

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111422\
 Data File : VW028960.D
 Acq On : 15 Nov 2022 00:32
 Operator : SY/MD
 Sample : N5604-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46C8

Quant Time: Nov 15 05:36:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 15 01:23:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	197807	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.870	117	246405	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.249	152	124003	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	48153	3.993	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.561	69	53695	5.065	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.143	63	77531	3.528	ug/L	0.03
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.600%
20) 2-Butanone-d5	4.056	46	77440	38.362	ug/L	0.16
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.720%
24) Chloroform-d	4.397	84	122756	4.958	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.076	65	54574	4.899	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.076	84	218132	2.966	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.400%#
36) 1,2-Dichloropropane-d6	6.072	67	62113	3.024	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	60.400%
41) Toluene-d8	7.355	98	283449	4.281	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.600%
43) trans-1,3-Dichloroprop...	7.661	79	17472	2.608	ug/L	0.04
Spiked Amount	5.000	Range	55 - 130	Recovery	=	52.200%#
46) 2-Hexanone-d5	8.140	63	103707	36.272	ug/L	0.05
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.540%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	62628	4.398	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	103930	4.685	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	773	0.056	ug/L	83
5) Vinyl chloride	1.304	62	57703	3.696	ug/L	94
8) Chloroethane	1.581	64	1234	0.135	ug/L #	71
12) 1,1-Dichloroethene	2.146	96	1085	0.091	ug/L #	1
14) Carbon disulfide	2.333	76	13495	0.317	ug/L	100
17) Methyl tert-butyl Ether	2.831	73	399931	15.578	ug/L	96
18) trans-1,2-Dichloroethene	2.802	96	23180	1.669	ug/L	91
19) 1,1-Dichloroethane	3.243	63	17049	0.751	ug/L #	92
22) cis-1,2-Dichloroethene	3.957	96	358195	25.369	ug/L #	88
34) Trichloroethene	5.899	95	5813	0.302	ug/L	94
35) Methylcyclohexane	6.072	83	20013	0.591	ug/L #	21
52) Ethylbenzene	9.030	91	3687	0.044	ug/L #	80
53) m,p-Xylene	9.159	106	1517	0.045	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	12860	1.518	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.542	105	7774	0.114	ug/L	98
63) 1,2,4-Trimethylbenzene	10.918	105	17165	0.251	ug/L	99

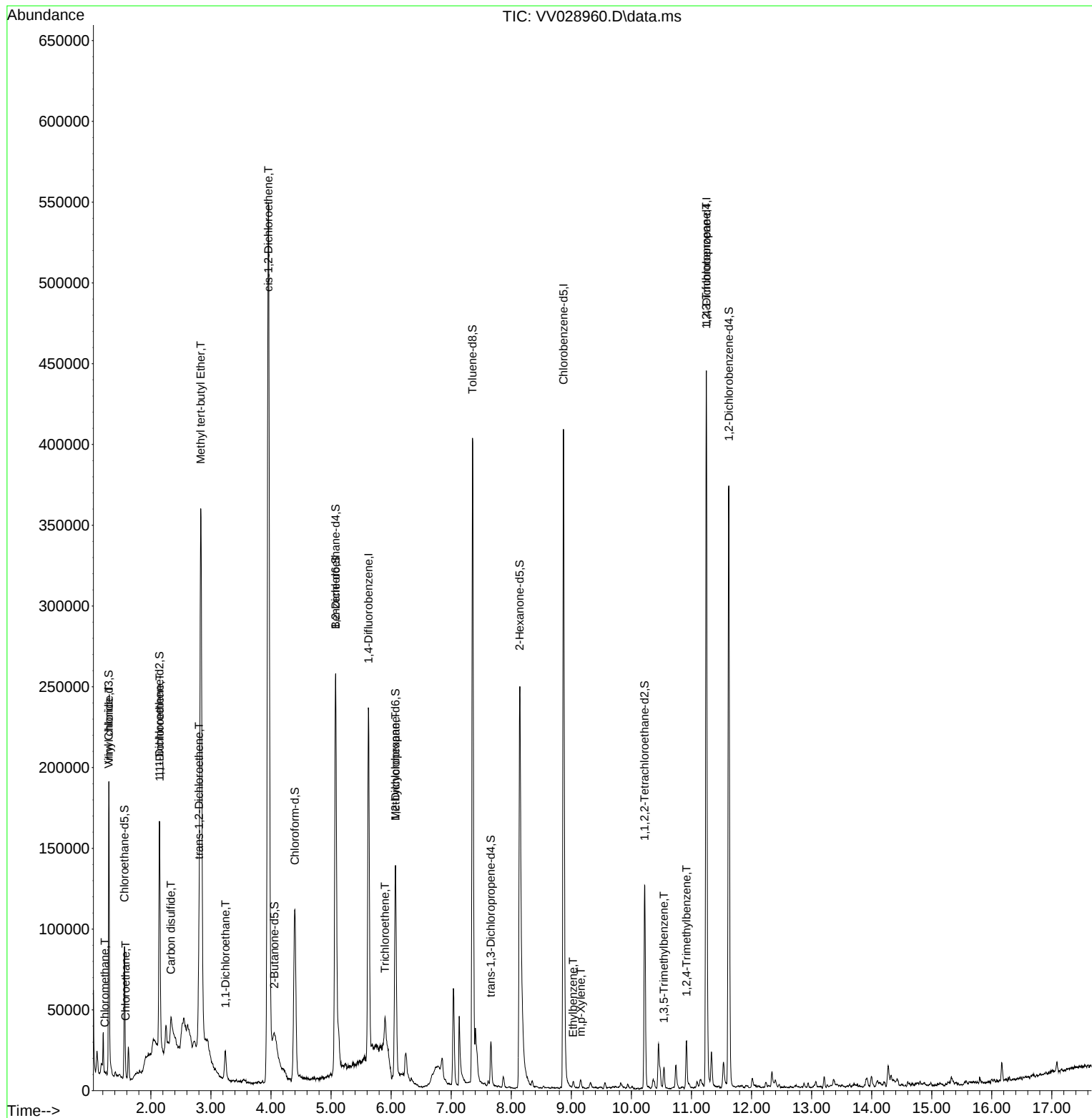
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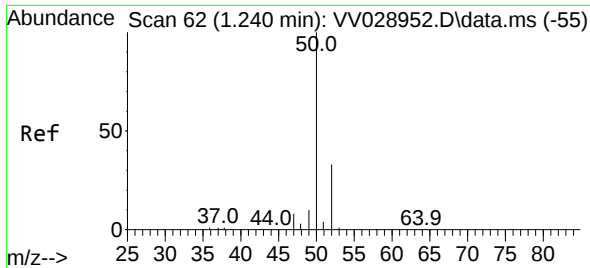
Instrument :
MSVOA_V
ClientSampleId :
H46C8

