

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011623\
 Data File : VW029882.D
 Acq On : 16 Jan 2023 17:35
 Operator : SY/MD
 Sample : 01168-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Z6

Quant Time: Jan 17 00:39:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 12 22:05:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	185800	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	182574	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	108006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	58995	4.186	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.800%
7) Chloroethane-d5	1.564	69	55948	4.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.111	63	133093	5.181	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.600%
20) 2-Butanone-d5	3.889	46	160415	64.222	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.440%
24) Chloroform-d	4.342	84	132377	5.121	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.400%
26) 1,2-Dichloroethane-d4	5.030	65	58137	5.310	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	5.047	84	270664	4.998	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
36) 1,2-Dichloropropane-d6	6.066	67	85116	5.370	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.400%
41) Toluene-d8	7.310	98	229875	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.616	79	27246	4.707	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.200%
46) 2-Hexanone-d5	8.085	63	140531	59.632	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.260%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	66071	5.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.800%
66) 1,2-Dichlorobenzene-d4	11.612	152	106543	5.426	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	1514	0.088	ug/L	99
5) Vinyl chloride	1.310	62	55641	3.118	ug/L	98
12) 1,1-Dichloroethene	2.117	96	102170	6.440	ug/L	91
14) Carbon disulfide	2.294	76	2940	0.064	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	5626	0.205	ug/L #	81
18) trans-1,2-Dichloroethene	2.760	96	1758	0.119	ug/L #	69
19) 1,1-Dichloroethane	3.185	63	487881	19.775	ug/L	98
22) cis-1,2-Dichloroethene	3.905	96	1506985	95.895	ug/L	97
25) Chloroform	4.371	83	7329	0.273	ug/L	98
27) 1,2-Dichloroethane	5.130	62	17320	1.329	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	485755	20.490	ug/L	98
33) Benzene	5.101	78	11730	0.194	ug/L	100
34) Trichloroethene	5.908	95	293568	19.190	ug/L	99
42) Toluene	7.381	91	612909	9.414	ug/L	100
52) Ethylbenzene	9.008	91	41514	0.609	ug/L	99
53) m,p-Xylene	9.130	106	42383	1.571	ug/L	98
54) o-Xylene	9.535	106	36298	1.418	ug/L	95
55) Styrene	9.558	104	8653	0.197	ug/L	86
60) Isopropylbenzene	9.921	105	12371	0.179	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jan 12 22:05:54 2023
Response via : Initial Calibration

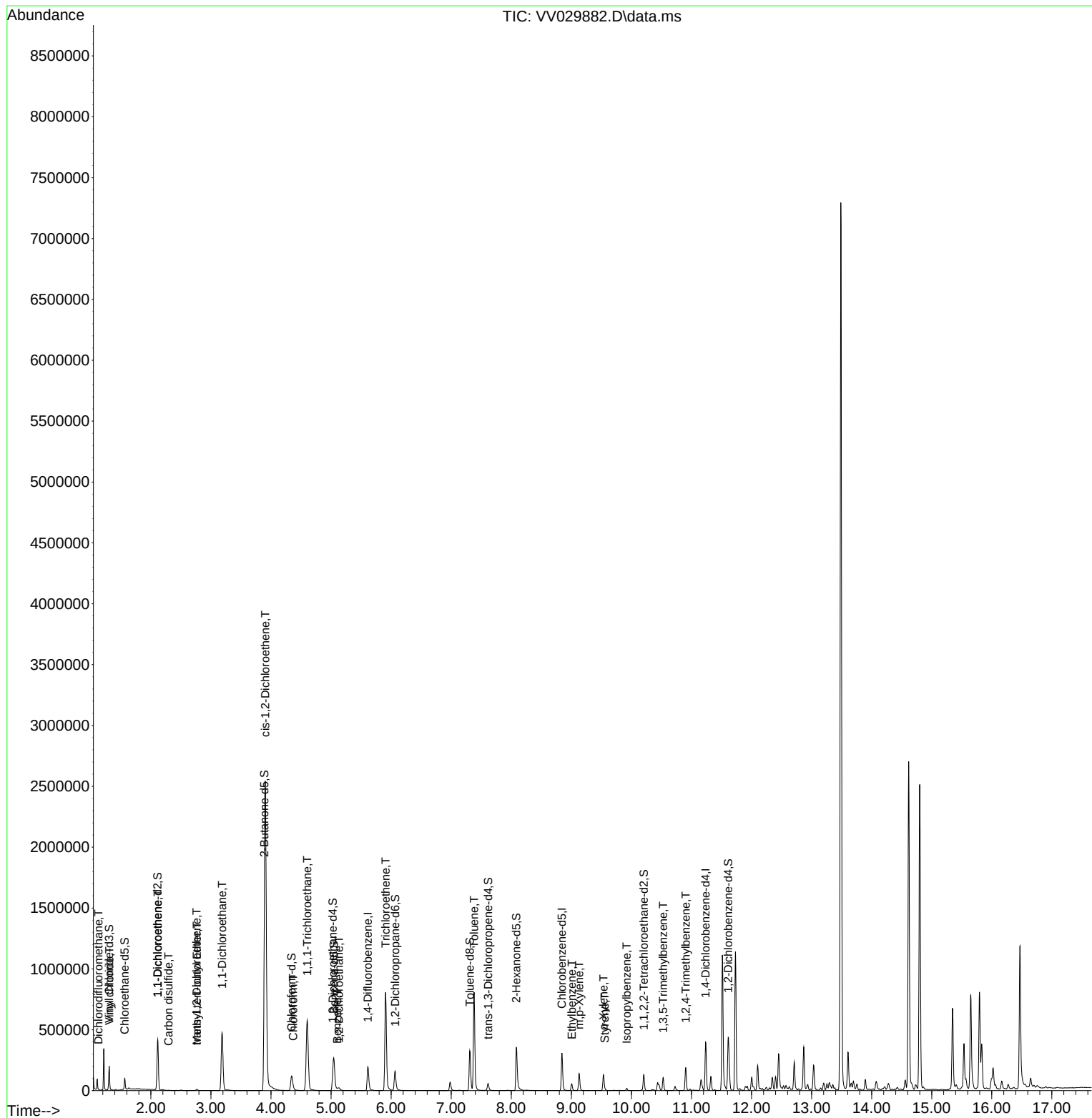
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.529	105	56822	0.960	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	103336	1.752	ug/L	100

