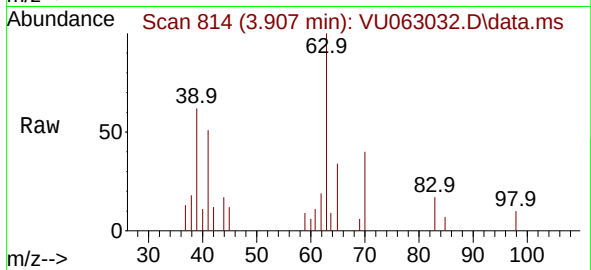




#19
1,1-Dichloroethane
Concen: 0.471 ug/L
RT: 3.907 min Scan# 814
Delta R.T. 0.058 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

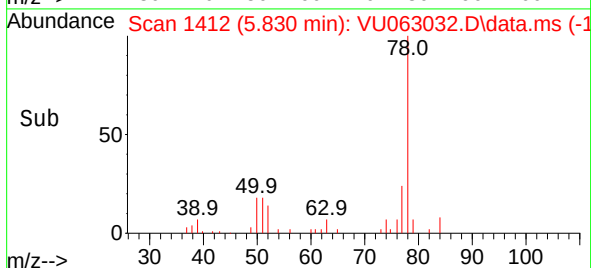
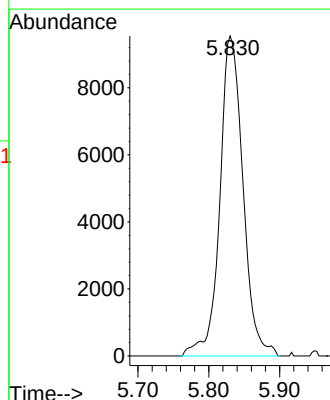
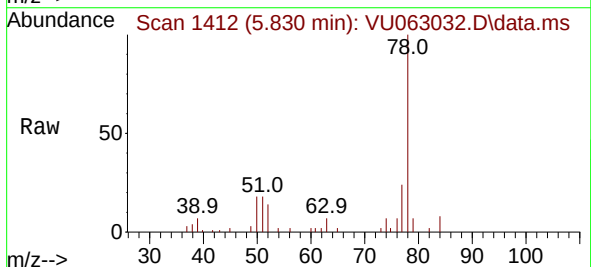
Instrument :
MSVOA_U
ClientSampleId :

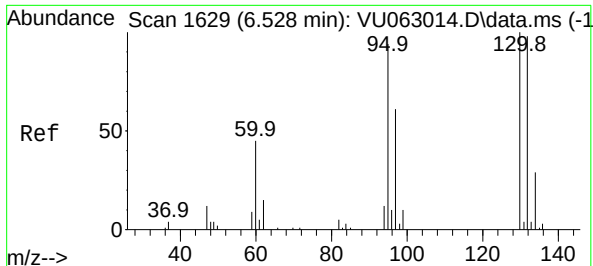
Tgt Ion: 63 Resp: 4160
Ion Ratio Lower Upper
63 100
65 31.2 20.7 38.5
83 15.7 10.5 19.5



#33
Benzene
Concen: 1.079 ug/L
RT: 5.830 min Scan# 1412
Delta R.T. 0.071 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

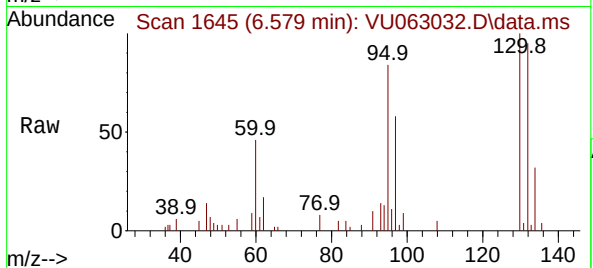
Tgt Ion: 78 Resp: 21677



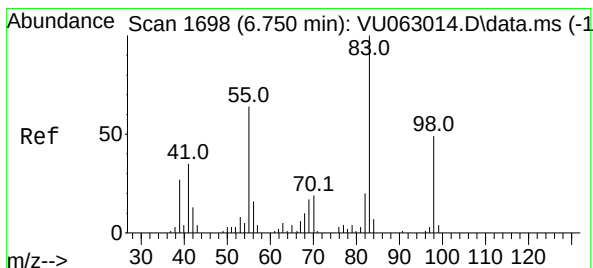
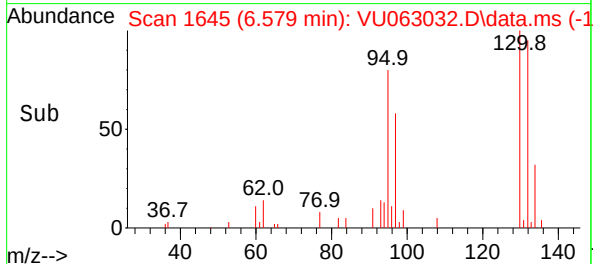
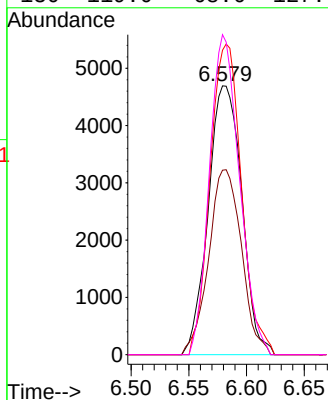


#34
Trichloroethene
Concen: 1.392 ug/L
RT: 6.579 min Scan# 1645
Delta R.T. 0.051 min
Lab File: VU063032.D
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Instrument :
MSVOA_U
ClientSampleId :