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Response via : Initial Calibration

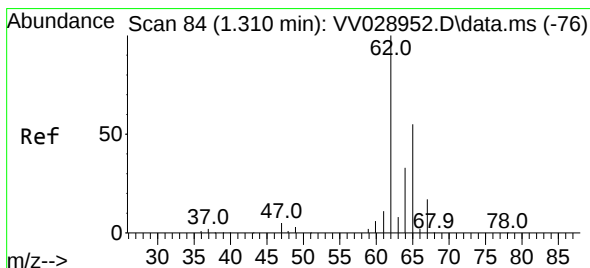
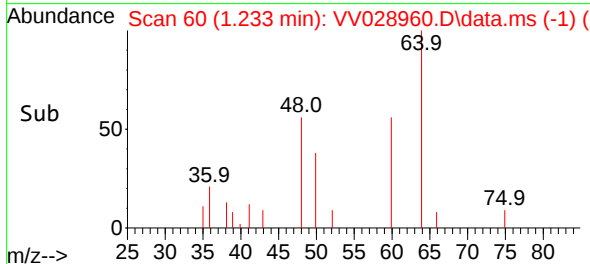
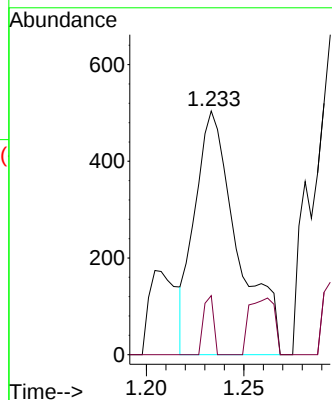
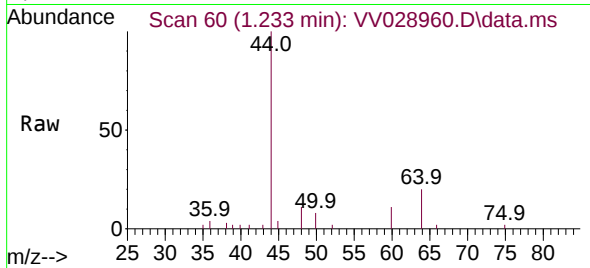




#3
Chloromethane
Concen: 0.056 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.006 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

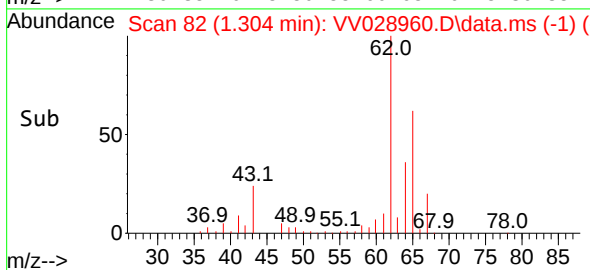
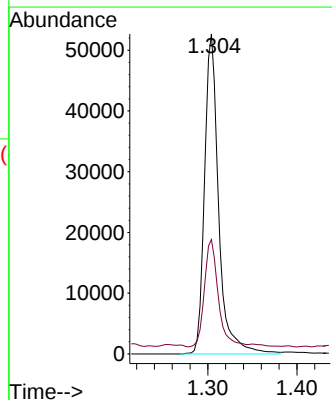
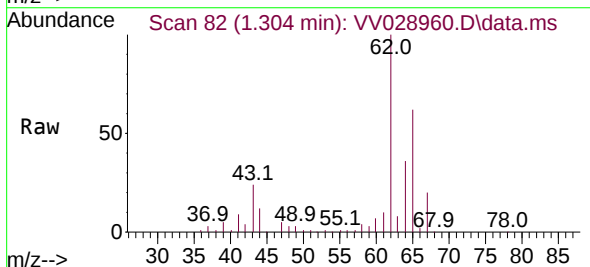
Instrument :
MSVOA_V
ClientSampleId :
H46C8

