

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121021\
 Data File : VW023897.D
 Acq On : 10 Dec 2021 19:27
 Operator : SY/MD
 Sample : M4984-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 11 04:47:50 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	104662	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	106977	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	54534	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	25250	4.488	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.800%
7) Chloroethane-d5	1.568	69	23019	4.904	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.000%
11) 1,1-Dichloroethene-d2	2.108	63	35010	3.188	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.800%
20) 2-Butanone-d5	3.899	46	64737	58.892	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.780%
24) Chloroform-d	4.352	84	59371	4.658	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.200%
26) 1,2-Dichloroethane-d4	5.037	65	29940	5.046	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	5.050	84	101729	4.801	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.000%
36) 1,2-Dichloropropane-d6	6.069	67	32284	5.050	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.316	98	80177	4.203	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.628	79	11372	4.288	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.800%
46) 2-Hexanone-d5	8.091	63	54235	45.684	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	24355	4.593	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	37088	5.091	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.243	50	655	0.084	ug/L	99
5) Vinyl chloride	1.310	62	2332	0.276	ug/L #	79
6) Bromomethane	1.523	94	223	0.042	ug/L #	52
8) Chloroethane	1.600	64	605	0.110	ug/L #	60
12) 1,1-Dichloroethene	2.117	96	1840	0.262	ug/L #	1
13) Acetone	2.198	43	1303	1.482	ug/L	68
17) Methyl tert-butyl Ether	2.770	73	4453	0.280	ug/L #	90
18) trans-1,2-Dichloroethene	2.767	96	1151	0.148	ug/L	98
19) 1,1-Dichloroethane	3.191	63	20564	1.474	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	34038	4.137	ug/L	95
27) 1,2-Dichloroethane	5.146	62	2025	0.241	ug/L #	93
29) 1,1,1-Trichloroethane	4.619	97	2857	0.204	ug/L	94
34) Trichloroethene	5.924	95	3107	0.364	ug/L	89
35) Methylcyclohexane	6.069	83	8603	0.685	ug/L #	18
37) 1,2-Dichloropropane	6.066	63	3830	0.532	ug/L #	84
47) Tetrachloroethene	7.982	164	1546	0.206	ug/L	94
49) Dibromochloromethane	7.979	129	1308	0.181	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	5346	1.439	ug/L #	64

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

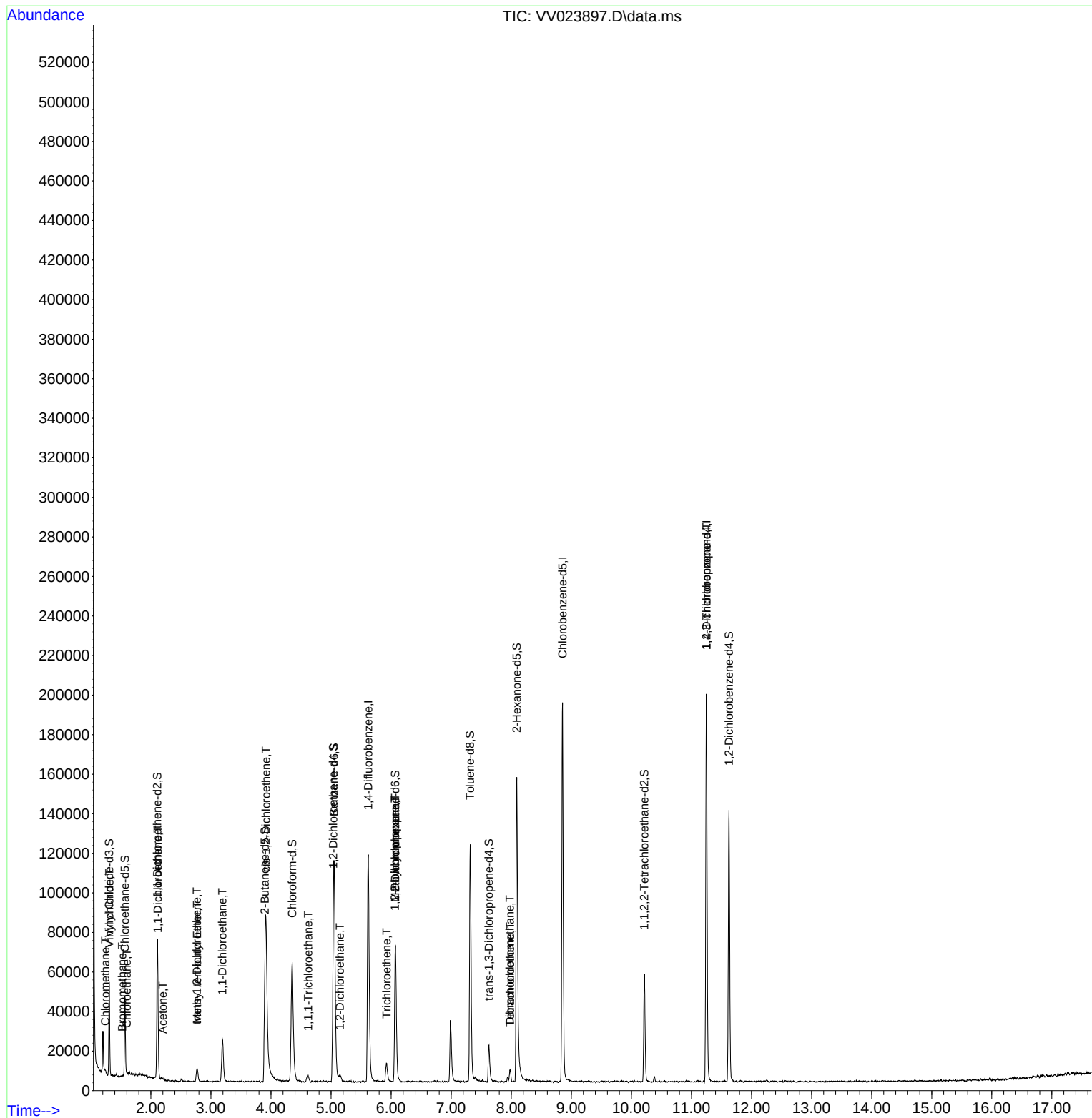
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

