

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121921\
 Data File : VW024115.D
 Acq On : 20 Dec 2021 02:12
 Operator : SY/MD
 Sample : M5148-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

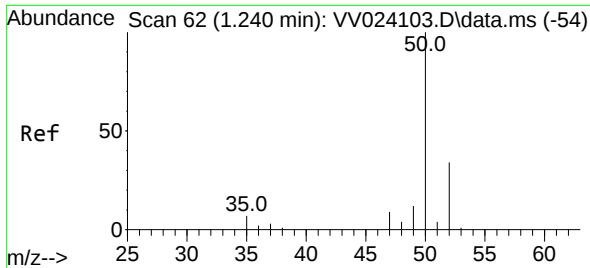
Quant Time: Dec 20 04:20:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 20 04:04:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	89467	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	95388	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	46876	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	17776	3.696	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	74.000%	
7) Chloroethane-d5	1.568	69	17039	4.246	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	85.000%	
11) 1,1-Dichloroethene-d2	2.108	63	30652	3.265	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	65.200%	
20) 2-Butanone-d5	3.928	46	13292	14.145	ug/L	0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	28.300%#	
24) Chloroform-d	4.349	84	47379	4.349	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
26) 1,2-Dichloroethane-d4	5.034	65	23522	4.637	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.800%	
32) Benzene-d6	5.050	84	85067	4.503	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	90.000%	
36) 1,2-Dichloropropane-d6	6.069	67	26219	4.600	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	92.000%	
41) Toluene-d8	7.317	98	77078	4.532	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.600%	
43) trans-1,3-Dichloroprop...	7.625	79	9003	3.807	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	76.200%	
46) 2-Hexanone-d5	8.092	63	34108	32.221	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	64.440%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	18199	3.849	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	77.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	30161	4.817	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.400%	
Target Compounds						Qvalue
3) Chloromethane	1.240	50	371	0.056	ug/L	91
5) Vinyl chloride	1.310	62	1131	0.157	ug/L #	54
12) 1,1-Dichloroethene	2.117	96	3059	0.510	ug/L #	1
13) Acetone	2.201	43	2789	3.710	ug/L	83
17) Methyl tert-butyl Ether	2.764	73	836	0.062	ug/L #	71
18) trans-1,2-Dichloroethene	2.764	96	440	0.066	ug/L	93
22) cis-1,2-Dichloroethene	3.912	96	21194	3.013	ug/L	93
27) 1,2-Dichloroethane	5.050	62	563	0.078	ug/L #	31
30) Cyclohexane	4.680	56	5193	0.525	ug/L	96
34) Trichloroethene	5.912	95	810201	106.445	ug/L	98
35) Methylcyclohexane	6.069	83	7094	0.633	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	3200	0.499	ug/L #	84
42) Toluene	7.397	91	2121	0.070	ug/L	89
47) Tetrachloroethene	7.976	164	850	0.127	ug/L	82
49) Dibromochloromethane	7.976	129	669	0.104	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	4736	1.483	ug/L #	62

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

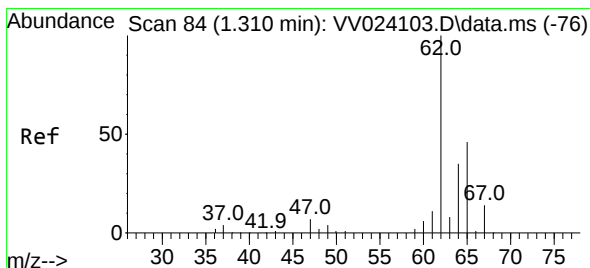
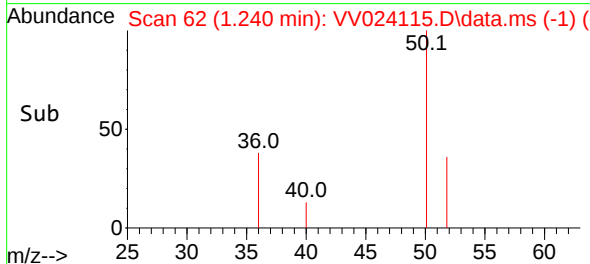
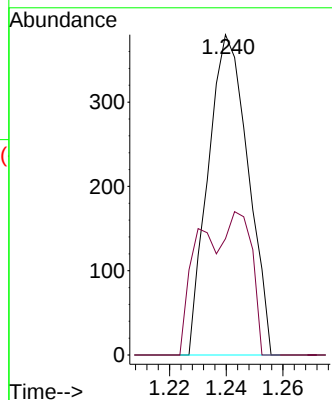
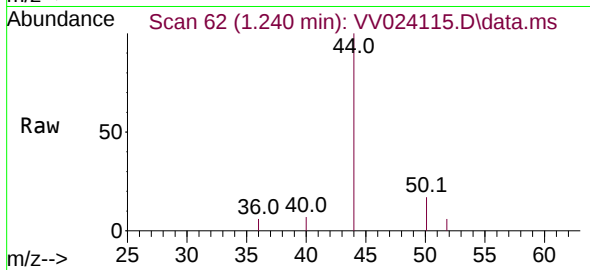
Instrument :
MSVOA_V
ClientSampleId :