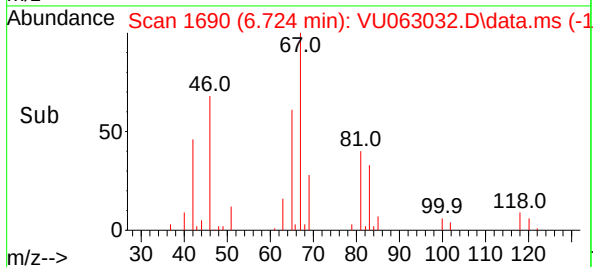
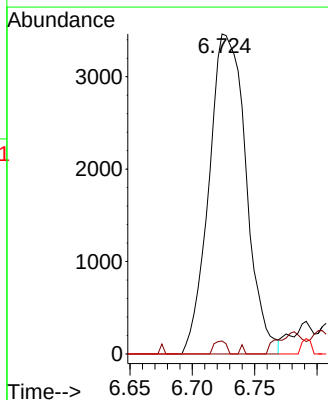
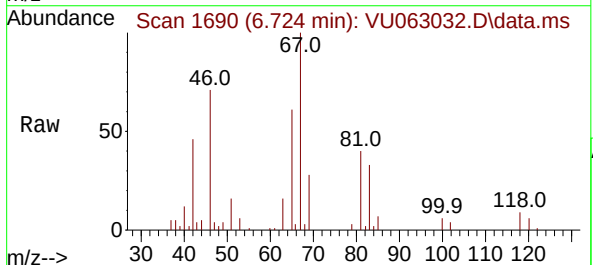


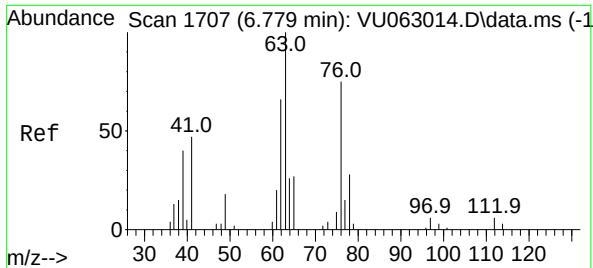
Tgt Ion	Ratio	Lower	Upper
95	100		
97	68.6	47.5	88.3
132	113.3	66.9	124.3
130	119.0	68.6	127.4



#35
Methylcyclohexane
Concen: 0.834 ug/L
RT: 6.724 min Scan# 1690
Delta R.T. -0.026 min
Lab File: VU063032.D
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Tgt Ion	Ratio	Lower	Upper
83	100		
55	1.3	57.2	85.8#
98	0.0	36.6	55.0#

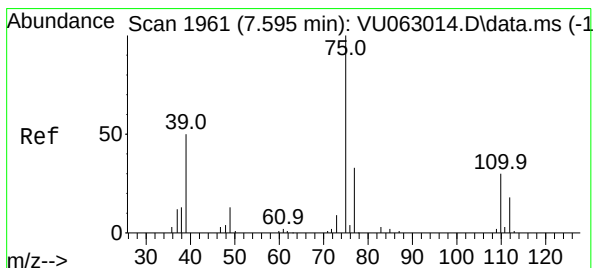
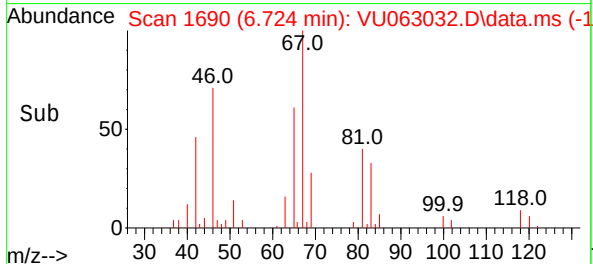
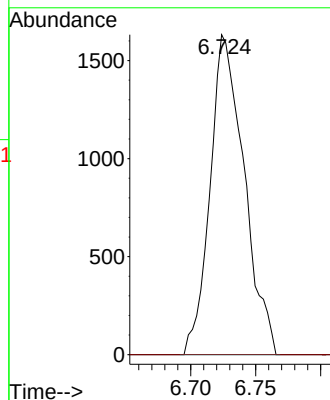
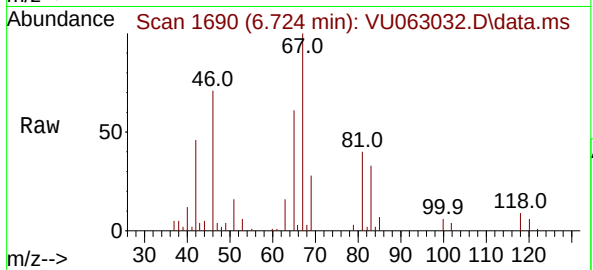




#37
1,2-Dichloropropane
Concen: 0.658 ug/L
RT: 6.724 min Scan# 1
Delta R.T. -0.055 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

