

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031535.D
 Acq On : 15 Jun 2023 16:46
 Operator : SY/MD
 Sample : 03249-13
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT3

Quant Time: Jun 16 02:49:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 02:44:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	189154	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	187707	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	90584	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	48581	38.591	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.180%
7) Chloroethane-d5	1.532	69	48153	43.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.680%
11) 1,1-Dichloroethene-d2	2.066	65	25959	40.010	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.020%
21) 2-Butanone-d5	3.799	46	117691	115.457	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.460%
24) Chloroform-d	4.259	84	134359	42.616	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.240%
26) 1,2-Dichloroethane-d4	4.950	65	92002	46.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.280%
32) Benzene-d6	4.969	84	242250	45.850	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
36) 1,2-Dichloropropane-d6	5.995	67	87414	46.679	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.360%
41) Toluene-d8	7.249	98	199404	41.127	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.260%
43) trans-1,3-Dichloroprop...	7.558	79	41016	44.929	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.860%
47) 2-Hexanone-d5	8.034	63	78225	105.797	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.800%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	133540	47.244	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.480%
66) 1,2-Dichlorobenzene-d4	11.567	152	87061	50.421	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.840%
Target Compounds						Qvalue
5) Vinyl chloride	1.288	62	24568	13.091	ug/L	100
12) 1,1-Dichloroethene	2.076	96	15277	10.915	ug/L #	29
17) trans-1,2-Dichloroethene	2.706	96	5211	3.567	ug/L	89
19) 1,1-Dichloroethane	3.117	63	1041773	330.392	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	918732	581.904	ug/L	99
25) Chloroform	4.291	83	7673	2.341	ug/L	97
30) 1,1,1-Trichloroethane	4.522	97	766843	254.807	ug/L	99
31) Carbon tetrachloride	4.522	117	92029	34.513	ug/L	99
34) Trichloroethene	5.847	95	4718	2.825	ug/L	94
46) Tetrachloroethene	7.911	164	9653	7.365	ug/L	92
49) Dibromochloromethane	7.915	129	8897	4.618	ug/L #	9
54) o-Xylene	9.490	106	1894	0.754	ug/L	73
61) 1,2,3-Trichloropropane	11.191	75	11479	6.416	ug/L #	67
62) 1,3,5-Trimethylbenzene	10.860	105	8402	1.760	ug/L	90
63) 1,2,4-Trimethylbenzene	10.860	105	8402	1.889	ug/L	95
71) Naphthalene	13.448	128	6808	1.390	ug/L	96

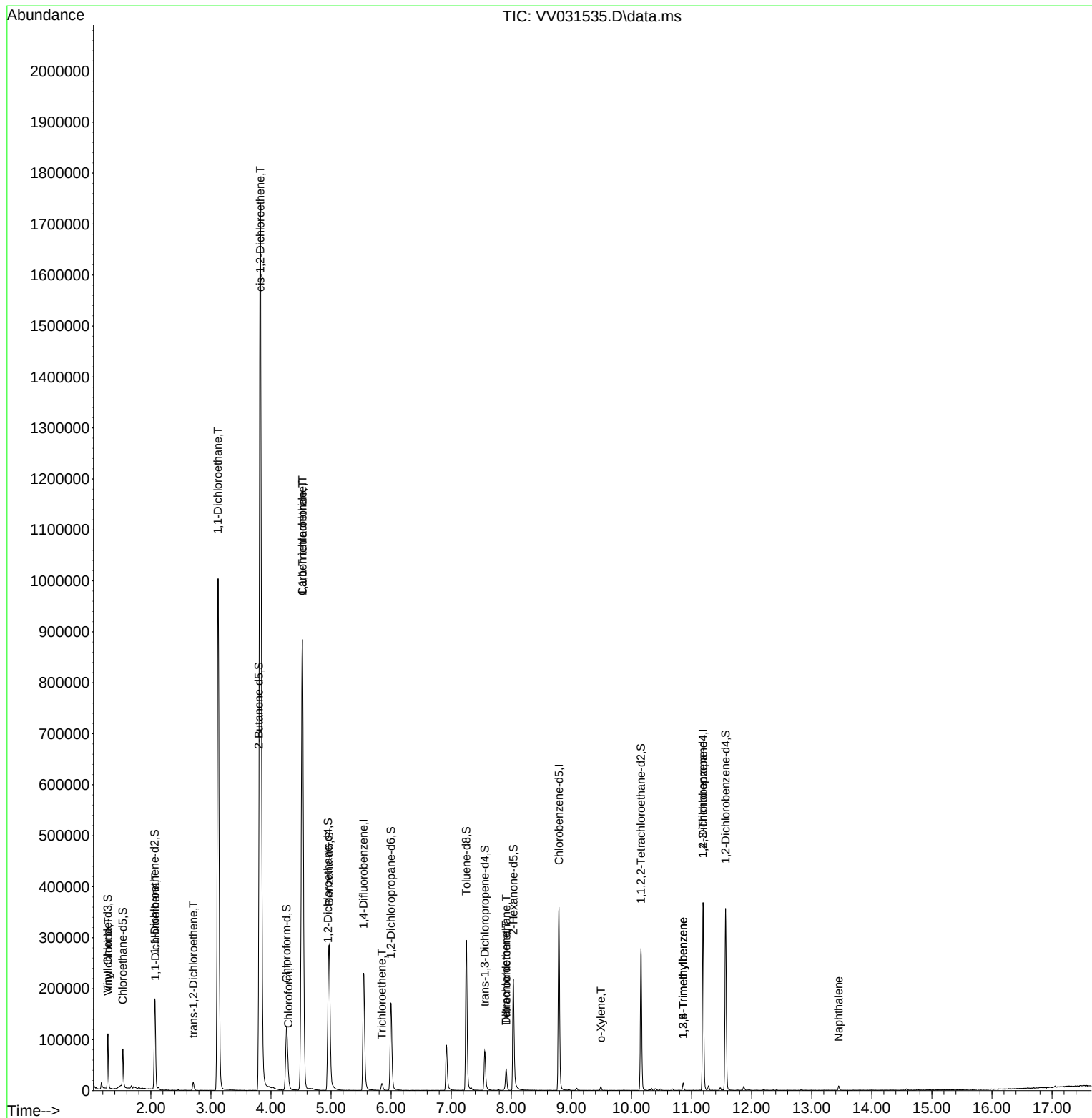
(#) = qualifier out of range (m) = manual integration (+) = signals summed

