

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102021\
 Data File : VW022946.D
 Acq On : 20 Oct 2021 21:16
 Operator : SY/MD
 Sample : M4137-09DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGB0DL

Quant Time: Oct 21 02:50:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 21 02:43:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	121327	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	124069	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56727	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	29805	3.571	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.400%
7) Chloroethane-d5	1.568	69	24474	3.263	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.200%
11) 1,1-Dichloroethene-d2	2.108	63	38862	2.373	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.400%#
20) 2-Butanone-d5	3.899	46	95077	43.439	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.880%
24) Chloroform-d	4.352	84	78148	4.543	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
26) 1,2-Dichloroethane-d4	5.037	65	42450	5.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	5.053	84	172761	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.072	67	56835	5.196	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.000%
41) Toluene-d8	7.320	98	142877	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.625	79	16458	4.536	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.091	63	78547	53.717	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.440%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40342	5.444	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	57067	5.426	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	1361	0.148	ug/L #	64
12) 1,1-Dichloroethene	2.108	96	515	0.070	ug/L #	1
16) Methylene chloride	2.506	84	6805	0.675	ug/L	88
17) Methyl tert-butyl Ether	2.770	73	3166	0.179	ug/L #	95
18) trans-1,2-Dichloroethene	2.760	96	1041	0.131	ug/L	79
22) cis-1,2-Dichloroethene	3.915	96	42166	5.039	ug/L	96
25) Chloroform	4.384	83	15934	0.958	ug/L	90
34) Trichloroethene	5.918	95	14200	1.563	ug/L	93
35) Methylcyclohexane	6.069	83	13425	1.055	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	6173	0.768	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1339	0.126	ug/L #	75
42) Toluene	7.394	91	15639	0.461	ug/L	98
47) Tetrachloroethene	7.976	164	41681	5.672	ug/L	98
48) 2-Hexanone	8.156	43	2368	0.750	ug/L #	91
49) Dibromochloromethane	7.976	129	36991	5.299	ug/L #	7
61) 1,2,3-Trichloropropane	11.249	75	6196	1.572	ug/L #	60
65) 1,4-Dichlorobenzene	11.275	146	851	0.055	ug/L #	90
67) 1,2-Dichlorobenzene	11.641	146	929	0.065	ug/L #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102021\
Data File : VV022946.D
Acq On : 20 Oct 2021 21:16
Operator : SY/MD
Sample : M4137-09DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFGB0DL

Quant Time: Oct 21 02:50:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 21 02:43:59 2021
Response via : Initial Calibration

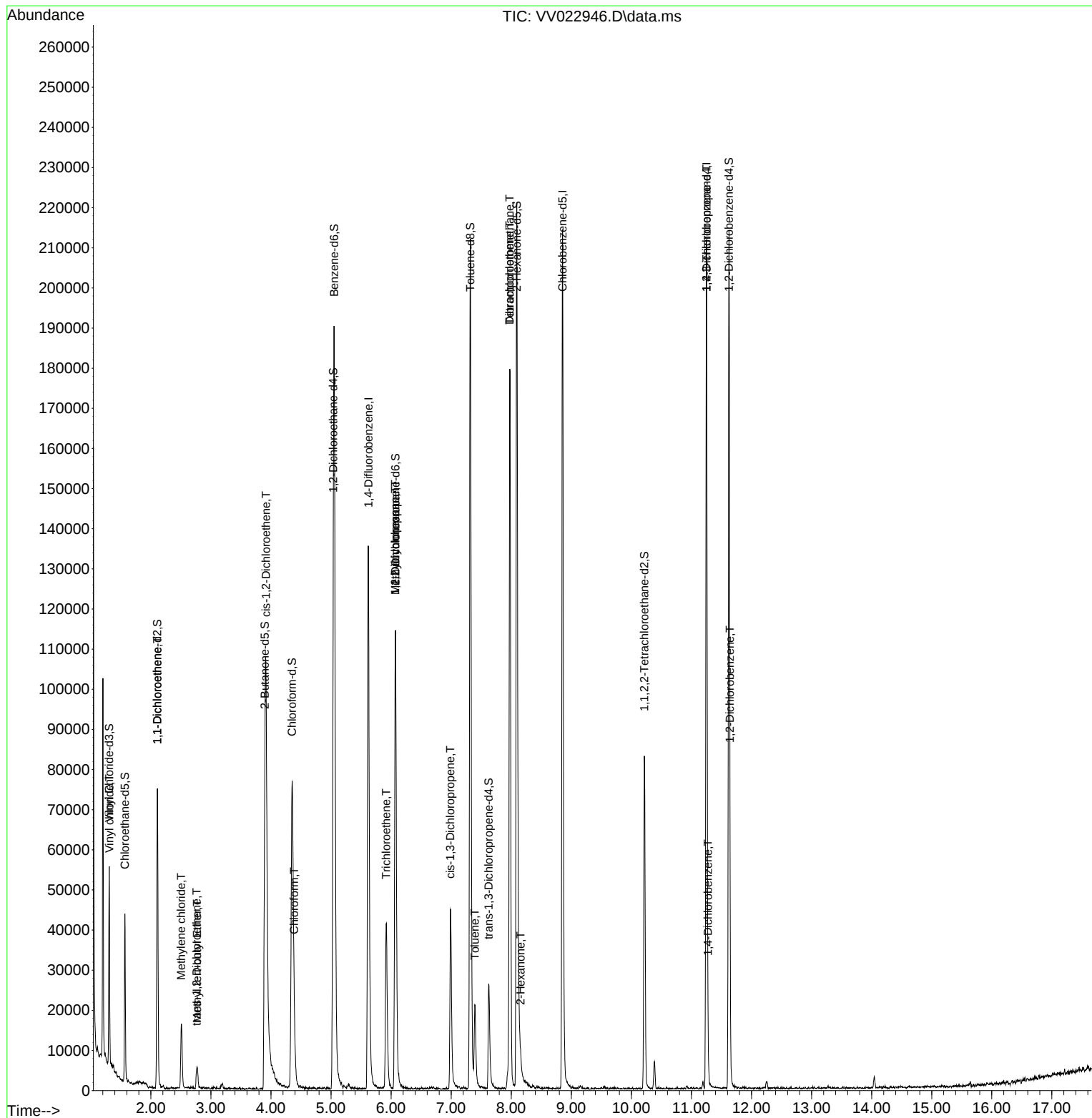
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