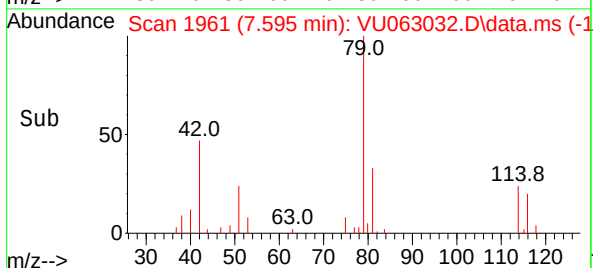
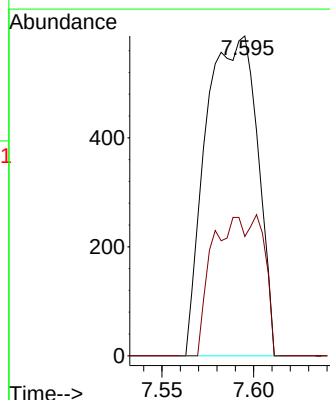
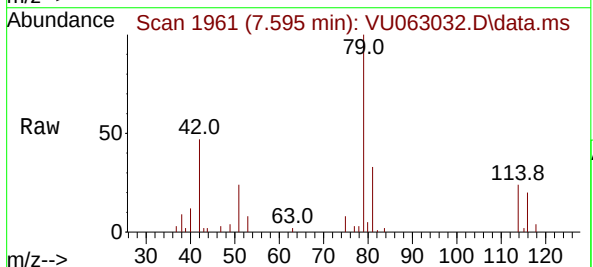
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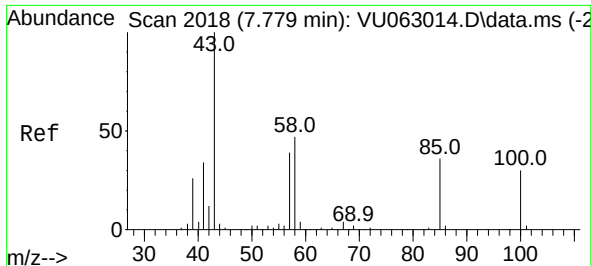
Tgt Ion: 63 Resp: 2974
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



#39
cis-1,3-Dichloropropene
Concen: 0.135 ug/L
RT: 7.595 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion: 75 Resp: 1147
Ion Ratio Lower Upper
75 100
77 37.3 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 4.383 ug/L

RT: 7.817 min Scan# 20

Delta R.T. 0.038 min

Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Instrument :

MSVOA_U

ClientSampleId :

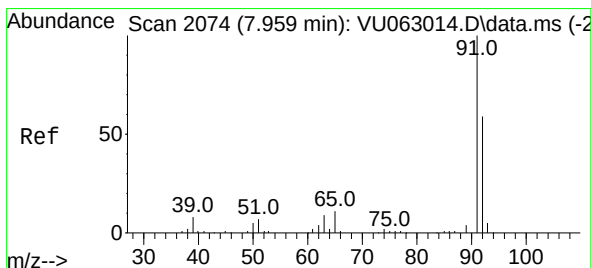
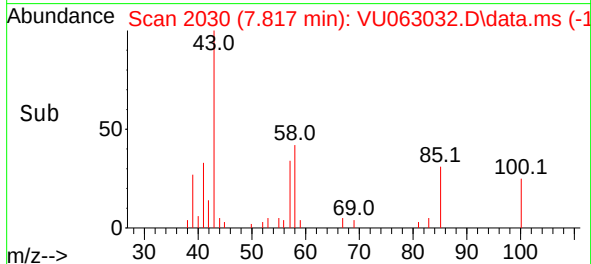
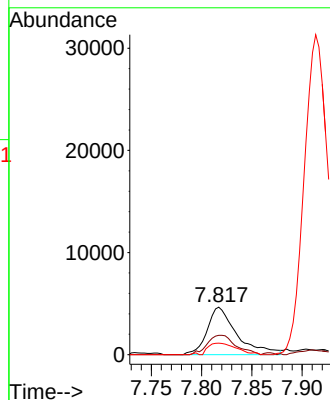
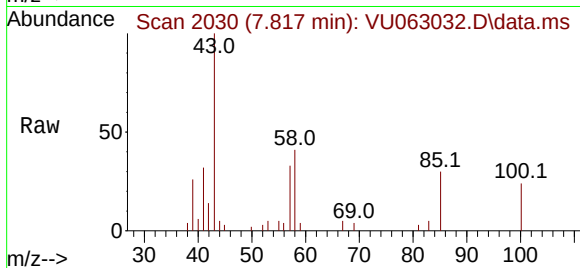
Tgt Ion: 43 Resp: 9555

Ion Ratio Lower Upper

43 100

58 39.0 35.8 53.8

100 22.9 16.8 25.2



#42

Toluene

Concen: 5.576 ug/L

RT: 7.984 min Scan# 2082

Delta R.T. 0.026 min

Lab File: VU063032.D

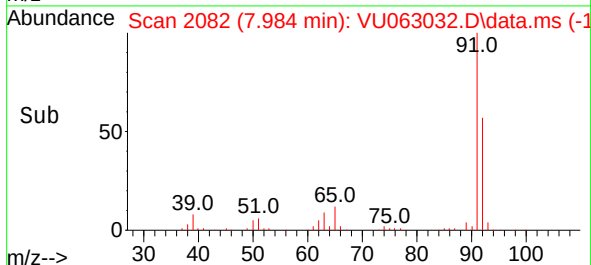
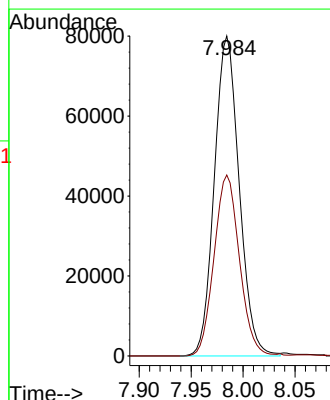
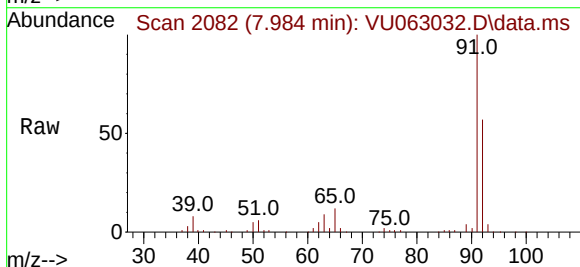
Acq: 27 Jan 2025 21:53

