

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111722\
 Data File : VW029072.D
 Acq On : 17 Nov 2022 18:38
 Operator : SY/MD
 Sample : N5604-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46C8

Quant Time: Nov 18 01:44:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 01:37:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	203688	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.860	117	220252	5.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.246	152	111314	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	58147	4.683	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.587	69	52351	4.796	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.143	63	75260	3.326	ug/L	0.04
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.600%
20) 2-Butanone-d5	4.027	46	89985	43.289	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.580%
24) Chloroform-d	4.378	84	129168	5.066	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
26) 1,2-Dichloroethane-d4	5.056	65	58030	5.059	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.200%
32) Benzene-d6	5.063	84	242118	3.683	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.600%
36) 1,2-Dichloropropane-d6	6.066	67	60232	3.281	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.600%
41) Toluene-d8	7.333	98	284899	4.814	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	7.641	79	19116	3.193	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.127	63	99153	38.797	ug/L	0.04
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.600%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	62689	4.925	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.600%
66) 1,2-Dichlorobenzene-d4	11.619	152	110333	5.540	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	926	0.066	ug/L	85
5) Vinyl chloride	1.304	62	56234	3.498	ug/L	96
6) Bromomethane	1.536	94	534	0.056	ug/L	95
8) Chloroethane	1.606	64	1358	0.144	ug/L	86
12) 1,1-Dichloroethene	2.150	96	1260	0.102	ug/L #	1
14) Carbon disulfide	2.323	76	10531	0.241	ug/L #	92
17) Methyl tert-butyl Ether	2.812	73	398424	15.071	ug/L	96
18) trans-1,2-Dichloroethene	2.783	96	22601	1.580	ug/L	86
19) 1,1-Dichloroethane	3.211	63	17685	0.756	ug/L	95
22) cis-1,2-Dichloroethene	3.941	96	377294	25.950	ug/L	88
33) Benzene	5.108	78	24122	0.358	ug/L	100
34) Trichloroethene	5.899	95	6678	0.388	ug/L	95
35) Methylcyclohexane	6.066	83	19002	0.627	ug/L #	22
39) cis-1,3-Dichloropropene	7.002	75	1489	0.069	ug/L #	69
52) Ethylbenzene	9.024	91	2983	0.039	ug/L	86
53) m,p-Xylene	9.146	106	1428	0.047	ug/L	83
60) Isopropylbenzene	10.448	105	21389	0.296	ug/L	92
61) 1,2,3-Trichloropropane	11.243	75	11071	1.455	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.535	105	7389	0.121	ug/L	99

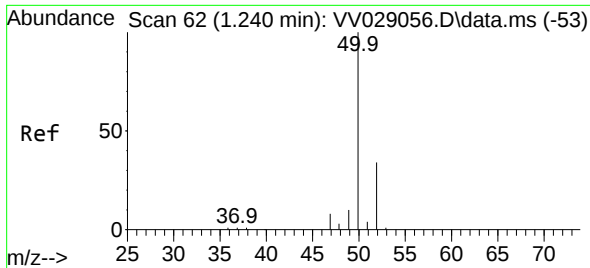
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111722\
Data File : VV029072.D
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 18 01:37:41 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.911	105	15530	0.253 ug/L	95

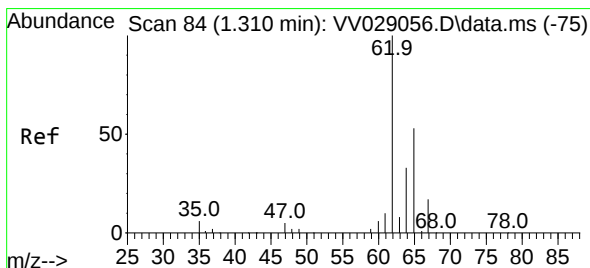
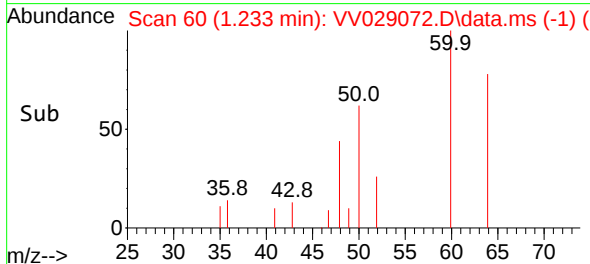
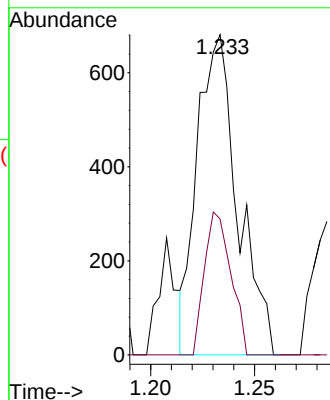
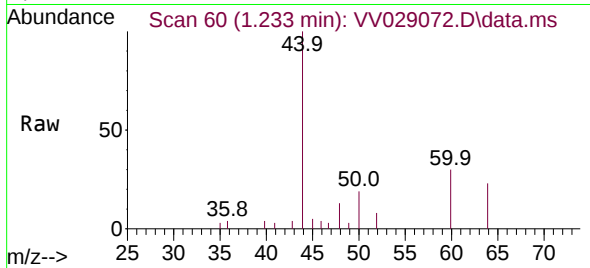
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.066 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.006 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

