

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031523.D
 Acq On : 15 Jun 2023 12:09
 Operator : SY/MD
 Sample : 03254-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ2

Quant Time: Jun 16 02:46:19 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	223883	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	223171	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	131175	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	65553	43.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.980%
7) Chloroethane-d5	1.539	69	60728	46.711	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.420%
11) 1,1-Dichloroethene-d2	2.066	65	33523	43.654	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.300%
21) 2-Butanone-d5	3.799	46	125345	103.891	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.890%
24) Chloroform-d	4.259	84	166633	44.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
26) 1,2-Dichloroethane-d4	4.950	65	110673	47.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.800%
32) Benzene-d6	4.966	84	294864	46.940	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.880%
36) 1,2-Dichloropropane-d6	5.995	67	104263	46.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.660%
41) Toluene-d8	7.249	98	247572	42.948	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.900%
43) trans-1,3-Dichloroprop...	7.558	79	50094	46.153	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.300%
47) 2-Hexanone-d5	8.031	63	82400	93.735	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.730%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	155824	46.368	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.740%
66) 1,2-Dichlorobenzene-d4	11.567	152	124595	49.830	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.660%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.288	62	112384	50.593	ug/L	99
8) Chloroethane	1.555	64	92331	64.355	ug/L	96
9) Trichlorofluoromethane	1.719	101	3190	0.863	ug/L	98
12) 1,1-Dichloroethene	2.076	96	39394	23.780	ug/L #	75
17) trans-1,2-Dichloroethene	2.703	96	19483	11.267	ug/L	97
19) 1,1-Dichloroethane	3.118	63	2042503	547.285	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	3649402	1952.893	ug/L	98
25) Chloroform	4.282	83	8856	2.283	ug/L	82
27) 1,2-Dichloroethane	5.053	62	12958	4.328	ug/L #	92
30) 1,1,1-Trichloroethane	4.523	97	2724301	761.383	ug/L	99
33) Benzene	5.021	78	12545	1.688	ug/L	100
34) Trichloroethene	5.844	95	29380	14.797	ug/L	94
42) Toluene	7.323	91	100827	13.088	ug/L	98
45) 1,1,2-Trichloroethane	7.786	97	2097	1.017	ug/L #	81
46) Tetrachloroethene	7.912	164	24667	15.829	ug/L	98
52) Ethylbenzene	8.953	91	38291	4.454	ug/L	98
53) m,p-Xylene	9.079	106	49196	15.627	ug/L	94
54) o-Xylene	9.484	106	52704	17.642	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	85434	12.361	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Fri Jun 16 02:44:48 2023
Response via : Initial Calibration

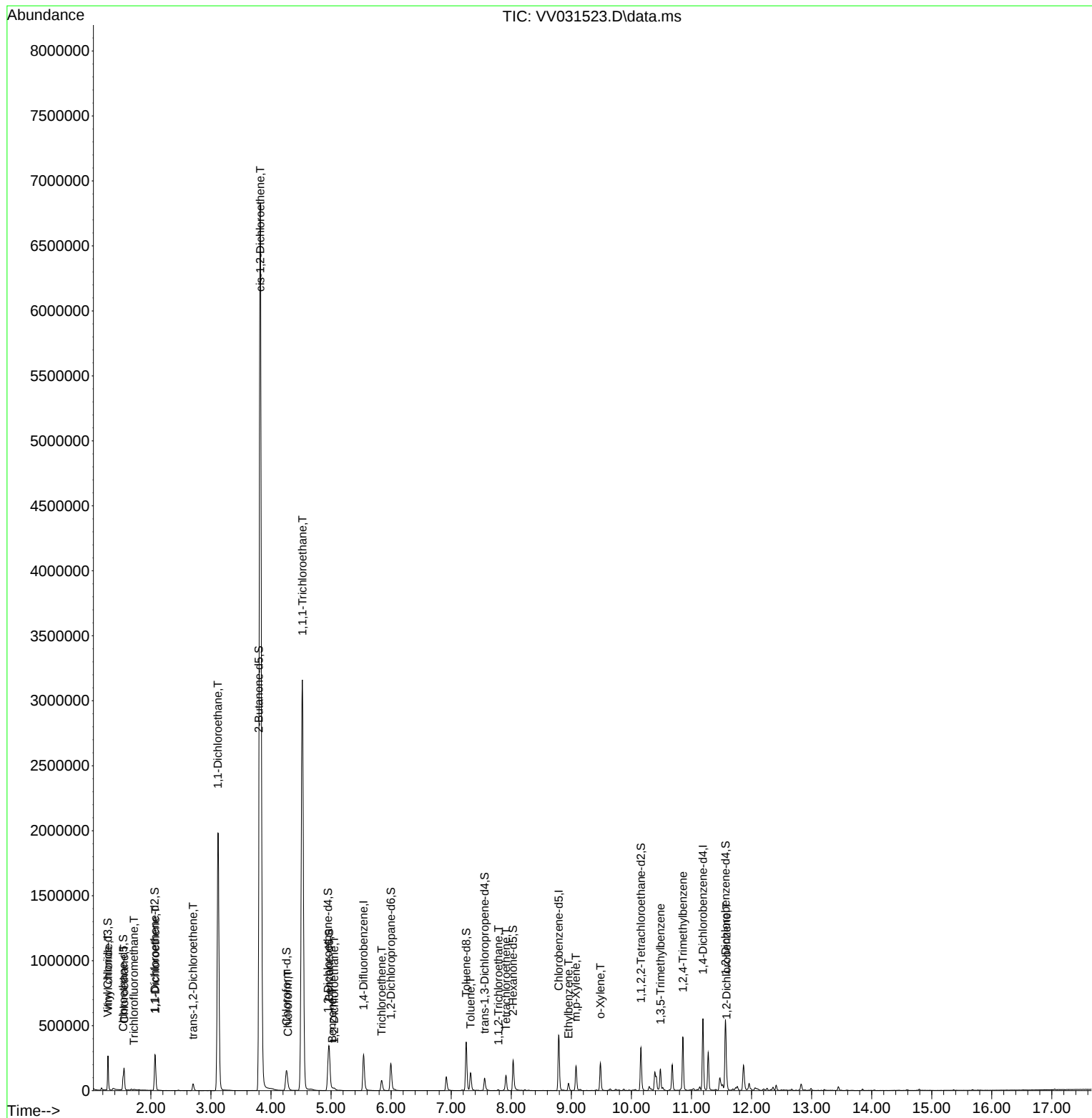
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.857	105	213868	33.209	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	4811	1.137	ug/L #	84

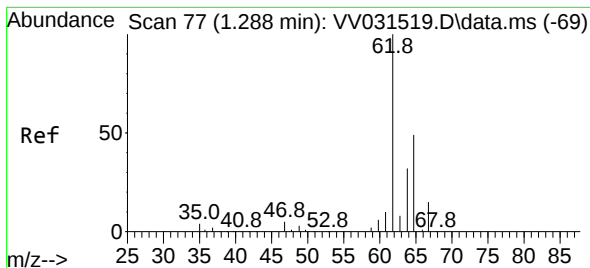
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#5

