

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023699.D
 Acq On : 24 Nov 2021 14:41
 Operator : SY/MD
 Sample : M4821-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:53:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 26 01:51:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	143069	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	139967	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69775	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	45579	3.881	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.568	69	38153	4.133	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.108	63	61999	2.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.889	46	91559	64.848	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.700%
24) Chloroform-d	4.349	84	87948	4.300	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	5.037	65	44027	4.608	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.053	84	167370	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.069	67	48893	4.574	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.400%
41) Toluene-d8	7.317	98	148702	4.174	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.625	79	18862	4.378	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.088	63	71171	49.717	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35142	4.569	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	60246	4.884	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	23025	1.858	ug/L	98
8) Chloroethane	1.468	64	172468	21.961	ug/L #	52
12) 1,1-Dichloroethene	2.114	96	1036	0.108	ug/L #	1
13) Acetone	2.185	43	4090	3.219	ug/L	71
14) Carbon disulfide	2.301	76	1713	0.053	ug/L #	74
15) Methyl Acetate	2.433	43	1607	0.557	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	740643	37.703	ug/L	100
18) trans-1,2-Dichloroethene	2.764	96	36444	3.338	ug/L	99
19) 1,1-Dichloroethane	3.191	63	21389	1.165	ug/L	99
22) cis-1,2-Dichloroethene	3.912	96	90245	8.619	ug/L	97
33) Benzene	5.101	78	13786	0.345	ug/L	100
34) Trichloroethene	5.918	95	14883	1.392	ug/L	93
35) Methylcyclohexane	6.069	83	13203	0.792	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	5822	0.614	ug/L #	84
40) 4-Methyl-2-pentanone	7.239	43	3639	0.804	ug/L #	81
42) Toluene	7.397	91	5186	0.120	ug/L	94
52) Ethylbenzene	9.017	91	7682	0.170	ug/L	98
53) m,p-xylene	9.146	106	2300	0.128	ug/L	100
54) o-xylene	9.548	106	3081	0.180	ug/L	96

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ALS Vial : 8 Sample Multiplier: 1

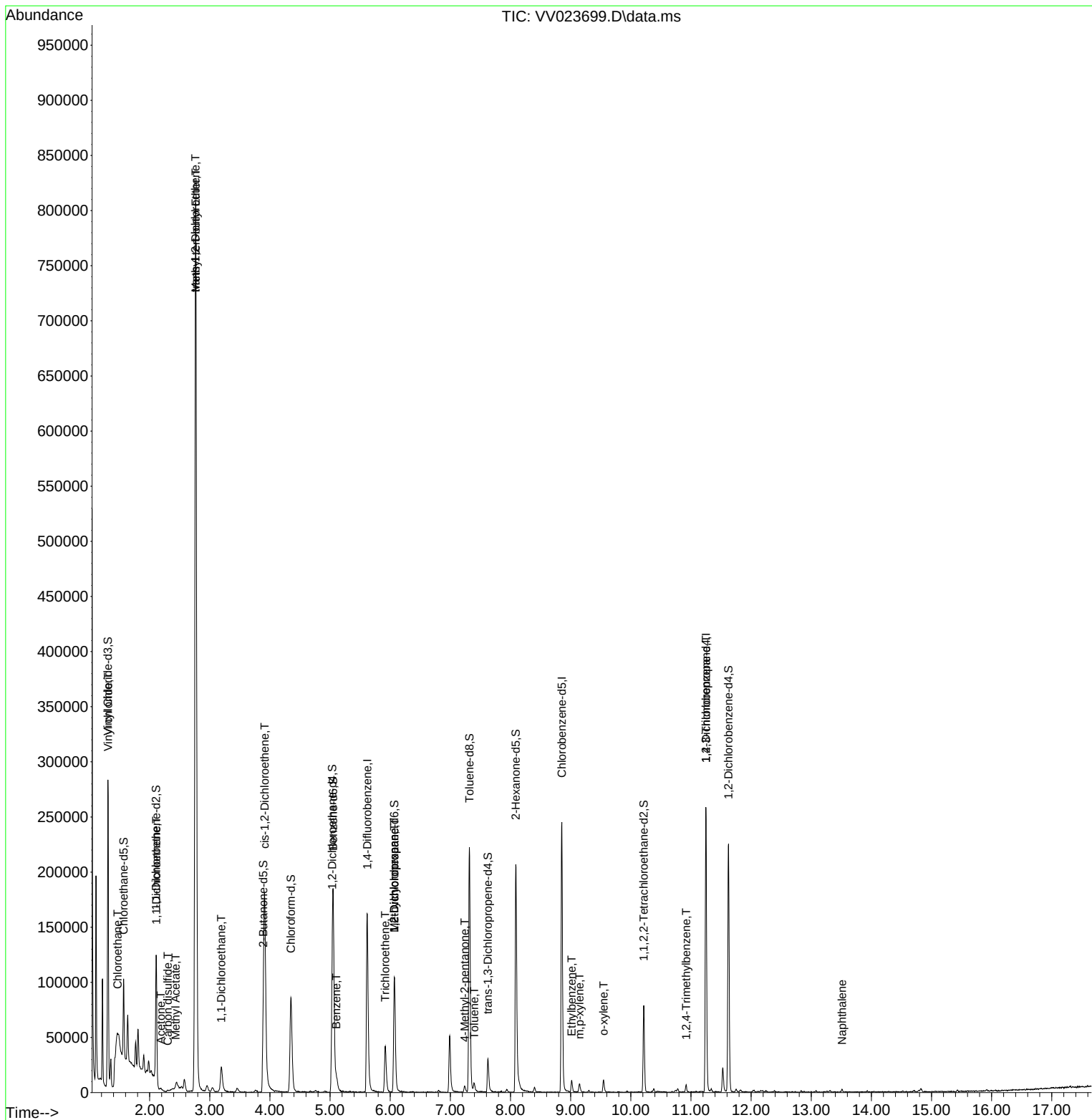
Instrument :
MSVOA_V
ClientSampleId :

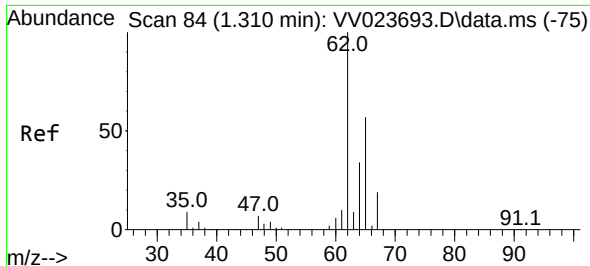
Quant Time: Nov 26 01:53:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 01:51:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	7741	1.564	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.921	105	3600	0.105	ug/L	99
71) Naphthalene	13.512	128	1880	0.108	ug/L #	90