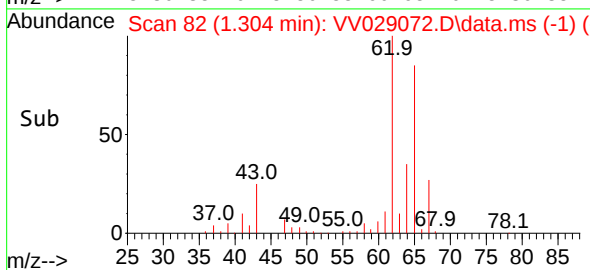
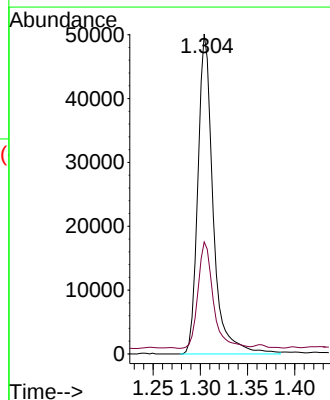
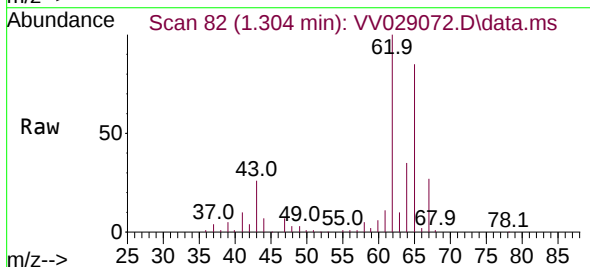
Instrument :
MSVOA_V
ClientSampleId :
H46C8

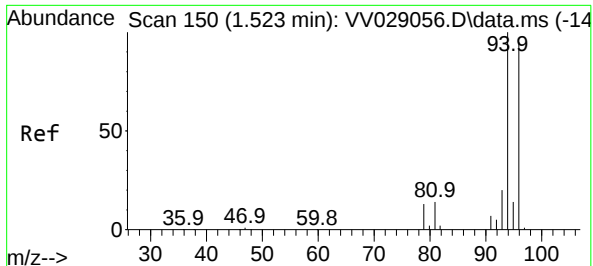
Tgt Ion: 50 Resp: 926
Ion Ratio Lower Upper
50 100
52 42.4 23.7 43.9



#5
Vinyl chloride
Concen: 3.498 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.006 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion: 62 Resp: 56234
Ion Ratio Lower Upper
62 100
64 35.0 22.8 42.4

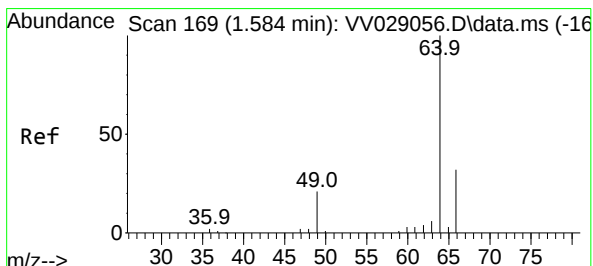
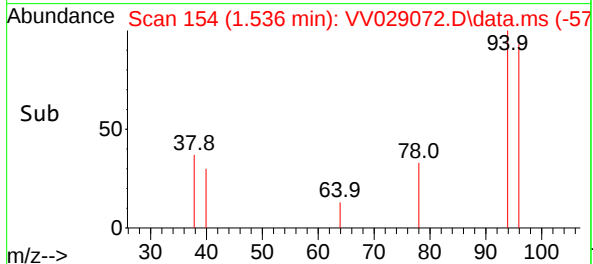
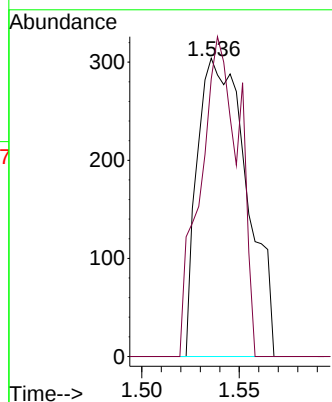
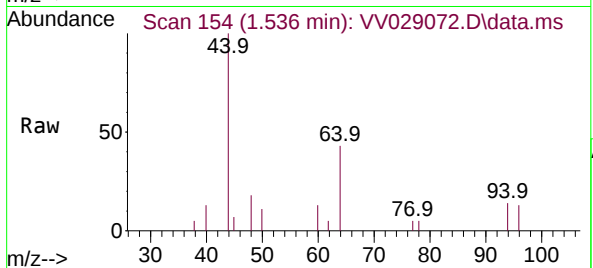




#6
Bromomethane
Concen: 0.056 ug/L
RT: 1.536 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

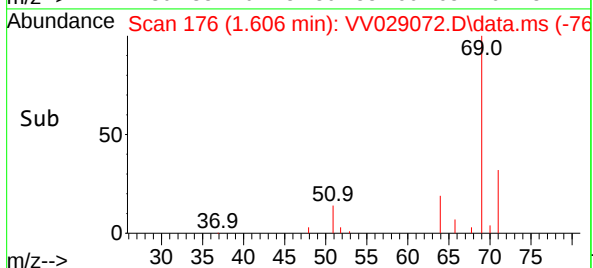
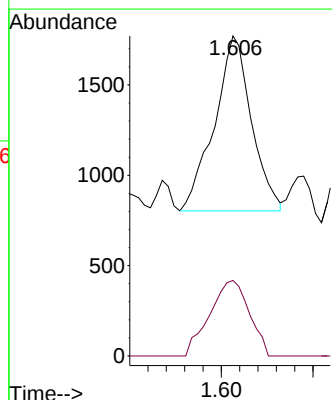
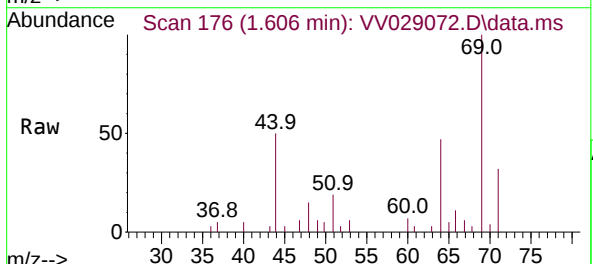
Instrument :
MSVOA_V
ClientSampleId :
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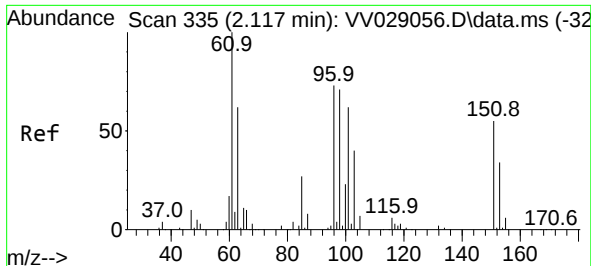
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 93.1 68.5 127.3