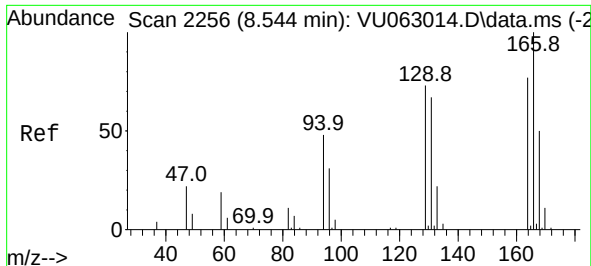
Tgt Ion: 91 Resp: 133169

Ion Ratio Lower Upper

91 100

92 56.5 40.4 75.0





#47

Tetrachloroethene

Concen: 42.612 ug/L

RT: 8.560 min Scan# 2256

Delta R.T. 0.016 min

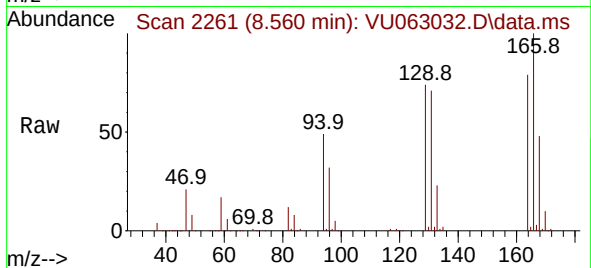
Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 253062

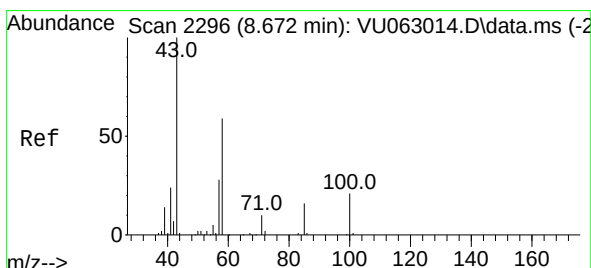
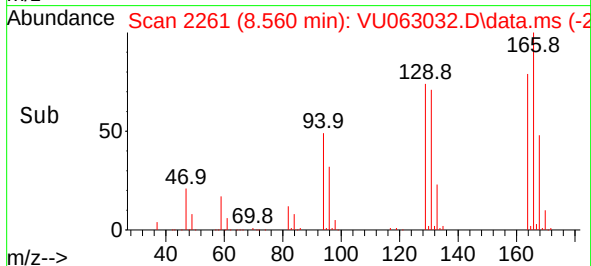
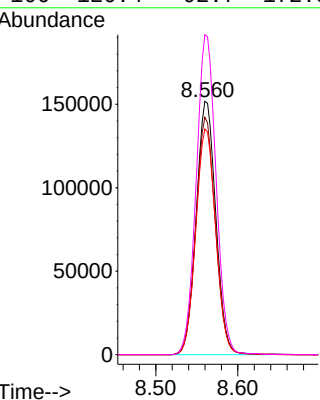
Ion Ratio Lower Upper

164 100

129 93.8 71.0 131.9

131 89.1 69.4 129.0

166 126.4 92.7 172.3



#48

2-Hexanone

Concen: 4.054 ug/L

RT: 8.647 min Scan# 2288

Delta R.T. -0.026 min

Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Tgt Ion: 43 Resp: 6131

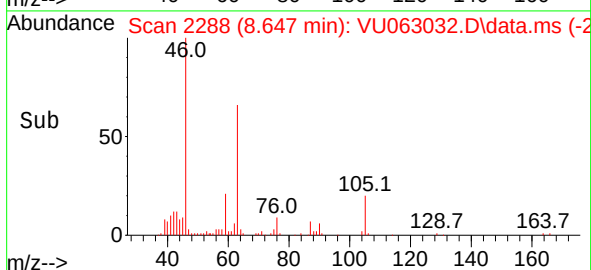
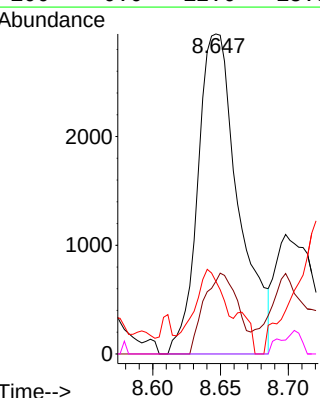
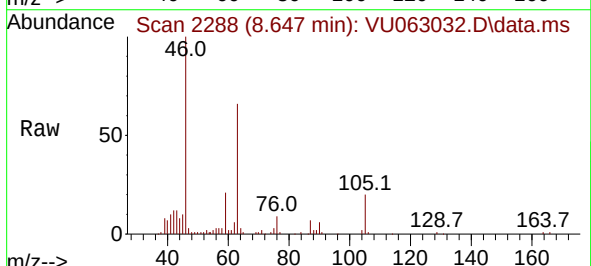
Ion Ratio Lower Upper