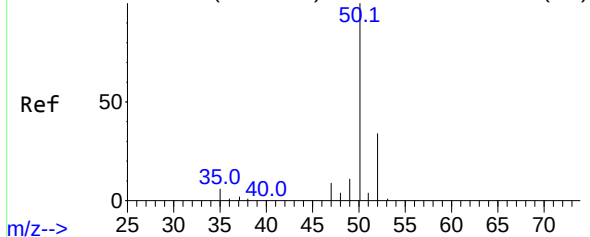
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121021\
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Abundance Scan 62 (1.240 min): VV023880.D\data.ms (-54)



#3

Chloromethane

Concen: 0.084 ug/L

RT: 1.243 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :

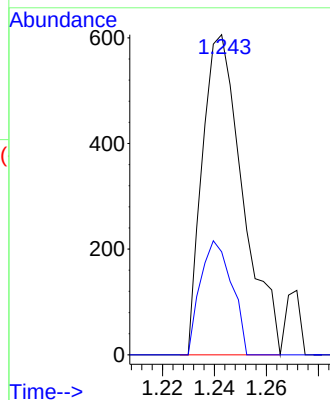
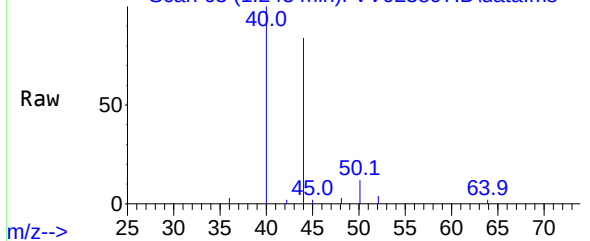
Tgt Ion: 50 Resp: 655

Ion Ratio Lower Upper

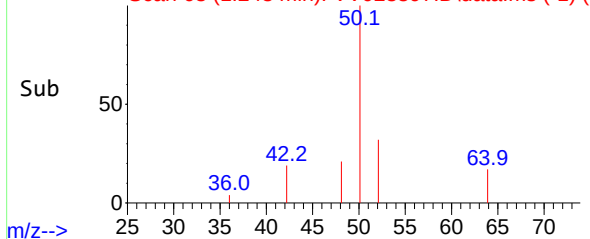
50 100

52 32.2 22.0 41.0

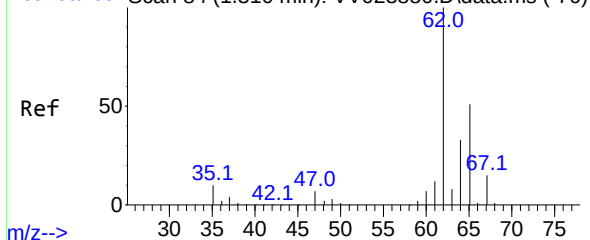
Abundance Scan 63 (1.243 min): VV023897.D\data.ms



Abundance Scan 63 (1.243 min): VV023897.D\data.ms (-1) (



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



#5

Vinyl chloride

Concen: 0.276 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

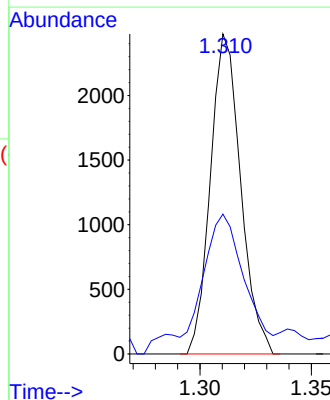
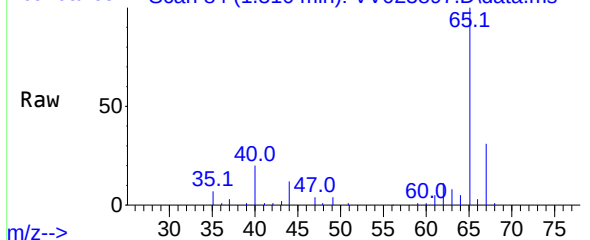
Tgt Ion: 62 Resp: 2332

