

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023021.D
 Acq On : 23 Oct 2021 19:47
 Operator : SY/MD
 Sample : M4277-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:09:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	64155	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	75684	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	32489	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	33208	5.924	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.400%
7) Chloroethane-d5	1.564	69	16882	4.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.098	63	31272	3.867	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	3.912	46	50113	55.726	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.460%
24) Chloroform-d	4.346	84	45991	5.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
26) 1,2-Dichloroethane-d4	5.034	65	24751	5.761	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.200%
32) Benzene-d6	5.050	84	88831	4.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.072	67	27901	4.102	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.000%
41) Toluene-d8	7.320	98	85879	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.628	79	11077	4.648	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.098	63	60936	69.060	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	138.120%#
56) 1,1,2,2-Tetrachloroeth...	10.220	84	31082	6.618	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	132.400%#
66) 1,2-Dichlorobenzene-d4	11.628	152	35761	6.169	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	372	0.085	ug/L	85
5) Vinyl chloride	1.307	62	2063	0.454	ug/L #	70
6) Bromomethane	1.519	94	112	0.049	ug/L	71
12) 1,1-Dichloroethene	2.098	96	319	0.097	ug/L #	1
13) Acetone	2.198	43	30091	68.202	ug/L	100
14) Carbon disulfide	2.281	76	833	0.093	ug/L #	75
15) Methyl Acetate	2.198	43	21521	12.822	ug/L #	48
16) Methylene chloride	2.503	84	1691	0.469	ug/L	93
17) Methyl tert-butyl Ether	2.764	73	708	0.090	ug/L #	51
22) cis-1,2-Dichloroethene	3.908	96	30146	7.582	ug/L #	93
27) 1,2-Dichloroethane	5.047	62	345	0.077	ug/L #	72
34) Trichloroethene	5.915	95	345	0.067	ug/L	92
35) Methylcyclohexane	6.069	83	7253	0.990	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	3198	0.623	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	714	0.112	ug/L #	54
42) Toluene	7.400	91	4147	0.201	ug/L	97
47) Tetrachloroethene	7.982	164	1606	0.372	ug/L	88
48) 2-Hexanone	8.159	43	3726	2.077	ug/L #	48
49) Dibromochloromethane	7.985	129	1369	0.320	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Oct 25 01:03:32 2021
Response via : Initial Calibration

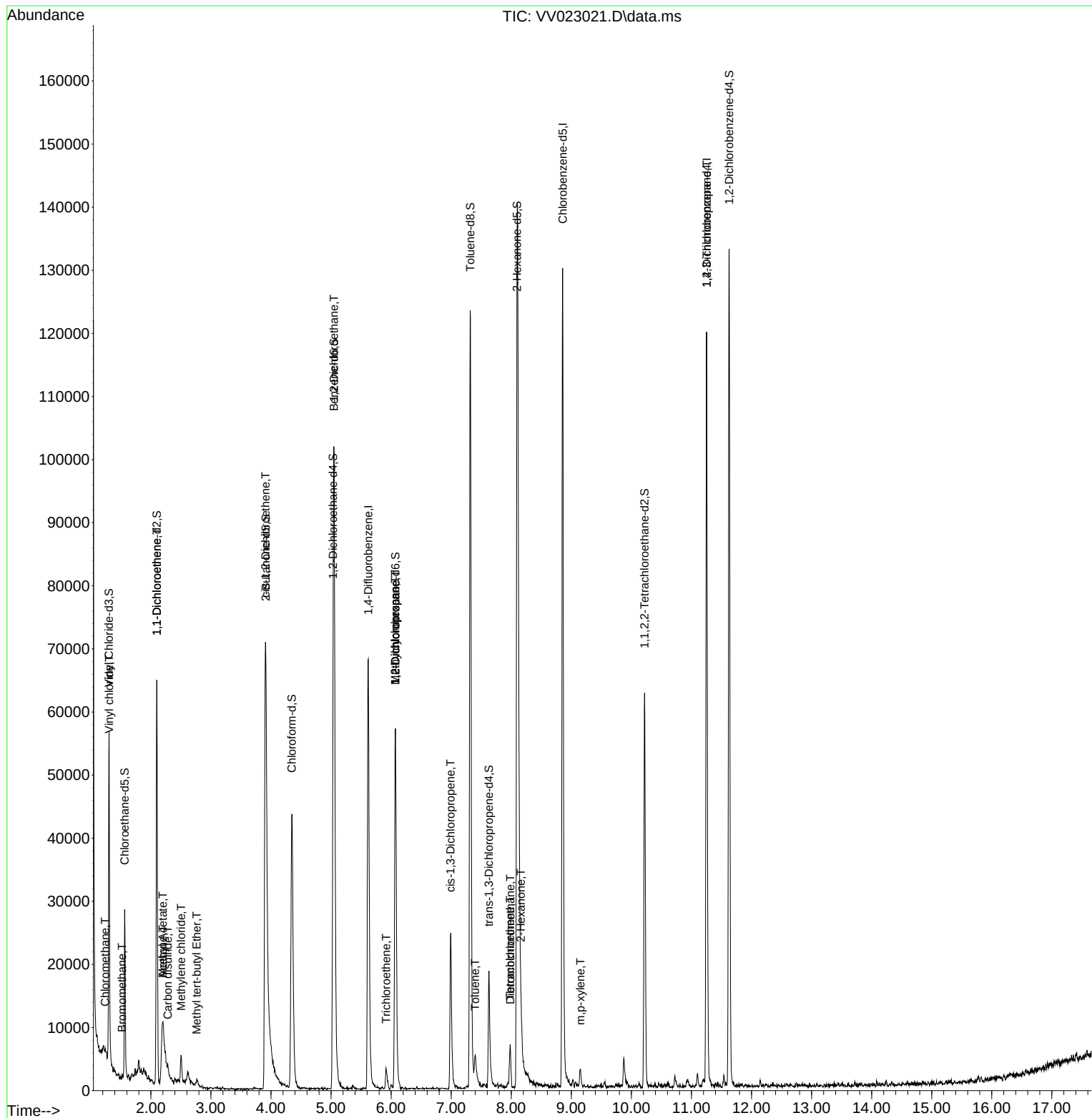
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.153	106	860	0.105	ug/L	86
61) 1,2,3-Trichloropropane	11.252	75	3900	1.705	ug/L #	65