#8
Chloroethane
Concen: 0.144 ug/L
RT: 1.606 min Scan# 176
Delta R.T. 0.023 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion: 64 Resp: 1358
Ion Ratio Lower Upper
64 100
66 23.6 22.0 40.8

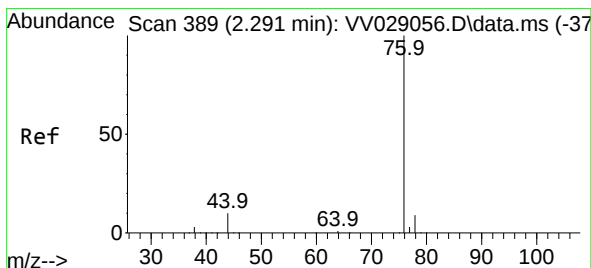
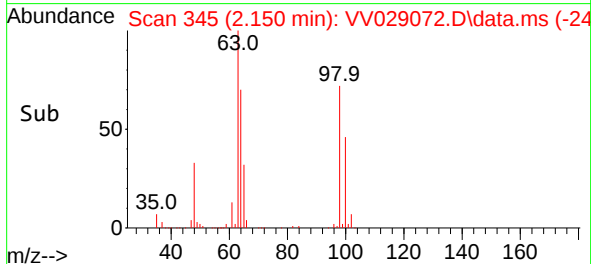
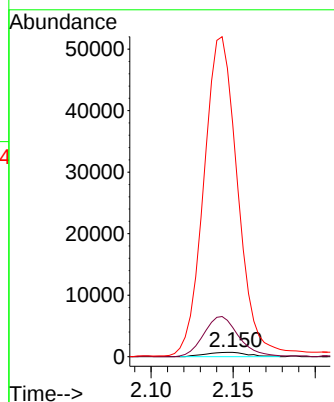
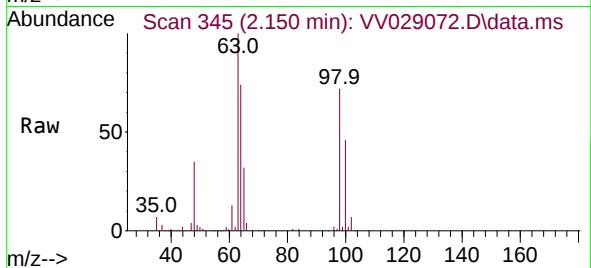




#12
 1,1-Dichloroethene
 Concen: 0.102 ug/L
 RT: 2.150 min Scan# 341
 Delta R.T. 0.032 min
 Lab File: VV029072.D
 Acq: 17 Nov 2022 18:38

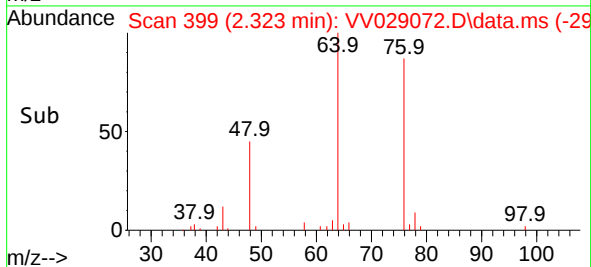
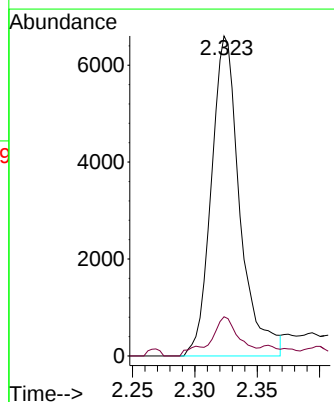
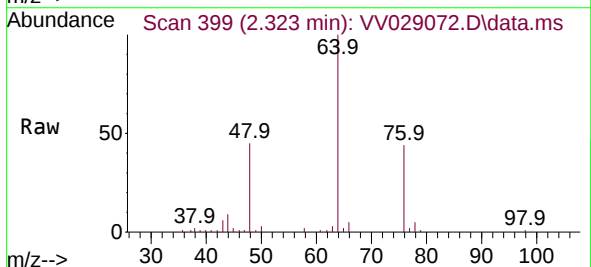
Instrument :
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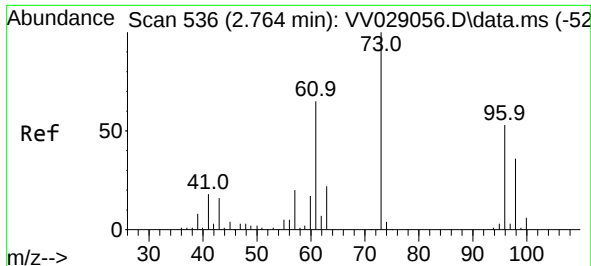
Tgt Ion: 96 Resp: 1260
 Ion Ratio Lower Upper
 96 100
 61 666.5 104.2 193.4#
 63 5315.0 75.9 140.9#



#14
 Carbon disulfide
 Concen: 0.241 ug/L
 RT: 2.323 min Scan# 399
 Delta R.T. 0.032 min
 Lab File: VV029072.D
 Acq: 17 Nov 2022 18:38