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

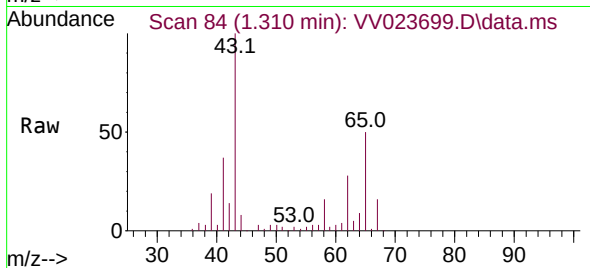
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
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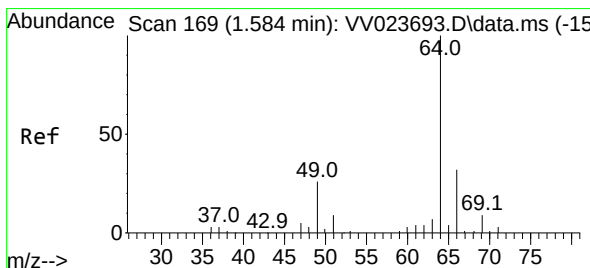
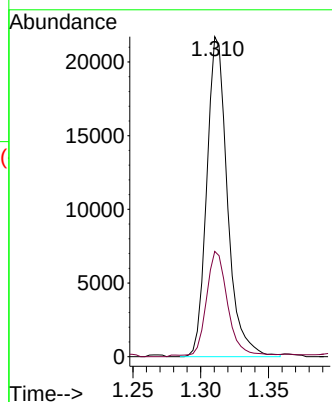
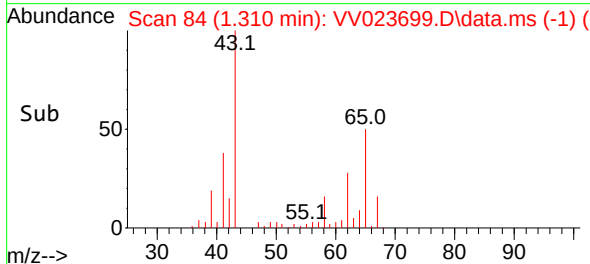


#5
 Vinyl chloride
 Concen: 1.858 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023699.D
 Acq: 24 Nov 2021 14:41

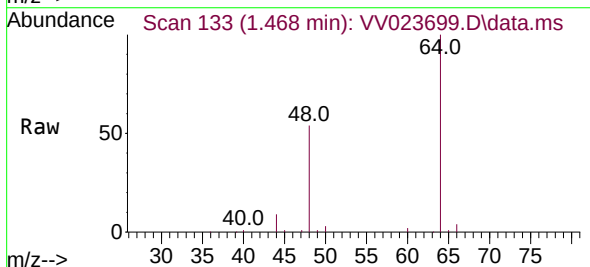
Instrument :
 MSVOA_V
 ClientSampleId :



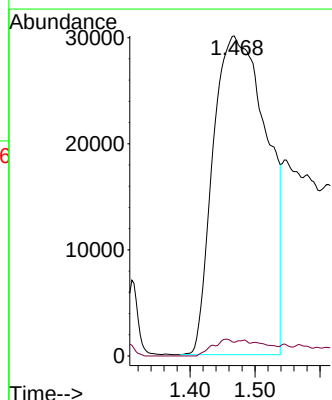
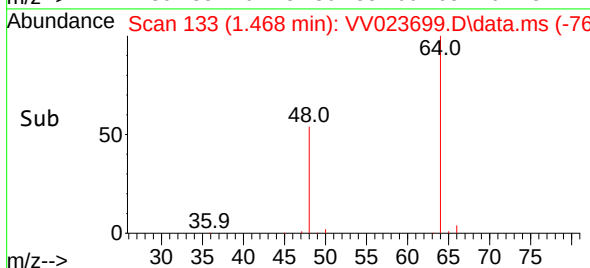
Tgt Ion: 62 Resp: 23025
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.4 41.6

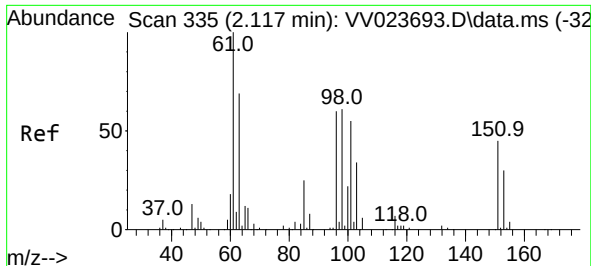


#8
 Chloroethane
 Concen: 21.961 ug/L
 RT: 1.468 min Scan# 133
 Delta R.T. -0.116 min
 Lab File: VV023699.D
 Acq: 24 Nov 2021 14:41



Tgt Ion: 64 Resp: 172468
 Ion Ratio Lower Upper
 64 100
 66 4.2 21.4 39.8#

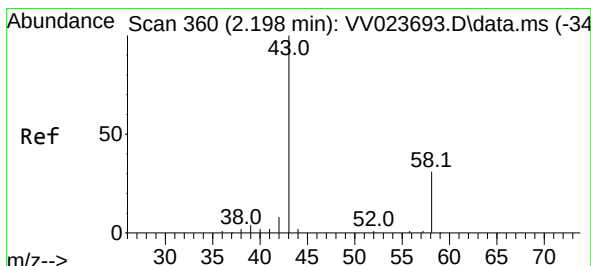
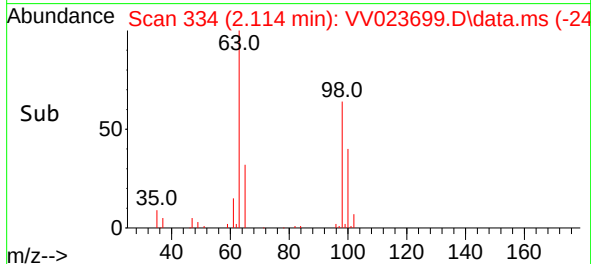
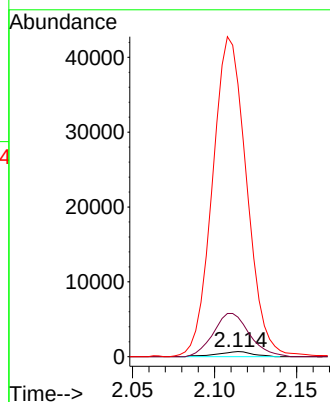
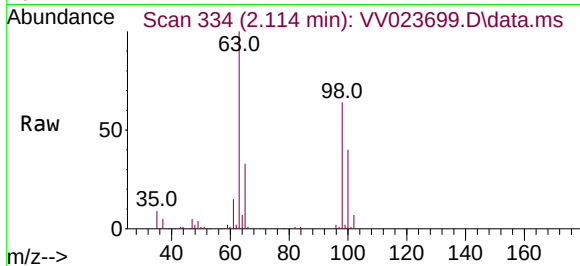




#12
1,1-Dichloroethene
Concen: 0.108 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