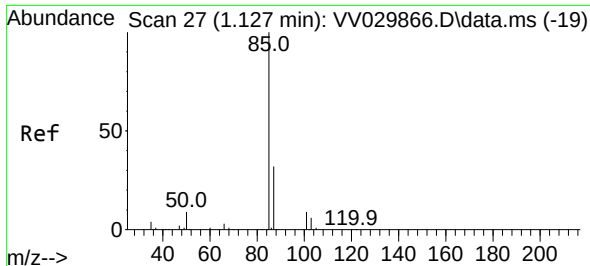
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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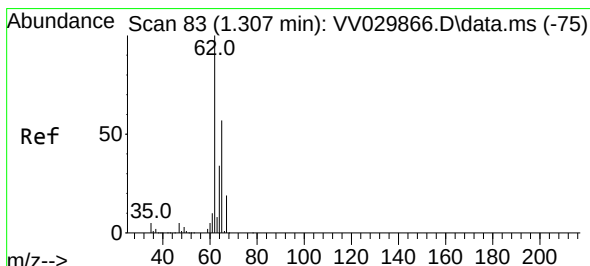
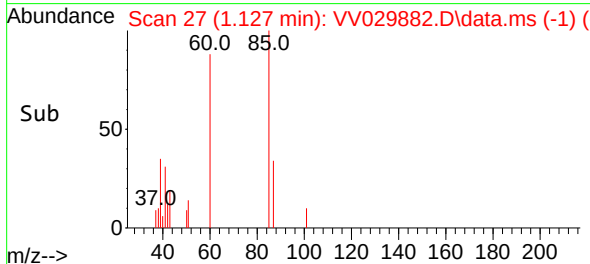
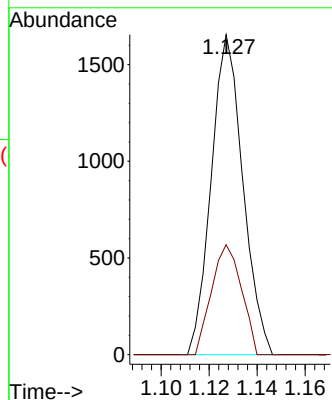
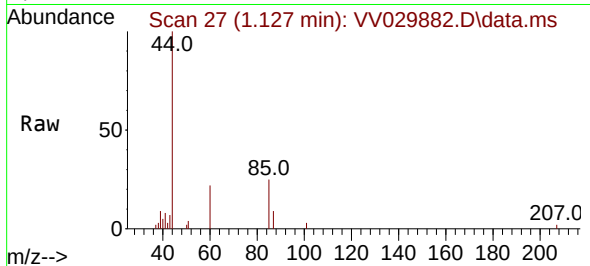




#2
 Dichlorodifluoromethane
 Concen: 0.088 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029882.D
 Acq: 16 Jan 2023 17:35

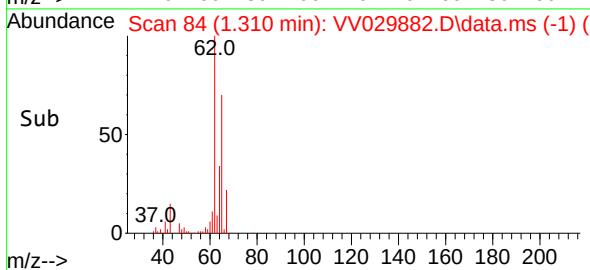
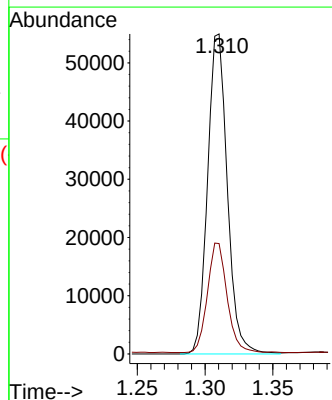
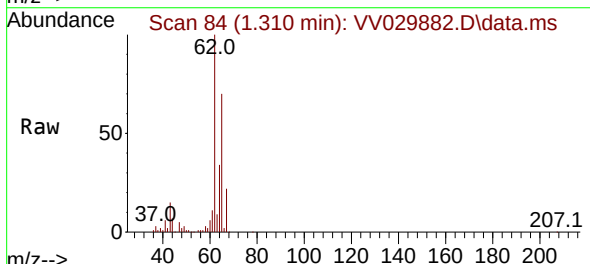
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1Z6

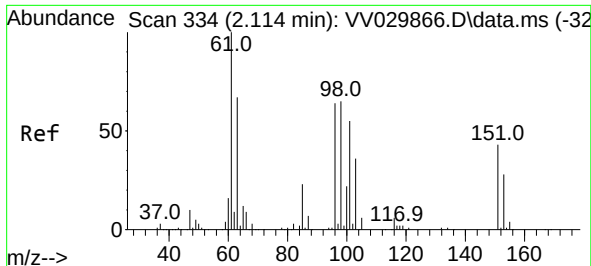
Tgt Ion: 85 Resp: 1514
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.5 39.7



#5
 Vinyl chloride
 Concen: 3.118 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VV029882.D
 Acq: 16 Jan 2023 17:35

Tgt Ion: 62 Resp: 55641
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.2 43.2





#12

1,1-Dichloroethene

Concen: 6.440 ug/L

RT: 2.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Instrument :

MSVOA_V

ClientSampleId :

BH1Z6

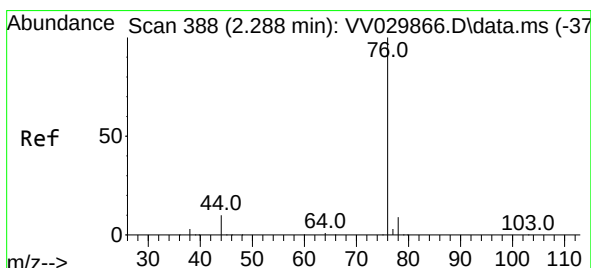
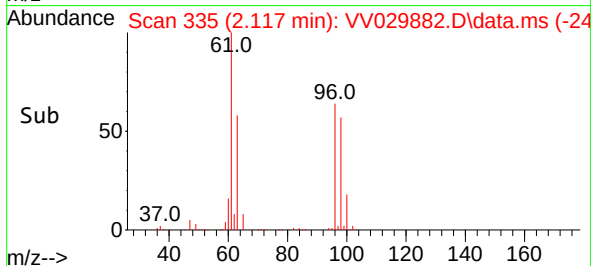
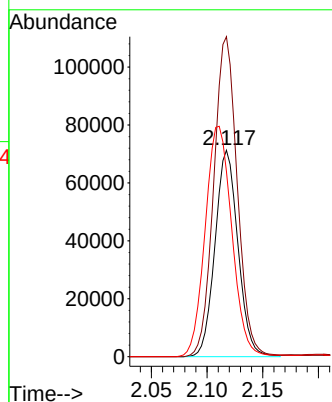
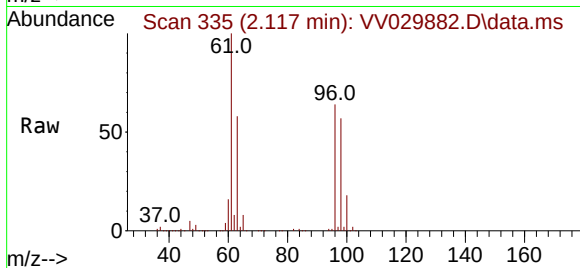
Tgt Ion: 96 Resp: 102170

