

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111422\
 Data File : VW028958.D
 Acq On : 14 Nov 2022 23:43
 Operator : SY/MD
 Sample : N5604-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46B9

Quant Time: Nov 15 05:35:55 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	5.612	114	268837	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	248951	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	125650	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	71928	4.389	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.800%
7) Chloroethane-d5	1.568	69	60180	4.177	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.600%
11) 1,1-Dichloroethene-d2	2.108	63	89713	3.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.889	46	69147	25.203	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.400%
24) Chloroform-d	4.342	84	152866	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.027	65	68264	4.509	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.047	84	314396	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.066	67	96252	4.639	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.800%
41) Toluene-d8	7.310	98	282979	4.230	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	7.622	79	24388	3.604	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.000%
46) 2-Hexanone-d5	8.088	63	121825	42.173	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.340%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	67549	4.695	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	107680	4.790	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	6816	0.366	ug/L #	41
5) Vinyl chloride	1.310	62	1743021	82.158	ug/L	87
8) Chloroethane	1.310	64	547127	43.887	ug/L #	45
12) 1,1-Dichloroethene	2.117	96	15358	0.944	ug/L #	1
14) Carbon disulfide	2.294	76	27476	0.475	ug/L	98
15) Methyl Acetate	2.432	43	4194	0.979	ug/L #	44
17) Methyl tert-butyl Ether	2.770	73	1408	0.040	ug/L #	1
18) trans-1,2-Dichloroethene	2.757	96	529769	28.067	ug/L	95
19) 1,1-Dichloroethane	3.188	63	12654	0.410	ug/L	95
22) cis-1,2-Dichloroethene	3.902	96	3185697	166.015	ug/L	96
30) Cyclohexane	4.674	56	2279	0.077	ug/L #	75
33) Benzene	5.098	78	82997	1.091	ug/L	100
34) Trichloroethene	5.911	95	79427	4.078	ug/L	98
35) Methylcyclohexane	6.127	83	2550	0.074	ug/L	95
37) 1,2-Dichloropropane	6.066	63	9814	0.559	ug/L #	85
39) cis-1,3-Dichloropropene	6.982	75	1766	0.072	ug/L #	39
42) Toluene	7.387	91	77546	0.944	ug/L	98
51) Chlorobenzene	8.876	112	3003	0.059	ug/L	92
52) Ethylbenzene	9.011	91	36847	0.431	ug/L	97

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 QLast Update : Tue Nov 15 01:23:16 2022
 Response via : Initial Calibration

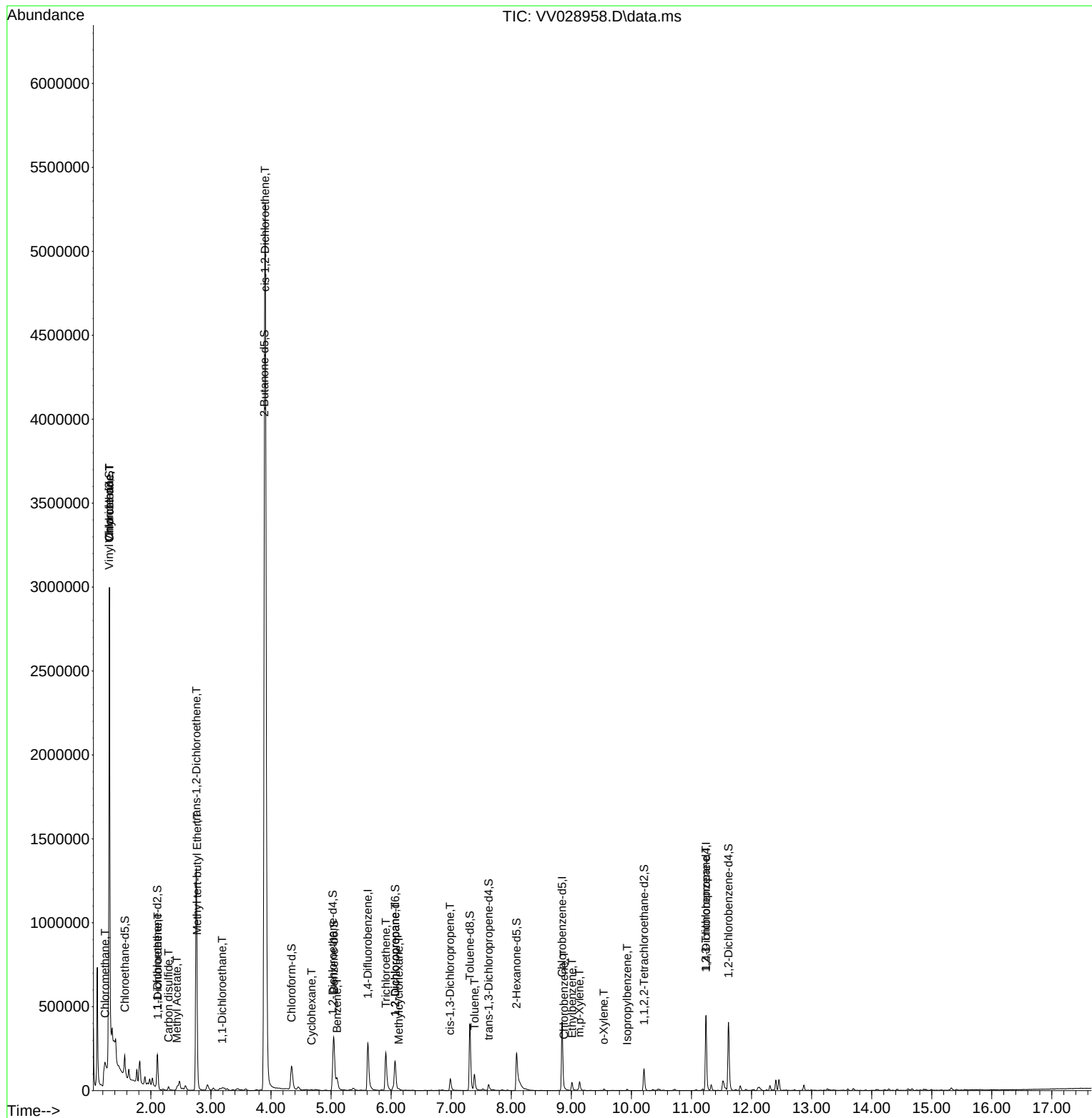
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.136	106	16229	0.477	ug/L	93
54) o-Xylene	9.542	106	3036	0.094	ug/L	89
60) Isopropylbenzene	9.931	105	5352	0.066	ug/L	97
61) 1,2,3-Trichloropropane	11.239	75	13525	1.575	ug/L #	66

