

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112421\
 Data File : VW023703.D
 Acq On : 24 Nov 2021 16:16
 Operator : SY/MD
 Sample : M4821-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 26 01:54:32 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	135263	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	131801	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	62848	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	43928	3.956	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.200%
7) Chloroethane-d5	1.568	69	36812	4.218	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.111	63	61054	3.120	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.400%
20) 2-Butanone-d5	3.889	46	92187	69.061	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.120%#
24) Chloroform-d	4.352	84	82683	4.276	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.600%
26) 1,2-Dichloroethane-d4	5.034	65	41979	4.647	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.053	84	163143	4.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.069	67	47642	4.733	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.317	98	143134	4.267	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
43) trans-1,3-Dichloroprop...	7.625	79	17759	4.377	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.088	63	70299	52.150	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.300%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	33459	4.619	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	56033	5.043	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	52350	4.468	ug/L	95
6) Bromomethane	1.529	94	269	0.040	ug/L #	60
8) Chloroethane	1.497	64	55945	7.535	ug/L #	53
12) 1,1-Dichloroethene	2.121	96	1445	0.159	ug/L #	1
13) Acetone	2.191	43	2586	2.153	ug/L	97
15) Methyl Acetate	2.191	43	1957	0.718	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	1498564	80.689	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	151486	14.676	ug/L	98
19) 1,1-Dichloroethane	3.191	63	13506	0.778	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	485280	49.022	ug/L	100
33) Benzene	5.104	78	6237	0.166	ug/L	100
34) Trichloroethene	5.918	95	7702	0.765	ug/L	97
35) Methylcyclohexane	6.069	83	12604	0.803	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	5761	0.645	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1314	0.103	ug/L	84
42) Toluene	7.407	91	2779	0.068	ug/L	97
48) 2-Hexanone	8.153	43	2474	0.785	ug/L #	71
61) 1,2,3-Trichloropropane	11.249	75	6424	1.441	ug/L #	63

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 26 01:51:50 2021
Response via : Initial Calibration

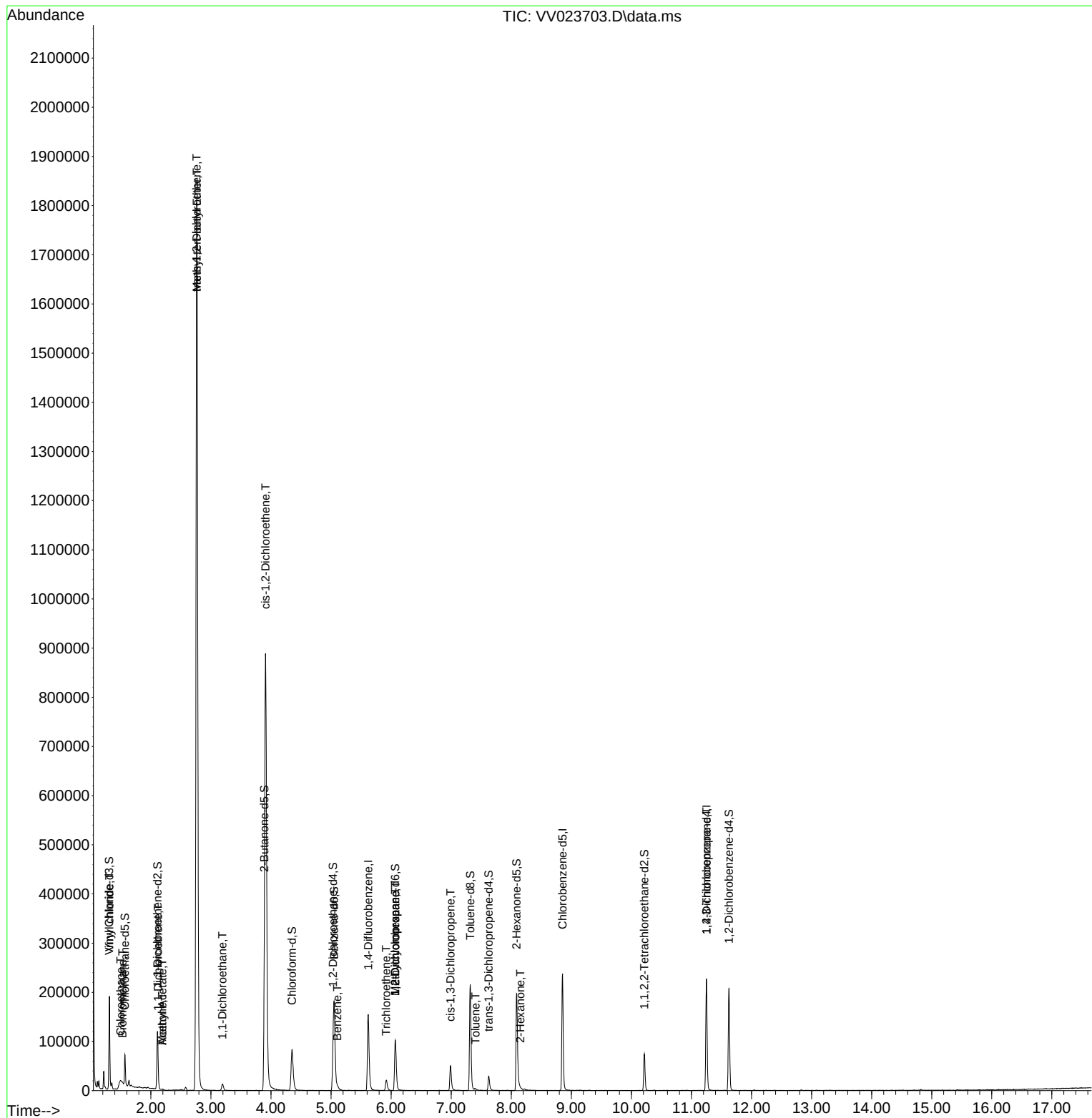
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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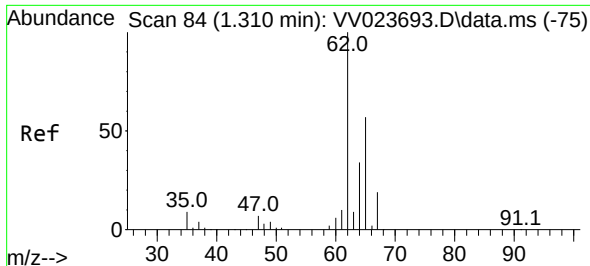
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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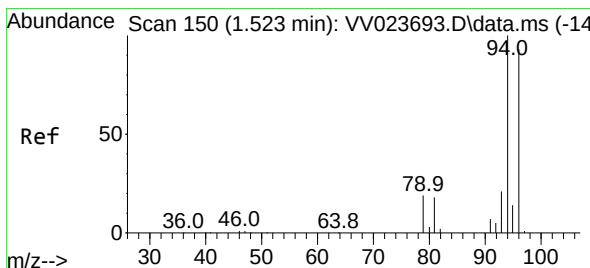
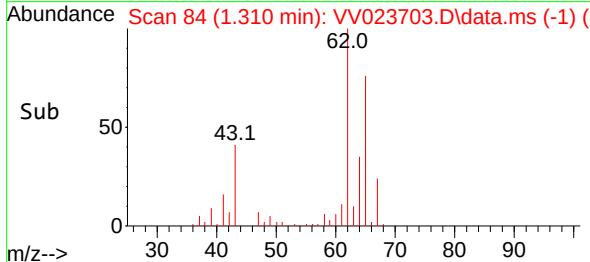
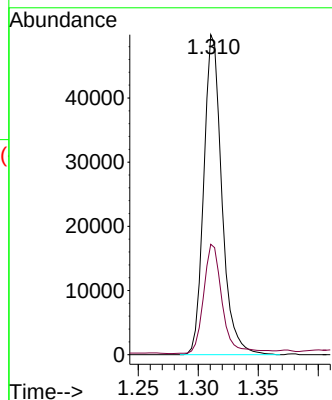
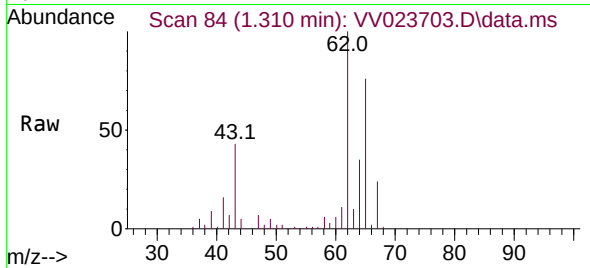