Tgt Ion: 76 Resp: 10531
 Ion Ratio Lower Upper
 76 100
 78 12.2 7.4 11.2#

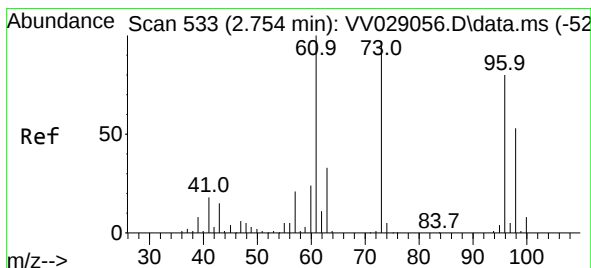
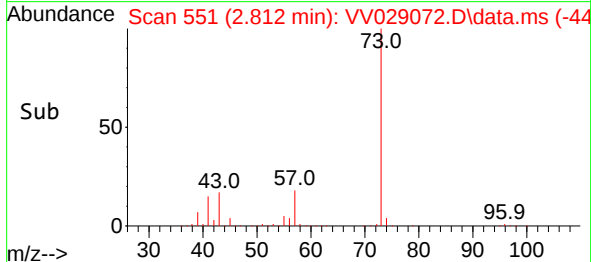
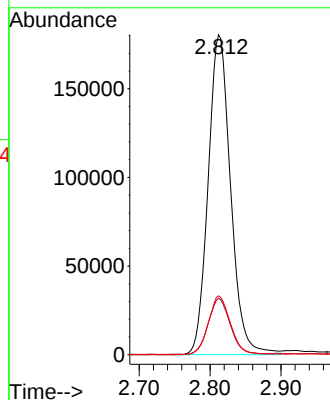
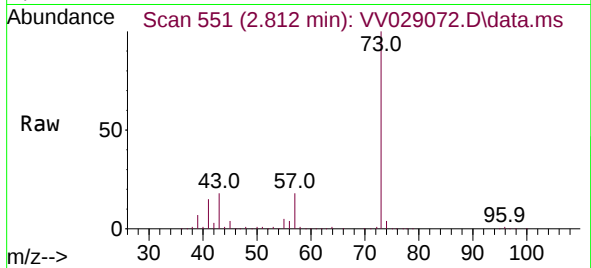




#17
Methyl tert-butyl Ether
Concen: 15.071 ug/L
RT: 2.812 min Scan# 51
Delta R.T. 0.048 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

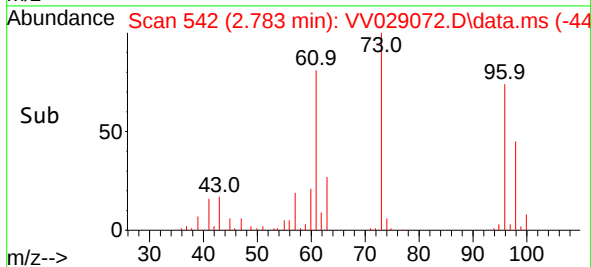
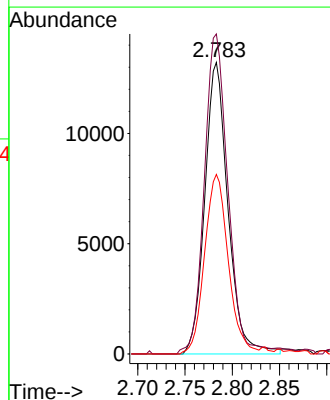
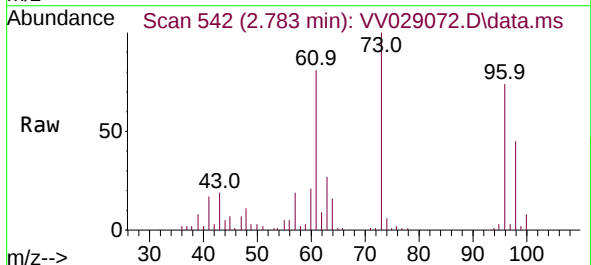
Instrument :
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ClientSampleId :
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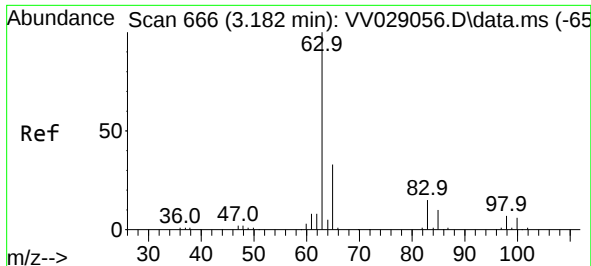
Tgt Ion: 73 Resp: 398424
Ion Ratio Lower Upper
73 100
43 17.1 13.0 19.4
57 17.9 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 1.580 ug/L
RT: 2.783 min Scan# 542
Delta R.T. 0.029 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion: 96 Resp: 22601
Ion Ratio Lower Upper
96 100
61 109.8 91.8 170.6
98 61.6 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.756 ug/L

RT: 3.211 min Scan# 61

Delta R.T. 0.029 min

Lab File: VV029072.D

Acq: 17 Nov 2022 18:38

Instrument :

MSVOA_V

ClientSampleId :

H46C8

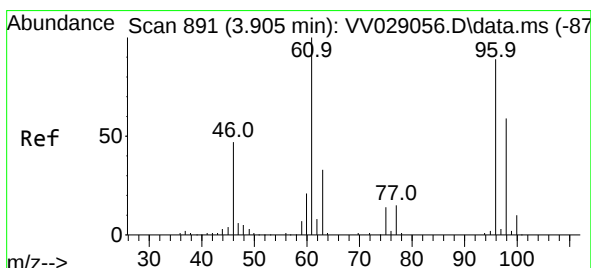
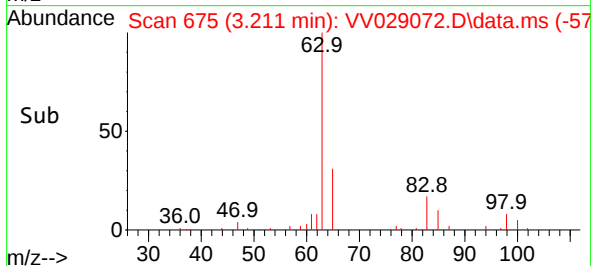
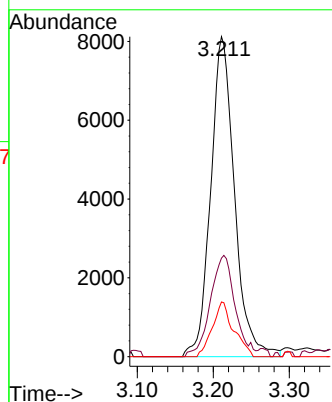
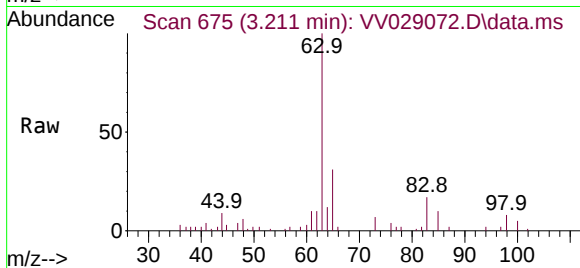
Tgt Ion: 63 Resp: 17685