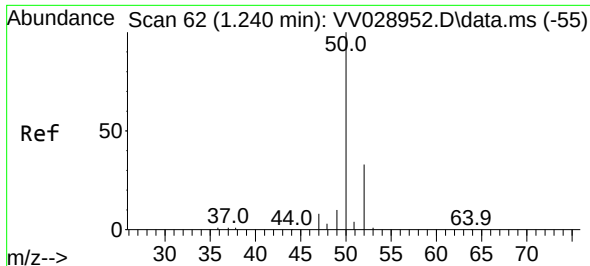
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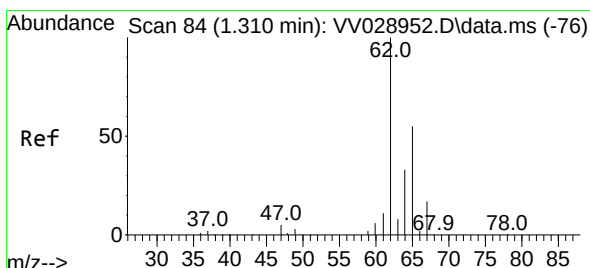
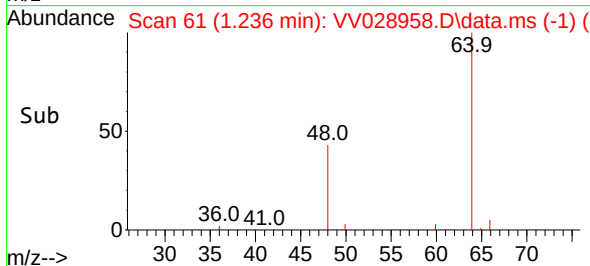
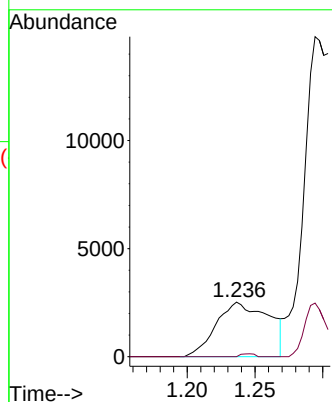
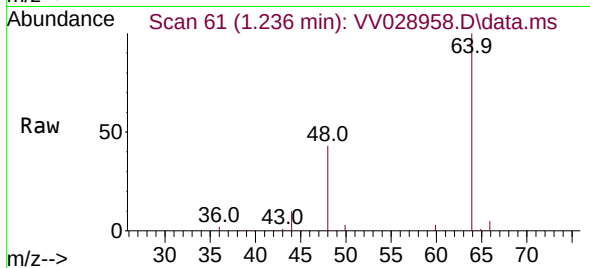




#3
Chloromethane
Concen: 0.366 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

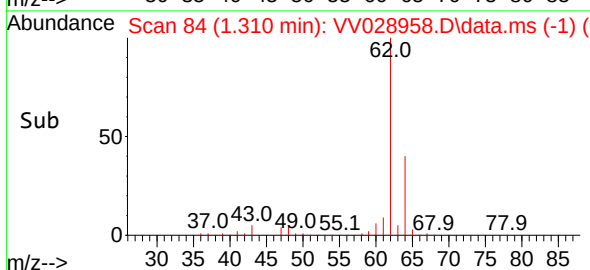
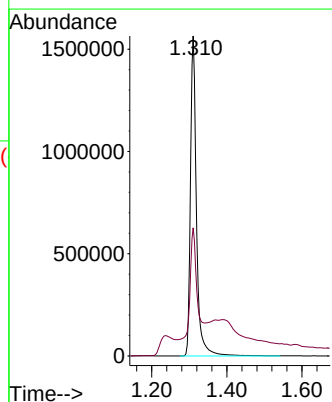
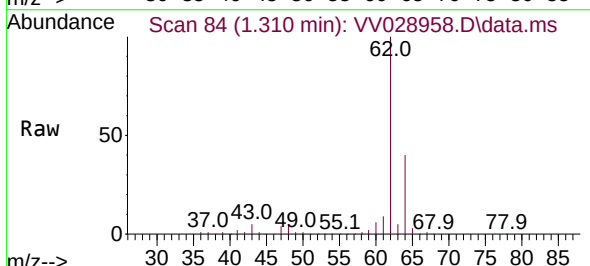
Instrument :
MSVOA_V
ClientSampleId :
H46B9

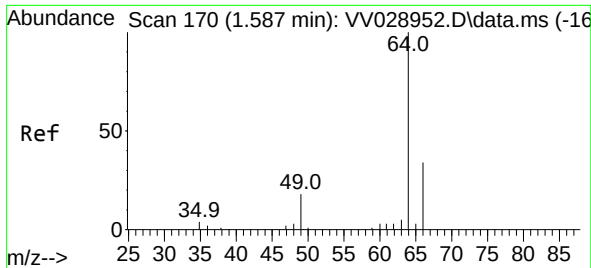
Tgt Ion: 50 Resp: 6816
Ion Ratio Lower Upper
50 100
52 0.0 23.7 43.9#



#5
Vinyl chloride
Concen: 82.158 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 62 Resp: 1743021
Ion Ratio Lower Upper
62 100
64 40.0 22.8 42.4

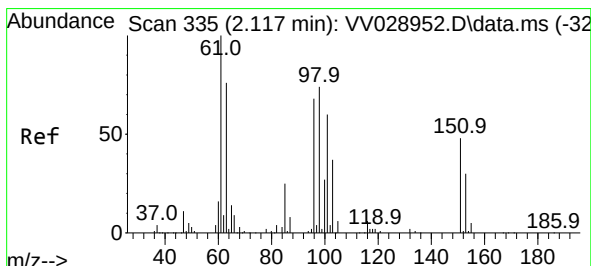
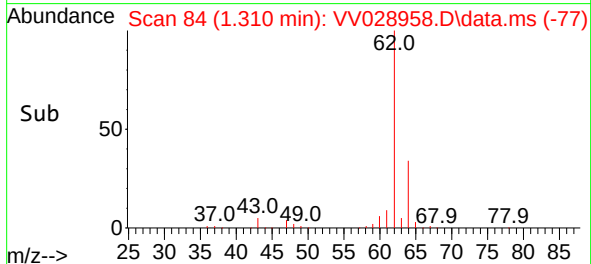
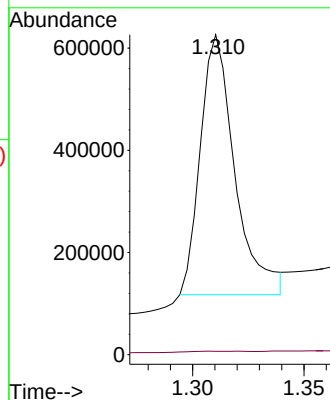
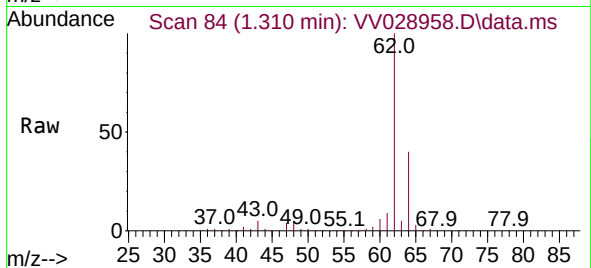




#8
Chloroethane
Concen: 43.887 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.276 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

