

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110521\
 Data File : VW023258.D
 Acq On : 06 Nov 2021 01:44
 Operator : SY/MD
 Sample : M4535-23
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 08 06:48:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 08 06:44:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139968	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	142707	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65109	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	35428	4.040	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	80.800%	
7) Chloroethane-d5	1.568	69	32578	4.559	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.200%	
11) 1,1-Dichloroethene-d2	2.111	63	52341	3.189	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	63.800%	
20) 2-Butanone-d5	3.889	46	87109	65.753	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	131.500%#	
24) Chloroform-d	4.352	84	81948	4.385	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.800%	
26) 1,2-Dichloroethane-d4	5.037	65	38298	4.558	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.200%	
32) Benzene-d6	5.053	84	154754	4.226	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.600%	
36) 1,2-Dichloropropane-d6	6.069	67	50496	4.685	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.600%	
41) Toluene-d8	7.317	98	131423	3.830	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	76.600%	
43) trans-1,3-Dichloroprop...	7.625	79	16319	3.993	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	79.800%	
46) 2-Hexanone-d5	8.088	63	63879	42.480	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	84.960%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32819	4.234	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	84.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	49829	4.596	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	92.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	15062	1.104	ug/L	100
3) Chloromethane	1.134	50	43107	3.715	ug/L #	75
9) Trichlorofluoromethane	1.754	101	1938	0.111	ug/L	84
17) Methyl tert-butyl Ether	2.773	73	947	0.052	ug/L #	81
18) trans-1,2-Dichloroethene	2.770	96	1347	0.131	ug/L	82
22) cis-1,2-Dichloroethene	3.918	96	4179	0.423	ug/L	86
25) Chloroform	4.384	83	6388	0.346	ug/L	94
27) 1,2-Dichloroethane	5.056	62	1074	0.109	ug/L #	73
34) Trichloroethene	5.918	95	16694	1.574	ug/L	98
35) Methylcyclohexane	6.072	83	11552	0.690	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	5432	0.583	ug/L #	83
38) Bromodichloromethane	6.519	83	921	0.074	ug/L #	95
47) Tetrachloroethene	7.976	164	56674	6.165	ug/L	95
48) 2-Hexanone	8.149	43	3125	1.009	ug/L #	97
49) Dibromochloromethane	7.976	129	49567	5.847	ug/L #	11
61) 1,2,3-Trichloropropane	11.249	75	7546	1.745	ug/L #	64
68) 1,2-Dibromo-3-chloropr...	12.252	75	77	0.084	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110521\
Data File : VV023258.D
Acq On : 06 Nov 2021 01:44
Operator : SY/MD
Sample : M4535-23
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 08 06:48:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 08 06:44:32 2021
Response via : Initial Calibration

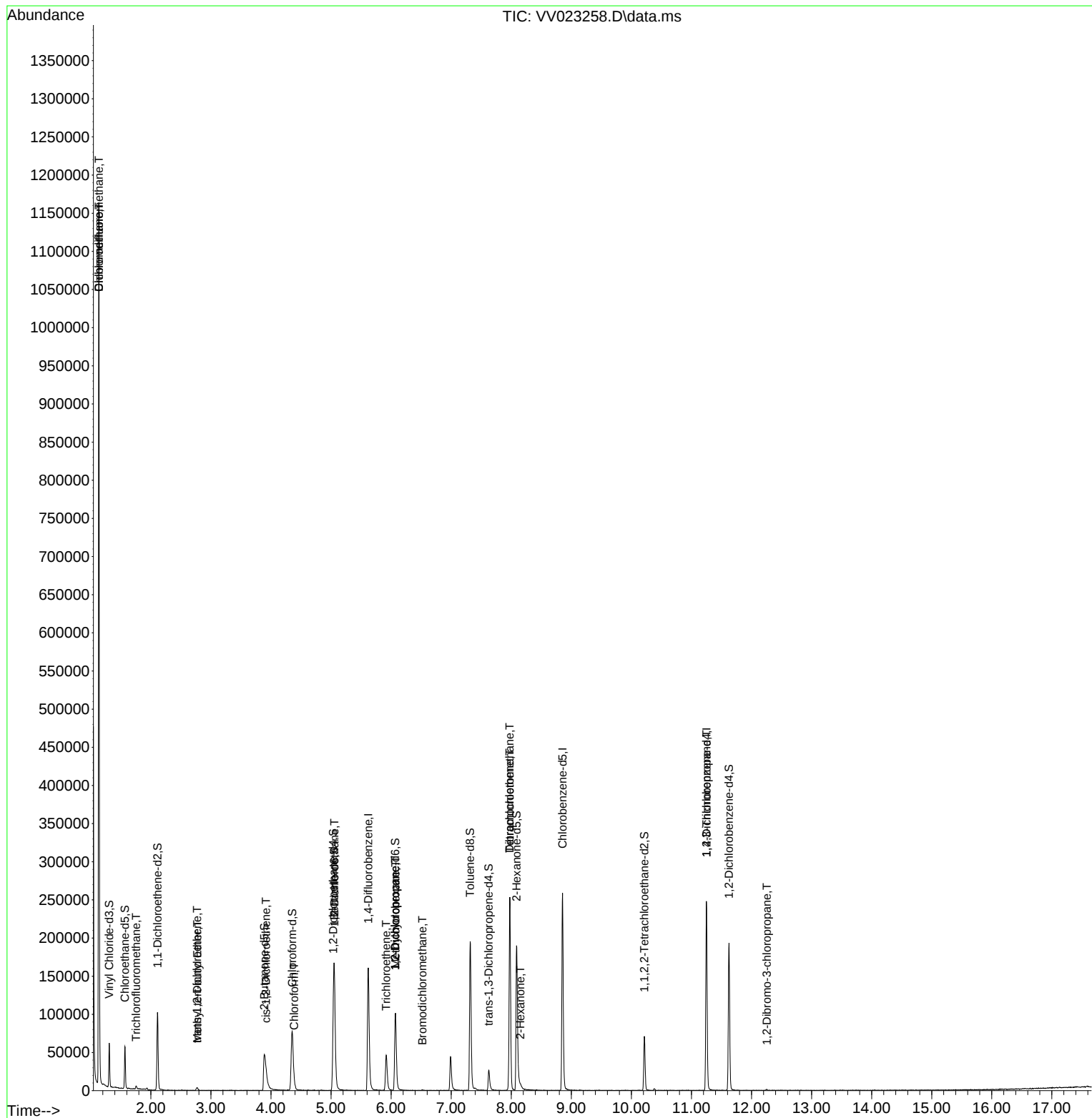
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