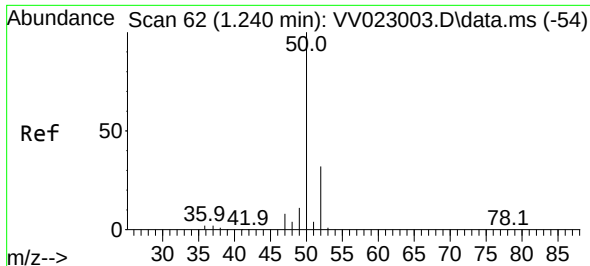
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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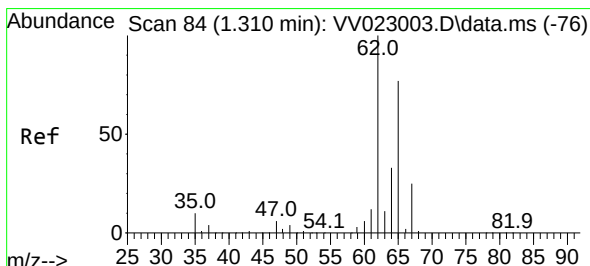
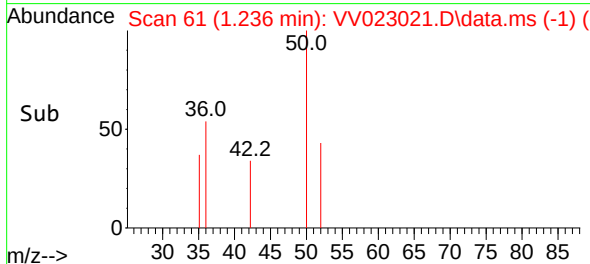
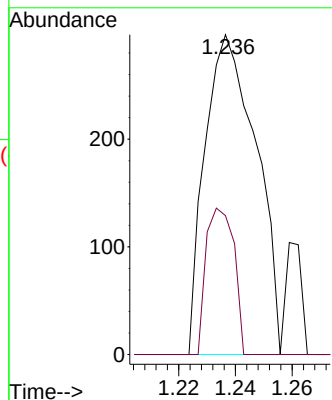
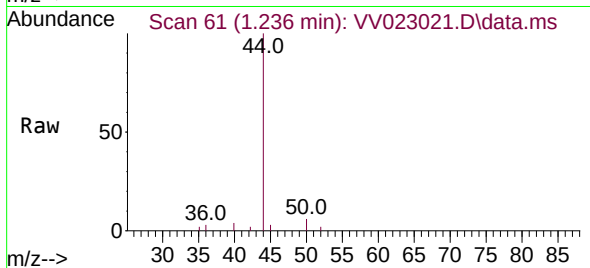




#3
Chloromethane
Concen: 0.085 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

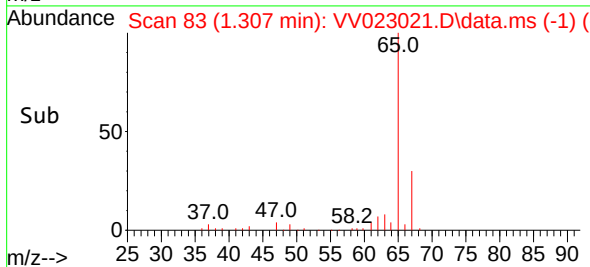
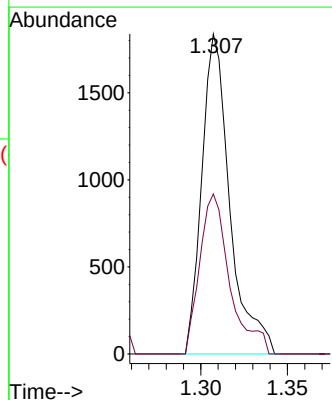
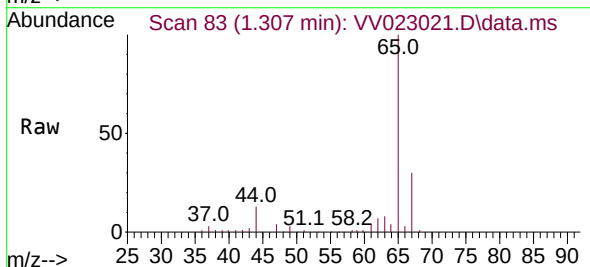
Instrument :
MSVOA_V
ClientSampleId :

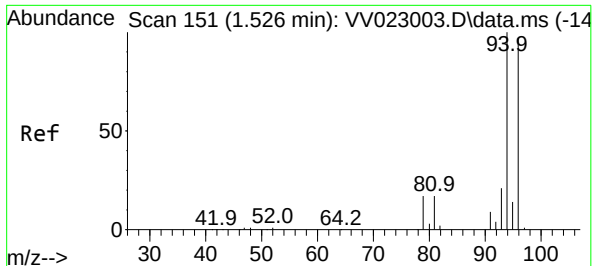
Tgt Ion: 50 Resp: 372
Ion Ratio Lower Upper
50 100
52 43.4 24.3 45.1



#5
Vinyl chloride
Concen: 0.454 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

Tgt Ion: 62 Resp: 2063
Ion Ratio Lower Upper
62 100
64 50.0 23.1 42.9#

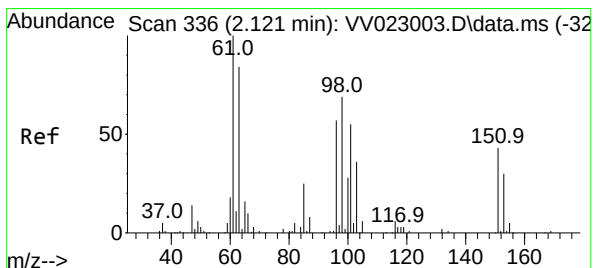
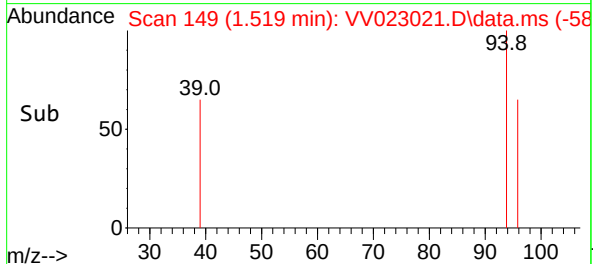
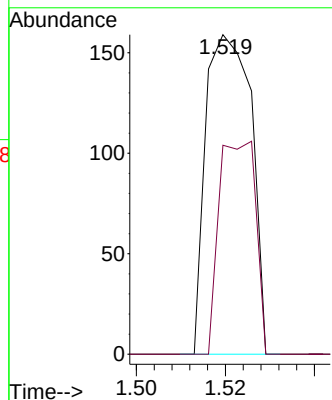
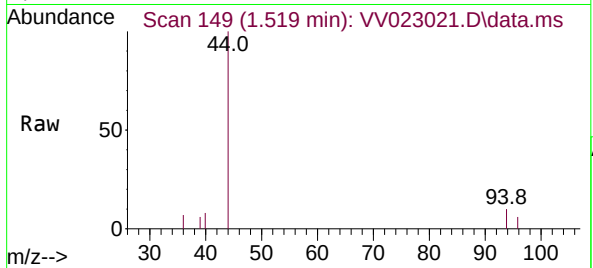




#6
Bromomethane
Concen: 0.049 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.006 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

