

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121921\
 Data File : VW024117.D
 Acq On : 20 Dec 2021 03:00
 Operator : SY/MD
 Sample : M5148-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 20 04:21:24 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	5.616	114	89131	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	91107	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	45769	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	18609	3.884	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.600%
7) Chloroethane-d5	1.565	69	16567	4.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.105	63	32806	3.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.200%
20) 2-Butanone-d5	3.963	46	25323	27.051	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	54.100%
24) Chloroform-d	4.349	84	52366	4.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.034	65	26220	5.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.800%
32) Benzene-d6	5.047	84	90434	5.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	6.069	67	27299	5.014	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.317	98	77599	4.777	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.600%
43) trans-1,3-Dichloroprop...	7.625	79	9428	4.174	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.101	63	36379	35.981	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.960%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	19749	4.373	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	30288	4.954	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	537	0.081	ug/L	93
5) Vinyl chloride	1.311	62	1676	0.233	ug/L #	19
8) Chloroethane	1.581	64	471	0.101	ug/L #	76
12) 1,1-Dichloroethene	2.118	96	4671	0.781	ug/L #	31
14) Carbon disulfide	2.288	76	5090	0.293	ug/L #	94
15) Methyl Acetate	2.458	43	1045	0.576	ug/L #	50
17) Methyl tert-butyl Ether	2.783	73	2557	0.189	ug/L #	80
18) trans-1,2-Dichloroethene	2.761	96	1816	0.274	ug/L	94
22) cis-1,2-Dichloroethene	3.908	96	32659	4.661	ug/L	97
27) 1,2-Dichloroethane	5.043	62	665	0.093	ug/L #	73
30) Cyclohexane	4.667	56	11175	1.182	ug/L	96
34) Trichloroethene	5.912	95	1027942	141.398	ug/L	98
35) Methylcyclohexane	6.069	83	7037	0.658	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	3398	0.555	ug/L #	84
42) Toluene	7.394	91	2401	0.083	ug/L	98
47) Tetrachloroethene	7.979	164	883	0.138	ug/L	84
48) 2-Hexanone	8.149	43	3406	1.596	ug/L #	86
49) Dibromochloromethane	7.976	129	764	0.124	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	4918	1.577	ug/L #	62

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Quant Time: Dec 20 04:21:24 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

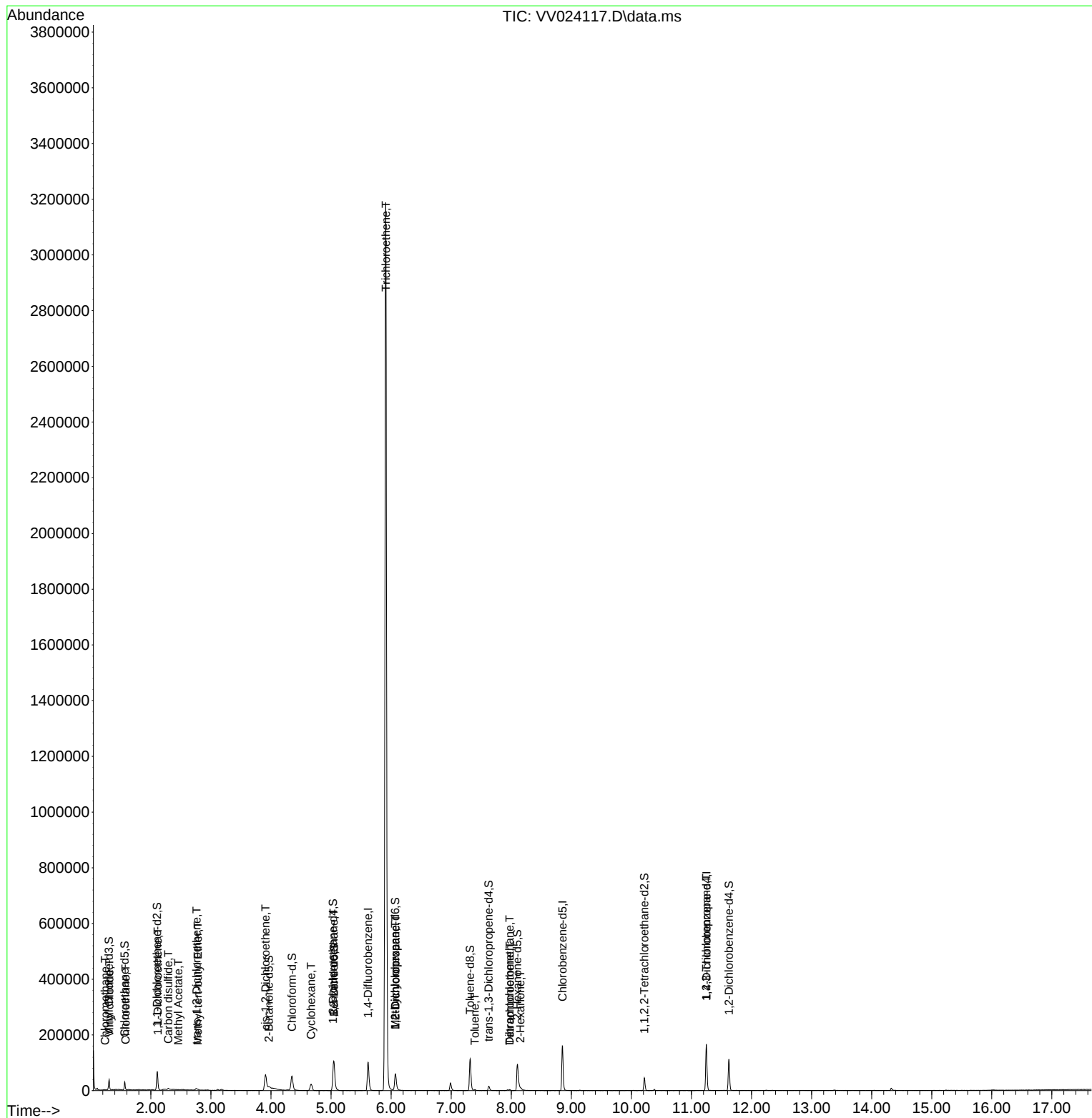
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