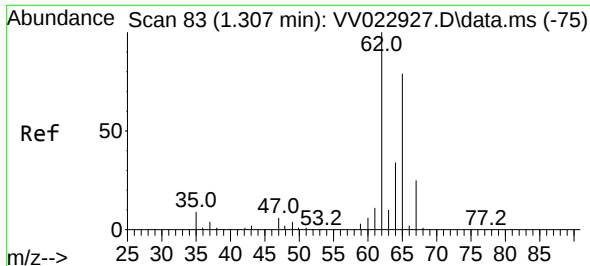
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102021\
Data File : VV022946.D
Acq On : 20 Oct 2021 21:16
Operator : SY/MD
Sample : M4137-09DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFGB0DL

Quant Time: Oct 21 02:50:19 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 21 02:43:59 2021
Response via : Initial Calibration

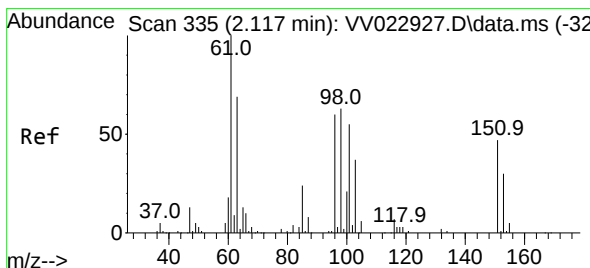
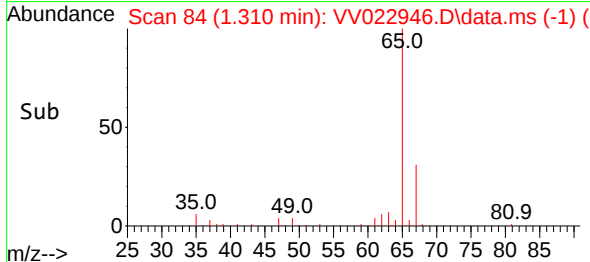
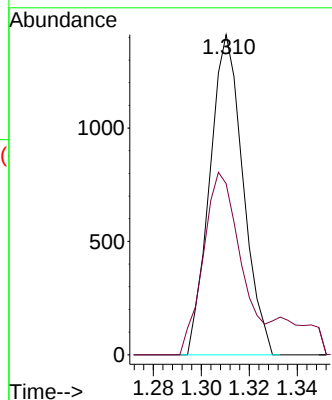
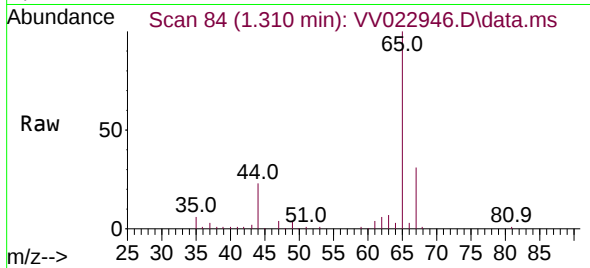




#5
 Vinyl chloride
 Concen: 0.148 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022946.D
 Acq: 20 Oct 2021 21:16

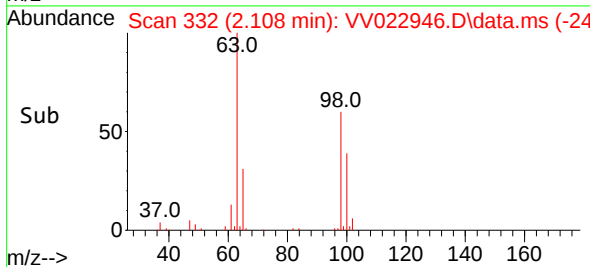
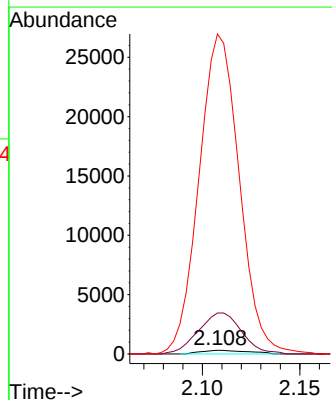
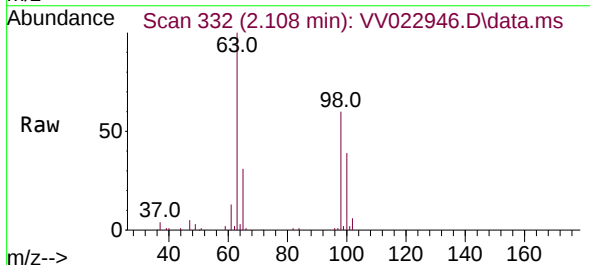
Instrument :
 MSVOA_V
 ClientSampleID :
 BFGB0DL

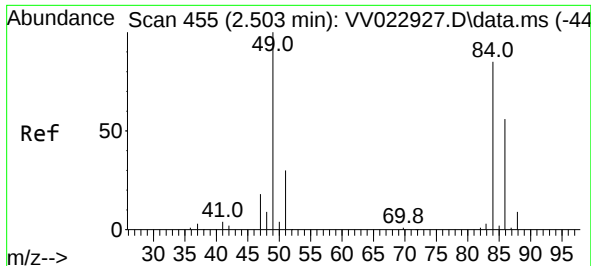
Tgt Ion: 62 Resp: 1361
 Ion Ratio Lower Upper
 62 100
 64 53.5 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 0.070 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.010 min
 Lab File: VV022946.D
 Acq: 20 Oct 2021 21:16

Tgt Ion: 96 Resp: 515
 Ion Ratio Lower Upper
 96 100
 61 1122.8 127.3 236.5#
 63 8784.4 106.2 197.2#

