

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121021\
 Data File : VW023901.D
 Acq On : 10 Dec 2021 21:02
 Operator : SY/MD
 Sample : M4984-03DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 04:53:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 11 04:33:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	102363	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	107343	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55439	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	26640	4.841	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.800%
7) Chloroethane-d5	1.567	69	23035	5.017	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.108	63	35890	3.341	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.800%
20) 2-Butanone-d5	3.915	46	66016	61.404	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.800%
24) Chloroform-d	4.352	84	60754	4.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	5.037	65	30762	5.301	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.000%
32) Benzene-d6	5.053	84	104963	4.937	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.072	67	32631	5.087	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.316	98	82832	4.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
43) trans-1,3-Dichloroprop...	7.625	79	11668	4.385	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.091	63	57770	48.495	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	26074	4.900	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	40259	5.436	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	475	0.062	ug/L	87
5) Vinyl chloride	1.310	62	571	0.069	ug/L #	22
6) Bromomethane	1.526	94	231	0.044	ug/L	79
8) Chloroethane	1.587	64	71432	13.296	ug/L	97
12) 1,1-Dichloroethene	2.104	96	477	0.069	ug/L #	1
18) trans-1,2-Dichloroethene	2.764	96	480	0.063	ug/L	88
19) 1,1-Dichloroethane	3.188	63	36719	2.691	ug/L	98
22) cis-1,2-Dichloroethene	3.915	96	1610	0.200	ug/L	95
29) 1,1,1-Trichloroethane	4.609	97	17940	1.277	ug/L	99
31) Carbon tetrachloride	4.619	117	2620	0.198	ug/L	87
37) 1,2-Dichloropropane	6.072	63	3916	0.543	ug/L #	84
47) Tetrachloroethene	7.982	164	3330	0.442	ug/L	95
48) 2-Hexanone	8.091	43	7081	2.817	ug/L #	68
49) Dibromochloromethane	7.979	129	3110	0.428	ug/L #	11
60) Isopropylbenzene	9.934	105	4138	0.127	ug/L #	96
61) 1,2,3-Trichloropropane	11.249	75	5700	1.509	ug/L #	62
63) 1,2,4-Trimethylbenzene	10.918	105	8886	0.330	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	1472	0.097	ug/L #	74
71) Naphthalene	13.509	128	5592	0.362	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Dec 11 04:33:17 2021
Response via : Initial Calibration

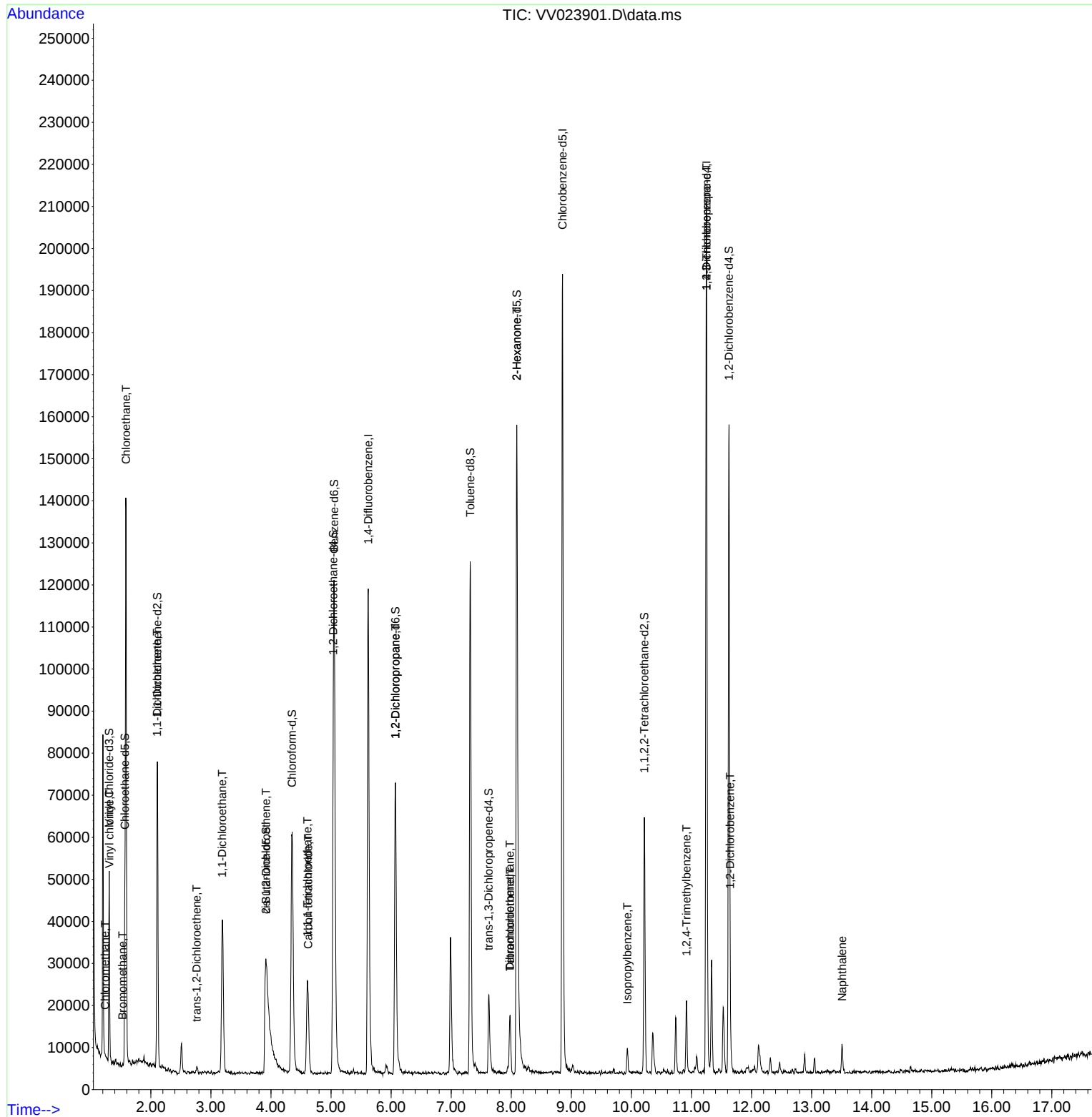
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

