

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031532.D
 Acq On : 15 Jun 2023 15:36
 Operator : SY/MD
 Sample : 03249-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYT0

Quant Time: Jun 16 02:48:58 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	162063	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	163817	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	83844	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	45165	41.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.740%
7) Chloroethane-d5	1.535	69	42224	44.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.740%
11) 1,1-Dichloroethene-d2	2.063	65	23891	42.979	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.960%
21) 2-Butanone-d5	3.802	46	105231	120.490	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	120.490%
24) Chloroform-d	4.259	84	120719	44.691	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.380%
26) 1,2-Dichloroethane-d4	4.950	65	82431	48.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.540%
32) Benzene-d6	4.969	84	211703	45.912	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
36) 1,2-Dichloropropane-d6	5.995	67	78066	47.767	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.540%
41) Toluene-d8	7.252	98	176669	41.752	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.500%
43) trans-1,3-Dichloroprop...	7.561	79	35329	44.343	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.680%
47) 2-Hexanone-d5	8.034	63	72727	112.706	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.710%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	121676	49.325	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.640%
66) 1,2-Dichlorobenzene-d4	11.567	152	79842	49.957	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.920%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	88962	55.326	ug/L	98
8) Chloroethane	1.551	64	5915	5.695	ug/L	99
12) 1,1-Dichloroethene	2.076	96	5267	4.392	ug/L #	1
17) trans-1,2-Dichloroethene	2.703	96	3074	2.456	ug/L	96
19) 1,1-Dichloroethane	3.121	63	268236	99.290	ug/L	100
20) cis-1,2-Dichloroethene	3.821	96	427857	316.295	ug/L	100
25) Chloroform	4.288	83	5148	1.833	ug/L	95
27) 1,2-Dichloroethane	5.059	62	2105	0.971	ug/L #	89
30) 1,1,1-Trichloroethane	4.522	97	134359	51.156	ug/L	100
34) Trichloroethene	5.841	95	18030	12.371	ug/L	88
35) Methylcyclohexane	6.053	83	2270	1.057	ug/L	95
42) Toluene	7.329	91	7703	1.362	ug/L	92
46) Tetrachloroethene	7.911	164	31477	27.518	ug/L	95
52) Ethylbenzene	8.960	91	4081	0.647	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	11377	2.575	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	18767	4.559	ug/L	99

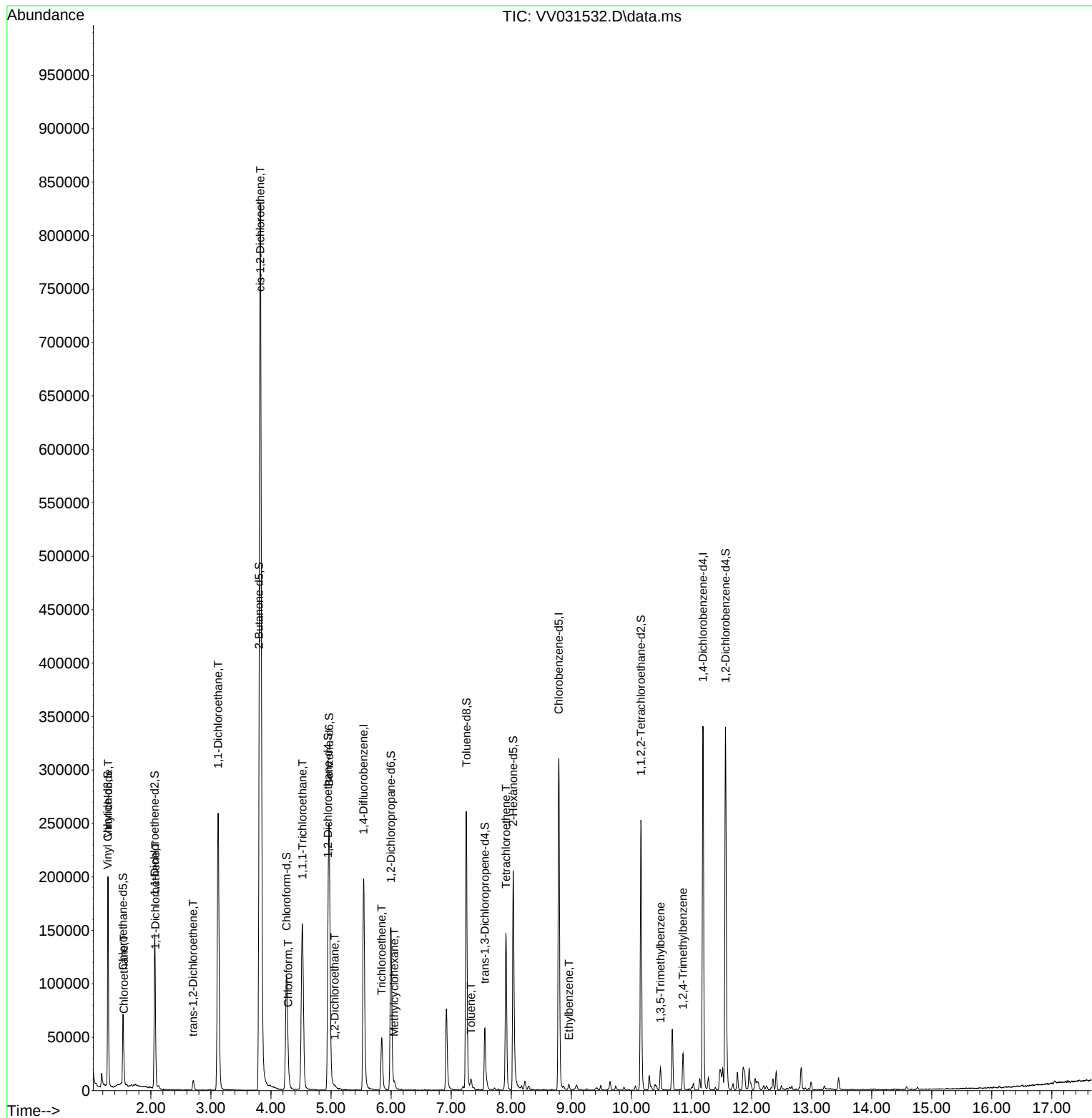
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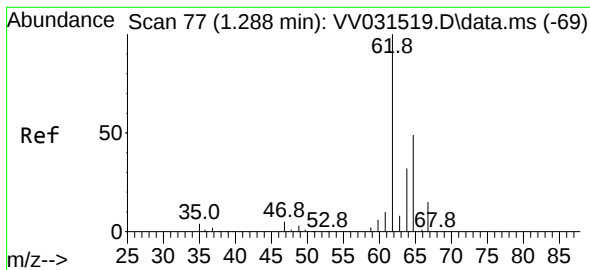
Instrument :
MSVOA_V
ClientSampleId :
EXYT0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061523\
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Quant Time: Jun 16 02:48:58 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: 55.326 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