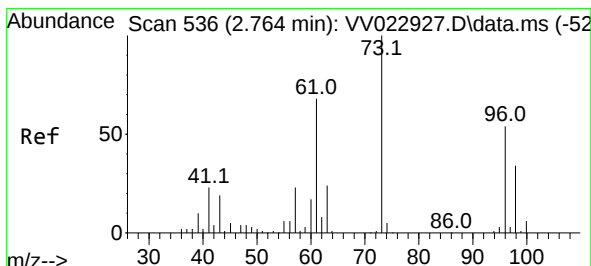
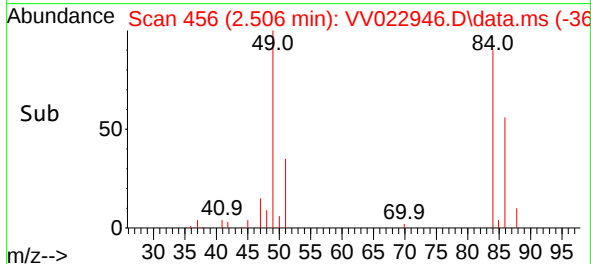
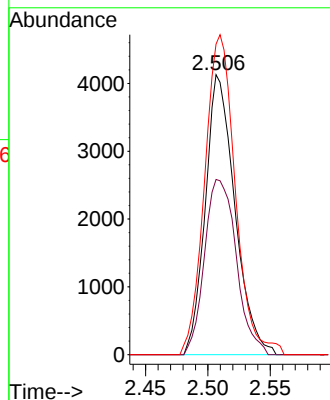
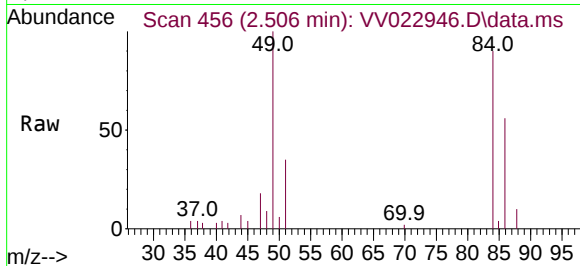




#16
Methylene chloride
Concen: 0.675 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

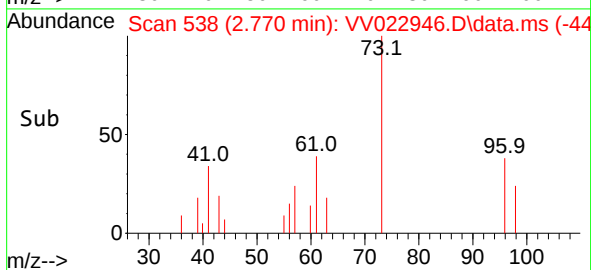
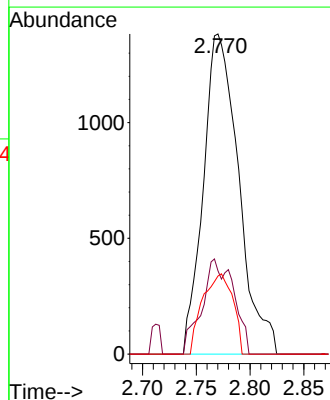
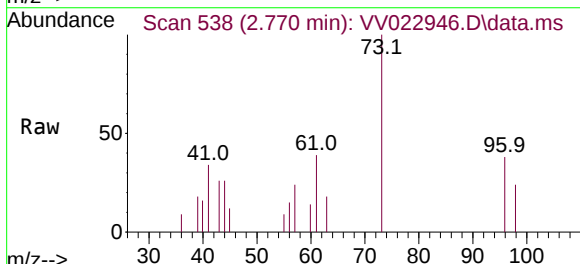
Instrument :
MSVOA_V
ClientSampleId :
BFGB0DL

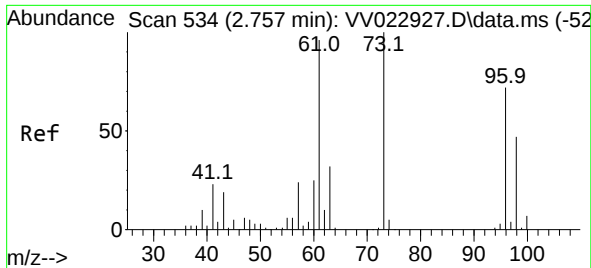
Tgt Ion:	84	Resp:	6805
Ion	Ratio	Lower	Upper
84	100		
86	62.6	45.8	85.2
49	110.9	90.3	167.7



#17
Methyl tert-butyl Ether
Concen: 0.179 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.006 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Tgt Ion:	73	Resp:	3166
Ion	Ratio	Lower	Upper
73	100		
43	16.4	17.1	25.7#
57	21.4	17.2	25.8

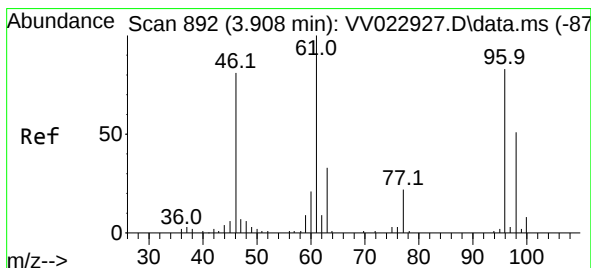
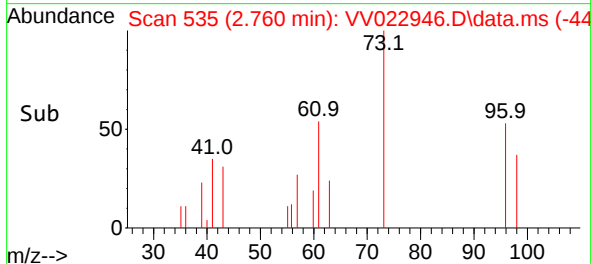
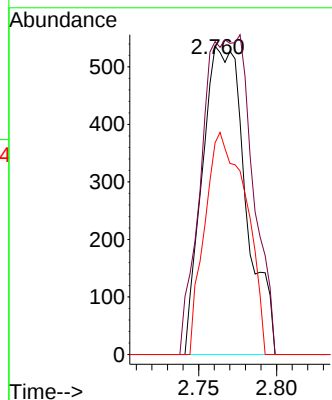
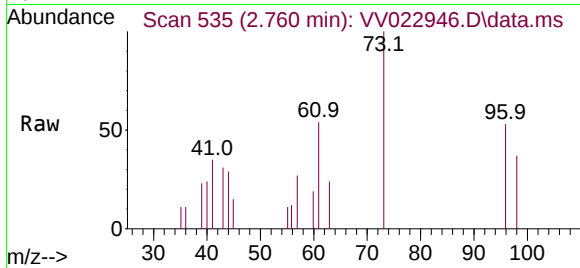