#5
 Vinyl chloride
 Concen: 4.468 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023703.D
 Acq: 24 Nov 2021 16:16

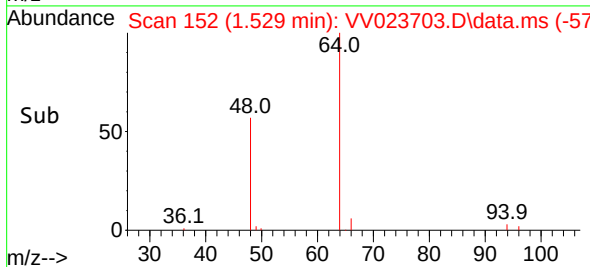
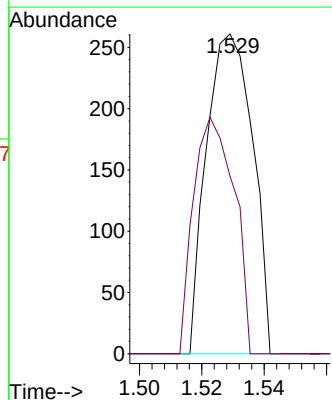
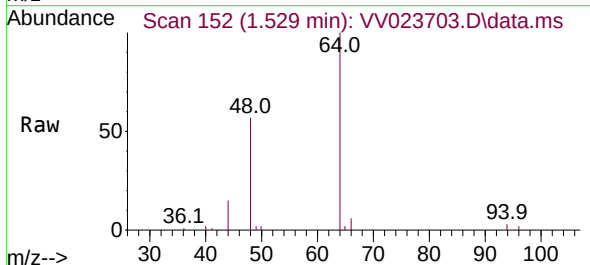
Instrument :
 MSVOA_V
 ClientSampleId :

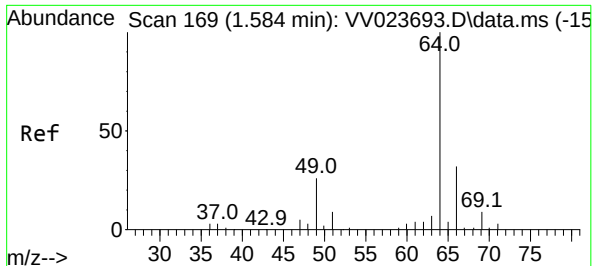
Tgt Ion: 62 Resp: 52350
 Ion Ratio Lower Upper
 62 100
 64 34.5 22.4 41.6



#6
 Bromomethane
 Concen: 0.040 ug/L
 RT: 1.529 min Scan# 152
 Delta R.T. 0.006 min
 Lab File: VV023703.D
 Acq: 24 Nov 2021 16:16