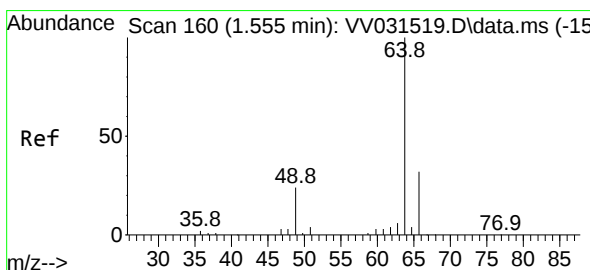
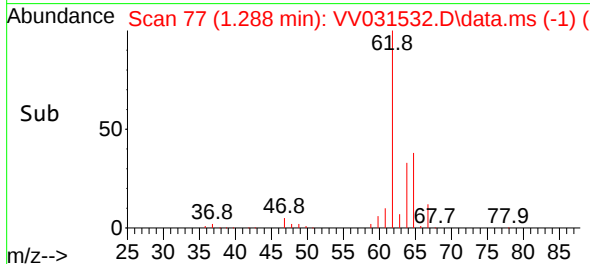
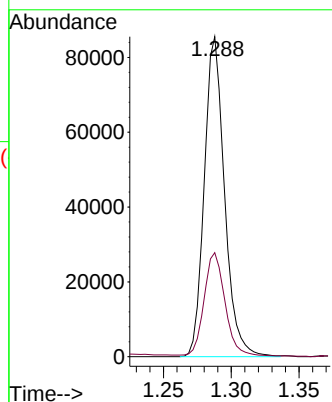
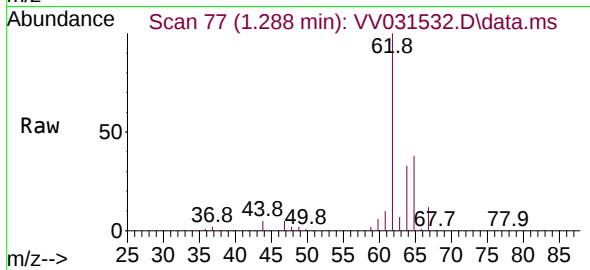
EXYT0

Tgt Ion: 62 Resp: 88962

Ion Ratio Lower Upper

62 100

64 32.5 23.4 43.4



#8

Chloroethane

Concen: 5.695 ug/L

RT: 1.551 min Scan# 159

Delta R.T. -0.003 min

Lab File: VV031532.D

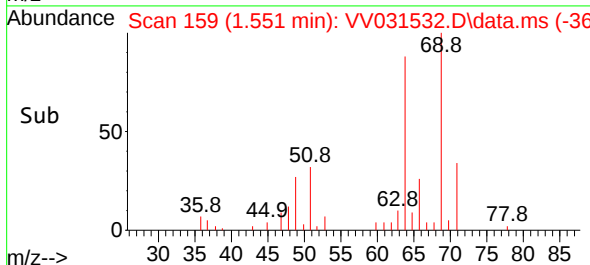
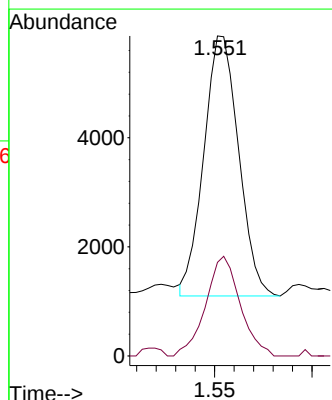
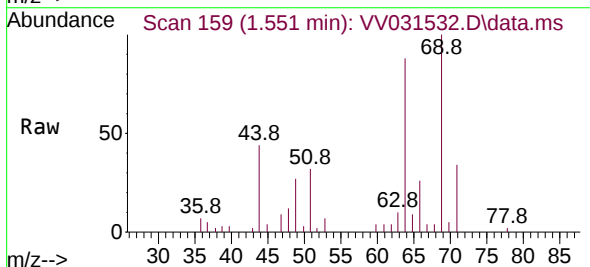
Acq: 15 Jun 2023 15:36