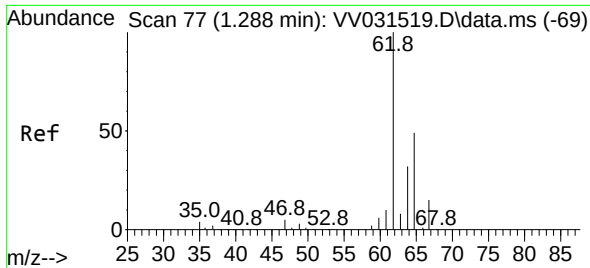
Instrument :
MSVOA_V
ClientSampleId :
EXYT3

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061523\
Data File : VV031535.D
Acq On : 15 Jun 2023 16:46
Operator : SY/MD
Sample : 03249-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXYT3

Quant Time: Jun 16 02:49:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 16 02:44:48 2023
Response via : Initial Calibration

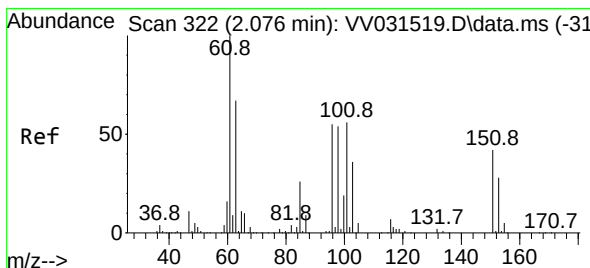
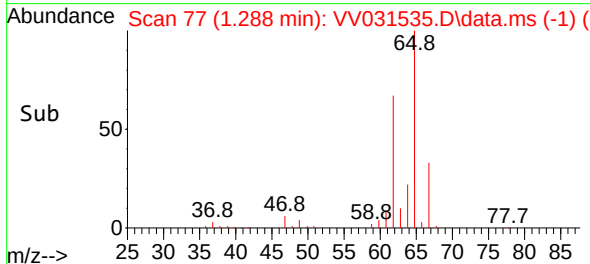
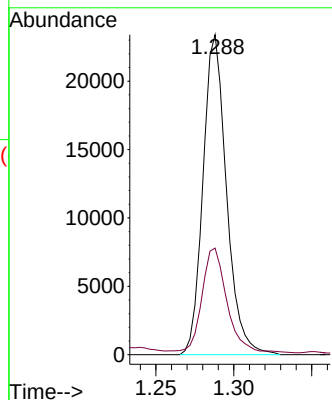
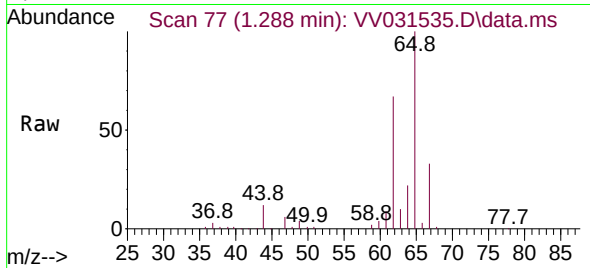




#5
 Vinyl chloride
 Concen: 13.091 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031535.D
 Acq: 15 Jun 2023 16:46

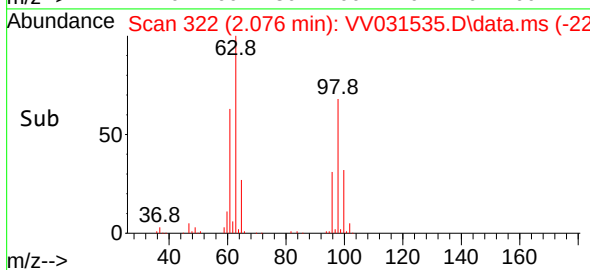
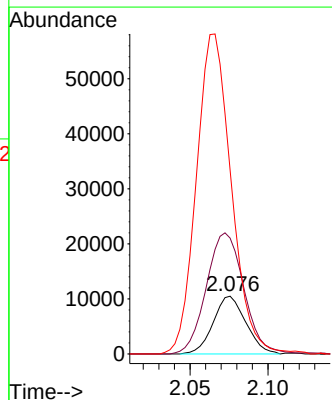
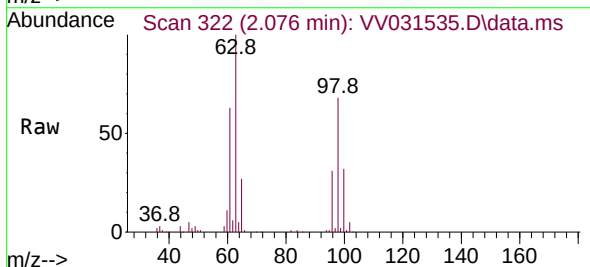
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT3