#18
trans-1,2-Dichloroethene
Concen: 0.131 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

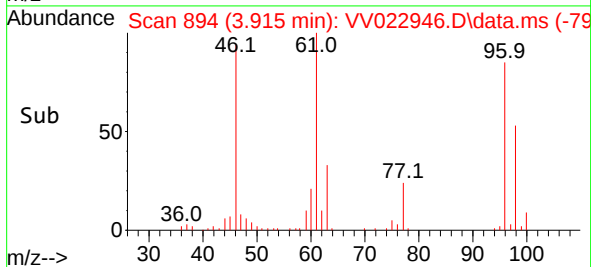
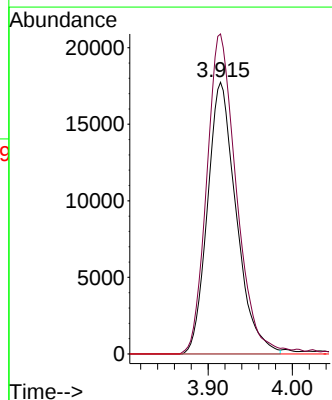
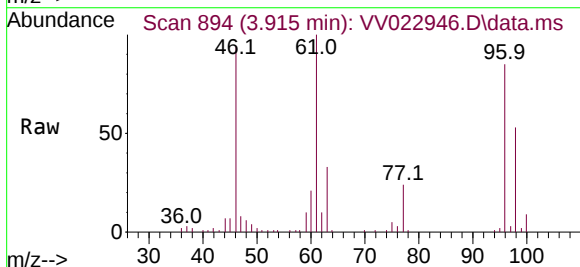
Instrument :
MSVOA_V
ClientSampleId :
BFGB0DL

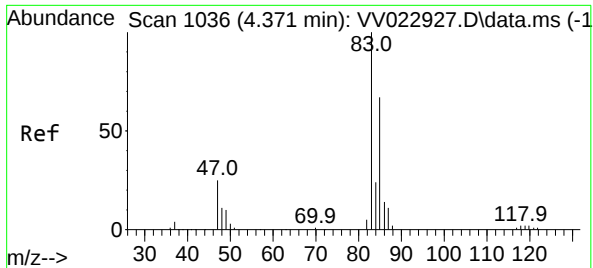
Tgt Ion: 96 Resp: 1041
Ion Ratio Lower Upper
96 100
61 101.5 94.5 175.5
98 68.7 44.2 82.0



#22
cis-1,2-Dichloroethene
Concen: 5.039 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.006 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Tgt Ion: 96 Resp: 42166
Ion Ratio Lower Upper
96 100
61 117.8 86.0 159.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.958 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV022946.D

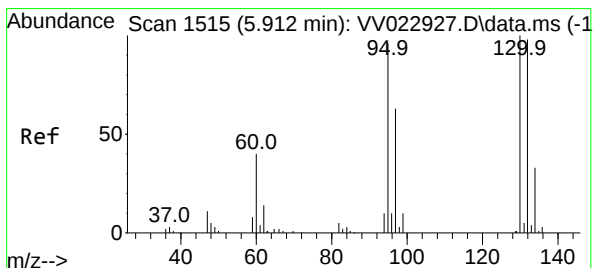
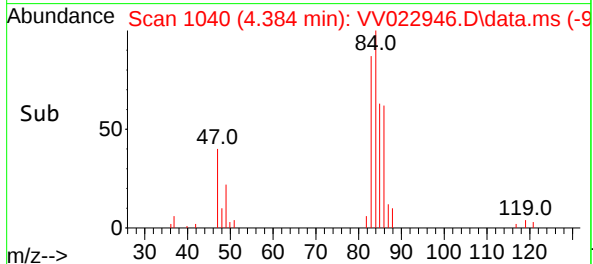
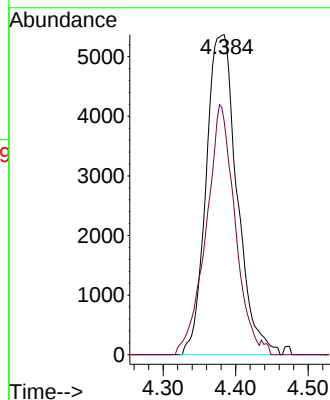
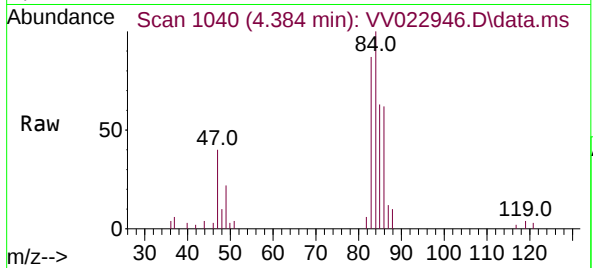
Acq: 20 Oct 2021 21:16

