

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031587.D
 Acq On : 16 Jun 2023 19:46
 Operator : SY/MD
 Sample : 03249-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

Quant Time: Jun 17 02:32:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 17 02:08:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	198608	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	202291	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	96722	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	37200	28.143	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	56.280%#
7) Chloroethane-d5	1.539	69	39681	34.406	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.820%#
11) 1,1-Dichloroethene-d2	2.066	65	20647	30.308	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.620%
21) 2-Butanone-d5	3.799	46	101438	94.775	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.780%
24) Chloroform-d	4.259	84	130533	39.432	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.860%
26) 1,2-Dichloroethane-d4	4.950	65	95054	45.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.780%
32) Benzene-d6	4.969	84	226704	39.814	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.620%
36) 1,2-Dichloropropane-d6	5.995	67	86593	42.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.820%
41) Toluene-d8	7.249	98	187463	35.877	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.760%#
43) trans-1,3-Dichloroprop...	7.558	79	40278	40.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.880%
47) 2-Hexanone-d5	8.034	63	70039	87.897	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.900%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	139033	45.641	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.280%
66) 1,2-Dichlorobenzene-d4	11.567	152	89012	48.279	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.560%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	174380	88.492	ug/L	98
8) Chloroethane	1.555	64	158936	124.877	ug/L	96
12) 1,1-Dichloroethene	2.076	96	6546	4.454	ug/L #	1
17) trans-1,2-Dichloroethene	2.706	96	13521	8.814	ug/L	91
19) 1,1-Dichloroethane	3.121	63	1051134	317.492	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	486670	293.573	ug/L	97
25) Chloroform	4.285	83	11587	3.367	ug/L	100
27) 1,2-Dichloroethane	5.053	62	20538	7.732	ug/L	96
30) 1,1,1-Trichloroethane	4.522	97	261323	80.573	ug/L	99
31) Carbon tetrachloride	4.522	117	31995	11.134	ug/L	100
33) Benzene	5.030	78	8573	1.273	ug/L	100
34) Trichloroethene	5.844	95	16037	8.911	ug/L	89
46) Tetrachloroethene	7.915	164	6646	4.705	ug/L	95
49) Dibromochloromethane	7.915	129	6414	3.089	ug/L #	9
61) 1,2,3-Trichloropropane	11.194	75	11527	6.034	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.860	105	3961	0.777	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	3961	0.834	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Sat Jun 17 02:08:04 2023
Response via : Initial Calibration

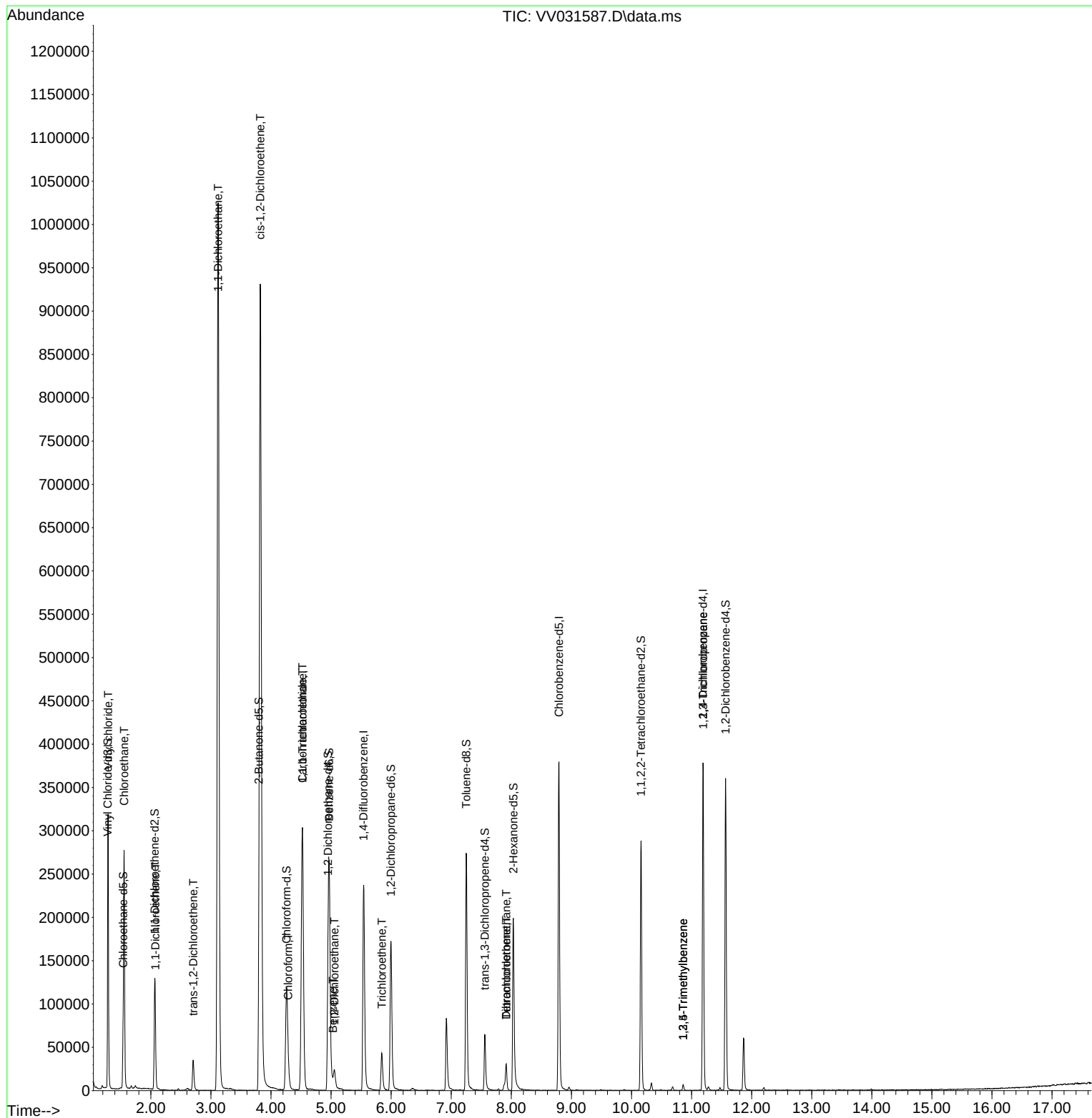
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