Ion Ratio Lower Upper

96 100

61 155.1 106.1 197.1

63 89.8 76.4 141.8



#14

Carbon disulfide

Concen: 0.064 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.010 min

Lab File: VV029882.D

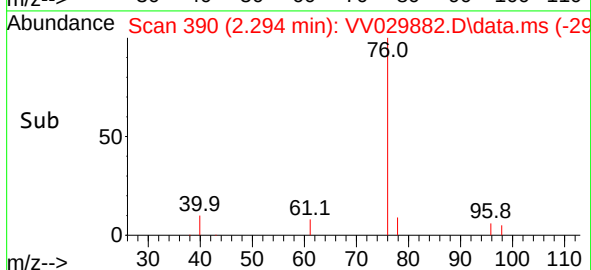
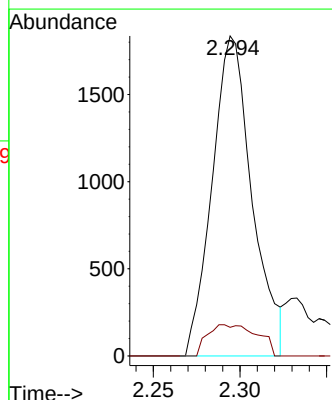
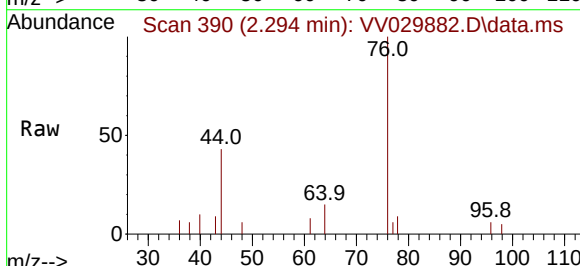
Acq: 16 Jan 2023 17:35

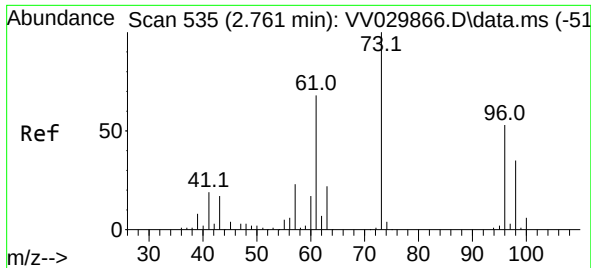
Tgt Ion: 76 Resp: 2940

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

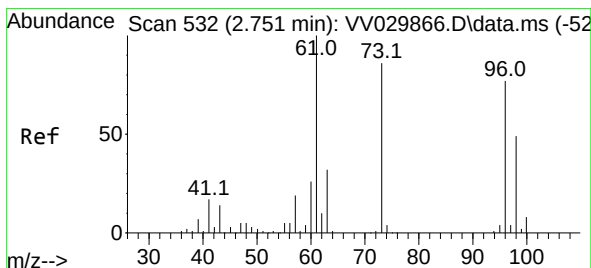
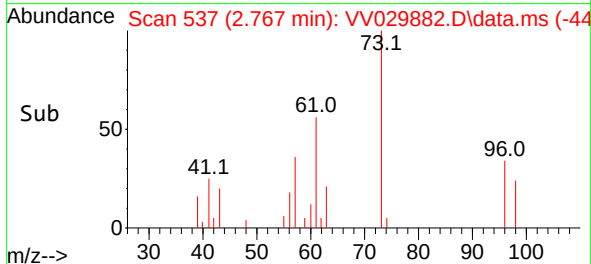
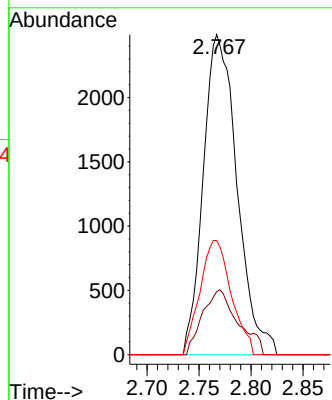
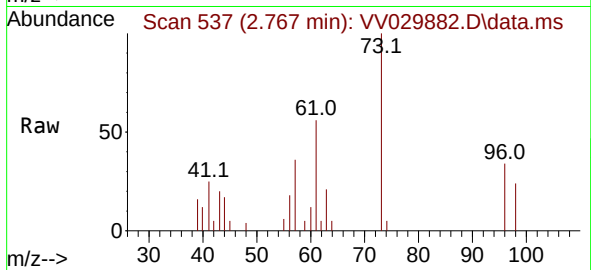




#17
Methyl tert-butyl Ether
Concen: 0.205 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

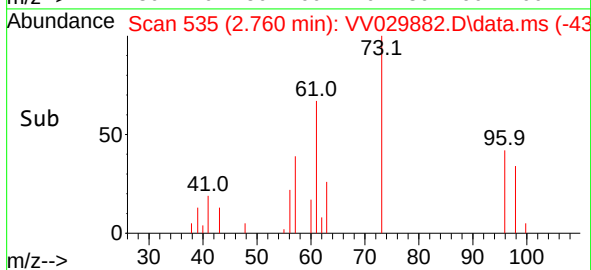
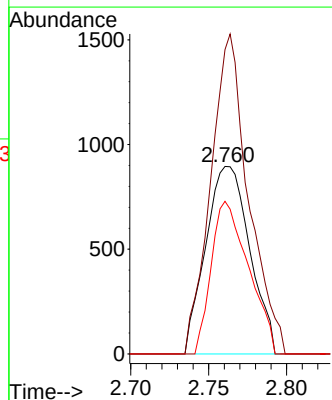
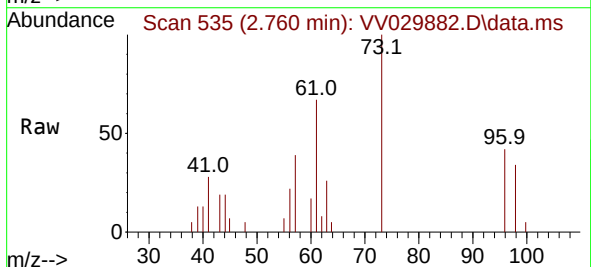
Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

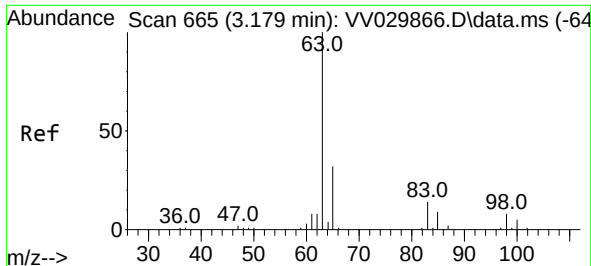
Tgt Ion: 73 Resp: 5626
Ion Ratio Lower Upper
73 100
43 21.3 13.0 19.4#
57 33.0 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.119 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.010 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