Vinyl chloride

Concen: 50.593 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV031523.D

Acq: 15 Jun 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

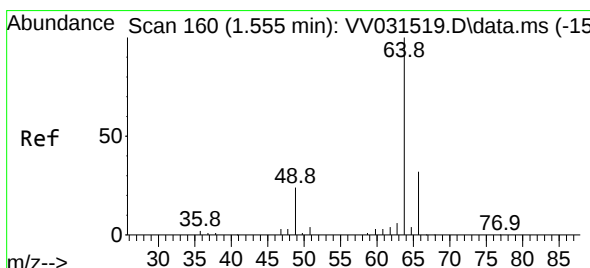
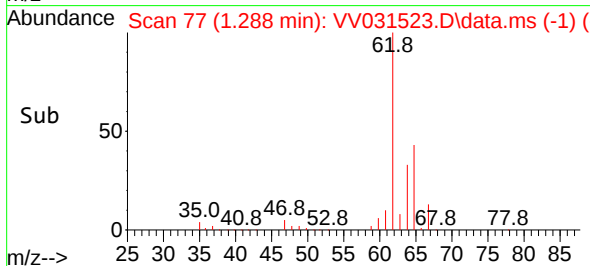
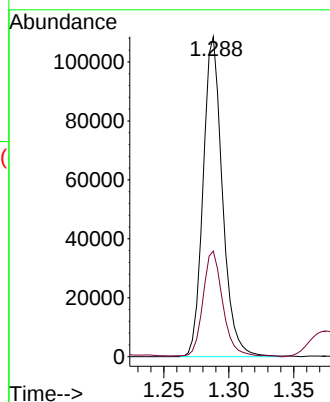
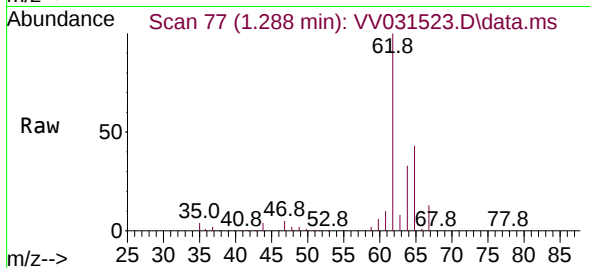
EXYZ2

Tgt Ion: 62 Resp: 112384

Ion Ratio Lower Upper

62 100

64 33.0 23.4 43.4



#8

Chloroethane

Concen: 64.355 ug/L

RT: 1.555 min Scan# 160

Delta R.T. 0.000 min

Lab File: VV031523.D

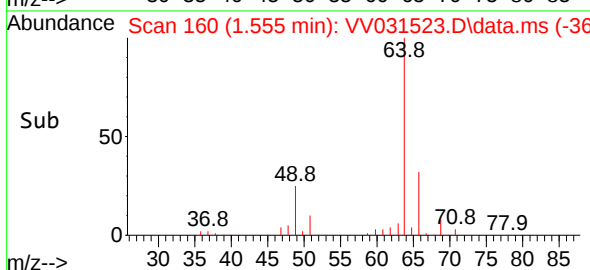
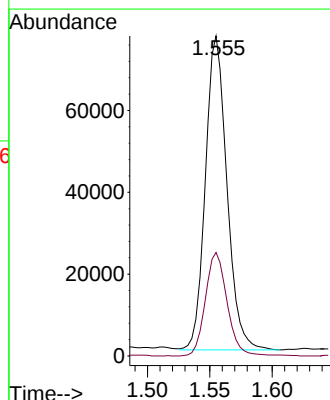
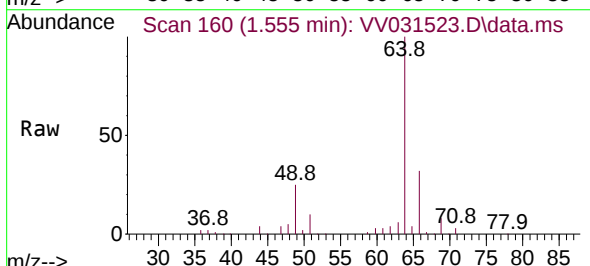
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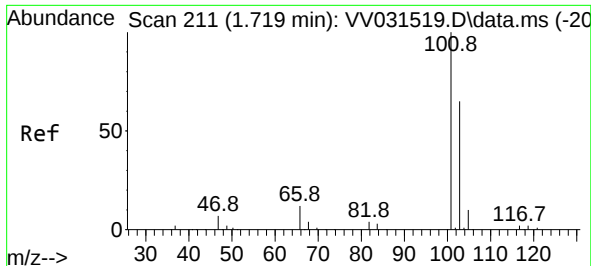
Tgt Ion: 64 Resp: 92331

Ion Ratio Lower Upper

64 100

66 32.4 21.0 39.0

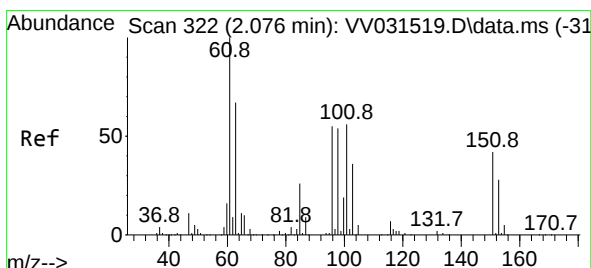
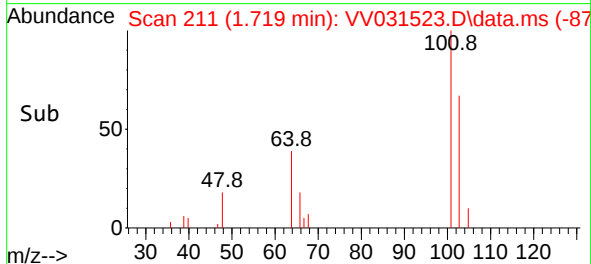
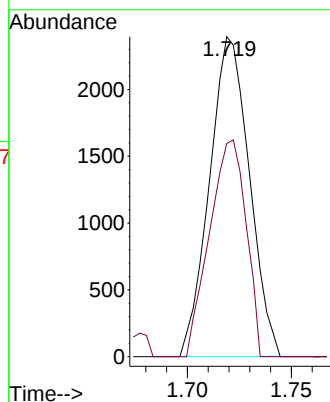
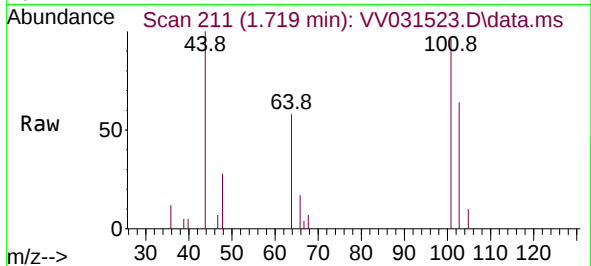