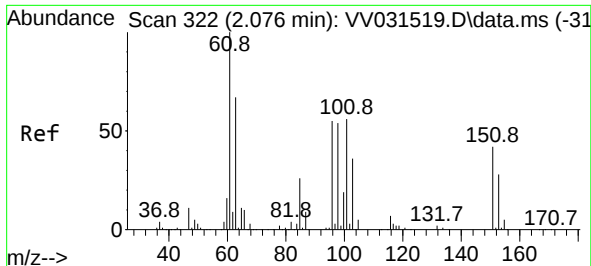
Tgt Ion: 64 Resp: 5915

Ion Ratio Lower Upper

64 100

66 29.2 21.0 39.0





#12

1,1-Dichloroethene

Concen: 4.392 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

EXYT0

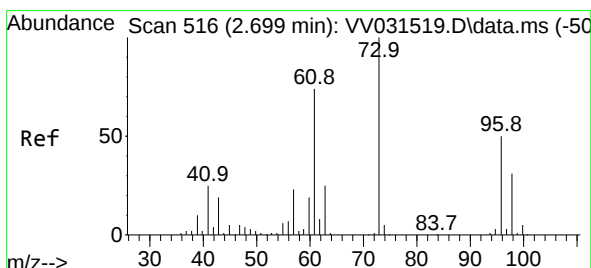
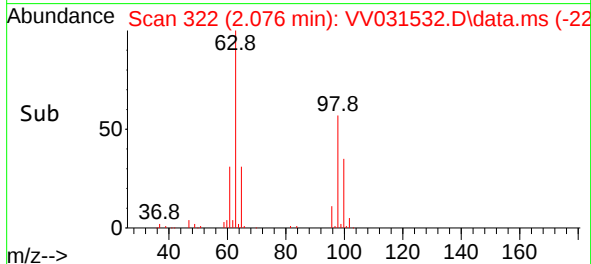
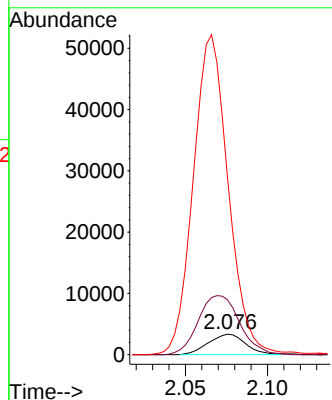
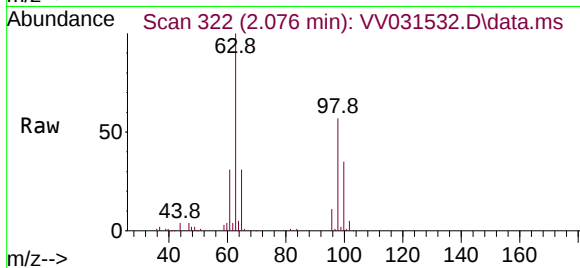
Tgt Ion: 96 Resp: 5267

Ion Ratio Lower Upper

96 100

61 269.5 128.9 239.5#

63 871.7 95.3 177.1#



#17

trans-1,2-Dichloroethene

Concen: 2.456 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

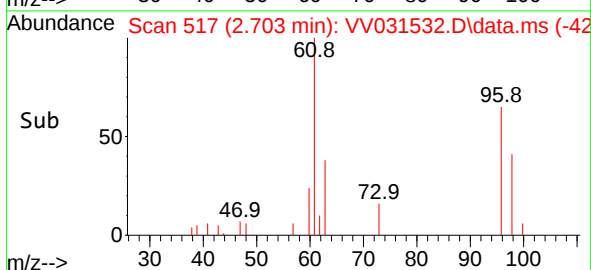
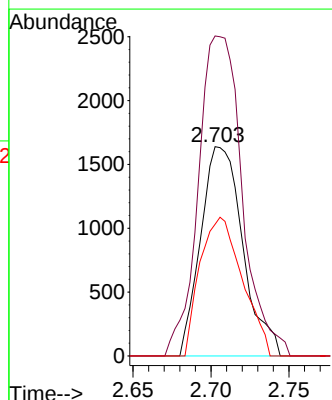
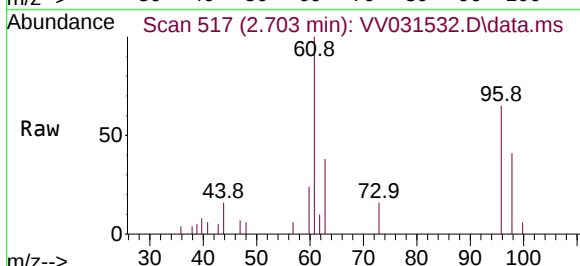
Tgt Ion: 96 Resp: 3074