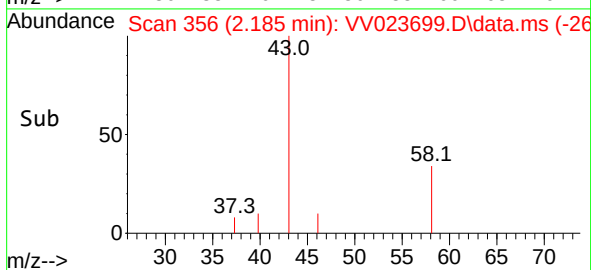
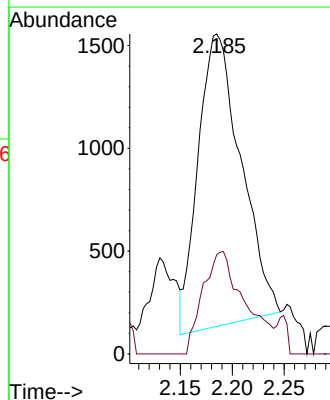
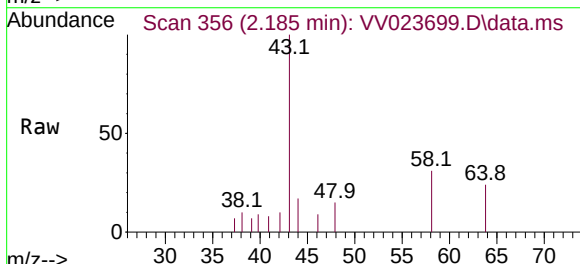
Instrument :
MSVOA_V
ClientSampleId :

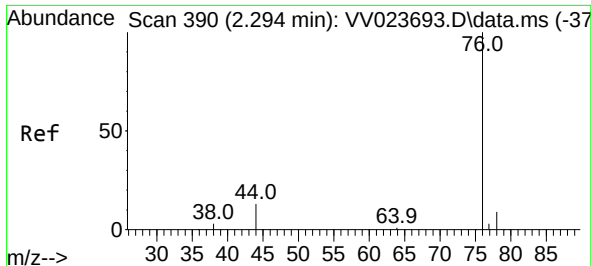
Tgt Ion: 96 Resp: 1036
Ion Ratio Lower Upper
96 100
61 762.0 116.1 215.5#
63 5248.4 79.4 147.4#



#13
Acetone
Concen: 3.219 ug/L
RT: 2.185 min Scan# 356
Delta R.T. -0.013 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
58 34.4 0.0 41.4

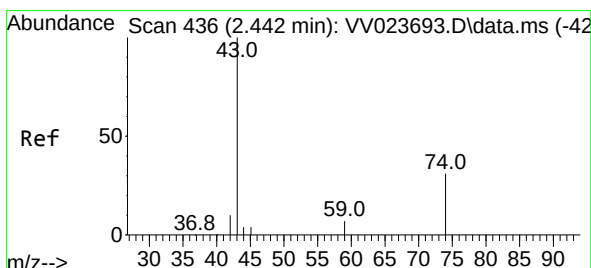
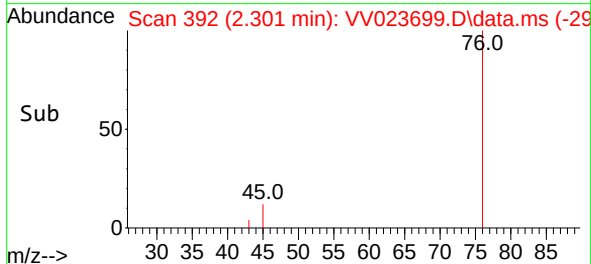
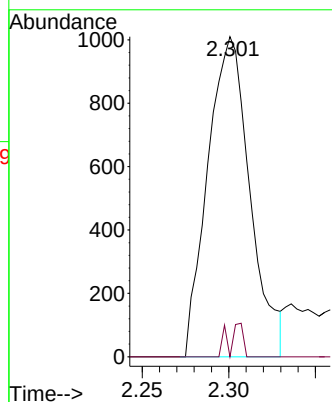
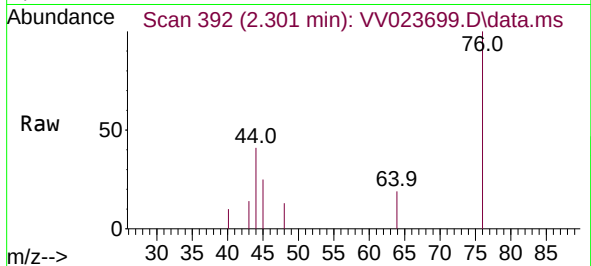




#14
Carbon disulfide
Concen: 0.053 ug/L
RT: 2.301 min Scan# 391
Delta R.T. 0.006 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

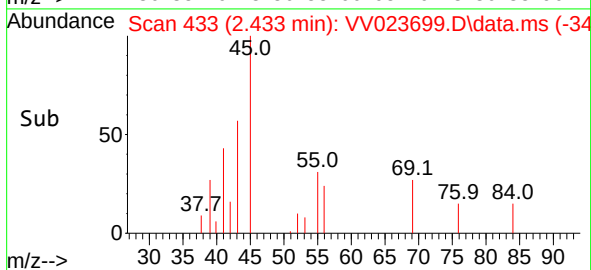
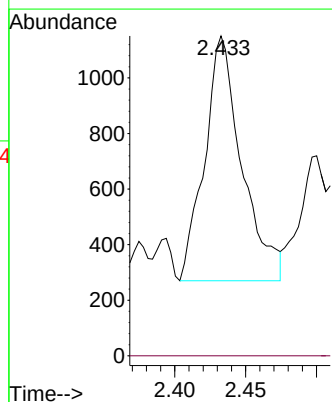
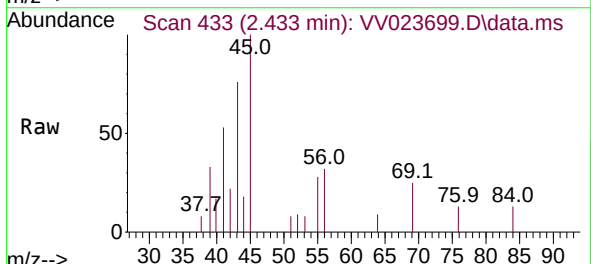
Instrument :
MSVOA_V
ClientSampleId :

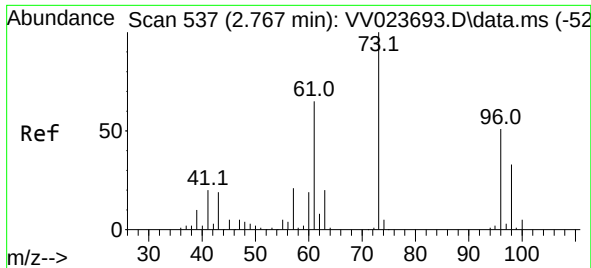
Tgt Ion: 76 Resp: 1713
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#15
Methyl Acetate
Concen: 0.557 ug/L
RT: 2.433 min Scan# 433
Delta R.T. -0.010 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