Tgt Ion: 83 Resp: 15934

Ion Ratio Lower Upper

83 100

85 72.9 45.7 84.9



#34

Trichloroethene

Concen: 1.563 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV022946.D

Acq: 20 Oct 2021 21:16

Tgt Ion: 95 Resp: 14200

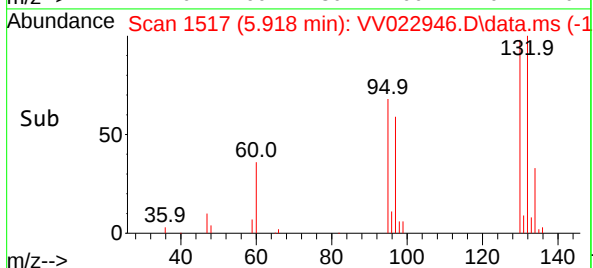
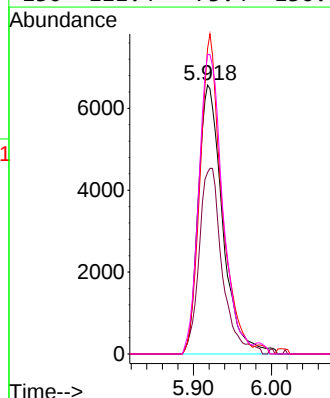
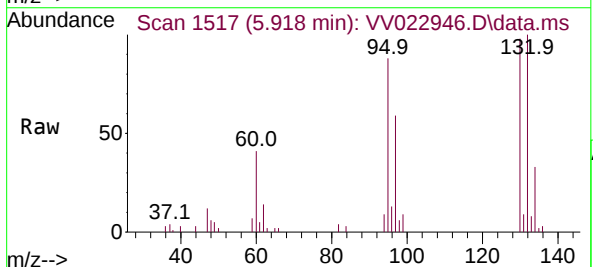
Ion Ratio Lower Upper

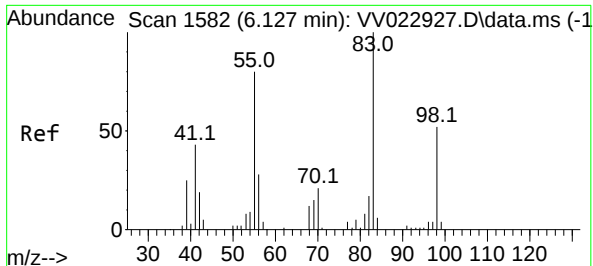
95 100

97 67.4 45.8 85.2

132 113.5 72.2 134.0

130 111.4 73.4 136.4





#35

Methylcyclohexane

Concen: 1.055 ug/L

RT: 6.069 min Scan# 1564

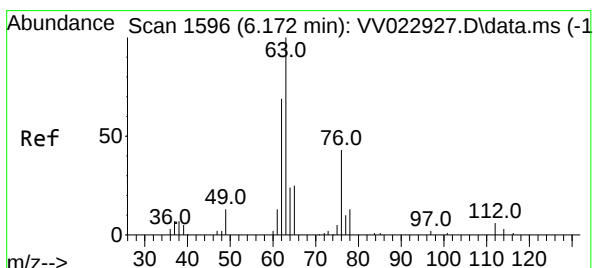
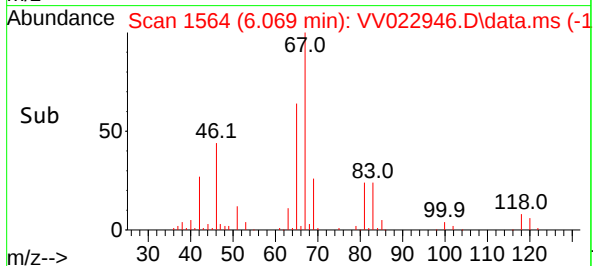
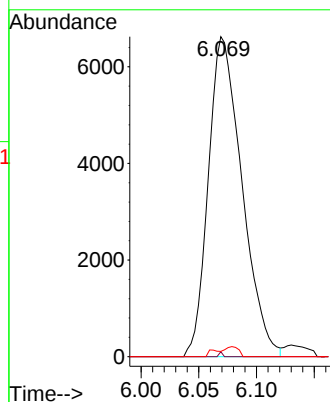
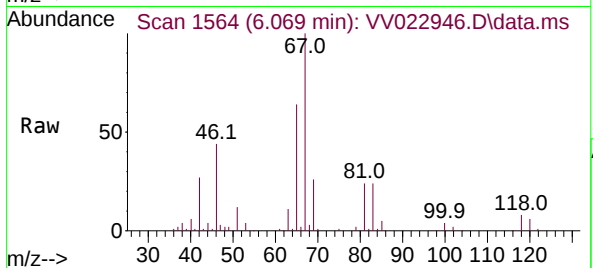
Delta R.T. -0.058 min

Lab File: VV022946.D

Acq: 20 Oct 2021 21:16

Tgt Ion:	83	Resp:	13425
Ion	Ratio	Lower	Upper
83	100		
55	0.1	63.8	95.6#
98	1.2	42.1	63.1#

Instrument :
MSVOA_V
ClientSampleId :
BFGB0DL



#37

1,2-Dichloropropane

Concen: 0.768 ug/L

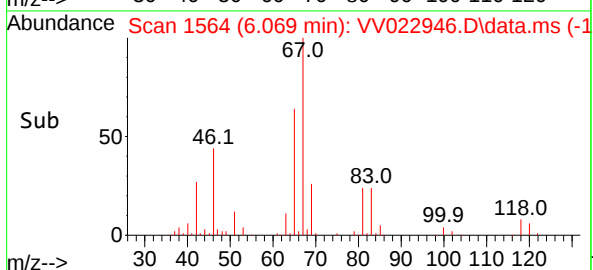
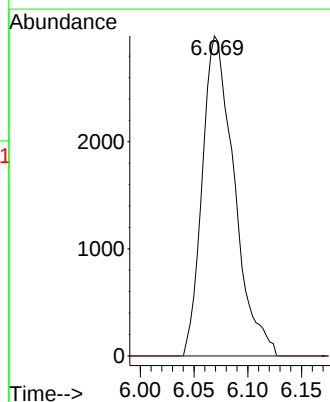
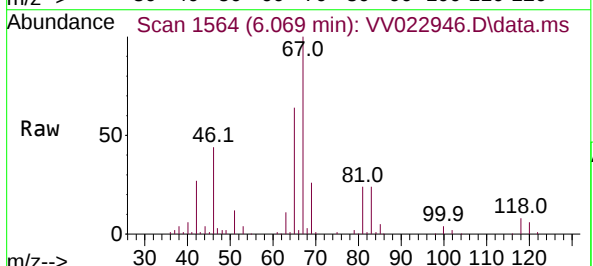
RT: 6.069 min Scan# 1564