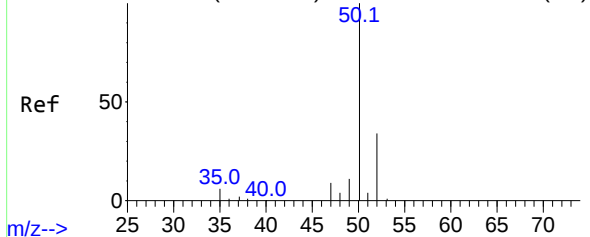
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QLast Update : Sat Dec 11 04:33:17 2021
Response via : Initial Calibration



Abundance Scan 62 (1.240 min): VV023880.D\data.ms (-54)



#3

Chloromethane

Concen: 0.062 ug/L

RT: 1.240 min Scan# 61

Delta R.T. -0.000 min

Lab File: VV023901.D

Acq: 10 Dec 2021 21:02

Instrument :

MSVOA_V

ClientSampleId :

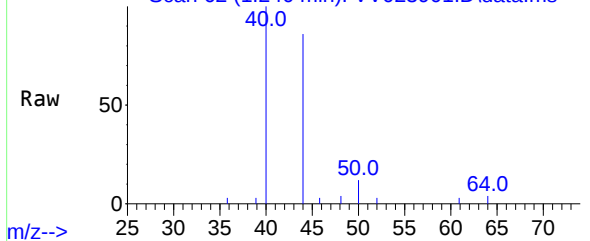
Tgt Ion: 50 Resp: 475

Ion Ratio Lower Upper

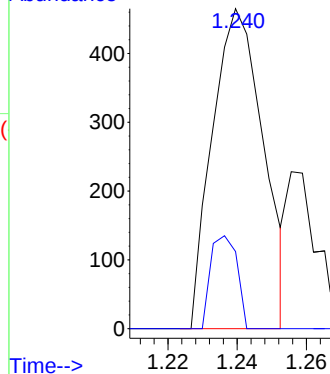
50 100

52 24.1 22.0 41.0

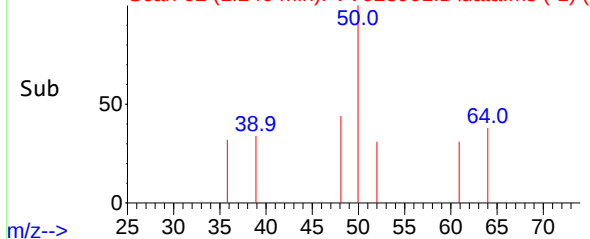
Abundance Scan 62 (1.240 min): VV023901.D\data.ms



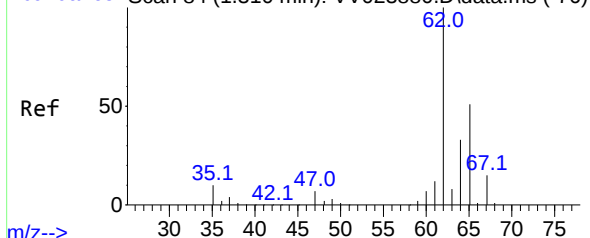
Abundance



Abundance Scan 62 (1.240 min): VV023901.D\data.ms (-1)



Abundance Scan 84 (1.310 min): VV023880.D\data.ms (-76)



#5

Vinyl chloride

Concen: 0.069 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV023901.D

Acq: 10 Dec 2021 21:02

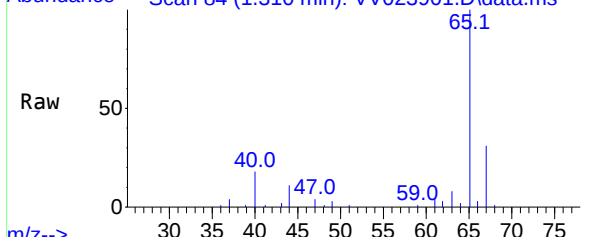
Tgt Ion: 62 Resp: 571

Ion Ratio Lower Upper

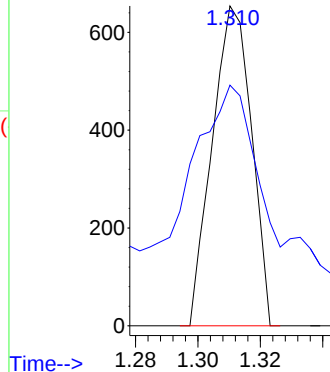
62 100

64 75.2 22.4 41.6#

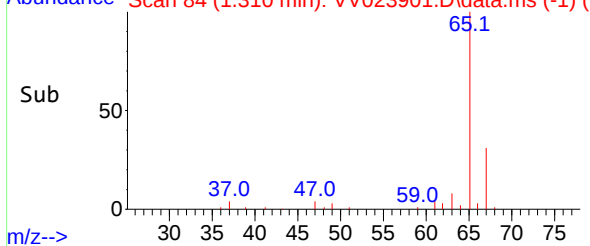
Abundance Scan 84 (1.310 min): VV023901.D\data.ms

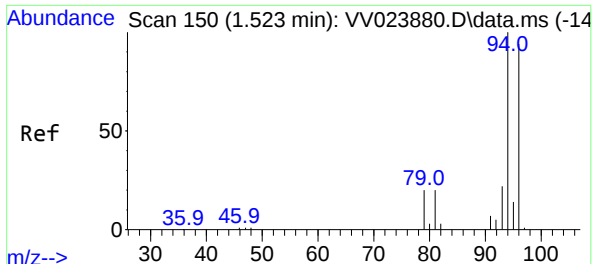


Abundance



Abundance Scan 84 (1.310 min): VV023901.D\data.ms (-1)