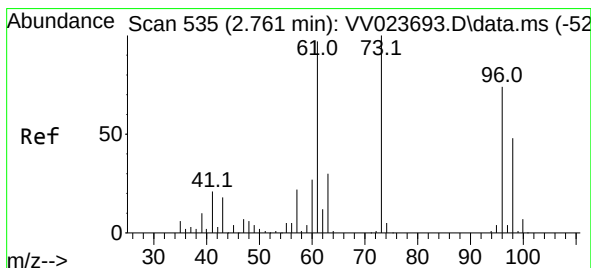
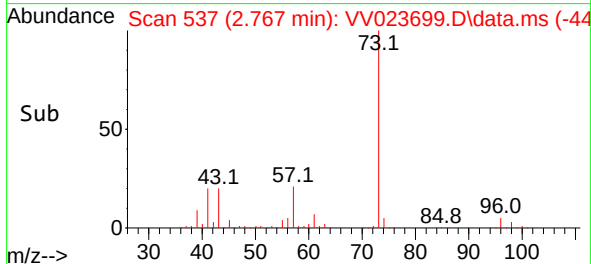
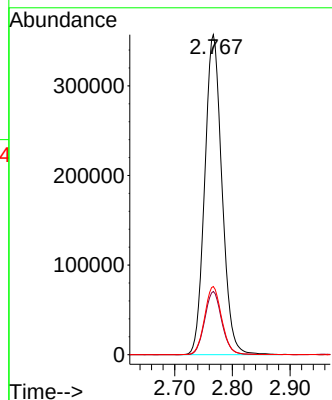
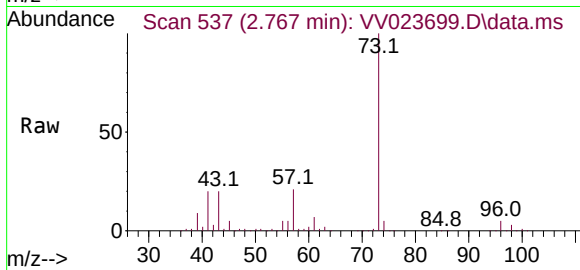




#17
Methyl tert-butyl Ether
Concen: 37.703 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

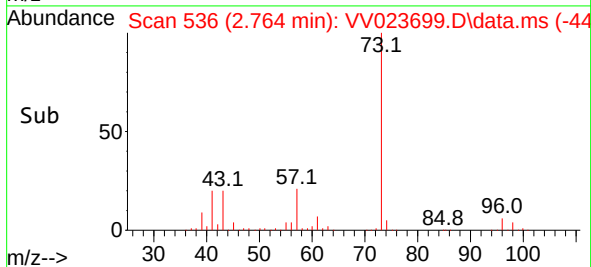
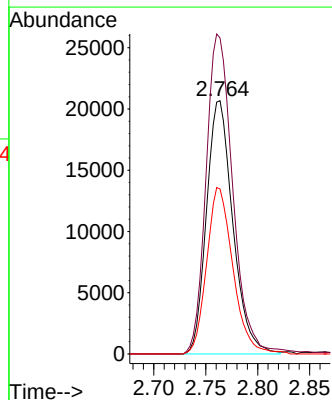
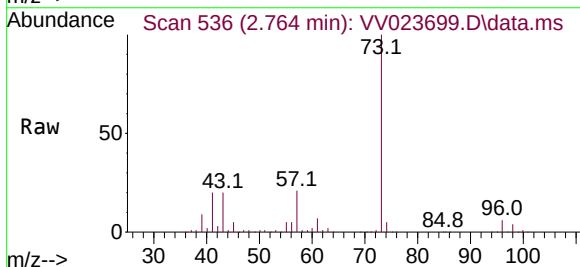
Instrument :
MSVOA_V
ClientSampleId :

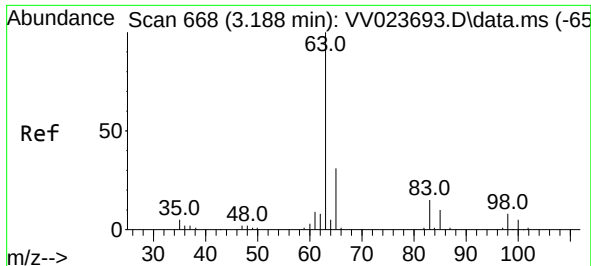
Tgt Ion: 73 Resp: 740643
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 21.2 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 3.338 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion: 96 Resp: 36444
Ion Ratio Lower Upper
96 100
61 124.8 88.2 163.8
98 65.1 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.165 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

Instrument :

MSVOA_V

ClientSampleId :

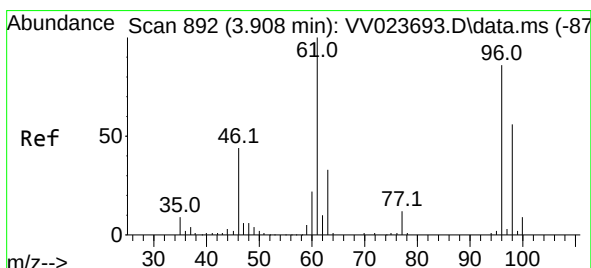
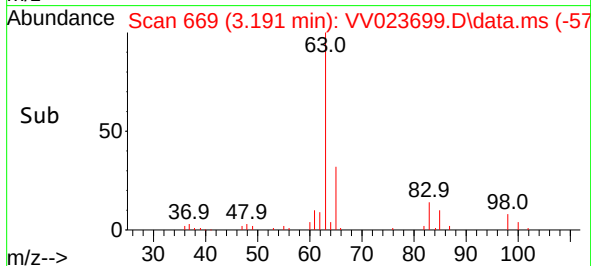
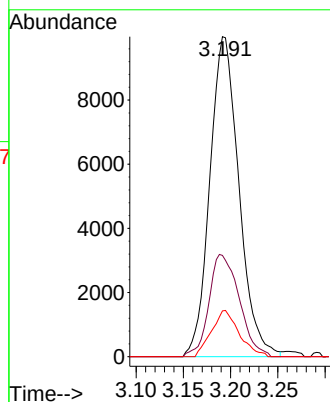
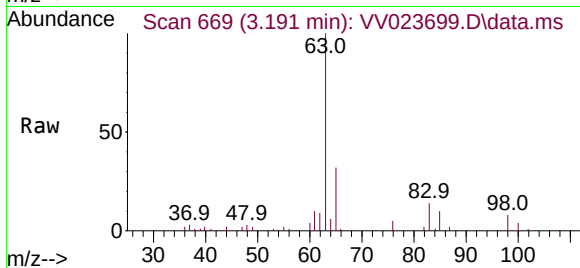
Tgt Ion: 63 Resp: 21389

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

83 14.3 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 8.619 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.003 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