#3
Chloromethane
Concen: 0.056 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV024115.D
Acq: 20 Dec 2021 02:12

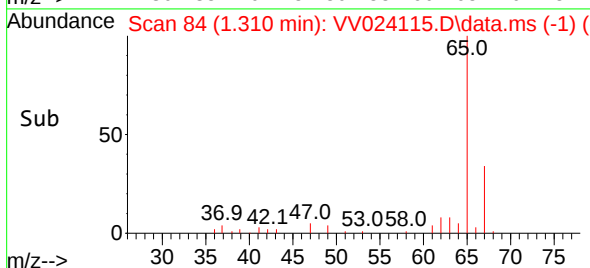
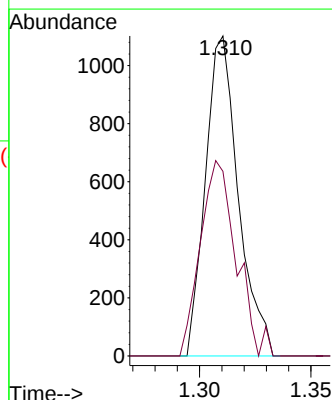
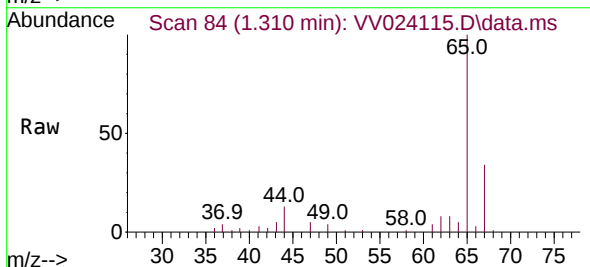
Instrument :
MSVOA_V
ClientSampleId :

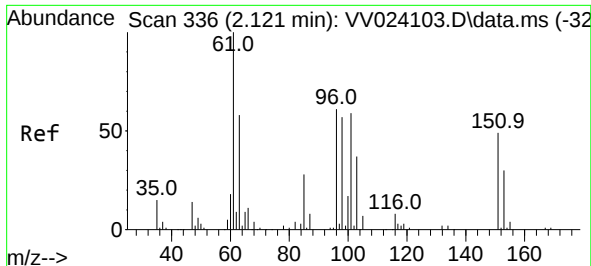
Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 36.3 22.0 41.0



#5
Vinyl chloride
Concen: 0.157 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV024115.D
Acq: 20 Dec 2021 02:12

Tgt Ion: 62 Resp: 1131
Ion Ratio Lower Upper
62 100
64 57.7 22.4 41.6#





#12

1,1-Dichloroethene

Concen: 0.510 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

ClientSampleId :

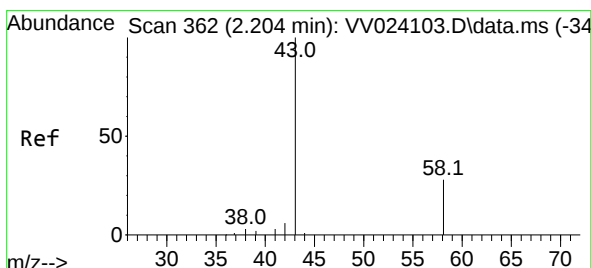
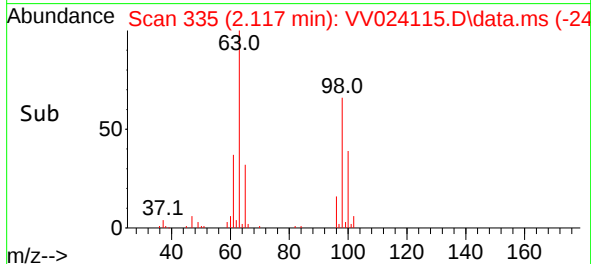
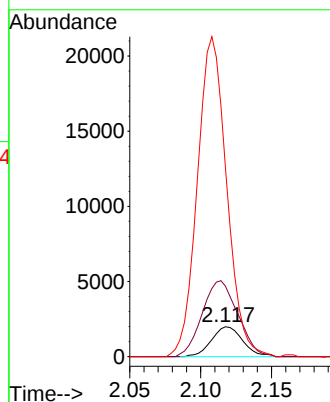
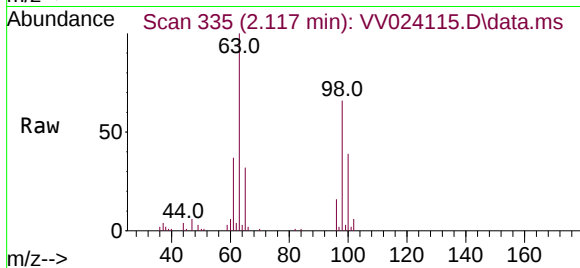
Tgt Ion: 96 Resp: 3059