Ion Ratio Lower Upper

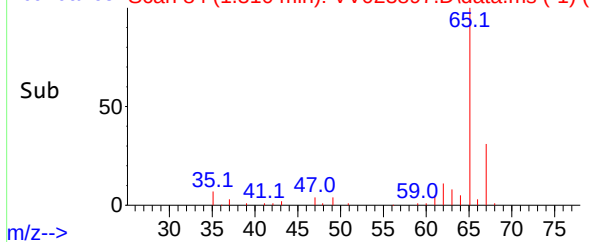
62 100

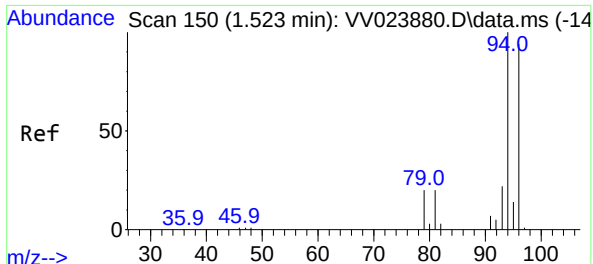
64 43.7 22.4 41.6#

Abundance Scan 84 (1.310 min): VV023897.D\data.ms



Abundance Scan 84 (1.310 min): VV023897.D\data.ms (-1) (

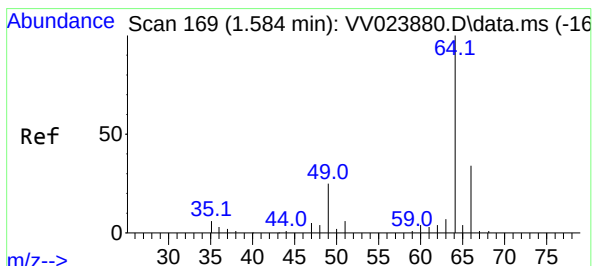
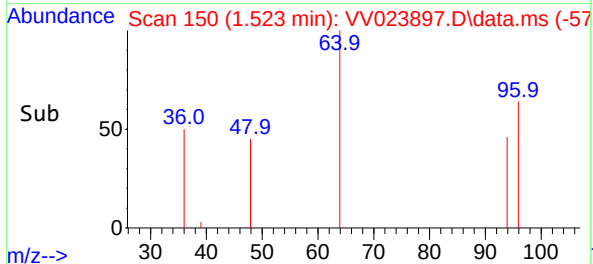
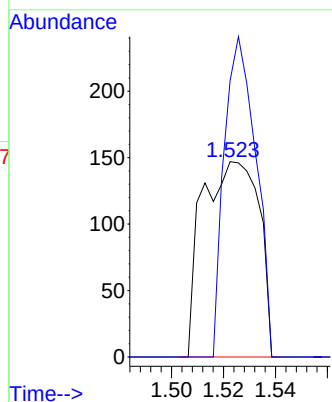
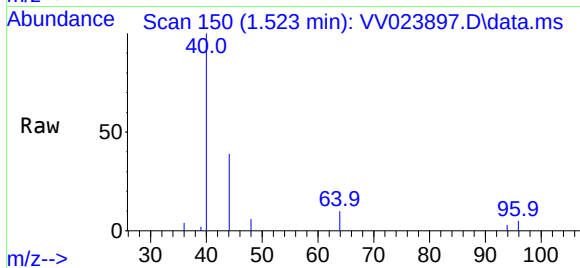




#6
Bromomethane
Concen: 0.042 ug/L
RT: 1.523 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

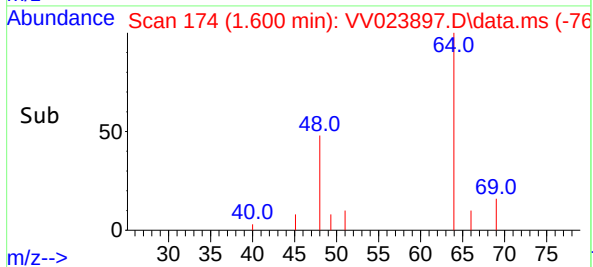
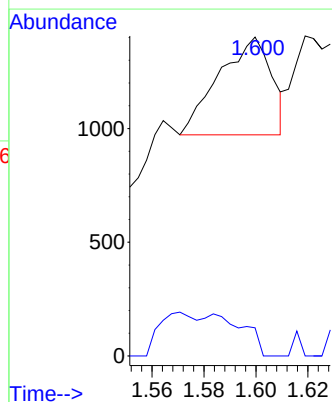
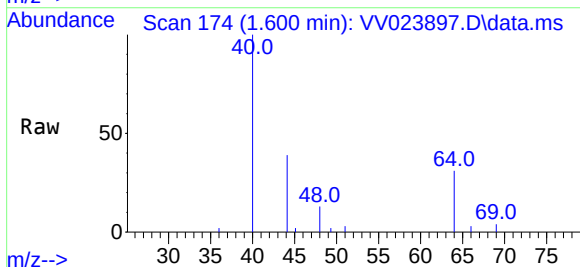
Instrument :
MSVOA_V
ClientSampleId :

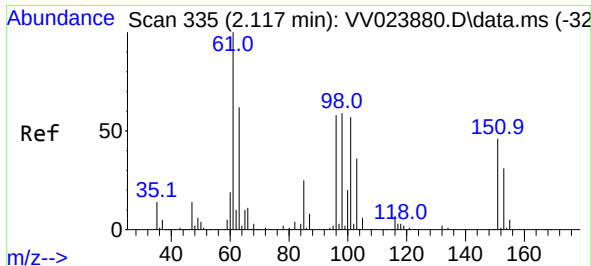
Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 141.5 66.2 123.0#



#8
Chloroethane
Concen: 0.110 ug/L
RT: 1.600 min Scan# 174
Delta R.T. 0.016 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

Tgt Ion: 64 Resp: 605
Ion Ratio Lower Upper
64 100
66 8.8 21.4 39.8#





#12

1,1-Dichloroethene

Concen: 0.262 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

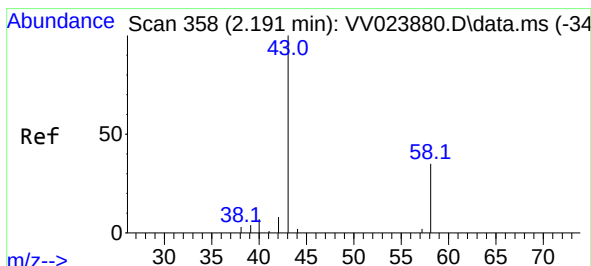
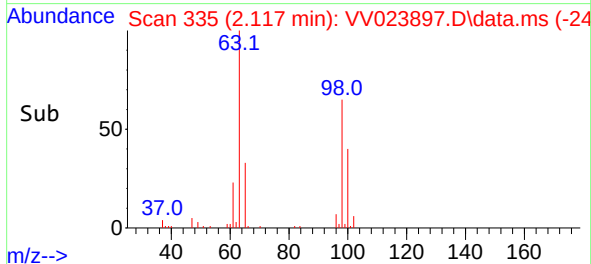
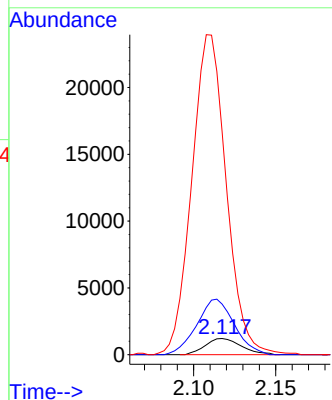
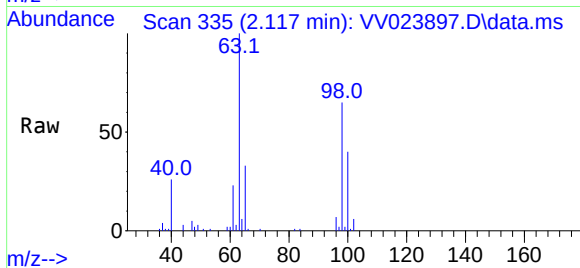
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1840