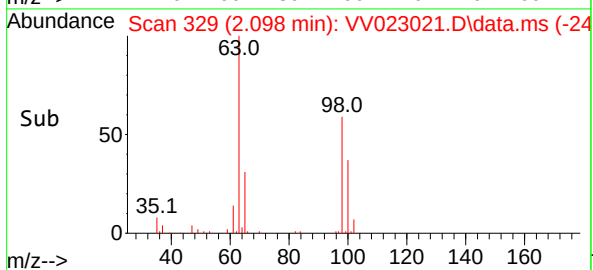
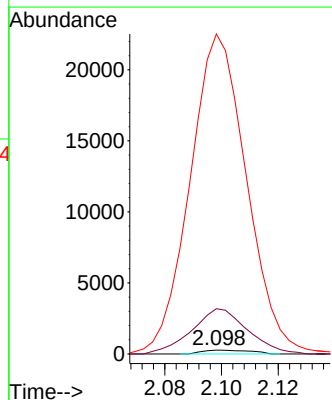
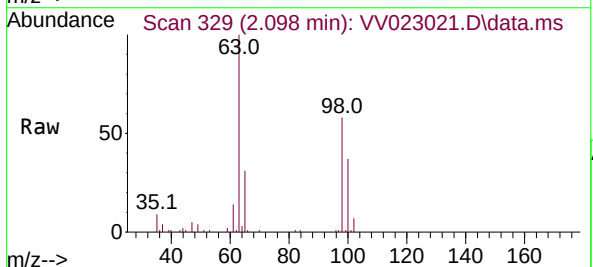
Instrument :
MSVOA_V
ClientSampleId :

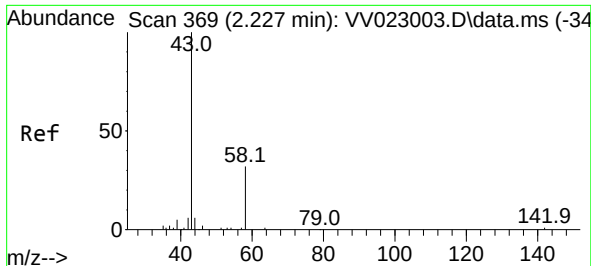
Tgt Ion: 94 Resp: 112
Ion Ratio Lower Upper
94 100
96 65.4 65.0 120.8



#12
1,1-Dichloroethene
Concen: 0.097 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.022 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

Tgt Ion: 96 Resp: 319
Ion Ratio Lower Upper
96 100
61 1161.7 121.5 225.7#
63 8221.9 99.6 185.0#





#13

Acetone

Concen: 68.202 ug/L

RT: 2.198 min Scan# 30

Delta R.T. -0.029 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Instrument :

MSVOA_V

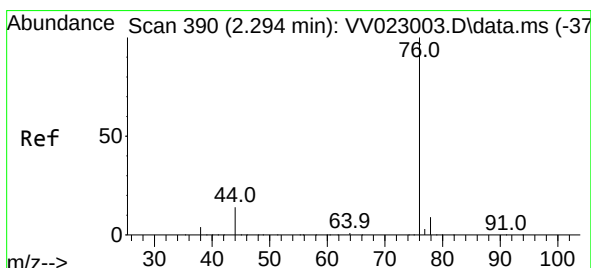
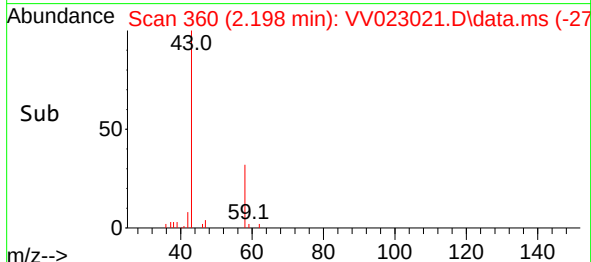
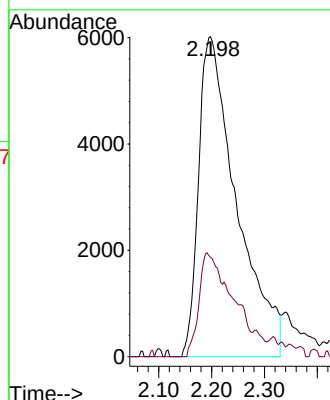
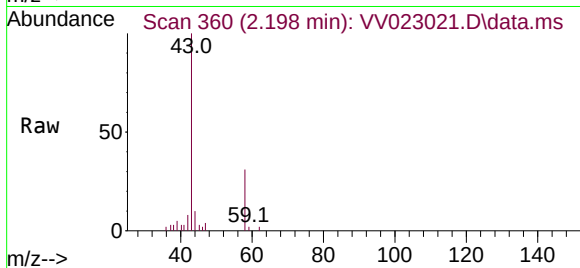
ClientSampleId :

Tgt Ion: 43 Resp: 30091

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.4



#14

Carbon disulfide

Concen: 0.093 ug/L

RT: 2.281 min Scan# 386

Delta R.T. -0.013 min

Lab File: VV023021.D

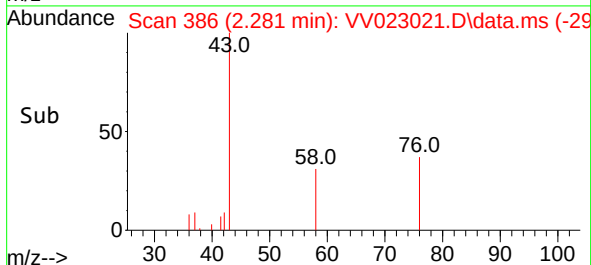
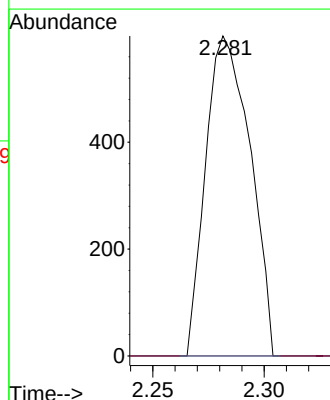
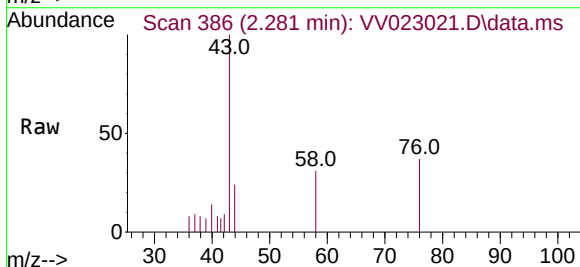
Acq: 23 Oct 2021 19:47