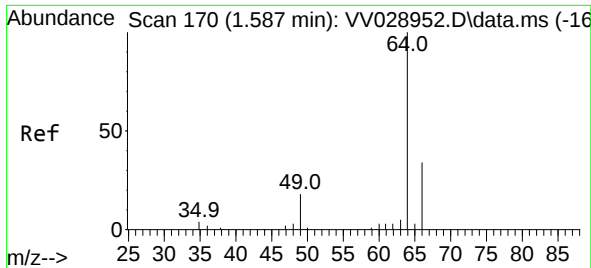
Tgt Ion: 50 Resp: 773
Ion Ratio Lower Upper
50 100
52 24.2 23.7 43.9



#5
Vinyl chloride
Concen: 3.696 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.006 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

Tgt Ion: 62 Resp: 57703
Ion Ratio Lower Upper
62 100
64 35.7 22.8 42.4

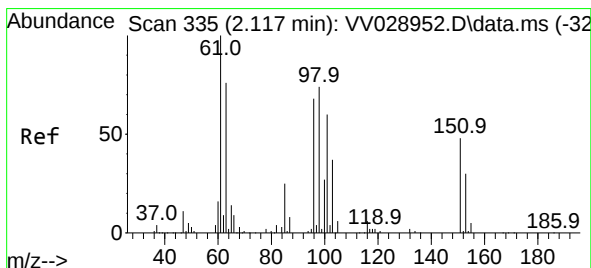
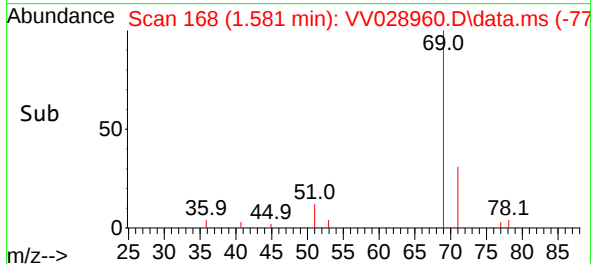
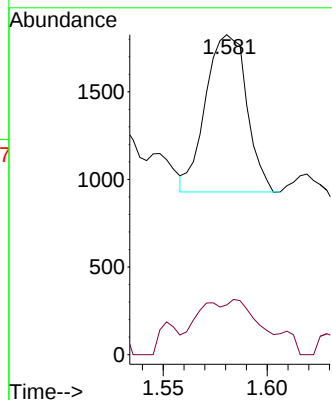
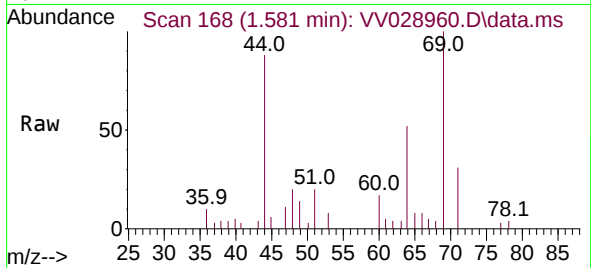




#8
Chloroethane
Concen: 0.135 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

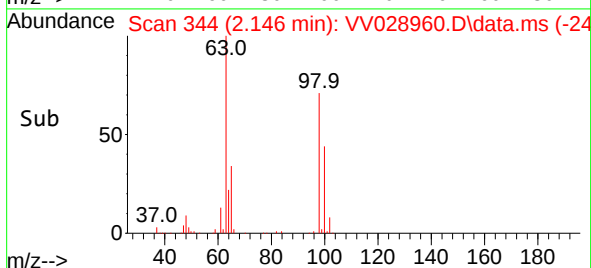
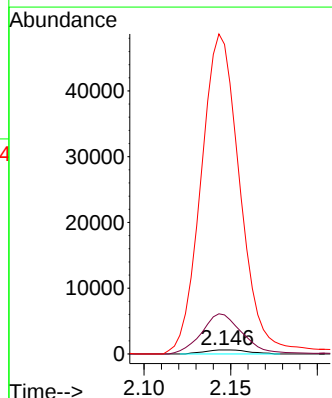
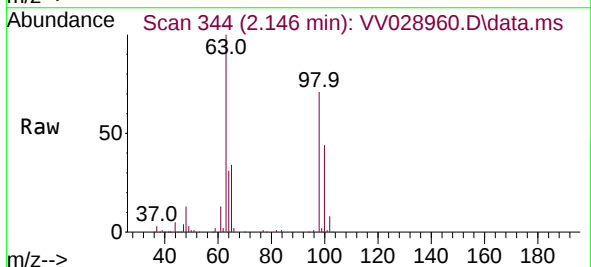
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MSVOA_V
ClientSampleId :
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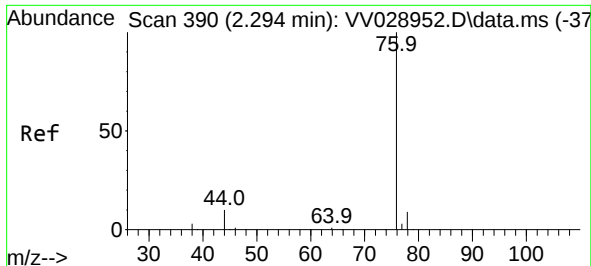
Tgt Ion: 64 Resp: 1234
Ion Ratio Lower Upper
64 100
66 15.6 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.091 ug/L
RT: 2.146 min Scan# 344
Delta R.T. 0.029 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

Tgt Ion: 96 Resp: 1085
Ion Ratio Lower Upper
96 100
61 966.0 104.2 193.4#
63 7667.8 75.9 140.9#