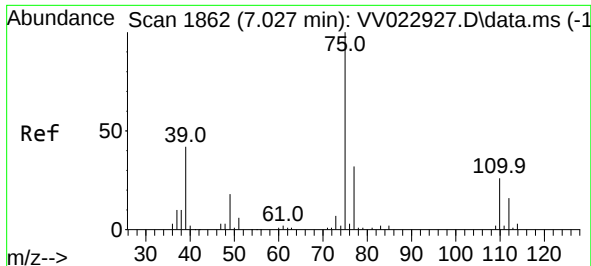
Delta R.T. -0.103 min

Lab File: VV022946.D

Acq: 20 Oct 2021 21:16

Tgt Ion:	63	Resp:	6173
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

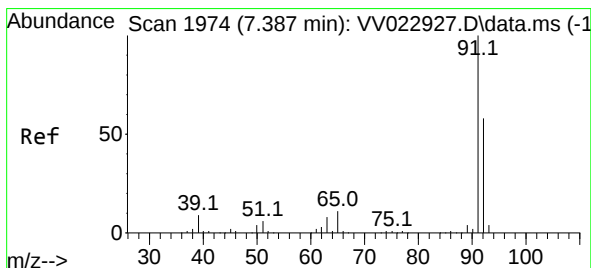
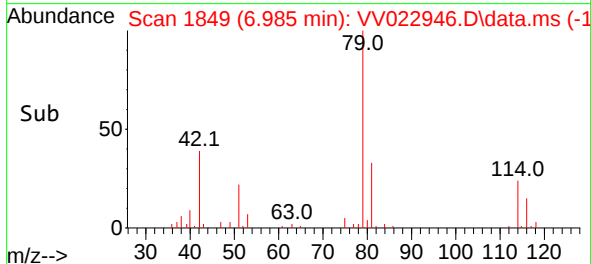
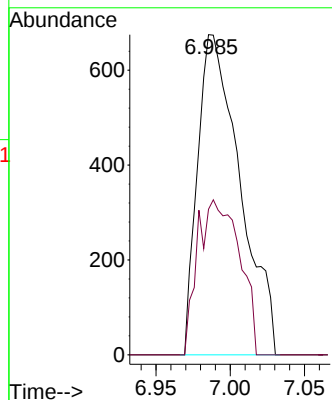
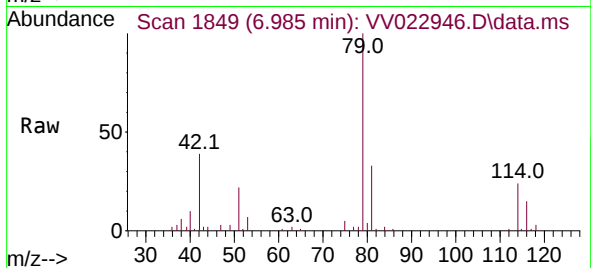




#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 6.985 min Scan# 1849
 Delta R.T. -0.042 min
 Lab File: VV022946.D
 Acq: 20 Oct 2021 21:16

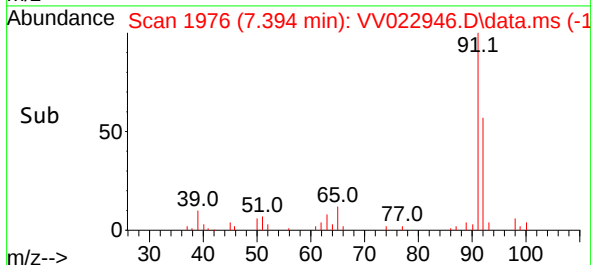
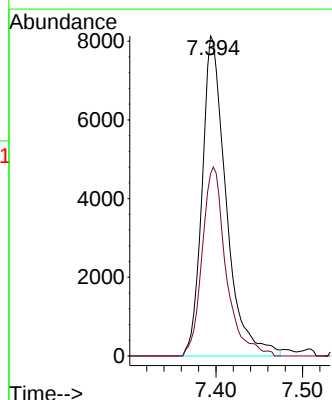
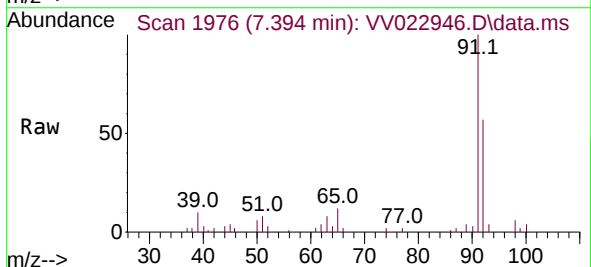
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGB0DL

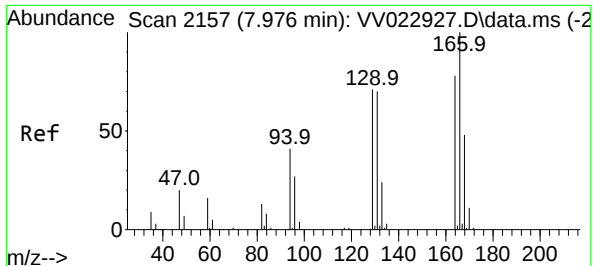
Tgt Ion: 75 Resp: 1339
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.3 41.3#



#42
 Toluene
 Concen: 0.461 ug/L
 RT: 7.394 min Scan# 1976
 Delta R.T. 0.006 min
 Lab File: VV022946.D
 Acq: 20 Oct 2021 21:16