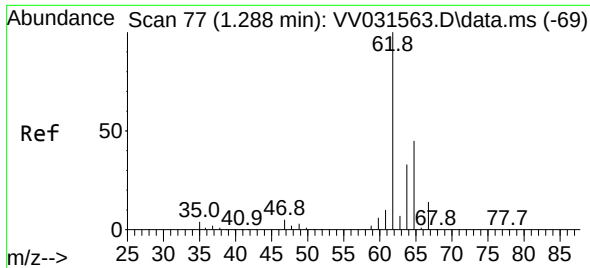
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Sat Jun 17 02:08:04 2023
Response via : Initial Calibration

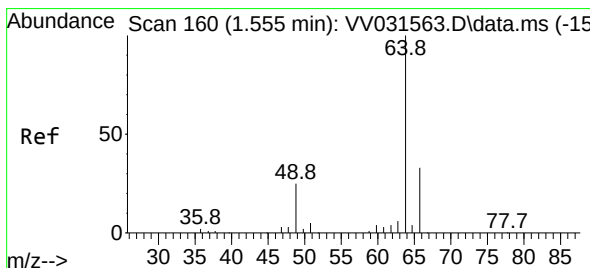
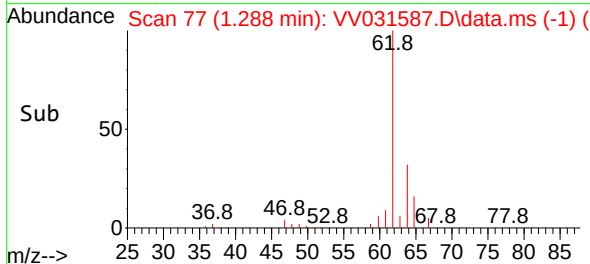
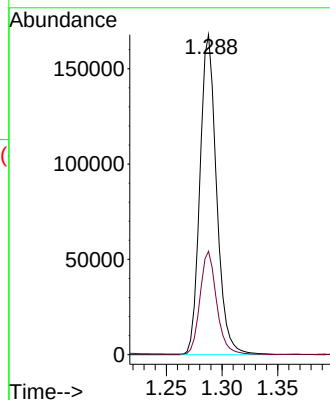
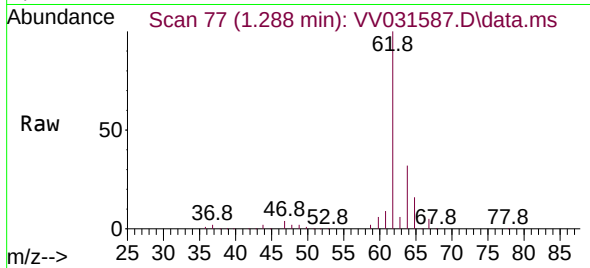




#5
 Vinyl chloride
 Concen: 88.492 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031587.D
 Acq: 16 Jun 2023 19:46

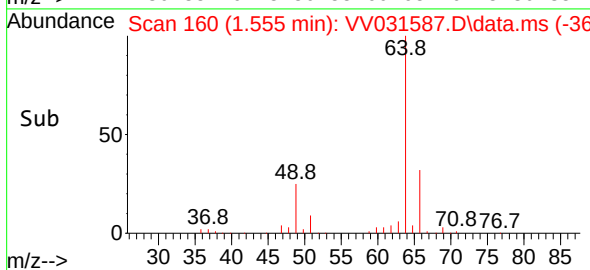
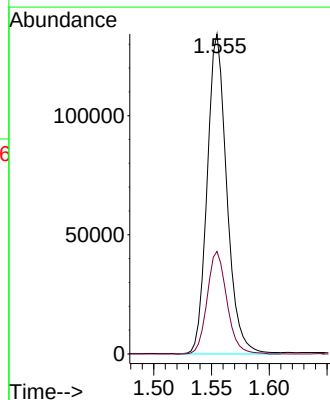
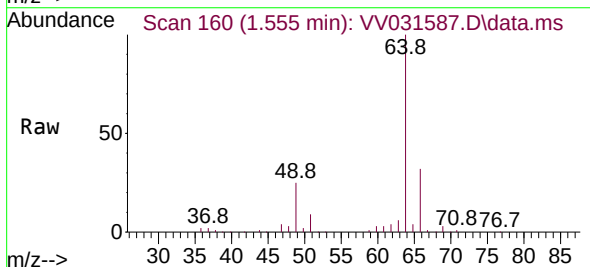
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

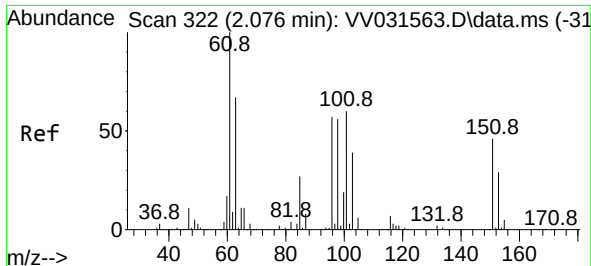
Tgt Ion: 62 Resp: 174380
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.4 43.4