Tgt Ion: 94 Resp: 269
 Ion Ratio Lower Upper
 94 100
 96 55.6 66.2 123.0#

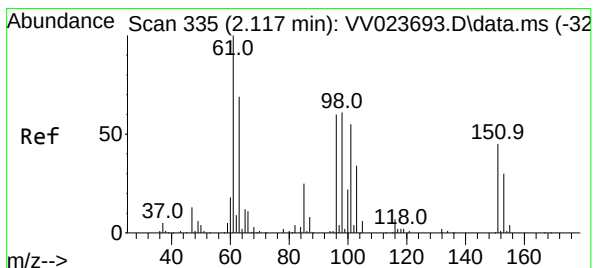
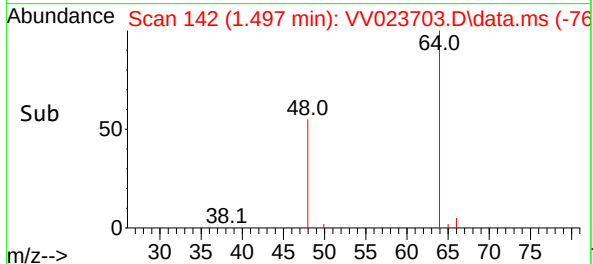
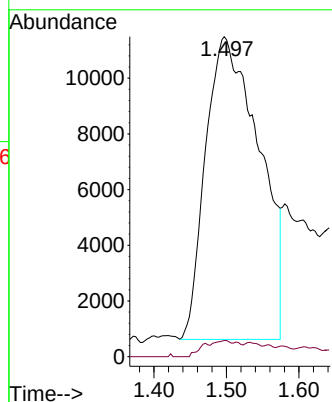
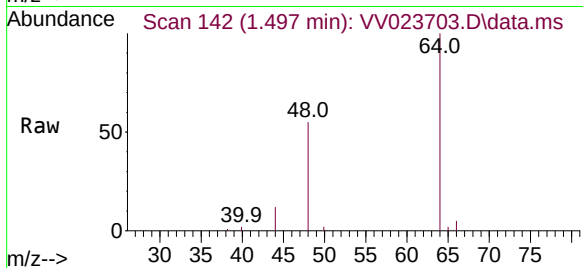




#8
Chloroethane
Concen: 7.535 ug/L
RT: 1.497 min Scan# 14
Delta R.T. -0.087 min
Lab File: VV023703.D
Acq: 24 Nov 2021 16:16

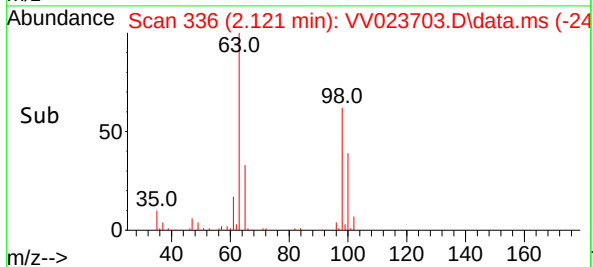
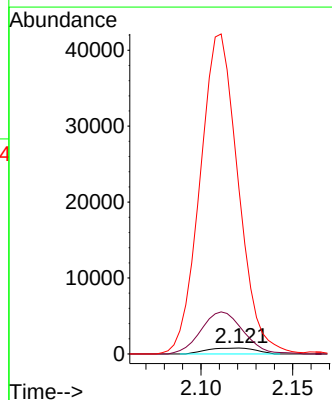
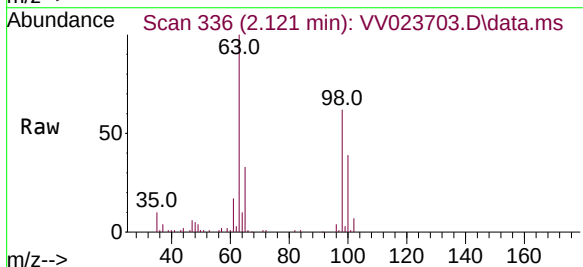
Instrument :
MSVOA_V
ClientSampleId :

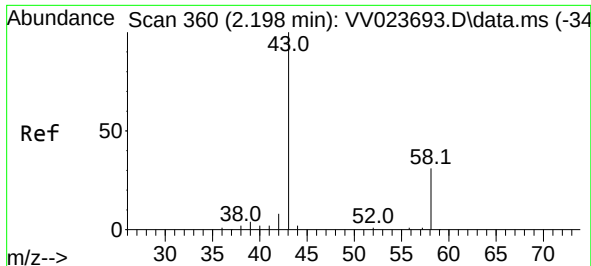
Tgt Ion: 64 Resp: 55945
Ion Ratio Lower Upper
64 100
66 5.1 21.4 39.8#



#12
1,1-Dichloroethene
Concen: 0.159 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023703.D
Acq: 24 Nov 2021 16:16

Tgt Ion: 96 Resp: 1445
Ion Ratio Lower Upper
96 100
61 478.4 116.1 215.5#
63 2798.5 79.4 147.4#





#13

Acetone

Concen: 2.153 ug/L

RT: 2.191 min Scan# 358

Delta R.T. -0.006 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

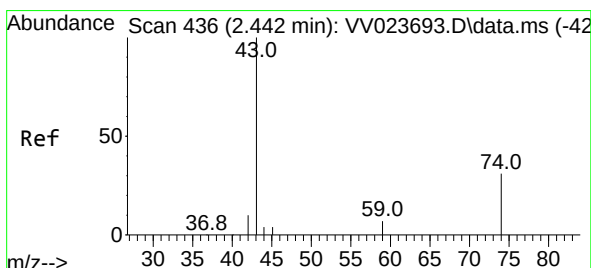
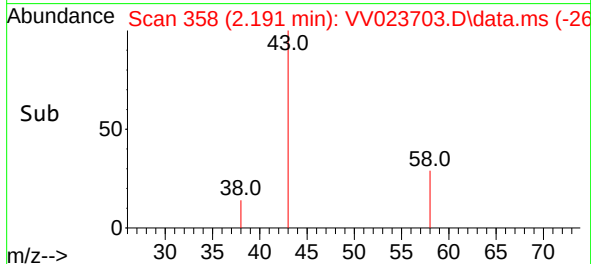
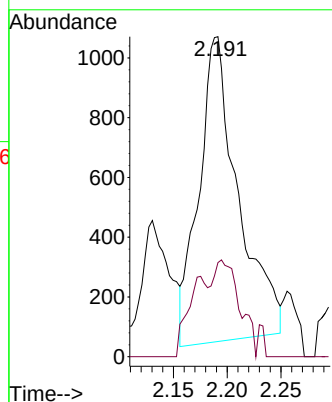
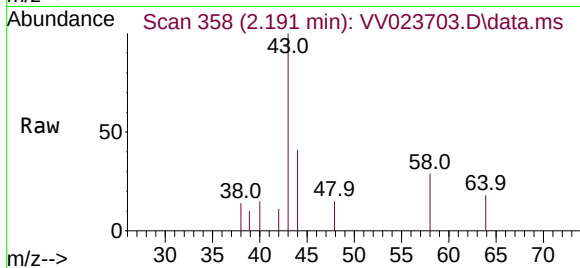
ClientSampleId :