Ion	Ratio	Lower	Upper
96	100		
61	314.4	116.1	215.5#
63	1384.2	79.4	147.4#



#13

Acetone

Concen: 1.482 ug/L

RT: 2.198 min Scan# 360

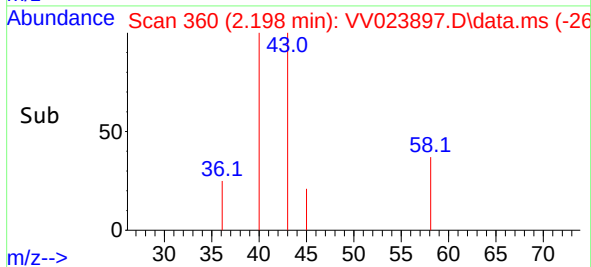
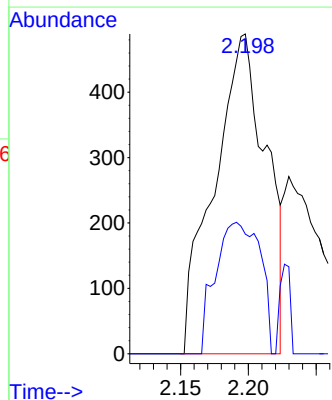
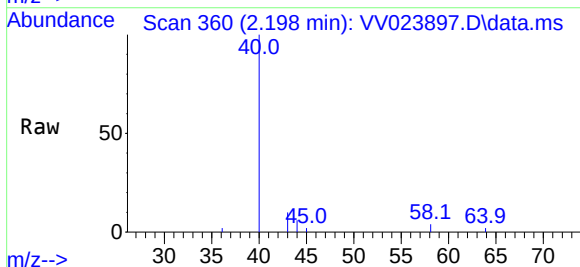
Delta R.T. 0.006 min

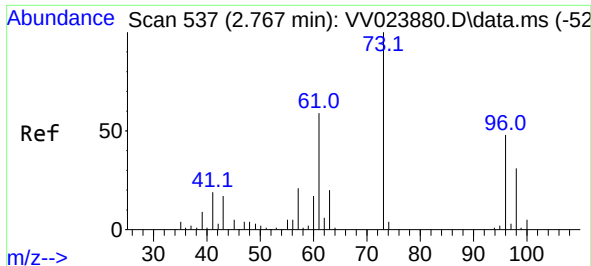
Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Tgt Ion: 43 Resp: 1303

Ion	Ratio	Lower	Upper
43	100		
58	35.4	0.0	41.4





#17

Methyl tert-butyl Ether

Concen: 0.280 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :

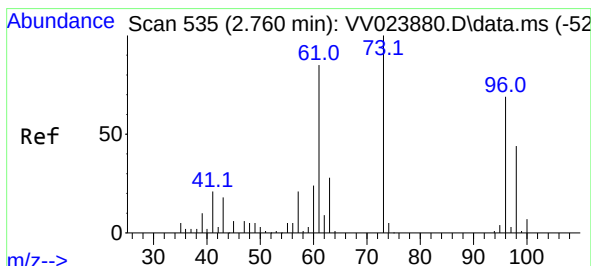
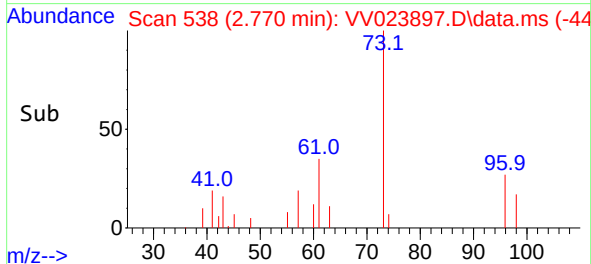
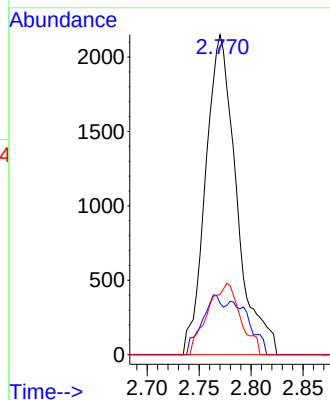
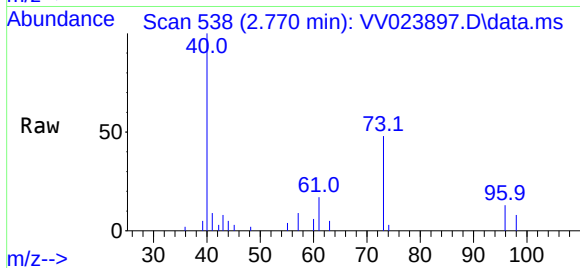
Tgt Ion: 73 Resp: 4453