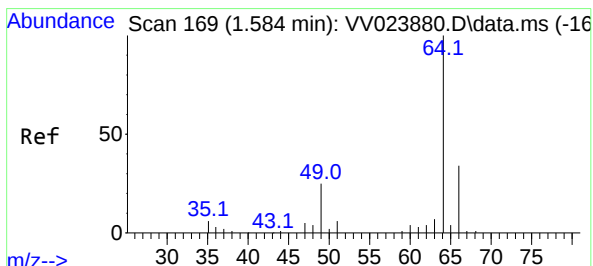
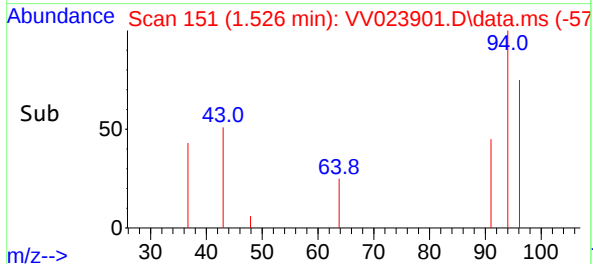
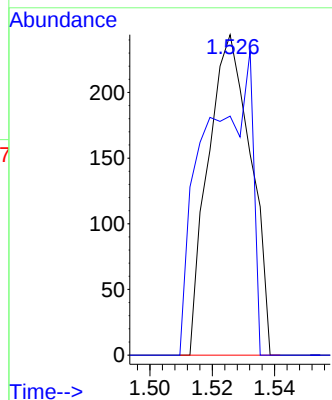
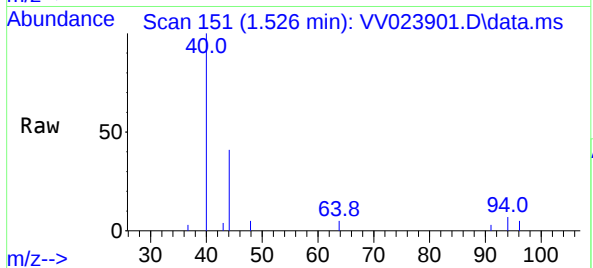




#6
Bromomethane
Concen: 0.044 ug/L
RT: 1.526 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

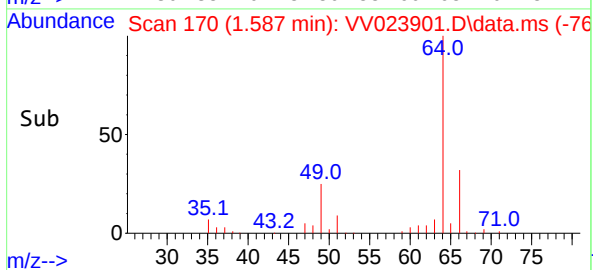
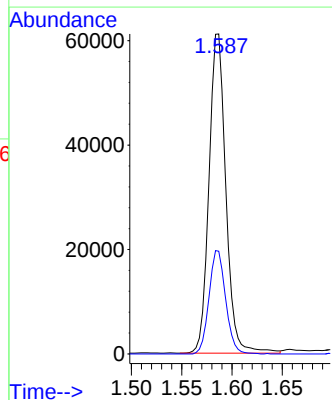
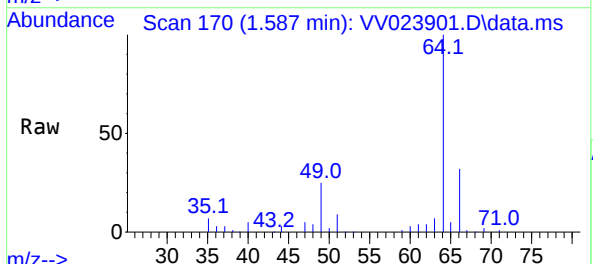
Instrument :
MSVOA_V
ClientSampleId :

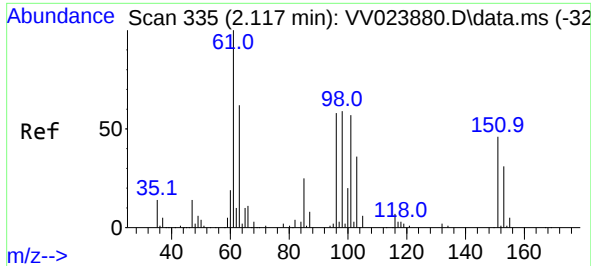
Tgt Ion: 94 Resp: 231
Ion Ratio Lower Upper
94 100
96 74.6 66.2 123.0



#8
Chloroethane
Concen: 13.296 ug/L
RT: 1.587 min Scan# 170
Delta R.T. 0.003 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Tgt Ion: 64 Resp: 71432
Ion Ratio Lower Upper
64 100
66 32.1 21.4 39.8





#12

1,1-Dichloroethene

Concen: 0.069 ug/L

RT: 2.104 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV023901.D

Acq: 10 Dec 2021 21:02

Instrument :

MSVOA_V

ClientSampleId :

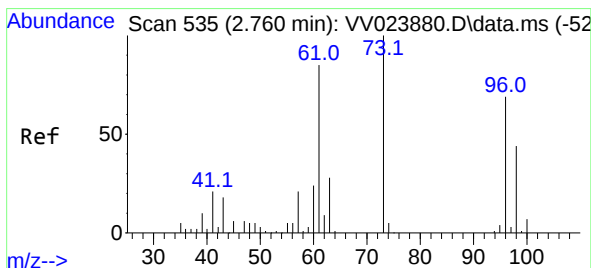
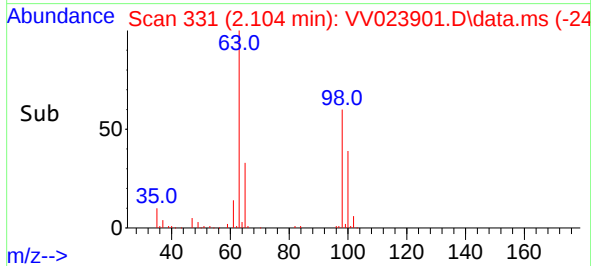
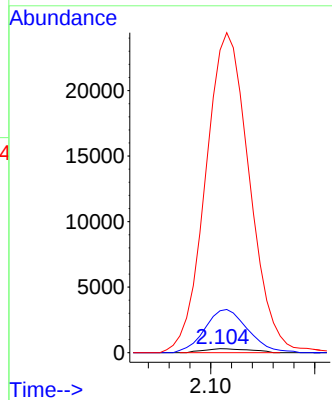
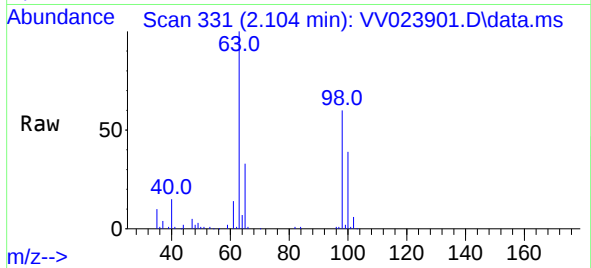
Tgt Ion: 96 Resp: 477