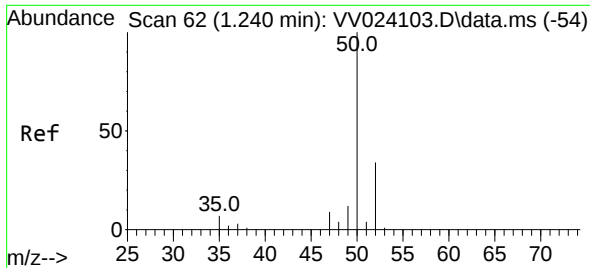
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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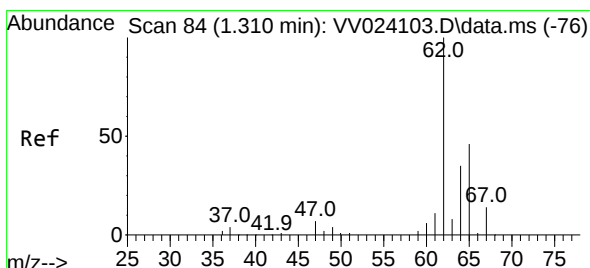
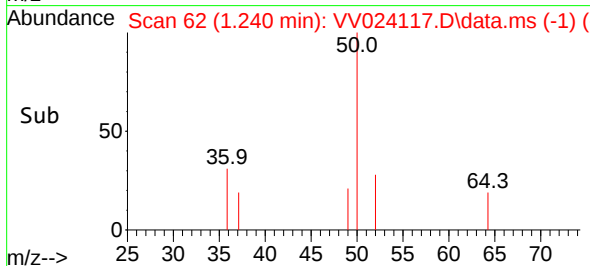
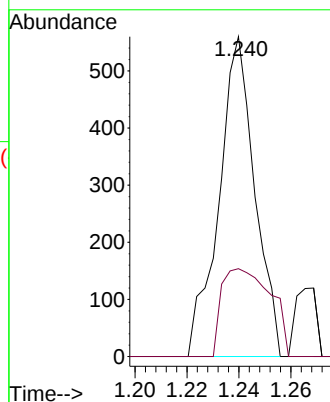
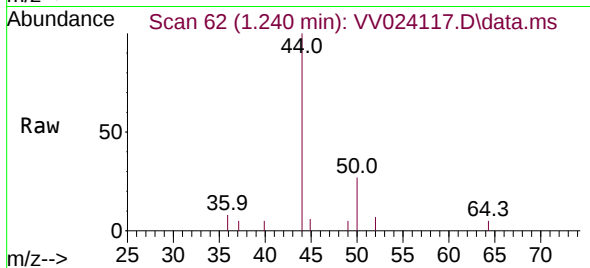




#3
Chloromethane
Concen: 0.081 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

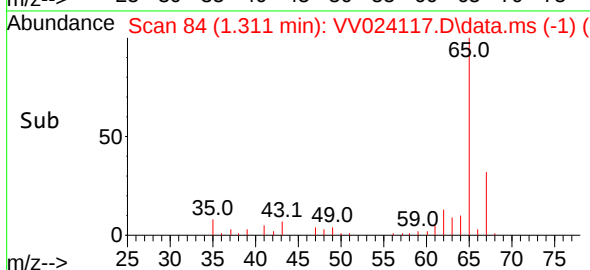
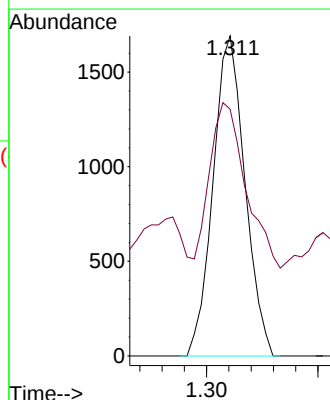
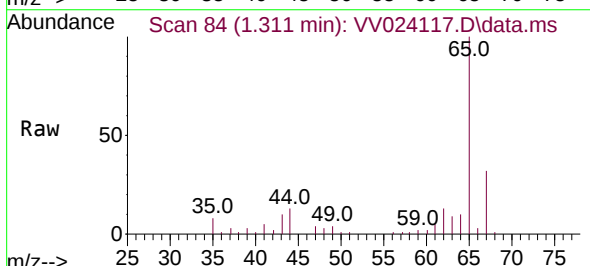
Instrument :
MSVOA_V
ClientSampleId :

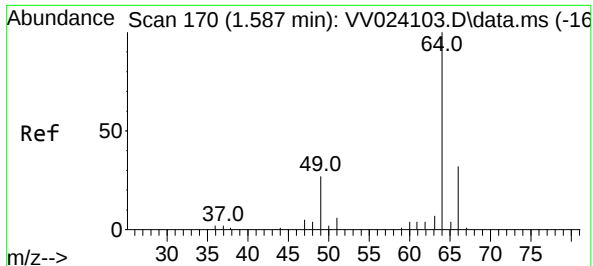
Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 27.5 22.0 41.0



#5
Vinyl chloride
Concen: 0.233 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

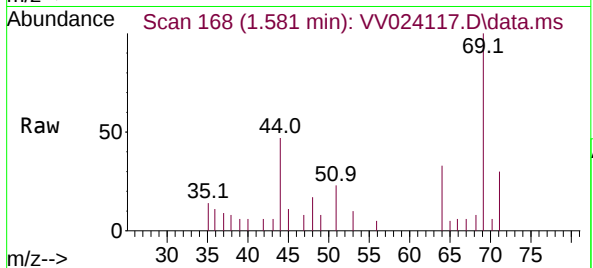
Tgt Ion: 62 Resp: 1676
Ion Ratio Lower Upper
62 100
64 77.1 22.4 41.6#