Tgt Ion: 43 Resp: 2586

Ion Ratio Lower Upper

43 100

58 22.1 0.0 41.4



#15

Methyl Acetate

Concen: 0.718 ug/L

RT: 2.191 min Scan# 358

Delta R.T. -0.251 min

Lab File: VV023703.D

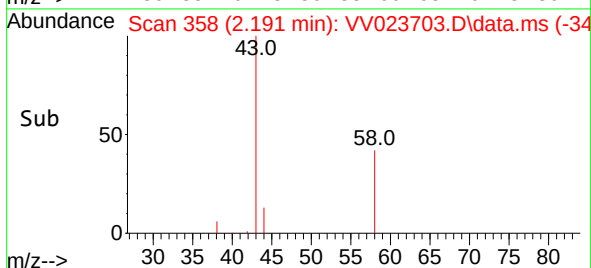
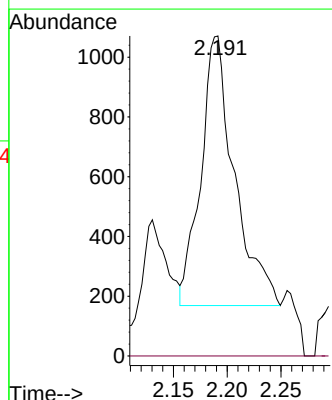
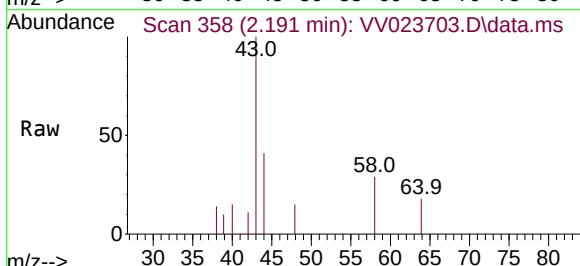
Acq: 24 Nov 2021 16:16

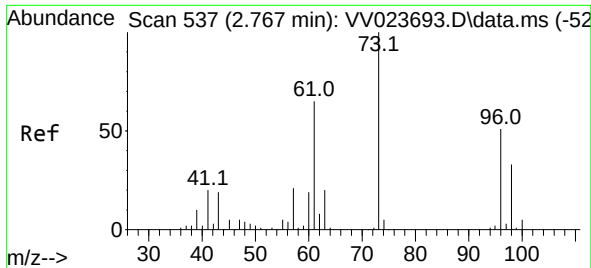
Tgt Ion: 43 Resp: 1957

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#





#17

Methyl tert-butyl Ether

Concen: 80.689 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

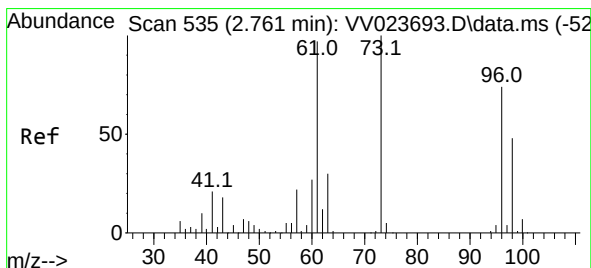
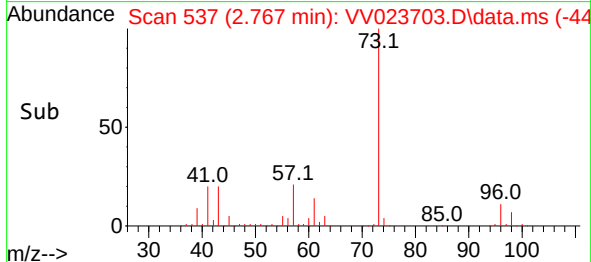
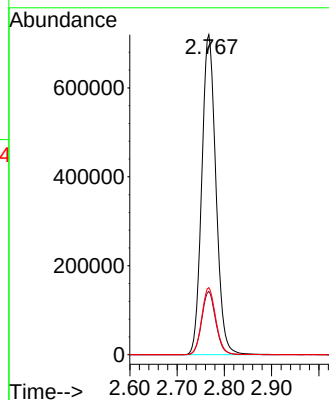
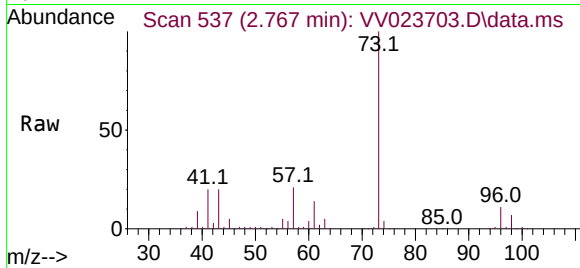
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73 Resp: 1498564