Ion Ratio Lower Upper

96 100

61 235.5 116.1 215.5#

63 630.5 79.4 147.4#



#13

Acetone

Concen: 3.710 ug/L

RT: 2.201 min Scan# 361

Delta R.T. -0.003 min

Lab File: VV024115.D

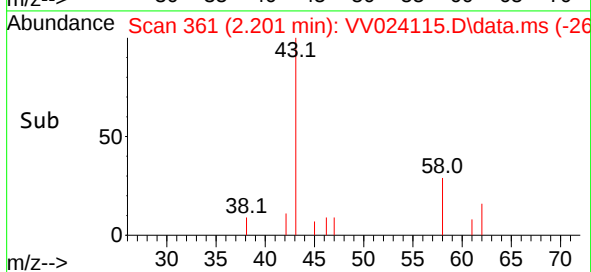
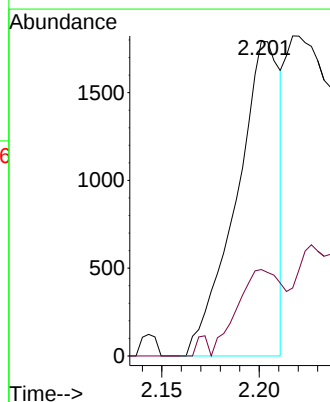
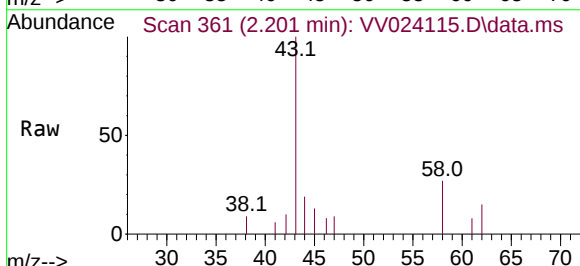
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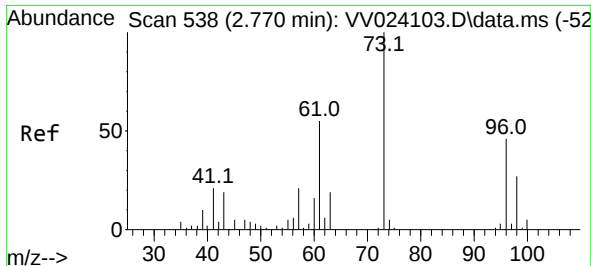
Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

43 100

58 28.6 0.0 41.4





#17

Methyl tert-butyl Ether

Concen: 0.062 ug/L

RT: 2.764 min Scan# 536

Delta R.T. -0.006 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

ClientSampleId :

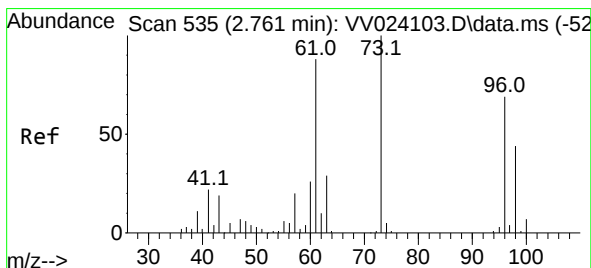
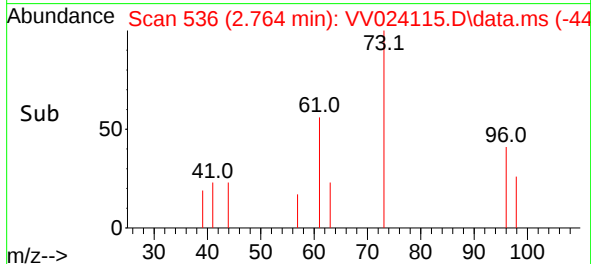
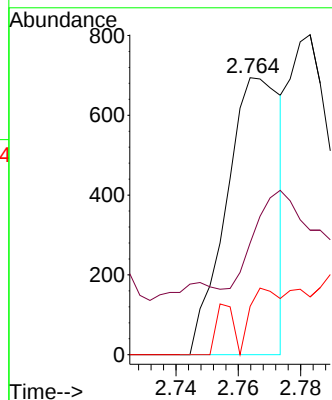
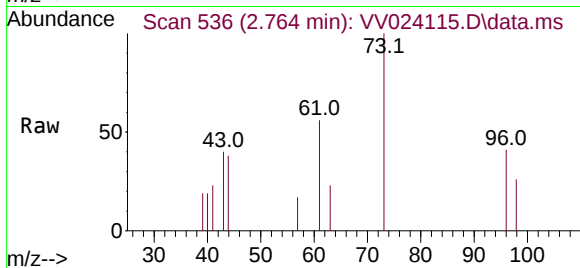
Tgt Ion: 73 Resp: 836