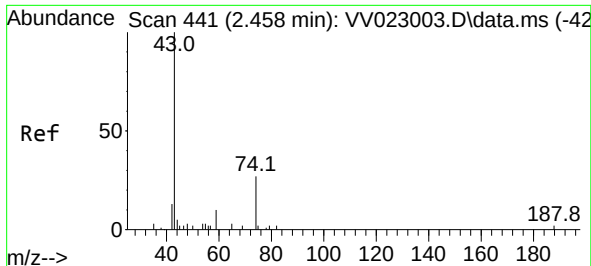
Tgt Ion: 76 Resp: 833

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

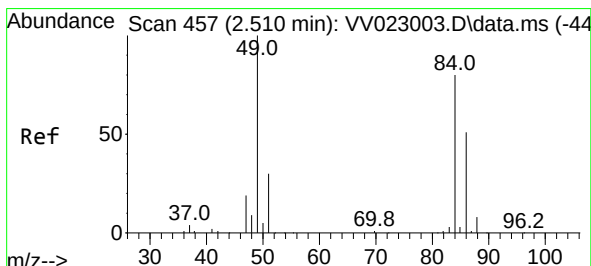
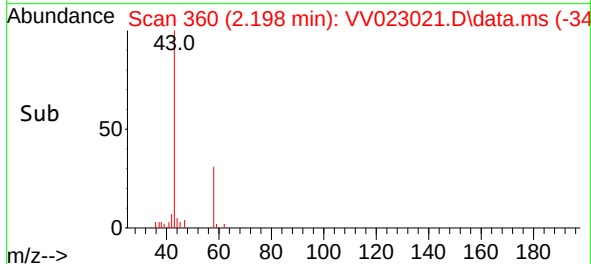
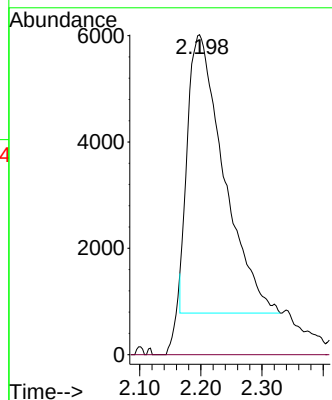
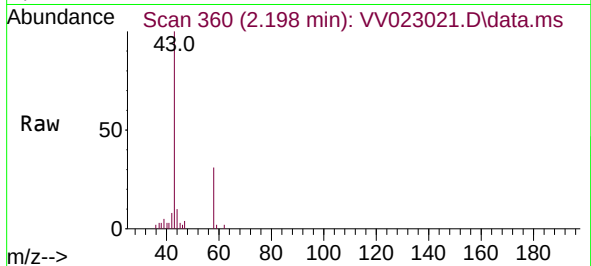




#15
Methyl Acetate
Concen: 12.822 ug/L
RT: 2.198 min Scan# 30
Delta R.T. -0.260 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

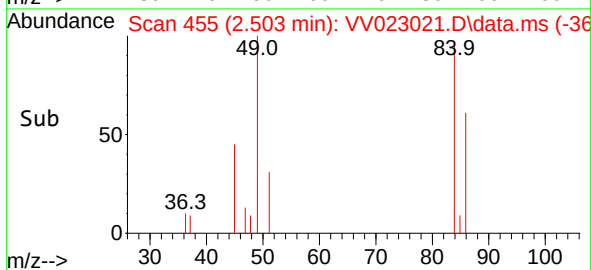
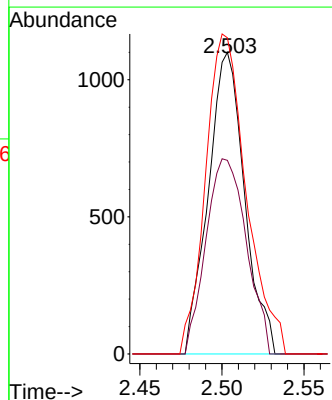
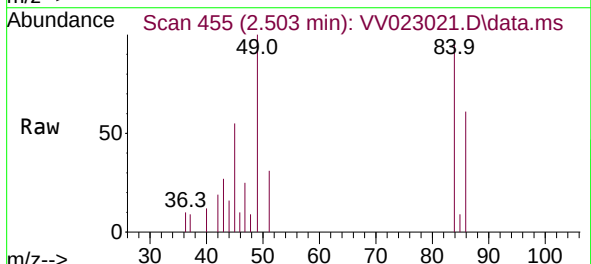
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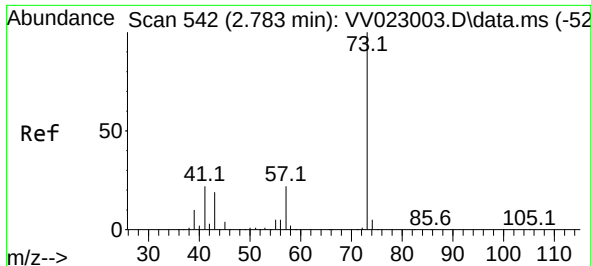
Tgt Ion: 43 Resp: 21521
Ion Ratio Lower Upper
43 100
74 0.3 22.2 33.2#



#16
Methylene chloride
Concen: 0.469 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.006 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

Tgt Ion: 84 Resp: 1691
Ion Ratio Lower Upper
84 100
86 64.2 42.3 78.5
49 104.8 79.7 148.1

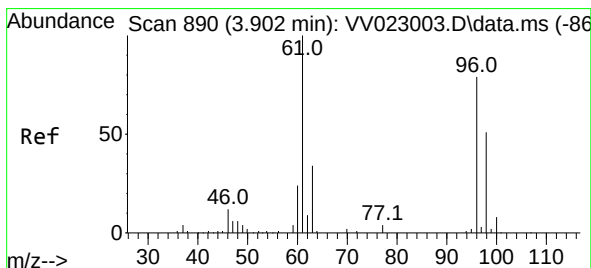
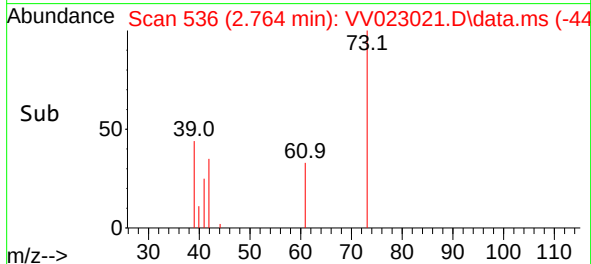
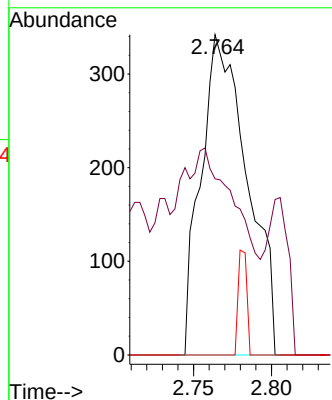
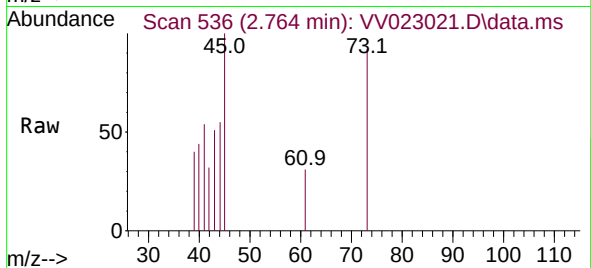




