

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043917.D
 Acq On : 24 May 2021 18:50
 Operator : SY/MD
 Sample : M2494-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB413

Quant Time: May 25 04:13:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 25 04:12:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	169063	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	175009	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	74509	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	61821	6.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.40%#
7) Chloroethane-d5	1.919	69	44077	6.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.80%
11) 1,1-Dichloroethene-d2	2.575	65	27583	6.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	120.40%
20) 2-Butanone-d5	4.645	46	138203	46.32	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.64%
24) Chloroform-d	5.073	84	127003	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.00%
26) 1,2-Dichloroethane-d4	5.713	65	65002	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.735	84	255394	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
36) 1,2-Dichloropropane-d6	6.700	67	81616	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.40%
41) Toluene-d8	7.906	98	212435	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloroprop...	8.186	79	29383	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.649	63	129420	54.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.42%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	72077	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
66) 1,2-Dichlorobenzene-d4	12.201	152	84791	6.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.20%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.523	50	983	0.08	ug/L	85
6) Bromomethane	1.864	94	469	0.07	ug/L	85
12) 1,1-Dichloroethene	2.588	96	9624	0.88	ug/L #	1
13) Acetone	2.658	43	3842	2.44	ug/L	97
19) 1,1-Dichloroethane	3.880	63	8161	0.42	ug/L	95
25) Chloroform	5.096	83	16358	0.75	ug/L	99
29) 1,1,1-Trichloroethane	5.327	97	52762	2.91	ug/L	100
31) Carbon tetrachloride	5.327	117	7335	0.47	ug/L	99
34) Trichloroethene	6.546	95	802	0.07	ug/L	86
35) Methylcyclohexane	6.700	83	18929	1.05	ug/L #	18
37) 1,2-Dichloropropane	6.700	63	8133	0.65	ug/L #	86
38) Bromodichloromethane	7.115	83	33267	2.21	ug/L	98
39) cis-1,3-Dichloropropene	7.575	75	1485	0.09	ug/L #	31
42) Toluene	7.977	91	4474	0.09	ug/L	98
47) Tetrachloroethene	8.558	164	35074	3.30	ug/L	97
48) 2-Hexanone	8.649	43	14530	2.76	ug/L #	75
49) Dibromochloromethane	8.819	129	63814	5.74	ug/L	98
59) Bromoform	10.298	173	20025	3.74	ug/L	97
61) 1,2,3-Trichloropropane	11.819	75	8101	1.18	ug/L #	65

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
Data File : VU043917.D
Acq On : 24 May 2021 18:50
Operator : SY/MD
Sample : M2494-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB413

Quant Time: May 25 04:13:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 25 04:12:21 2021
Response via : Initial Calibration

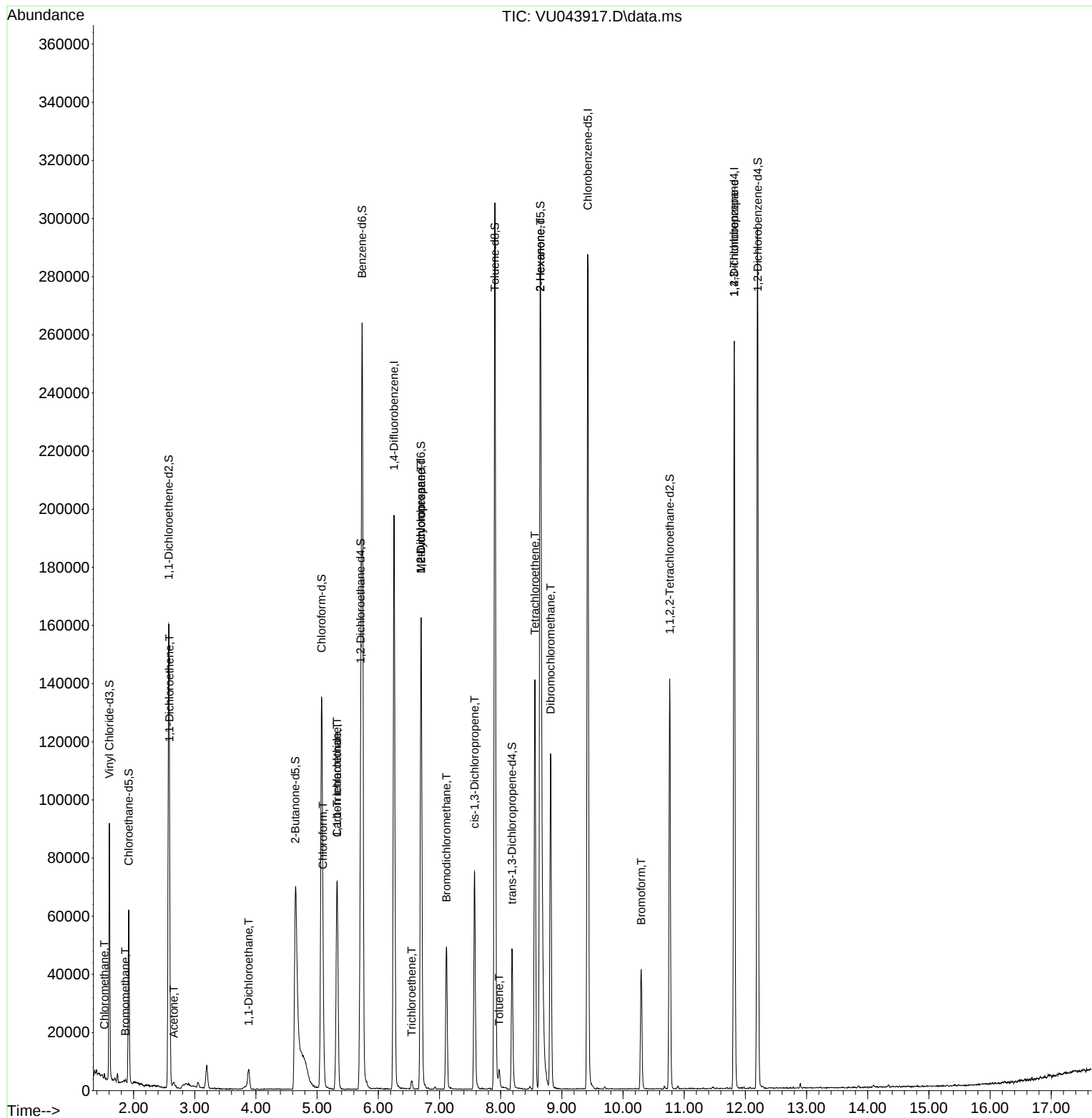
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