Ion Ratio Lower Upper

73 100

43 0.0 15.5 23.3#

57 13.5 17.1 25.7#



#18

trans-1,2-Dichloroethene

Concen: 0.066 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

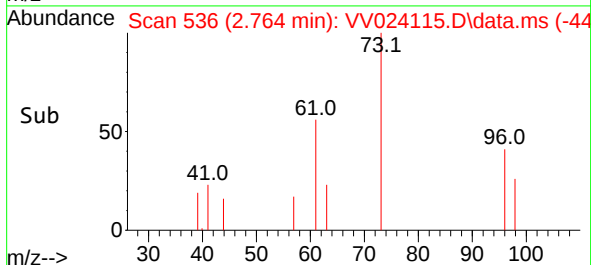
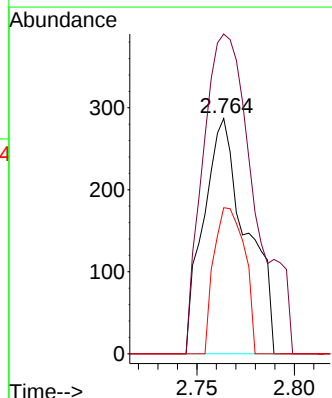
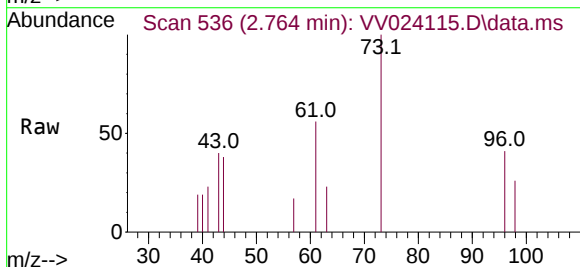
Tgt Ion: 96 Resp: 440

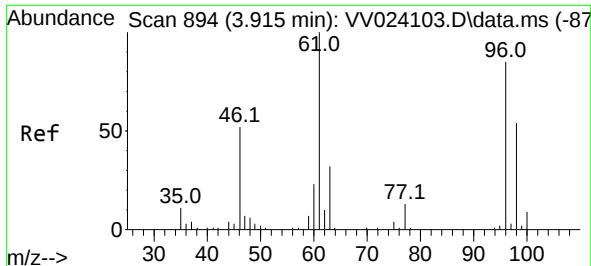
Ion Ratio Lower Upper

96 100

61 135.9 88.2 163.8

98 62.0 44.9 83.5





#22

cis-1,2-Dichloroethene

Concen: 3.013 ug/L

RT: 3.912 min Scan# 894

Delta R.T. -0.003 min

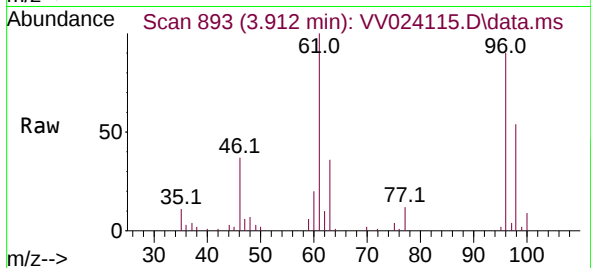
Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

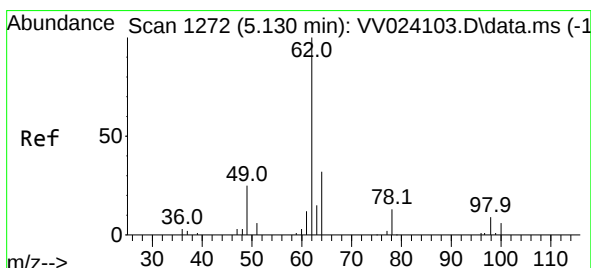
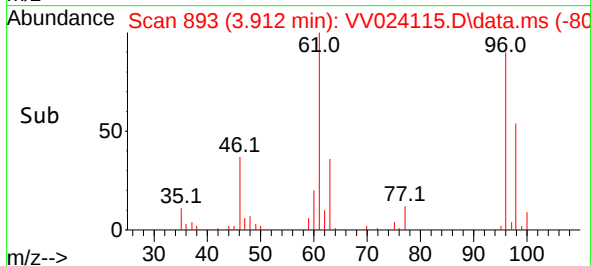
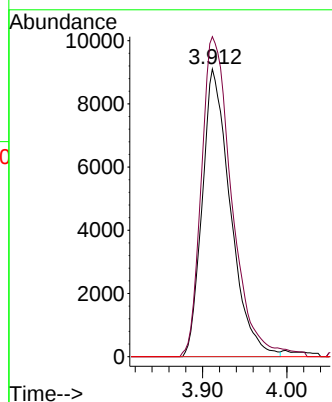
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	21194
Ion	Ratio	Lower	Upper
96	100		
61	111.2	83.4	154.8
68	0.0	0.0	0.0