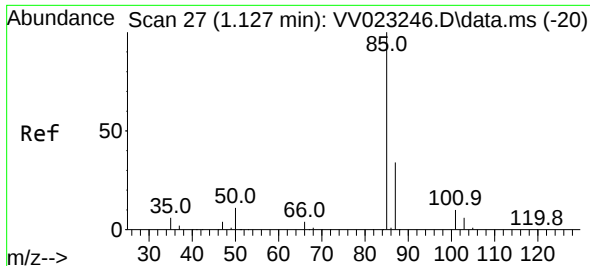
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV110521\
Data File : VV023258.D
Acq On : 06 Nov 2021 01:44
Operator : SY/MD
Sample : M4535-23
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Nov 08 06:48:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 08 06:44:32 2021
Response via : Initial Calibration

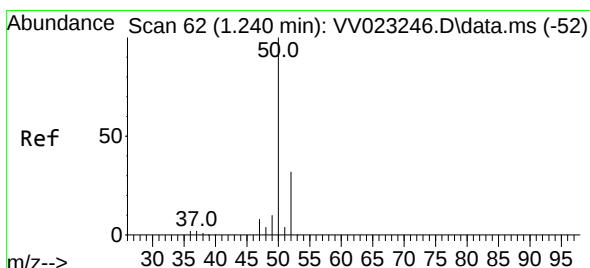
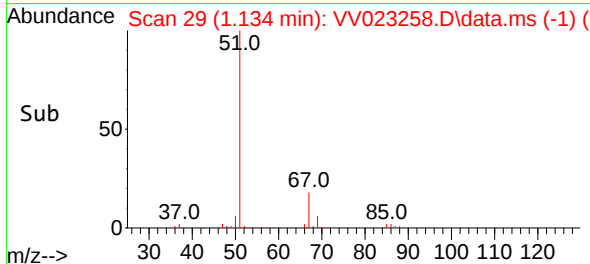
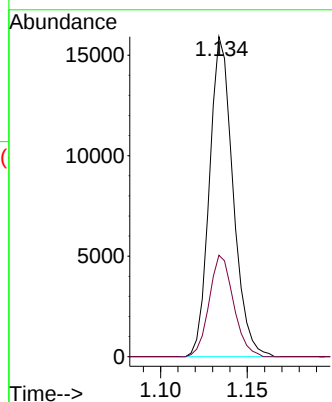
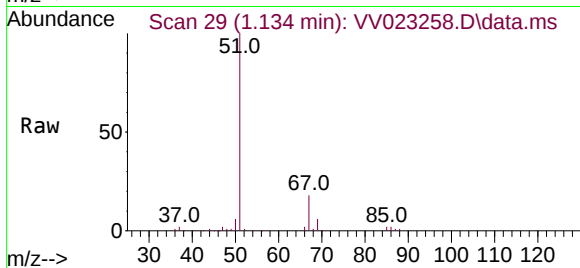




#2
 Dichlorodifluoromethane
 Concen: 1.104 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. 0.006 min
 Lab File: VV023258.D
 Acq: 06 Nov 2021 01:44

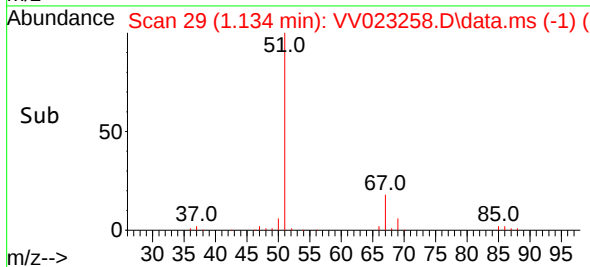
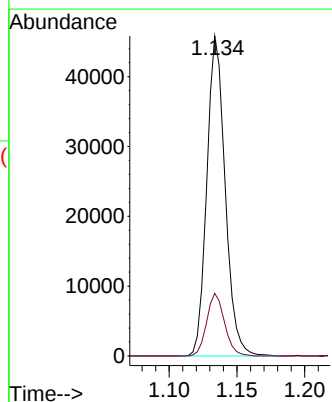
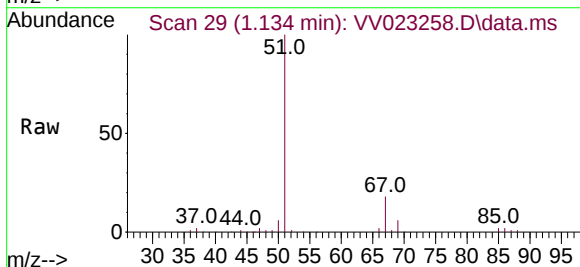
Instrument :
 MSVOA_V
 ClientSampleId :

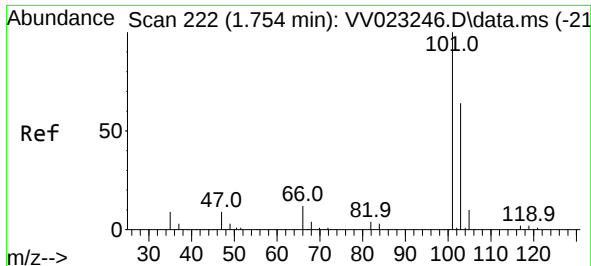
Tgt Ion: 85 Resp: 15062
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 3.715 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. -0.106 min
 Lab File: VV023258.D
 Acq: 06 Nov 2021 01:44