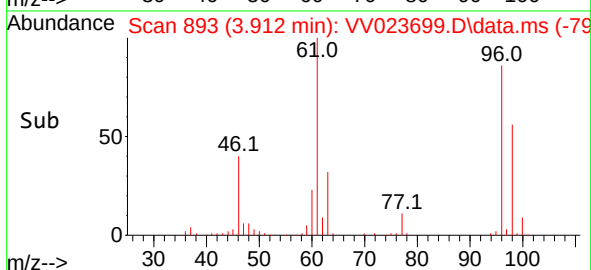
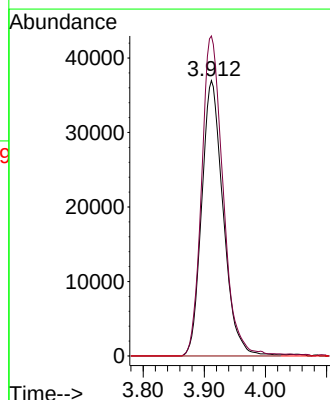
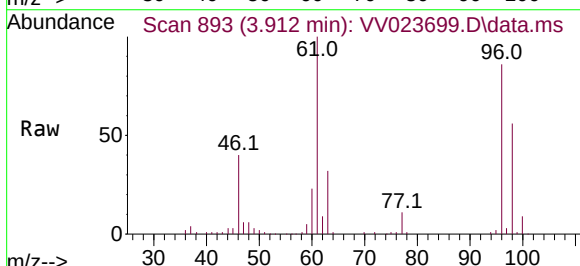
Tgt Ion: 96 Resp: 90245

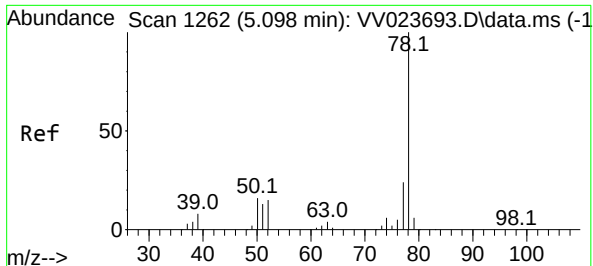
Ion Ratio Lower Upper

96 100

61 116.2 83.4 154.8

68 0.0 0.0 0.0

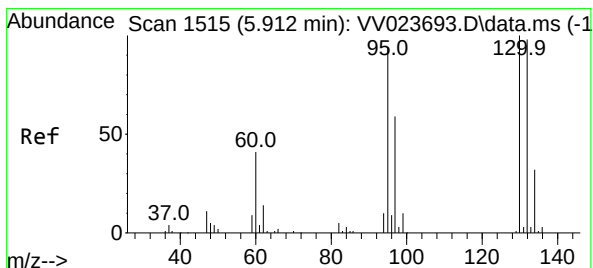
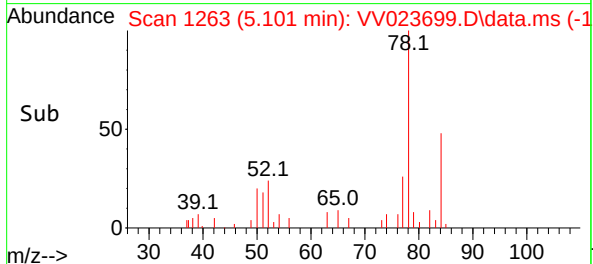
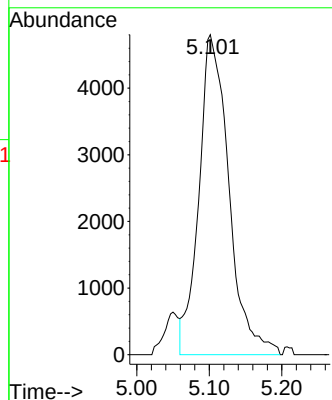
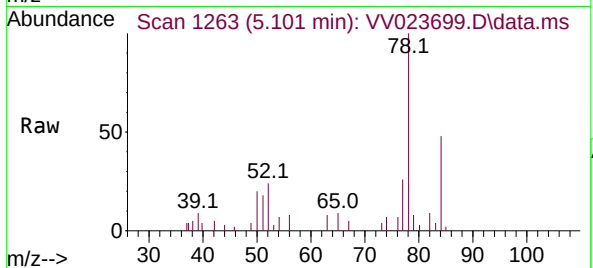




#33
Benzene
Concen: 0.345 ug/L
RT: 5.101 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Instrument :
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ClientSampleId :

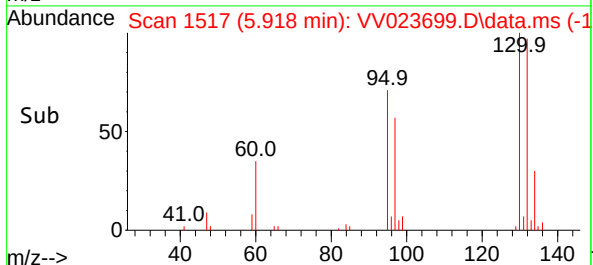
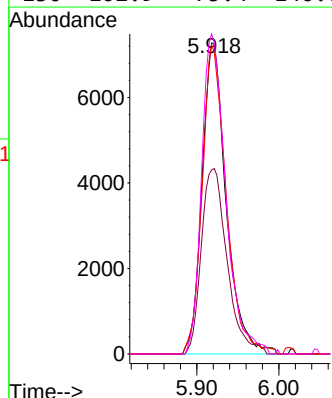
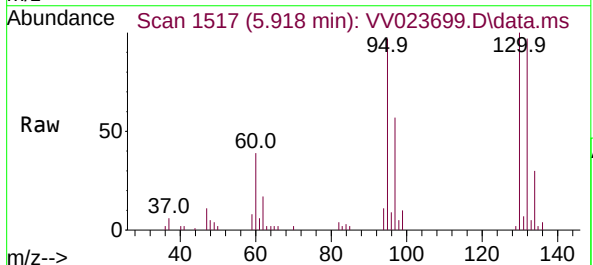
Tgt Ion: 78 Resp: 13786

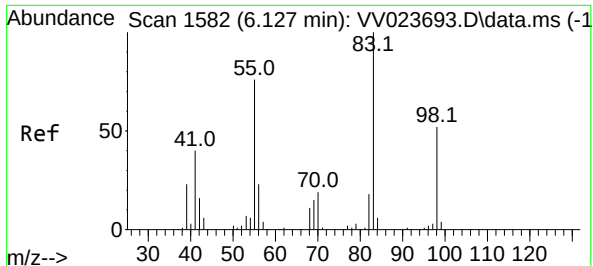


#34
Trichloroethene
Concen: 1.392 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion: 95 Resp: 14883

Ion	Ratio	Lower	Upper
95	100		
97	59.1	45.2	84.0
132	99.5	76.1	141.3
130	102.9	75.4	140.0





#35

Methylcyclohexane

Concen: 0.792 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

Instrument :

MSVOA_V

ClientSampleId :