#27

1,2-Dichloroethane

Concen: 0.078 ug/L

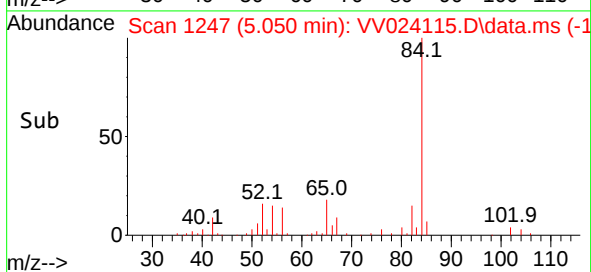
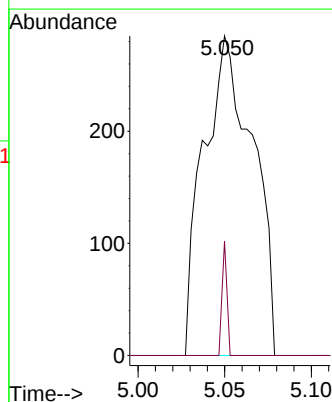
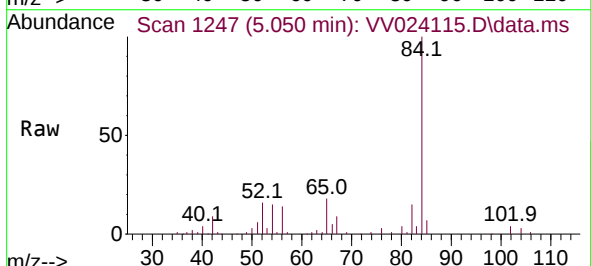
RT: 5.050 min Scan# 1247

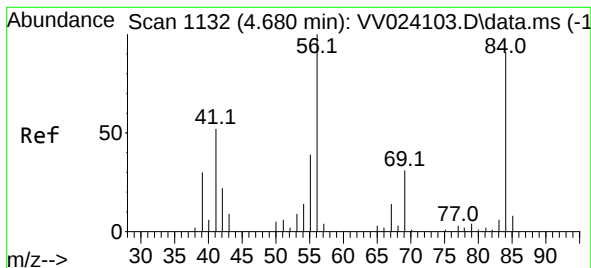
Delta R.T. -0.080 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Tgt Ion:	62	Resp:	563
Ion	Ratio	Lower	Upper
62	100		
98	35.8	8.1	12.1#





#30

Cyclohexane

Concen: 0.525 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

ClientSampleId :

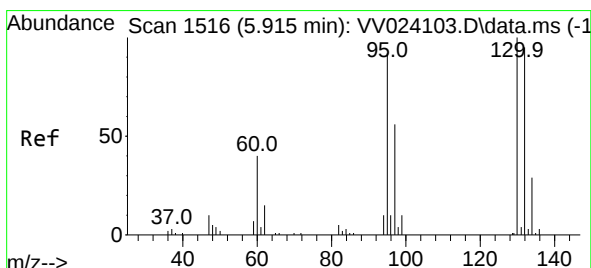
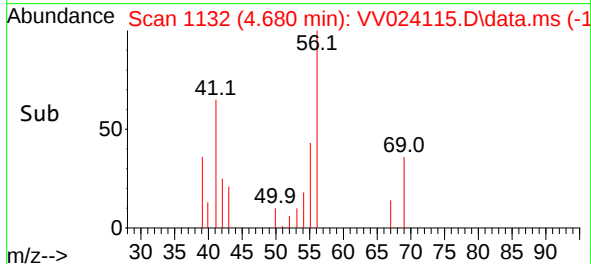
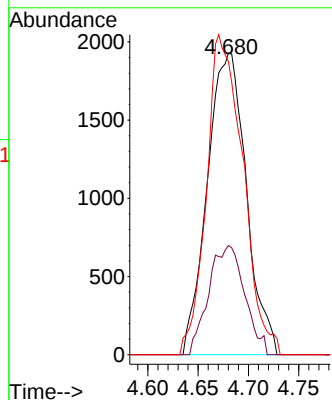
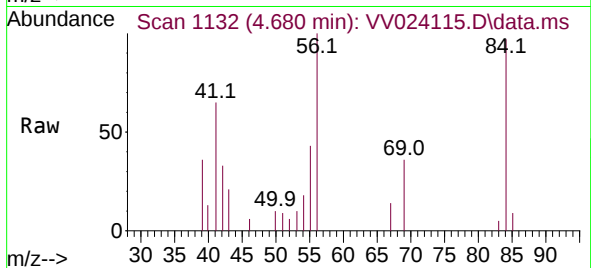
Tgt Ion: 56 Resp: 5193