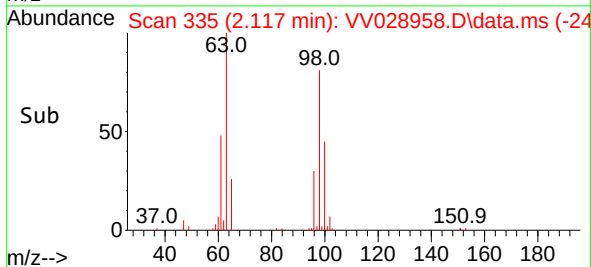
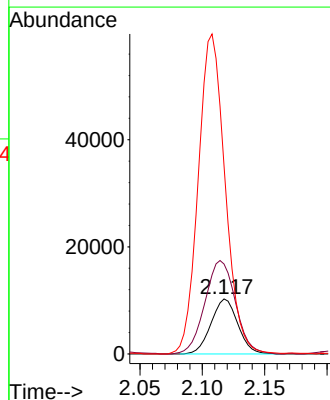
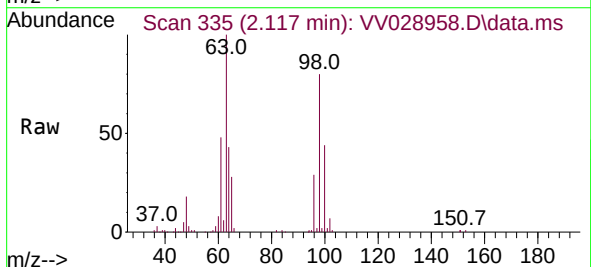
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ClientSampleId :
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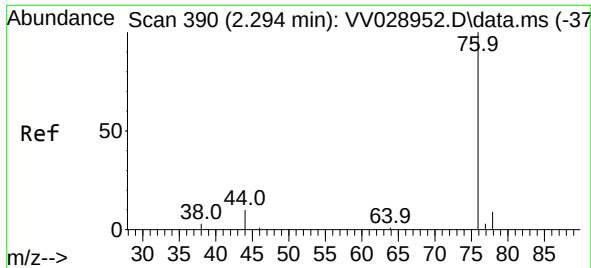
Tgt Ion: 64 Resp: 547127
Ion Ratio Lower Upper
64 100
66 1.0 22.0 40.8#



#12
1,1-Dichloroethene
Concen: 0.944 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 96 Resp: 15358
Ion Ratio Lower Upper
96 100
61 163.4 104.2 193.4
63 341.6 75.9 140.9#

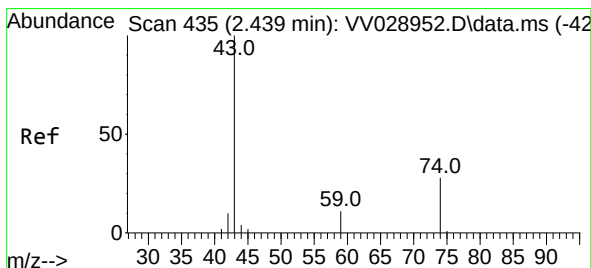
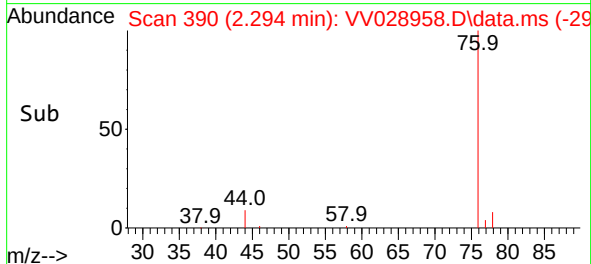
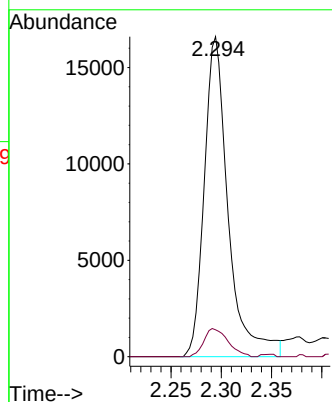
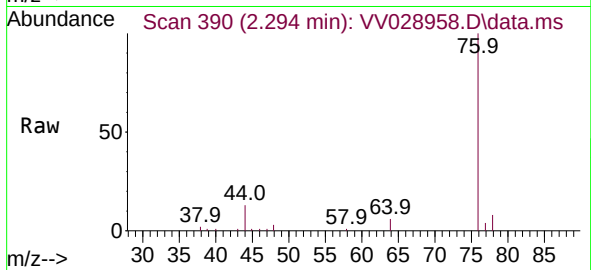




#14
Carbon disulfide
Concen: 0.475 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

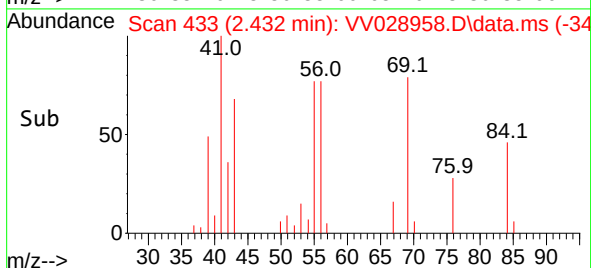
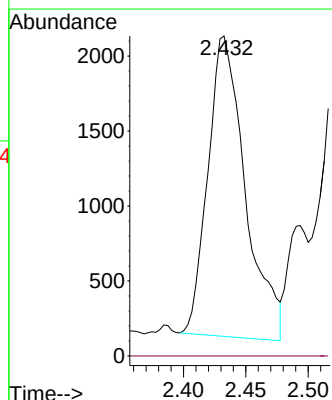
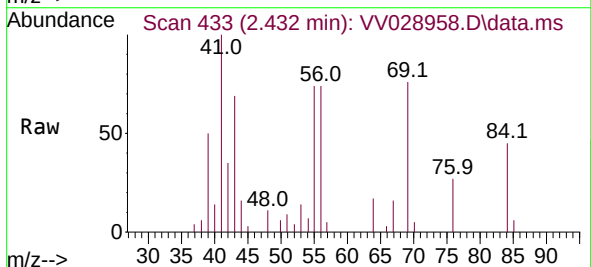
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MSVOA_V
ClientSampleId :
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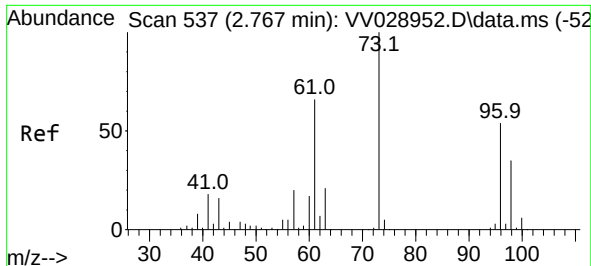
Tgt Ion: 76 Resp: 27476
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#15
Methyl Acetate
Concen: 0.979 ug/L
RT: 2.432 min Scan# 433
Delta R.T. -0.006 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 43 Resp: 4194
Ion Ratio Lower Upper
43 100
74 0.0 24.6 37.0#

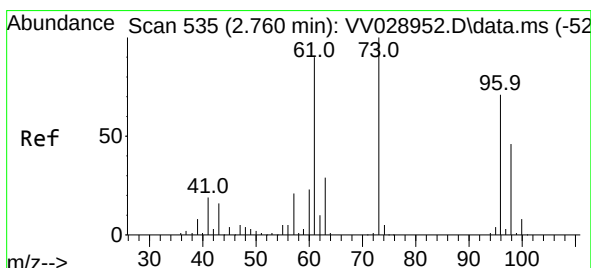
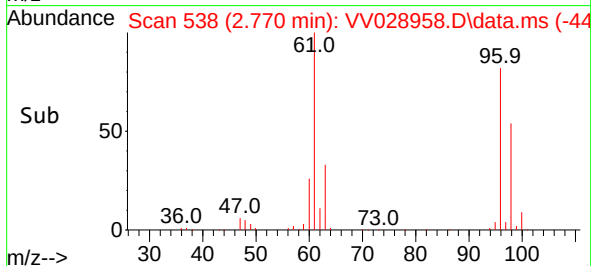
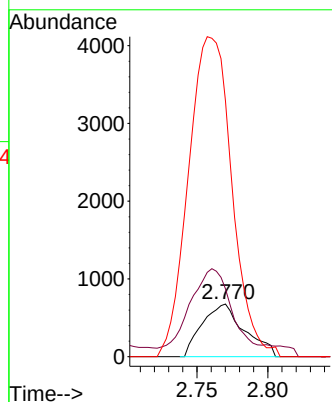
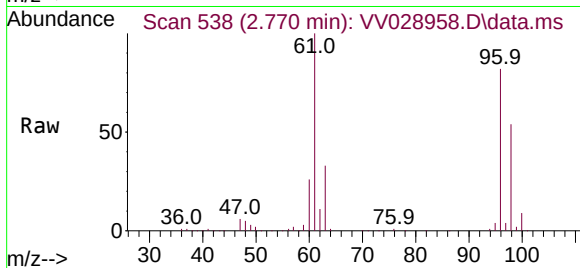