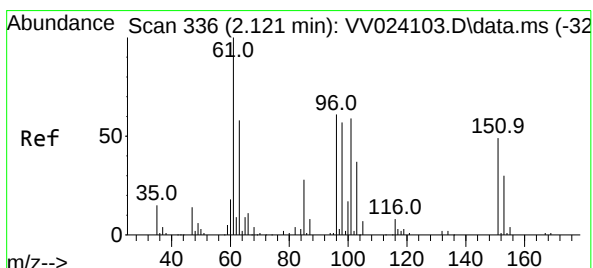
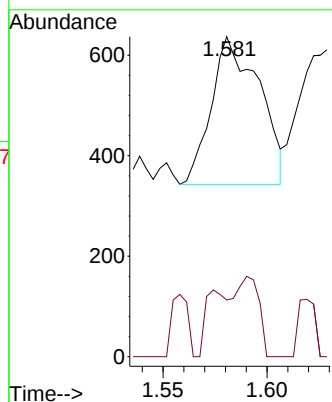
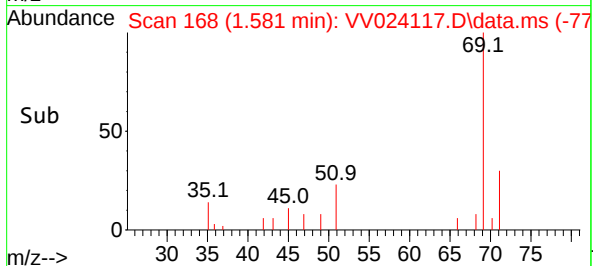


#8
Chloroethane
Concen: 0.101 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

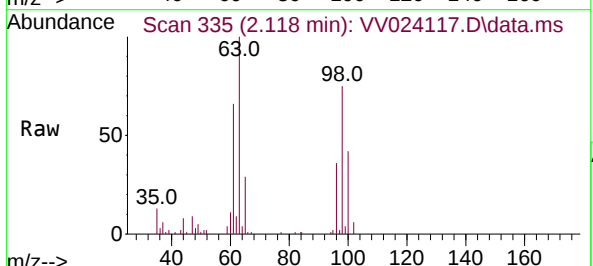
Instrument :
MSVOA_V
ClientSampleId :



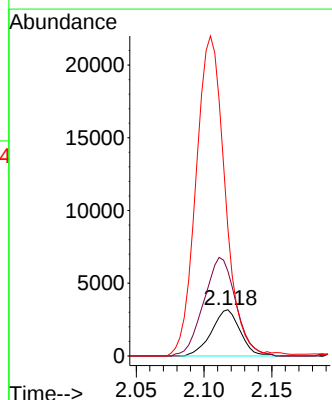
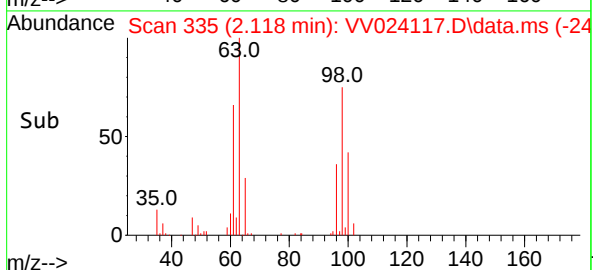
Tgt Ion: 64 Resp: 471
Ion Ratio Lower Upper
64 100
66 17.7 21.4 39.8#

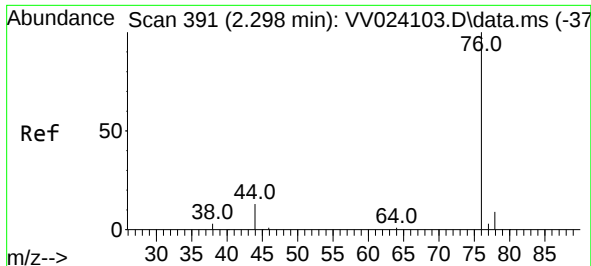


#12
1,1-Dichloroethene
Concen: 0.781 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00



Tgt Ion: 96 Resp: 4671
Ion Ratio Lower Upper
96 100
61 183.6 116.1 215.5
63 276.1 79.4 147.4#

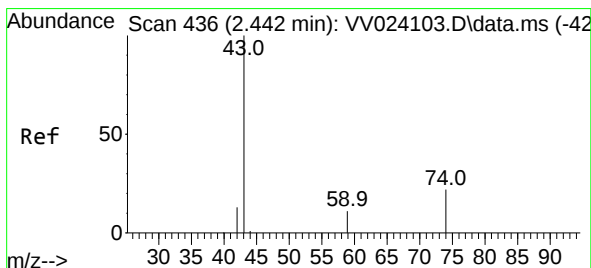
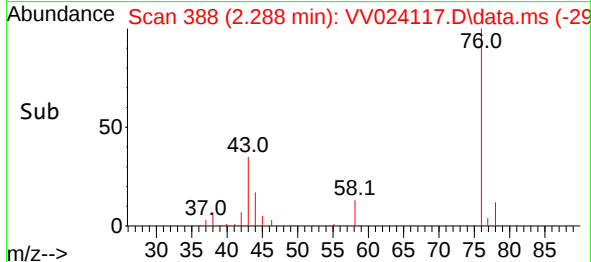
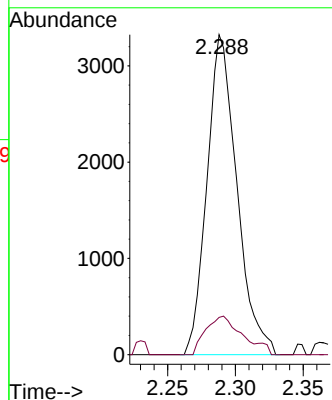
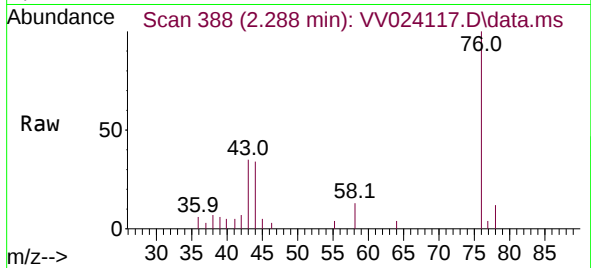




#14
Carbon disulfide
Concen: 0.293 ug/L
RT: 2.288 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