Tgt Ion: 96 Resp: 1758
Ion Ratio Lower Upper
96 100
61 162.3 86.1 159.9#
98 81.5 43.9 81.5





#19

1,1-Dichloroethane

Concen: 19.775 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Instrument :

MSVOA_V

ClientSampleId :

BH1Z6

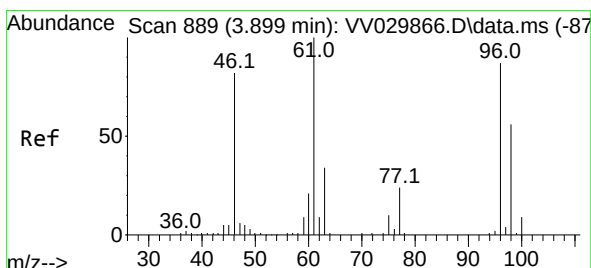
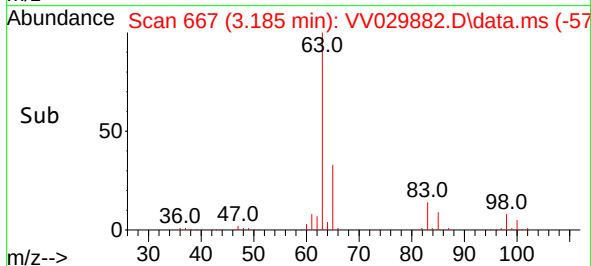
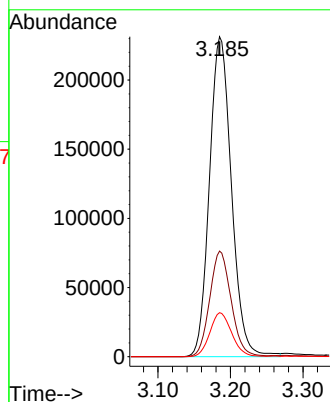
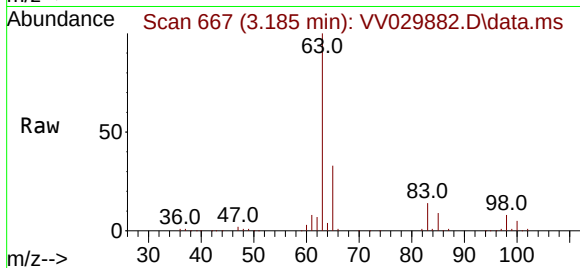
Tgt Ion: 63 Resp: 487881

Ion Ratio Lower Upper

63 100

65 33.0 22.4 41.6

83 13.7 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 95.895 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

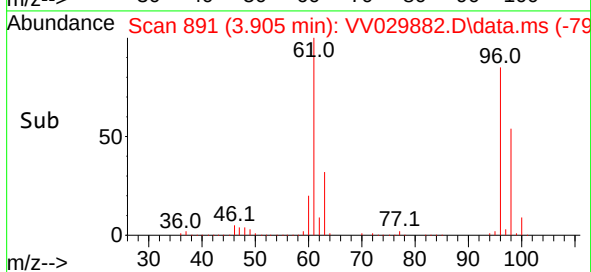
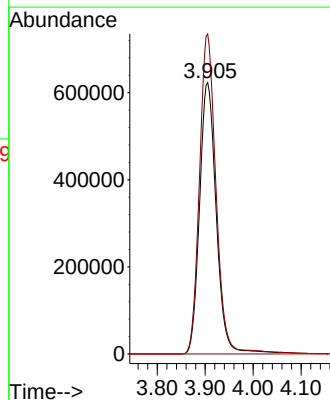
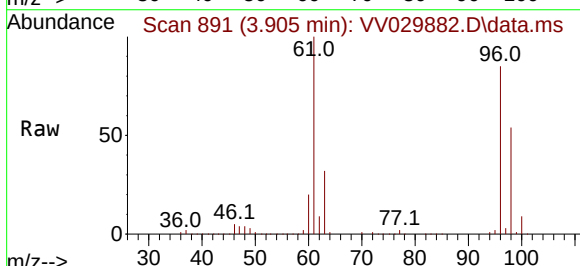
Tgt Ion: 96 Resp: 1506985

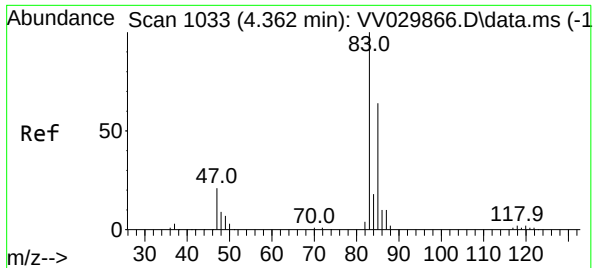
Ion Ratio Lower Upper

96 100

61 117.9 80.0 148.6

68 0.0 0.0 0.0

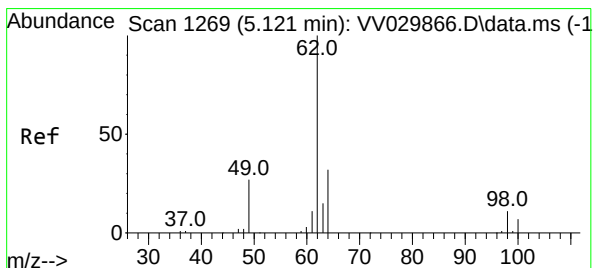
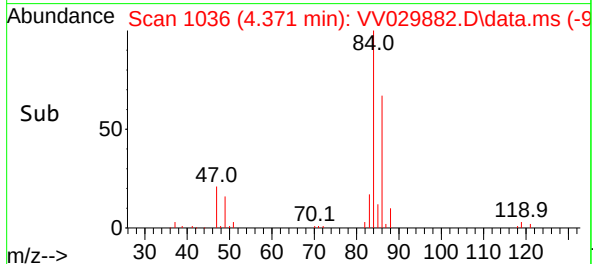
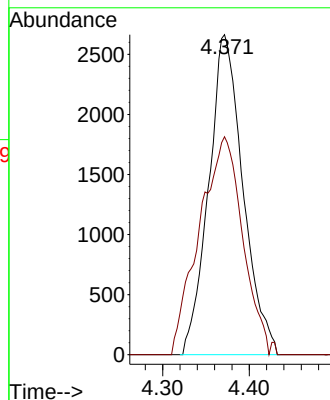
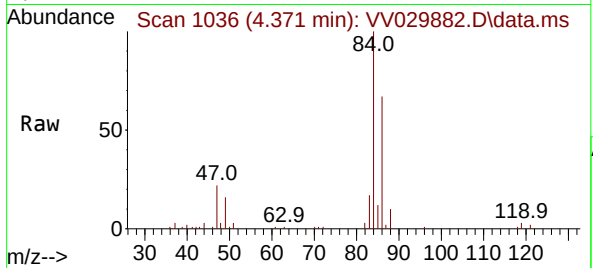