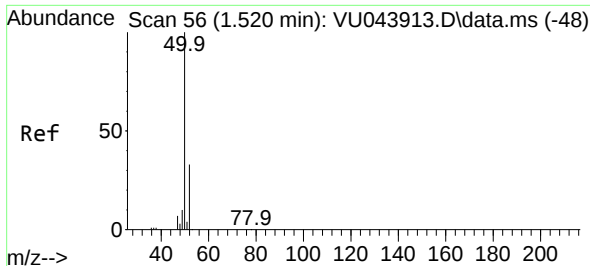
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
Data File : VU043917.D
Acq On : 24 May 2021 18:50
Operator : SY/MD
Sample : M2494-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GB413

Quant Time: May 25 04:13:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue May 25 04:12:21 2021
Response via : Initial Calibration

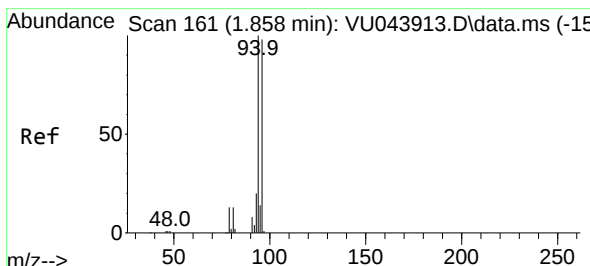
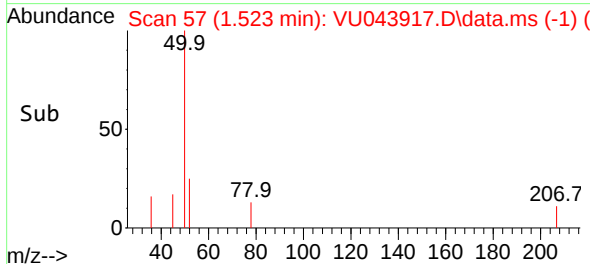
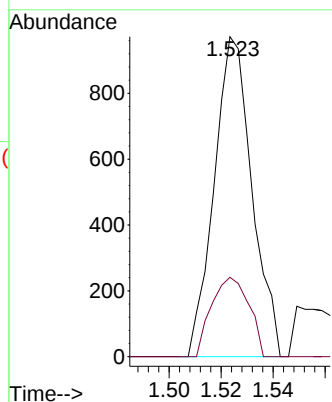
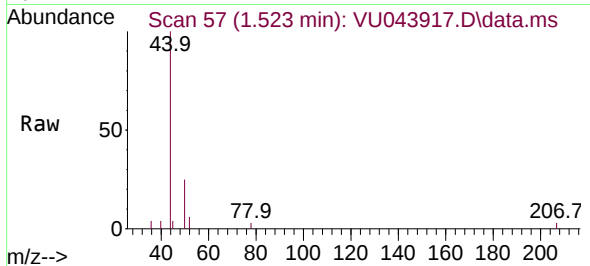




#3
Chloromethane
Concen: 0.08 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