Ion Ratio Lower Upper

96 100

61 1050.8 116.1 215.5#

63 7567.2 79.4 147.4#



#18

trans-1,2-Dichloroethene

Concen: 0.063 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV023901.D

Acq: 10 Dec 2021 21:02

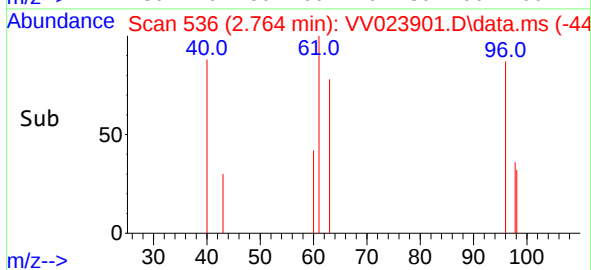
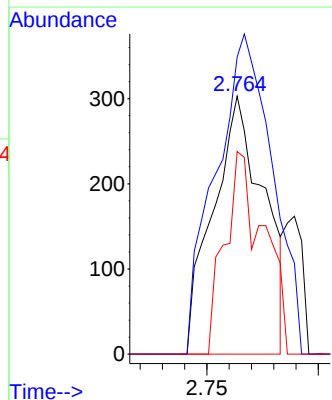
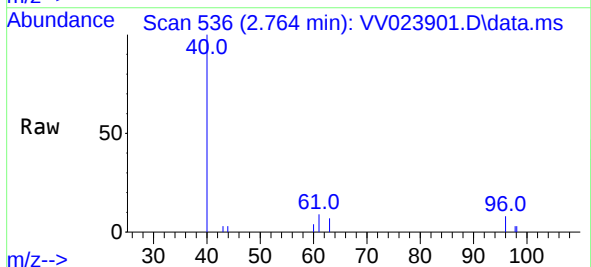
Tgt Ion: 96 Resp: 480

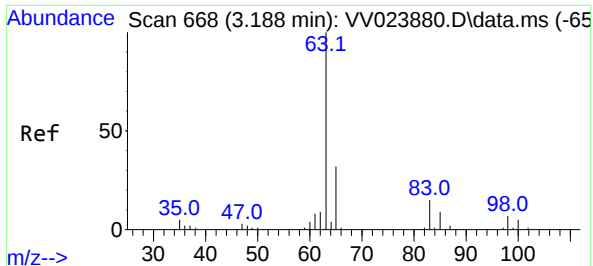
Ion Ratio Lower Upper

96 100

61 115.2 88.2 163.8

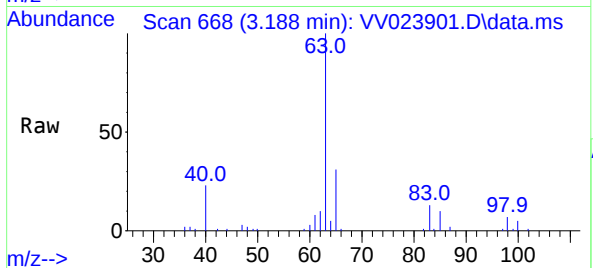
98 78.5 44.9 83.5



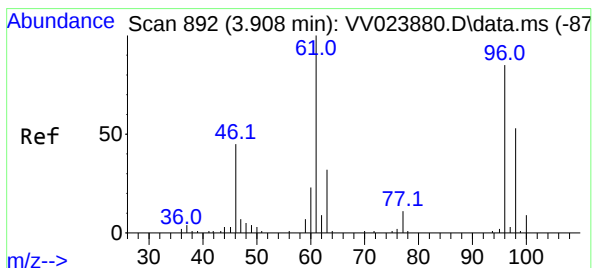
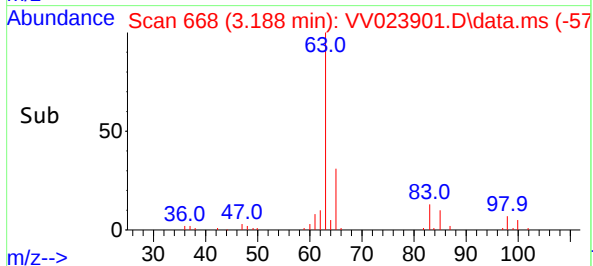
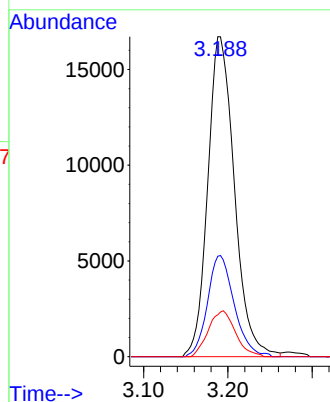


#19
1,1-Dichloroethane
Concen: 2.691 ug/L
RT: 3.188 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Instrument :
MSVOA_V
ClientSampleId :

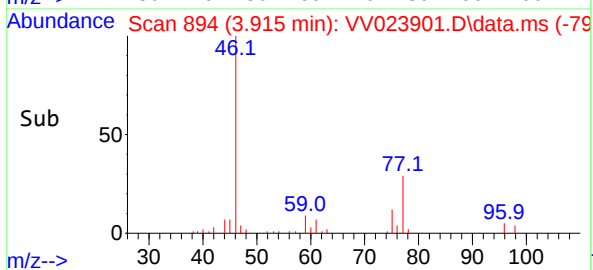
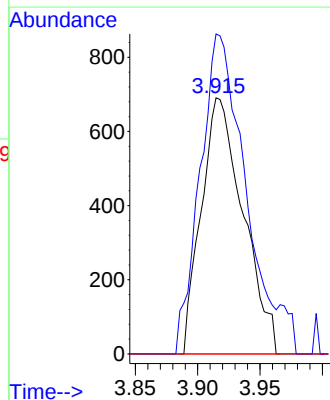
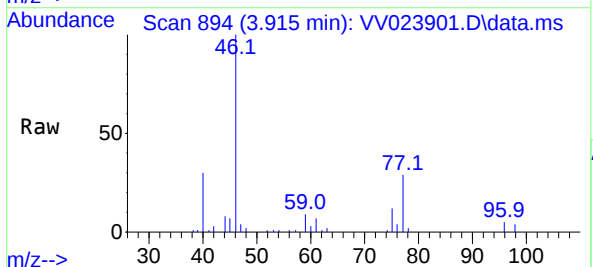