#25
Chloroform
Concen: 0.273 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.010 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

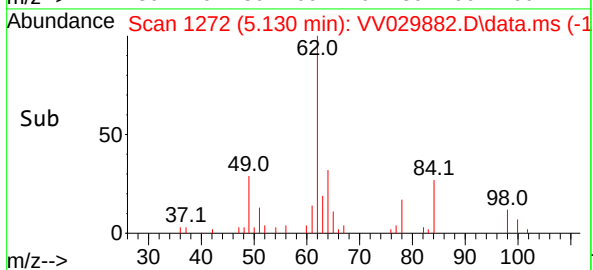
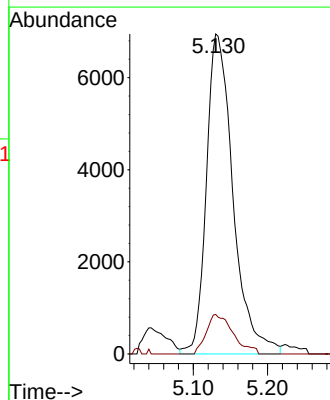
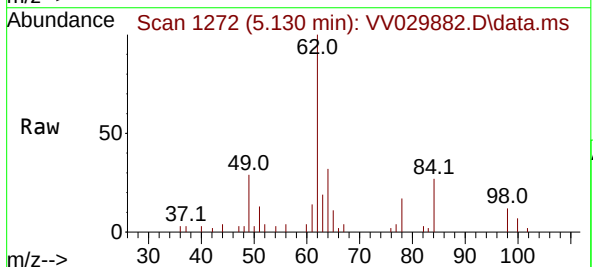
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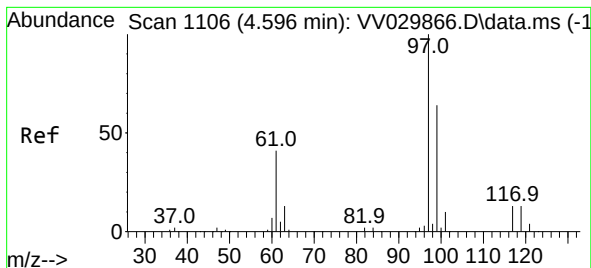
Tgt Ion: 83 Resp: 7329
Ion Ratio Lower Upper
83 100
85 68.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 1.329 ug/L
RT: 5.130 min Scan# 1272
Delta R.T. 0.010 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

Tgt Ion: 62 Resp: 17320
Ion Ratio Lower Upper
62 100
98 12.3 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 20.490 ug/L

RT: 4.603 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Instrument :

MSVOA_V

ClientSampleId :

BH1Z6

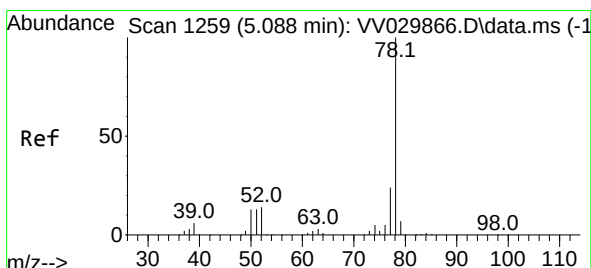
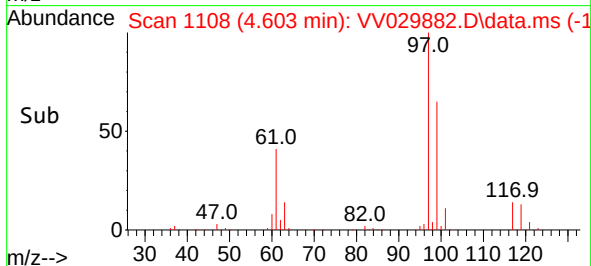
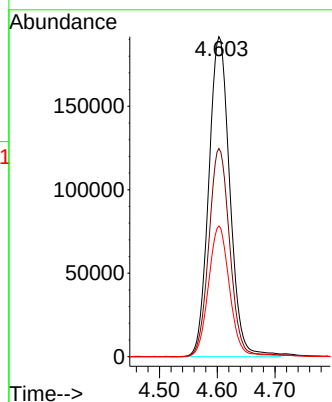
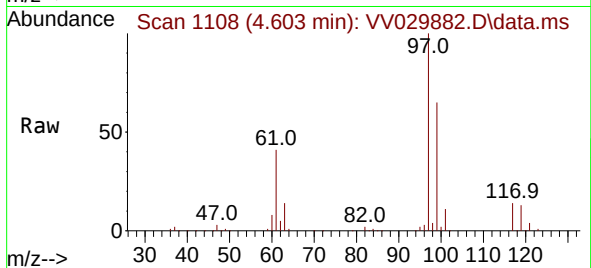
Tgt Ion: 97 Resp: 485755

Ion Ratio Lower Upper

97 100

99 65.3 51.3 76.9

61 40.6 31.6 47.4



#33

Benzene

Concen: 0.194 ug/L

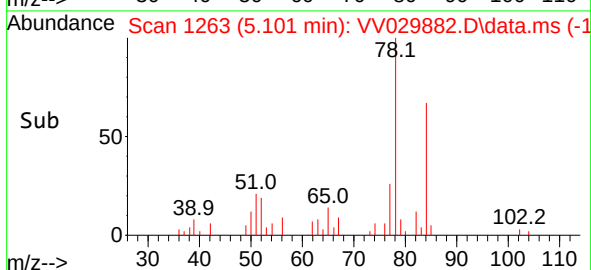
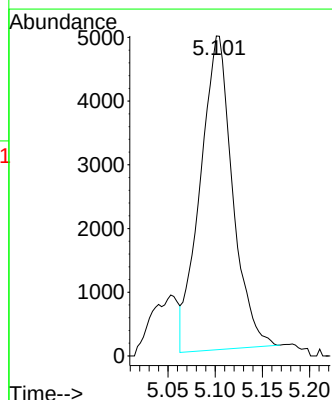
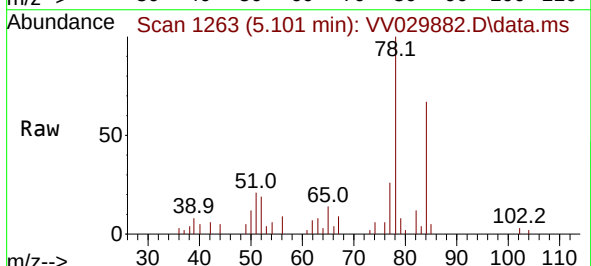
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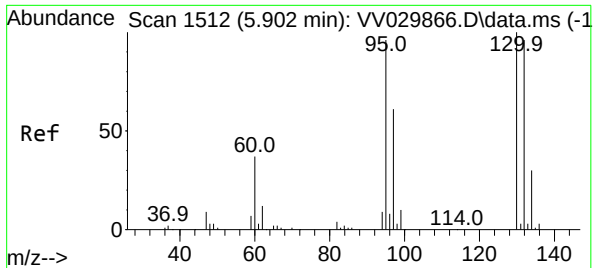
Delta R.T. 0.013 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Tgt Ion: 78 Resp: 11730