#9
Trichlorofluoromethane
Concen: 0.863 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

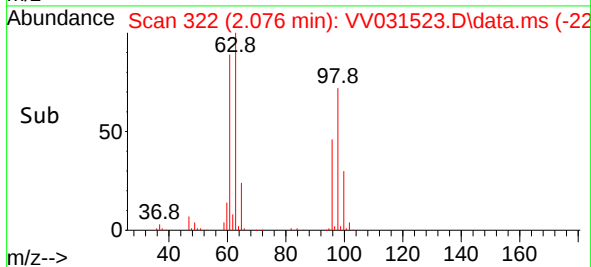
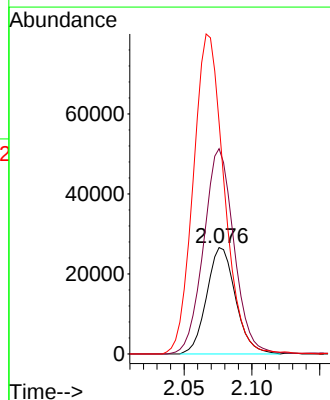
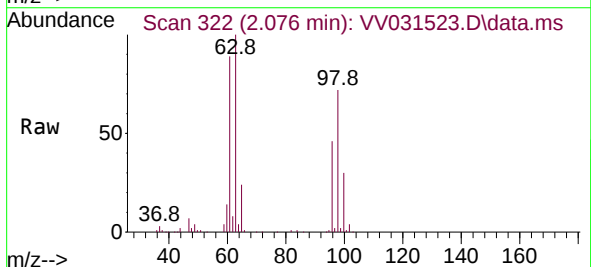
Instrument :
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EXYZ2

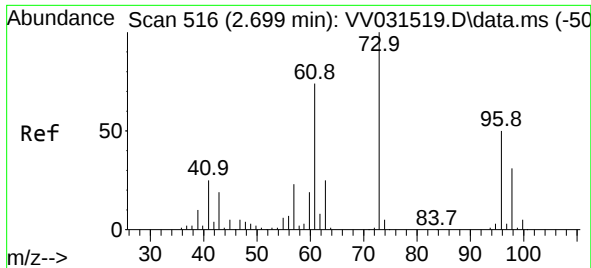
Tgt Ion:101 Resp: 3190
Ion Ratio Lower Upper
101 100
103 61.9 50.9 76.3



#12
1,1-Dichloroethene
Concen: 23.780 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion: 96 Resp: 39394
Ion Ratio Lower Upper
96 100
61 184.1 128.9 239.5
63 207.8 95.3 177.1#

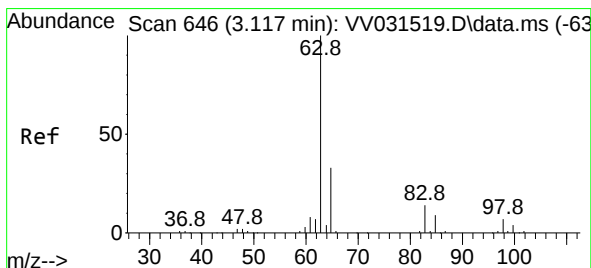
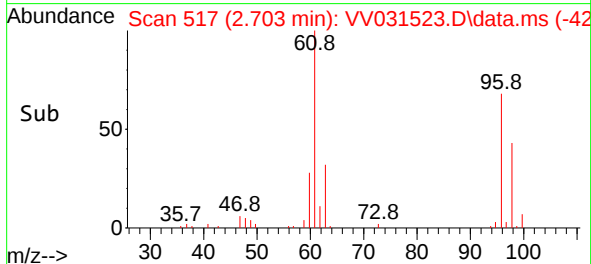
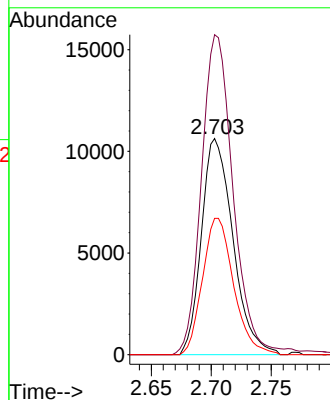
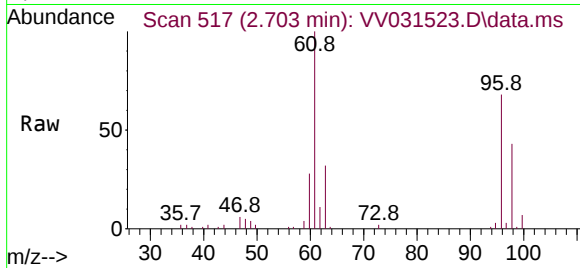




#17
trans-1,2-Dichloroethene
Concen: 11.267 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

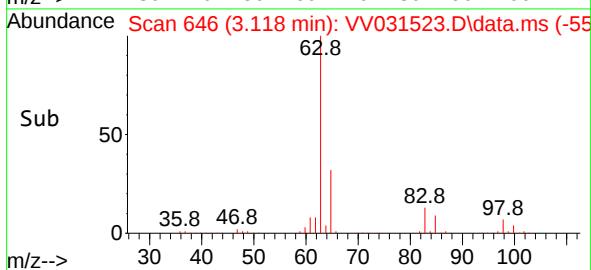
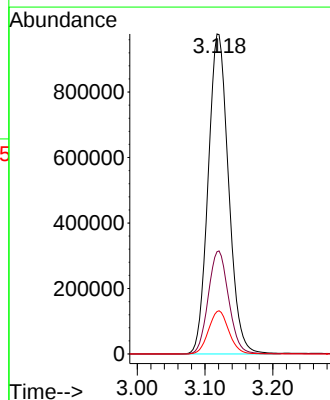
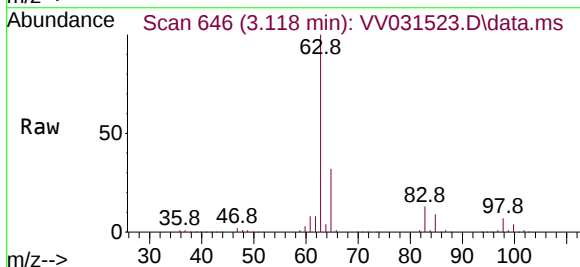
Instrument :
MSVOA_V
ClientSampleId :
EXYZ2

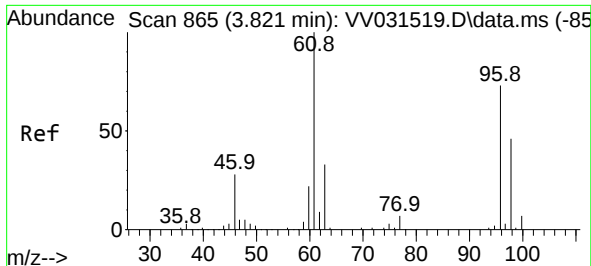
Tgt Ion: 96 Resp: 19483
Ion Ratio Lower Upper
96 100
61 141.4 102.5 190.3
98 61.8 44.1 81.9