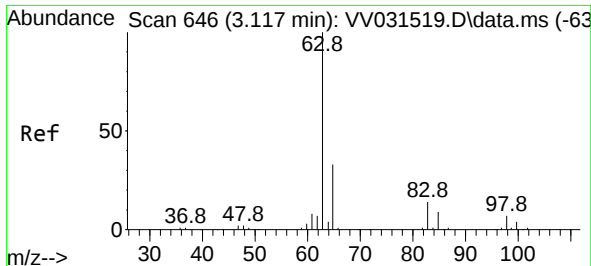
Ion Ratio Lower Upper

96 100

61 152.9 102.5 190.3

98 62.9 44.1 81.9





#19

1,1-Dichloroethane

Concen: 99.290 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

EXYT0

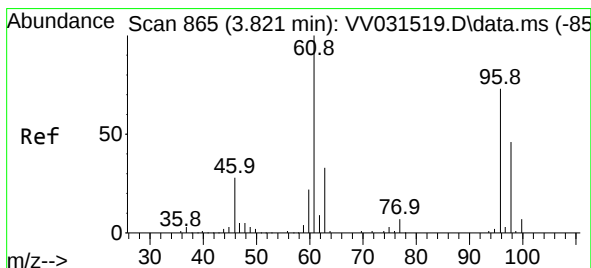
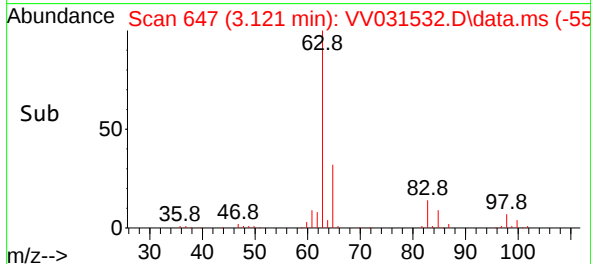
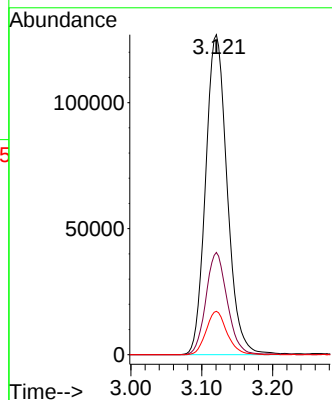
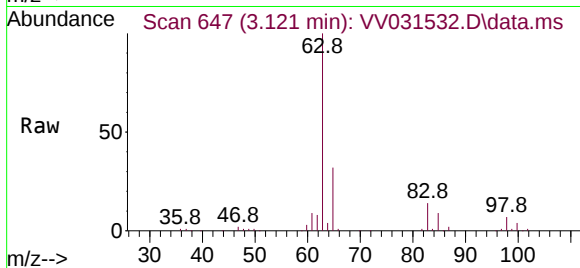
Tgt Ion: 63 Resp: 268236

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.7

83 14.3 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 316.295 ug/L

RT: 3.821 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

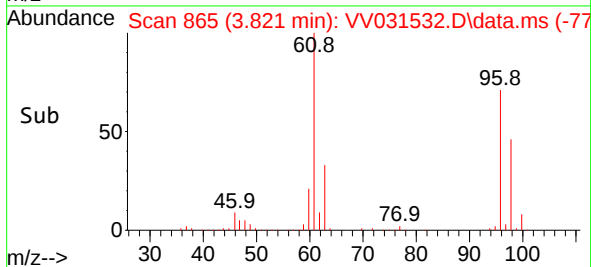
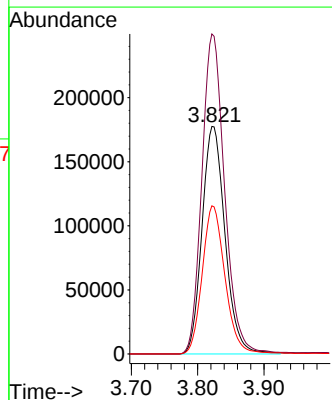
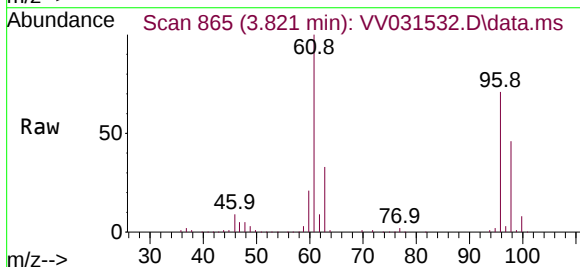
Tgt Ion: 96 Resp: 427857