#34

Trichloroethene

Concen: 19.190 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Instrument :

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ClientSampleId :

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Tgt Ion: 95 Resp: 293568

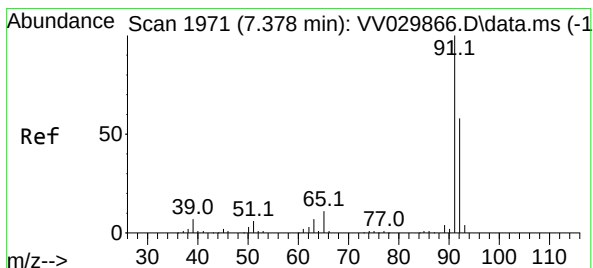
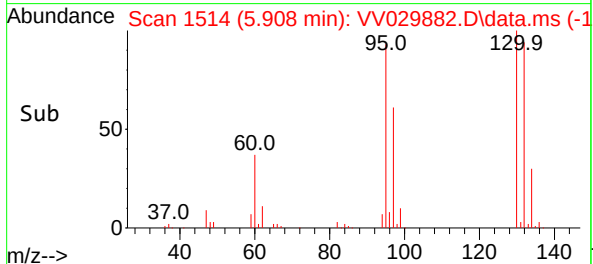
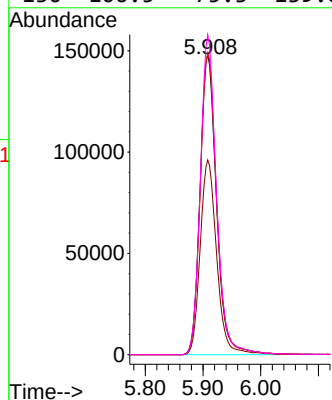
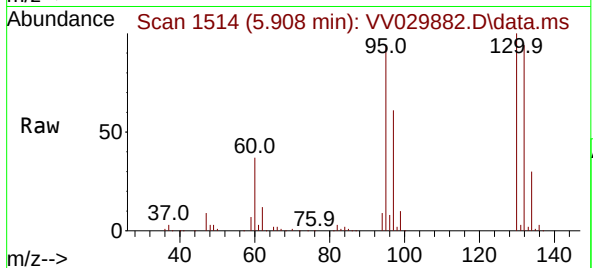
Ion Ratio Lower Upper

95 100

97 64.8 44.9 83.3

132 100.3 71.8 133.4

130 106.5 75.3 139.8



#42

Toluene

Concen: 9.414 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029882.D

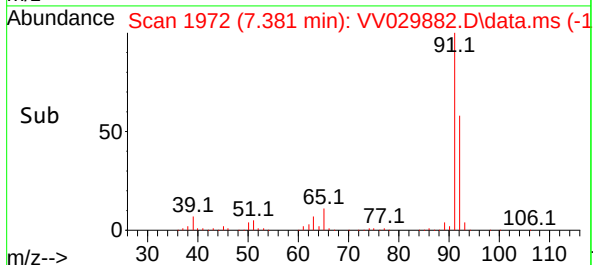
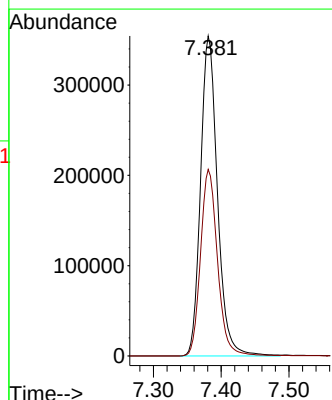
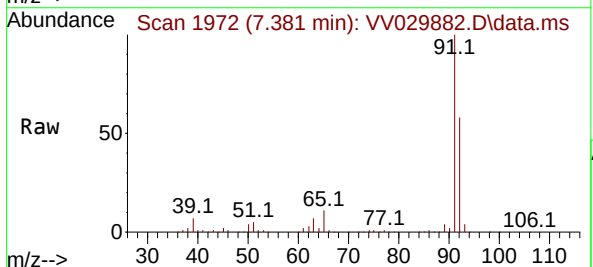
Acq: 16 Jan 2023 17:35

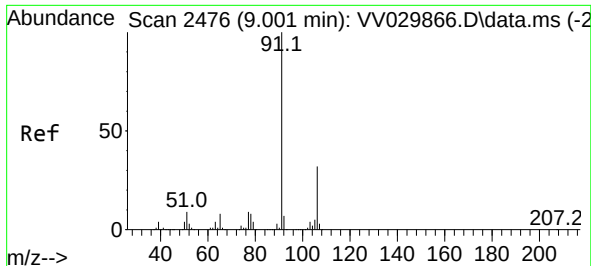
Tgt Ion: 91 Resp: 612909

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4





#52

Ethylbenzene

Concen: 0.609 ug/L

RT: 9.008 min Scan# 24

Delta R.T. 0.006 min

Lab File: VV029882.D

Acq: 16 Jan 2023 17:35

Instrument :

MSVOA_V

ClientSampleId :

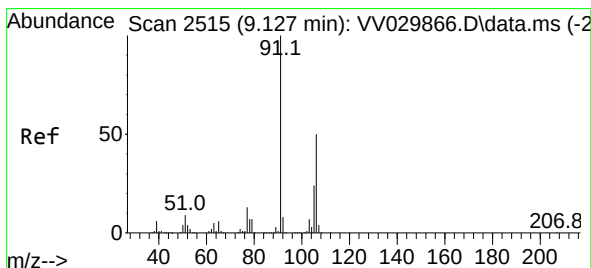
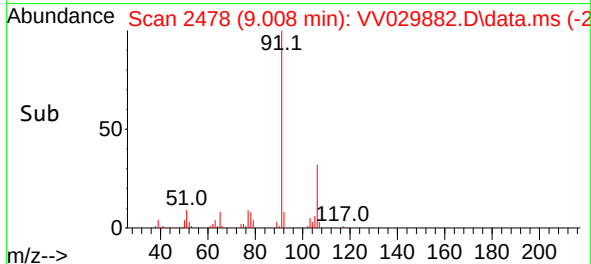
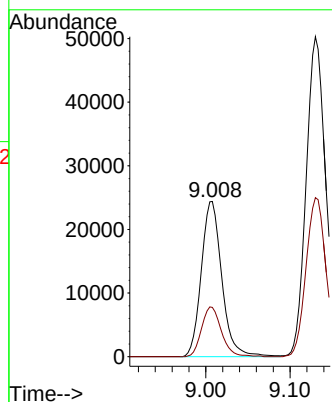
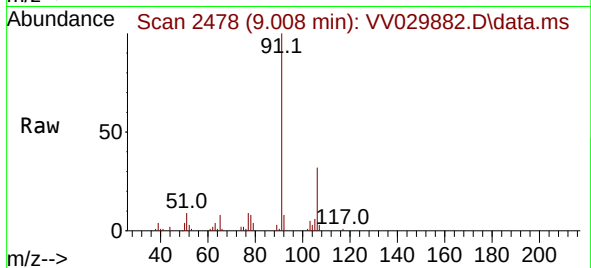
BH1Z6