#8
 Chloroethane
 Concen: 124.877 ug/L
 RT: 1.555 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VV031587.D
 Acq: 16 Jun 2023 19:46

Tgt Ion: 64 Resp: 158936
 Ion Ratio Lower Upper
 64 100
 66 32.1 21.0 39.0

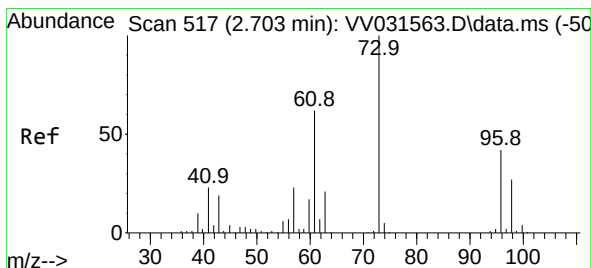
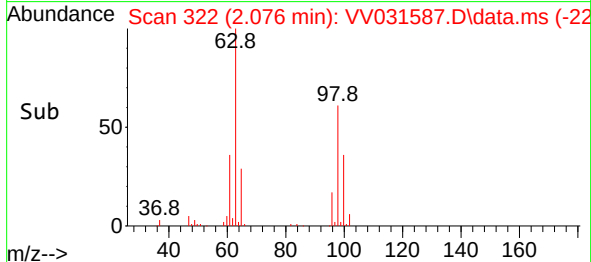
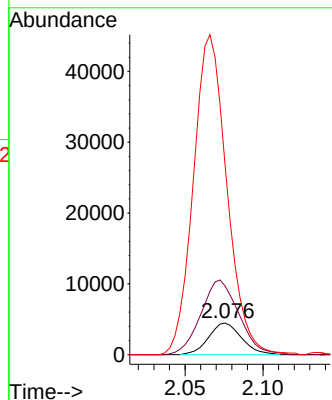
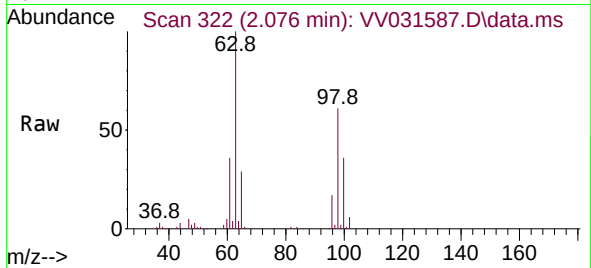




#12
1,1-Dichloroethene
Concen: 4.454 ug/L
RT: 2.076 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

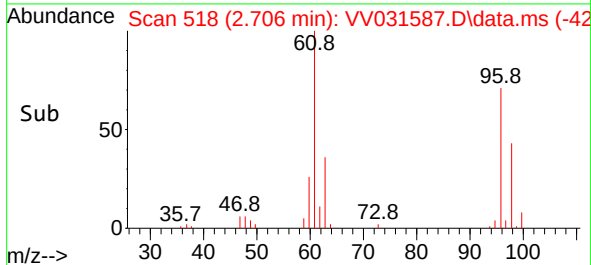
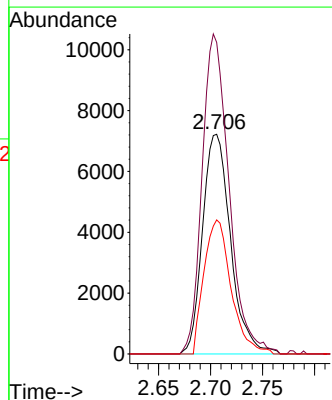
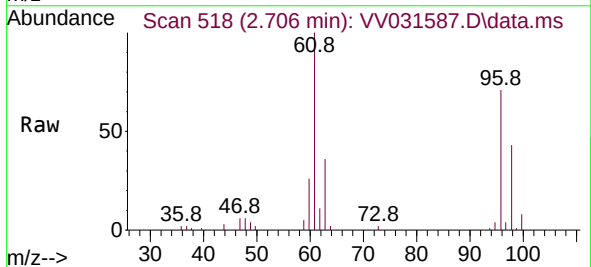
Instrument :
MSVOA_V
ClientSampleId :
EXYS3

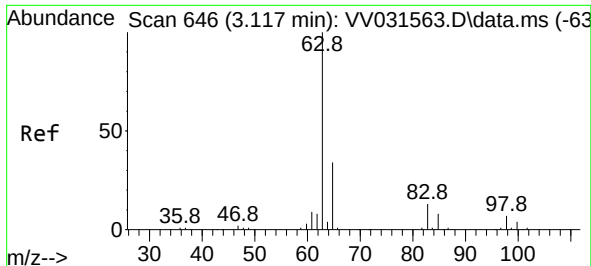
Tgt Ion: 96 Resp: 6546
Ion Ratio Lower Upper
96 100
61 216.8 128.9 239.5
63 600.0 95.3 177.1#



#17
trans-1,2-Dichloroethene
Concen: 8.814 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

Tgt Ion: 96 Resp: 13521
Ion Ratio Lower Upper
96 100
61 133.3 102.5 190.3
98 59.3 44.1 81.9





#19

1,1-Dichloroethane

Concen: 317.492 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031587.D

Acq: 16 Jun 2023 19:46

Instrument :

MSVOA_V

ClientSampleId :