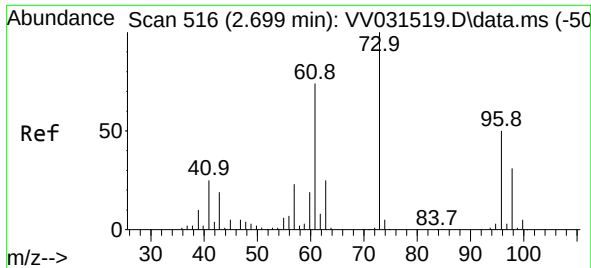
Tgt Ion: 62 Resp: 24568
 Ion Ratio Lower Upper
 62 100
 64 33.3 23.4 43.4



#12
 1,1-Dichloroethene
 Concen: 10.915 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031535.D
 Acq: 15 Jun 2023 16:46

Tgt Ion: 96 Resp: 15277
 Ion Ratio Lower Upper
 96 100
 61 200.4 128.9 239.5
 63 318.0 95.3 177.1#





#17

trans-1,2-Dichloroethene

Concen: 3.567 ug/L

RT: 2.706 min Scan# 516

Delta R.T. 0.007 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Instrument :

MSVOA_V

ClientSampleId :

EXYT3

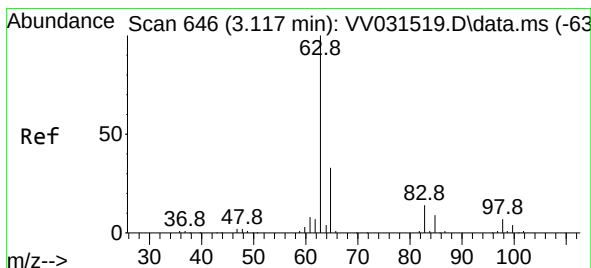
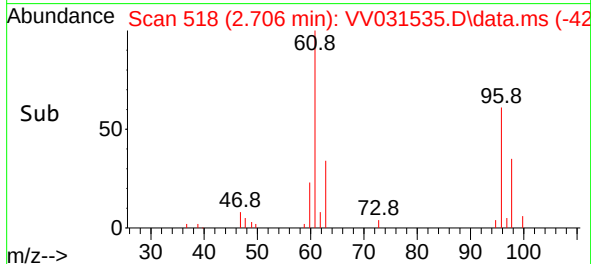
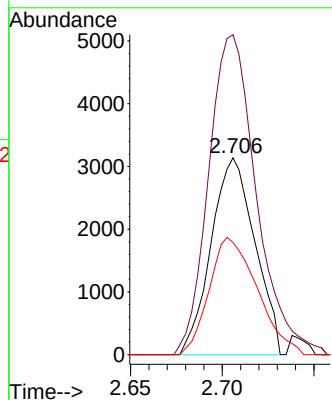
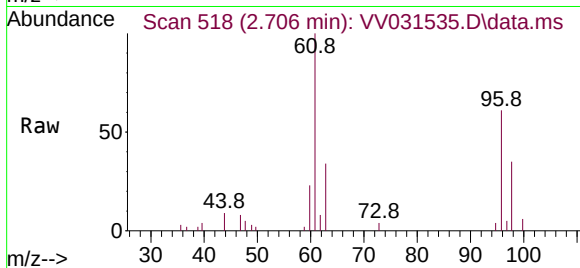
Tgt Ion: 96 Resp: 5211

Ion Ratio Lower Upper

96 100

61 162.6 102.5 190.3

98 57.0 44.1 81.9



#19

1,1-Dichloroethane

Concen: 330.392 ug/L

RT: 3.117 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

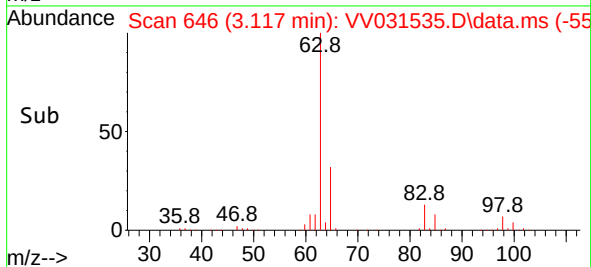
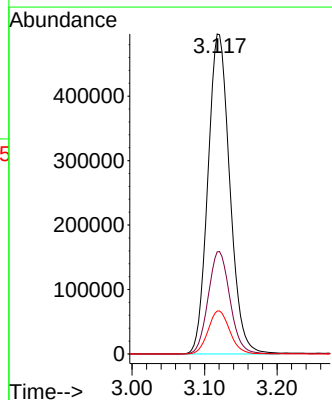
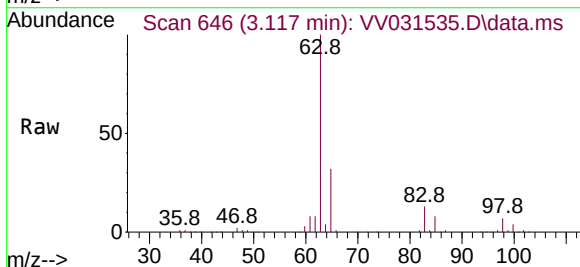
Tgt Ion: 63 Resp: 1041773