#14

Carbon disulfide

Concen: 0.317 ug/L

RT: 2.333 min Scan# 402

Delta R.T. 0.039 min

Lab File: VV028960.D

Acq: 15 Nov 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

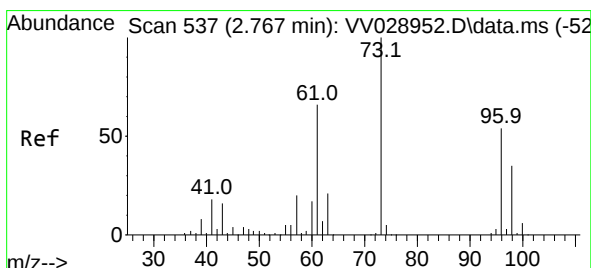
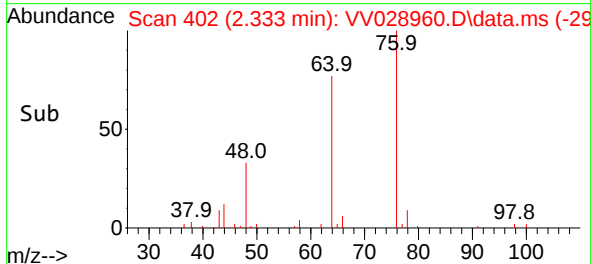
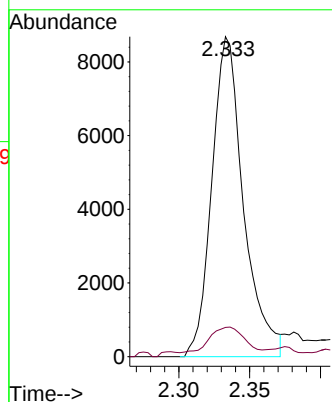
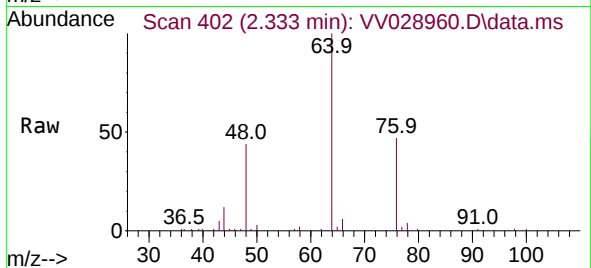
H46C8

Tgt Ion: 76 Resp: 13495

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



#17

Methyl tert-butyl Ether

Concen: 15.578 ug/L

RT: 2.831 min Scan# 557

Delta R.T. 0.064 min

Lab File: VV028960.D

Acq: 15 Nov 2022 00:32

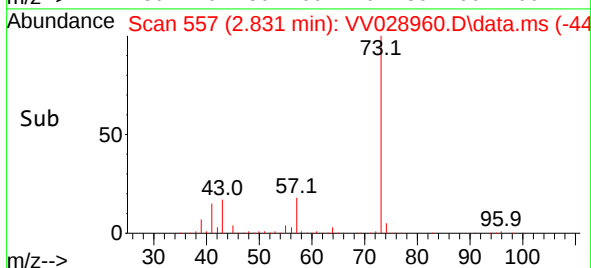
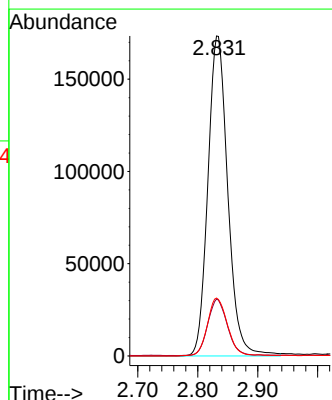
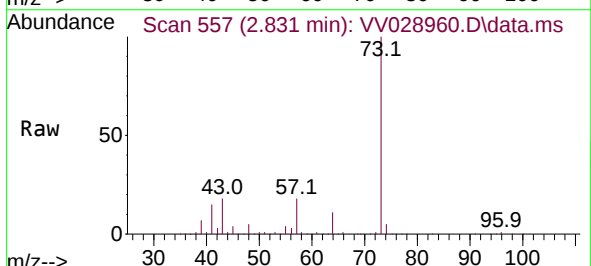
Tgt Ion: 73 Resp: 399931