EXYS3

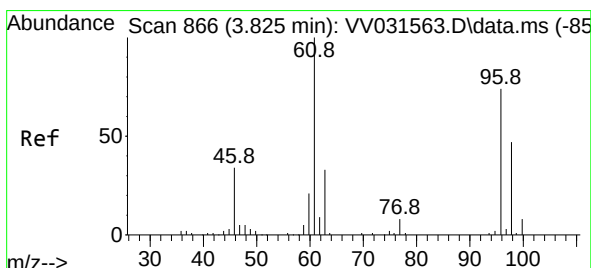
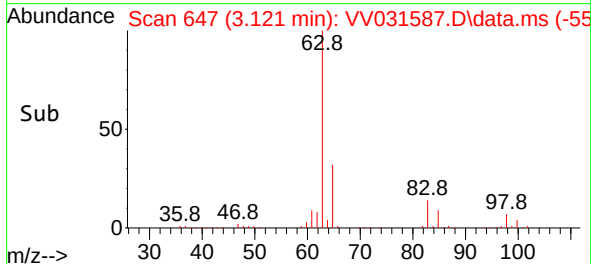
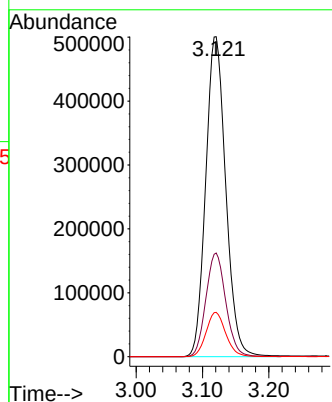
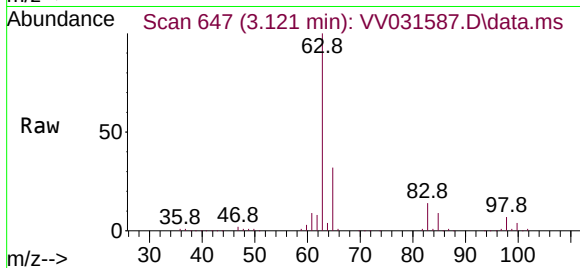
Tgt Ion: 63 Resp: 1051134

Ion Ratio Lower Upper

63 100

65 32.4 22.5 41.7

83 13.9 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 293.573 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031587.D

Acq: 16 Jun 2023 19:46

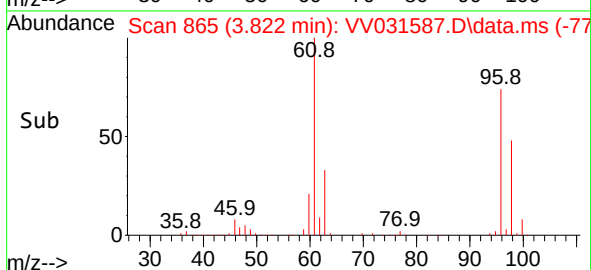
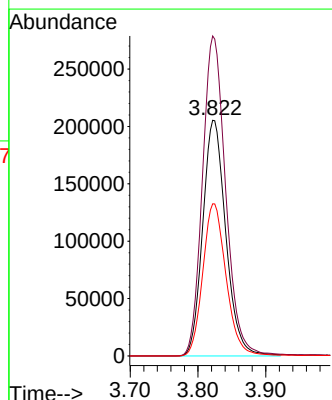
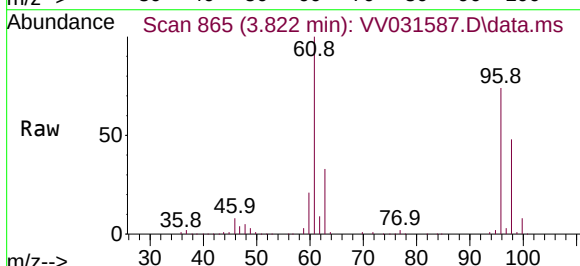
Tgt Ion: 96 Resp: 486670

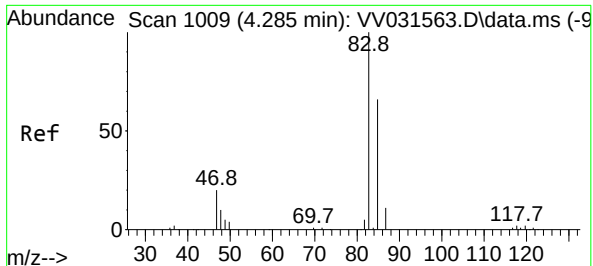
Ion Ratio Lower Upper

96 100

61 135.7 98.6 183.0

98 64.5 45.7 84.9





#25

Chloroform

Concen: 3.367 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV031587.D

Acq: 16 Jun 2023 19:46

Instrument :

MSVOA_V

ClientSampleId :

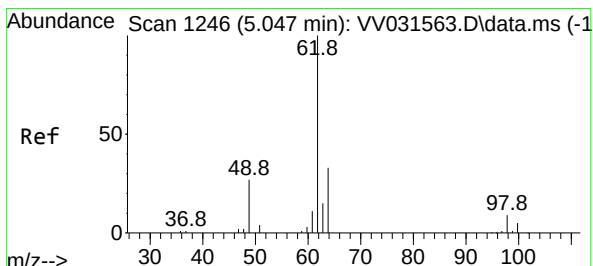
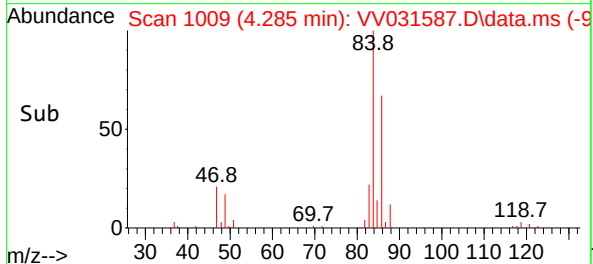
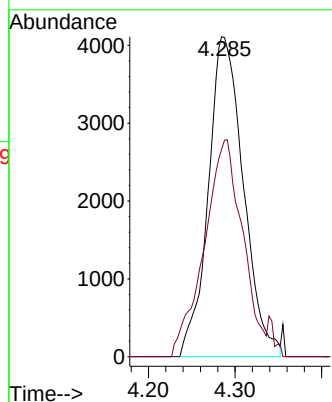
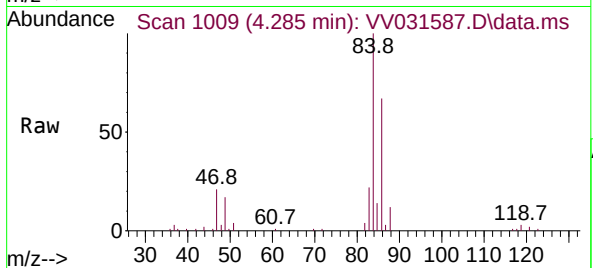
EXYS3