Ion Ratio Lower Upper

73 100

43 12.6 15.5 23.3#

57 23.7 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 0.148 ug/L

RT: 2.767 min Scan# 537

Delta R.T. 0.006 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

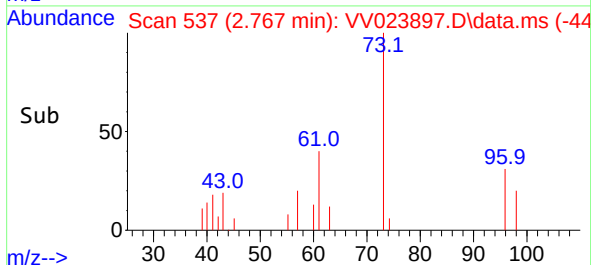
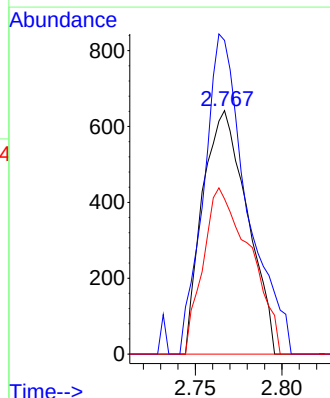
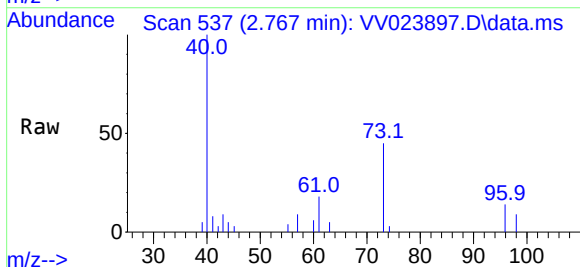
Tgt Ion: 96 Resp: 1151

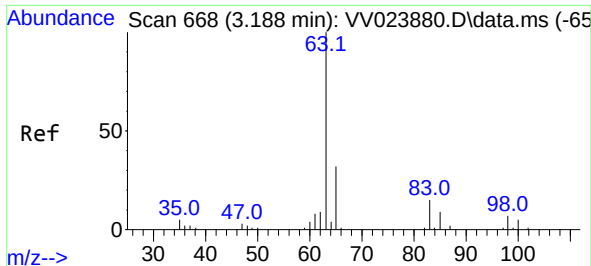
Ion Ratio Lower Upper

96 100

61 128.8 88.2 163.8

98 63.7 44.9 83.5

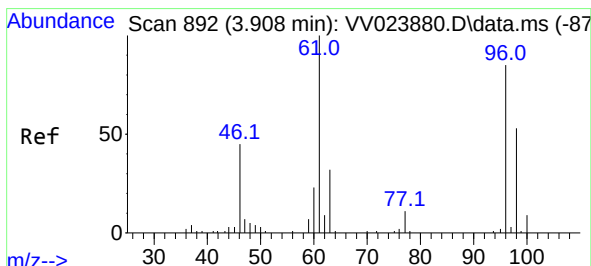
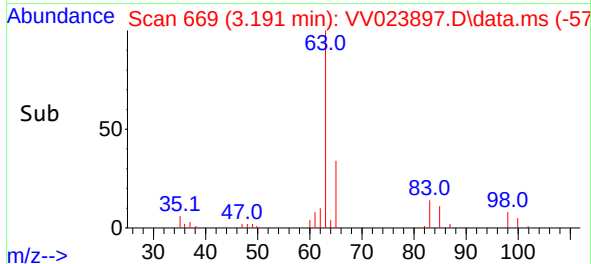
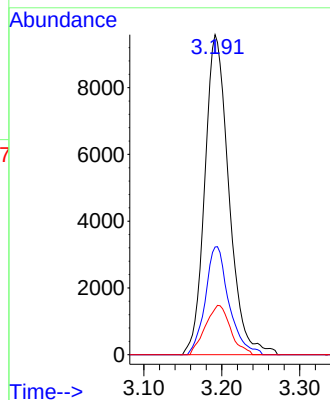
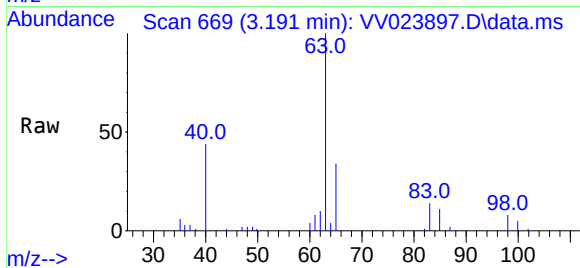




#19
1,1-Dichloroethane
Concen: 1.474 ug/L
RT: 3.191 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

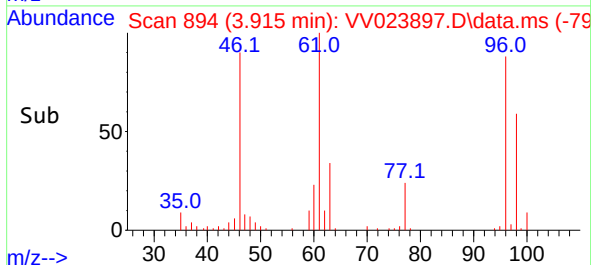
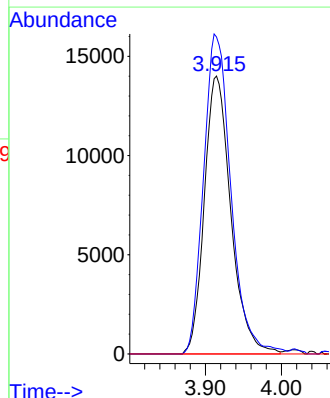
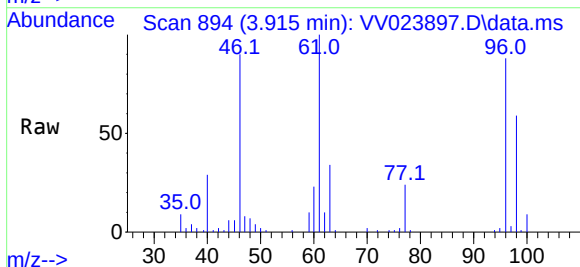
Instrument :
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ClientSampleId :