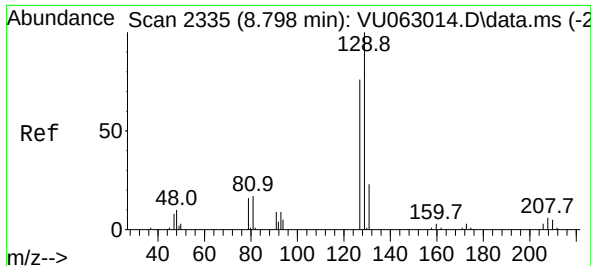
43 100

58 21.2 50.2 75.4#

57 19.9 19.9 29.9

100 0.0 12.6 18.8#





#49

Dibromochloromethane

Concen: 35.481 ug/L

RT: 8.560 min Scan# 21

Delta R.T. -0.238 min

Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Instrument :

MSVOA_U

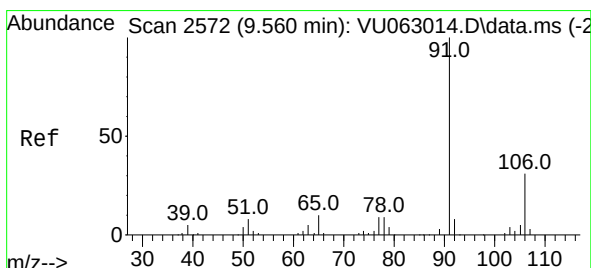
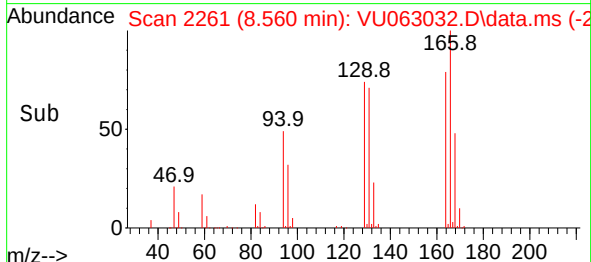
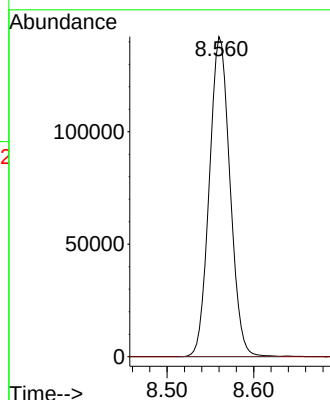
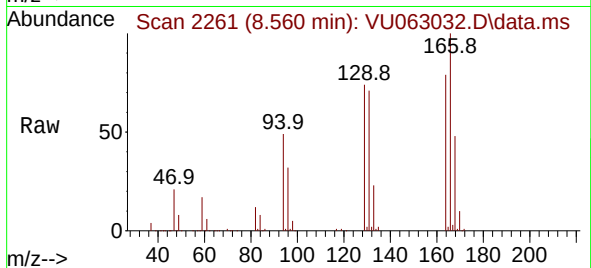
ClientSampleId :

Tgt Ion:129 Resp: 235505

Ion Ratio Lower Upper

129 100

127 0.0 52.1 96.9#



#52

Ethylbenzene

Concen: 1.764 ug/L

RT: 9.573 min Scan# 2576

Delta R.T. 0.013 min

Lab File: VU063032.D

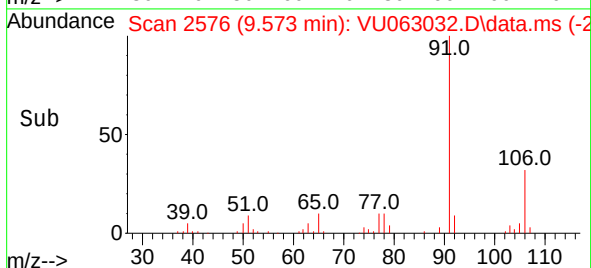
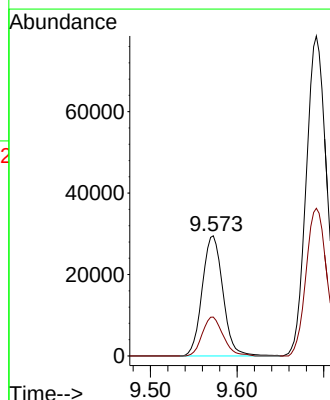
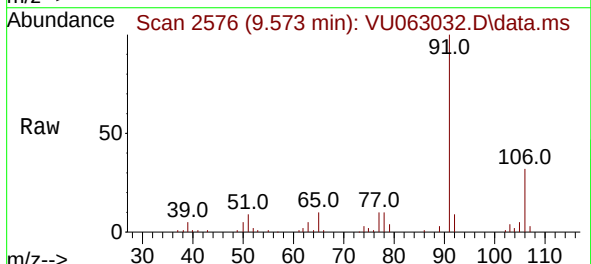
Acq: 27 Jan 2025 21:53