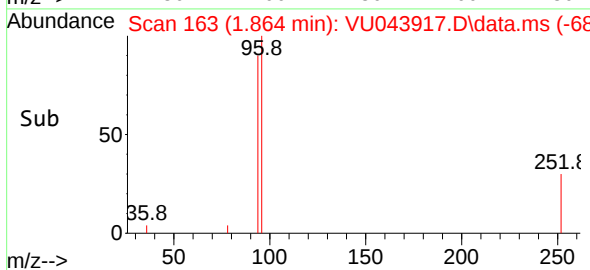
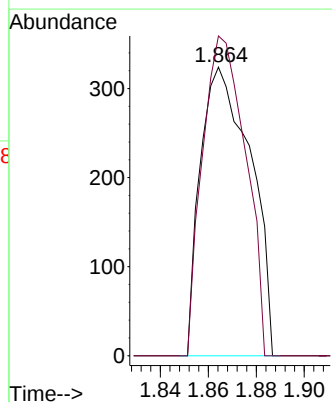
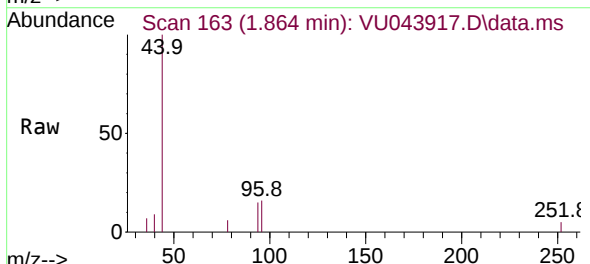
Instrument :
MSVOA_U
ClientSampleId :
GB413

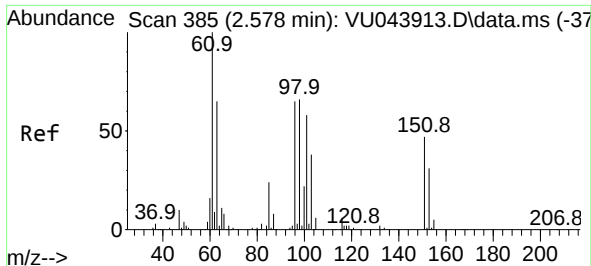
Tgt Ion: 50 Resp: 983
Ion Ratio Lower Upper
50 100
52 24.8 23.4 43.4



#6
Bromomethane
Concen: 0.07 ug/L
RT: 1.864 min Scan# 163
Delta R.T. 0.006 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 110.8 67.1 124.7

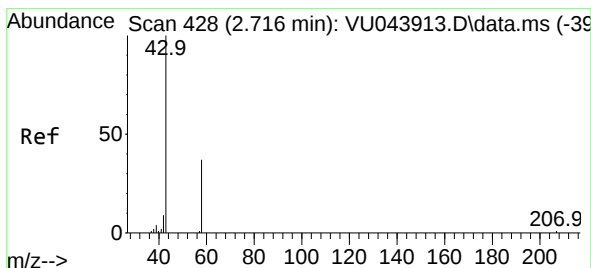
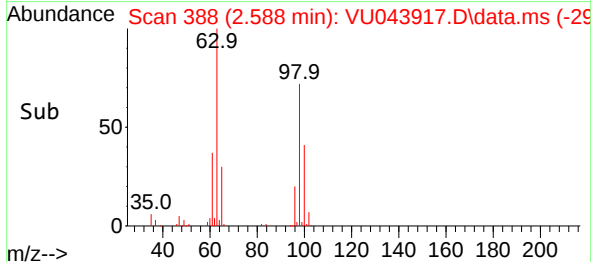
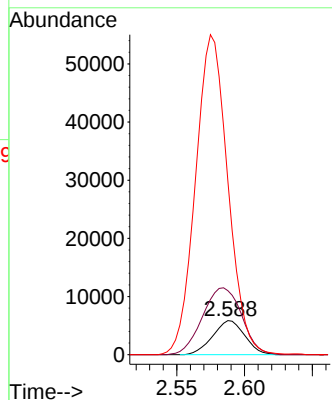
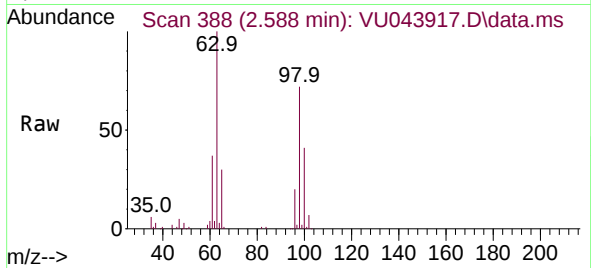




#12
1,1-Dichloroethene
Concen: 0.88 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