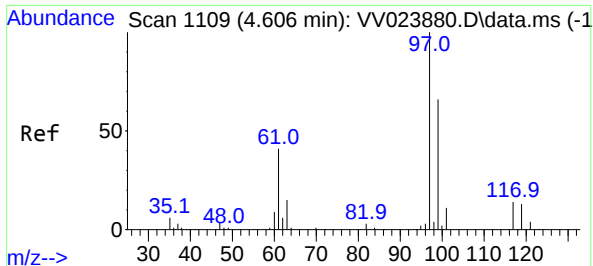
Tgt Ion: 63 Resp: 36719
Ion Ratio Lower Upper
63 100
65 31.4 22.3 41.3
83 13.1 10.7 19.9



#22
cis-1,2-Dichloroethene
Concen: 0.200 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Tgt Ion: 96 Resp: 1610
Ion Ratio Lower Upper
96 100
61 124.9 83.4 154.8
68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 1.277 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV023901.D

Acq: 10 Dec 2021 21:02

Instrument :

MSVOA_V

ClientSampleId :

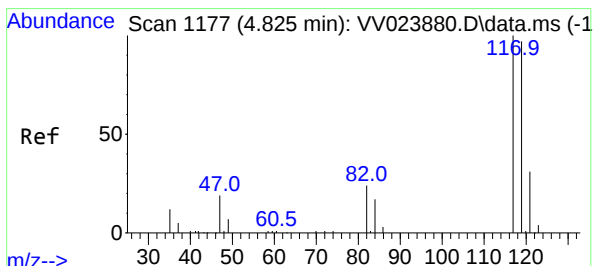
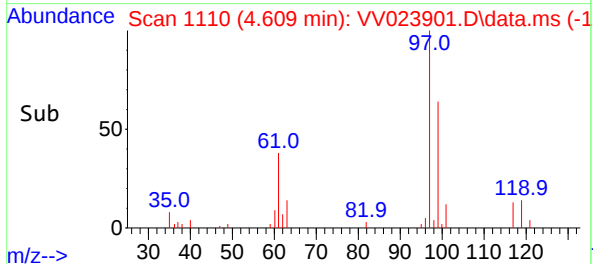
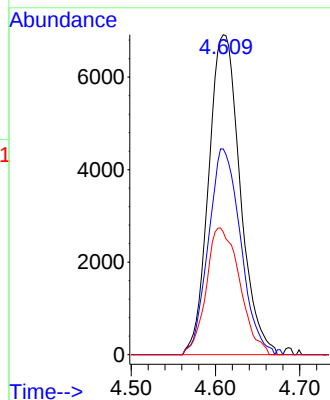
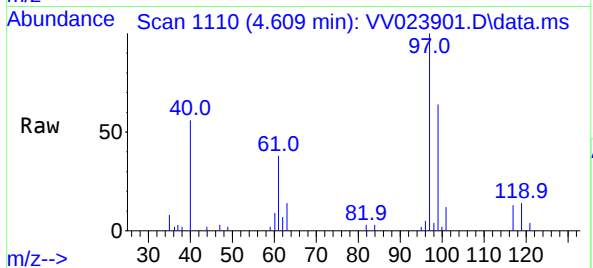
Tgt Ion: 97 Resp: 17940

Ion Ratio Lower Upper

97 100

99 65.8 51.9 77.9

61 42.2 33.2 49.8



#31

Carbon tetrachloride

Concen: 0.198 ug/L

RT: 4.619 min Scan# 1113

Delta R.T. -0.206 min

Lab File: VV023901.D

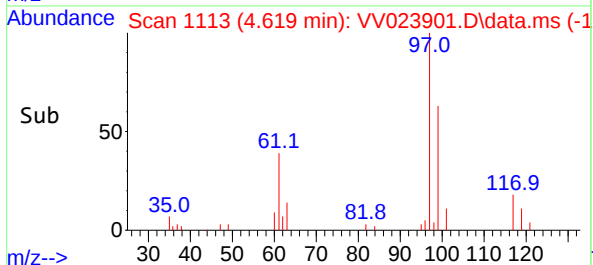
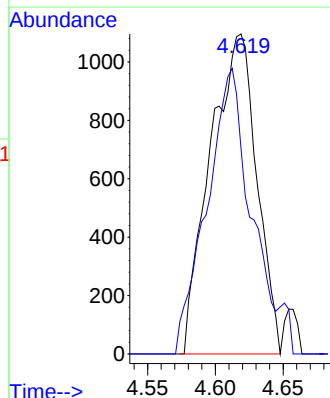
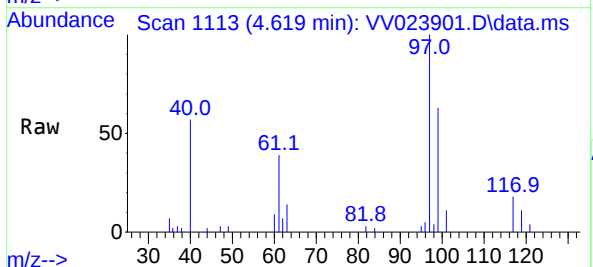
Acq: 10 Dec 2021 21:02