Ion Ratio Lower Upper

63 100

65 30.8 23.0 42.6

83 17.1 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 25.950 ug/L

RT: 3.941 min Scan# 902

Delta R.T. 0.036 min

Lab File: VV029072.D

Acq: 17 Nov 2022 18:38

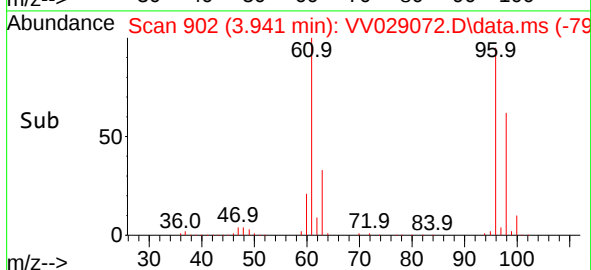
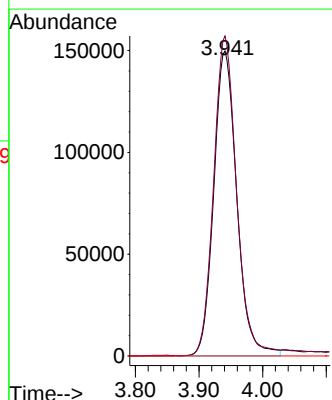
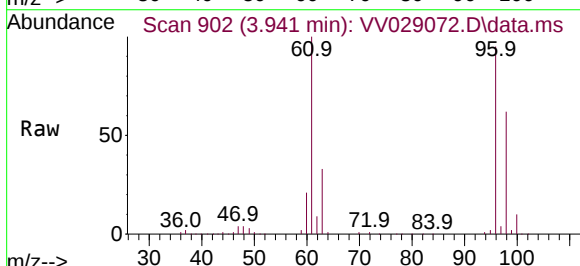
Tgt Ion: 96 Resp: 377294

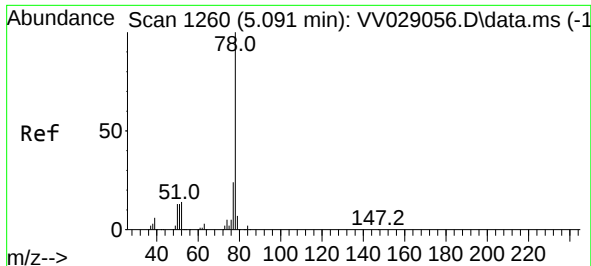
Ion Ratio Lower Upper

96 100

61 105.0 82.3 152.9

68 0.0 0.0 0.0

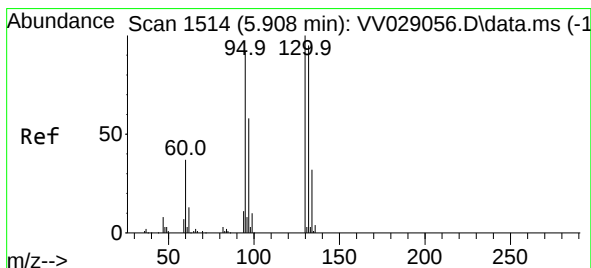
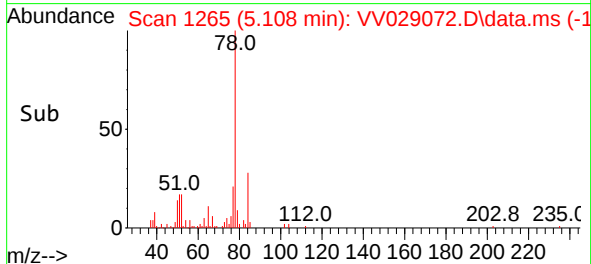
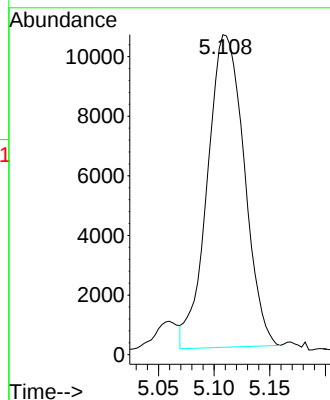
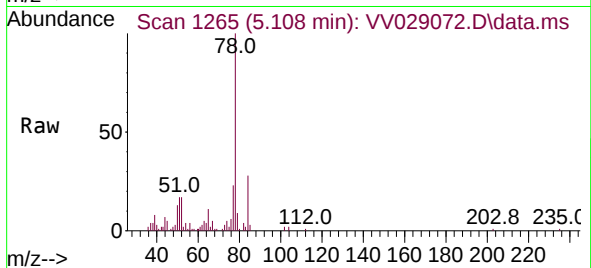




#33
Benzene
Concen: 0.358 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

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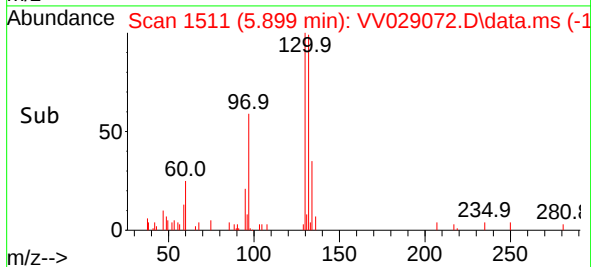
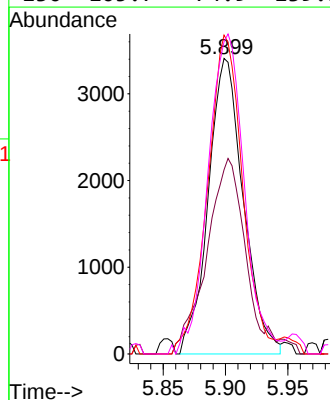
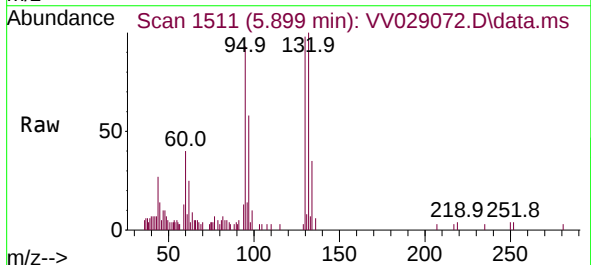
Tgt Ion: 78 Resp: 24122