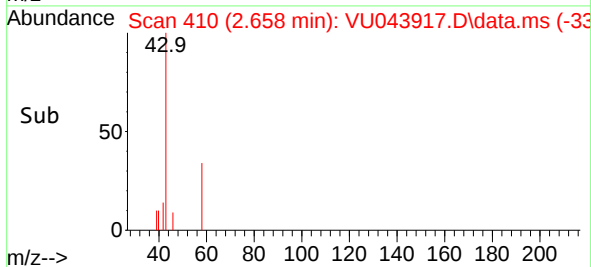
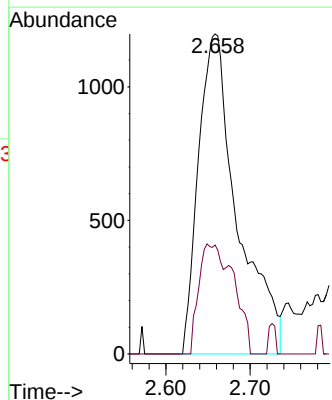
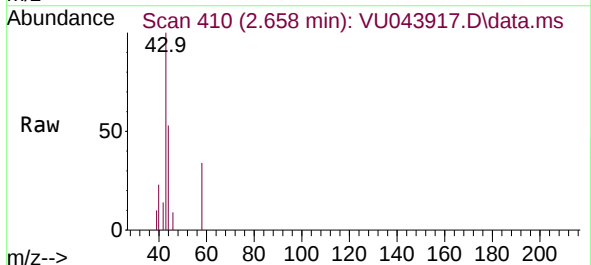
Instrument :
MSVOA_U
ClientSampled :
GB413

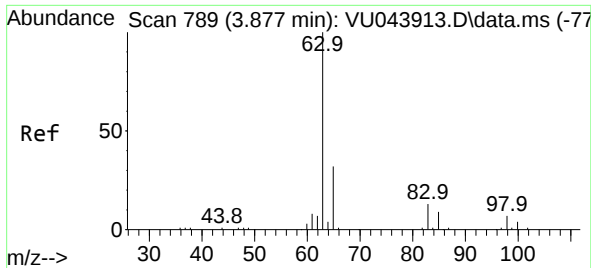
Tgt Ion: 96 Resp: 9624
Ion Ratio Lower Upper
96 100
61 187.5 105.1 195.3
63 508.9 66.6 123.6#



#13
Acetone
Concen: 2.44 ug/L
RT: 2.658 min Scan# 410
Delta R.T. -0.058 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Tgt Ion: 43 Resp: 3842
Ion Ratio Lower Upper
43 100
58 21.6 0.0 46.2





#19

1,1-Dichloroethane

Concen: 0.42 ug/L

RT: 3.880 min Scan# 790

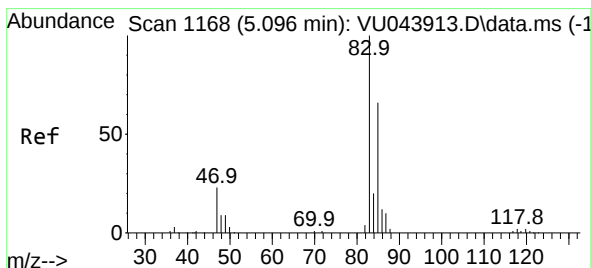
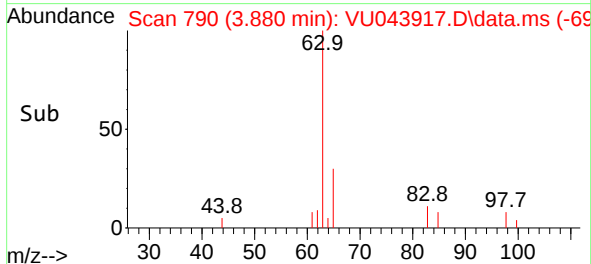
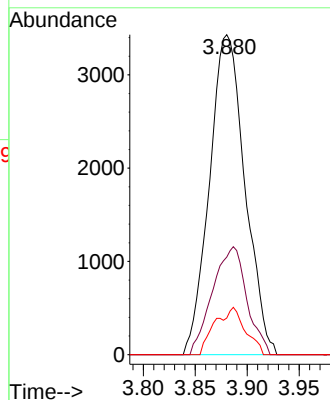
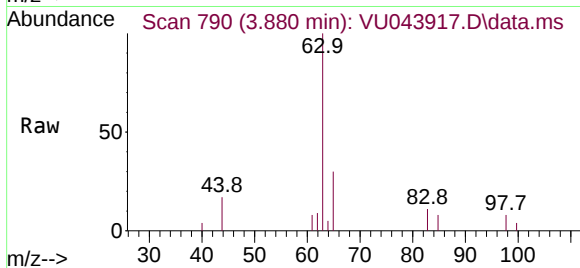
Delta R.T. 0.003 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

Tgt Ion:	63	Resp:	8161
Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.2	43.2
83	11.5	9.7	18.1