#17
Methyl tert-butyl Ether
Concen: 0.040 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

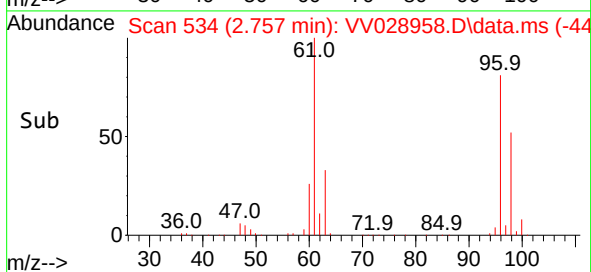
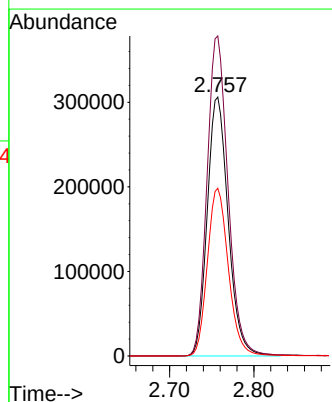
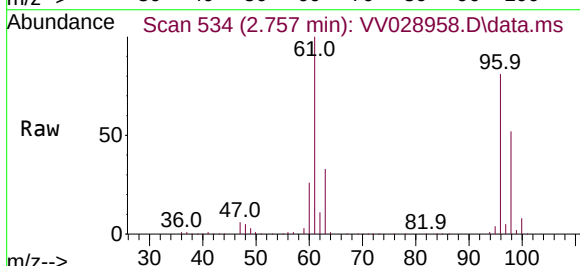
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MSVOA_V
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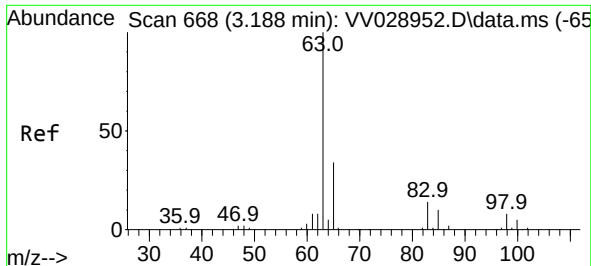
Tgt Ion: 73 Resp: 1408
Ion Ratio Lower Upper
73 100
43 185.1 13.0 19.4#
57 622.4 16.6 24.8#



#18
trans-1,2-Dichloroethene
Concen: 28.067 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 96 Resp: 529769
Ion Ratio Lower Upper
96 100
61 123.6 91.8 170.6
98 64.8 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.410 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.000 min

Lab File: VV028958.D

Acq: 14 Nov 2022 23:43

Instrument :

MSVOA_V

ClientSampleId :

H46B9

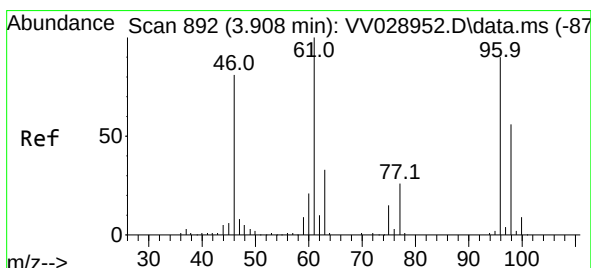
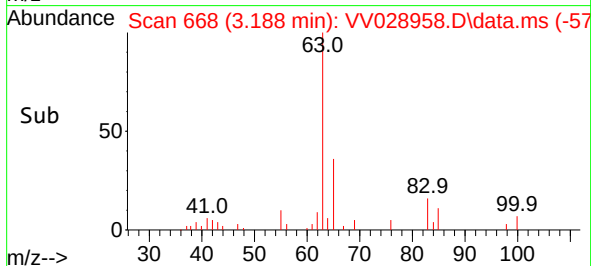
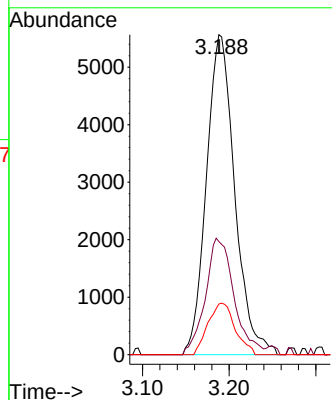
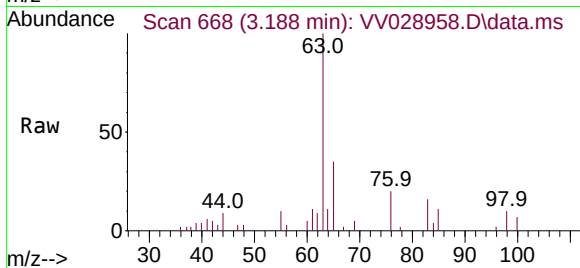
Tgt Ion: 63 Resp: 12654

Ion Ratio Lower Upper

63 100

65 35.4 23.0 42.6

83 15.8 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 166.015 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.006 min

Lab File: VV028958.D

Acq: 14 Nov 2022 23:43

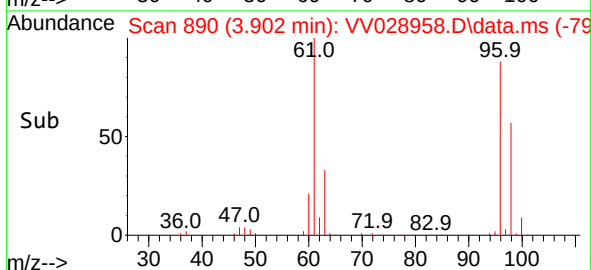
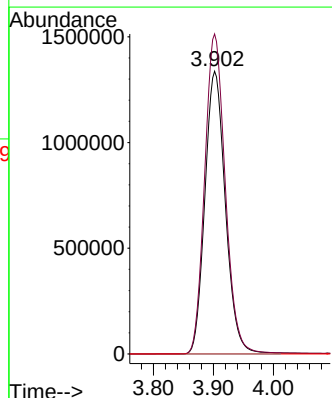
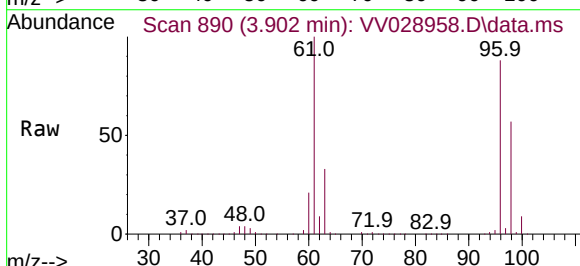
Tgt Ion: 96 Resp: 3185697