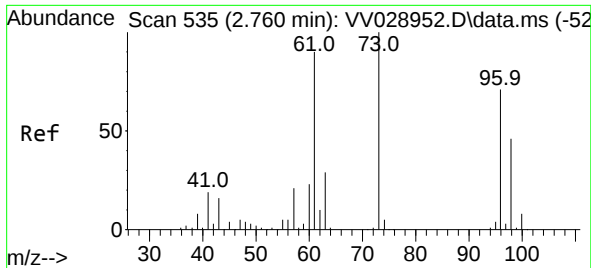
Ion Ratio Lower Upper

73 100

43 17.4 13.0 19.4

57 18.2 16.6 24.8

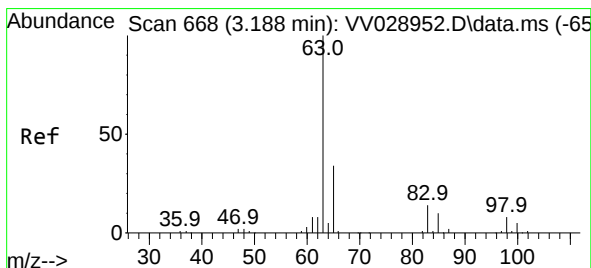
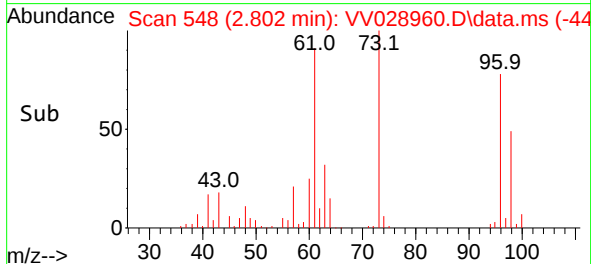
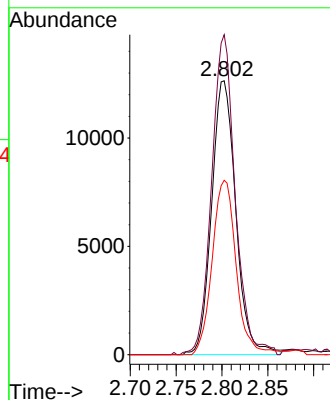
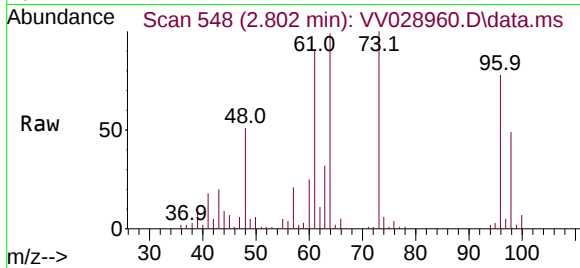




#18
trans-1,2-Dichloroethene
Concen: 1.669 ug/L
RT: 2.802 min Scan# 54
Delta R.T. 0.042 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

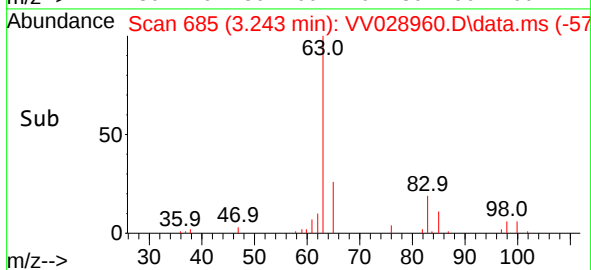
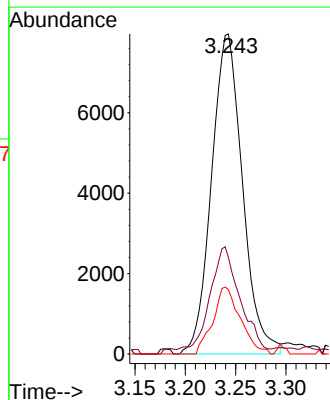
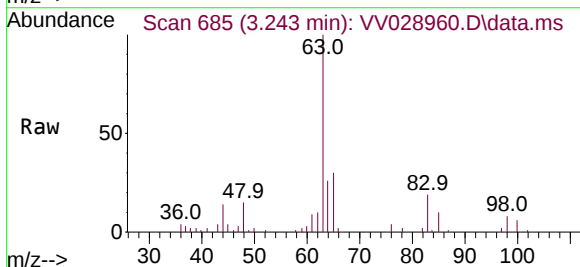
Instrument :
MSVOA_V
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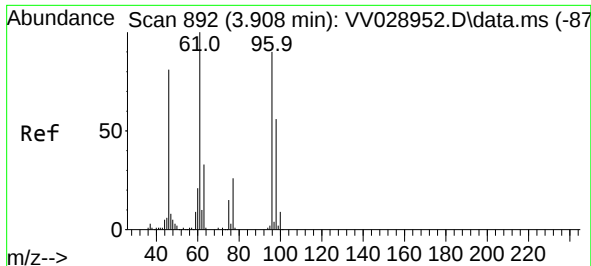
Tgt Ion: 96 Resp: 23180
Ion Ratio Lower Upper
96 100
61 116.8 91.8 170.6
98 63.7 46.4 86.2



#19
1,1-Dichloroethane
Concen: 0.751 ug/L
RT: 3.243 min Scan# 685
Delta R.T. 0.055 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

Tgt Ion: 63 Resp: 17049
Ion Ratio Lower Upper
63 100
65 30.3 23.0 42.6
83 20.1 9.4 17.6#

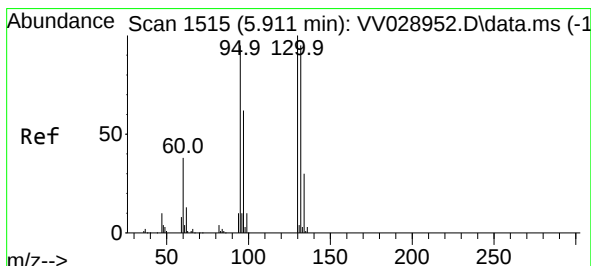
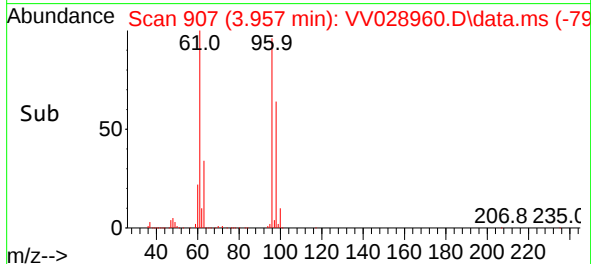
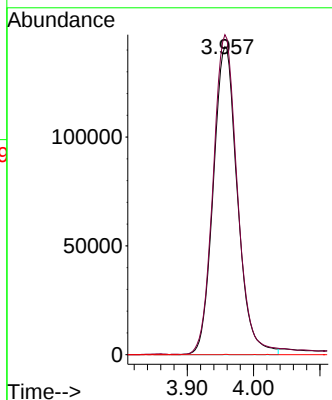
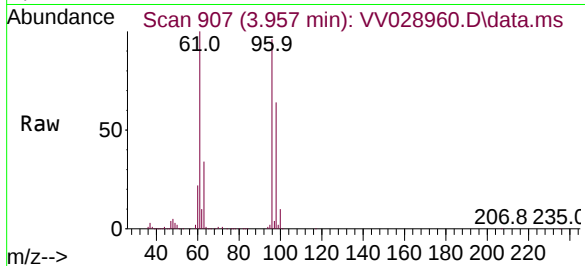