Tgt Ion: 83 Resp: 11587

Ion Ratio Lower Upper

83 100

85 64.8 45.3 84.1



#27

1,2-Dichloroethane

Concen: 7.732 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VV031587.D

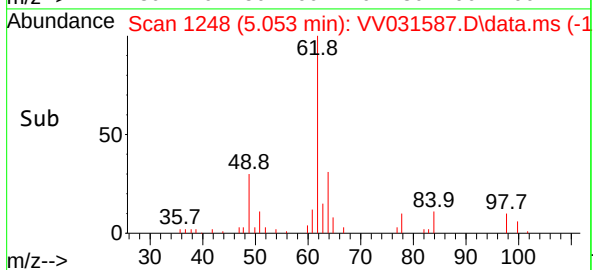
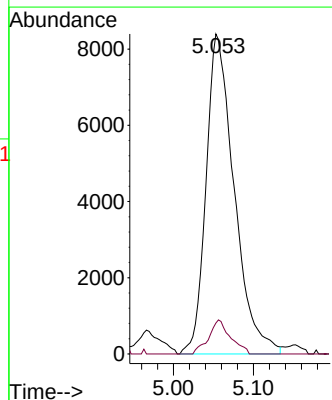
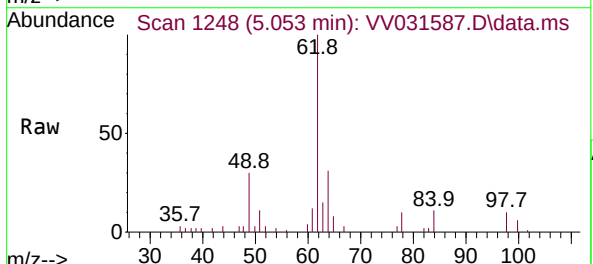
Acq: 16 Jun 2023 19:46

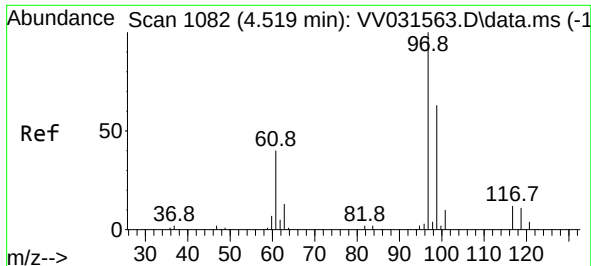
Tgt Ion: 62 Resp: 20538

Ion Ratio Lower Upper

62 100

98 9.6 6.6 9.8





#30

1,1,1-Trichloroethane

Concen: 80.573 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031587.D

Acq: 16 Jun 2023 19:46

Instrument :

MSVOA_V

ClientSampleId :

EXYS3

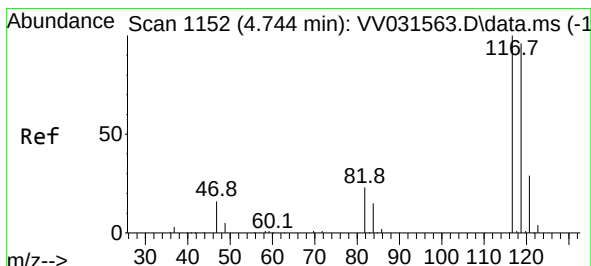
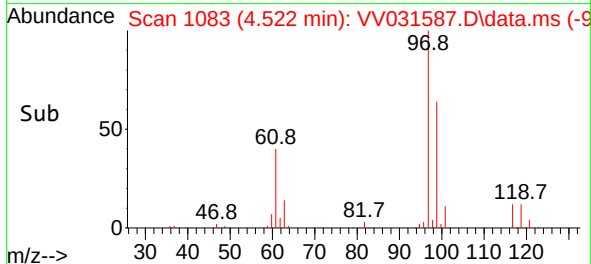
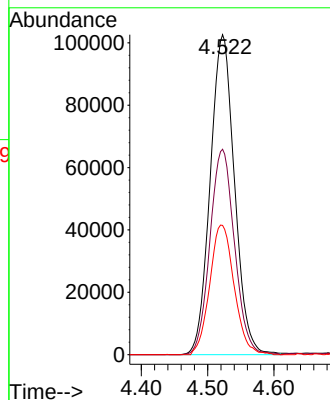
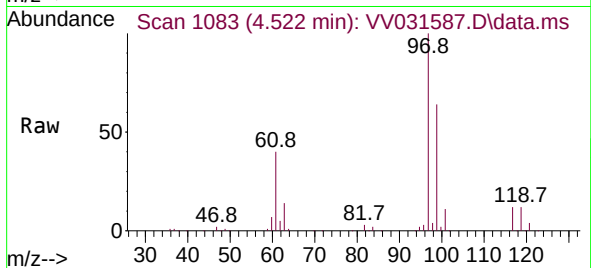
Tgt Ion: 97 Resp: 261323

Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 40.5 33.0 49.6



#31

Carbon tetrachloride

Concen: 11.134 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. -0.222 min

Lab File: VV031587.D

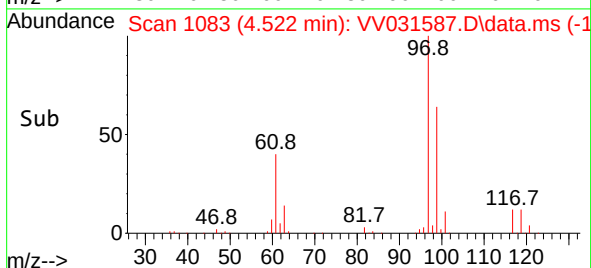
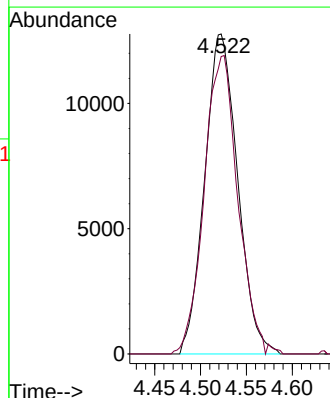
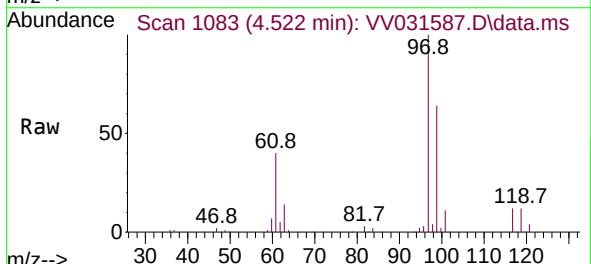
Acq: 16 Jun 2023 19:46

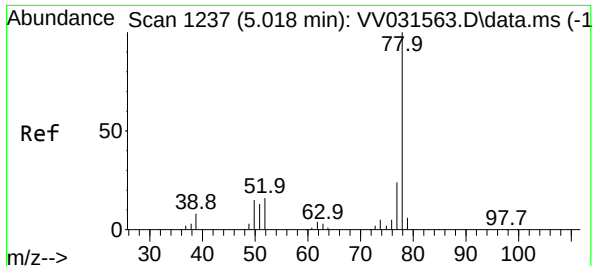
Tgt Ion: 117 Resp: 31995

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4

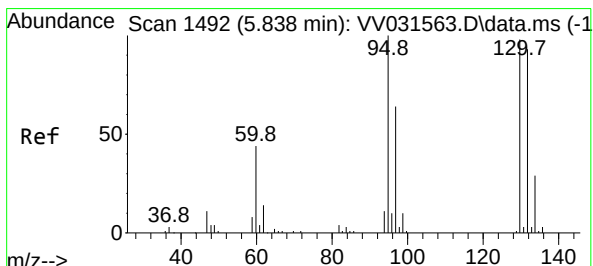
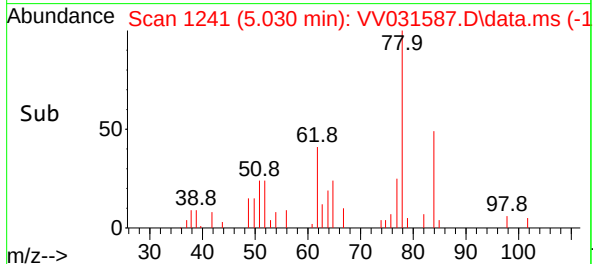
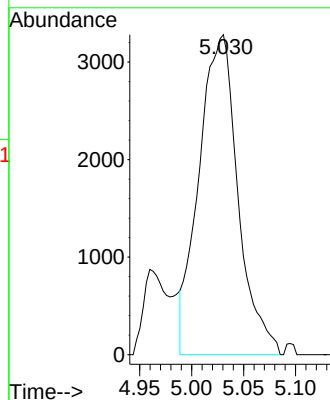
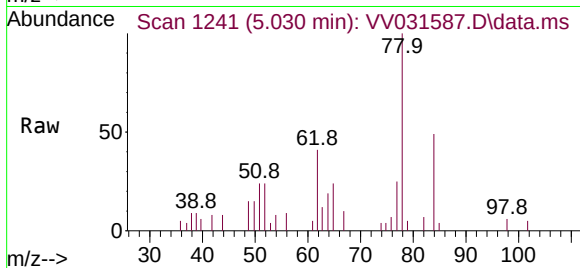




#33
Benzene
Concen: 1.273 ug/L
RT: 5.030 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

Instrument :
MSVOA_V
ClientSampleId :
EXYS3

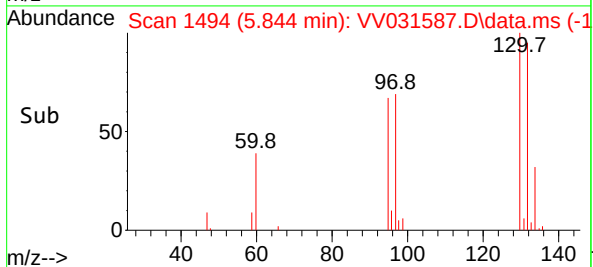
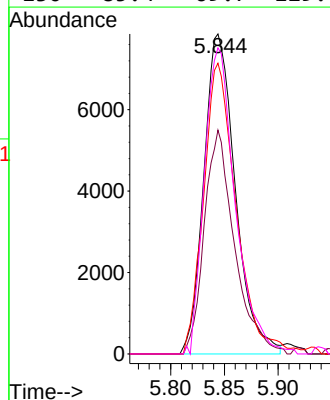
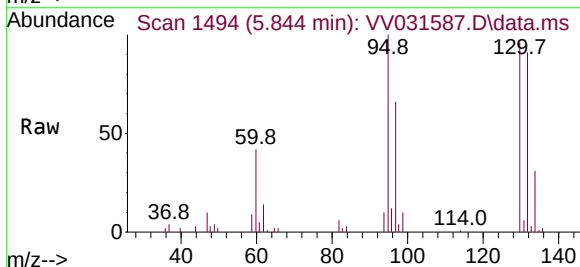
Tgt Ion: 78 Resp: 8573