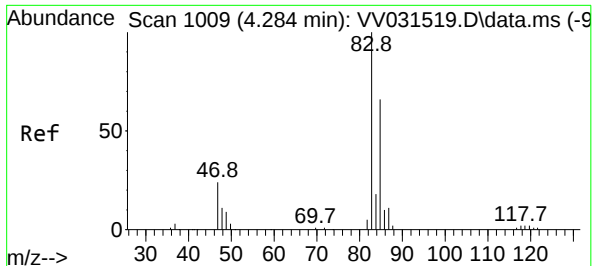
Ion Ratio Lower Upper

96 100

61 140.7 98.6 183.0

98 65.1 45.7 84.9





#25

Chloroform

Concen: 1.833 ug/L

RT: 4.288 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

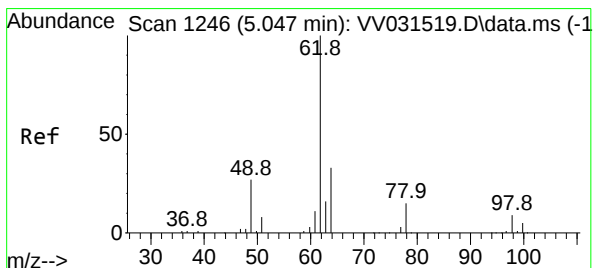
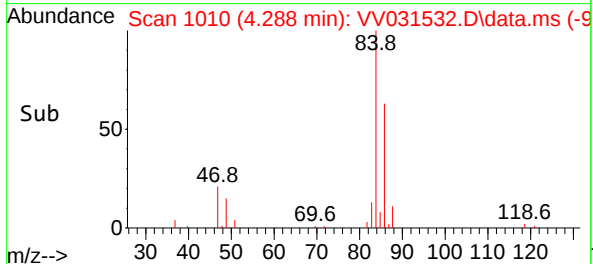
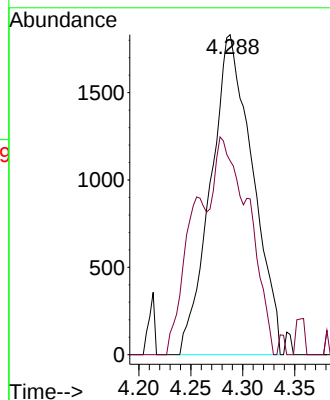
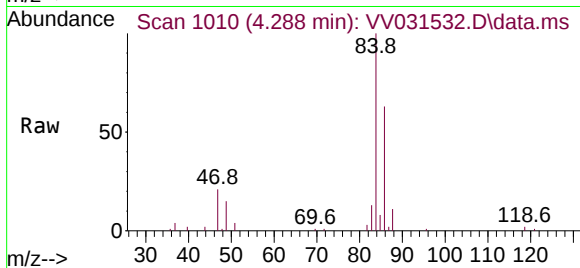
EXYT0

Tgt Ion: 83 Resp: 5148

Ion Ratio Lower Upper

83 100

85 60.6 45.3 84.1



#27

1,2-Dichloroethane

Concen: 0.971 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.013 min

Lab File: VV031532.D

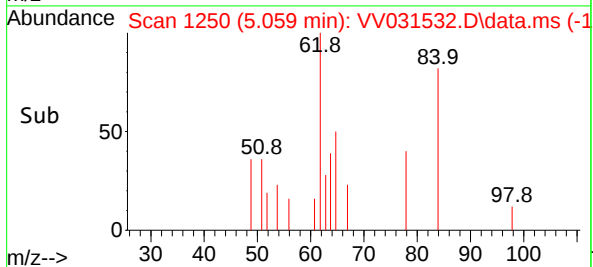
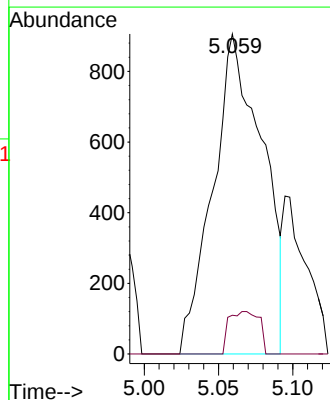
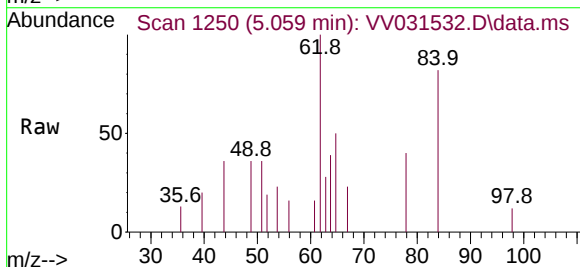
Acq: 15 Jun 2023 15:36