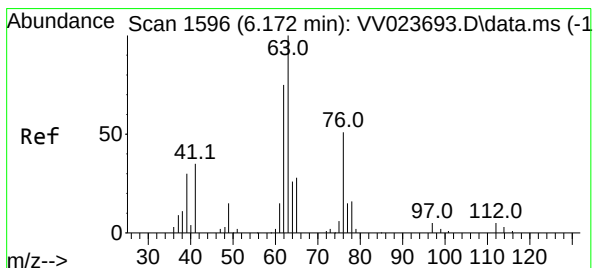
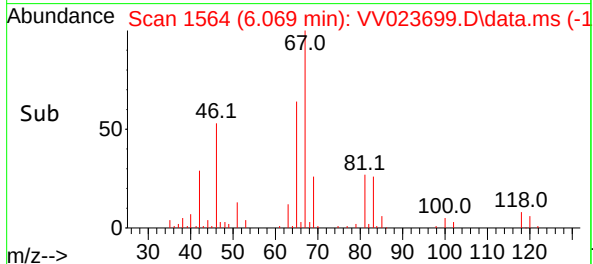
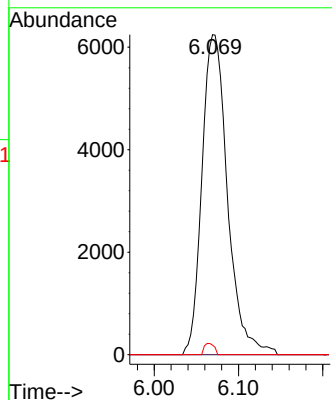
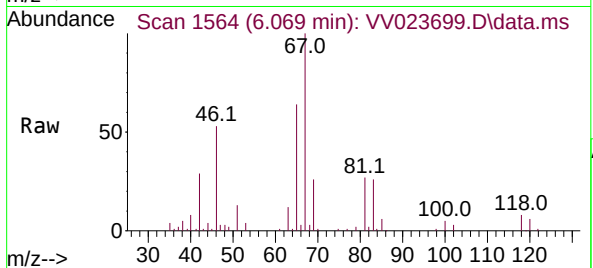
Tgt Ion: 83 Resp: 13203

Ion Ratio Lower Upper

83 100

55 0.5 60.2 90.2#

98 1.4 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.614 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV023699.D

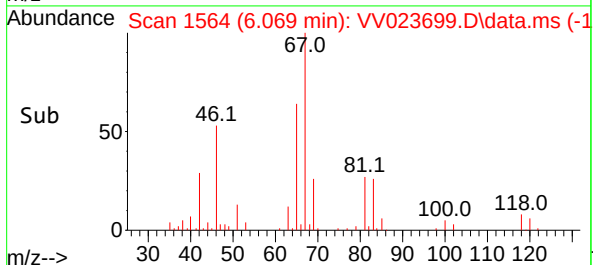
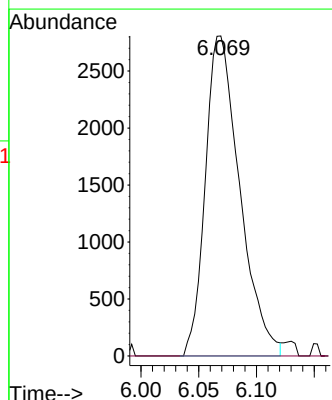
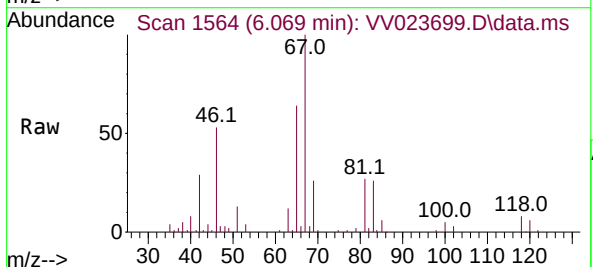
Acq: 24 Nov 2021 14:41

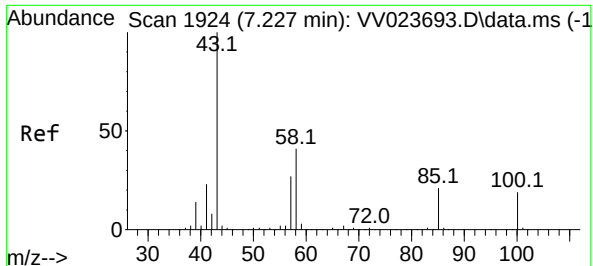
Tgt Ion: 63 Resp: 5822

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#40

4-Methyl-2-pentanone

Concen: 0.804 ug/L

RT: 7.239 min Scan# 1924

Delta R.T. 0.013 min

Lab File: VV023699.D

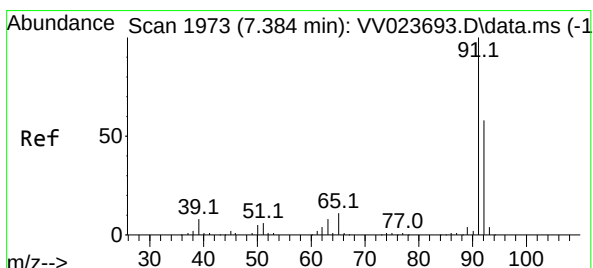
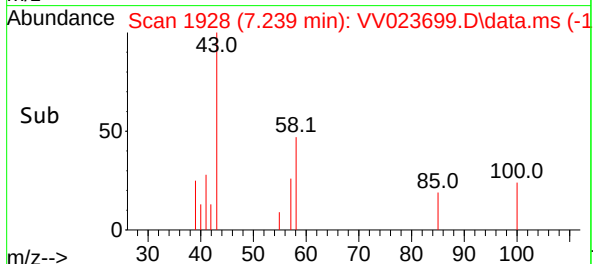
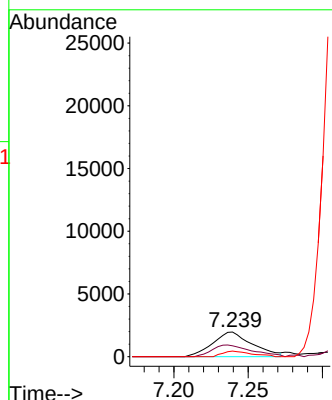
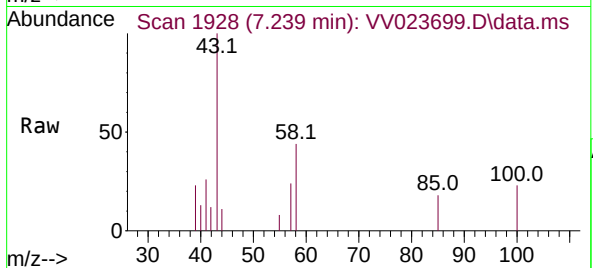
Acq: 24 Nov 2021 14:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	43	Resp:	3639
Ion	Ratio	Lower	Upper
43	100		
58	47.2	32.3	48.5
100	0.0	13.0	19.6