#17
Methyl tert-butyl Ether
Concen: 0.090 ug/L
RT: 2.764 min Scan# 51
Delta R.T. -0.019 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

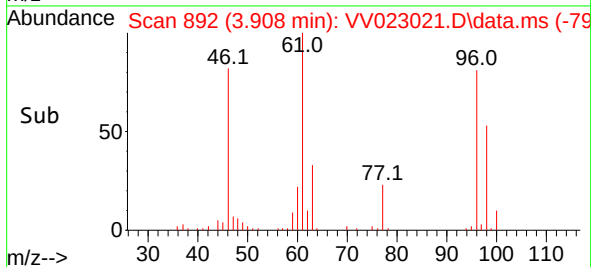
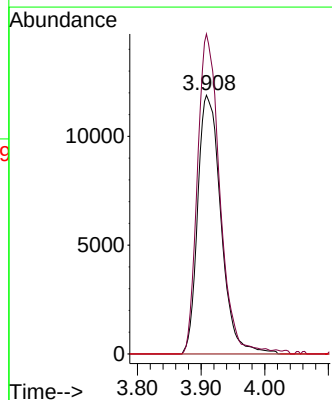
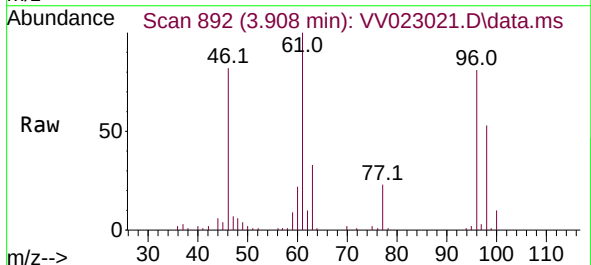
Instrument :
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ClientSampleId :

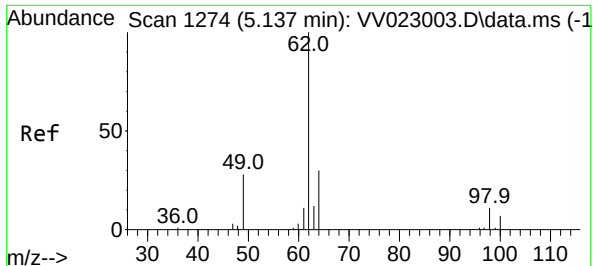
Tgt Ion: 73 Resp: 708
Ion Ratio Lower Upper
73 100
43 53.1 17.4 26.0#
57 6.1 16.5 24.7#



#22
cis-1,2-Dichloroethene
Concen: 7.582 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.007 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

Tgt Ion: 96 Resp: 30146
Ion Ratio Lower Upper
96 100
61 123.7 92.3 171.3
68 0.0 0.4 0.8#





#27

1,2-Dichloroethane

Concen: 0.077 ug/L

RT: 5.047 min Scan# 1

Delta R.T. -0.090 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Instrument :

MSVOA_V

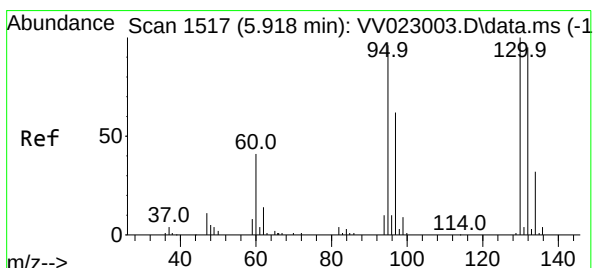
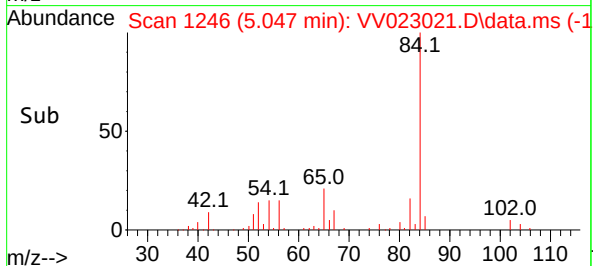
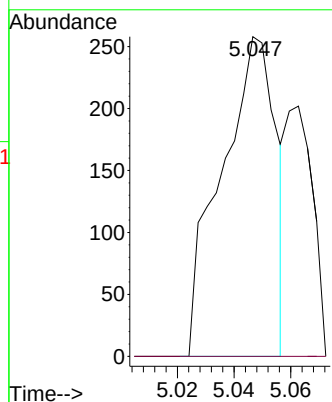
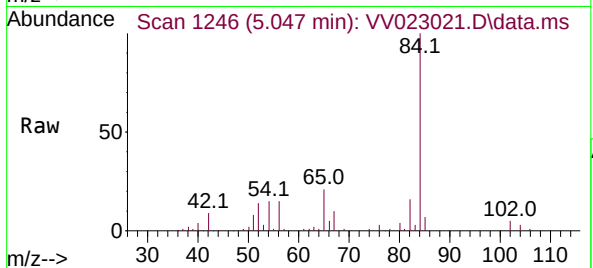
ClientSampleId :

Tgt Ion: 62 Resp: 345

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#34

Trichloroethene

Concen: 0.067 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. -0.003 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Tgt Ion: 95 Resp: 345

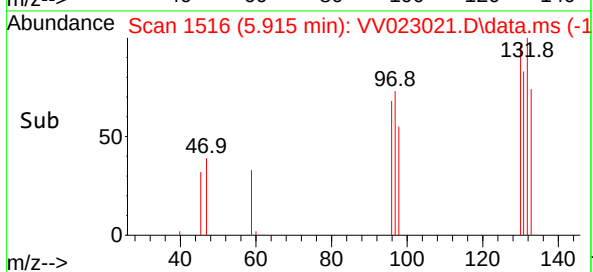
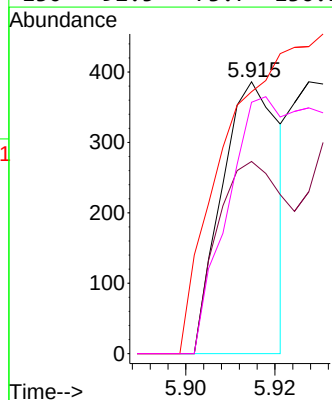
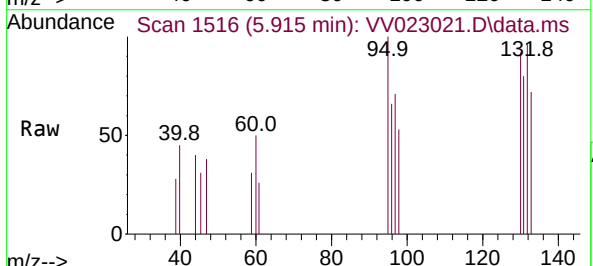
Ion Ratio Lower Upper