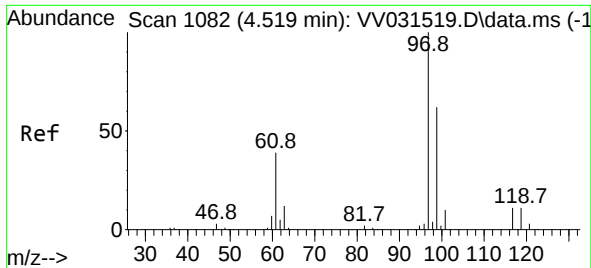
Tgt Ion: 62 Resp: 2105

Ion Ratio Lower Upper

62 100

98 12.1 6.6 9.8#

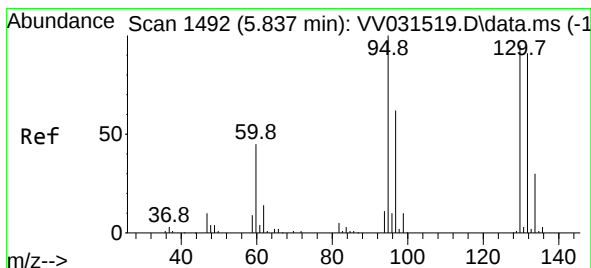
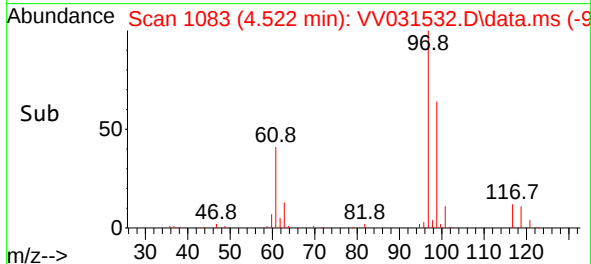
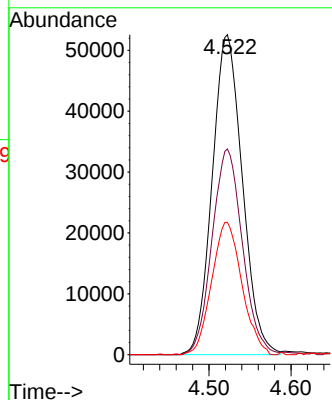
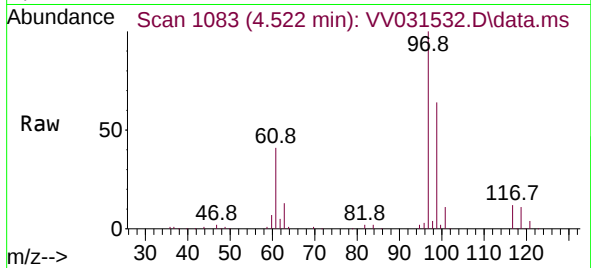




#30
1,1,1-Trichloroethane
Concen: 51.156 ug/L
RT: 4.522 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

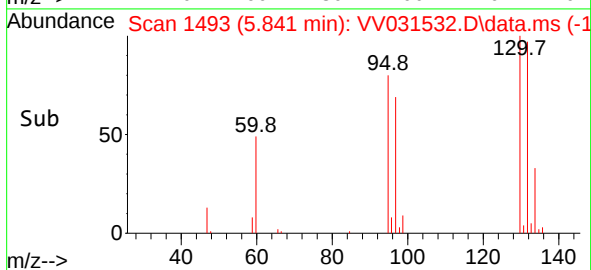
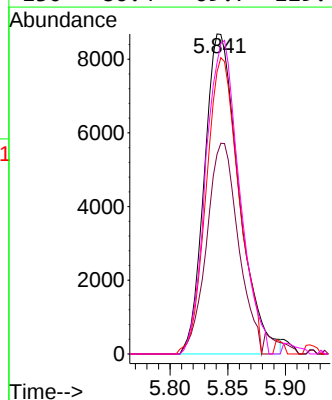
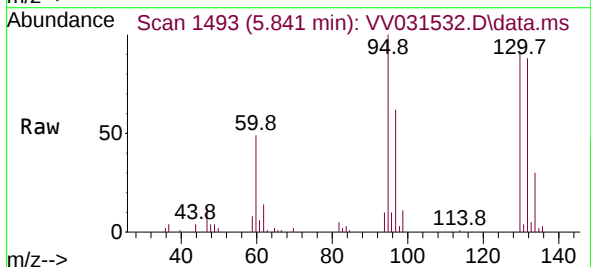
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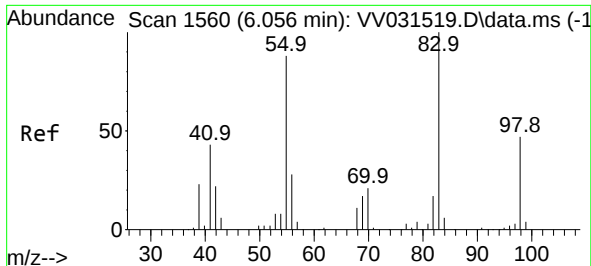
Tgt Ion: 97 Resp: 134359
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.6
61 41.5 33.0 49.6



#34
Trichloroethene
Concen: 12.371 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

Tgt Ion: 95 Resp: 18030
Ion Ratio Lower Upper
95 100
97 56.8 46.8 86.8
132 84.6 66.4 123.2
130 86.4 69.7 129.4

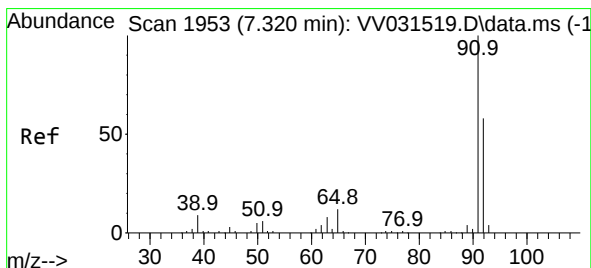
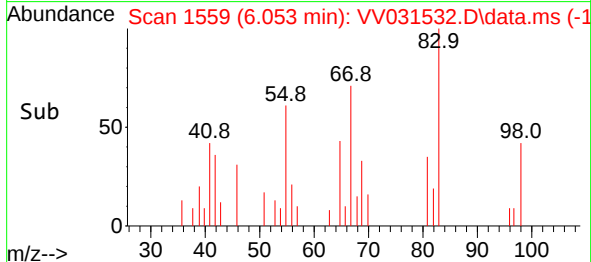
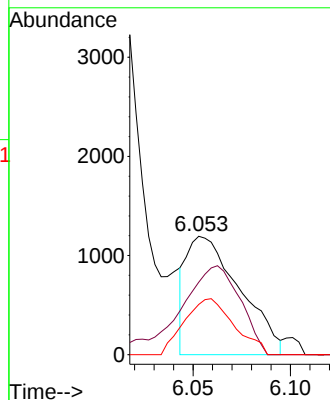
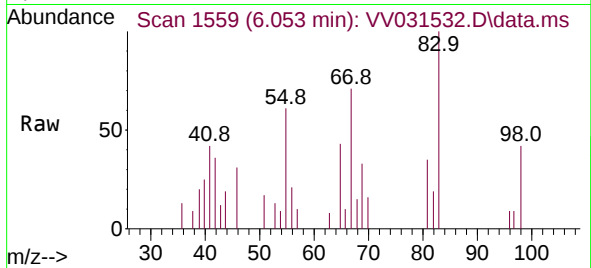