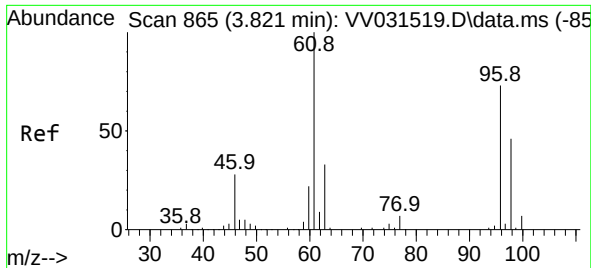
Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 13.4 10.0 18.6

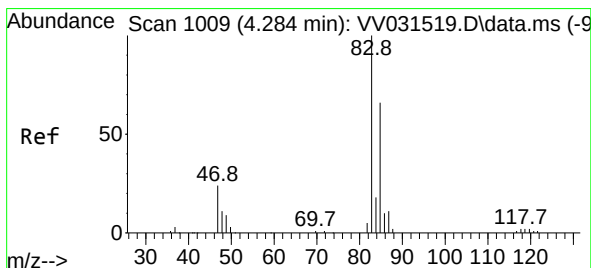
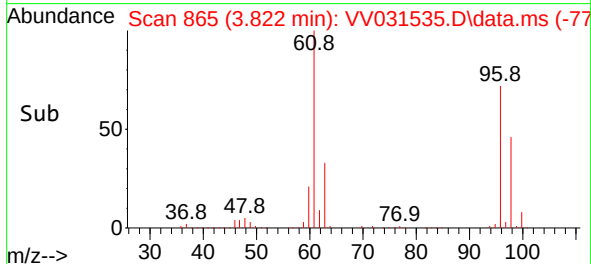
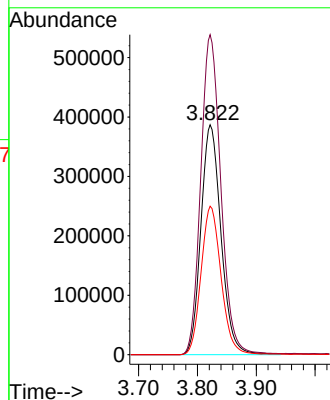
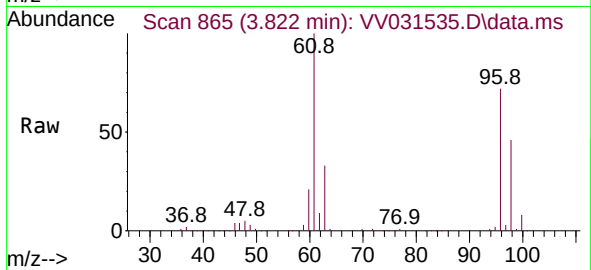




#20
cis-1,2-Dichloroethene
Concen: 581.904 ug/L
RT: 3.822 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

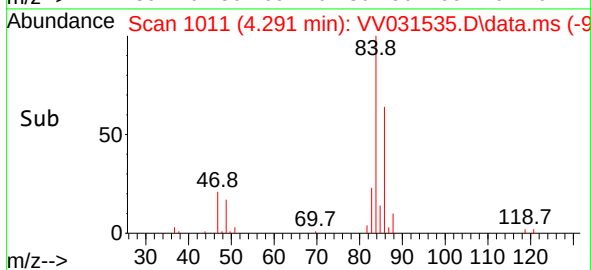
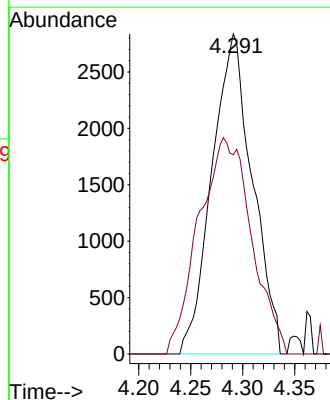
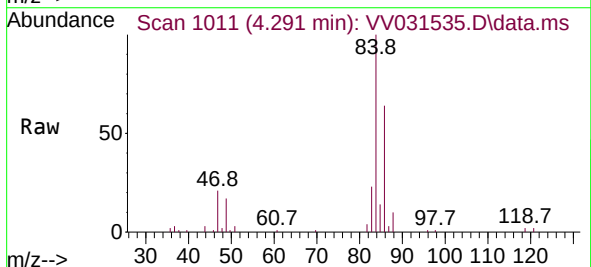
Instrument :
MSVOA_V
ClientSampleId :
EXYT3

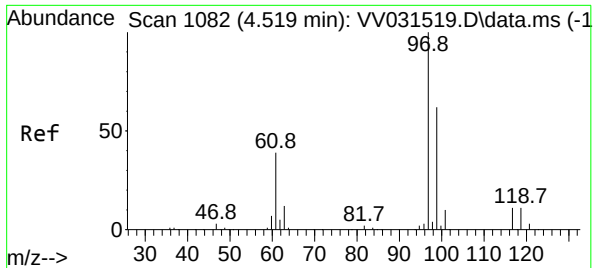
Tgt Ion: 96 Resp: 918732
Ion Ratio Lower Upper
96 100
61 139.1 98.6 183.0
98 64.6 45.7 84.9



#25
Chloroform
Concen: 2.341 ug/L
RT: 4.291 min Scan# 1011
Delta R.T. 0.007 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion: 83 Resp: 7673
Ion Ratio Lower Upper
83 100
85 62.3 45.3 84.1