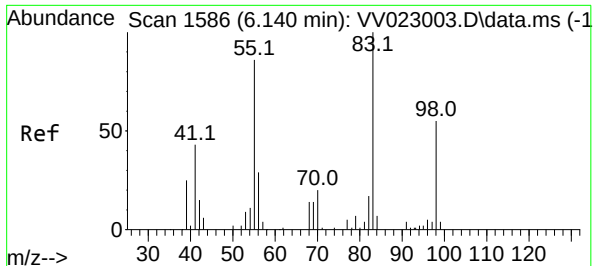
95 100

97 70.7 45.0 83.6

132 96.4 69.7 129.4

130 92.5 73.7 136.9

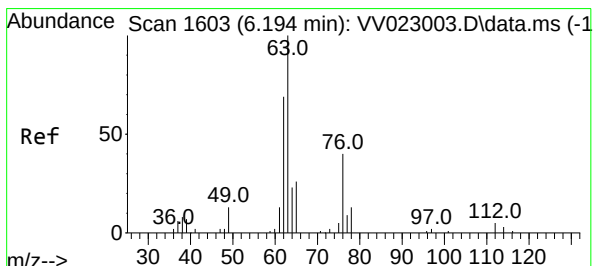
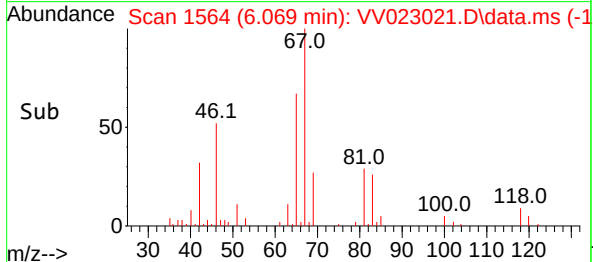
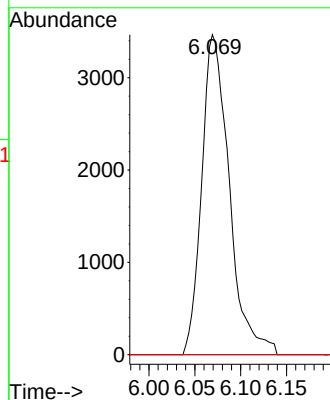
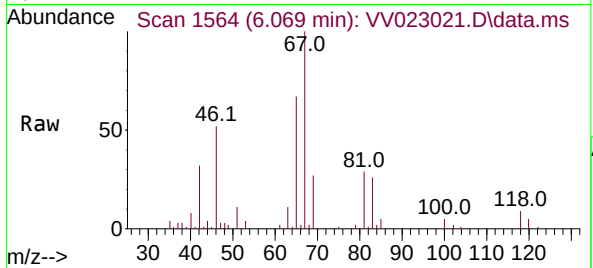




#35
Methylcyclohexane
Concen: 0.990 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.071 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

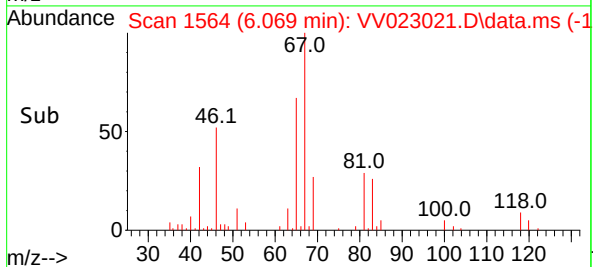
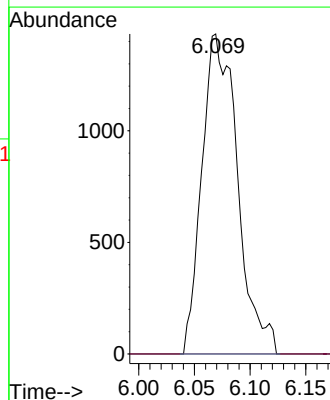
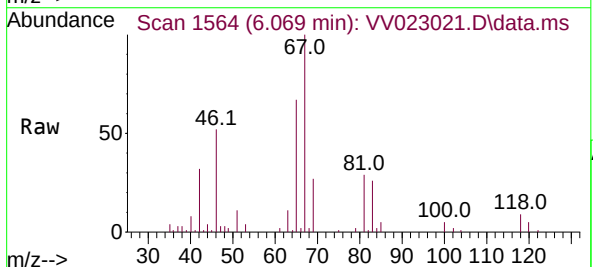
Instrument :
MSVOA_V
ClientSampleId :

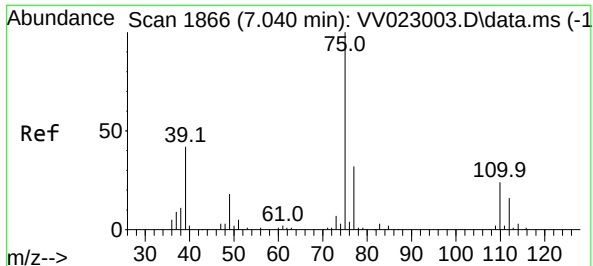
Tgt Ion: 83 Resp: 7253
Ion Ratio Lower Upper
83 100
55 0.0 62.8 94.2#
98 1.3 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.623 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.125 min
Lab File: VV023021.D
Acq: 23 Oct 2021 19:47

Tgt Ion: 63 Resp: 3198
Ion Ratio Lower Upper
63 100
112 0.0 4.6 6.8#





#39

cis-1,3-Dichloropropene

Concen: 0.112 ug/L

RT: 6.989 min Scan# 1866

Delta R.T. -0.051 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Instrument :

MSVOA_V

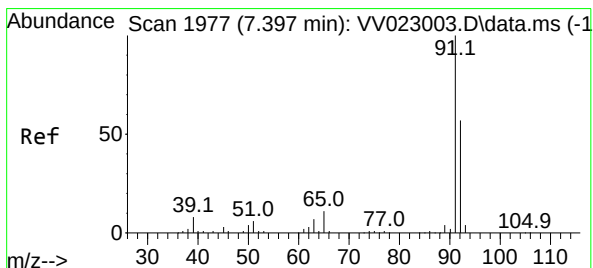
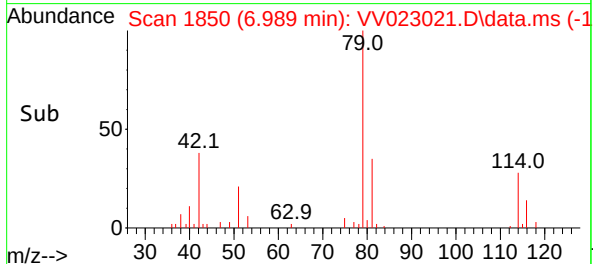
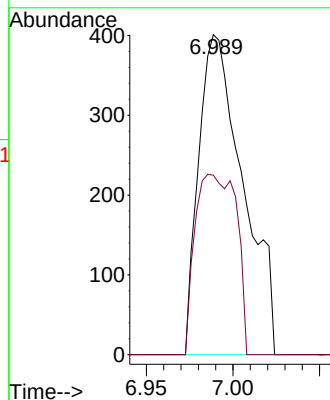
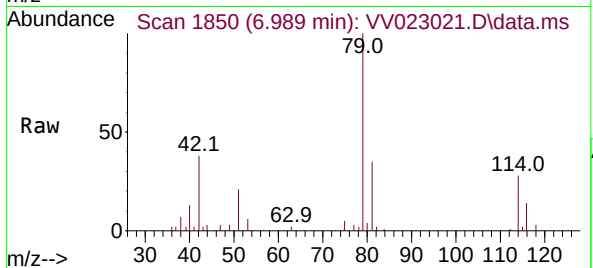
ClientSampleId :