Tgt Ion: 91 Resp: 41514

Ion Ratio Lower Upper

91 100

106 31.8 21.9 40.7



#53

m,p-Xylene

Concen: 1.571 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. -0.000 min

Lab File: VV029882.D

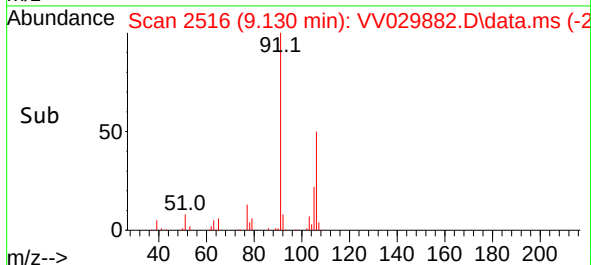
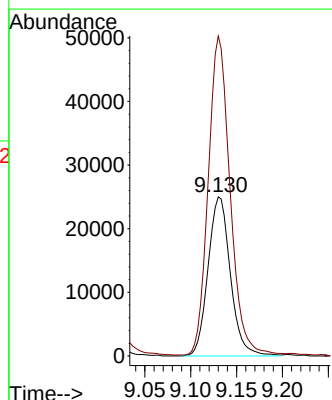
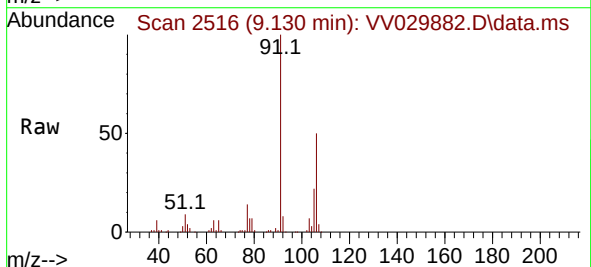
Acq: 16 Jan 2023 17:35

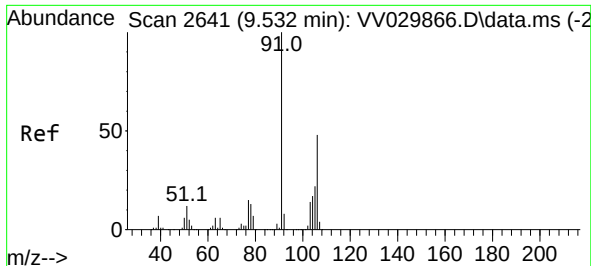
Tgt Ion:106 Resp: 42383

Ion Ratio Lower Upper

106 100

91 201.2 138.7 257.7

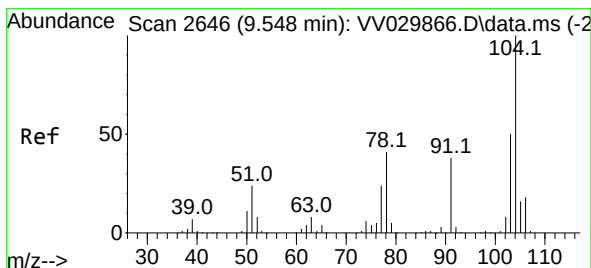
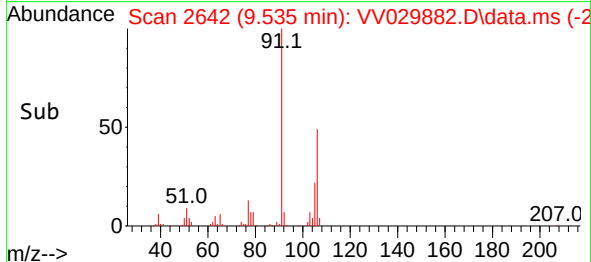
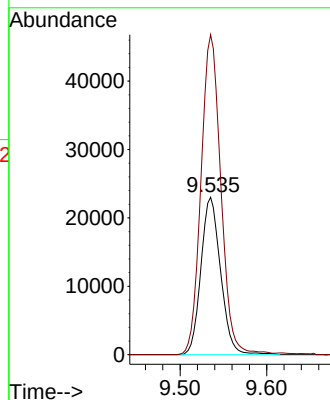
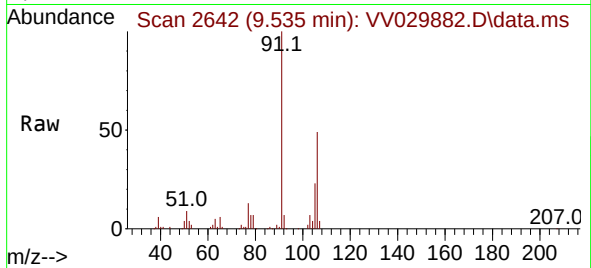




#54
o-Xylene
Concen: 1.418 ug/L
RT: 9.535 min Scan# 2641
Delta R.T. 0.003 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

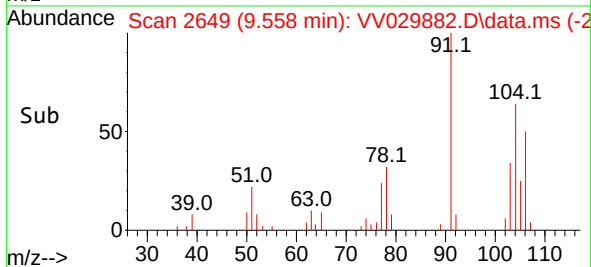
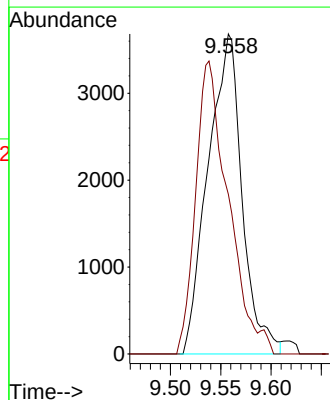
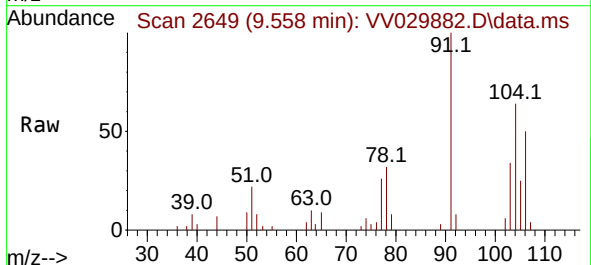
Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