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.5	23.3
57	20.9	17.1	25.7



#18

trans-1,2-Dichloroethene

Concen: 14.676 ug/L

RT: 2.761 min Scan# 535

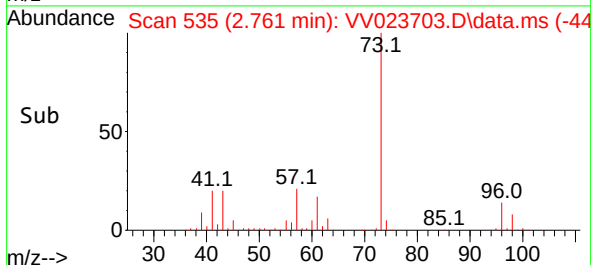
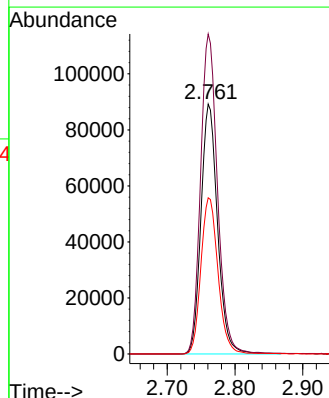
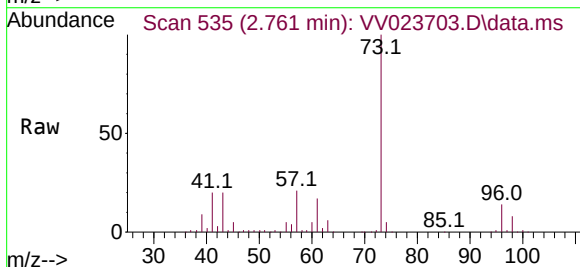
Delta R.T. -0.000 min

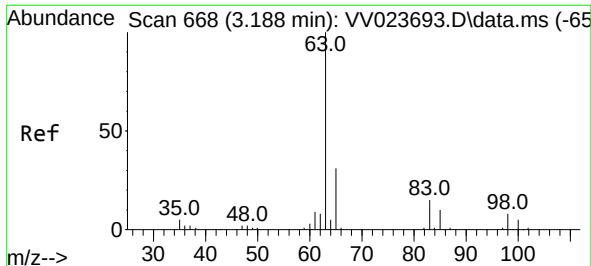
Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Tgt Ion: 96 Resp: 151486

Ion	Ratio	Lower	Upper
96	100		
61	128.1	88.2	163.8
98	62.5	44.9	83.5





#19

1,1-Dichloroethane

Concen: 0.778 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.003 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

ClientSampleId :

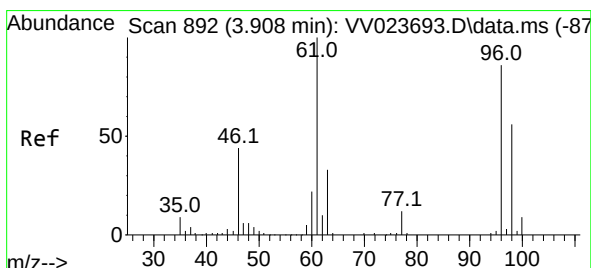
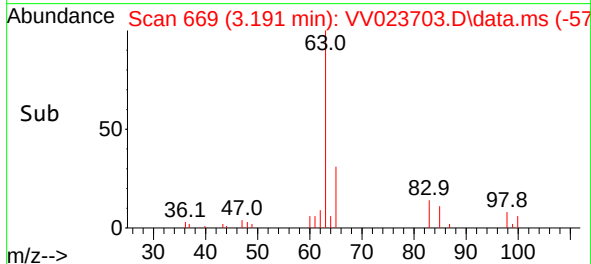
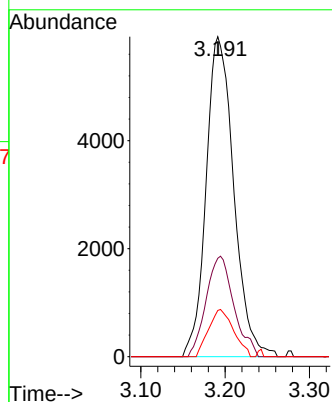
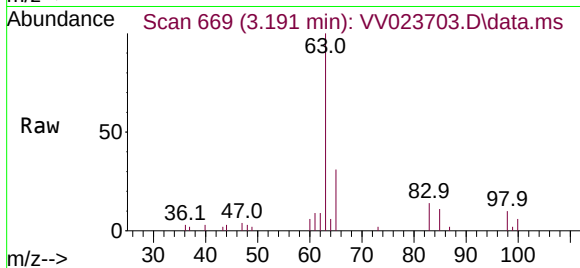
Tgt Ion: 63 Resp: 13506

Ion Ratio Lower Upper

63 100

65 30.8 22.3 41.3

83 14.4 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 49.022 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

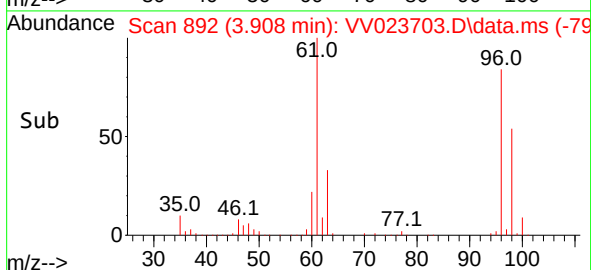
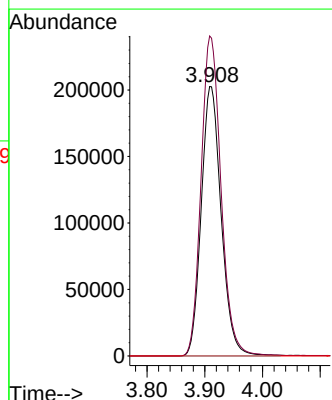
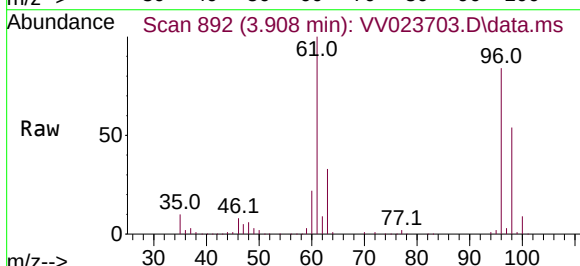
Tgt Ion: 96 Resp: 485280