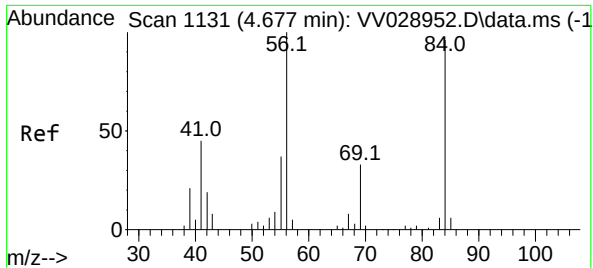
Ion Ratio Lower Upper

96 100

61 113.2 82.3 152.9

68 0.0 0.0 0.0



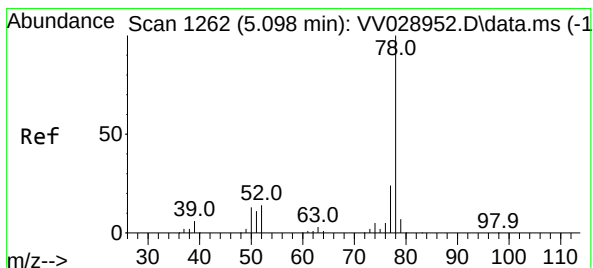
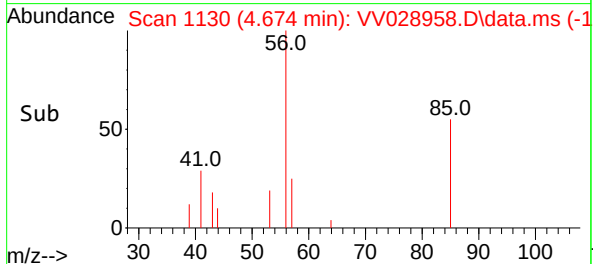
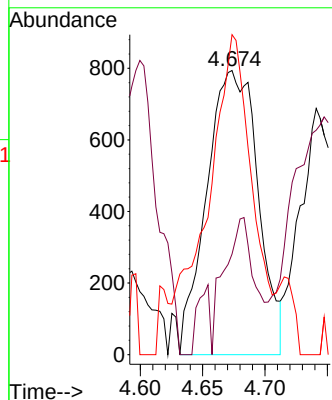
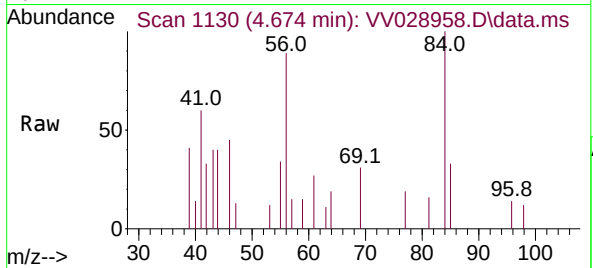


#30
Cyclohexane
Concen: 0.077 ug/L
RT: 4.674 min Scan# 1130
Delta R.T. -0.003 min
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Acq: 14 Nov 2022 23:43

Instrument :
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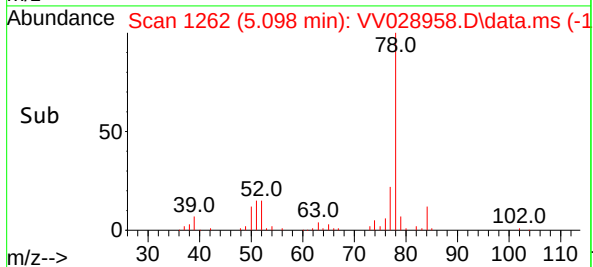
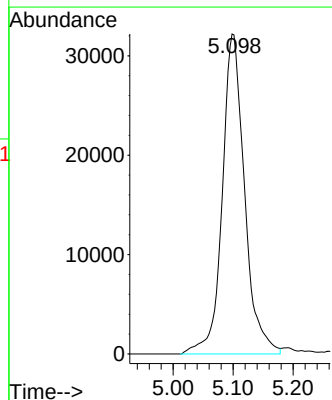
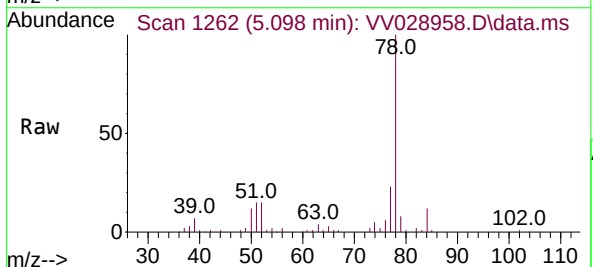
Tgt Ion: 56 Resp: 2279

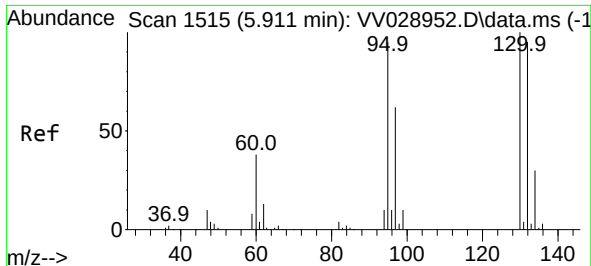
Ion	Ratio	Lower	Upper
56	100		
69	28.1	26.1	39.1
84	66.8	77.9	116.9



#33
Benzene
Concen: 1.091 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 78 Resp: 82997



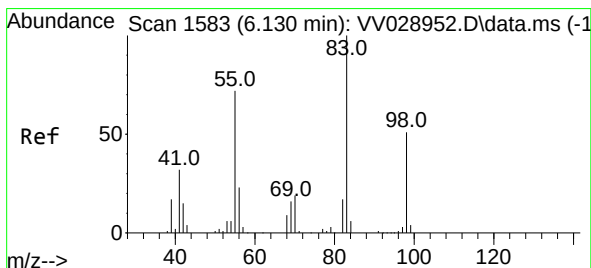
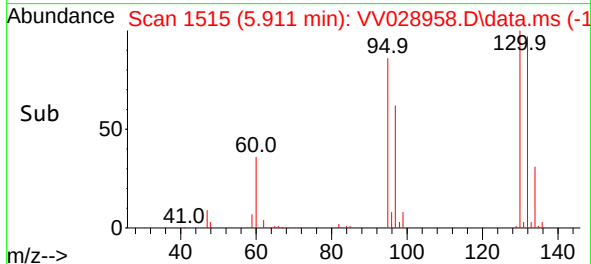
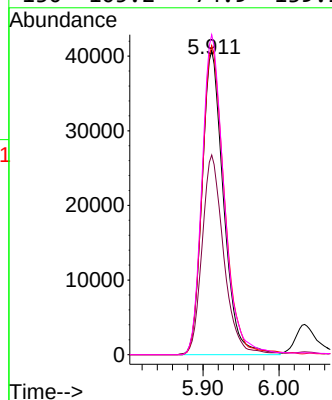
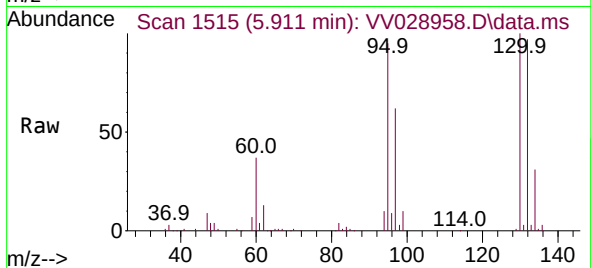