Instrument :
MSVOA_U
ClientSampleId :
GB413



#25

Chloroform

Concen: 0.75 ug/L

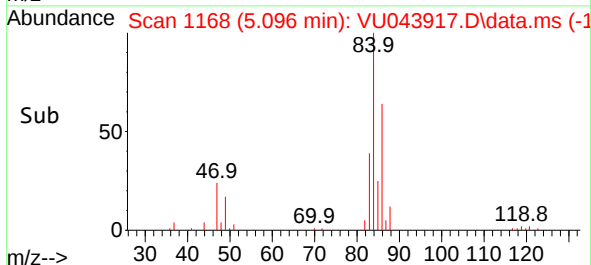
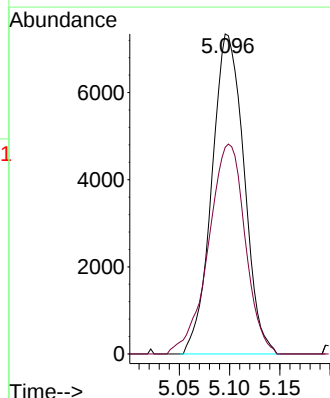
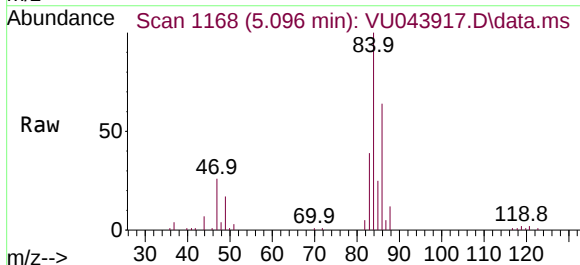
RT: 5.096 min Scan# 1168

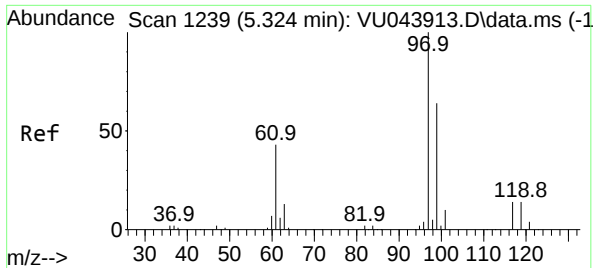
Delta R.T. 0.000 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

Tgt Ion:	83	Resp:	16358
Ion	Ratio	Lower	Upper
83	100		
85	64.5	44.7	82.9





#29

1,1,1-Trichloroethane

Concen: 2.91 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. 0.003 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

Tgt Ion: 97 Resp: 52762

Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

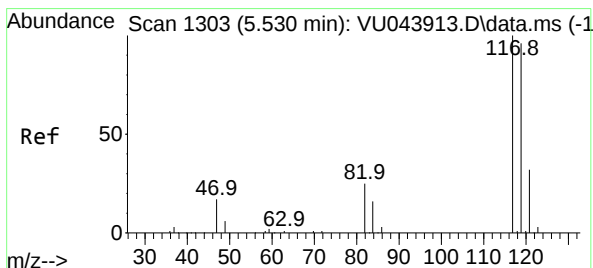
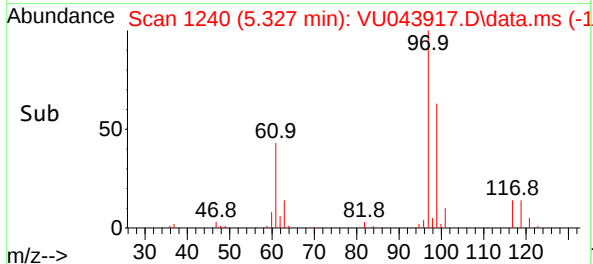
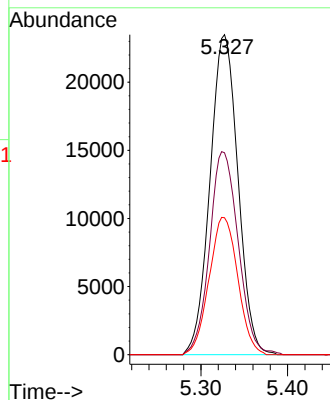
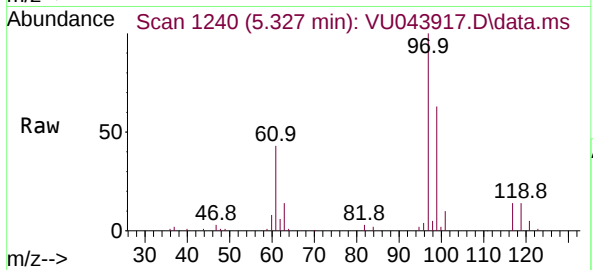
61 44.0 34.7 52.1

Instrument :

MSVOA_U

ClientSampleId :