#19
1,1-Dichloroethane
Concen: 547.285 ug/L
RT: 3.118 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion: 63 Resp: 2042503
Ion Ratio Lower Upper
63 100
65 32.0 22.5 41.7
83 13.3 10.0 18.6



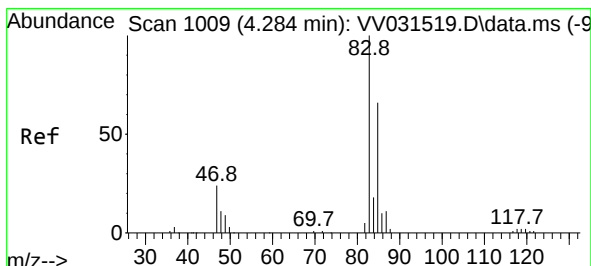
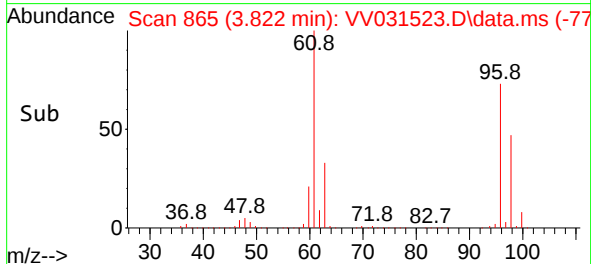
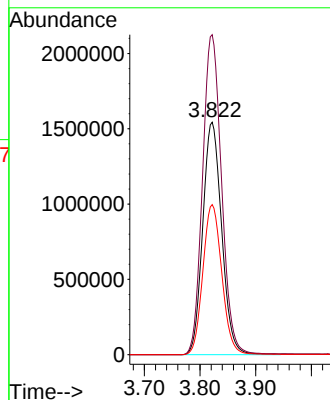
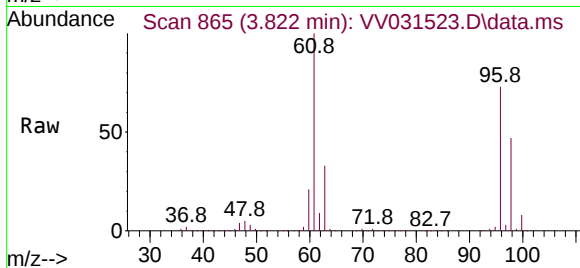


#20
 cis-1,2-Dichloroethene
 Concen: 1952.893 ug/L
 RT: 3.822 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV031523.D
 Acq: 15 Jun 2023 12:09

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ2

Tgt Ion: 96 Resp: 3649402

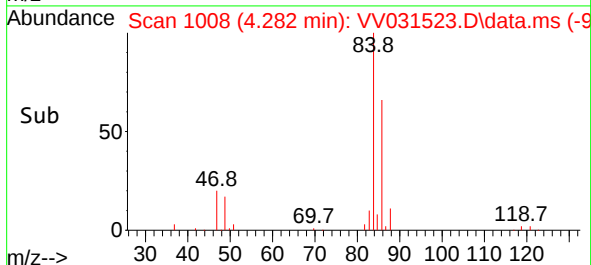
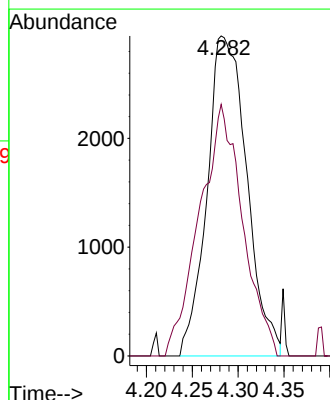
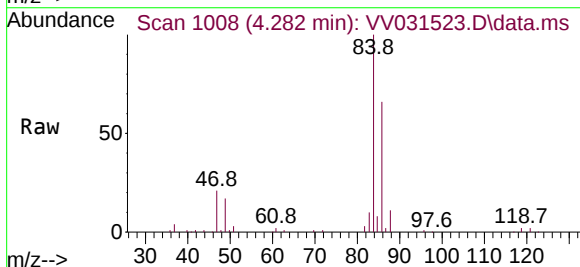
Ion	Ratio	Lower	Upper
96	100		
61	137.6	98.6	183.0
98	64.5	45.7	84.9

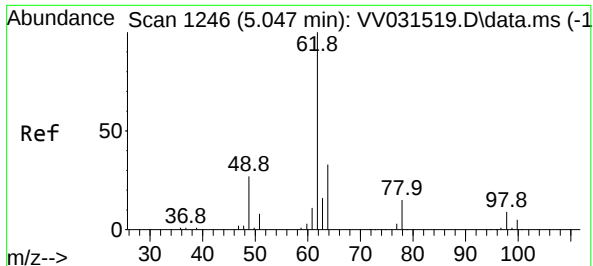


#25
 Chloroform
 Concen: 2.283 ug/L
 RT: 4.282 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VV031523.D
 Acq: 15 Jun 2023 12:09

Tgt Ion: 83 Resp: 8856

Ion	Ratio	Lower	Upper
83	100		
85	78.6	45.3	84.1

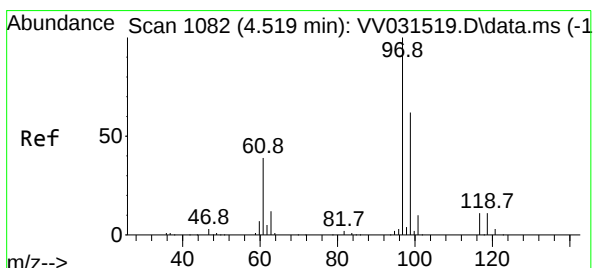
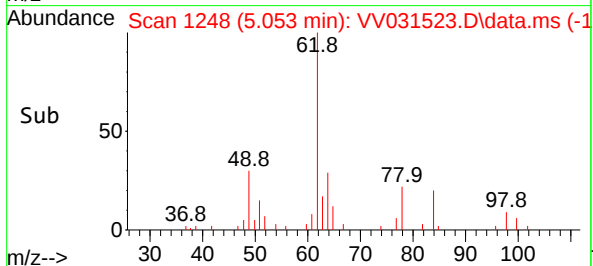
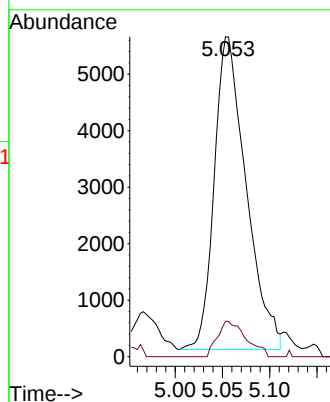
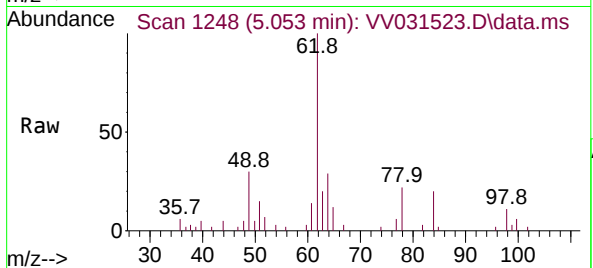