#34
Trichloroethene
Concen: 4.078 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Instrument :
MSVOA_V
ClientSampleId :
H46B9

Tgt Ion: 95 Resp: 79427

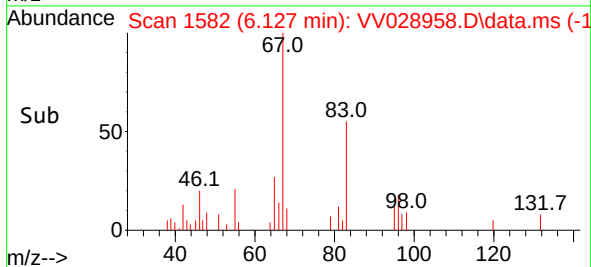
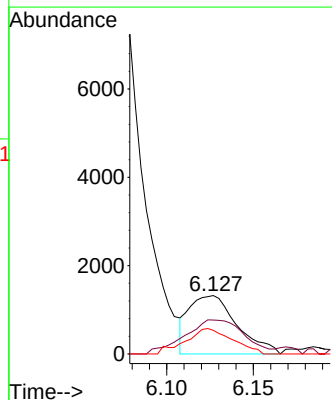
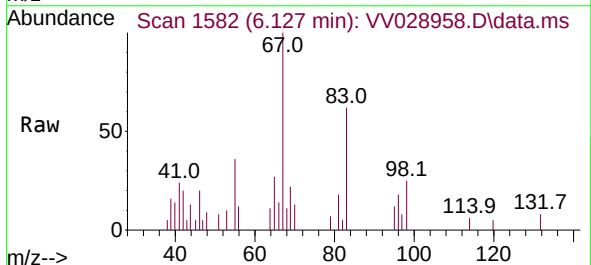
Ion	Ratio	Lower	Upper
95	100		
97	65.7	45.6	84.8
132	101.6	69.1	128.3
130	105.2	74.9	139.1

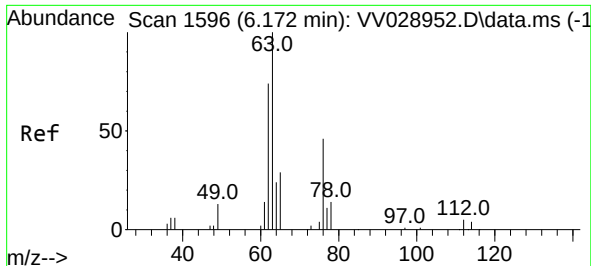


#35
Methylcyclohexane
Concen: 0.074 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 83 Resp: 2550

Ion	Ratio	Lower	Upper
83	100		
55	72.0	55.8	83.6
98	42.5	38.2	57.2





#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV028958.D

Acq: 14 Nov 2022 23:43

Instrument :

MSVOA_V

ClientSampleId :

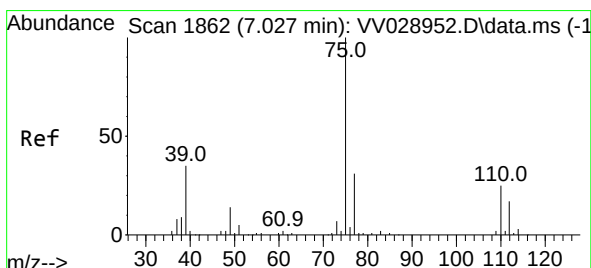
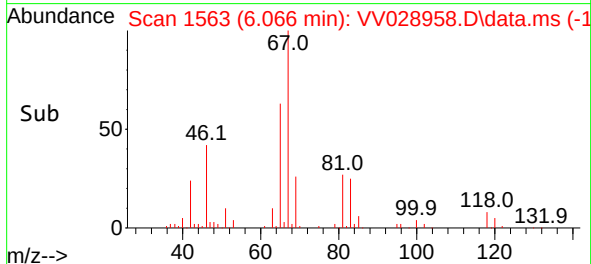
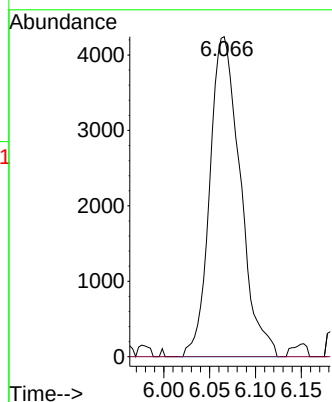
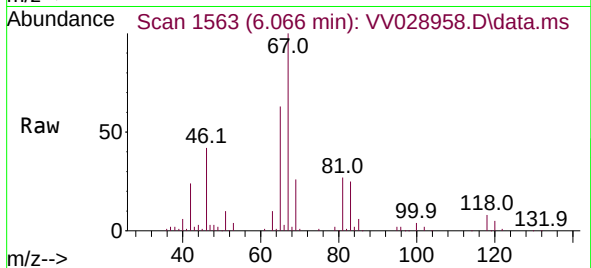
H46B9

Tgt Ion: 63 Resp: 9814

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 6.982 min Scan# 1848

Delta R.T. -0.045 min

Lab File: VV028958.D

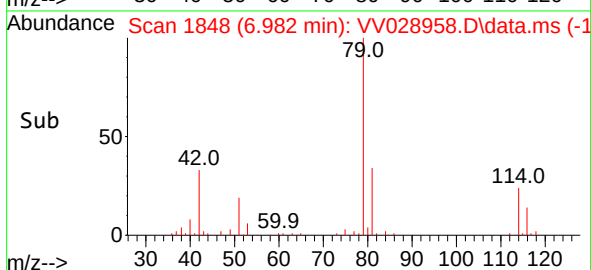
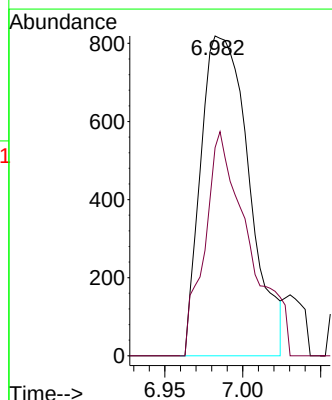
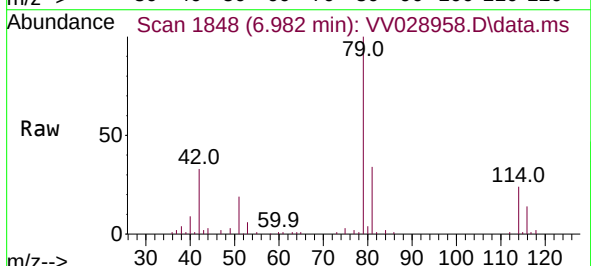
Acq: 14 Nov 2022 23:43

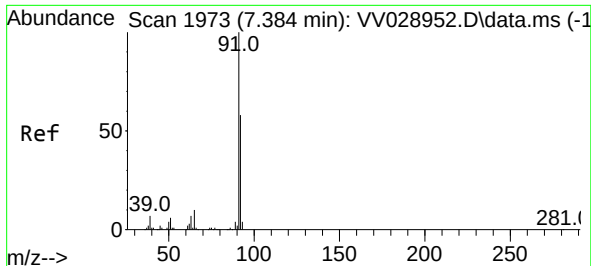
Tgt Ion: 75 Resp: 1766

Ion Ratio Lower Upper

75 100

77 65.1 21.8 40.6#





#42

Toluene

Concen: 0.944 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV028958.D

Acq: 14 Nov 2022 23:43

Instrument :