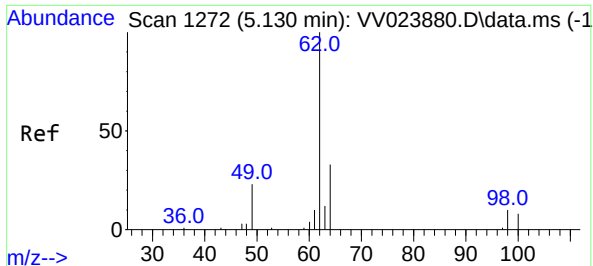
Tgt Ion:	63	Resp:	20564
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.3	41.3
83	14.4	10.7	19.9



#22
cis-1,2-Dichloroethene
Concen: 4.137 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

Tgt Ion:	96	Resp:	34038
Ion	Ratio	Lower	Upper
96	100		
61	114.0	83.4	154.8
68	0.0	0.0	0.0

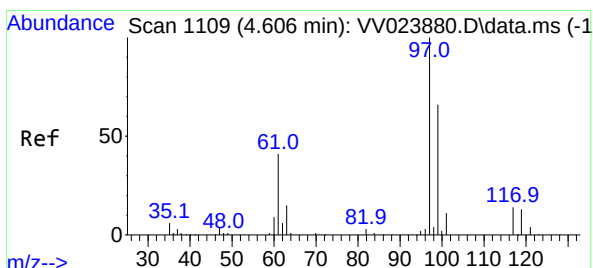
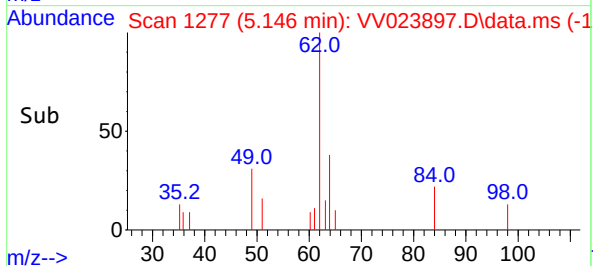
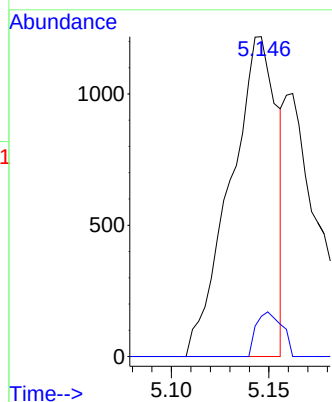
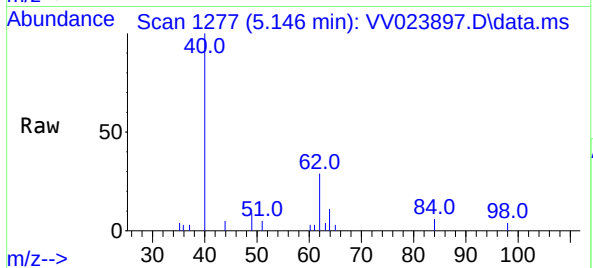




#27
1,2-Dichloroethane
Concen: 0.241 ug/L
RT: 5.146 min Scan# 1113
Delta R.T. 0.016 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

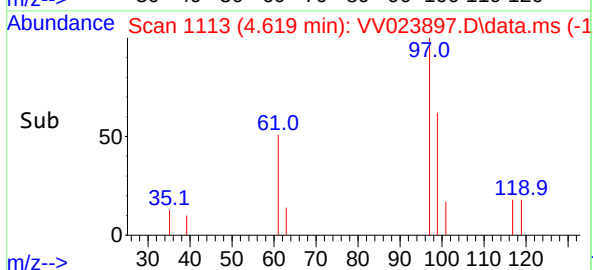
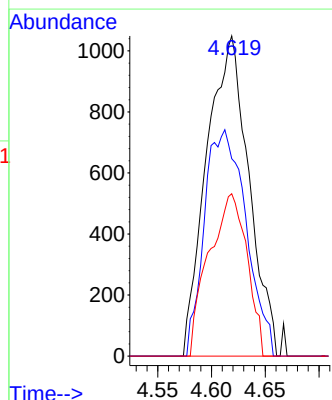
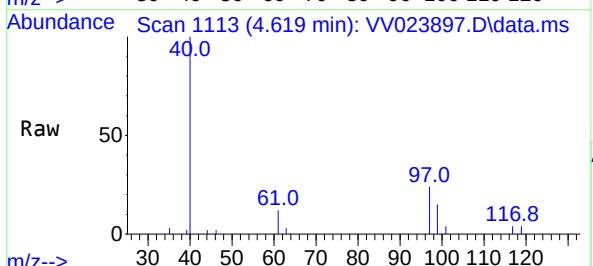
Instrument :
MSVOA_V
ClientSampleId :

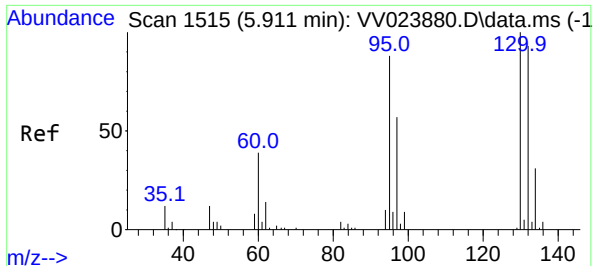
Tgt Ion: 62 Resp: 2025
Ion Ratio Lower Upper
62 100
98 12.6 8.1 12.1#



#29
1,1,1-Trichloroethane
Concen: 0.204 ug/L
RT: 4.619 min Scan# 1113
Delta R.T. 0.013 min
Lab File: VV023897.D
Acq: 10 Dec 2021 19:27

Tgt Ion: 97 Resp: 2857
Ion Ratio Lower Upper
97 100
99 69.8 51.9 77.9
61 45.9 33.2 49.8