#22
 cis-1,2-Dichloroethene
 Concen: 25.369 ug/L
 RT: 3.957 min Scan# 90
 Delta R.T. 0.048 min
 Lab File: VV028960.D
 Acq: 15 Nov 2022 00:32

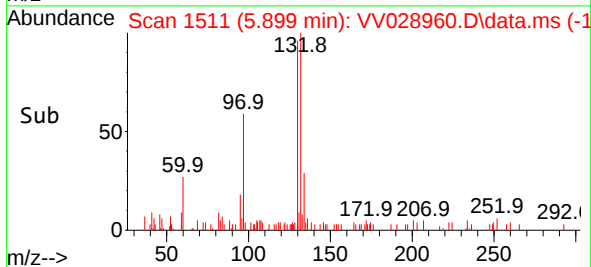
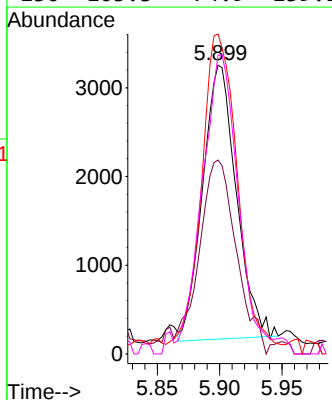
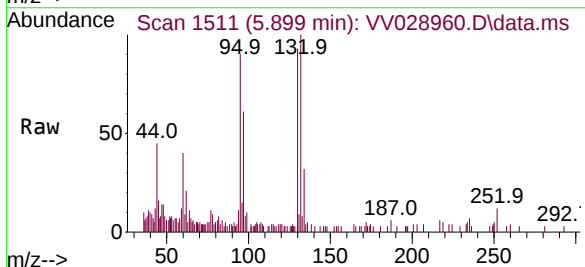
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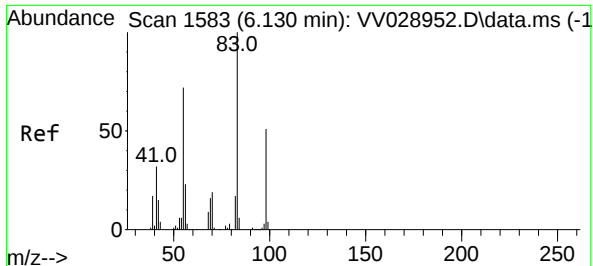
Tgt Ion: 96 Resp: 358195
 Ion Ratio Lower Upper
 96 100
 61 103.9 82.3 152.9
 68 0.1 0.0 0.0#



#34
 Trichloroethene
 Concen: 0.302 ug/L
 RT: 5.899 min Scan# 1511
 Delta R.T. -0.013 min
 Lab File: VV028960.D
 Acq: 15 Nov 2022 00:32

Tgt Ion: 95 Resp: 5813
 Ion Ratio Lower Upper
 95 100
 97 67.1 45.6 84.8
 132 110.8 69.1 128.3
 130 103.3 74.9 139.1





#35

Methylcyclohexane

Concen: 0.591 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.058 min

Lab File: VV028960.D

Acq: 15 Nov 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

H46C8

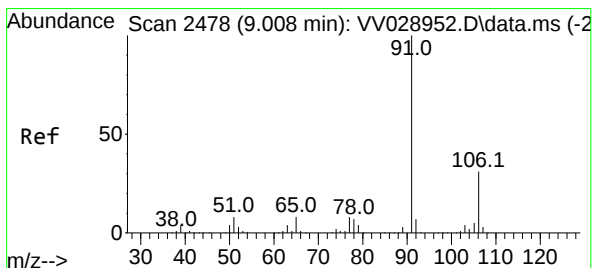
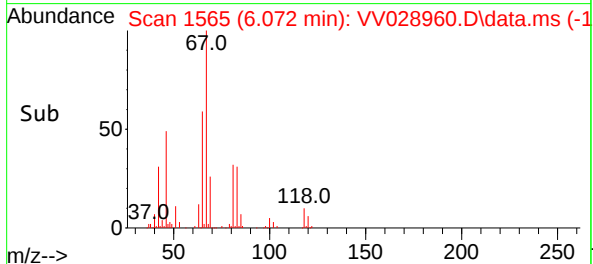
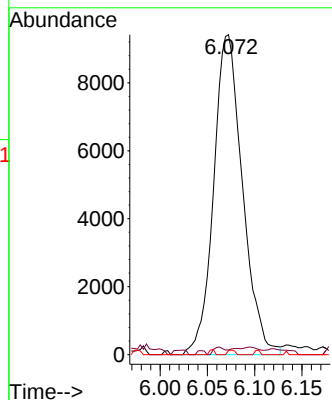
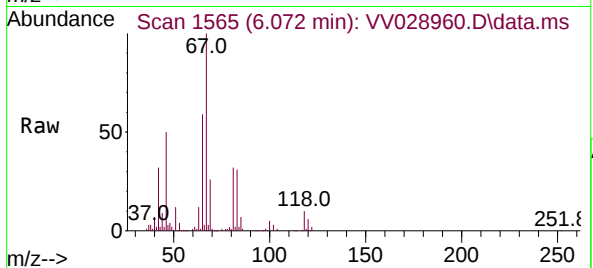
Tgt Ion: 83 Resp: 20013