#35
Methylcyclohexane
Concen: 1.057 ug/L
RT: 6.053 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

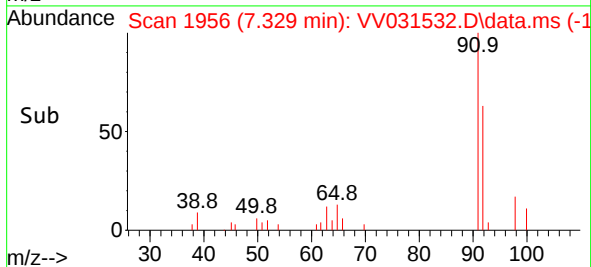
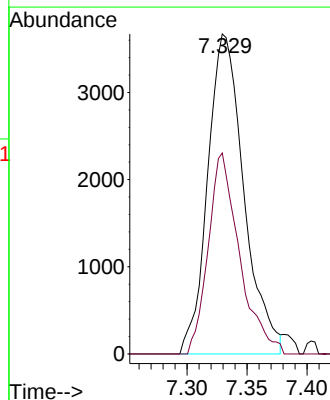
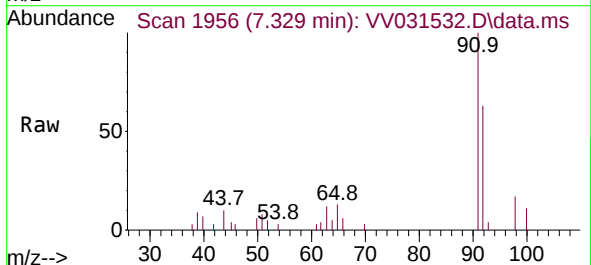
Instrument :
MSVOA_V
ClientSampleId :
EXYT0

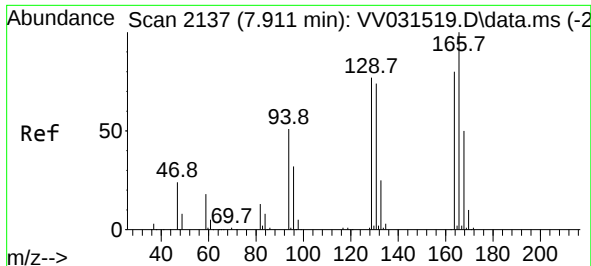
Tgt Ion: 83 Resp: 2270
Ion Ratio Lower Upper
83 100
55 79.9 68.7 103.1
98 44.0 37.0 55.4



#42
Toluene
Concen: 1.362 ug/L
RT: 7.329 min Scan# 1956
Delta R.T. 0.010 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

Tgt Ion: 91 Resp: 7703
Ion Ratio Lower Upper
91 100
92 62.8 39.6 73.6

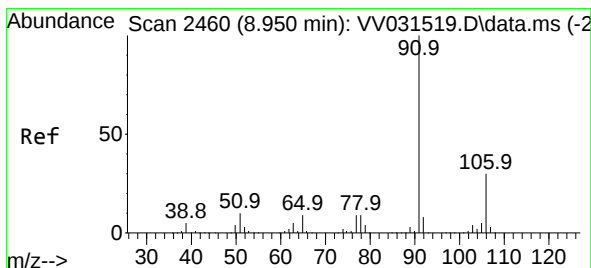
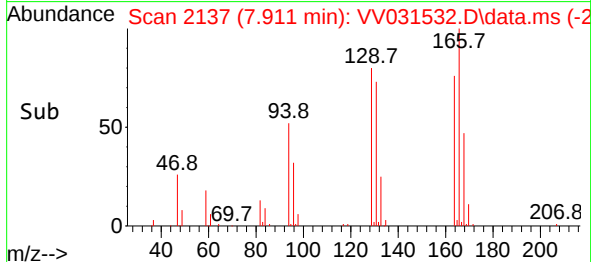
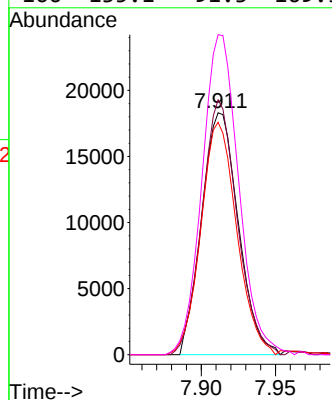
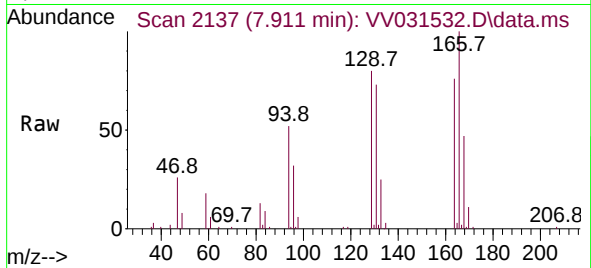