#34

Trichloroethene

Concen: 0.364 ug/L

RT: 5.924 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 3107

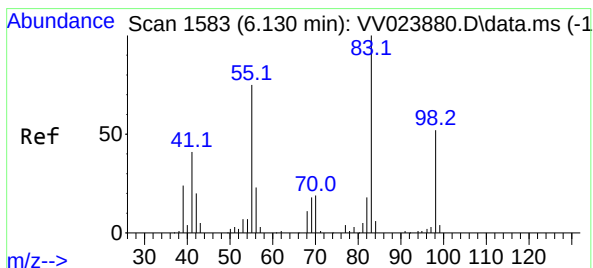
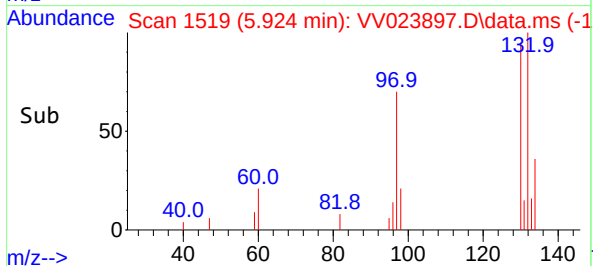
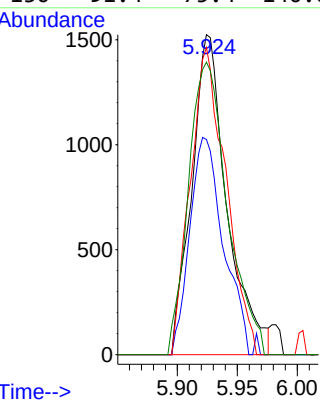
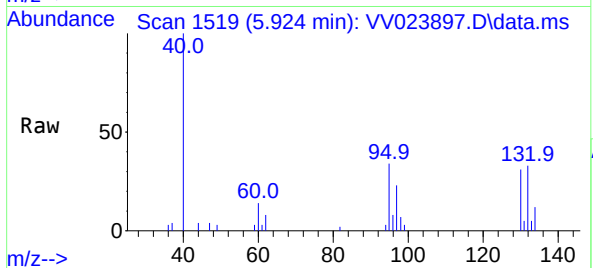
Ion Ratio Lower Upper

95 100

97 67.3 45.2 84.0

132 96.0 76.1 141.3

130 91.4 75.4 140.0



#35

Methylcyclohexane

Concen: 0.685 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

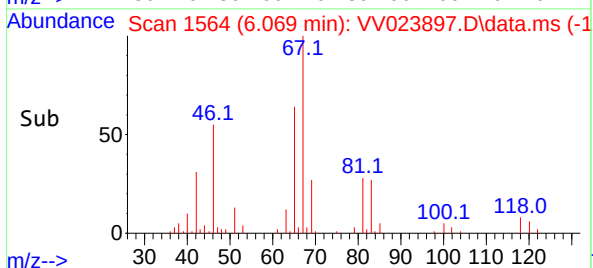
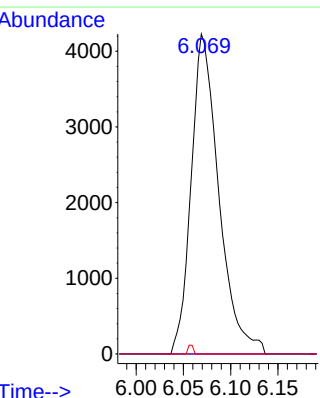
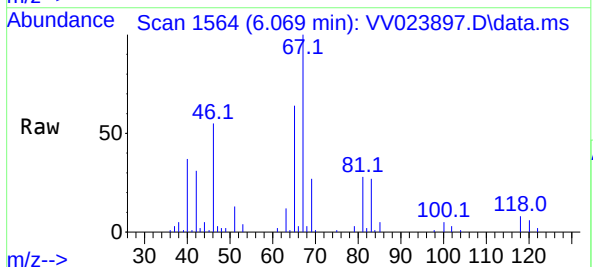
Tgt Ion: 83 Resp: 8603

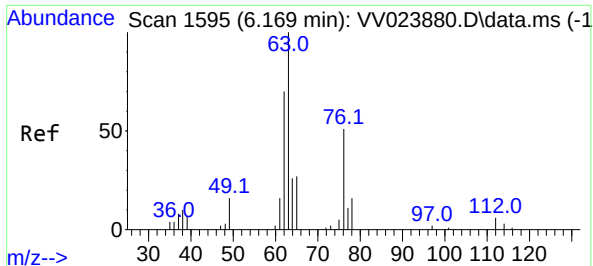
Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.5 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.532 ug/L

RT: 6.066 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Instrument :

MSVOA_V

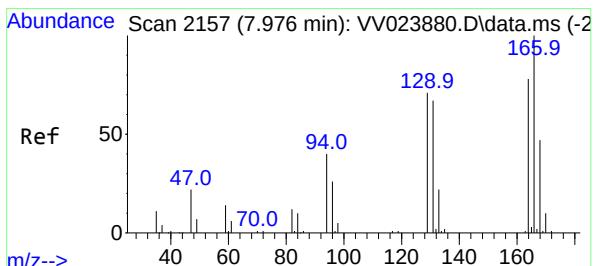
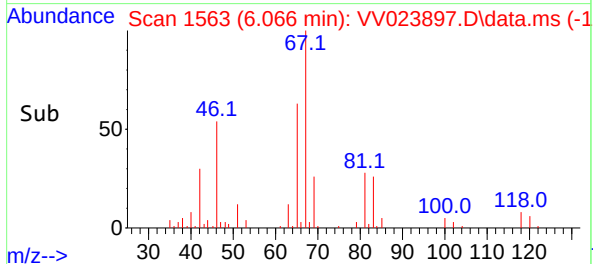
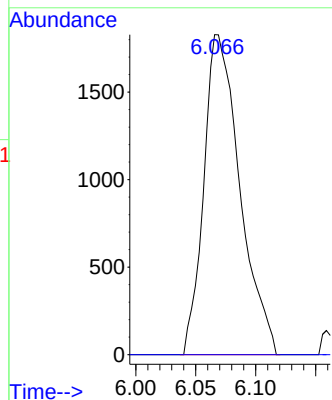
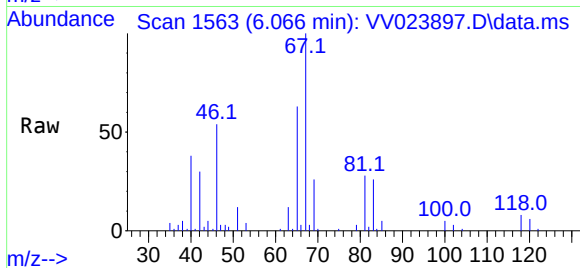
ClientSampleId :