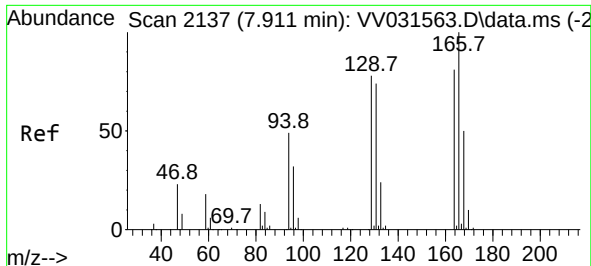


#34
Trichloroethene
Concen: 8.911 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

Tgt Ion: 95 Resp: 16037

Ion	Ratio	Lower	Upper
95	100		
97	62.5	46.8	86.8
132	84.3	66.4	123.2
130	85.4	69.7	129.4

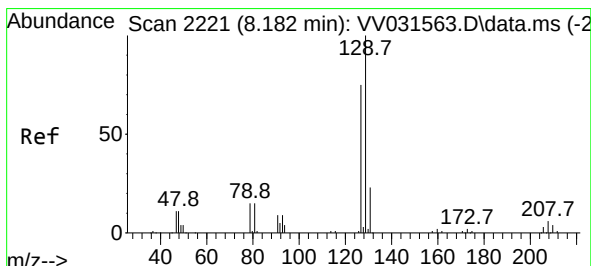
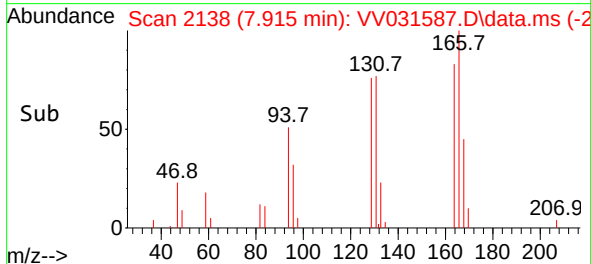
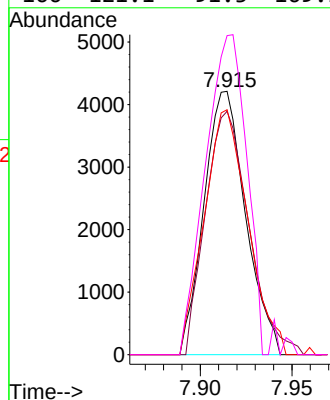
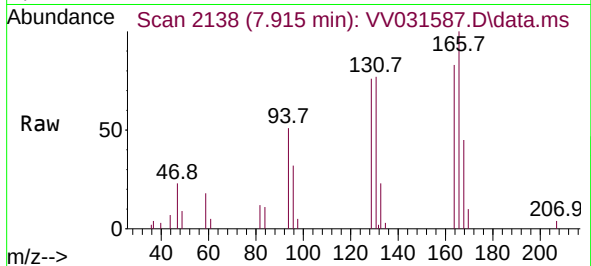




#46
Tetrachloroethene
Concen: 4.705 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

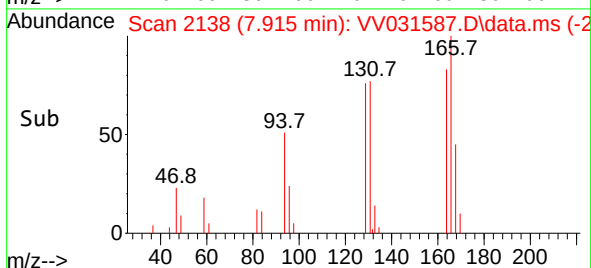
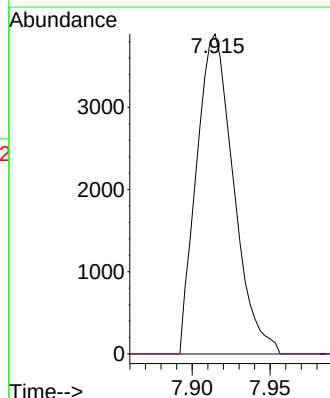
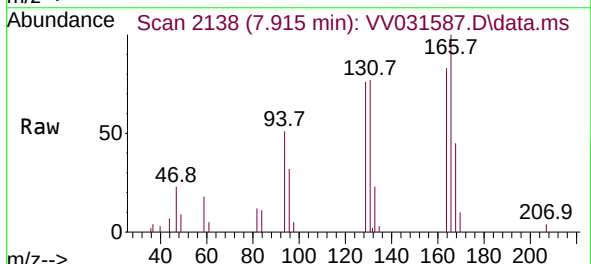
Instrument :
MSVOA_V
ClientSampleId :
EXYS3

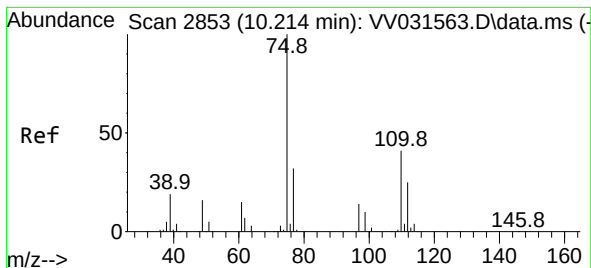
Tgt Ion:	164	Resp:	6646
Ion	Ratio	Lower	Upper
164	100		
129	92.4	68.4	127.0
131	95.4	67.6	125.6
166	121.1	91.3	169.5