#42

Toluene

Concen: 0.120 ug/L

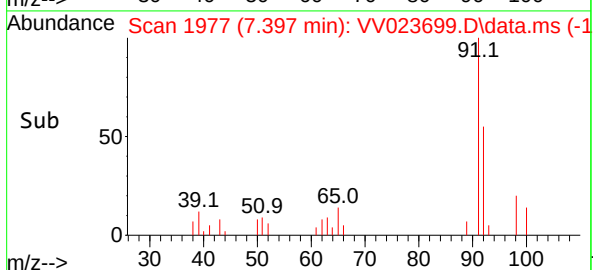
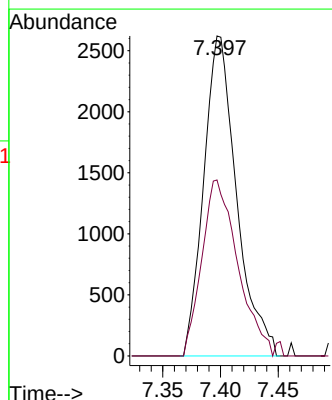
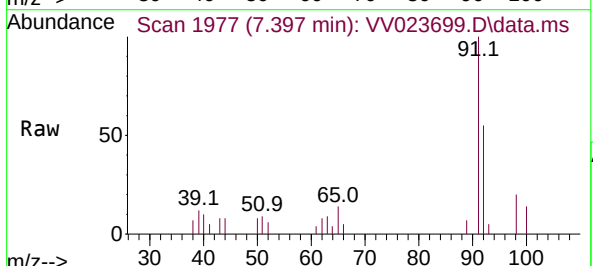
RT: 7.397 min Scan# 1977

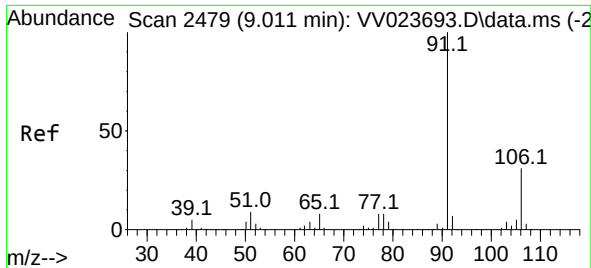
Delta R.T. 0.013 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

Tgt Ion:	91	Resp:	5186
Ion	Ratio	Lower	Upper
91	100		
92	55.0	41.5	77.1

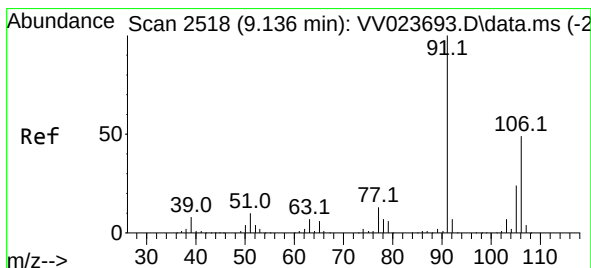
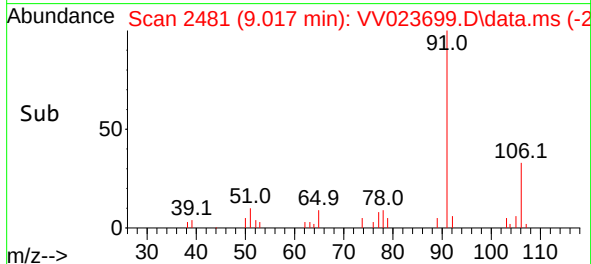
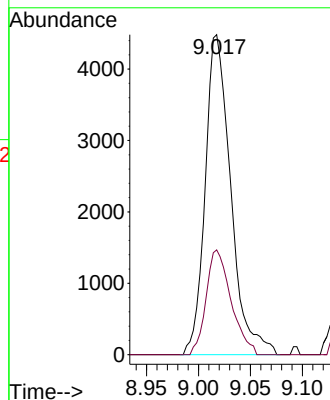
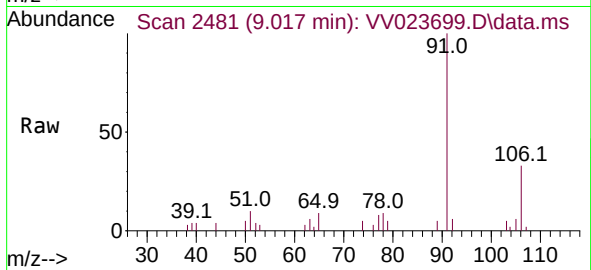




#52
Ethylbenzene
Concen: 0.170 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.006 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

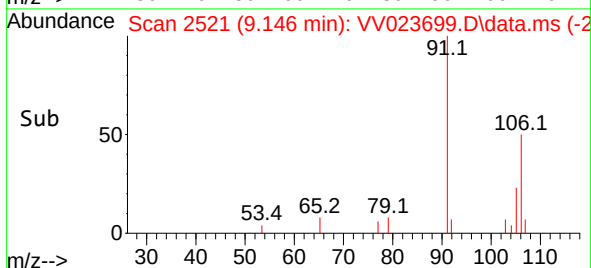
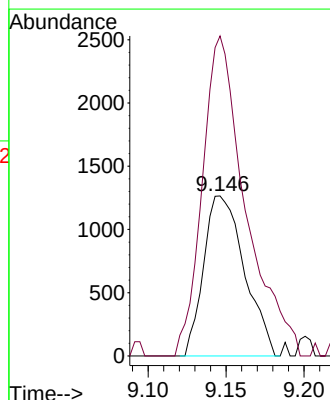
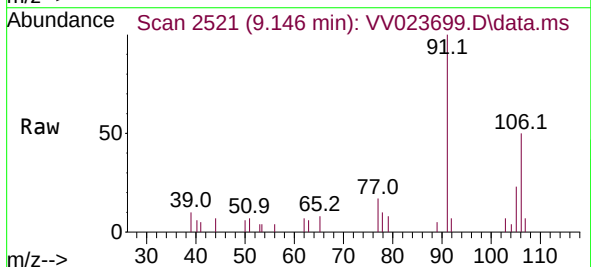
Instrument :
MSVOA_V
ClientSampleId :

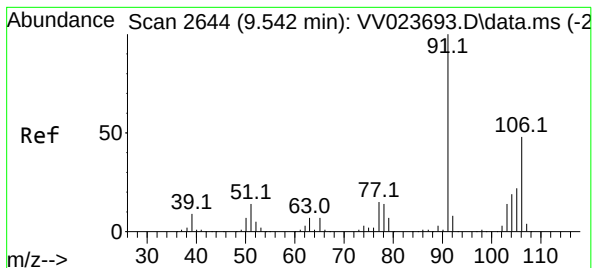
Tgt Ion: 91 Resp: 7682
Ion Ratio Lower Upper
91 100
106 32.8 22.0 41.0



#53
m,p-xylene
Concen: 0.128 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion: 106 Resp: 2300
Ion Ratio Lower Upper
106 100
91 200.0 139.5 259.1





#54

o-xylene

Concen: 0.180 ug/L

RT: 9.548 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

Instrument :