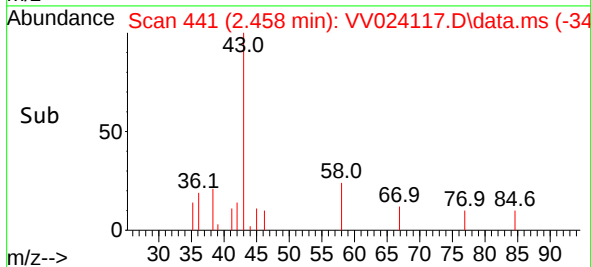
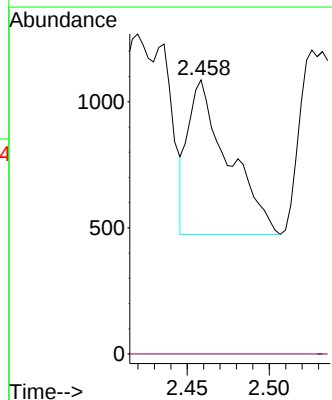
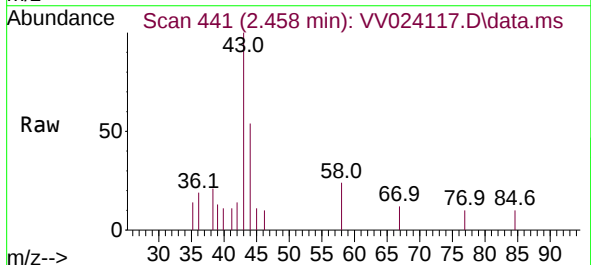
Instrument :
MSVOA_V
ClientSampleId :

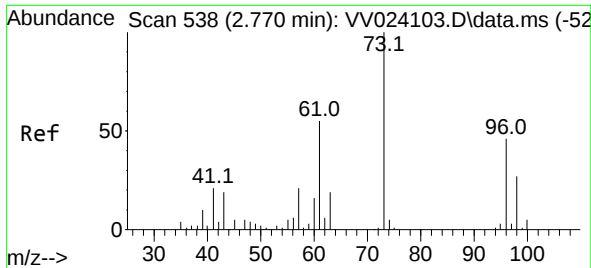
Tgt Ion: 76 Resp: 5090
Ion Ratio Lower Upper
76 100
78 11.6 7.5 11.3#



#15
Methyl Acetate
Concen: 0.576 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.016 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

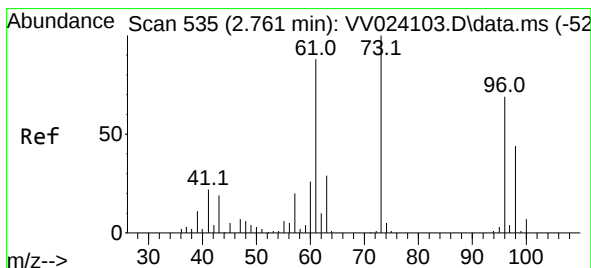
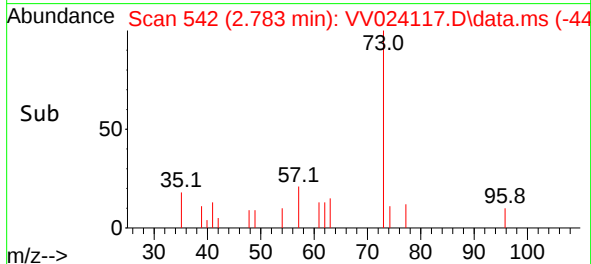
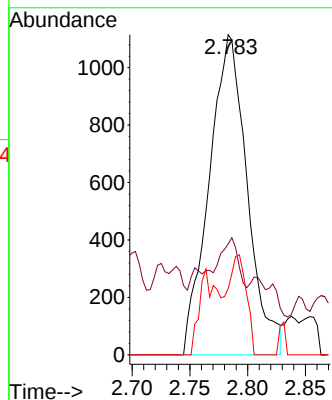
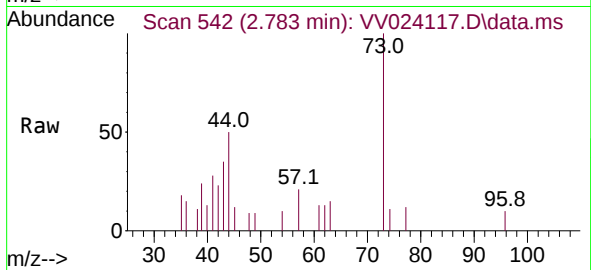




#17
Methyl tert-butyl Ether
Concen: 0.189 ug/L
RT: 2.783 min Scan# 541
Delta R.T. 0.013 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

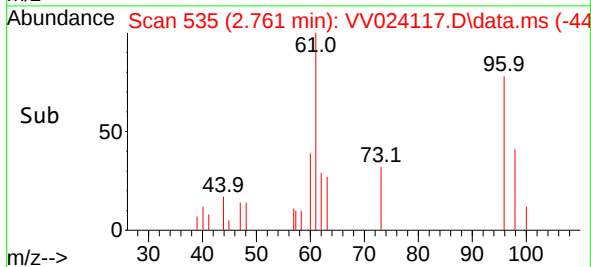
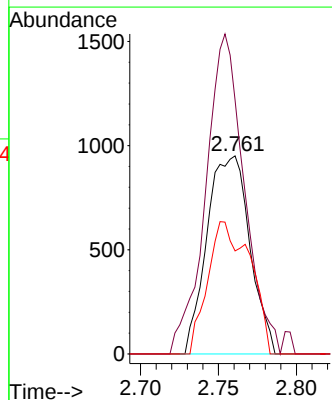
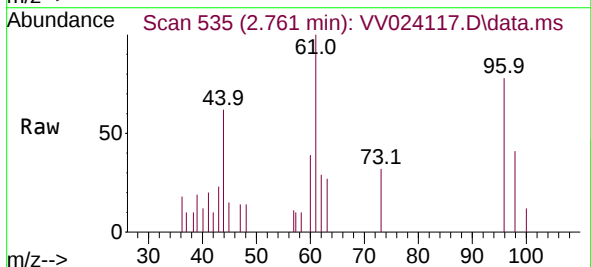
Instrument :
MSVOA_V
ClientSampleId :

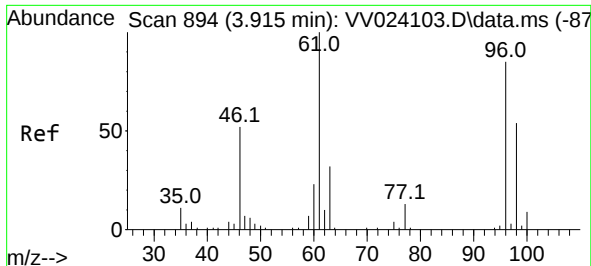
Tgt Ion: 73 Resp: 2557
Ion Ratio Lower Upper
73 100
43 6.7 15.5 23.3#
57 15.4 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