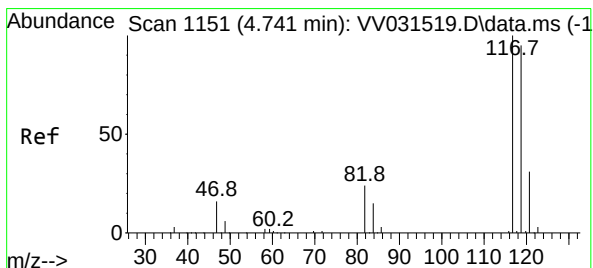
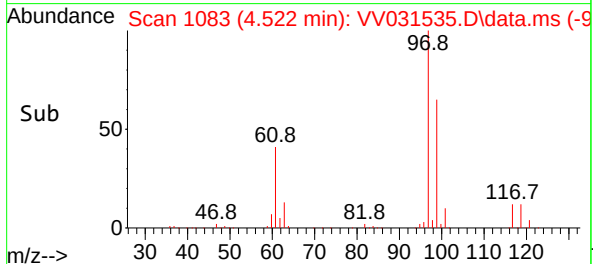
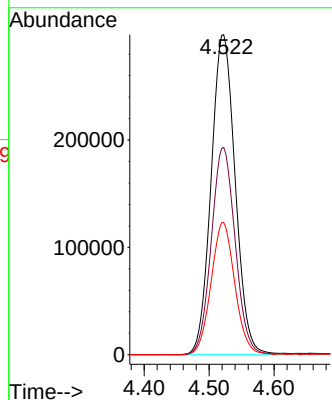
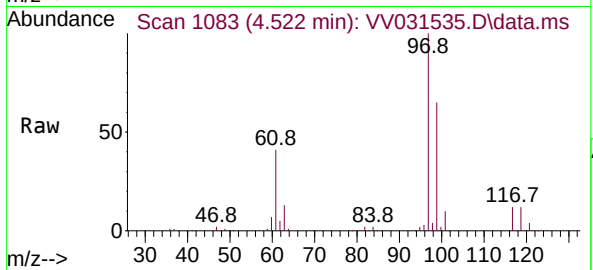




#30
1,1,1-Trichloroethane
Concen: 254.807 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

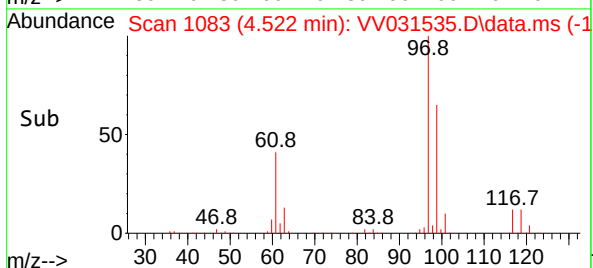
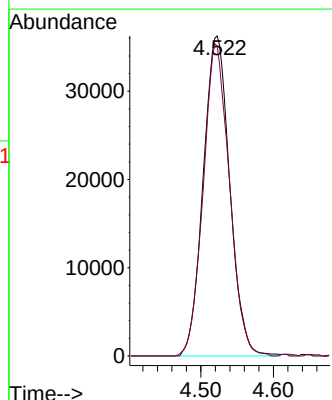
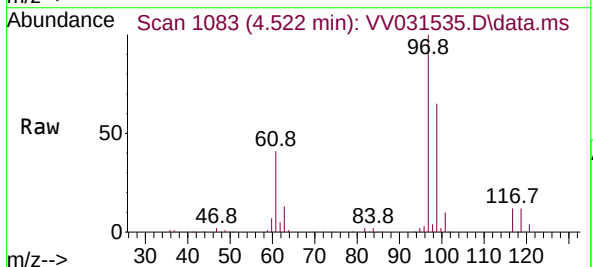
Instrument :
MSVOA_V
ClientSampleId :
EXYT3

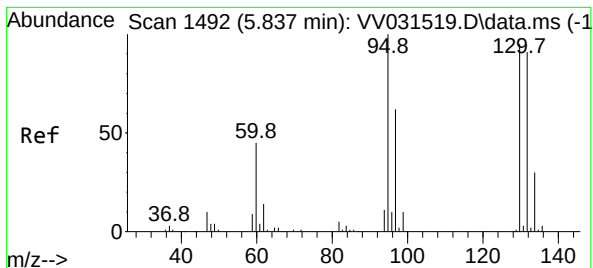
Tgt Ion: 97 Resp: 766843
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 40.8 33.0 49.6



#31
Carbon tetrachloride
Concen: 34.513 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. -0.219 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion: 117 Resp: 92029
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.4





#34

Trichloroethene

Concen: 2.825 ug/L

RT: 5.847 min Scan# 1492

Delta R.T. 0.010 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Instrument :

MSVOA_V

ClientSampleId :