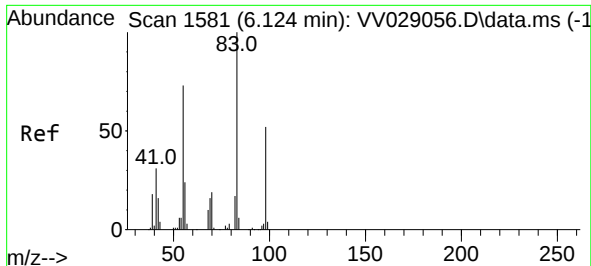


#34
Trichloroethene
Concen: 0.388 ug/L
RT: 5.899 min Scan# 1511
Delta R.T. -0.009 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion: 95 Resp: 6678

Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.6	84.8
132	107.9	69.1	128.3
130	105.7	74.9	139.1





#35

Methylcyclohexane

Concen: 0.627 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV029072.D

Acq: 17 Nov 2022 18:38

Instrument :

MSVOA_V

ClientSampleId :

H46C8

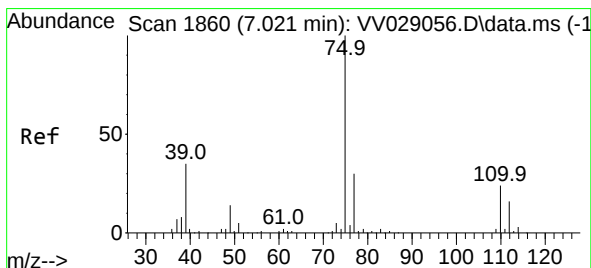
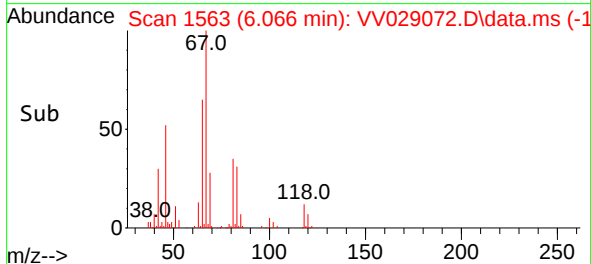
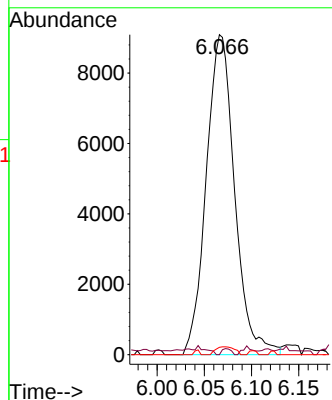
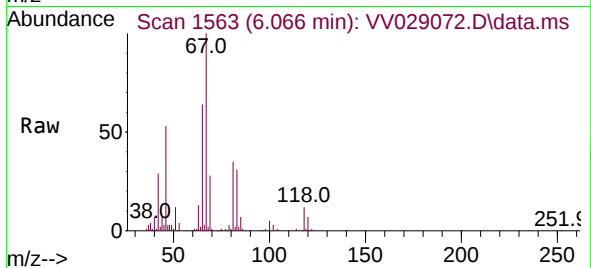
Tgt Ion: 83 Resp: 19002

Ion Ratio Lower Upper

83 100

55 0.6 55.8 83.6#

98 1.6 38.2 57.2#



#39

cis-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 7.002 min Scan# 1854

Delta R.T. -0.019 min

Lab File: VV029072.D

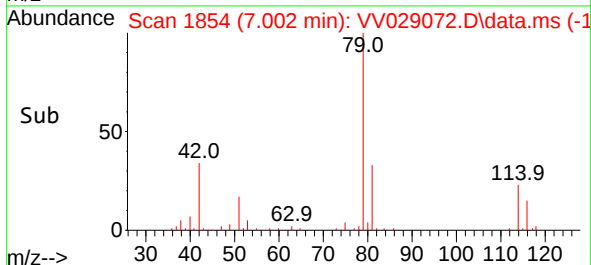
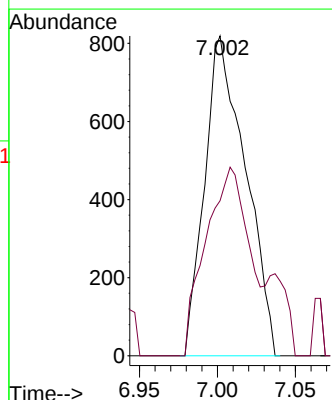
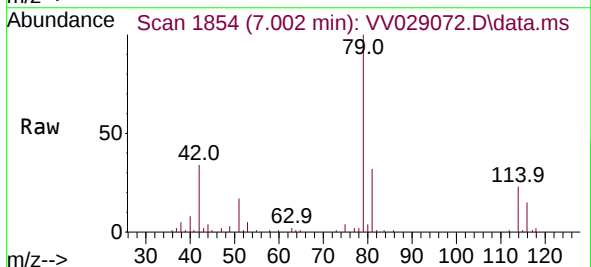
Acq: 17 Nov 2022 18:38