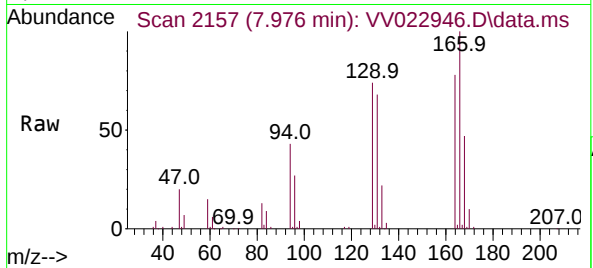
Tgt Ion: 91 Resp: 15639
 Ion Ratio Lower Upper
 91 100
 92 57.0 40.7 75.7



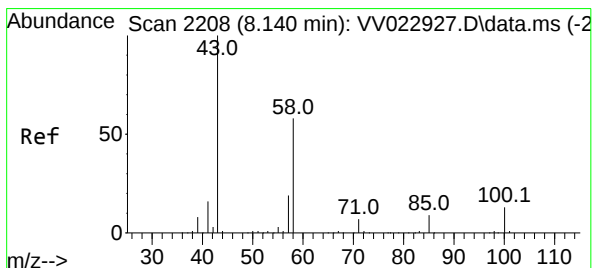
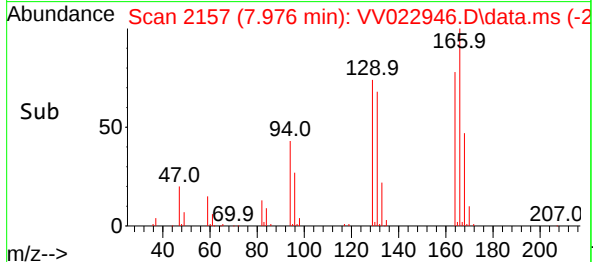
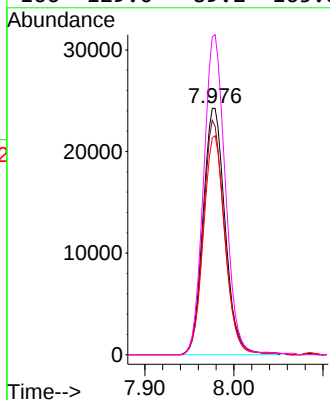


#47
Tetrachloroethene
Concen: 5.672 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Instrument :
MSVOA_V
ClientSampleId :
BFG80DL

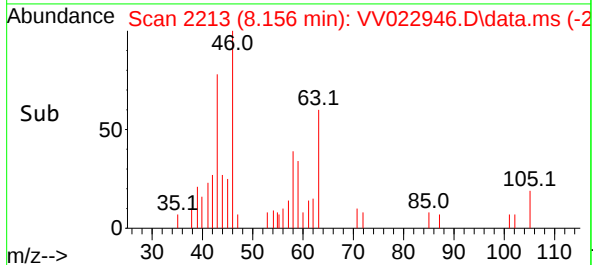
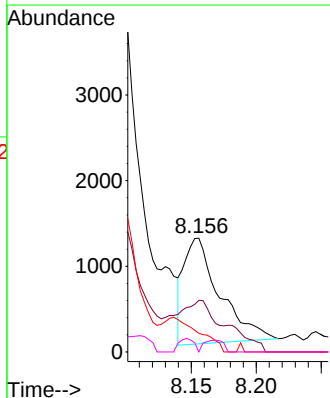
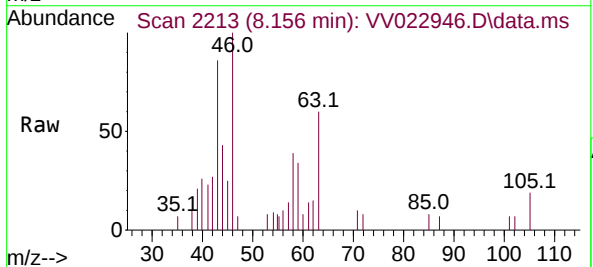


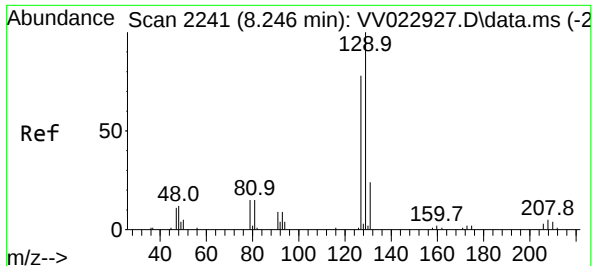
Tgt Ion:164	Resp:	41681
Ion	Ratio	Lower Upper
164	100	
129	95.1	65.0 120.6
131	87.9	62.2 115.4
166	129.0	89.2 165.8



#48
2-Hexanone
Concen: 0.750 ug/L
RT: 8.156 min Scan# 2213
Delta R.T. 0.016 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Tgt Ion: 43	Resp:	2368
Ion	Ratio	Lower Upper
43	100	
58	60.2	47.4 71.0
57	30.6	15.3 22.9#
100	5.3	10.4 15.6#





#49

Dibromochloromethane

Concen: 5.299 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV022946.D

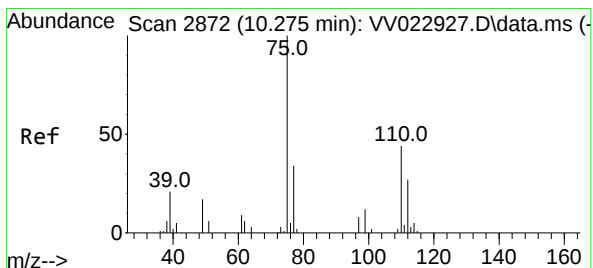
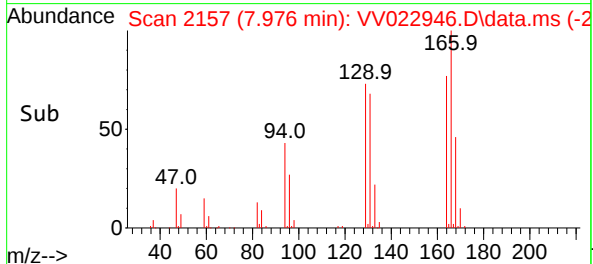
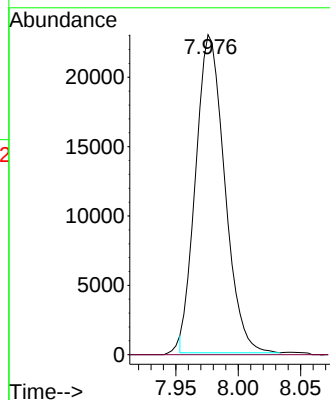
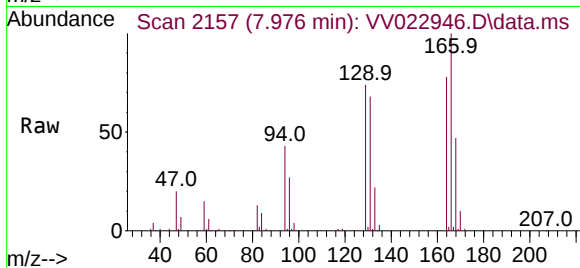
Acq: 20 Oct 2021 21:16