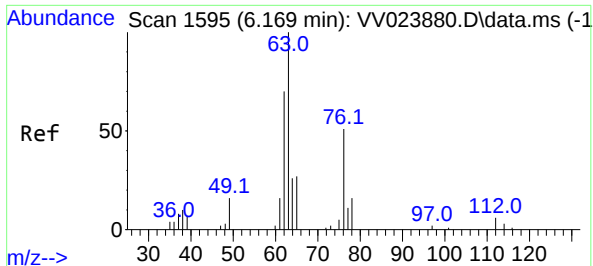
Tgt Ion: 117 Resp: 2620

Ion Ratio Lower Upper

117 100

119 83.1 76.6 114.8

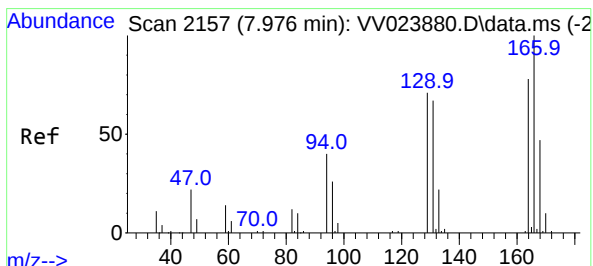
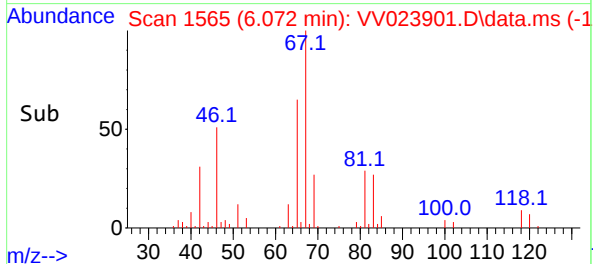
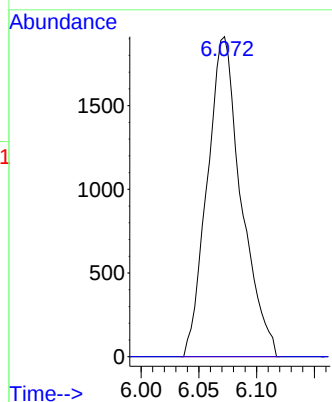
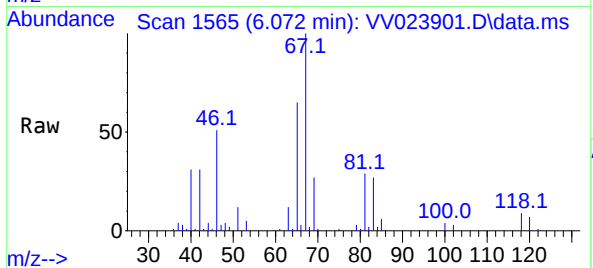




#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.072 min Scan# 11
Delta R.T. -0.097 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

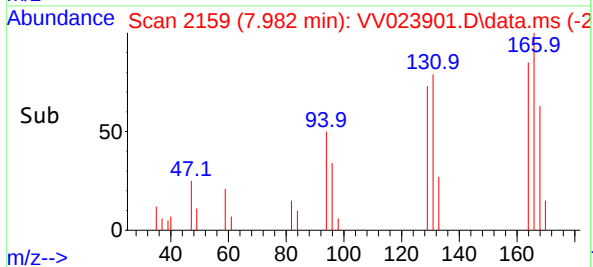
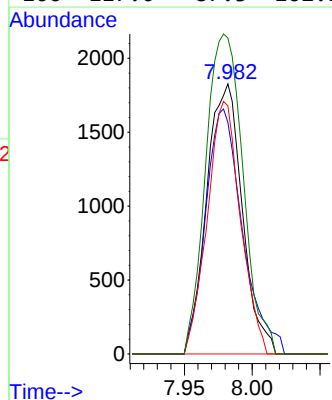
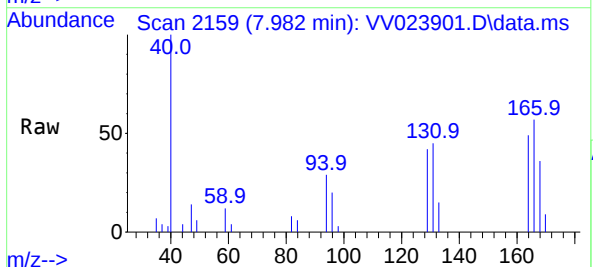
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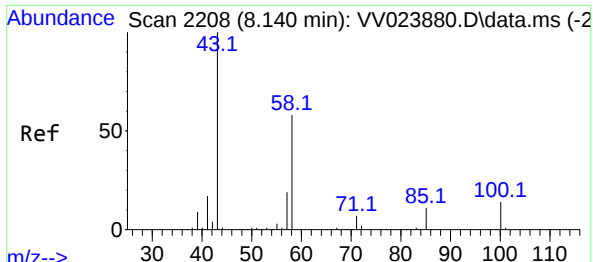
Tgt Ion: 63 Resp: 3916
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#47
Tetrachloroethene
Concen: 0.442 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

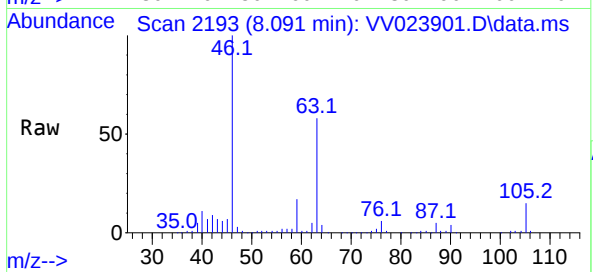
Tgt Ion:164 Resp: 3330
Ion Ratio Lower Upper
164 100
129 85.7 62.6 116.2
131 91.9 61.0 113.4
166 117.0 87.3 162.1



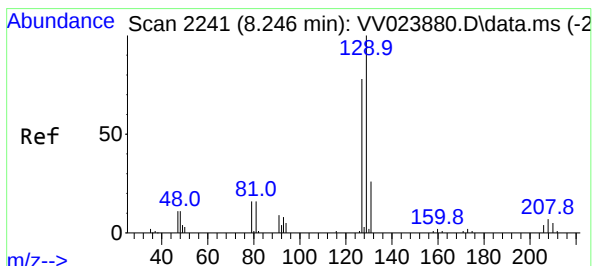
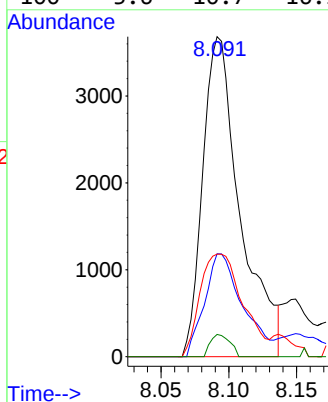
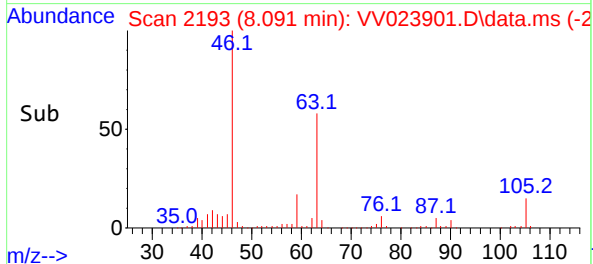