Tgt Ion: 75 Resp: 714

Ion Ratio Lower Upper

75 100

77 56.1 21.6 40.2#



#42

Toluene

Concen: 0.201 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.003 min

Lab File: VV023021.D

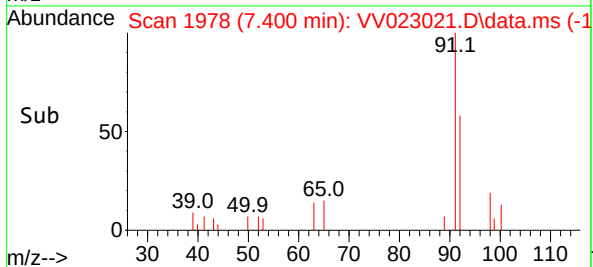
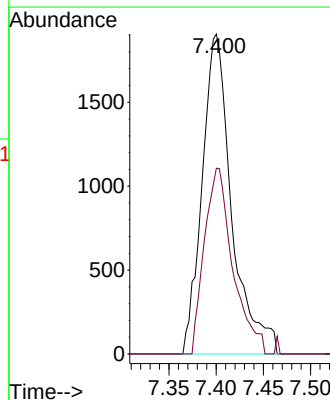
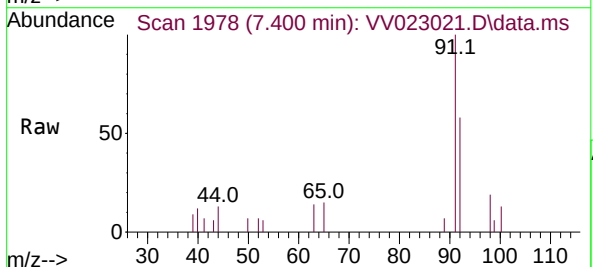
Acq: 23 Oct 2021 19:47

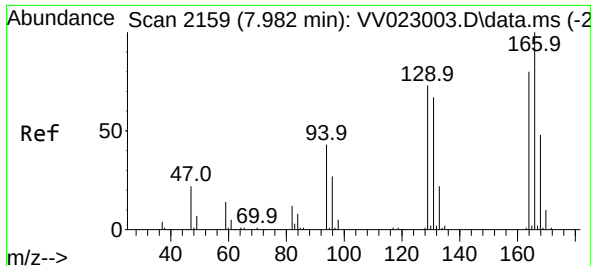
Tgt Ion: 91 Resp: 4147

Ion Ratio Lower Upper

91 100

92 58.0 39.3 72.9





#47

Tetrachloroethene

Concen: 0.372 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.000 min

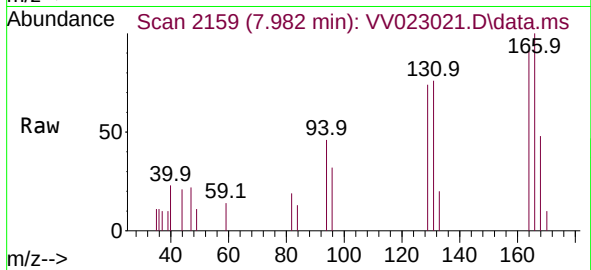
Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 1606

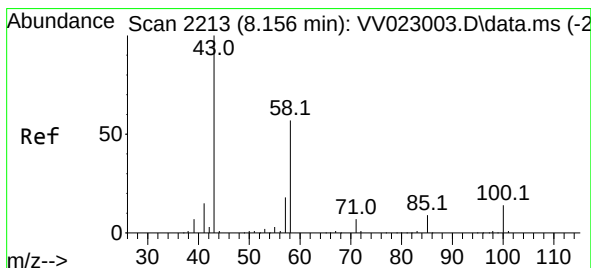
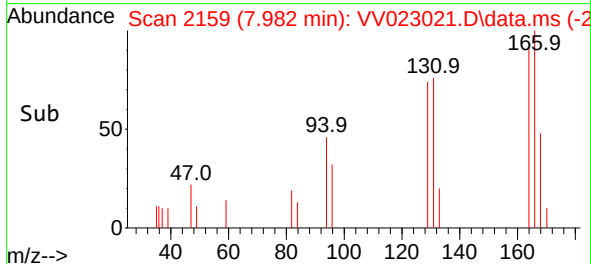
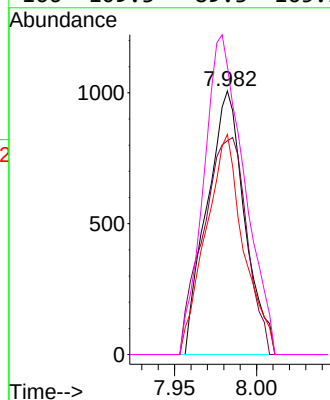
Ion Ratio Lower Upper

164 100

129 81.1 64.0 119.0

131 83.5 63.4 117.8

166 109.3 89.3 165.9



#48

2-Hexanone

Concen: 2.077 ug/L

RT: 8.159 min Scan# 2214

Delta R.T. 0.003 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Tgt Ion: 43 Resp: 3726

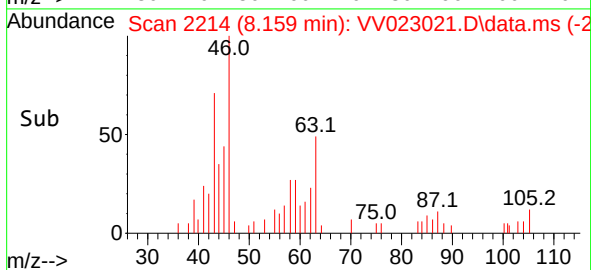
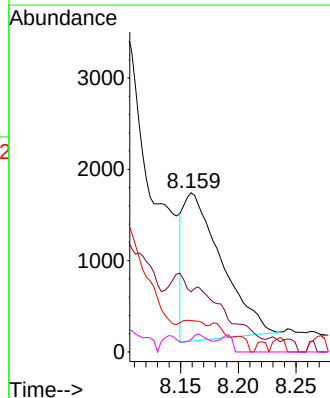
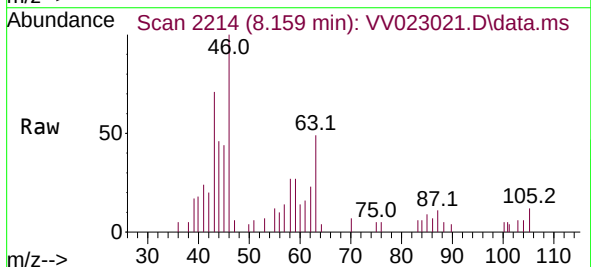
Ion Ratio Lower Upper