Ion Ratio Lower Upper

56 100

69 33.5 24.8 37.2

84 99.1 75.9 113.9



#34

Trichloroethene

Concen: 106.445 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Tgt Ion: 95 Resp: 810201

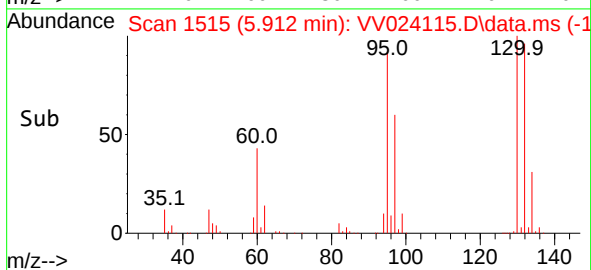
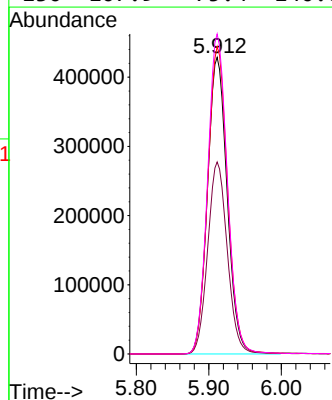
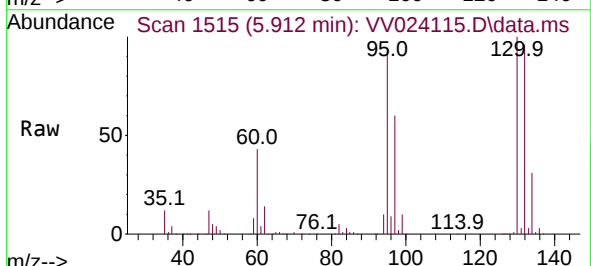
Ion Ratio Lower Upper

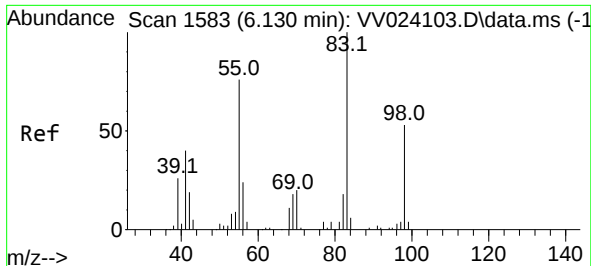
95 100

97 64.7 45.2 84.0

132 103.7 76.1 141.3

130 107.9 75.4 140.0





#35

Methylcyclohexane

Concen: 0.633 ug/L

RT: 6.069 min Scan# 1

Delta R.T. -0.061 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

ClientSampleId :

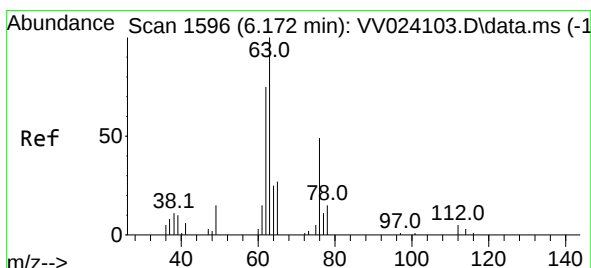
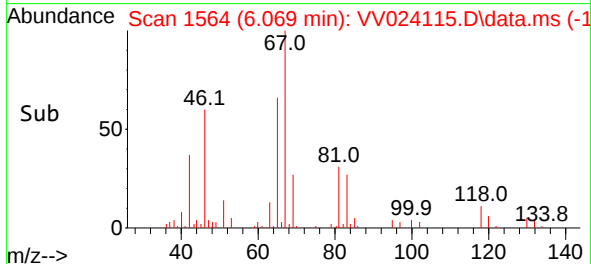
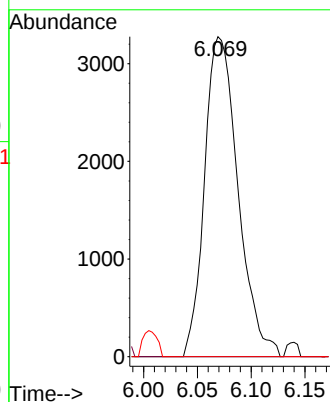
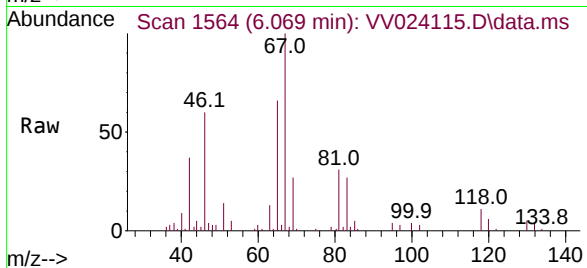
Tgt Ion: 83 Resp: 7094