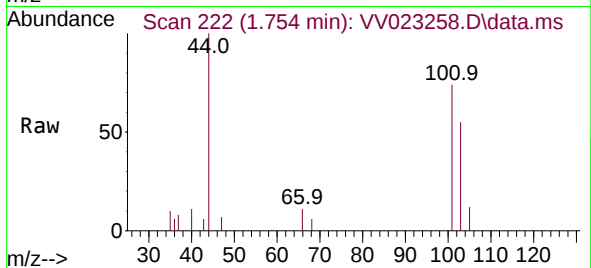
Tgt Ion: 50 Resp: 43107
 Ion Ratio Lower Upper
 50 100
 52 19.5 23.7 43.9#



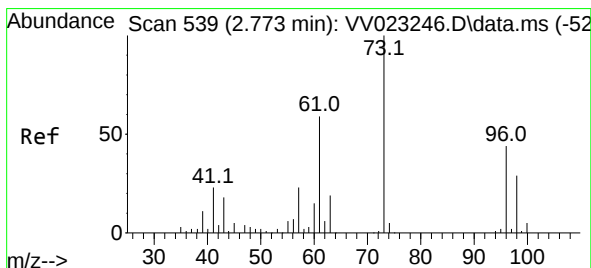
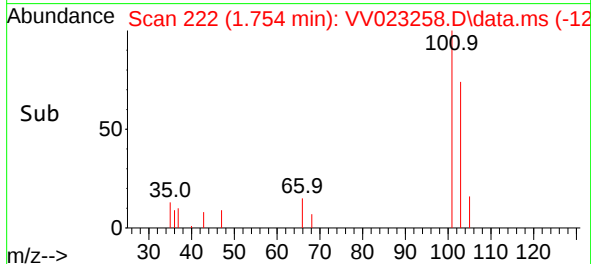
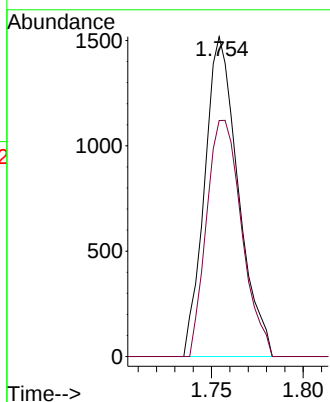


#9
Trichlorofluoromethane
Concen: 0.111 ug/L
RT: 1.754 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV023258.D
Acq: 06 Nov 2021 01:44

Instrument :
MSVOA_V
ClientSampleId :

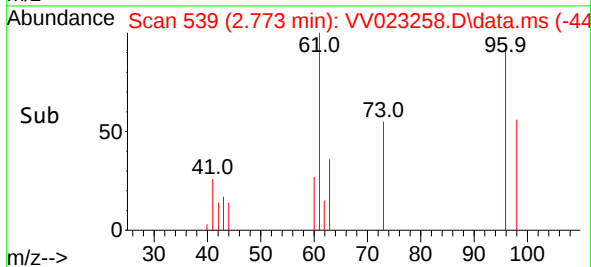
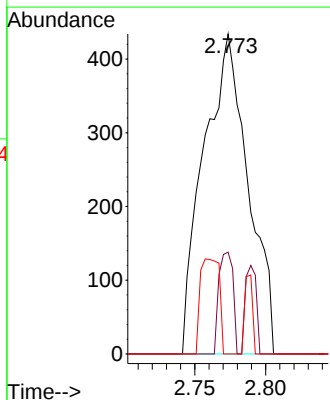
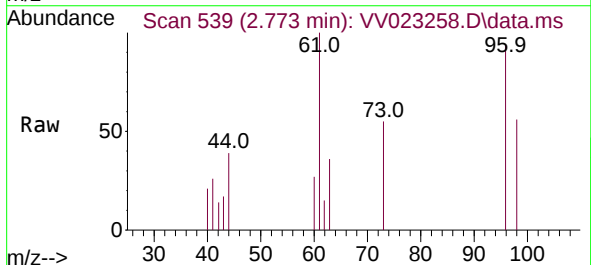


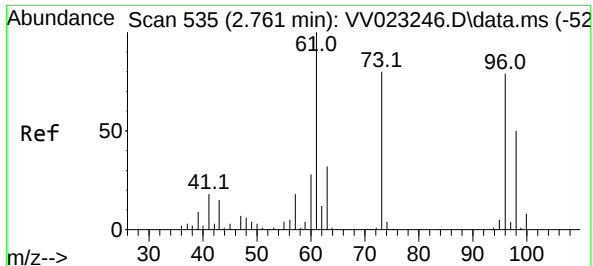
Tgt Ion:101 Resp: 1938
Ion Ratio Lower Upper
101 100
103 77.2 51.9 77.9



#17
Methyl tert-butyl Ether
Concen: 0.052 ug/L
RT: 2.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: VV023258.D
Acq: 06 Nov 2021 01:44

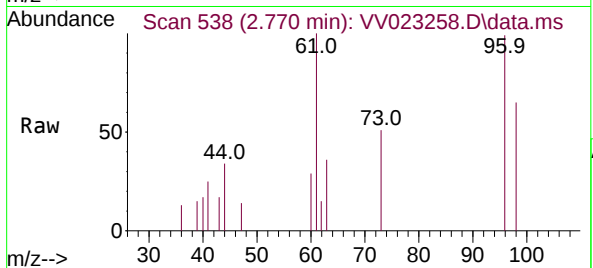
Tgt Ion: 73 Resp: 947
Ion Ratio Lower Upper
73 100
43 10.1 14.2 21.4#
57 12.7 17.8 26.8#