#48
2-Hexanone
Concen: 2.817 ug/L
RT: 8.091 min Scan# 2158
Delta R.T. -0.048 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Instrument :
MSVOA_V
ClientSampleId :

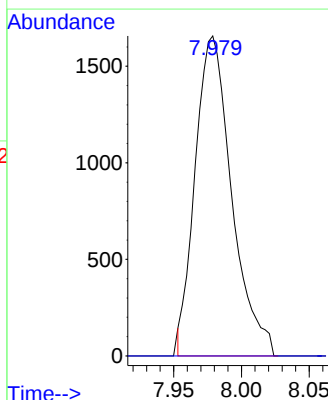
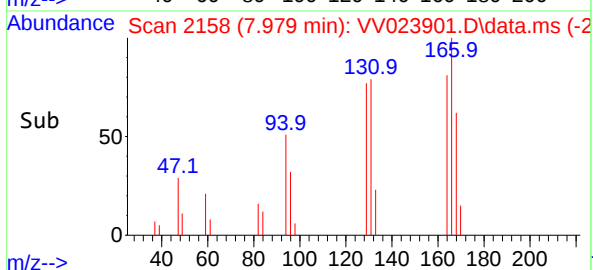
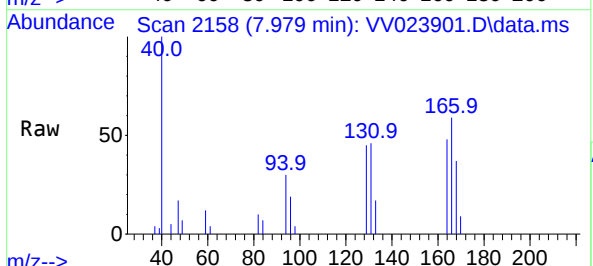


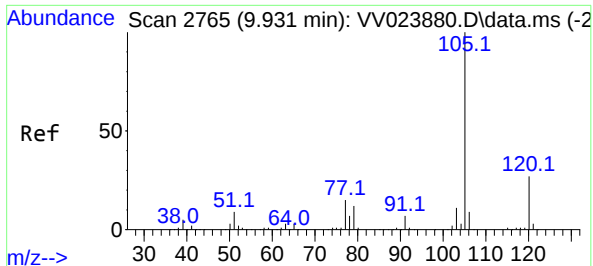
Tgt Ion: 43 Resp: 7081
Ion Ratio Lower Upper
43 100
58 32.9 44.5 66.7#
57 36.7 15.1 22.7#
100 3.6 10.7 16.1#



#49
Dibromochloromethane
Concen: 0.428 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Tgt Ion: 129 Resp: 3110
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

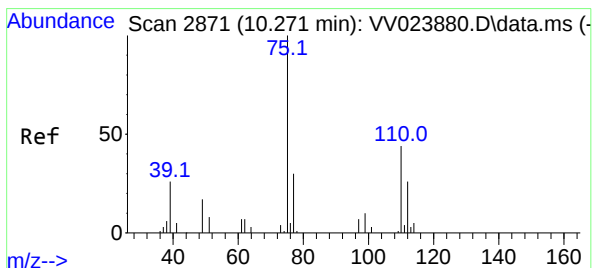
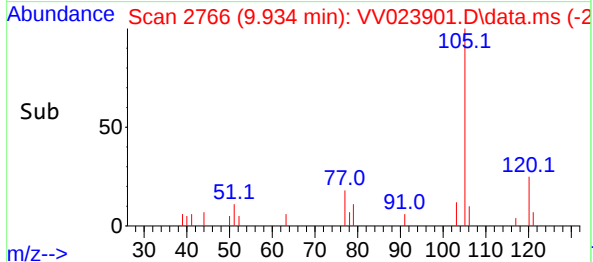
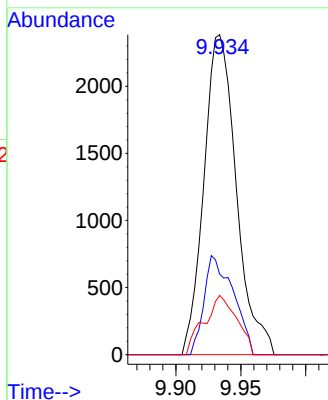
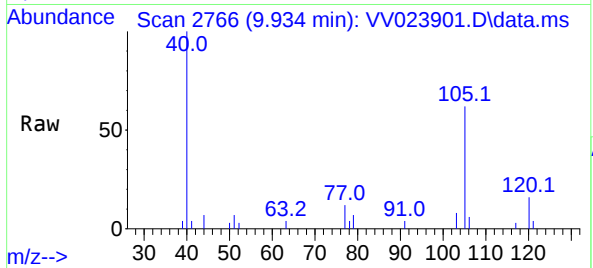




#60
Isopropylbenzene
Concen: 0.127 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

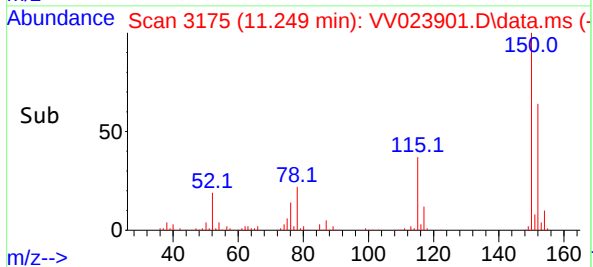
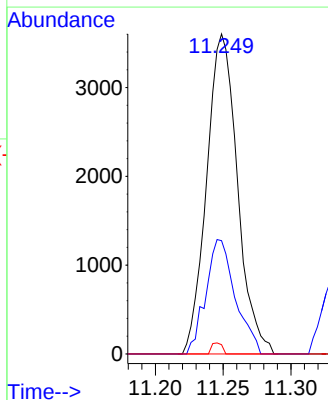
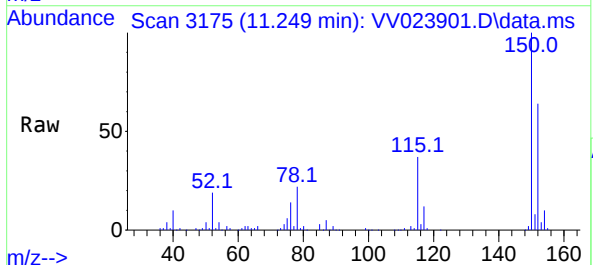
Instrument :
MSVOA_V
ClientSampleId :