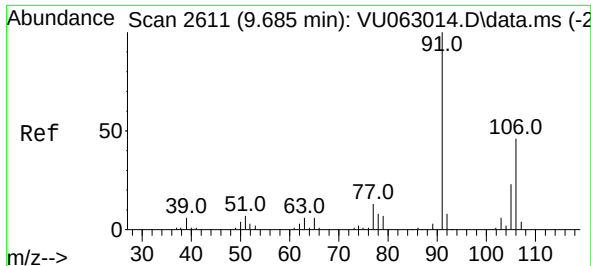
Tgt Ion: 91 Resp: 49092

Ion Ratio Lower Upper

91 100

106 32.4 21.9 40.7

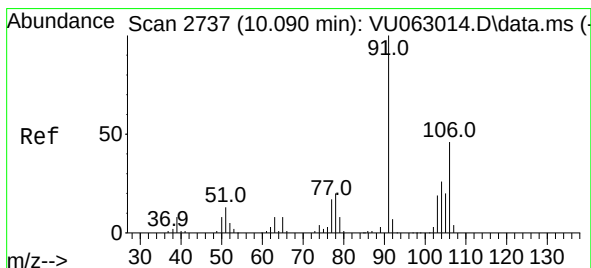
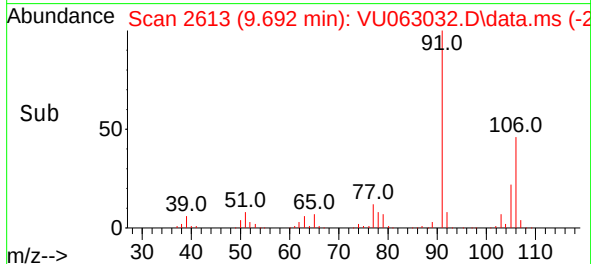
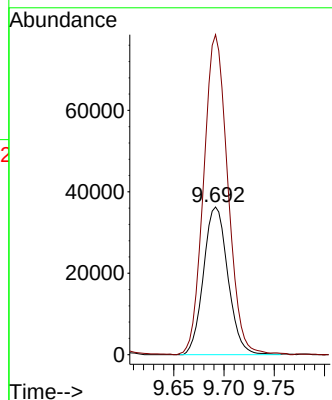
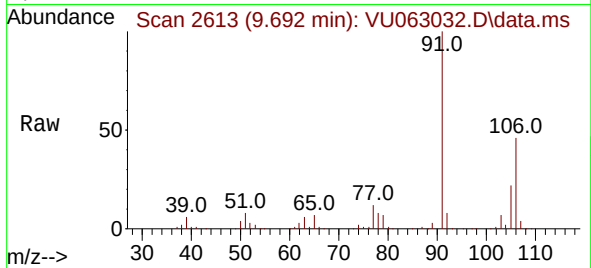




#53
m,p-Xylene
Concen: 5.695 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

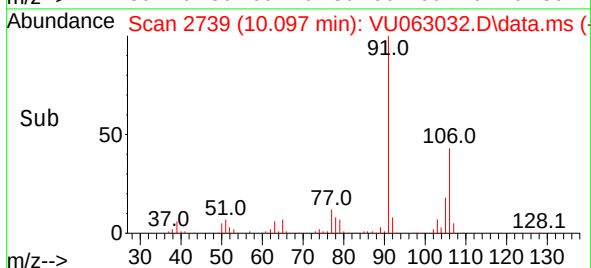
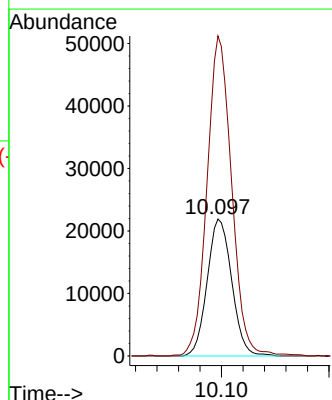
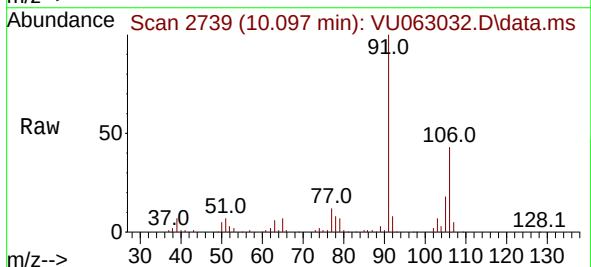
Instrument :
MSVOA_U
ClientSampleId :

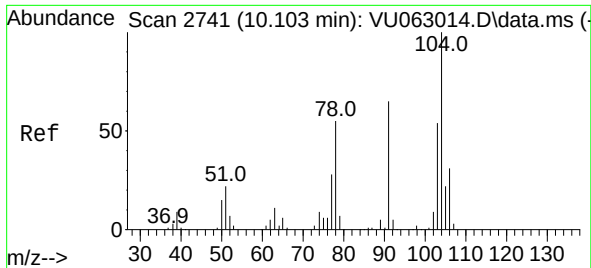
Tgt Ion:106 Resp: 61212
Ion Ratio Lower Upper
106 100
91 216.8 153.1 284.3



#54
o-Xylene
Concen: 3.523 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.006 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion:106 Resp: 34692
Ion Ratio Lower Upper
106 100
91 233.5 160.4 297.8

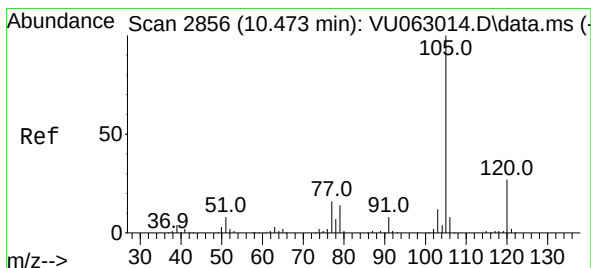
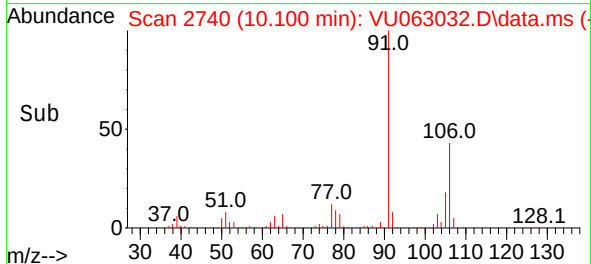
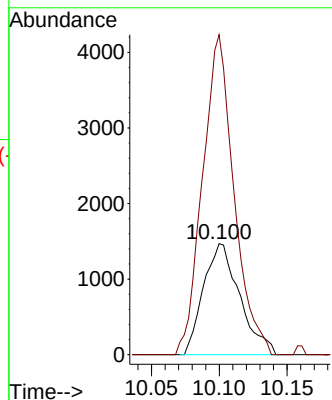
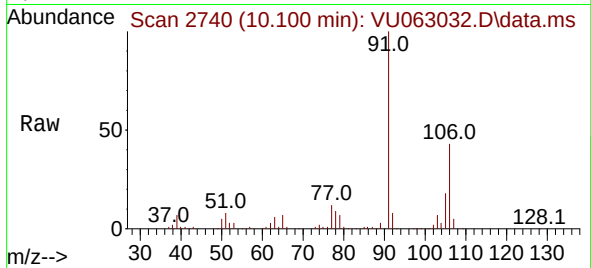