#27
1,2-Dichloroethane
Concen: 4.328 ug/L
RT: 5.053 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

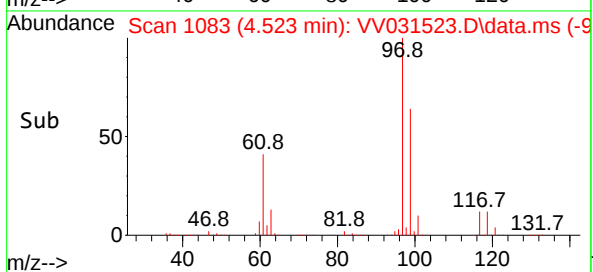
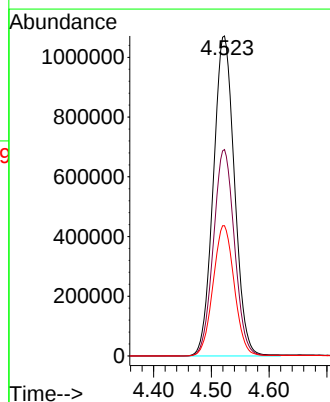
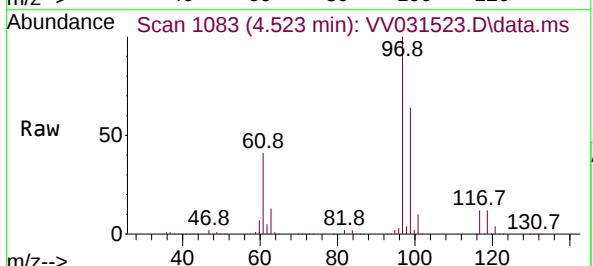
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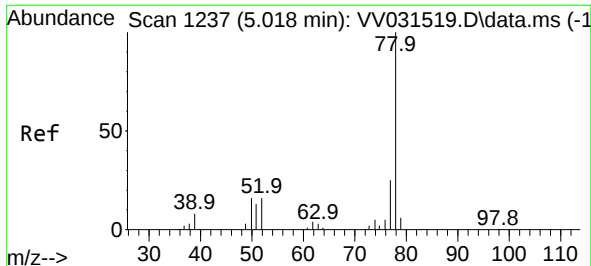
Tgt Ion: 62 Resp: 12958
Ion Ratio Lower Upper
62 100
98 11.1 6.6 9.8#



#30
1,1,1-Trichloroethane
Concen: 761.383 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion: 97 Resp: 2724301
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 40.8 33.0 49.6

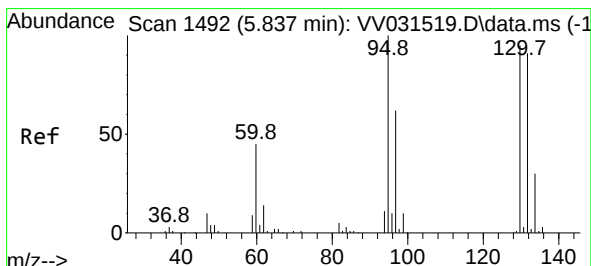
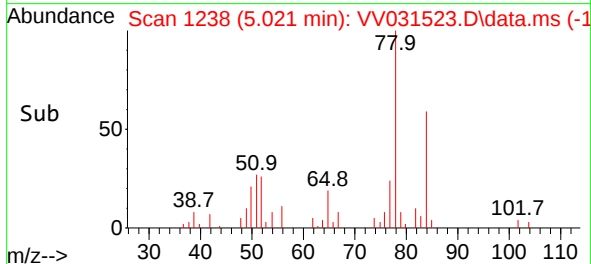
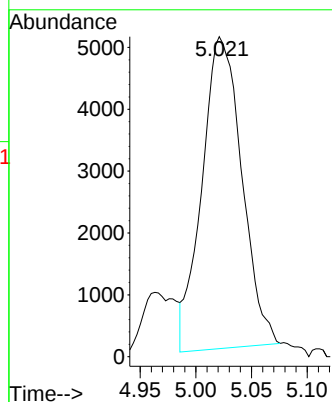
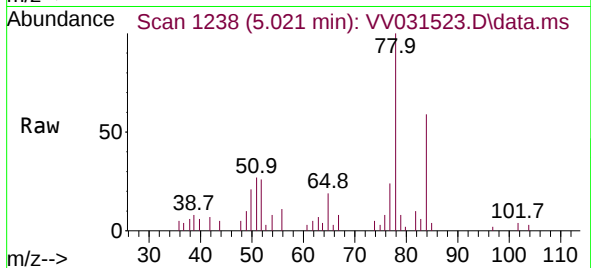




#33
Benzene
Concen: 1.688 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Instrument :
MSVOA_V
ClientSampleId :
EXYZ2

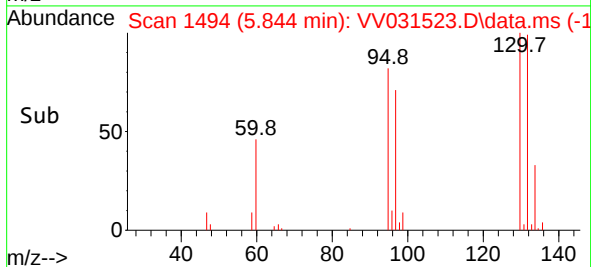
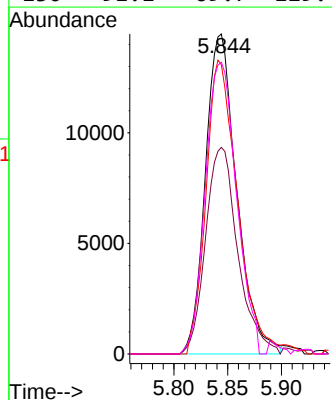
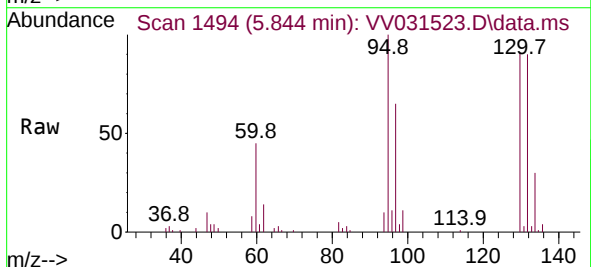
Tgt Ion: 78 Resp: 12545