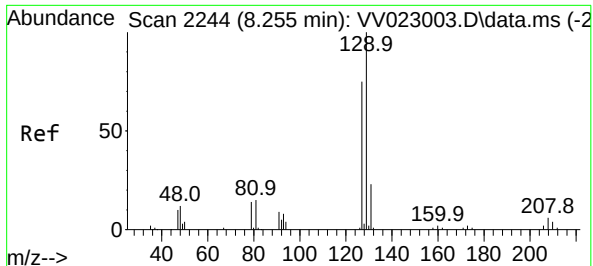
43 100

58 7.0 43.7 65.5#

57 3.2 14.1 21.1#

100 6.2 10.2 15.2#





#49

Dibromochloromethane

Concen: 0.320 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.270 min

Lab File: VV023021.D

Acq: 23 Oct 2021 19:47

Instrument :

MSVOA_V

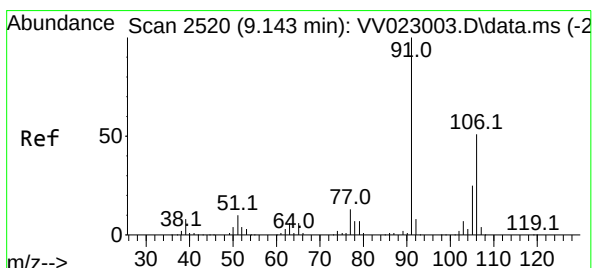
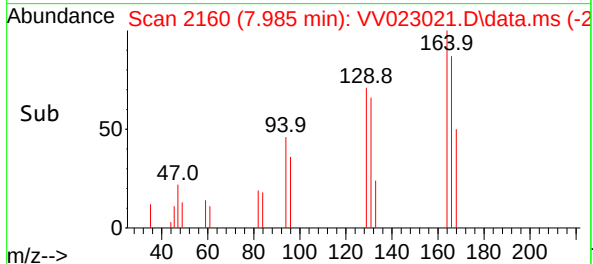
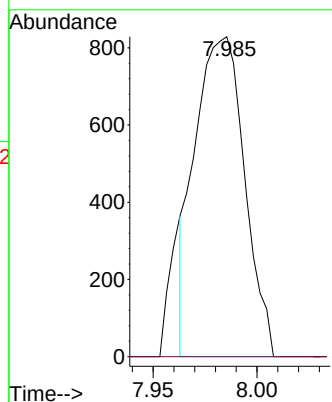
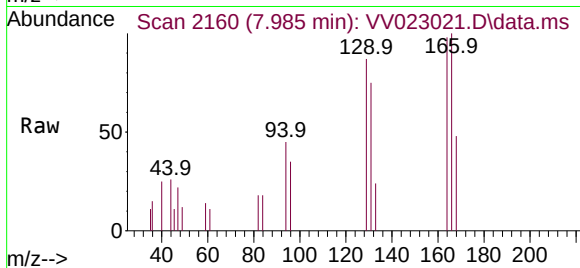
ClientSampleId :

Tgt Ion:129 Resp: 1369

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#53

m,p-xylene

Concen: 0.105 ug/L

RT: 9.153 min Scan# 2523

Delta R.T. 0.010 min

Lab File: VV023021.D

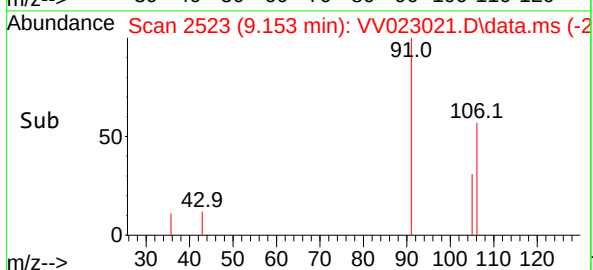
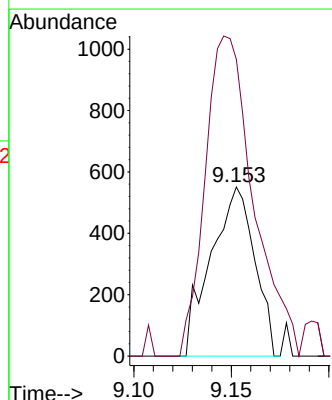
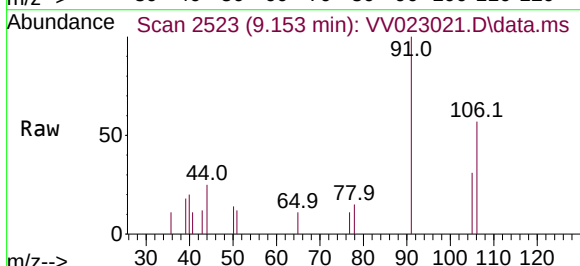
Acq: 23 Oct 2021 19:47

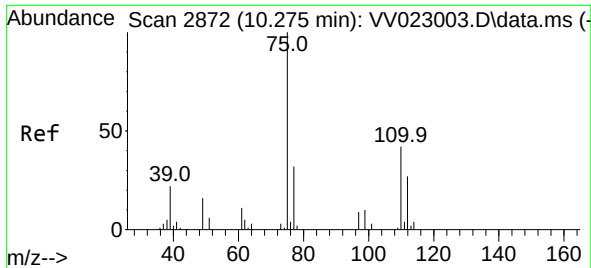
Tgt Ion:106 Resp: 860

Ion Ratio Lower Upper

106 100

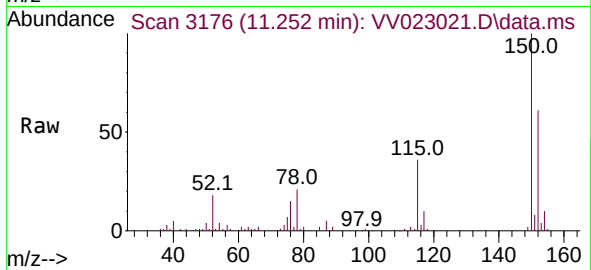
91 175.5 137.2 254.8





#61
 1,2,3-Trichloropropane
 Concen: 1.705 ug/L
 RT: 11.252 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV023021.D
 Acq: 23 Oct 2021 19:47

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 3900
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.6 39.8
 110 1.1 31.8 47.6#