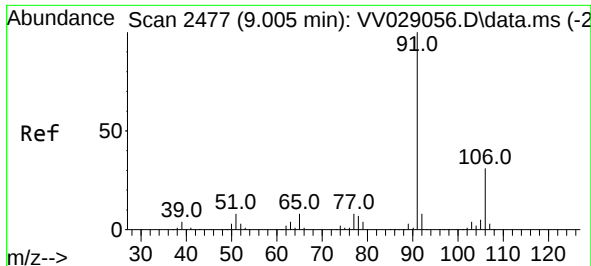
Tgt Ion: 75 Resp: 1489

Ion Ratio Lower Upper

75 100

77 48.5 21.8 40.6#

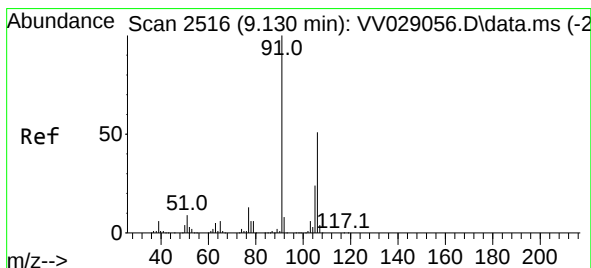
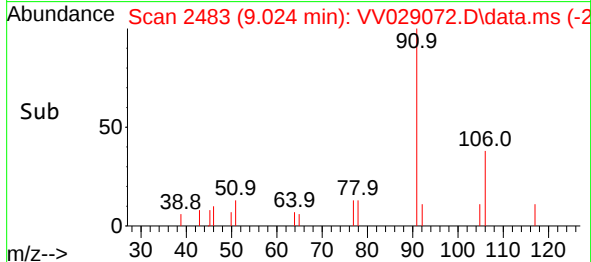
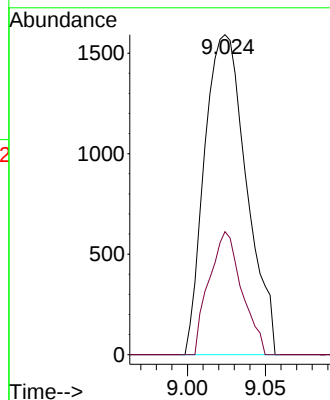
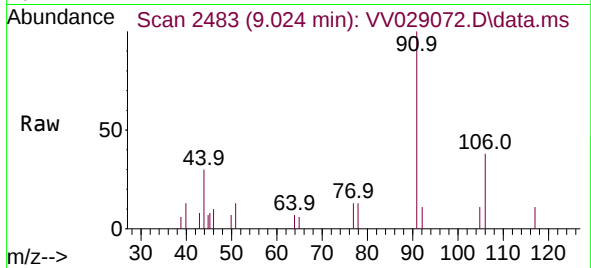




#52
Ethylbenzene
Concen: 0.039 ug/L
RT: 9.024 min Scan# 2477
Delta R.T. 0.020 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

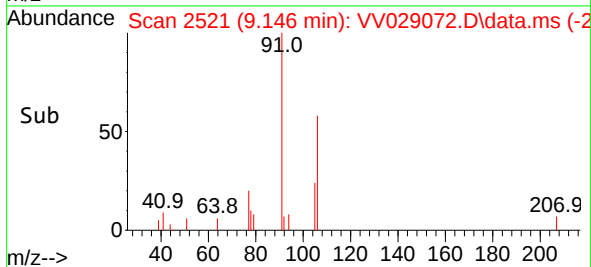
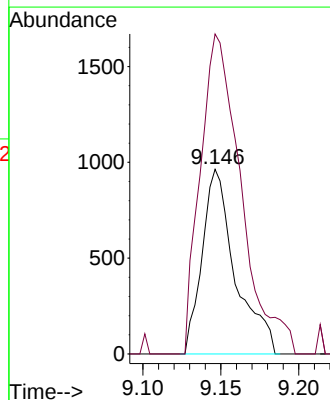
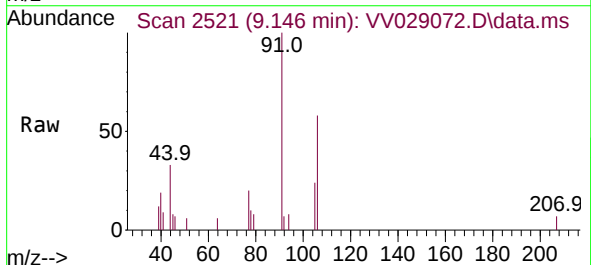
Instrument :
MSVOA_V
ClientSampleId :
H46C8

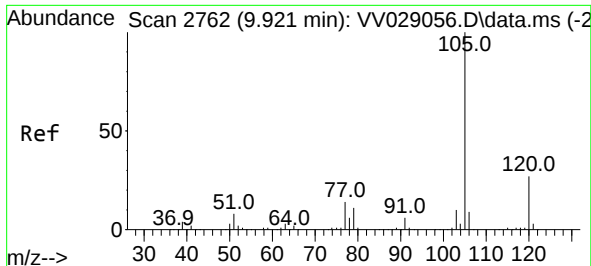
Tgt Ion: 91 Resp: 2983
Ion Ratio Lower Upper
91 100
106 38.4 21.6 40.2



#53
m,p-Xylene
Concen: 0.047 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.016 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion: 106 Resp: 1428
Ion Ratio Lower Upper
106 100
91 173.2 139.1 258.3

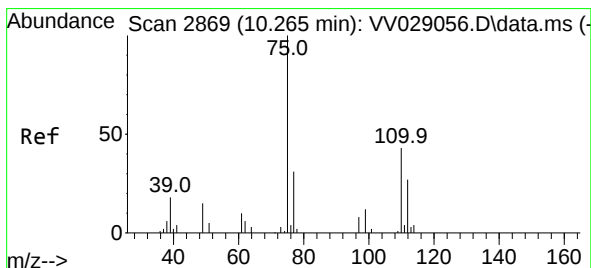
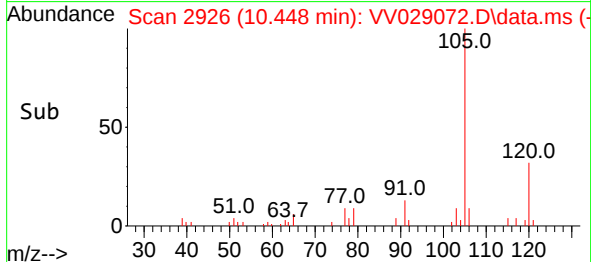
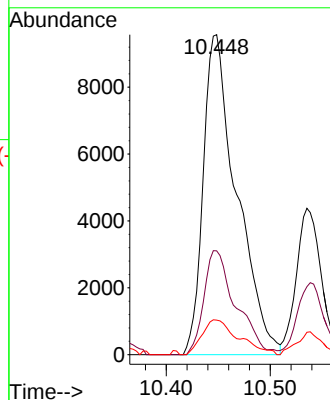
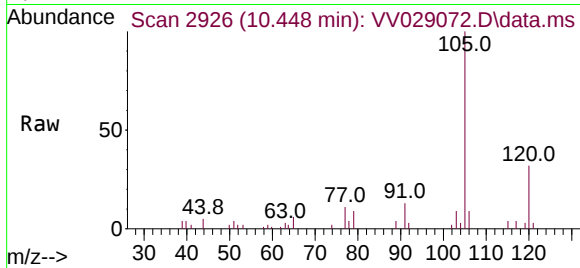