EXYT3

Tgt Ion: 95 Resp: 4718

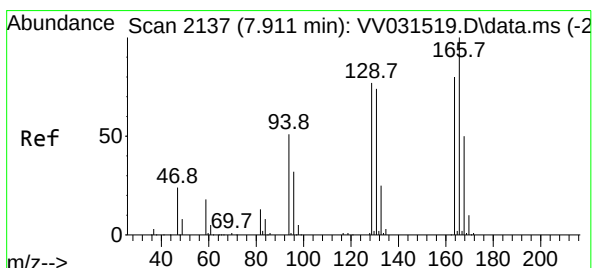
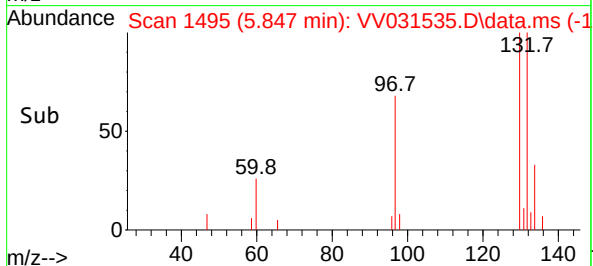
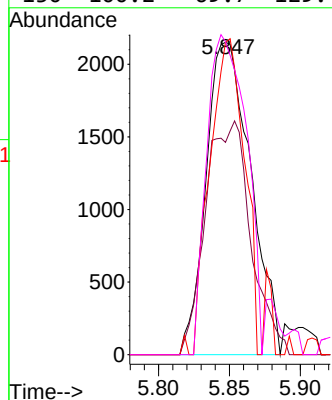
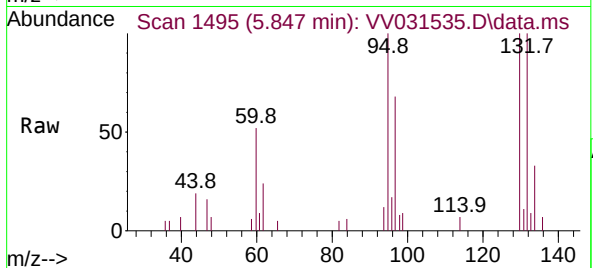
Ion Ratio Lower Upper

95 100

97 68.0 46.8 86.8

132 108.8 66.4 123.2

130 100.2 69.7 129.4



#46

Tetrachloroethene

Concen: 7.365 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Tgt Ion:164 Resp: 9653

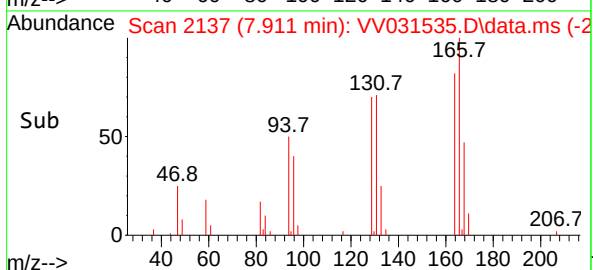
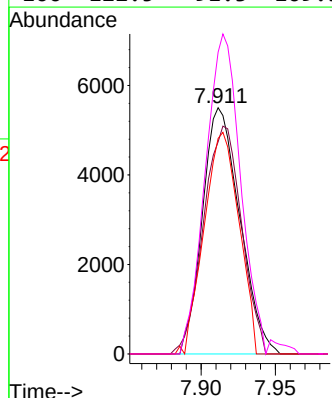
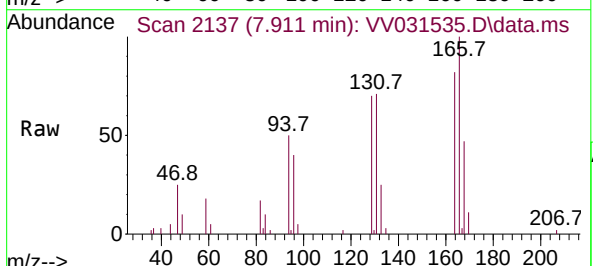
Ion Ratio Lower Upper

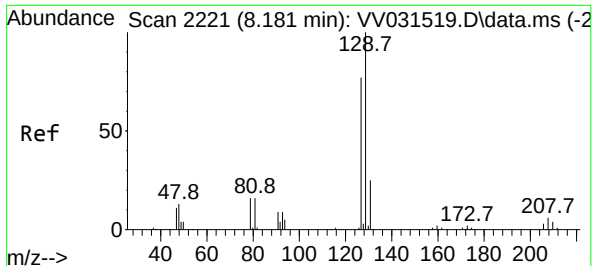
164 100

129 88.3 68.4 127.0

131 87.5 67.6 125.6

166 122.5 91.3 169.5





#49

Dibromochloromethane

Concen: 4.618 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.267 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Instrument :

MSVOA_V

ClientSampleId :

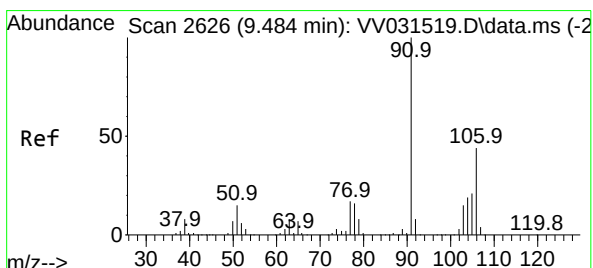
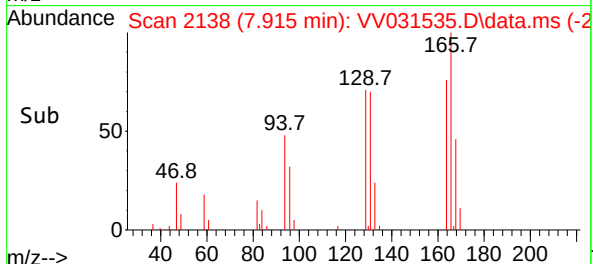
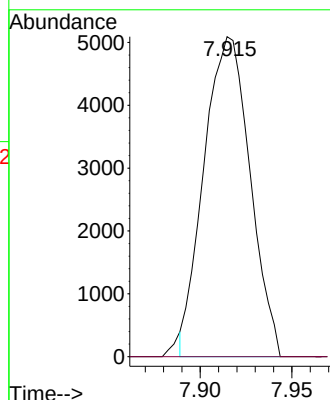
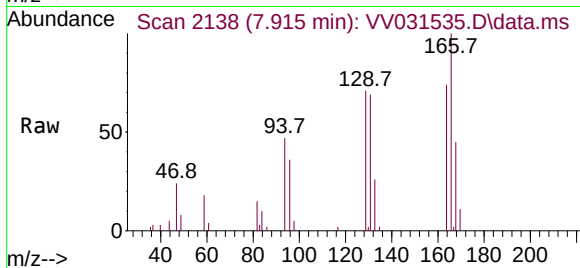
EXYT3