GB413



#31

Carbon tetrachloride

Concen: 0.47 ug/L

RT: 5.327 min Scan# 1240

Delta R.T. -0.203 min

Lab File: VU043917.D

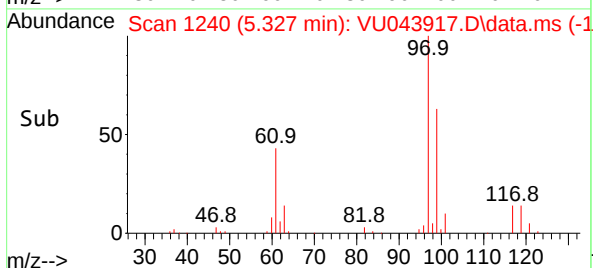
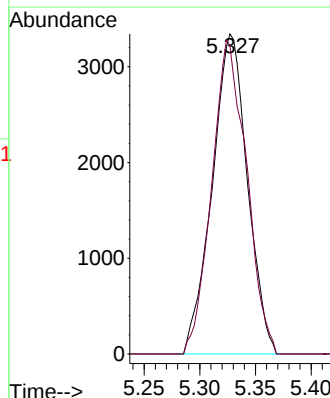
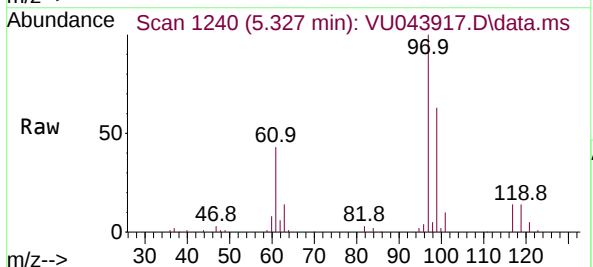
Acq: 24 May 2021 18:50

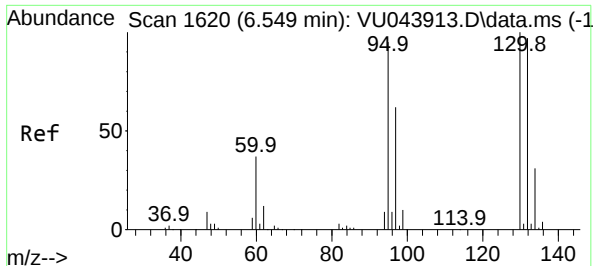
Tgt Ion: 117 Resp: 7335

Ion Ratio Lower Upper

117 100

119 97.3 77.4 116.0





#34

Trichloroethene

Concen: 0.07 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. -0.003 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

Tgt Ion: 95 Resp: 802

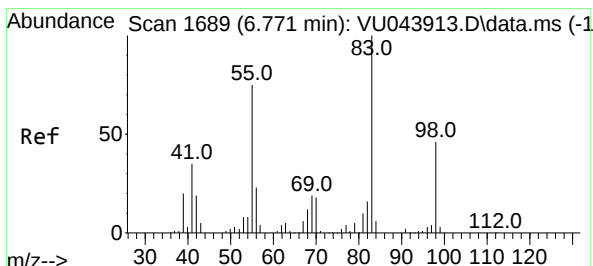
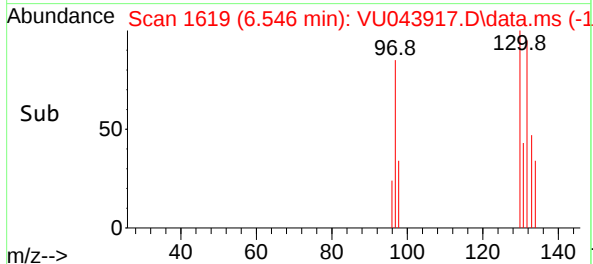
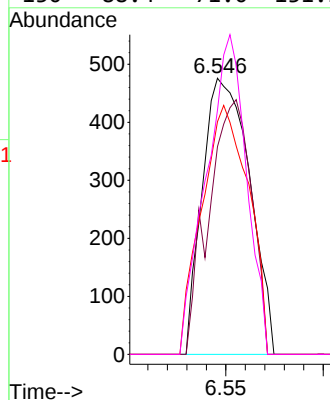
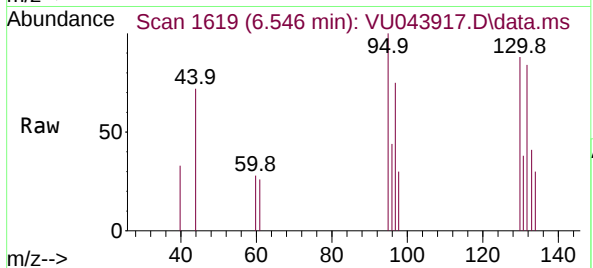
Ion Ratio Lower Upper