#60
Isopropylbenzene
Concen: 0.296 ug/L
RT: 10.448 min Scan# 21389
Delta R.T. 0.528 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

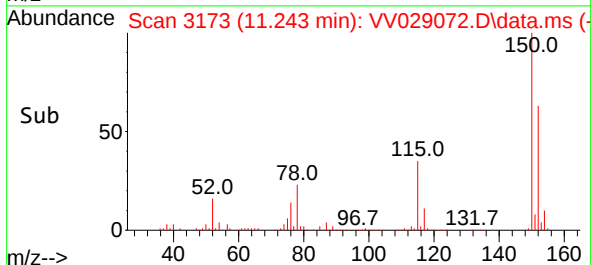
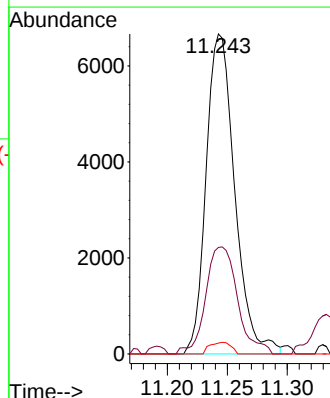
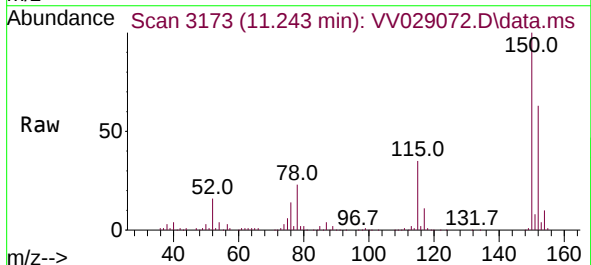
Instrument :
MSVOA_V
ClientSampleId :
H46C8

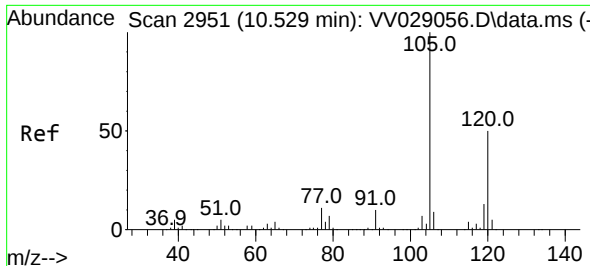
Tgt Ion:	105	Resp:	21389
Ion Ratio	Lower	Upper	
105	100		
120	31.1	21.3	31.9
77	11.9	11.8	17.8



#61
1,2,3-Trichloropropane
Concen: 1.455 ug/L
RT: 11.243 min Scan# 3173
Delta R.T. 0.978 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion:	75	Resp:	11071
Ion Ratio	Lower	Upper	
75	100		
77	37.2	26.2	39.2
110	2.7	32.6	48.8#

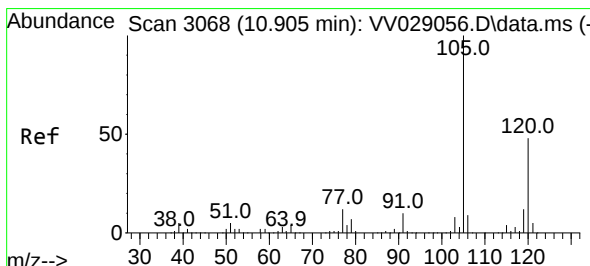
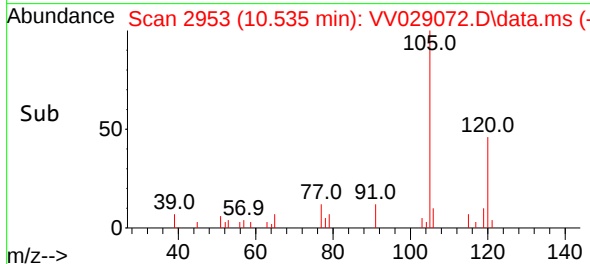
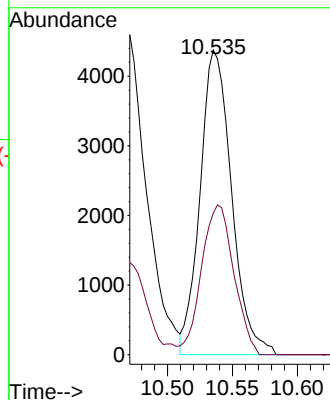
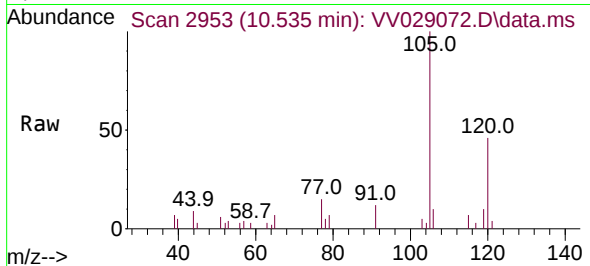




#62
1,3,5-Trimethylbenzene
Concen: 0.121 ug/L
RT: 10.535 min Scan# 2951
Delta R.T. 0.007 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Instrument :
MSVOA_V
ClientSampleId :
H46C8

Tgt Ion:105 Resp: 7389
Ion Ratio Lower Upper
105 100
120 50.6 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 0.253 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. 0.007 min
Lab File: VV029072.D
Acq: 17 Nov 2022 18:38

Tgt Ion:105 Resp: 15530
Ion Ratio Lower Upper
105 100
120 43.6 37.8 56.8