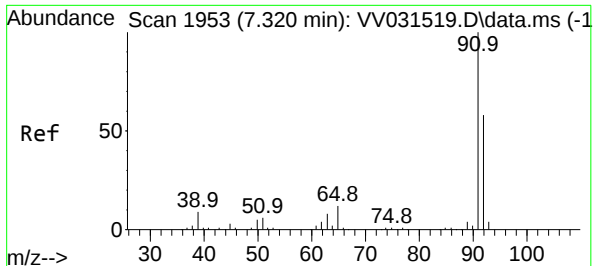


#34
Trichloroethene
Concen: 14.797 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion: 95 Resp: 29380

Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.8	86.8
132	90.4	66.4	123.2
130	91.1	69.7	129.4





#42

Toluene

Concen: 13.088 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV031523.D

Acq: 15 Jun 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

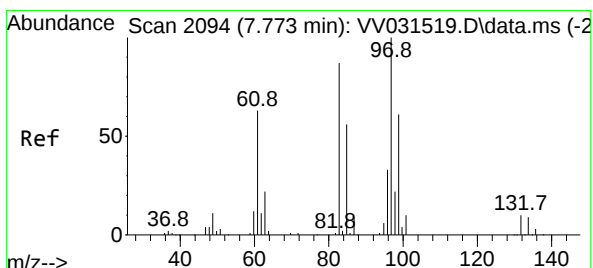
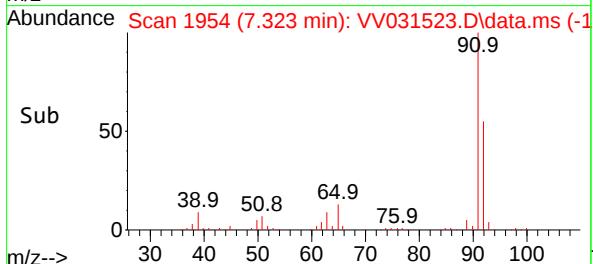
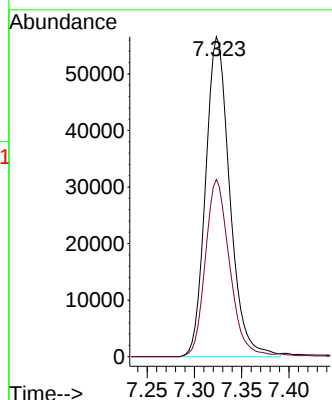
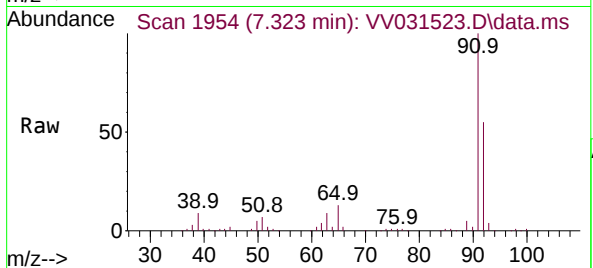
XYZZ

Tgt Ion: 91 Resp: 100827

Ion Ratio Lower Upper

91 100

92 55.4 39.6 73.6



#45

1,1,2-Trichloroethane

Concen: 1.017 ug/L

RT: 7.786 min Scan# 2098

Delta R.T. 0.013 min

Lab File: VV031523.D

Acq: 15 Jun 2023 12:09

Tgt Ion: 97 Resp: 2097

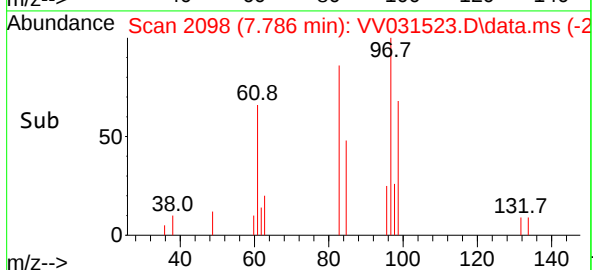
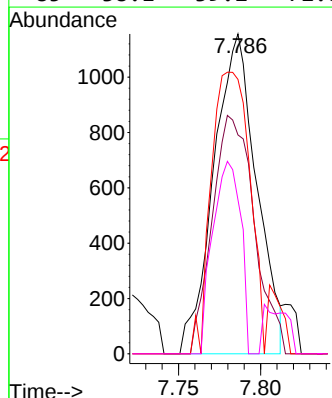
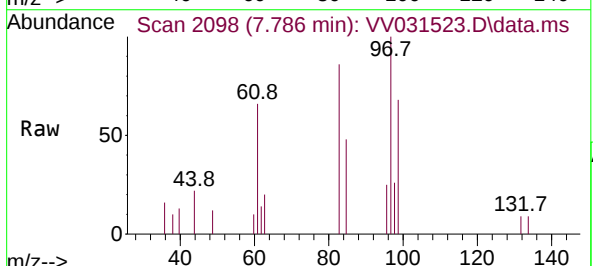
Ion Ratio Lower Upper

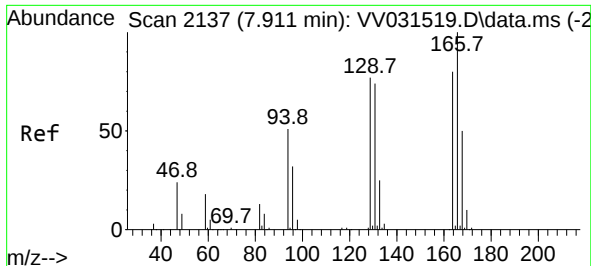
97 100

99 54.1 43.7 81.1

83 67.9 60.9 113.1

85 38.1 39.2 72.8#

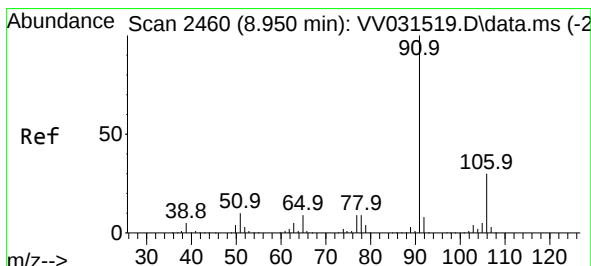
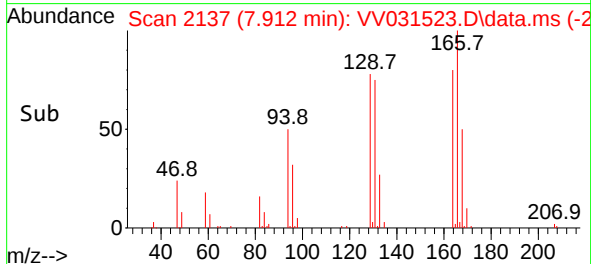
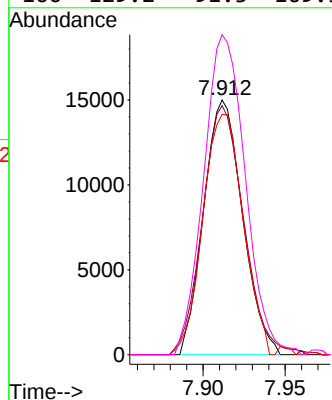
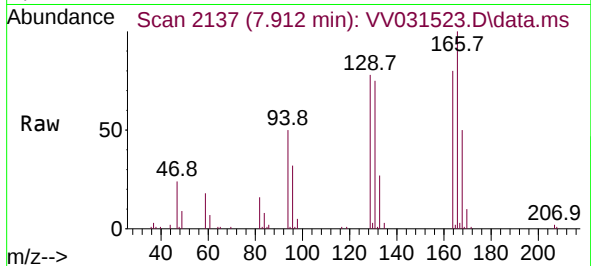