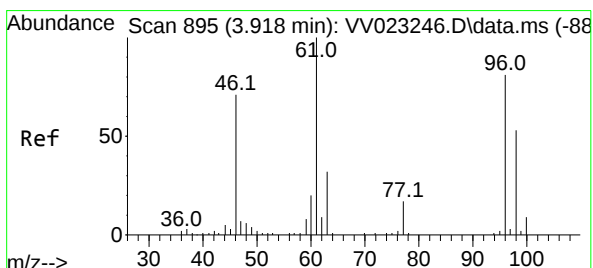
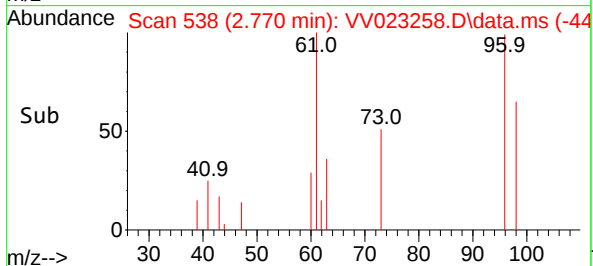
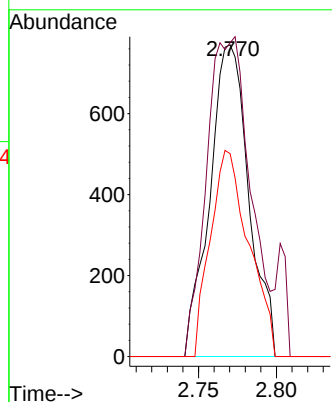
#18
 trans-1,2-Dichloroethene
 Concen: 0.131 ug/L
 RT: 2.770 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VV023258.D
 Acq: 06 Nov 2021 01:44

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 1347

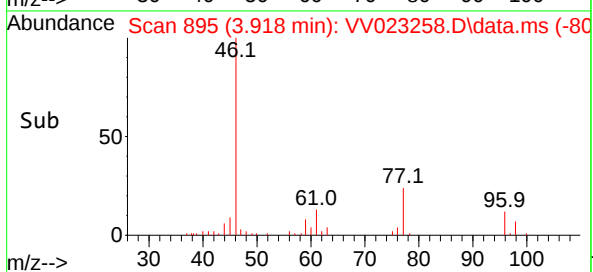
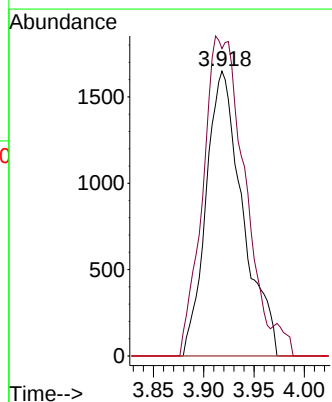
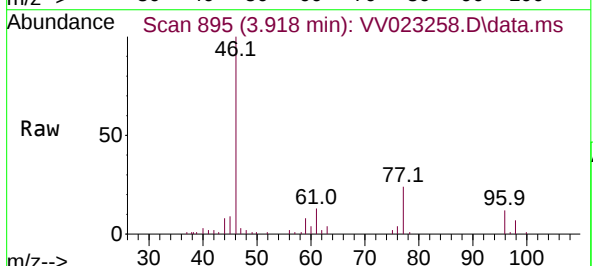
Ion	Ratio	Lower	Upper
96	100		
61	100.6	89.2	165.6
98	65.1	41.9	77.9

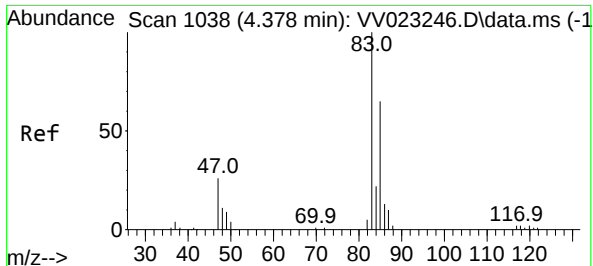


#22
 cis-1,2-Dichloroethene
 Concen: 0.423 ug/L
 RT: 3.918 min Scan# 895
 Delta R.T. -0.000 min
 Lab File: VV023258.D
 Acq: 06 Nov 2021 01:44

Tgt Ion: 96 Resp: 4179

Ion	Ratio	Lower	Upper
96	100		
61	107.9	86.7	160.9
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.346 ug/L

RT: 4.384 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

Instrument :

MSVOA_V

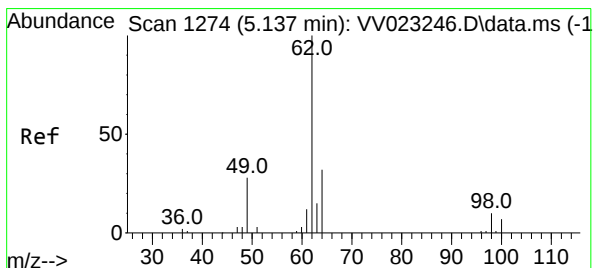
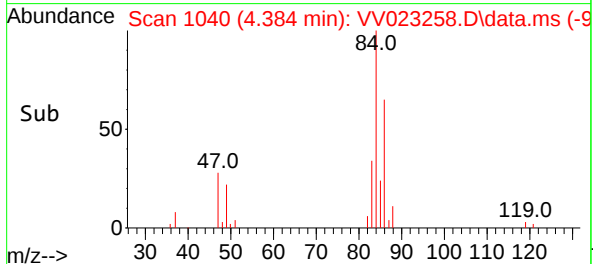
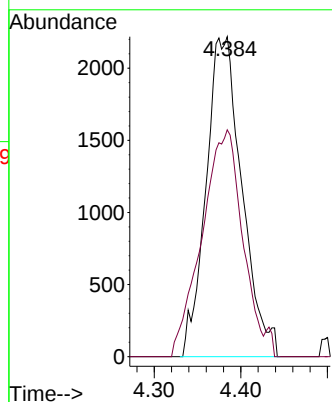
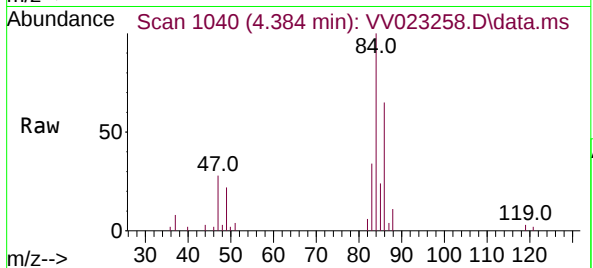
ClientSampleId :