Ion Ratio Lower Upper

83 100

55 0.0 55.8 83.6#

98 0.4 38.2 57.2#



#52

Ethylbenzene

Concen: 0.044 ug/L

RT: 9.030 min Scan# 2485

Delta R.T. 0.023 min

Lab File: VV028960.D

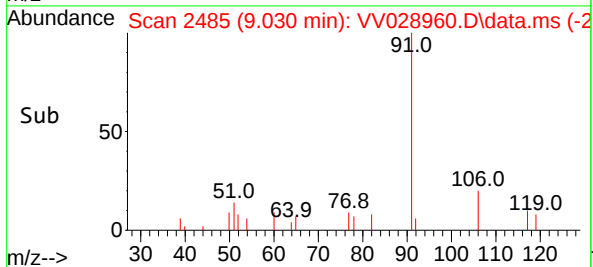
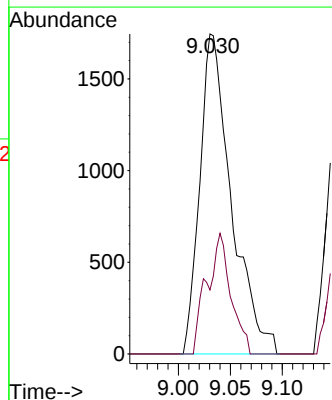
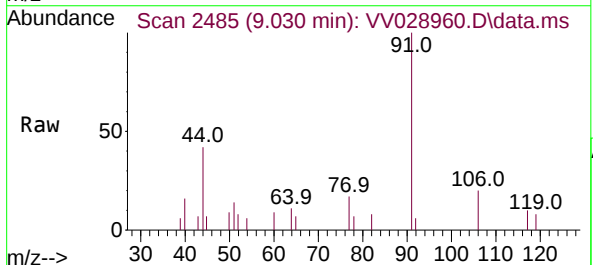
Acq: 15 Nov 2022 00:32

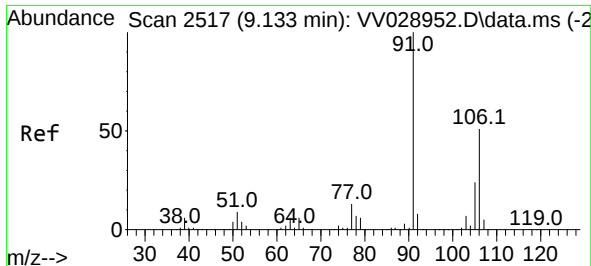
Tgt Ion: 91 Resp: 3687

Ion Ratio Lower Upper

91 100

106 20.0 21.6 40.2#

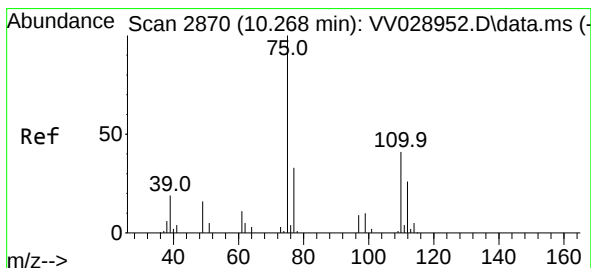
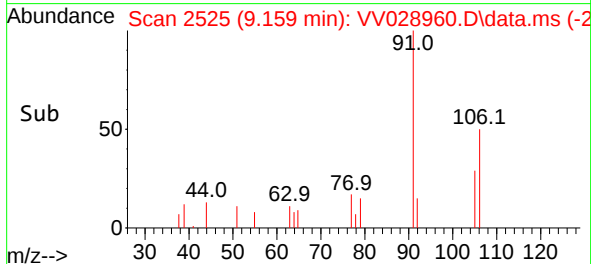
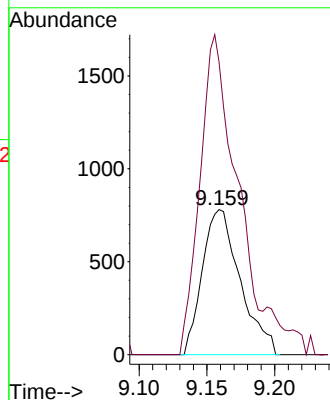
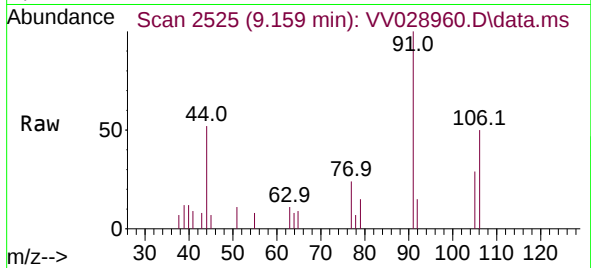




#53
m,p-Xylene
Concen: 0.045 ug/L
RT: 9.159 min Scan# 21
Delta R.T. 0.026 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