Tgt Ion:129 Resp: 36991

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#61

1,2,3-Trichloropropane

Concen: 1.572 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022946.D

Acq: 20 Oct 2021 21:16

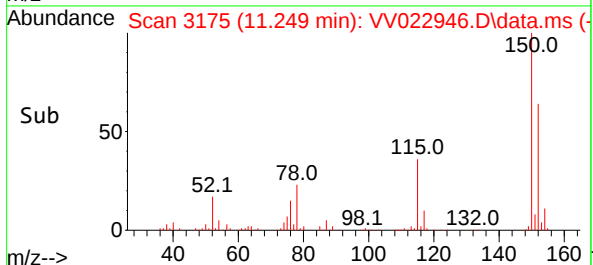
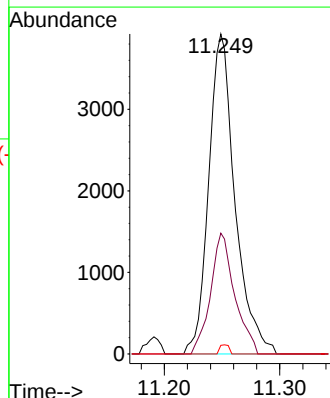
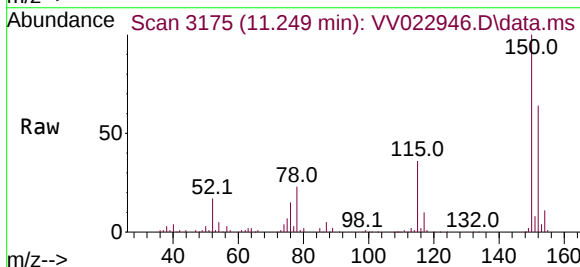
Tgt Ion: 75 Resp: 6196

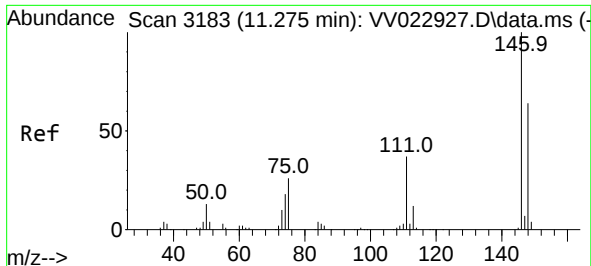
Ion Ratio Lower Upper

75 100

77 34.7 25.4 38.2

110 1.0 34.2 51.4#

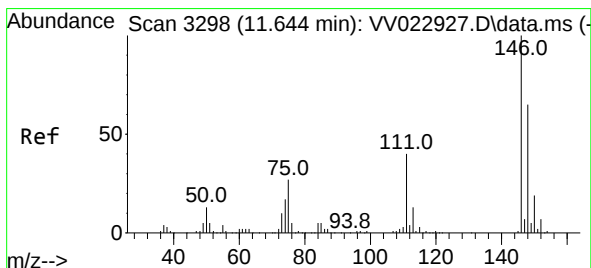
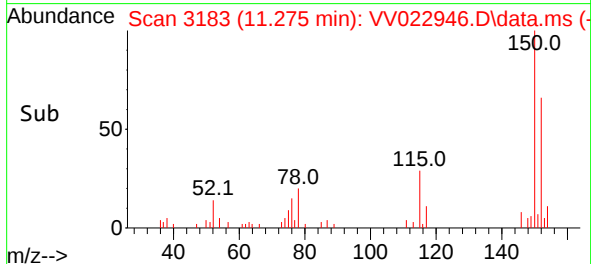
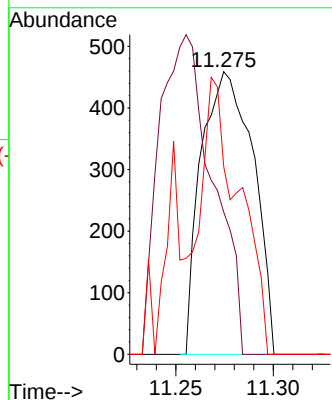
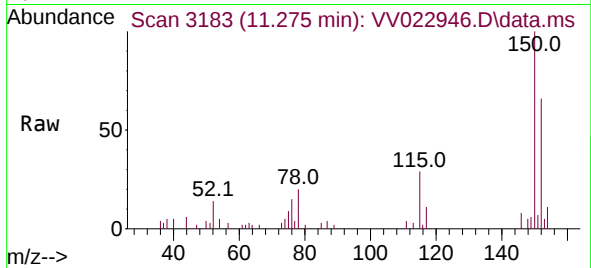




#65
1,4-Dichlorobenzene
Concen: 0.055 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Instrument :
MSVOA_V
ClientSampled :
BFGB0DL

Tgt Ion:146 Resp: 851
Ion Ratio Lower Upper
146 100
111 50.3 25.6 47.4#
148 66.4 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.065 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. -0.003 min
Lab File: VV022946.D
Acq: 20 Oct 2021 21:16

Tgt Ion:146 Resp: 929
Ion Ratio Lower Upper
146 100
111 67.2 32.3 48.5#
148 65.8 52.1 78.1