Tgt Ion: 63 Resp: 3830

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#47

Tetrachloroethene

Concen: 0.206 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Tgt Ion: 164 Resp: 1546

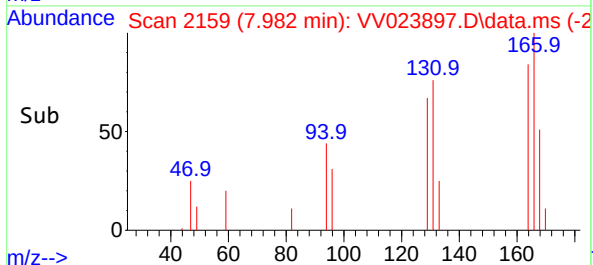
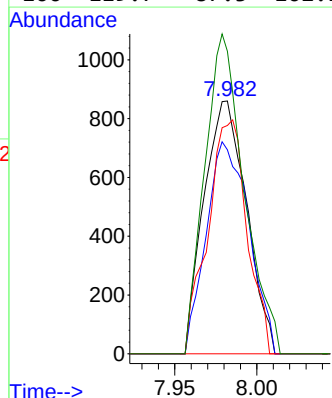
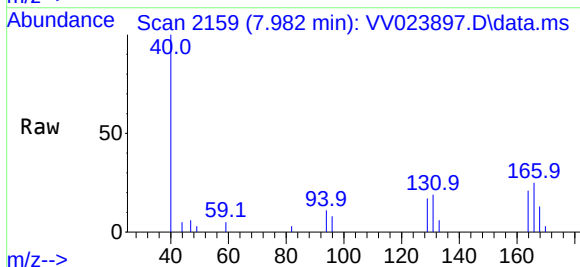
Ion Ratio Lower Upper

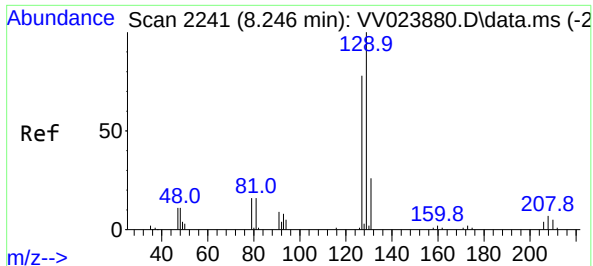
164 100

129 80.7 62.6 116.2

131 90.3 61.0 113.4

166 119.7 87.3 162.1





#49

Dibromochloromethane

Concen: 0.181 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Instrument :

MSVOA_V

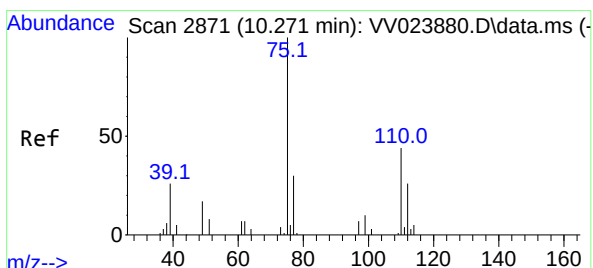
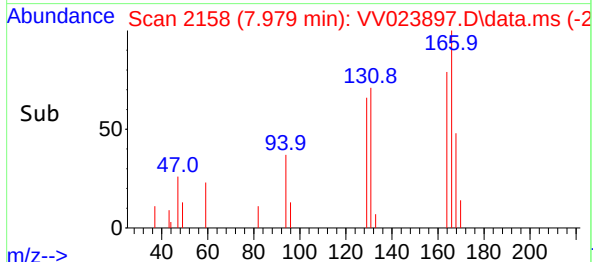
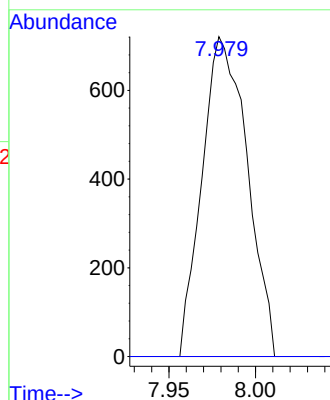
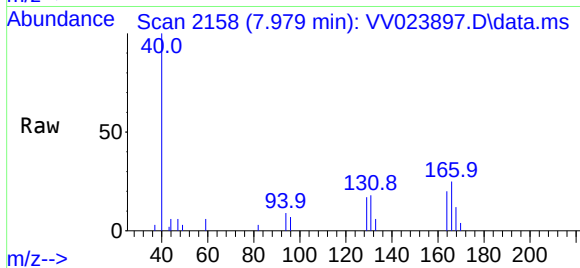
ClientSampleId :

Tgt Ion:129 Resp: 1308

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.439 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023897.D

Acq: 10 Dec 2021 19:27

Tgt Ion: 75 Resp: 5346

Ion Ratio Lower Upper

75 100

77 34.2 26.4 39.6

110 2.6 34.2 51.2#