95 100

97 75.2 45.5 84.5

132 84.2 70.9 131.7

130 88.4 71.0 131.9



#35

Methylcyclohexane

Concen: 1.05 ug/L

RT: 6.700 min Scan# 1667

Delta R.T. -0.071 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

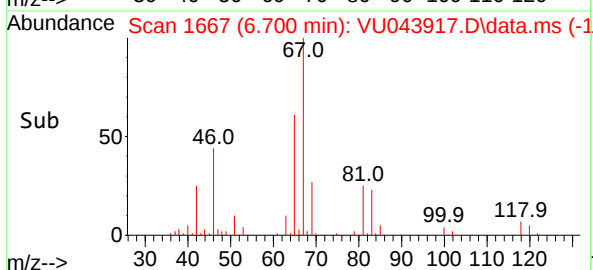
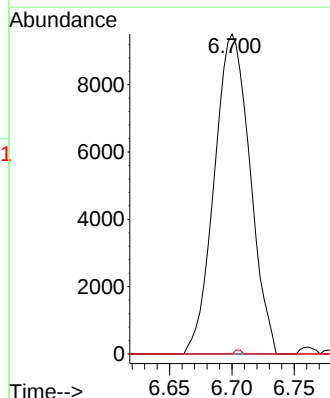
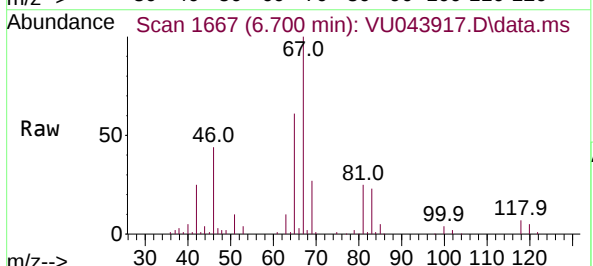
Tgt Ion: 83 Resp: 18929

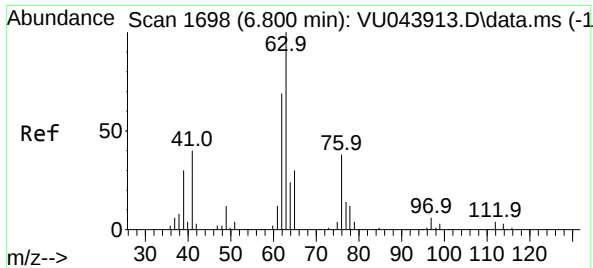
Ion Ratio Lower Upper

83 100

55 0.0 61.2 91.8#

98 0.2 37.0 55.4#



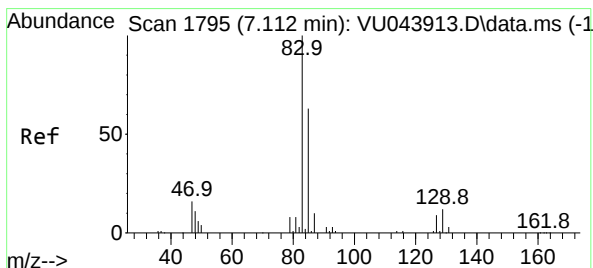
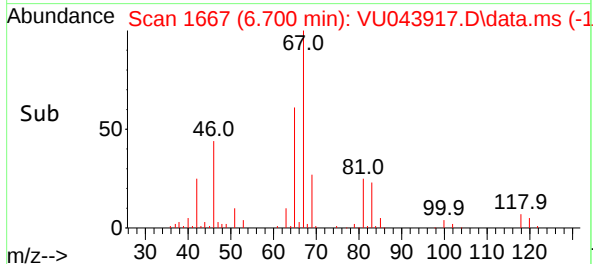
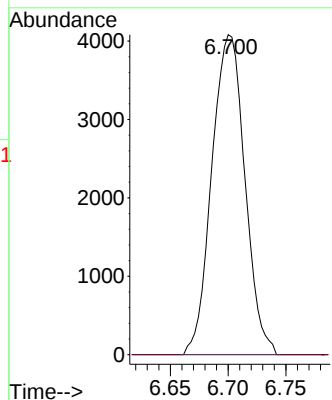
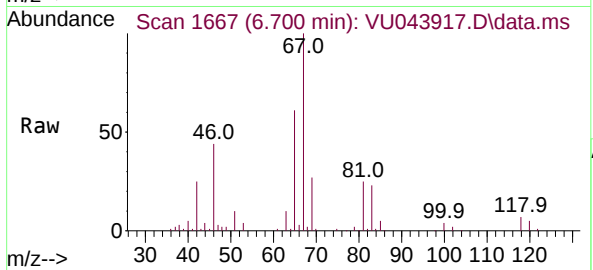


#37

1,2-Dichloropropane
Concen: 0.65 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.100 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Instrument :
MSVOA_U
ClientSampled :
GB413