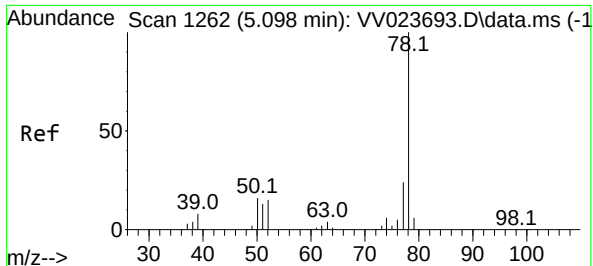
Ion Ratio Lower Upper

96 100

61 118.8 83.4 154.8

68 0.0 0.0 0.0





#33

Benzene

Concen: 0.166 ug/L

RT: 5.104 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023703.D

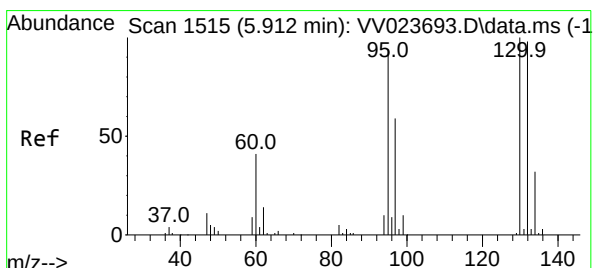
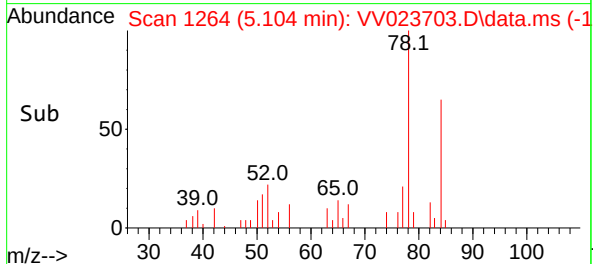
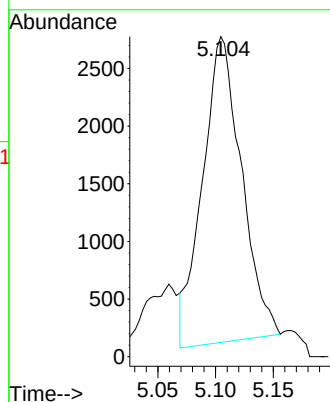
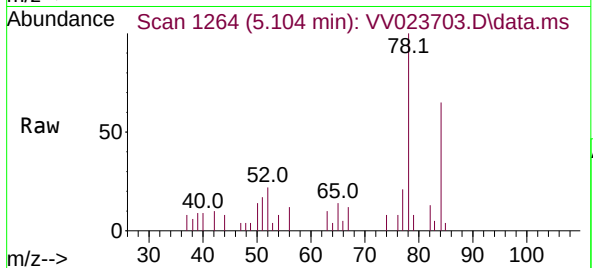
Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 6237



#34

Trichloroethene

Concen: 0.765 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Tgt Ion: 95 Resp: 7702

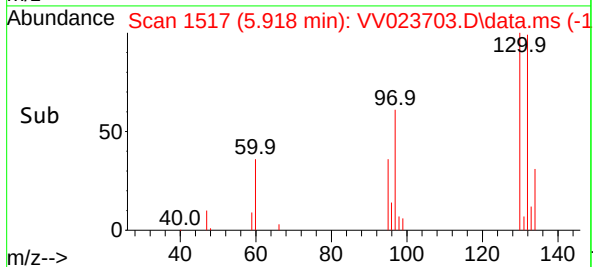
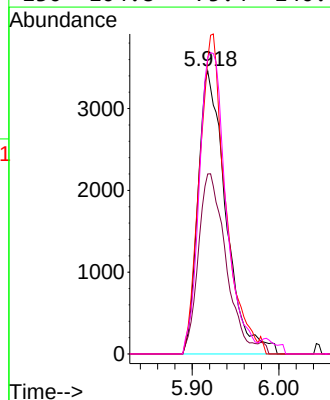
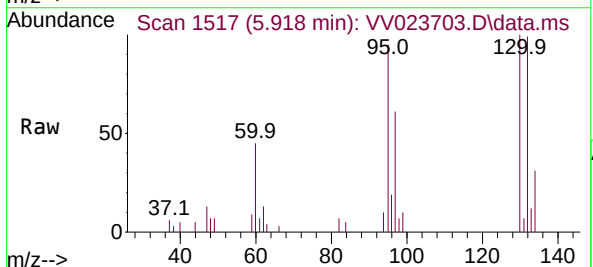
Ion Ratio Lower Upper

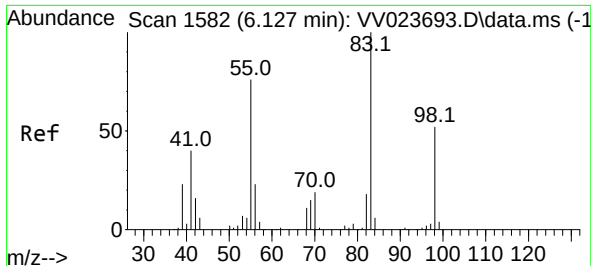
95 100

97 63.6 45.2 84.0

132 104.0 76.1 141.3

130 104.8 75.4 140.0





#35

Methylcyclohexane

Concen: 0.803 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

ClientSampleId :