Tgt Ion:129 Resp: 8897

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



#54

o-Xylene

Concen: 0.754 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. 0.007 min

Lab File: VV031535.D

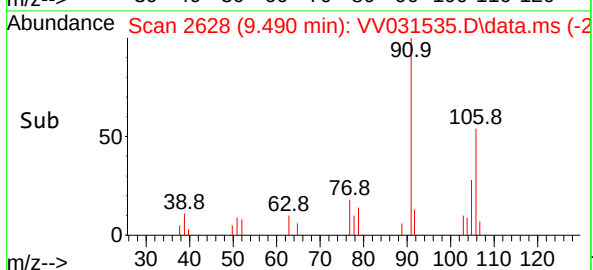
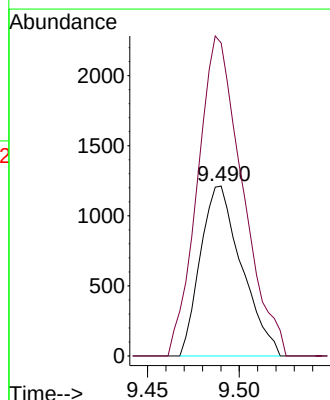
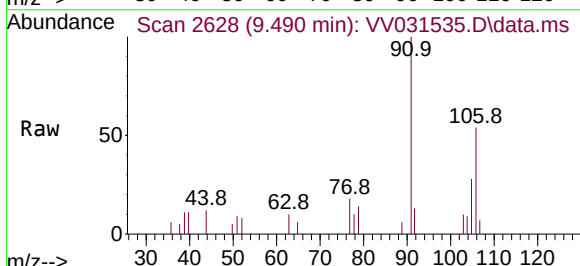
Acq: 15 Jun 2023 16:46

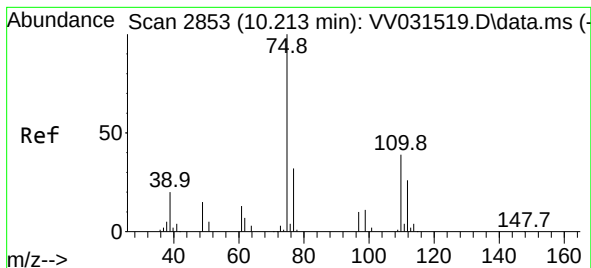
Tgt Ion:106 Resp: 1894

Ion Ratio Lower Upper

106 100

91 185.3 161.3 299.7





#61

1,2,3-Trichloropropane

Concen: 6.416 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.978 min

Lab File: VV031535.D

Acq: 15 Jun 2023 16:46

Instrument :

MSVOA_V

ClientSampleId :

EXYT3

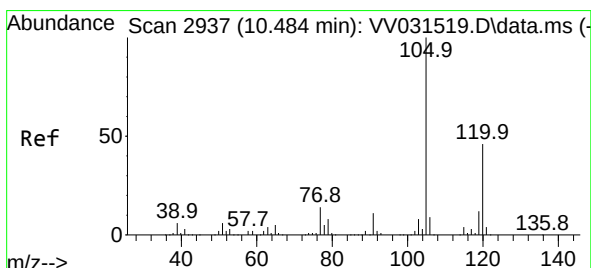
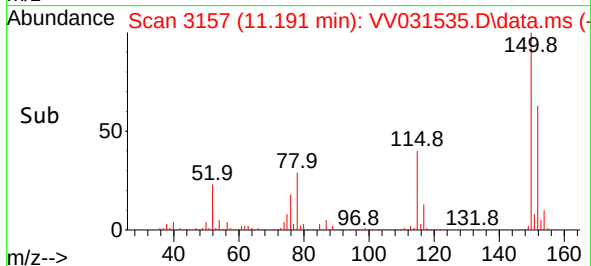
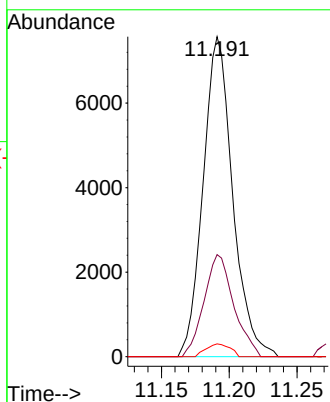
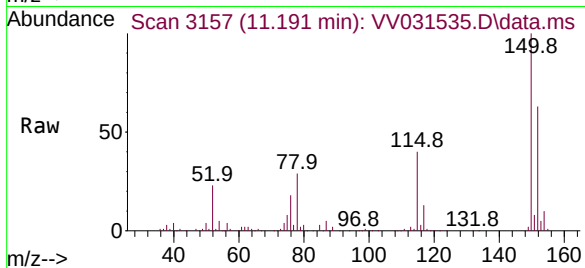
Tgt Ion: 75 Resp: 11479