Tgt Ion: 96 Resp: 1816
Ion Ratio Lower Upper
96 100
61 128.1 88.2 163.8
98 52.1 44.9 83.5





#22

cis-1,2-Dichloroethene

Concen: 4.661 ug/L

RT: 3.908 min Scan# 894

Delta R.T. -0.006 min

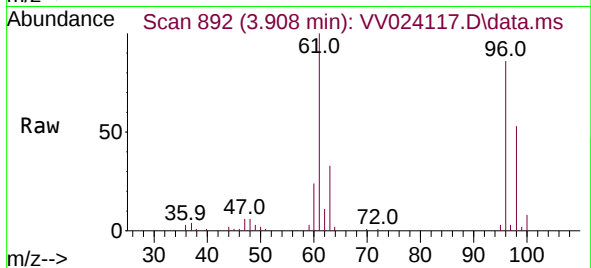
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Acq: 20 Dec 2021 03:00

Instrument :

MSVOA_V

ClientSampleId :



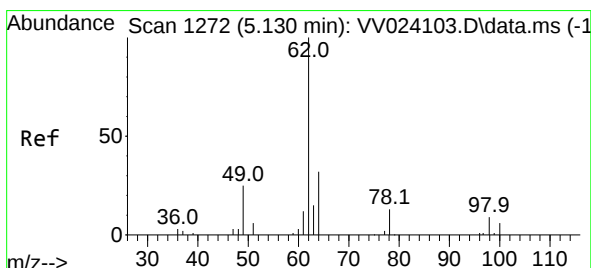
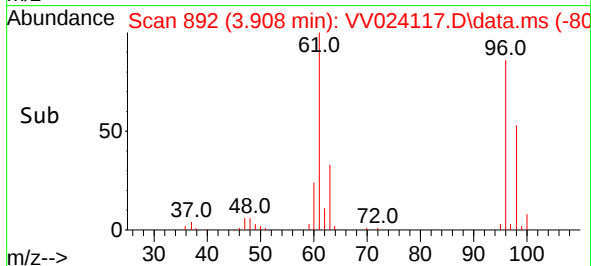
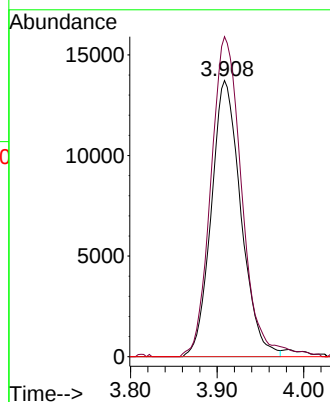
Tgt Ion: 96 Resp: 32659

Ion Ratio Lower Upper

96 100

61 115.9 83.4 154.8

68 0.0 0.0 0.0



#27

1,2-Dichloroethane

Concen: 0.093 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.087 min

Lab File: VV024117.D

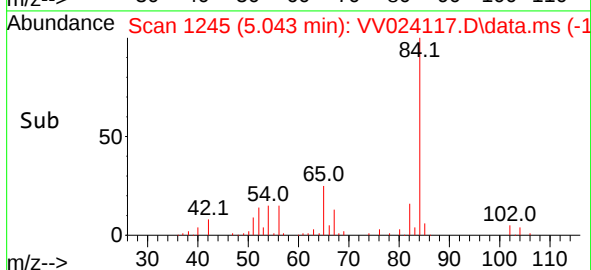
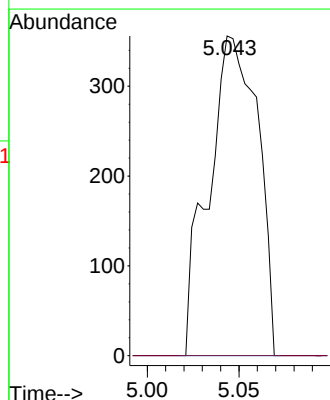
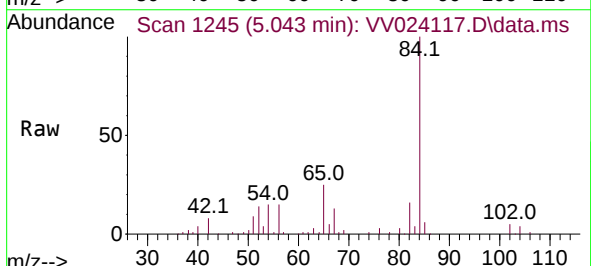
Acq: 20 Dec 2021 03:00

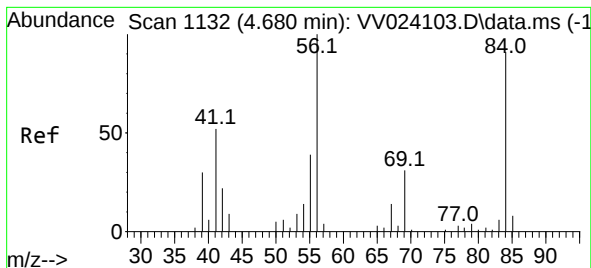
Tgt Ion: 62 Resp: 665

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#





#30

Cyclohexane

Concen: 1.182 ug/L

RT: 4.667 min Scan# 1132

Delta R.T. -0.013 min

Lab File: VV024117.D

Acq: 20 Dec 2021 03:00

Instrument :

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ClientSampleId :