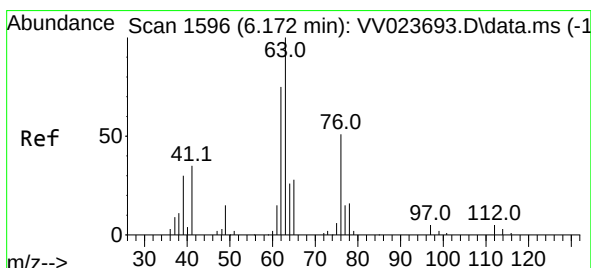
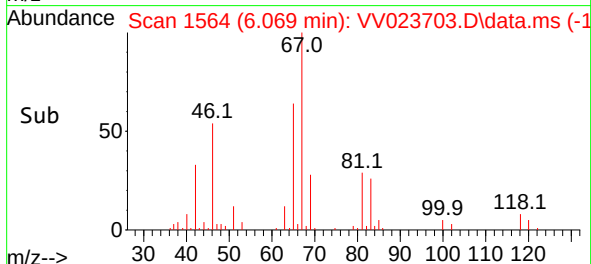
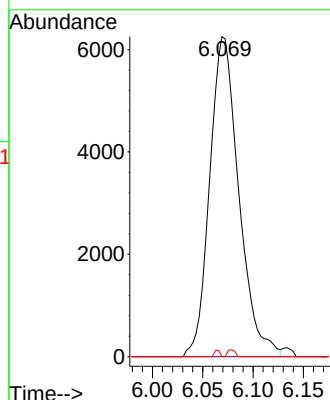
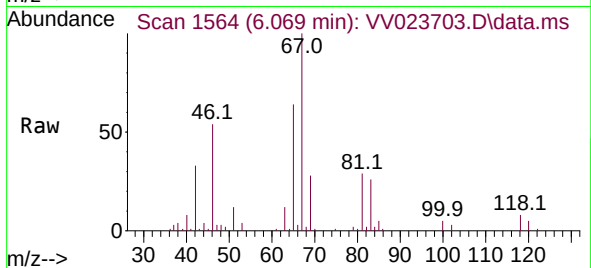
Tgt Ion: 83 Resp: 12604

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.4 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.645 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.103 min

Lab File: VV023703.D

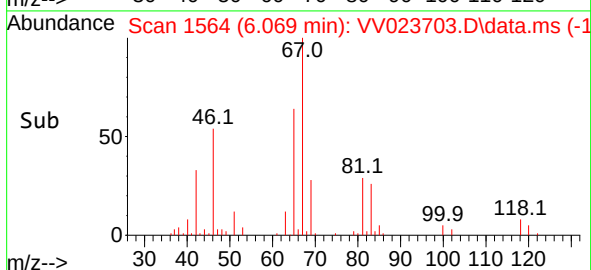
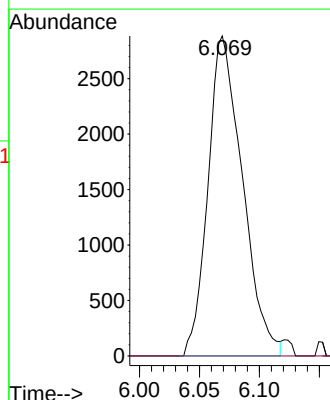
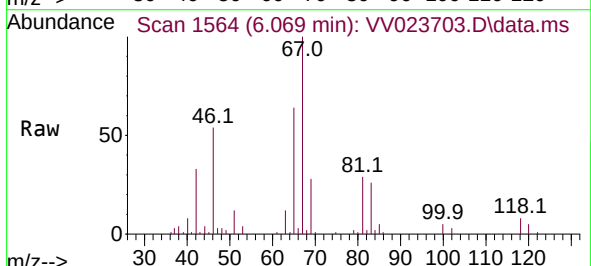
Acq: 24 Nov 2021 16:16

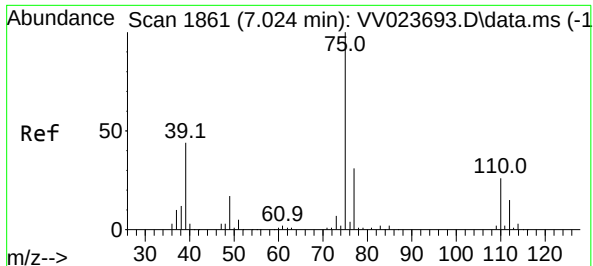
Tgt Ion: 63 Resp: 5761

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

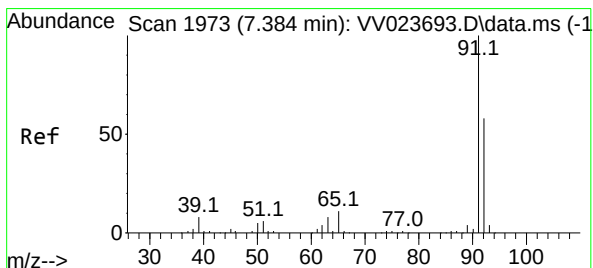
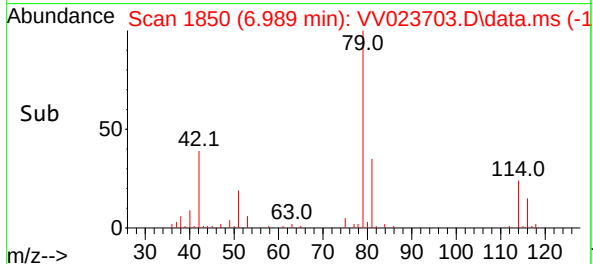
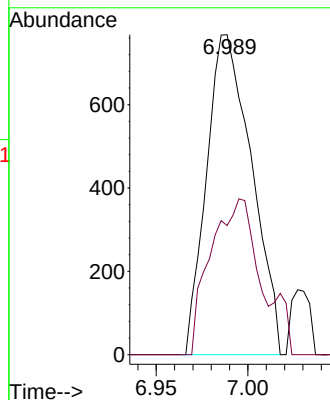
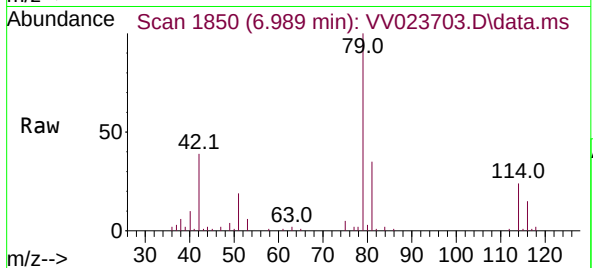
ClientSampleId :