MSVOA_V

ClientSampleId :

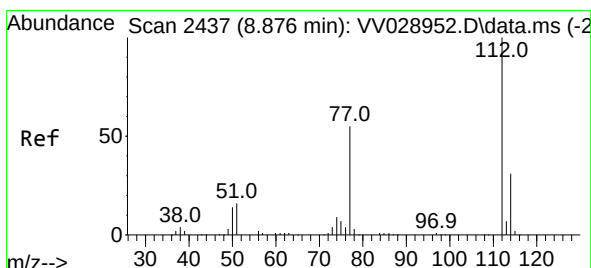
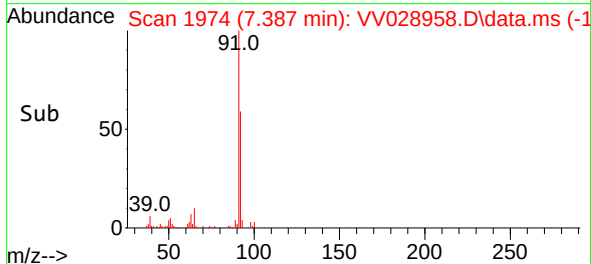
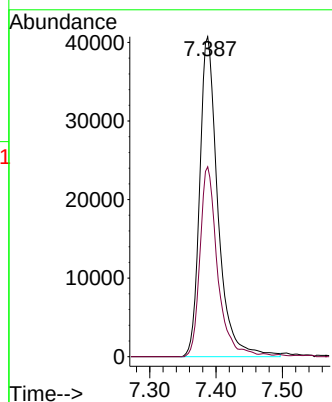
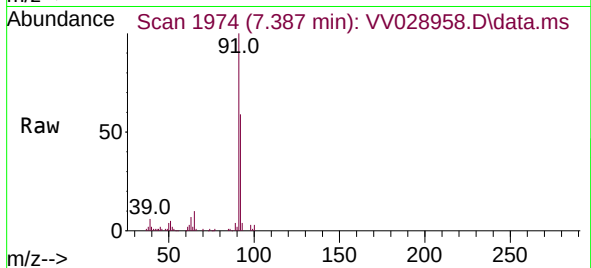
H46B9

Tgt Ion: 91 Resp: 77546

Ion Ratio Lower Upper

91 100

92 59.3 40.7 75.5



#51

Chlorobenzene

Concen: 0.059 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.000 min

Lab File: VV028958.D

Acq: 14 Nov 2022 23:43

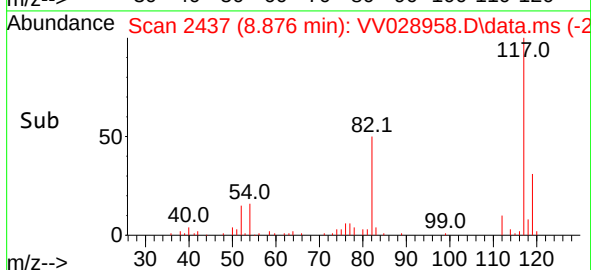
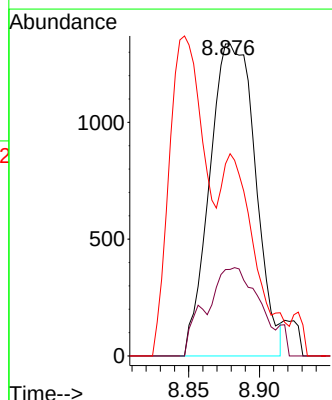
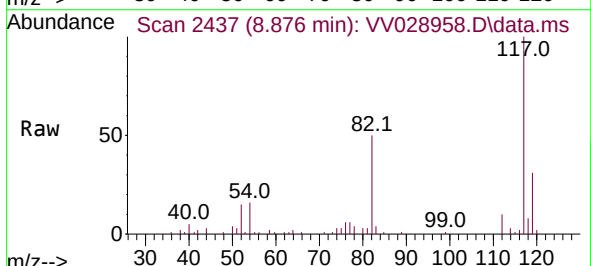
Tgt Ion: 112 Resp: 3003

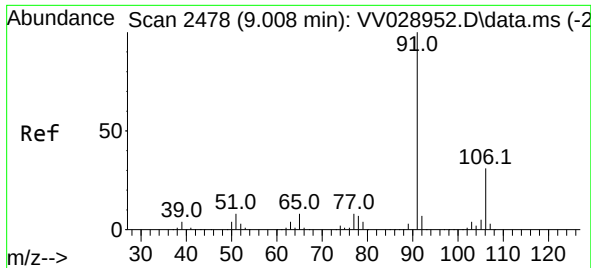
Ion Ratio Lower Upper

112 100

114 27.7 22.4 41.6

77 61.5 44.4 66.6

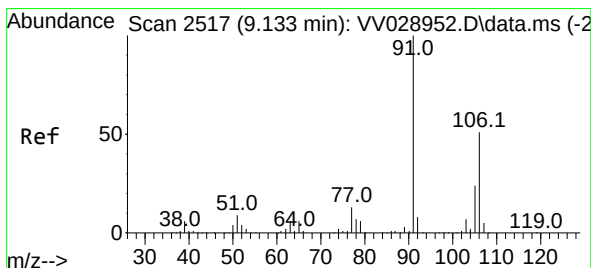
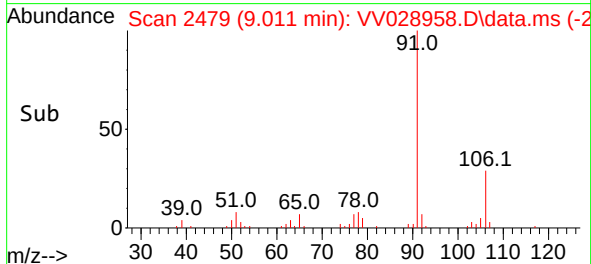
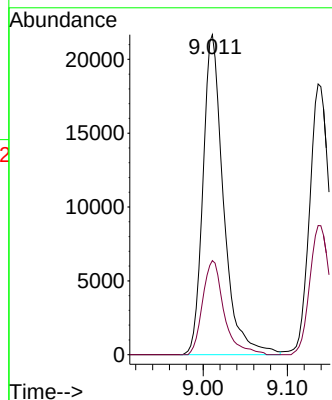
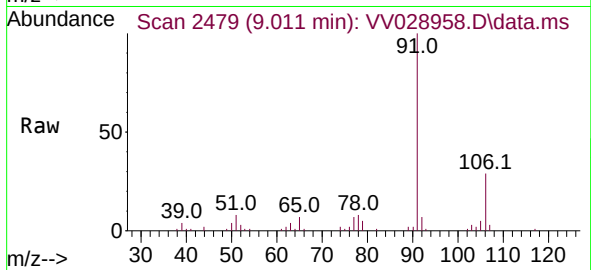




#52
Ethylbenzene
Concen: 0.431 ug/L
RT: 9.011 min Scan# 2478
Delta R.T. 0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