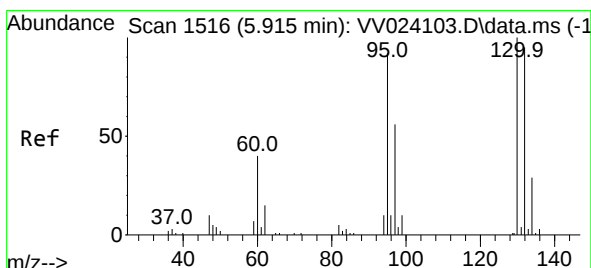
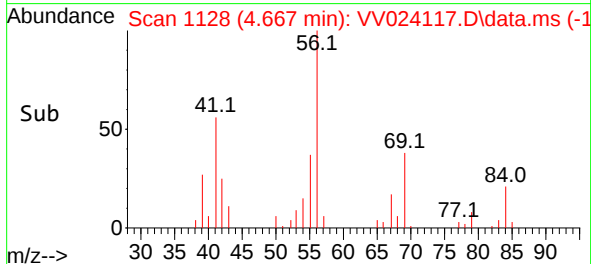
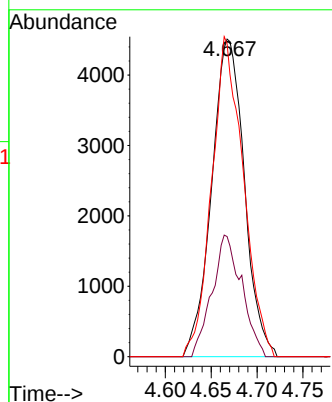
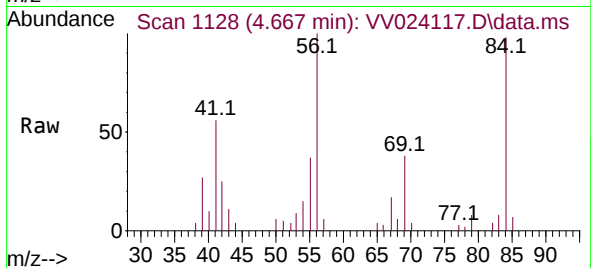
Tgt Ion: 56 Resp: 11175

Ion Ratio Lower Upper

56 100

69 34.8 24.8 37.2

84 97.3 75.9 113.9



#34

Trichloroethene

Concen: 141.398 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV024117.D

Acq: 20 Dec 2021 03:00

Tgt Ion: 95 Resp: 1027942

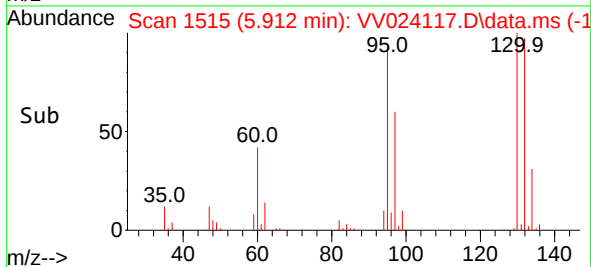
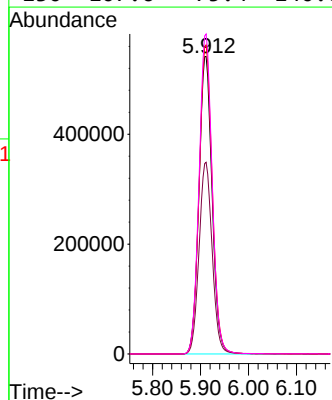
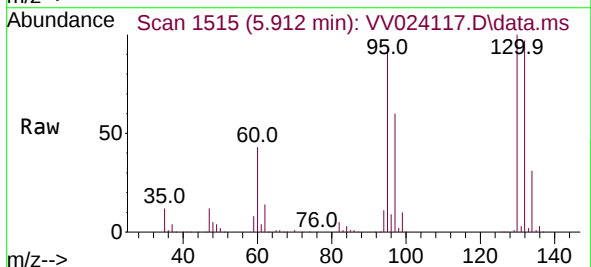
Ion Ratio Lower Upper

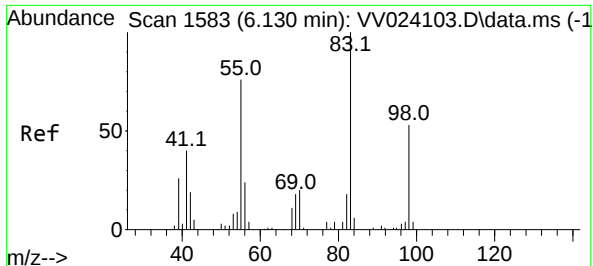
95 100

97 64.4 45.2 84.0

132 104.0 76.1 141.3

130 107.6 75.4 140.0





#35

Methylcyclohexane

Concen: 0.658 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV024117.D

Acq: 20 Dec 2021 03:00

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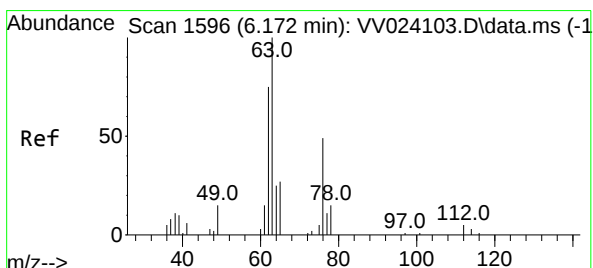
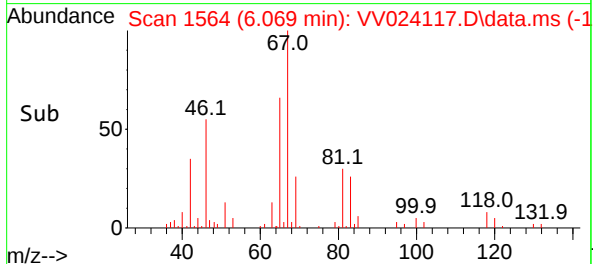
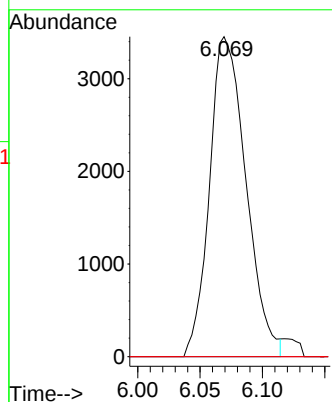
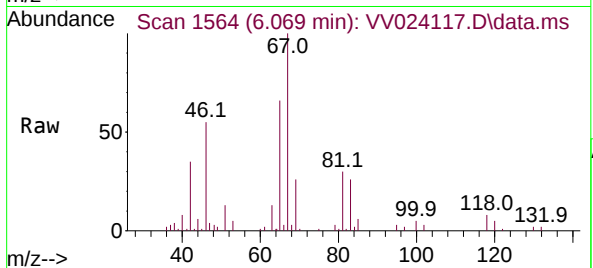
Tgt Ion: 83 Resp: 7037

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.0 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.555 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV024117.D