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.499 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV024115.D

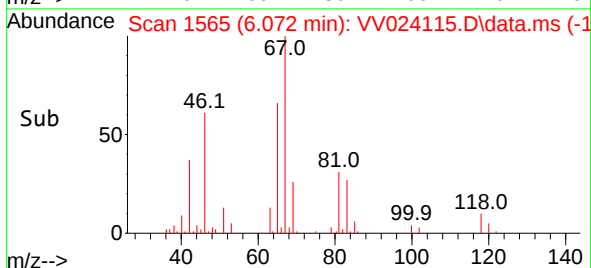
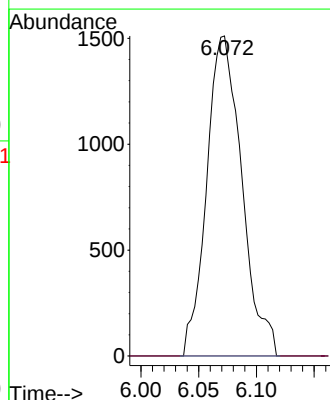
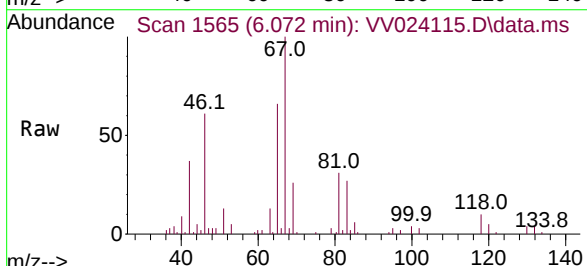
Acq: 20 Dec 2021 02:12

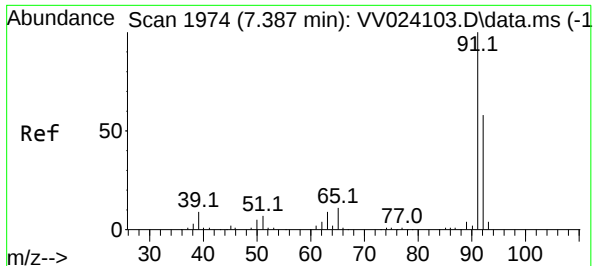
Tgt Ion: 63 Resp: 3200

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#42

Toluene

Concen: 0.070 ug/L

RT: 7.397 min Scan# 1974

Delta R.T. 0.010 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

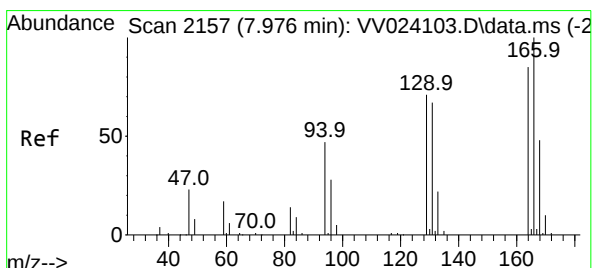
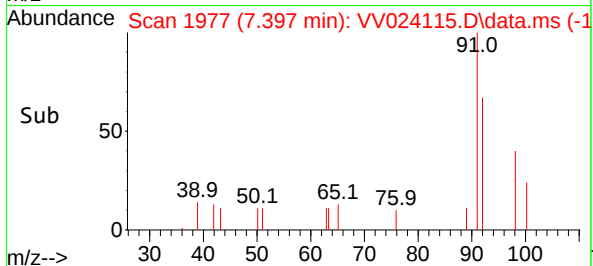
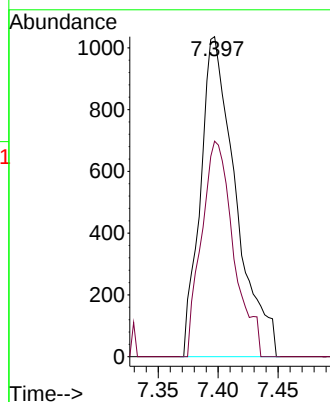
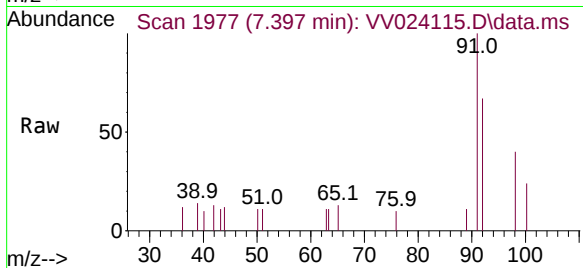
ClientSampleId :

Tgt Ion: 91 Resp: 2121

Ion Ratio Lower Upper

91 100

92 67.4 41.5 77.1



#47

Tetrachloroethene

Concen: 0.127 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Tgt Ion: 164 Resp: 850