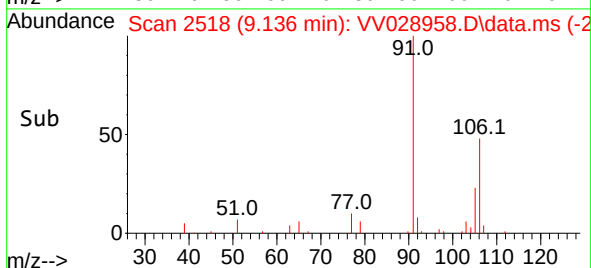
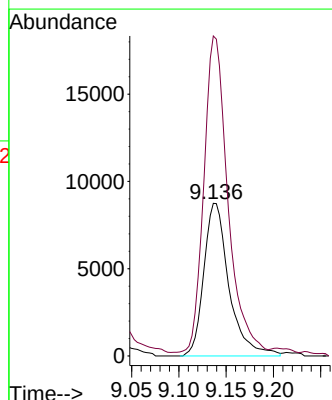
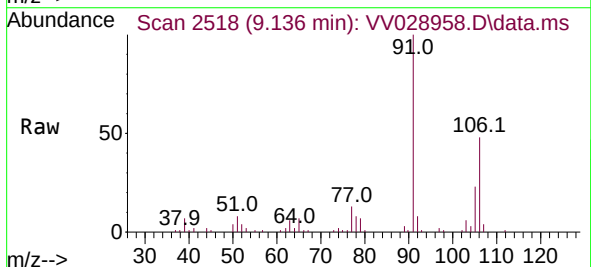
Instrument :
MSVOA_V
ClientSampleId :
H46B9

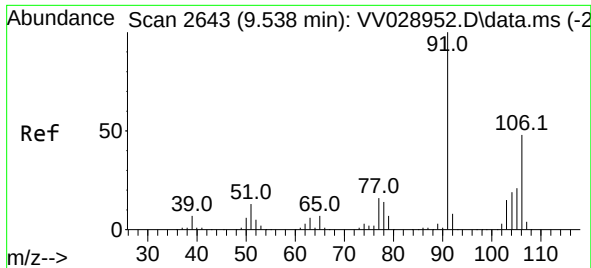
Tgt Ion: 91 Resp: 36847
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.2



#53
m,p-Xylene
Concen: 0.477 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion: 106 Resp: 16229
Ion Ratio Lower Upper
106 100
91 209.7 139.1 258.3

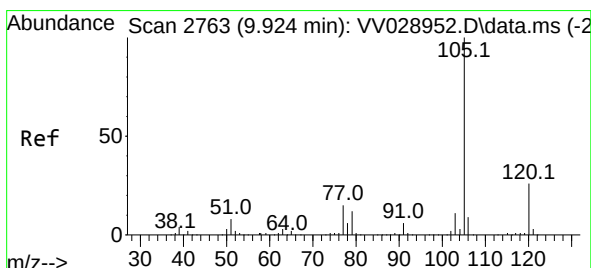
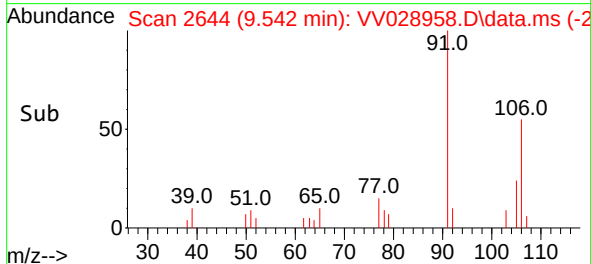
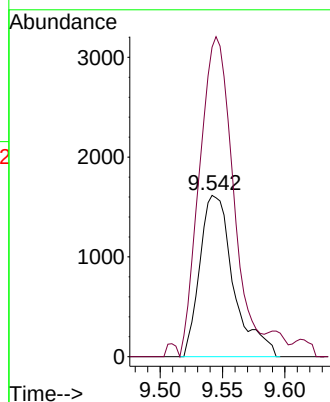
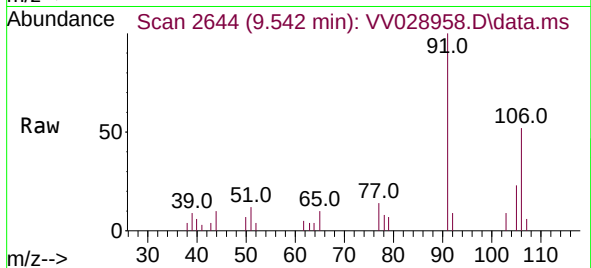




#54
o-Xylene
Concen: 0.094 ug/L
RT: 9.542 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

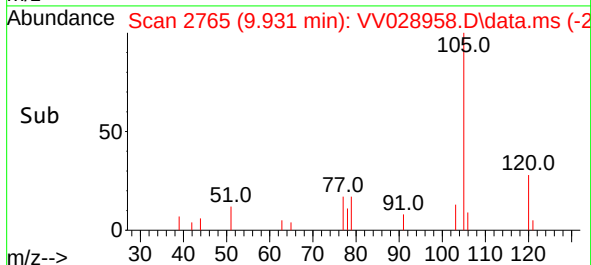
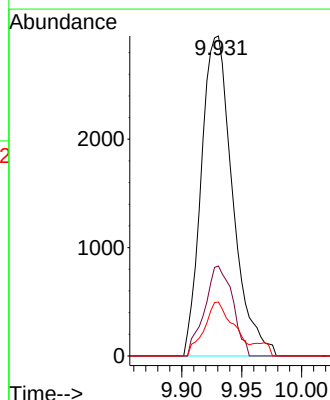
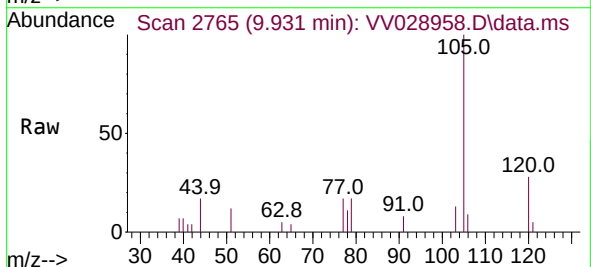
Instrument :
MSVOA_V
ClientSampleId :
H46B9

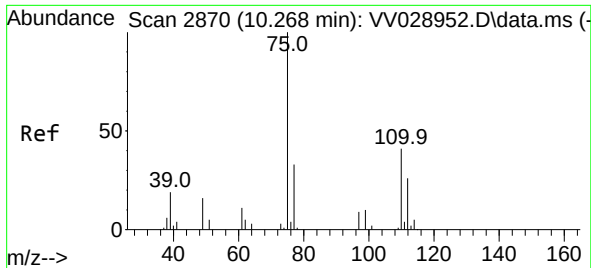
Tgt Ion:106 Resp: 3036
Ion Ratio Lower Upper
106 100
91 191.8 145.7 270.7



#60
Isopropylbenzene
Concen: 0.066 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.006 min
Lab File: VV028958.D
Acq: 14 Nov 2022 23:43

Tgt Ion:105 Resp: 5352
Ion Ratio Lower Upper
105 100
120 25.2 21.3 31.9
77 15.8 11.8 17.8





#61
 1,2,3-Trichloropropane
 Concen: 1.575 ug/L
 RT: 11.239 min Scan# 31
 Delta R.T. 0.971 min
 Lab File: VV028958.D
 Acq: 14 Nov 2022 23:43

Instrument :
 MSVOA_V
 ClientSampleId :
 H46B9

Tgt Ion: 75	Resp:	13525
Ion	Ratio	Lower Upper
75	100	
77	32.8	26.2 39.2
110	2.1	32.6 48.8#