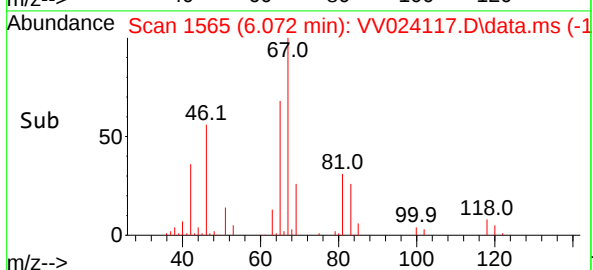
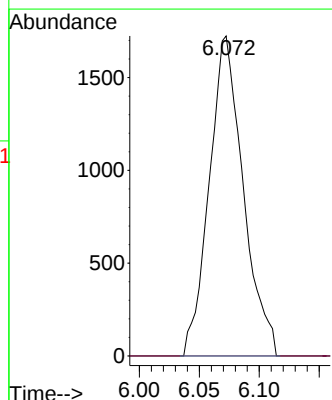
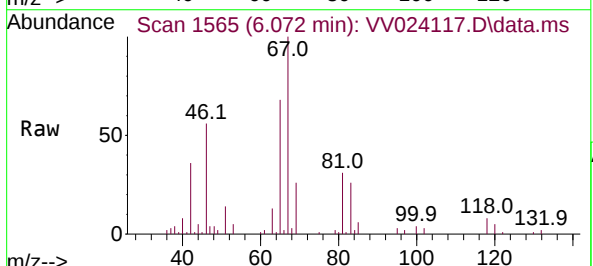
Acq: 20 Dec 2021 03:00

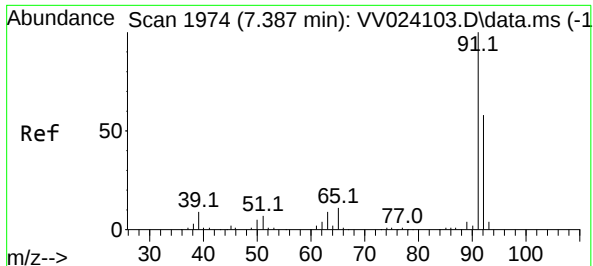
Tgt Ion: 63 Resp: 3398

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#

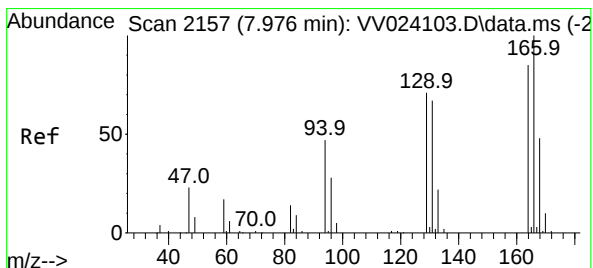
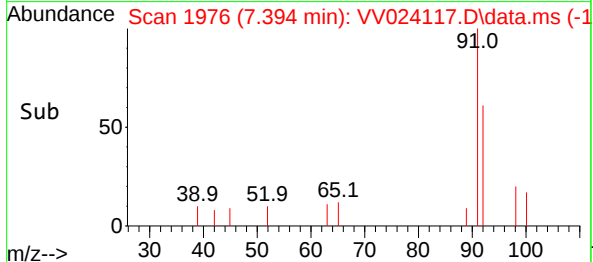
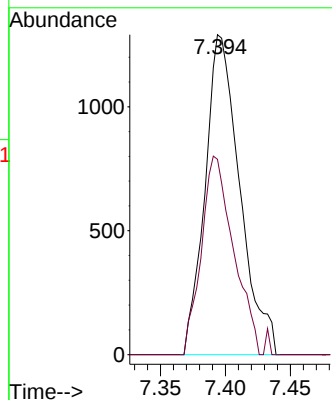
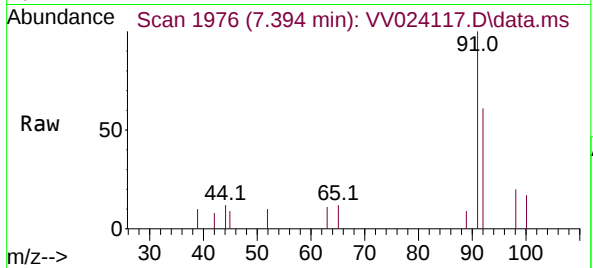




#42
Toluene
Concen: 0.083 ug/L
RT: 7.394 min Scan# 1974
Delta R.T. 0.006 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

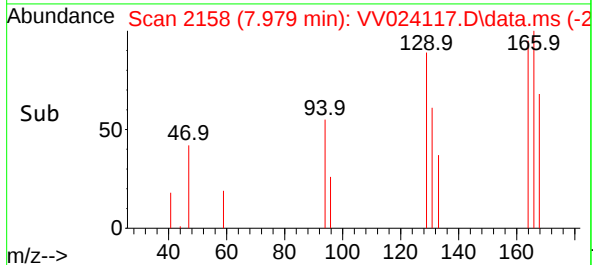
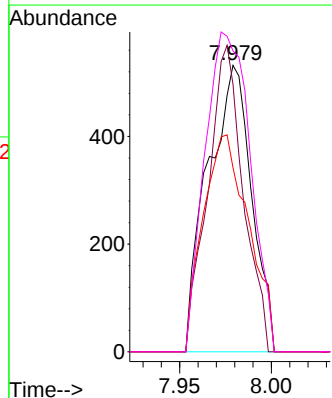
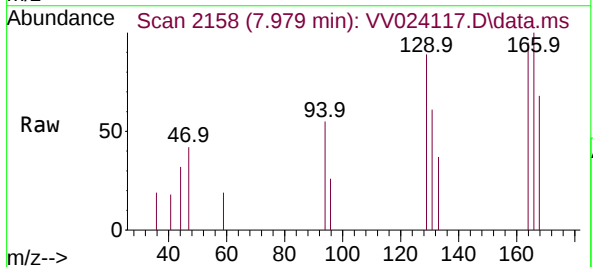
Instrument :
MSVOA_V
ClientSampleId :