#55
Styrene
Concen: 0.164 ug/L
RT: 10.100 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

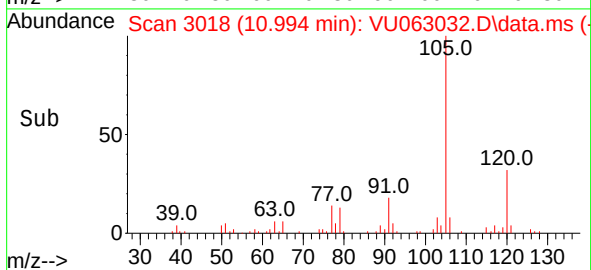
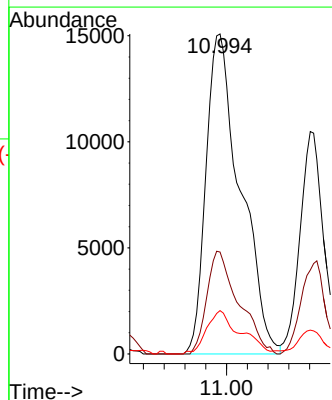
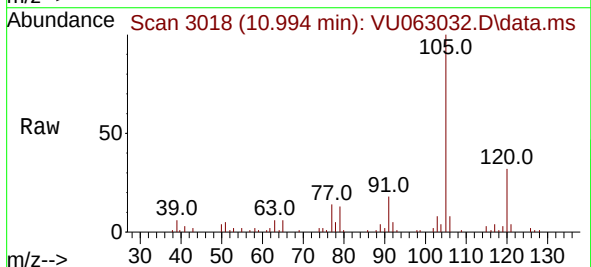
Instrument :
MSVOA_U
ClientSampleId :

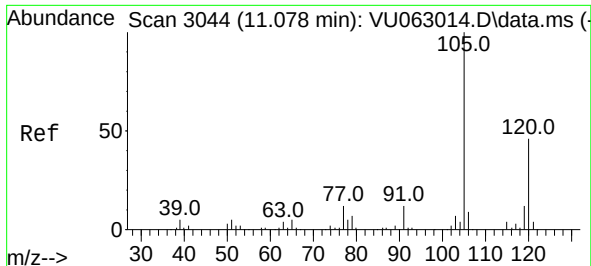
Tgt Ion:104 Resp: 2736
Ion Ratio Lower Upper
104 100
78 288.0 35.5 65.9#



#60
Isopropylbenzene
Concen: 1.089 ug/L
RT: 10.994 min Scan# 3018
Delta R.T. 0.521 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion:105 Resp: 34665
Ion Ratio Lower Upper
105 100
120 29.7 20.2 30.2
77 13.3 13.0 19.4





#62

1,3,5-Trimethylbenzene

Concen: 0.594 ug/L

RT: 11.081 min Scan# 3044

Delta R.T. 0.003 min

Lab File: VU063032.D

Acq: 27 Jan 2025 21:53

Instrument :

MSVOA_U

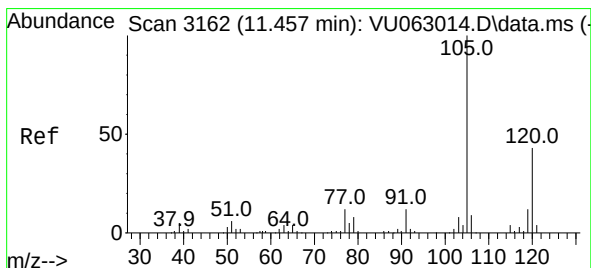
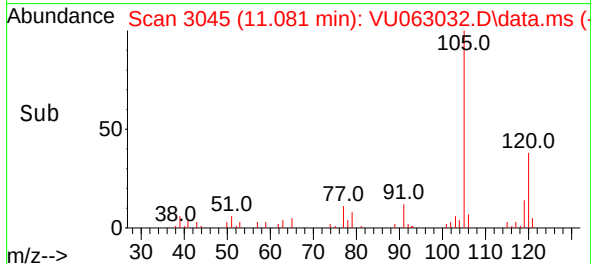
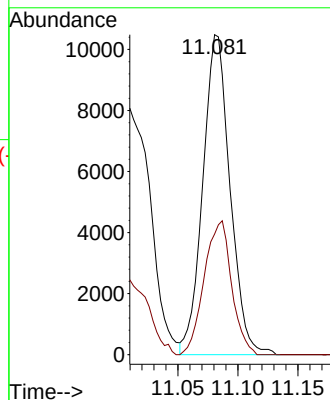
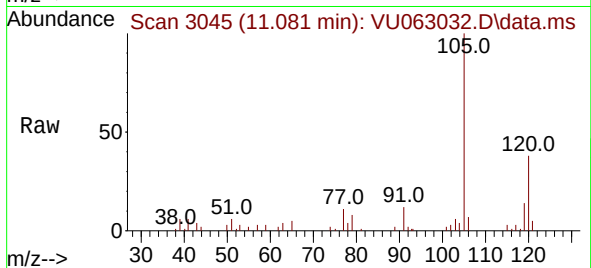
ClientSampleId :