MSVOA_V

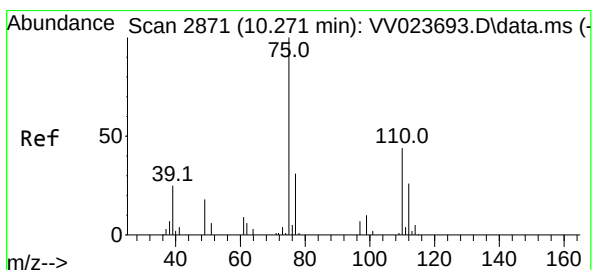
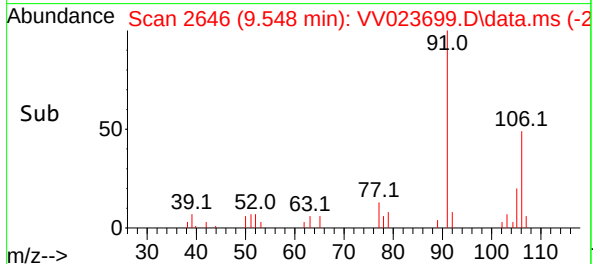
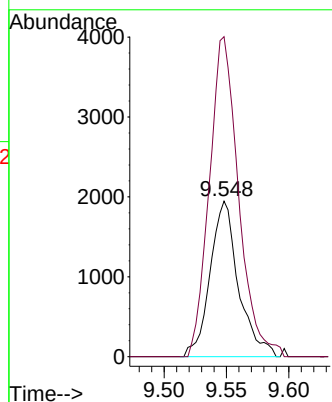
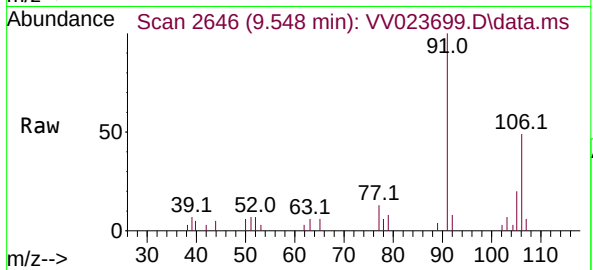
ClientSampleId :

Tgt Ion:106 Resp: 3081

Ion Ratio Lower Upper

106 100

91 205.7 147.9 274.7



#61

1,2,3-Trichloropropane

Concen: 1.564 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023699.D

Acq: 24 Nov 2021 14:41

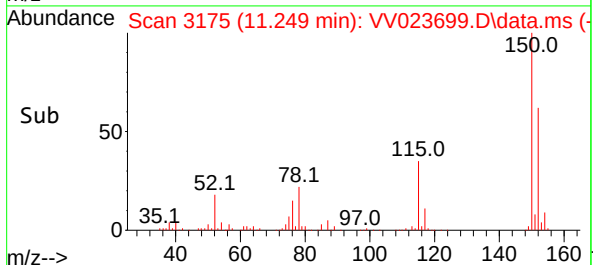
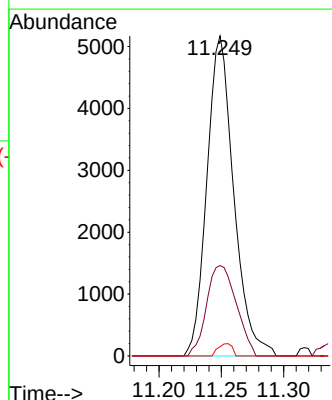
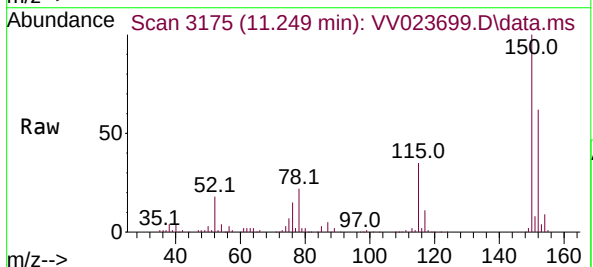
Tgt Ion: 75 Resp: 7741

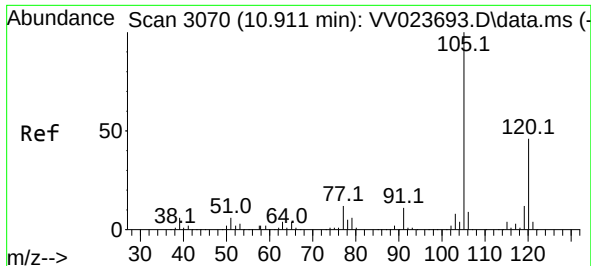
Ion Ratio Lower Upper

75 100

77 31.2 26.4 39.6

110 2.0 34.2 51.2#

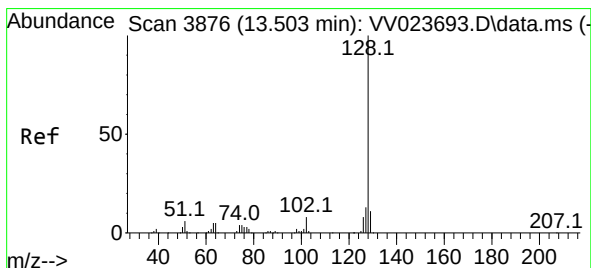
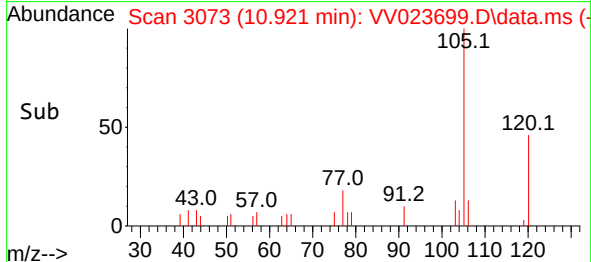
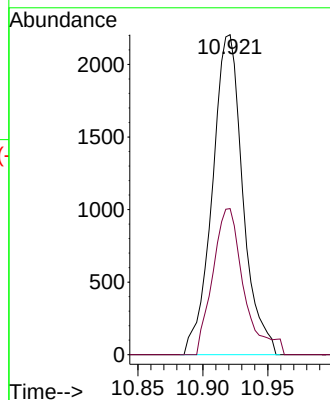
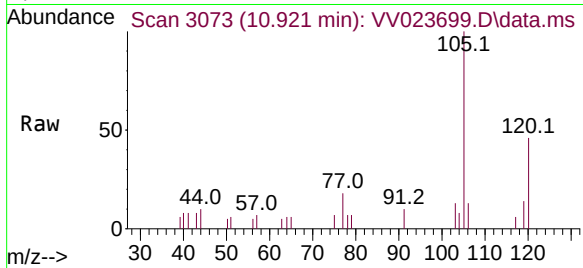




#63
1,2,4-Trimethylbenzene
Concen: 0.105 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.010 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 3600
Ion Ratio Lower Upper
105 100
120 46.4 36.7 55.1



#71
Naphthalene
Concen: 0.108 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.010 min
Lab File: VV023699.D
Acq: 24 Nov 2021 14:41

Tgt Ion:128 Resp: 1880
Ion Ratio Lower Upper
128 100
129 13.2 9.0 13.4
127 7.5 10.2 15.4#