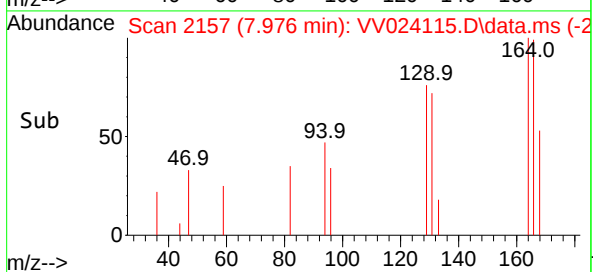
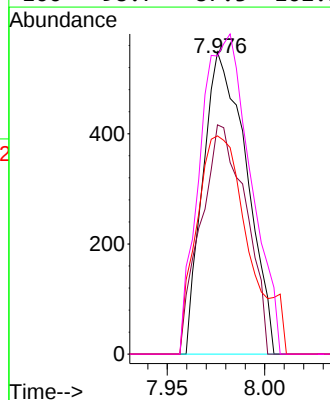
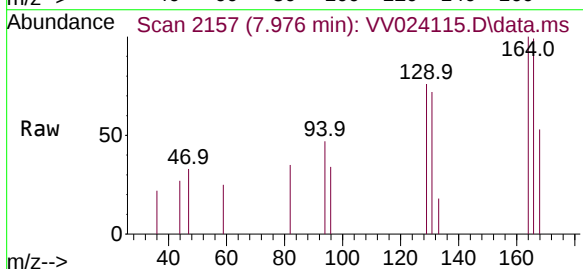
Ion Ratio Lower Upper

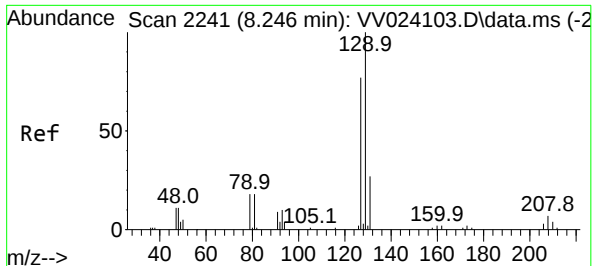
164 100

129 75.9 62.6 116.2

131 72.3 61.0 113.4

166 98.7 87.3 162.1





#49

Dibromochloromethane

Concen: 0.104 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Instrument :

MSVOA_V

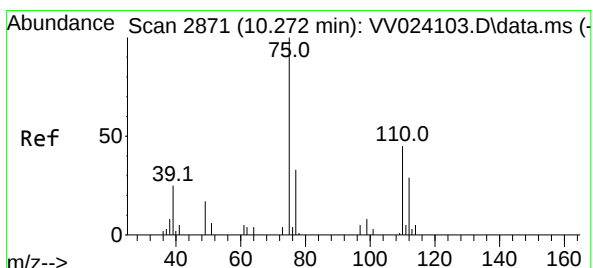
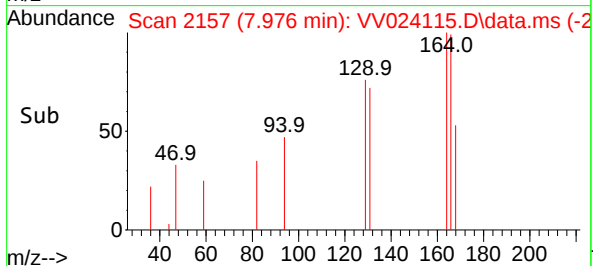
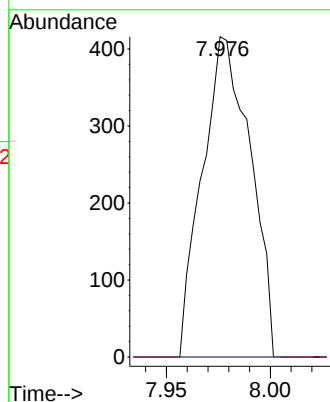
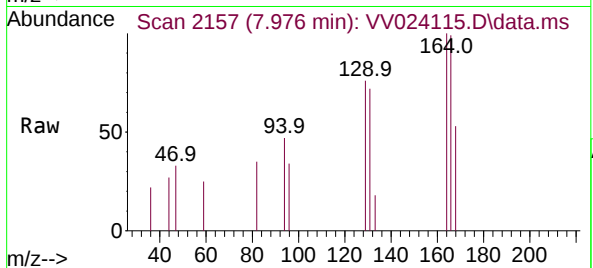
ClientSampleId :

Tgt Ion:129 Resp: 669

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.483 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV024115.D

Acq: 20 Dec 2021 02:12

Tgt Ion: 75 Resp: 4736

Ion Ratio Lower Upper

75 100

77 30.6 26.4 39.6

110 1.7 34.2 51.2#