Tgt Ion: 75 Resp: 1314

Ion Ratio Lower Upper

75 100

77 40.4 22.0 41.0



#42

Toluene

Concen: 0.068 ug/L

RT: 7.407 min Scan# 1980

Delta R.T. 0.022 min

Lab File: VV023703.D

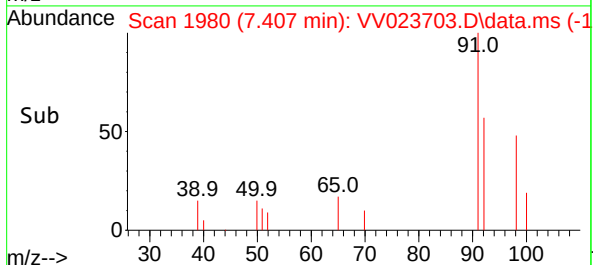
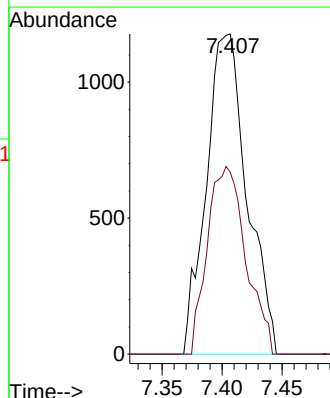
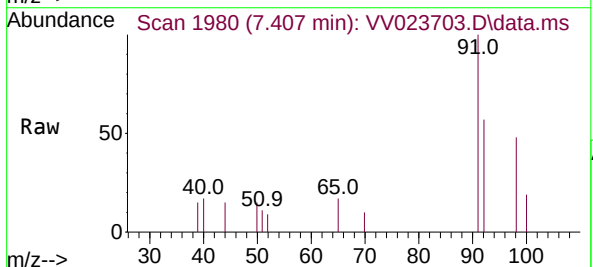
Acq: 24 Nov 2021 16:16

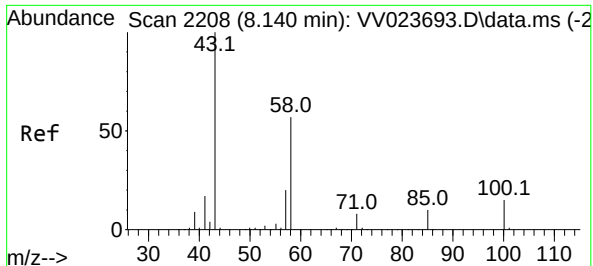
Tgt Ion: 91 Resp: 2779

Ion Ratio Lower Upper

91 100

92 56.8 41.5 77.1





#48

2-Hexanone

Concen: 0.785 ug/L

RT: 8.153 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 2474

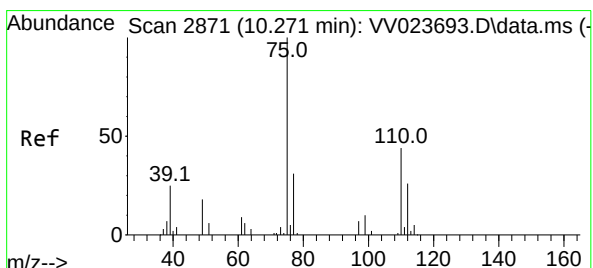
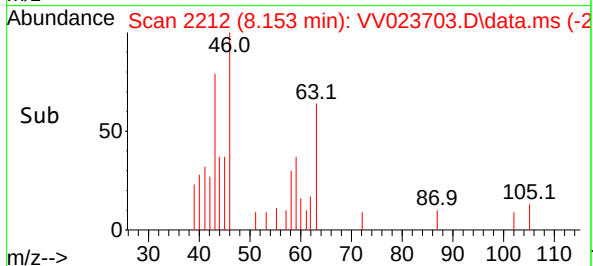
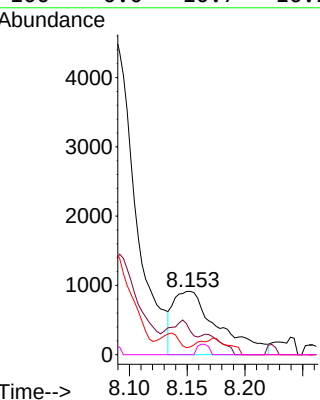
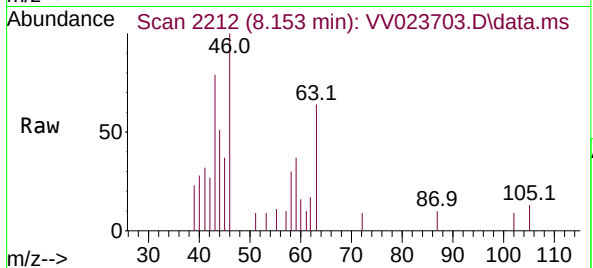
Ion Ratio Lower Upper

43 100

58 29.6 44.5 66.7#

57 15.8 15.1 22.7

100 0.0 10.7 16.1#



#61

1,2,3-Trichloropropane

Concen: 1.441 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023703.D

Acq: 24 Nov 2021 16:16

Tgt Ion: 75 Resp: 6424

Ion Ratio Lower Upper

75 100

77 35.4 26.4 39.6

110 3.2 34.2 51.2#