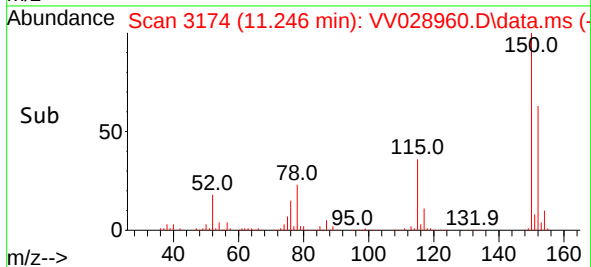
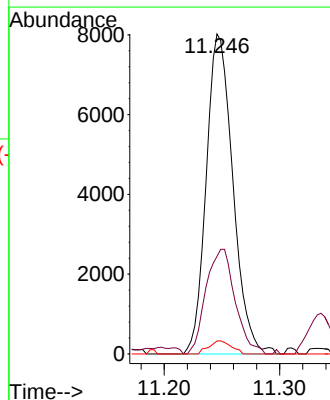
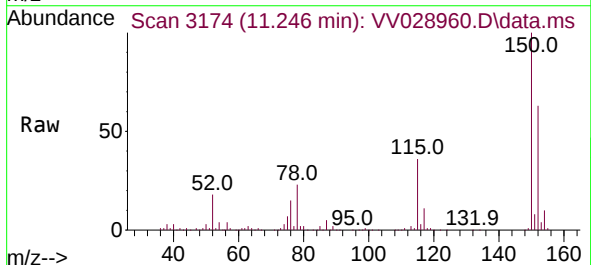
Instrument :
MSVOA_V
ClientSampleId :
H46C8

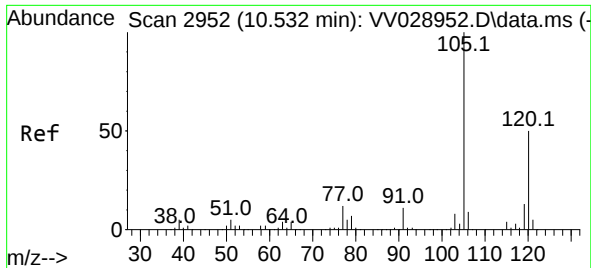
Tgt Ion:106 Resp: 1517
Ion Ratio Lower Upper
106 100
91 201.5 139.1 258.3



#61
1,2,3-Trichloropropane
Concen: 1.518 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.978 min
Lab File: VV028960.D
Acq: 15 Nov 2022 00:32

Tgt Ion: 75 Resp: 12860
Ion Ratio Lower Upper
75 100
77 35.7 26.2 39.2
110 3.4 32.6 48.8#





#62

1,3,5-Trimethylbenzene

Concen: 0.114 ug/L

RT: 10.542 min Scan# 2952

Delta R.T. 0.010 min

Lab File: VV028960.D

Acq: 15 Nov 2022 00:32

Instrument :

MSVOA_V

ClientSampleId :

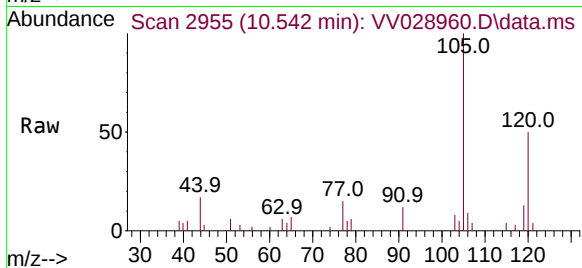
H46C8

Tgt Ion:105 Resp: 7774

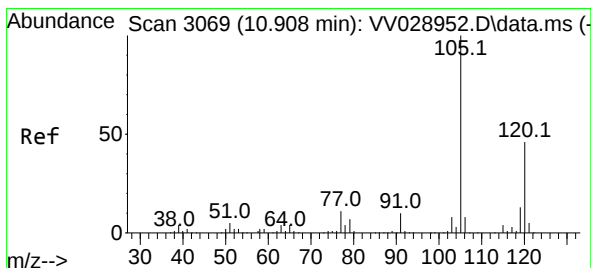
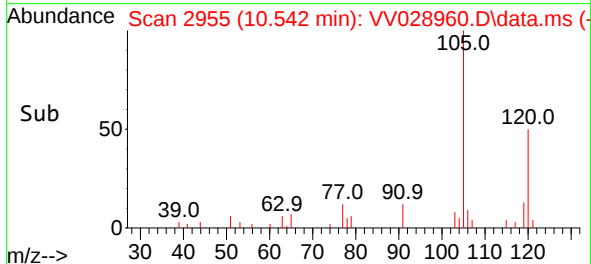
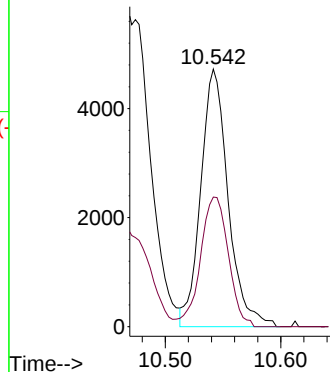
Ion Ratio Lower Upper

105 100

120 51.3 39.9 59.9



Abundance



#63

1,2,4-Trimethylbenzene

Concen: 0.251 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.010 min

Lab File: VV028960.D

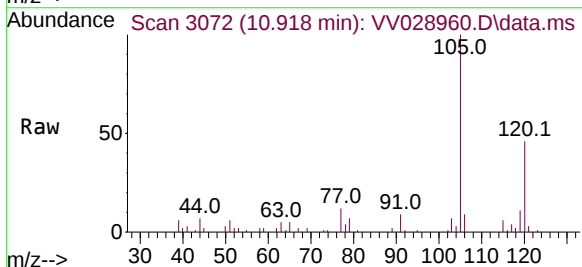
Acq: 15 Nov 2022 00:32

Tgt Ion:105 Resp: 17165

Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8



Abundance