Tgt Ion: 83 Resp: 6388

Ion Ratio Lower Upper

83 100

85 70.9 46.3 85.9



#27

1,2-Dichloroethane

Concen: 0.109 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. -0.080 min

Lab File: VV023258.D

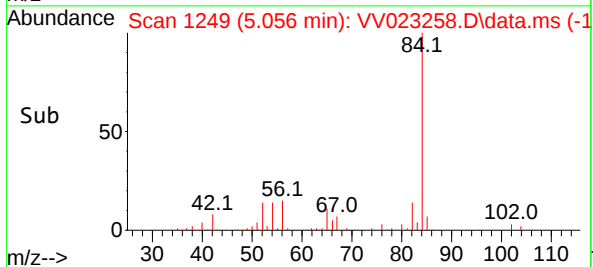
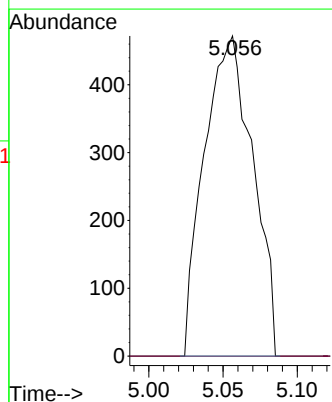
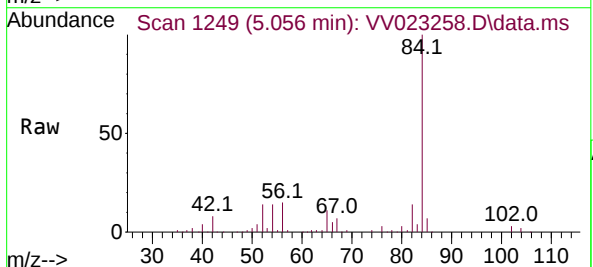
Acq: 06 Nov 2021 01:44

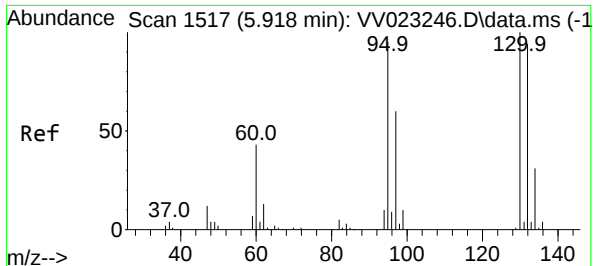
Tgt Ion: 62 Resp: 1074

Ion Ratio Lower Upper

62 100

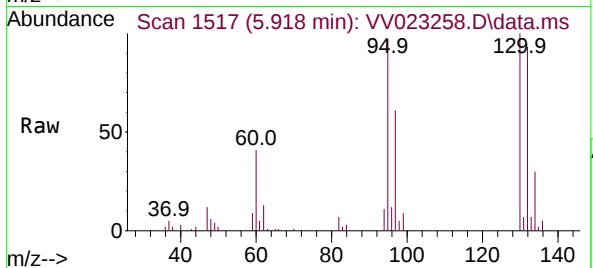
98 0.0 8.2 12.2#



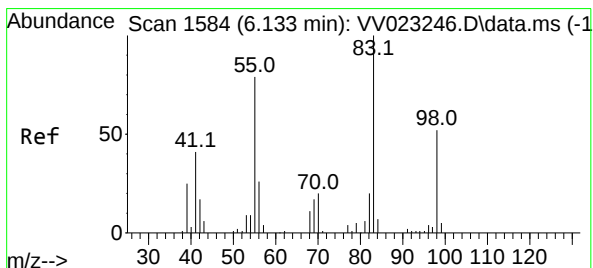
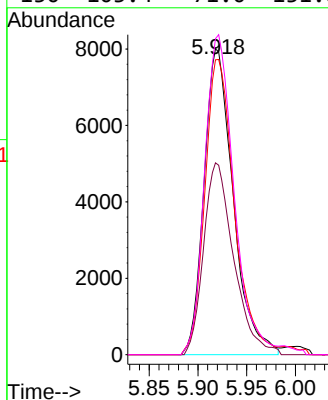
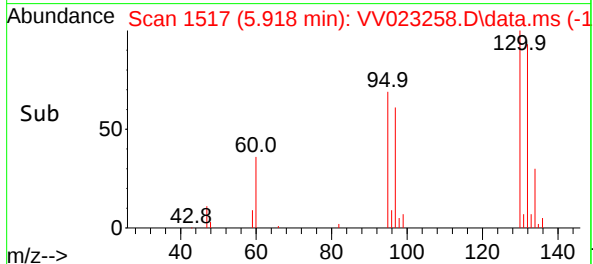


#34
Trichloroethene
Concen: 1.574 ug/L
RT: 5.918 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV023258.D
Acq: 06 Nov 2021 01:44

Instrument :
MSVOA_V
ClientSampleId :