#46
Tetrachloroethene
Concen: 27.518 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

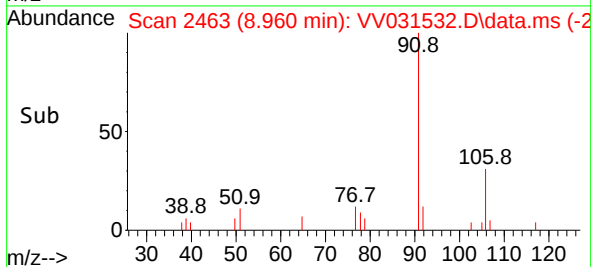
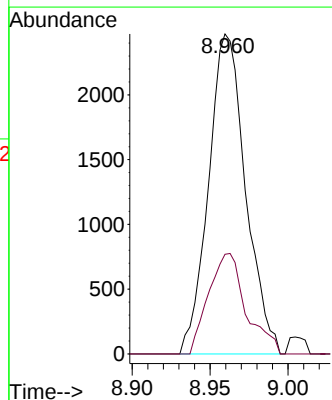
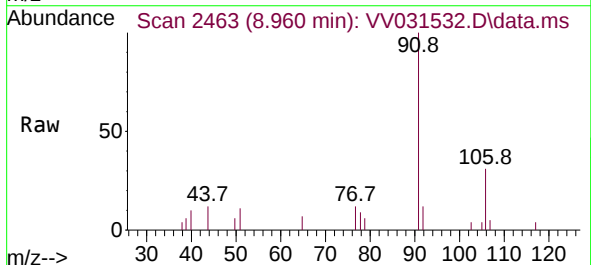
Instrument :
MSVOA_V
ClientSampleId :
EXYT0

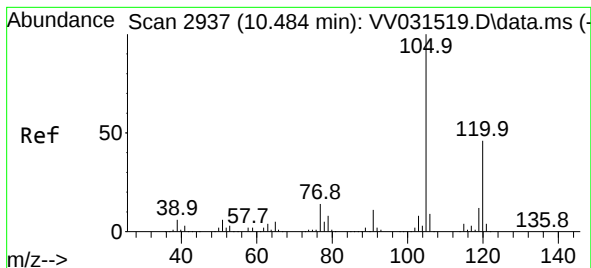
Tgt Ion:	164	Resp:	31477
Ion	Ratio	Lower	Upper
164	100		
129	105.3	68.4	127.0
131	98.6	67.6	125.6
166	135.1	91.3	169.5



#52
Ethylbenzene
Concen: 0.647 ug/L
RT: 8.960 min Scan# 2463
Delta R.T. 0.010 min
Lab File: VV031532.D
Acq: 15 Jun 2023 15:36

Tgt Ion:	91	Resp:	4081
Ion	Ratio	Lower	Upper
91	100		
106	31.1	20.8	38.6





#62

1,3,5-Trimethylbenzene

Concen: 2.575 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

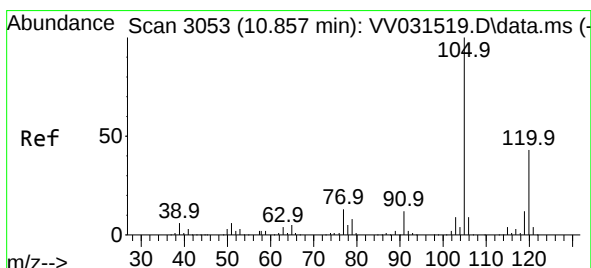
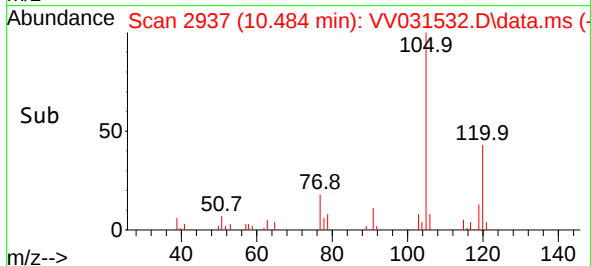
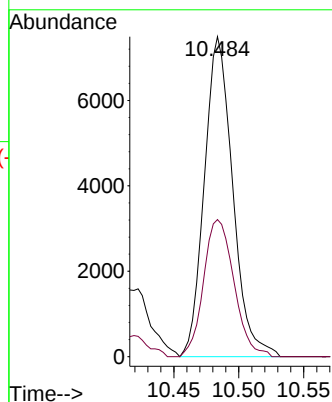
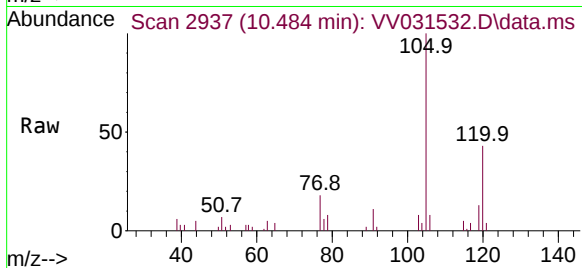
EXYT0

Tgt Ion:105 Resp: 11377

Ion Ratio Lower Upper

105 100

120 45.9 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 4.559 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031532.D

Acq: 15 Jun 2023 15:36

Tgt Ion:105 Resp: 18767

Ion Ratio Lower Upper

105 100

120 42.4 33.4 50.2