Tgt Ion:105 Resp: 16567

Ion Ratio Lower Upper

105 100

120 42.0 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 2.120 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU063032.D

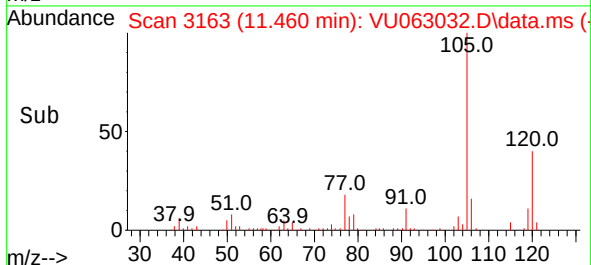
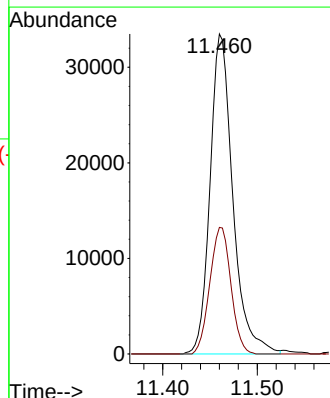
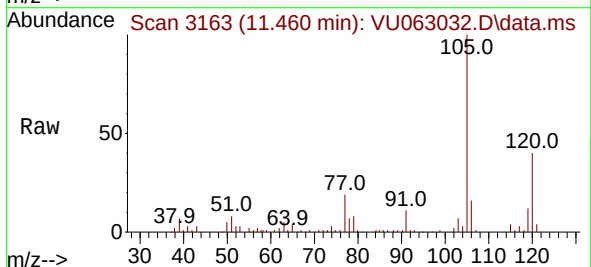
Acq: 27 Jan 2025 21:53

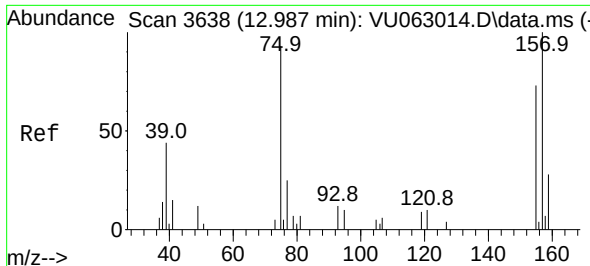
Tgt Ion:105 Resp: 55969

Ion Ratio Lower Upper

105 100

120 36.6 34.2 51.2

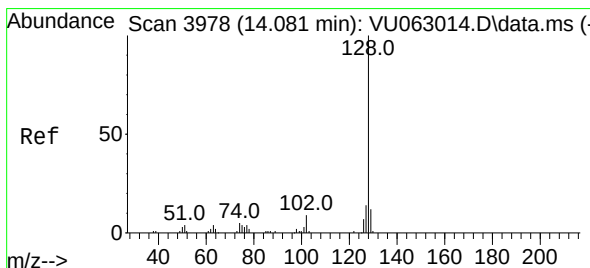
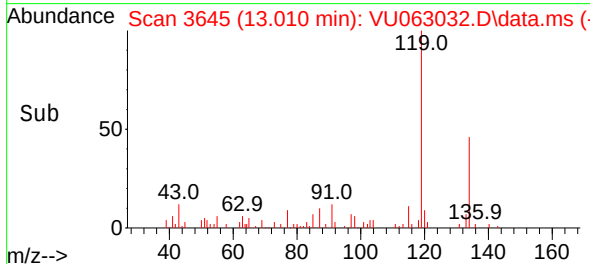
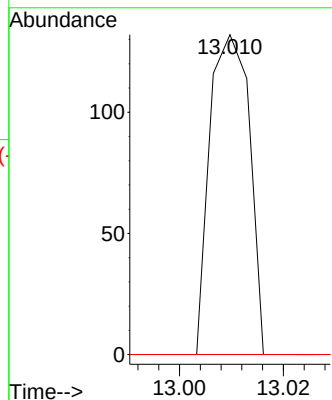
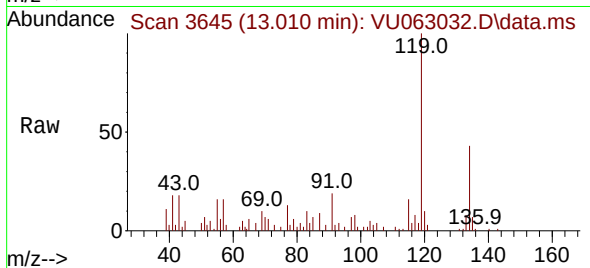




#68
1,2-Dibromo-3-chloropropane
Concen: 0.065 ug/L
RT: 13.010 min Scan# 3645
Delta R.T. 0.022 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 0.0 59.6 89.4#
157 0.0 70.8 106.2#



#71
Naphthalene
Concen: 35.782 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.007 min
Lab File: VU063032.D
Acq: 27 Jan 2025 21:53

Tgt Ion:128 Resp: 463928
Ion Ratio Lower Upper
128 100
129 11.4 8.5 12.7
127 13.1 10.2 15.2