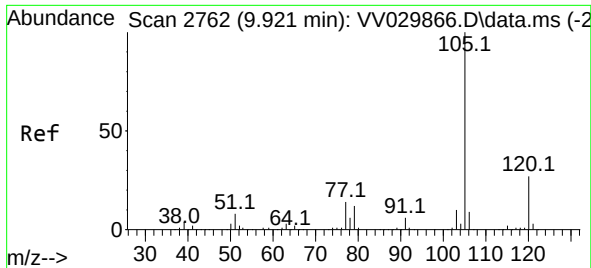
Tgt Ion:106 Resp: 36298
Ion Ratio Lower Upper
106 100
91 203.3 147.7 274.3



#55
Styrene
Concen: 0.197 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.006 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

Tgt Ion:104 Resp: 8653
Ion Ratio Lower Upper
104 100
78 49.9 28.6 53.2

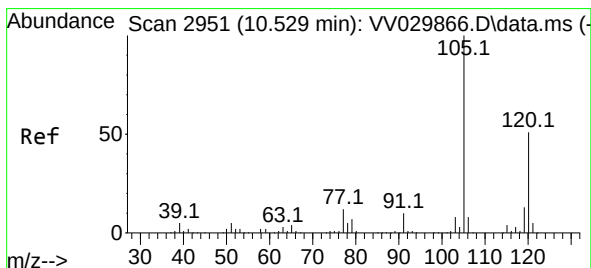
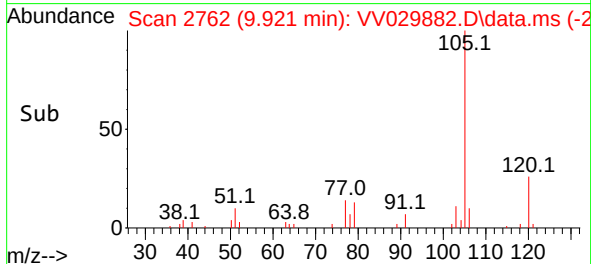
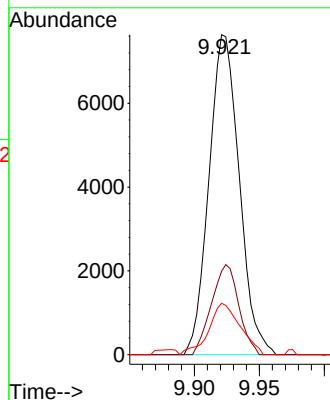
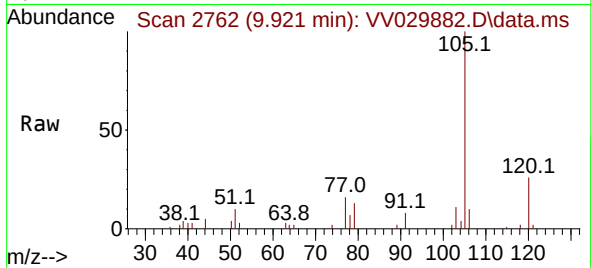




#60
Isopropylbenzene
Concen: 0.179 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

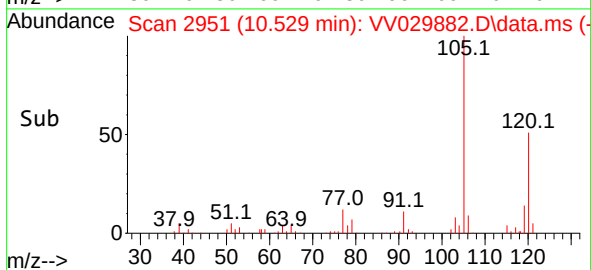
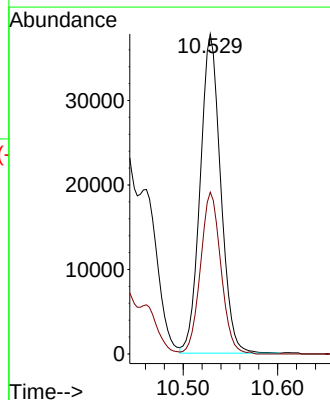
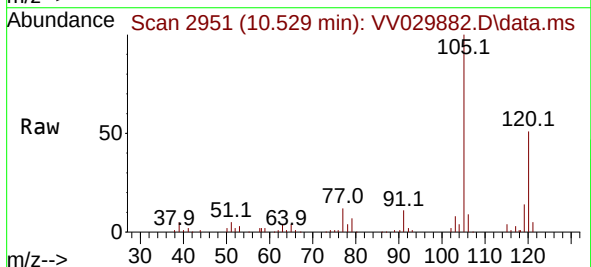
Instrument :
MSVOA_V
ClientSampleId :
BH1Z6

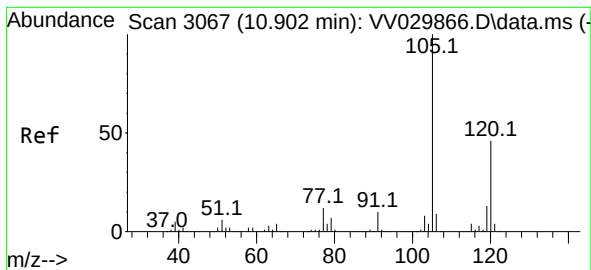
Tgt Ion:105 Resp: 12371
Ion Ratio Lower Upper
105 100
120 25.3 21.2 31.8
77 16.6 11.8 17.8



#62
1,3,5-Trimethylbenzene
Concen: 0.960 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VV029882.D
Acq: 16 Jan 2023 17:35

Tgt Ion:105 Resp: 56822
Ion Ratio Lower Upper
105 100
120 50.6 40.1 60.1





#63

1,2,4-Trimethylbenzene

Concen: 1.752 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029882.D

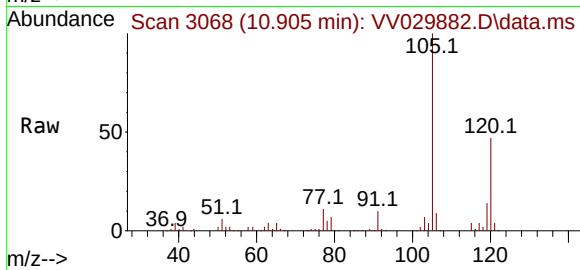
Acq: 16 Jan 2023 17:35

Instrument :

MSVOA_V

ClientSampleId :

BH1Z6



Tgt Ion:105 Resp: 103336

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.0