#49
Dibromochloromethane
Concen: 3.089 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.267 min
Lab File: VV031587.D
Acq: 16 Jun 2023 19:46

Tgt Ion:	129	Resp:	6414
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#





#61

1,2,3-Trichloropropane

Concen: 6.034 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.981 min

Lab File: VV031587.D

Acq: 16 Jun 2023 19:46

Instrument :

MSVOA_V

ClientSampleId :

EXYS3

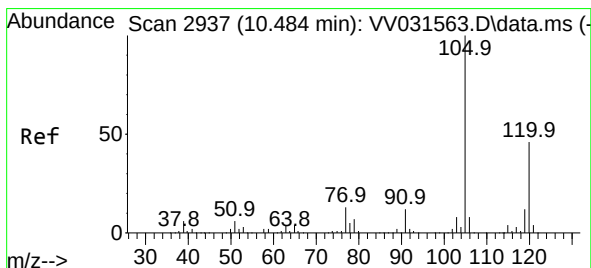
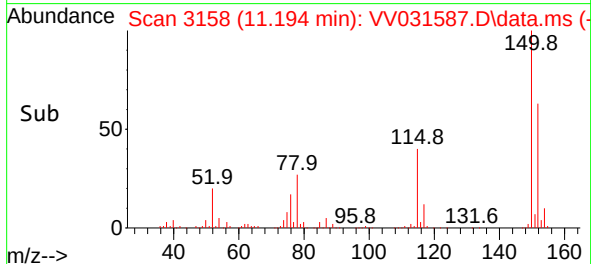
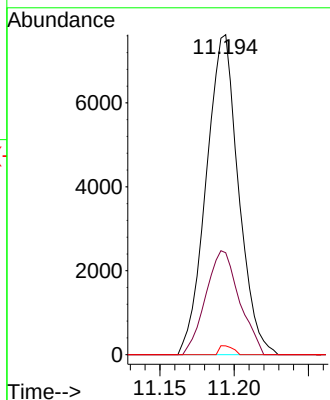
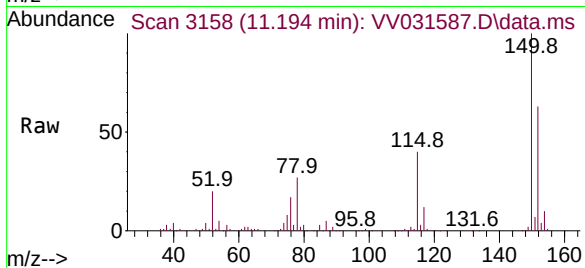
Tgt Ion: 75 Resp: 11527

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.0

110 1.2 31.3 46.9#



#62

1,3,5-Trimethylbenzene

Concen: 0.777 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.376 min

Lab File: VV031587.D

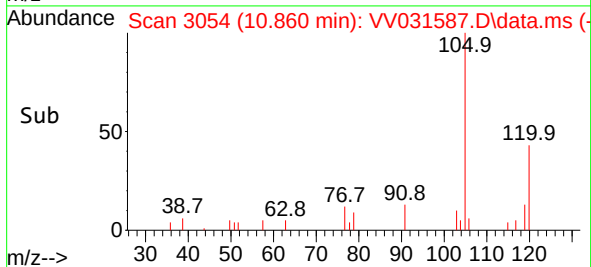
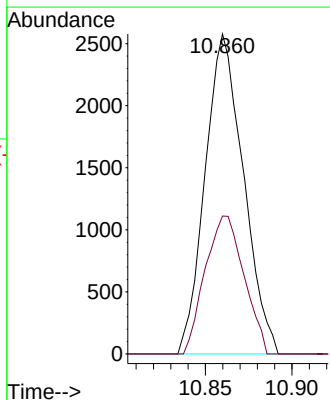
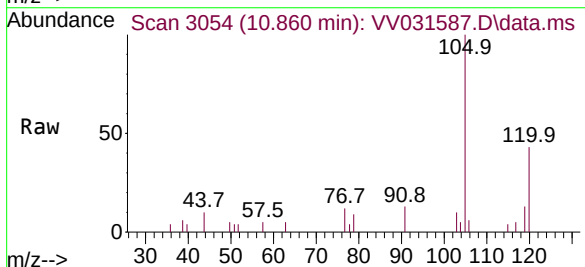
Acq: 16 Jun 2023 19:46

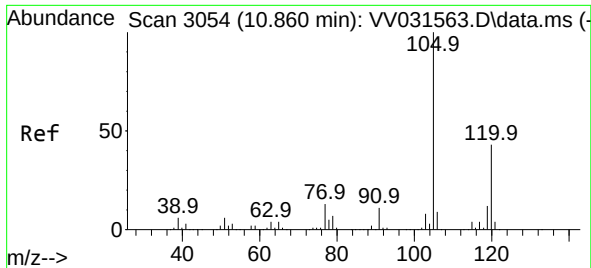
Tgt Ion: 105 Resp: 3961

Ion Ratio Lower Upper

105 100

120 43.7 36.2 54.2





#63
 1,2,4-Trimethylbenzene
 Concen: 0.834 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV031587.D
 Acq: 16 Jun 2023 19:46

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYS3

Tgt Ion:105 Resp: 3961
 Ion Ratio Lower Upper
 105 100
 120 43.7 33.4 50.2