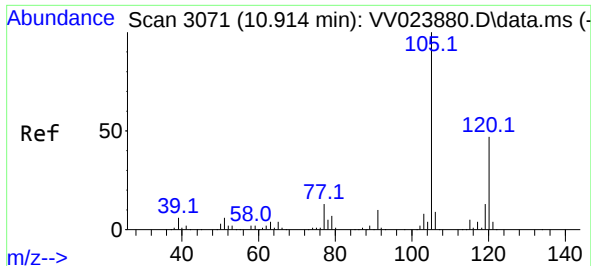
Tgt Ion:105 Resp: 4138
Ion Ratio Lower Upper
105 100
120 27.9 21.4 32.0
77 18.7 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.509 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Tgt Ion: 75 Resp: 5700
Ion Ratio Lower Upper
75 100
77 34.3 26.4 39.6
110 1.2 34.2 51.2#

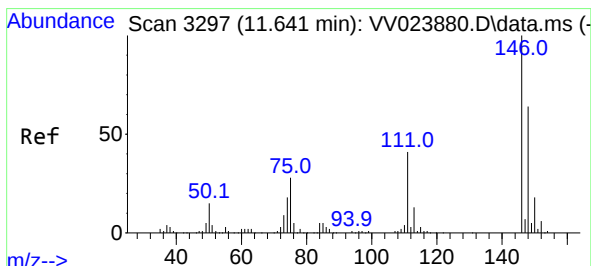
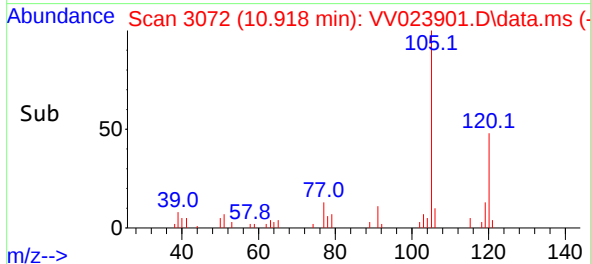
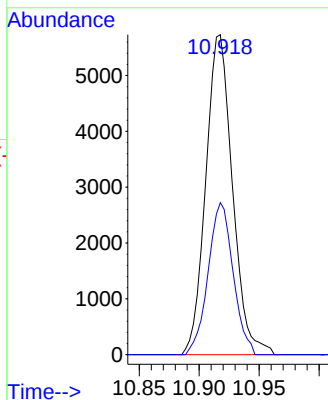
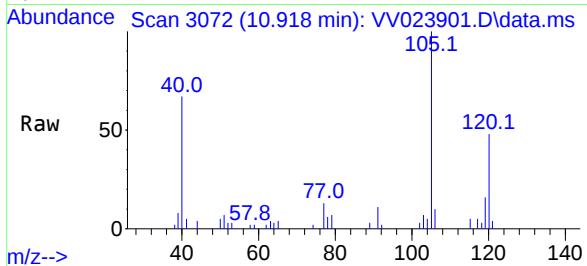




#63
1,2,4-Trimethylbenzene
Concen: 0.330 ug/L
RT: 10.918 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

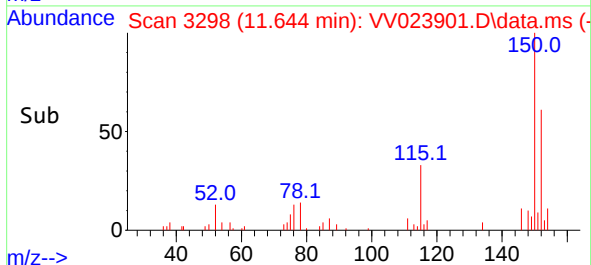
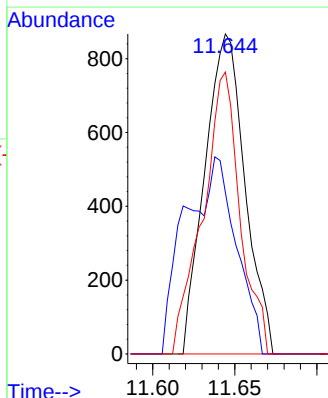
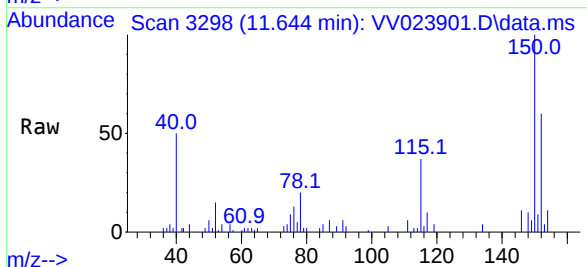
Instrument :
MSVOA_V
ClientSampleId :

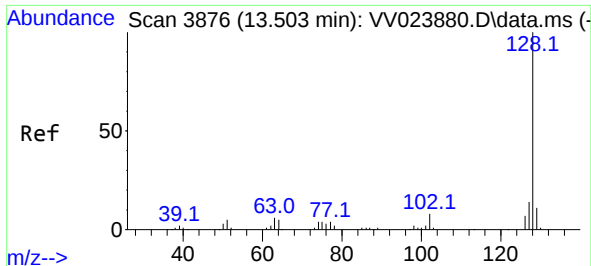
Tgt Ion:105 Resp: 8886
Ion Ratio Lower Upper
105 100
120 44.4 36.7 55.1



#67
1,2-Dichlorobenzene
Concen: 0.097 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.003 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

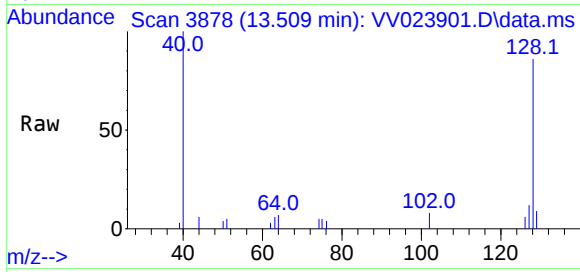
Tgt Ion:146 Resp: 1472
Ion Ratio Lower Upper
146 100
111 50.4 31.9 47.9#
148 88.1 50.5 75.7#





#71
Naphthalene
Concen: 0.362 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.006 min
Lab File: VV023901.D
Acq: 10 Dec 2021 21:02

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:	128	Resp:	5592
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	13.0	10.2	15.4