#46
Tetrachloroethene
Concen: 15.829 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

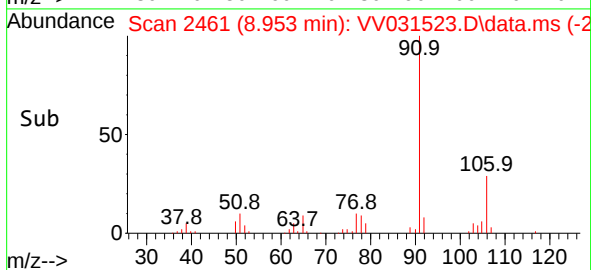
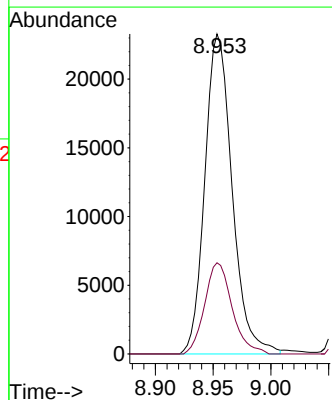
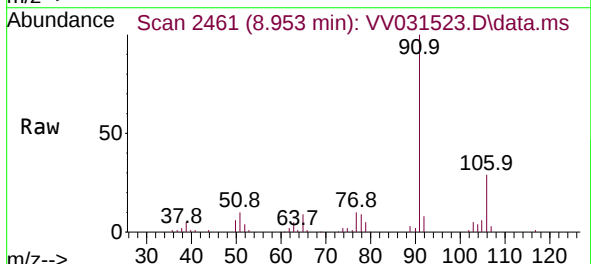
Instrument :
MSVOA_V
ClientSampleId :
XYZZ

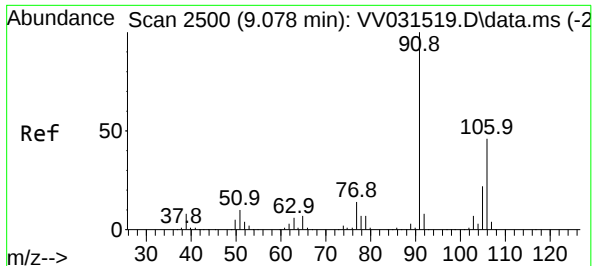
Tgt Ion:	164	Resp:	24667
Ion	Ratio	Lower	Upper
164	100		
129	101.1	68.4	127.0
131	94.4	67.6	125.6
166	129.2	91.3	169.5



#52
Ethylbenzene
Concen: 4.454 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion:	91	Resp:	38291
Ion	Ratio	Lower	Upper
91	100		
106	28.5	20.8	38.6

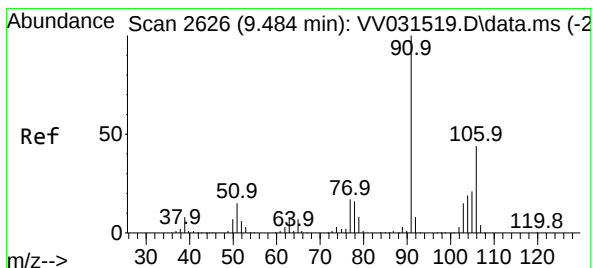
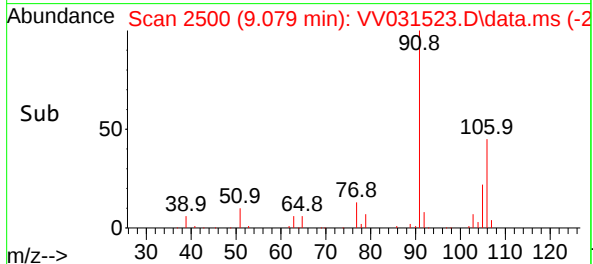
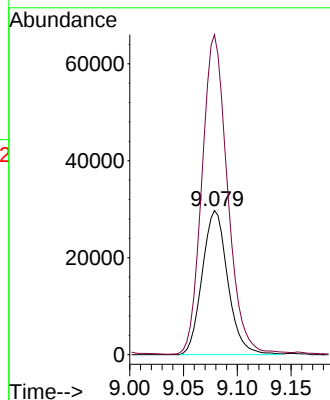
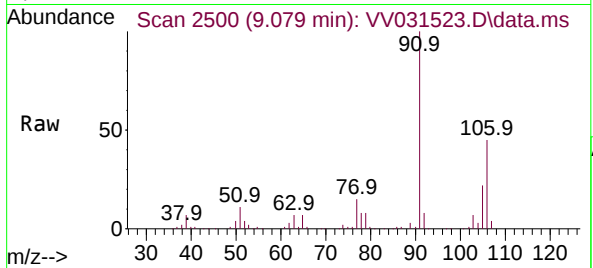




#53
m,p-Xylene
Concen: 15.627 ug/L
RT: 9.079 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

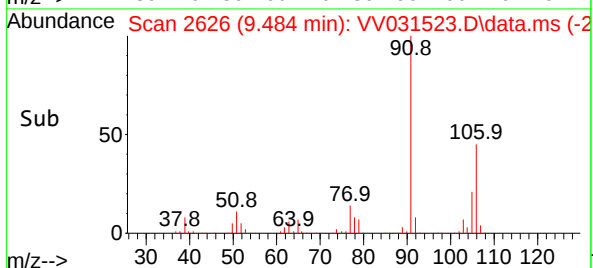
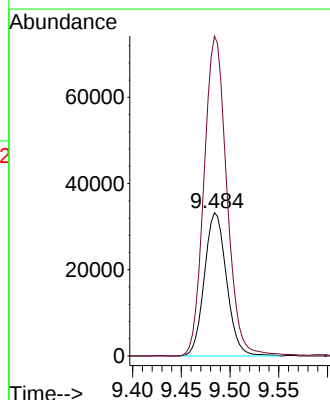
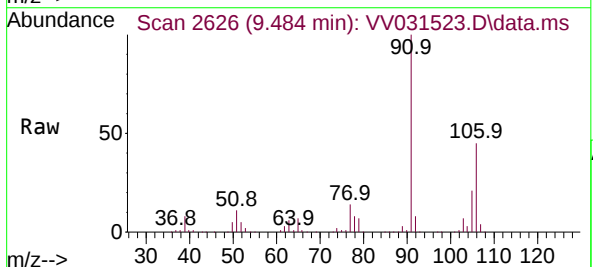
Instrument :
MSVOA_V
ClientSampleId :
EXYZ2