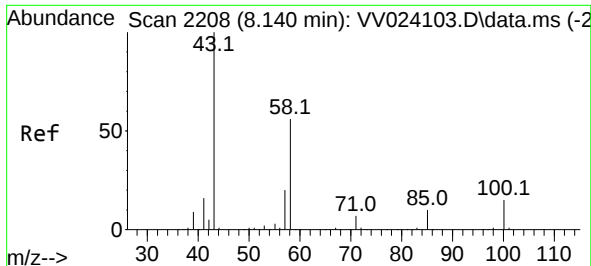
Tgt Ion: 91 Resp: 2401
Ion Ratio Lower Upper
91 100
92 61.0 41.5 77.1



#47
Tetrachloroethene
Concen: 0.138 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV024117.D
Acq: 20 Dec 2021 03:00

Tgt Ion: 164 Resp: 883
Ion Ratio Lower Upper
164 100
129 93.4 62.6 116.2
131 64.3 61.0 113.4
166 105.1 87.3 162.1





#48

2-Hexanone

Concen: 1.596 ug/L

RT: 8.149 min Scan# 2117

Delta R.T. 0.010 min

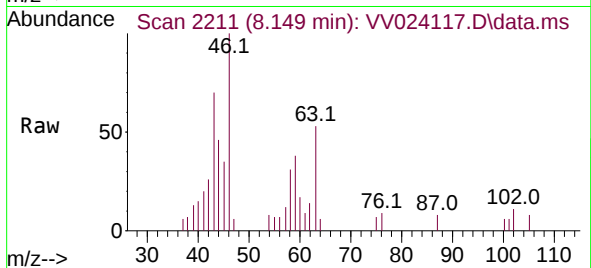
Lab File: VV024117.D

Acq: 20 Dec 2021 03:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 3406

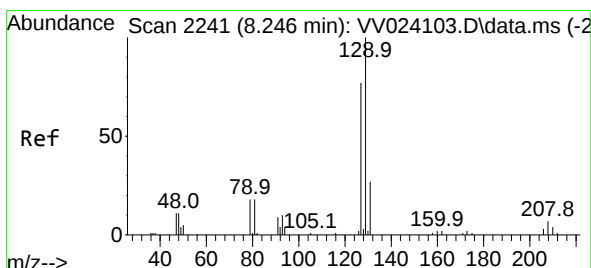
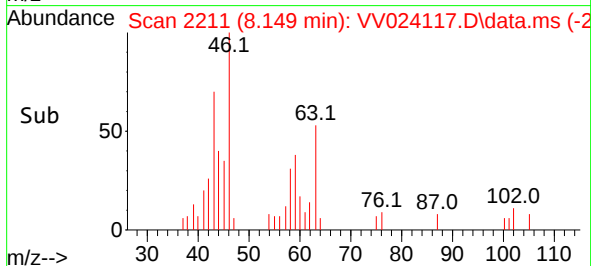
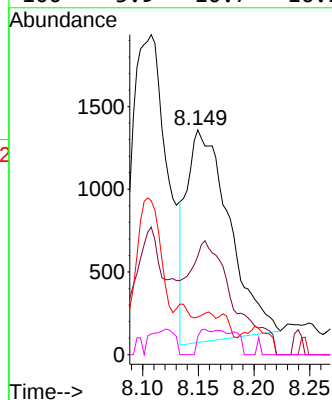
Ion Ratio Lower Upper

43 100

58 54.4 44.5 66.7

57 0.0 15.1 22.7#

100 3.9 10.7 16.1#



#49

Dibromochloromethane

Concen: 0.124 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV024117.D

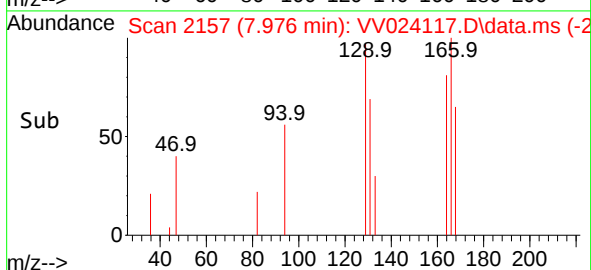
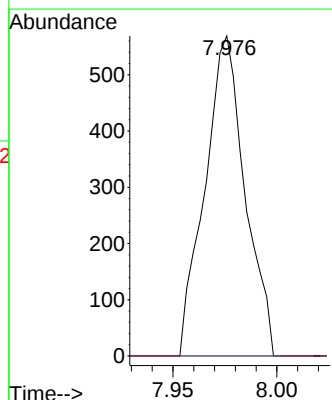
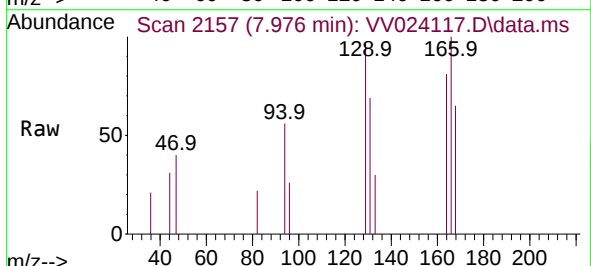
Acq: 20 Dec 2021 03:00

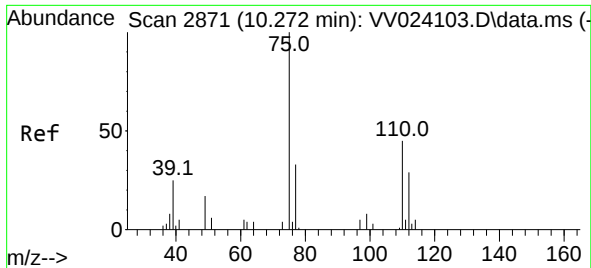
Tgt Ion: 129 Resp: 764

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#





#61

1,2,3-Trichloropropane

Concen: 1.577 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

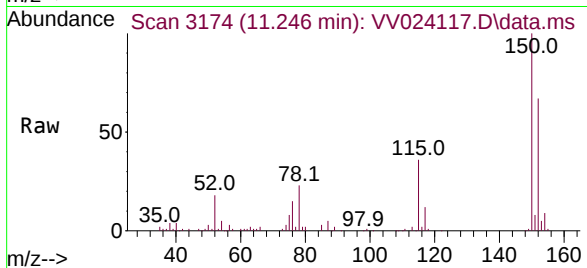
Lab File: VV024117.D

Acq: 20 Dec 2021 03:00

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 4918

Ion Ratio Lower Upper

75 100

77 35.6 26.4 39.6

110 2.6 34.2 51.2#