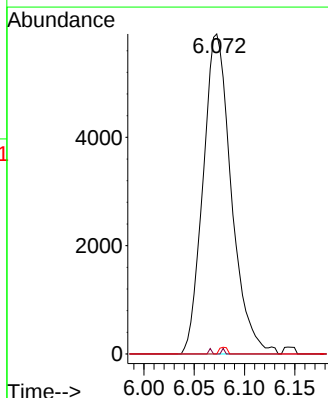
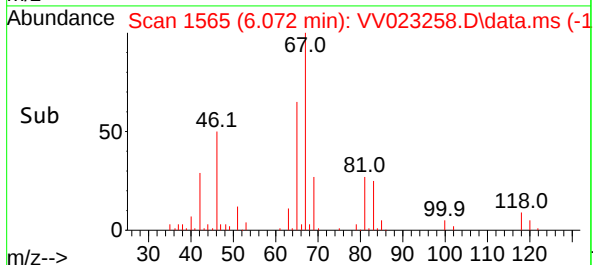
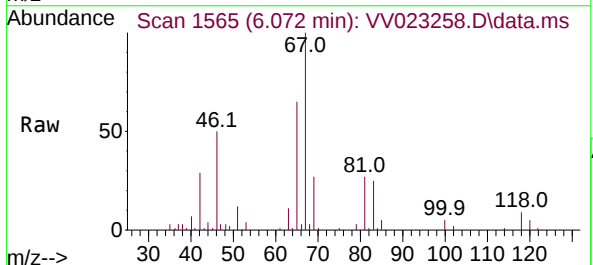


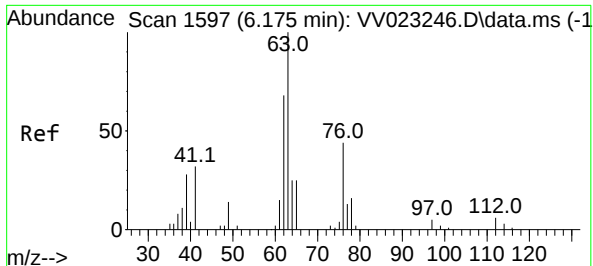
Tgt Ion: 95 Resp: 16694
Ion Ratio Lower Upper
95 100
97 62.7 43.3 80.5
132 96.5 70.0 130.0
130 103.4 71.0 131.8



#35
Methylcyclohexane
Concen: 0.690 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV023258.D
Acq: 06 Nov 2021 01:44

Tgt Ion: 83 Resp: 11552
Ion Ratio Lower Upper
83 100
55 0.2 59.6 89.4#
98 0.6 40.6 61.0#





#37

1,2-Dichloropropane

Concen: 0.583 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

Instrument :

MSVOA_V

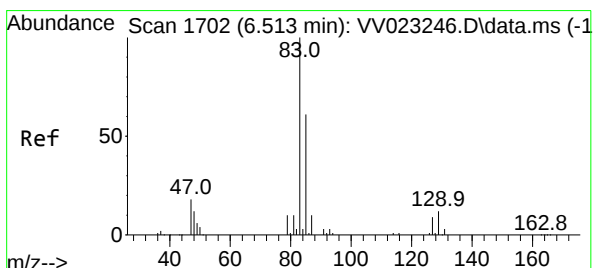
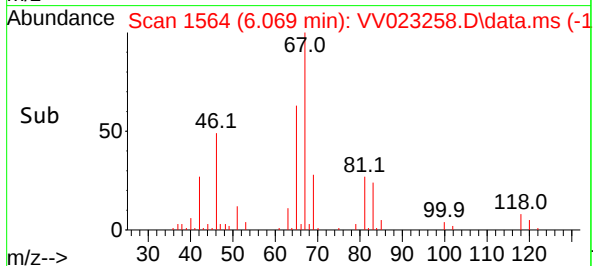
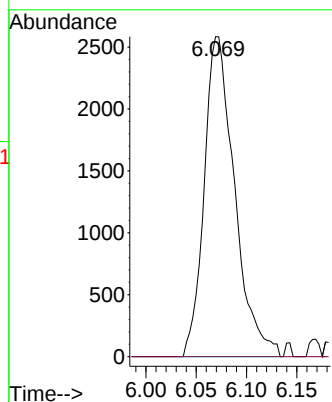
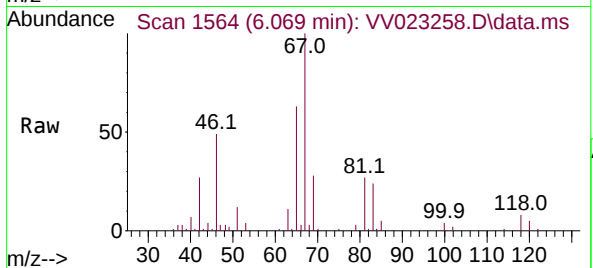
ClientSampleId :

Tgt Ion: 63 Resp: 5432

Ion Ratio Lower Upper

63 100

112 0.0 4.5 6.7#



#38

Bromodichloromethane

Concen: 0.074 ug/L

RT: 6.519 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

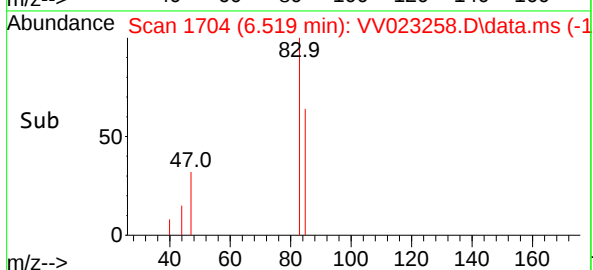
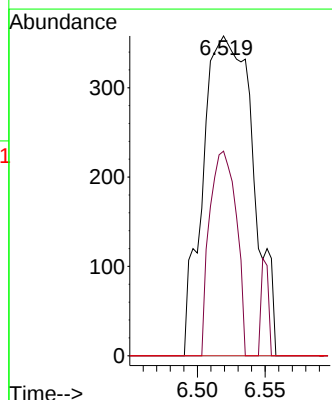
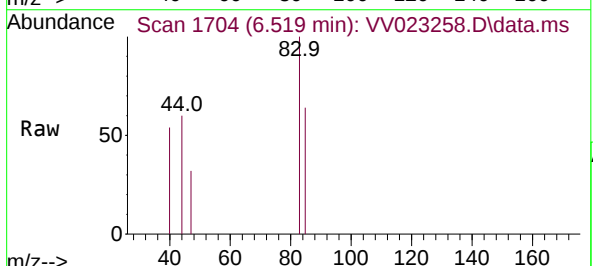
Tgt Ion: 83 Resp: 921