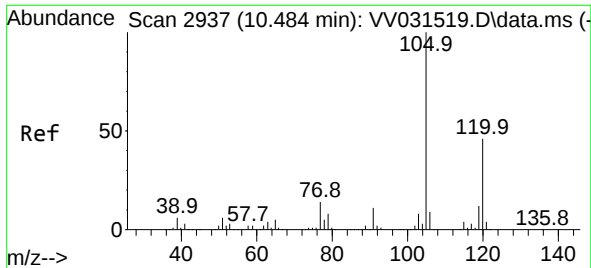
Tgt Ion:106 Resp: 49196
Ion Ratio Lower Upper
106 100
91 222.0 149.0 276.6



#54
o-Xylene
Concen: 17.642 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031523.D
Acq: 15 Jun 2023 12:09

Tgt Ion:106 Resp: 52704
Ion Ratio Lower Upper
106 100
91 223.6 161.3 299.7

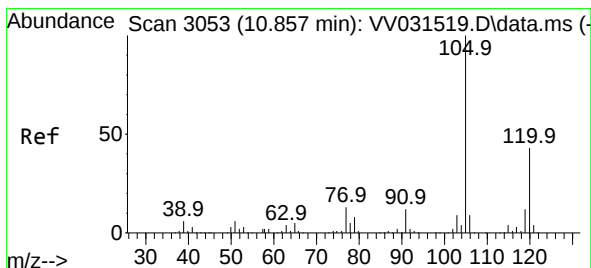
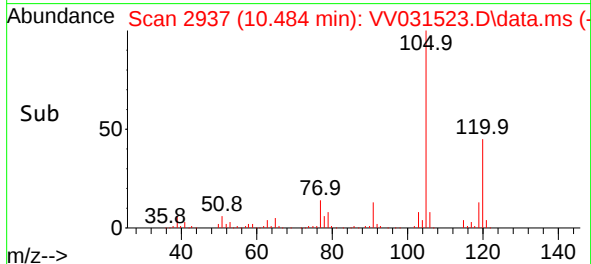
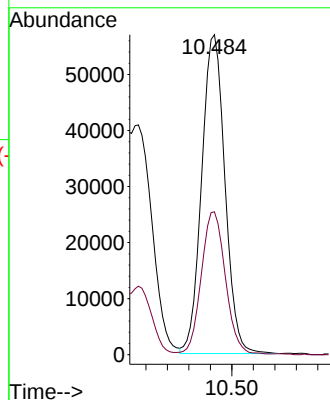
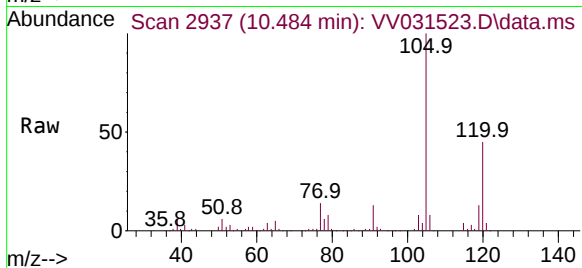




#62
 1,3,5-Trimethylbenzene
 Concen: 12.361 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031523.D
 Acq: 15 Jun 2023 12:09

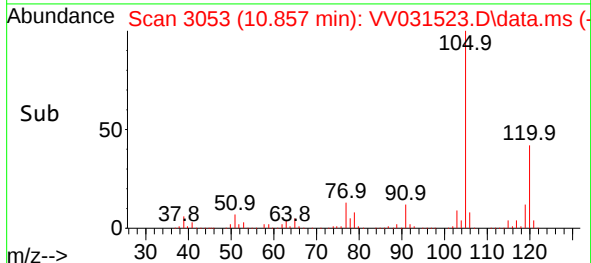
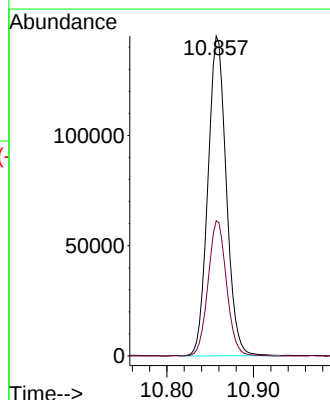
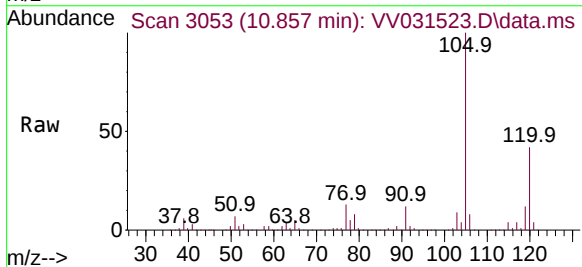
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYZ2

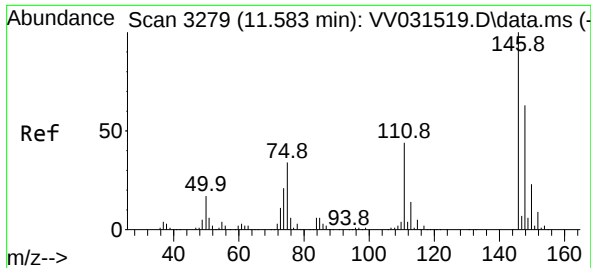
Tgt Ion:105 Resp: 85434
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.2 54.2



#63
 1,2,4-Trimethylbenzene
 Concen: 33.209 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. 0.000 min
 Lab File: VV031523.D
 Acq: 15 Jun 2023 12:09

Tgt Ion:105 Resp: 213868
 Ion Ratio Lower Upper
 105 100
 120 42.5 33.4 50.2





#67

1,2-Dichlorobenzene

Concen: 1.137 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031523.D

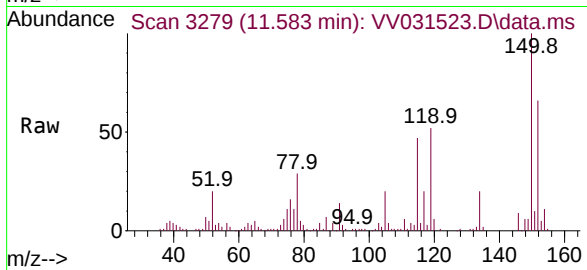
Acq: 15 Jun 2023 12:09

Instrument :

MSVOA_V

ClientSampleId :

XYZZ



Tgt Ion:146 Resp: 4811

Ion Ratio Lower Upper

146 100

111 67.7 35.9 53.9#

148 63.4 52.6 78.8