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

110 3.2 31.3 46.9#



#62

1,3,5-Trimethylbenzene

Concen: 1.760 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.376 min

Lab File: VV031535.D

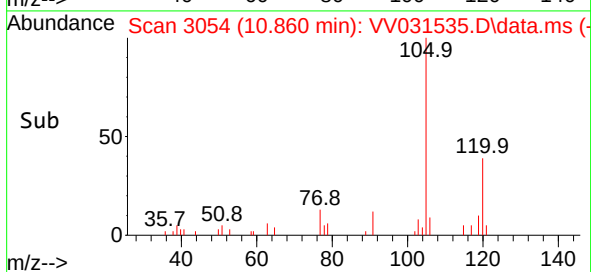
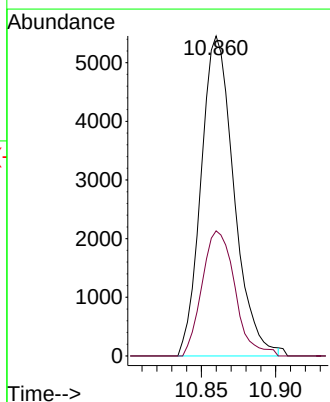
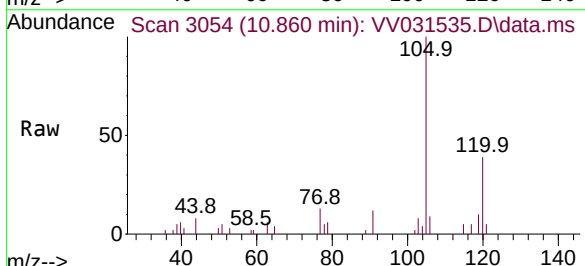
Acq: 15 Jun 2023 16:46

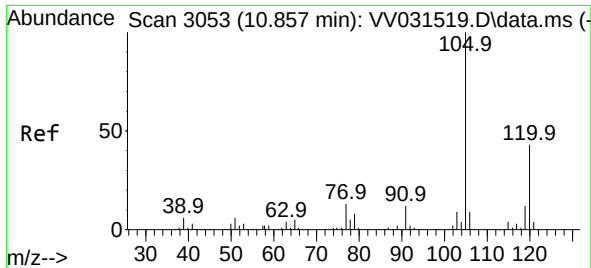
Tgt Ion: 105 Resp: 8402

Ion Ratio Lower Upper

105 100

120 38.8 36.2 54.2

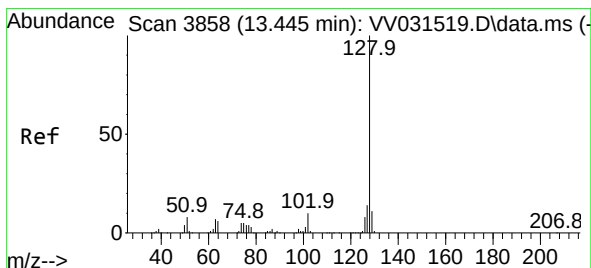
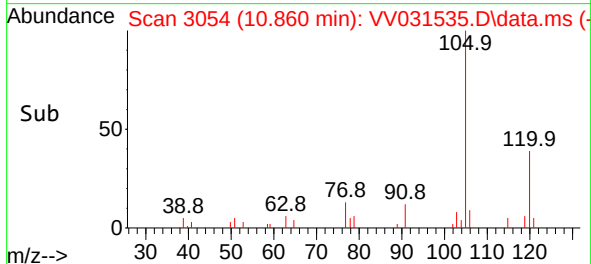
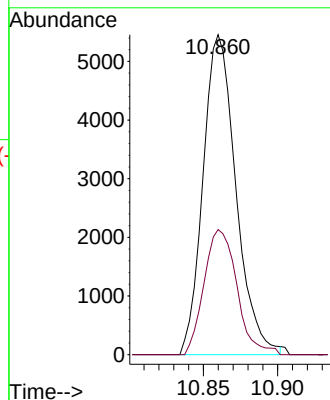
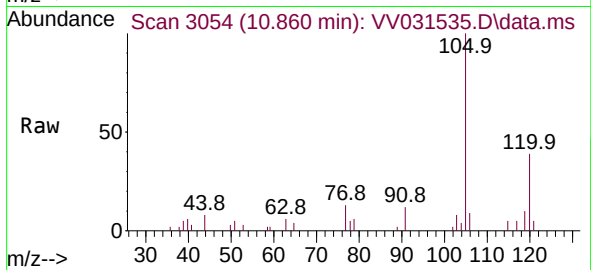




#63
1,2,4-Trimethylbenzene
Concen: 1.889 ug/L
RT: 10.860 min Scan# 3053
Delta R.T. 0.003 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Instrument :
MSVOA_V
ClientSampleId :
EXYT3

Tgt Ion:105 Resp: 8402
Ion Ratio Lower Upper
105 100
120 38.8 33.4 50.2



#71
Naphthalene
Concen: 1.390 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV031535.D
Acq: 15 Jun 2023 16:46

Tgt Ion:128 Resp: 6808
Ion Ratio Lower Upper
128 100
127 12.2 10.6 16.0
129 12.7 8.6 13.0