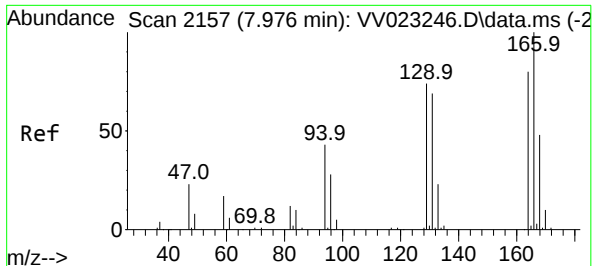
Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.5

127 0.0 7.5 11.3#





#47

Tetrachloroethene

Concen: 6.165 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

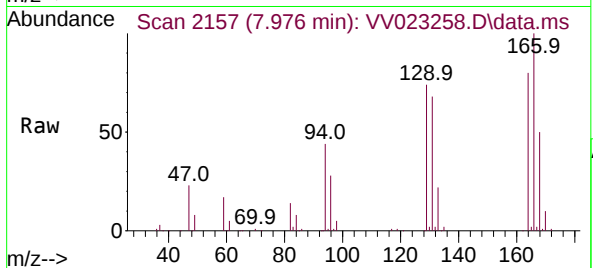
Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 56674

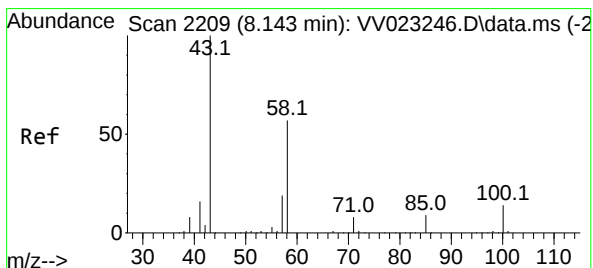
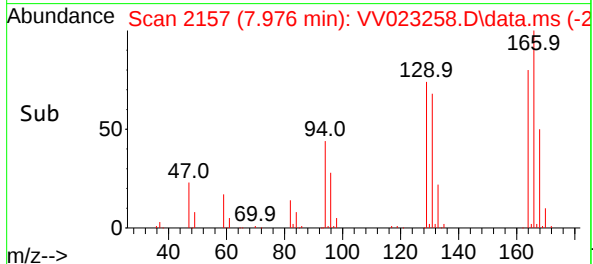
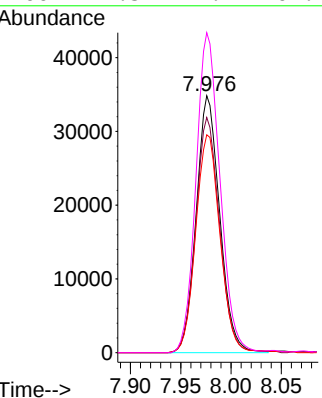
Ion Ratio Lower Upper

164 100

129 91.5 65.5 121.7

131 84.8 63.9 118.7

166 124.5 91.1 169.1



#48

2-Hexanone

Concen: 1.009 ug/L

RT: 8.149 min Scan# 2211

Delta R.T. 0.006 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

Tgt Ion: 43 Resp: 3125

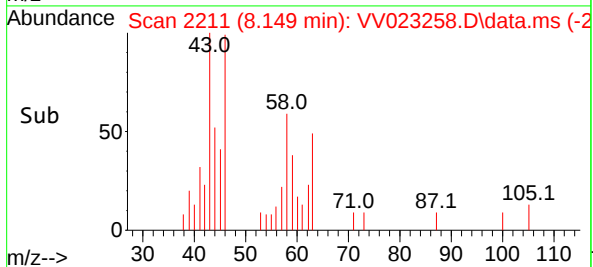
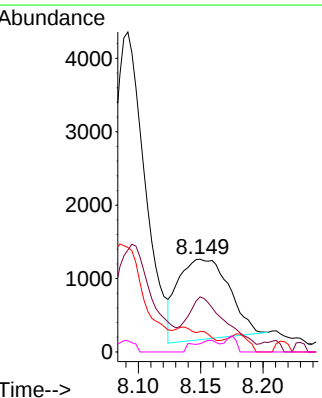
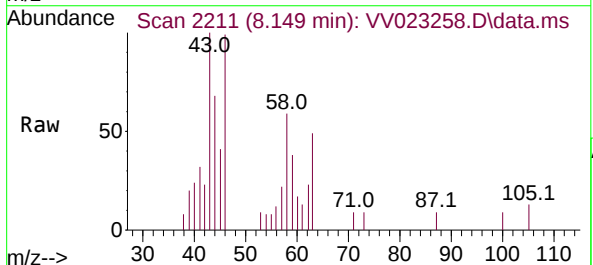
Ion Ratio Lower Upper

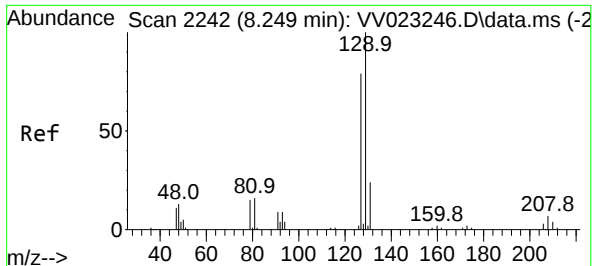
43 100

58 54.4 43.0 64.6

57 19.5 14.9 22.3

100 7.0 10.3 15.5#





#49

Dibromochloromethane

Concen: 5.847 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

Instrument :

MSVOA_V

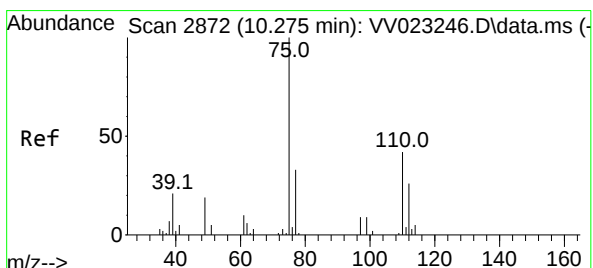
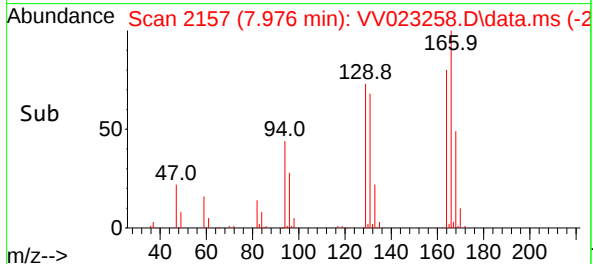
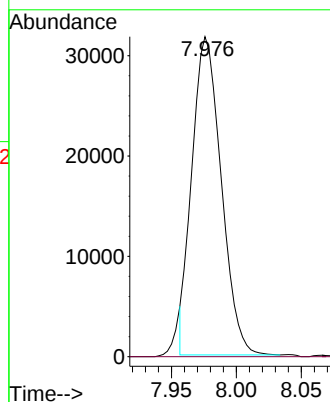
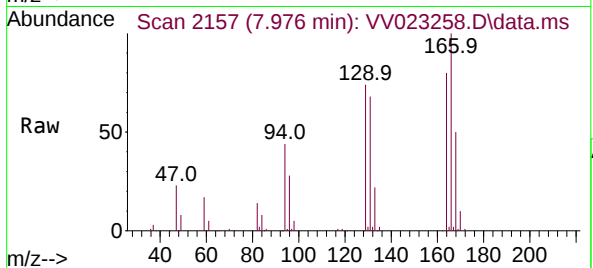
ClientSampleId :

Tgt Ion:129 Resp: 49567

Ion Ratio Lower Upper

129 100

127 0.0 54.4 101.0#



#61

1,2,3-Trichloropropane

Concen: 1.745 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023258.D

Acq: 06 Nov 2021 01:44

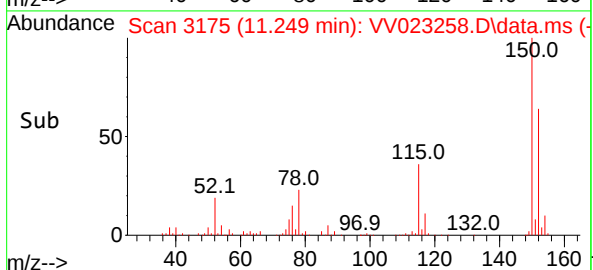
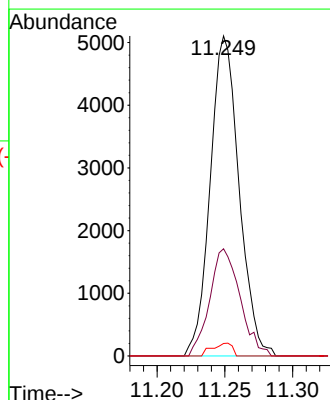
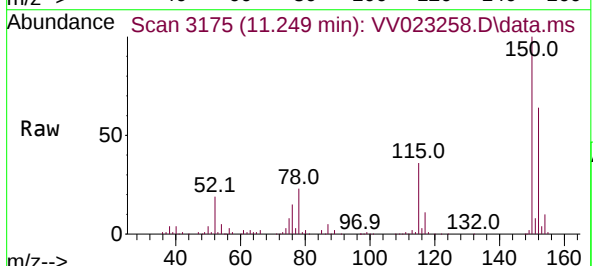
Tgt Ion: 75 Resp: 7546

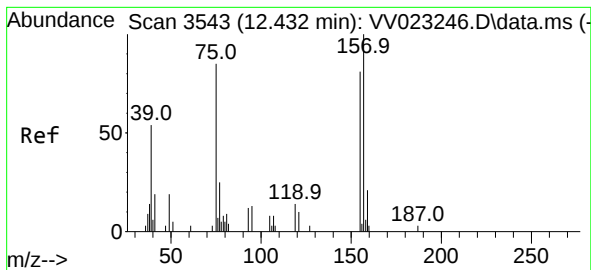
Ion Ratio Lower Upper

75 100

77 35.2 26.6 39.8

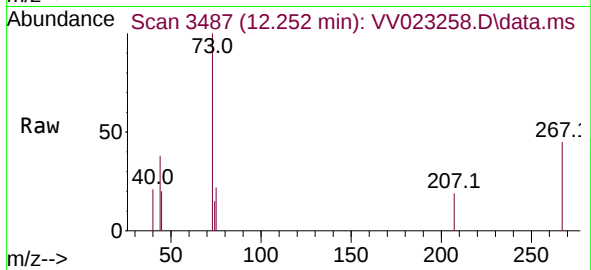
110 2.8 33.0 49.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.084 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.180 min
 Lab File: VV023258.D
 Acq: 06 Nov 2021 01:44

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 77
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.4 104.2#
 157 0.0 92.8 139.2#