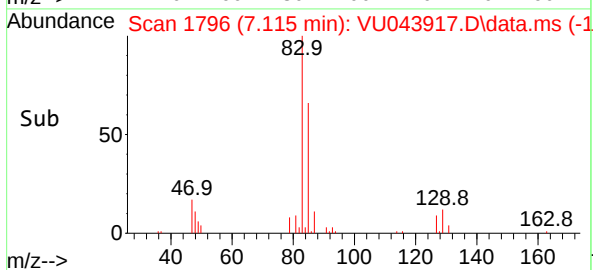
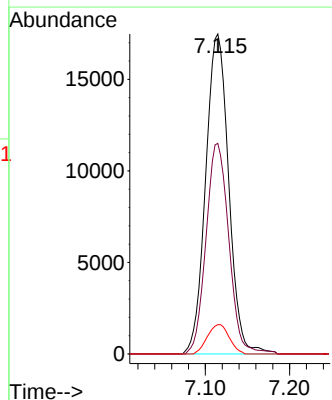
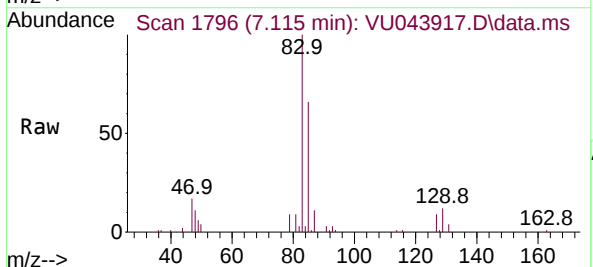
Tgt Ion: 63 Resp: 8133
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#

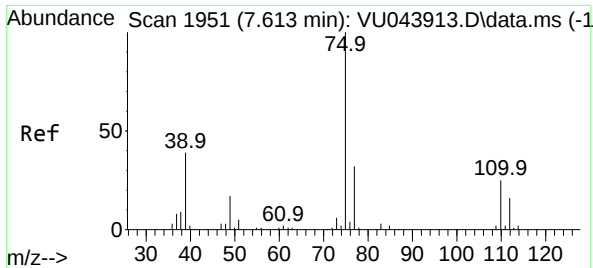


#38

Bromodichloromethane
Concen: 2.21 ug/L
RT: 7.115 min Scan# 1796
Delta R.T. 0.003 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Tgt Ion: 83 Resp: 33267
Ion Ratio Lower Upper
83 100
85 65.8 45.0 83.6
127 9.2 7.2 10.8

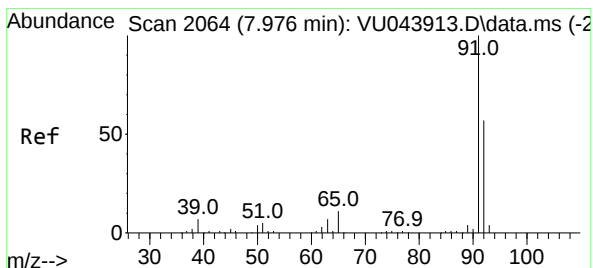
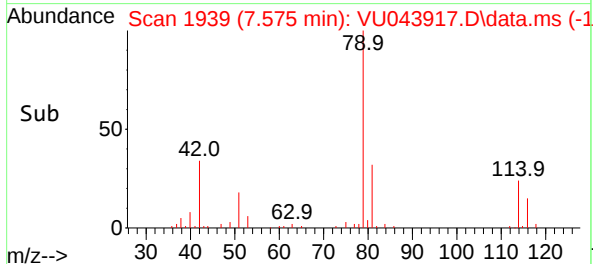
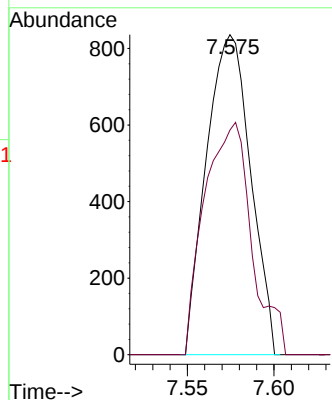
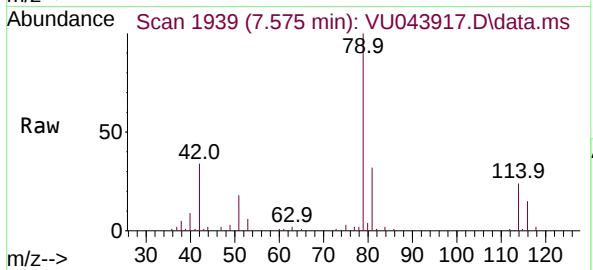




#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.575 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

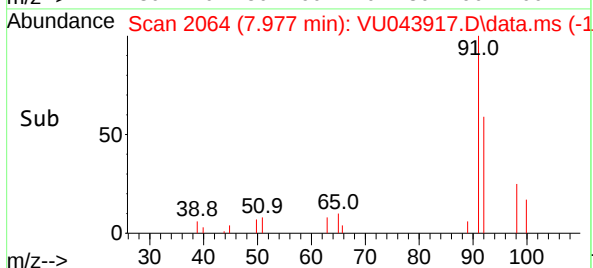
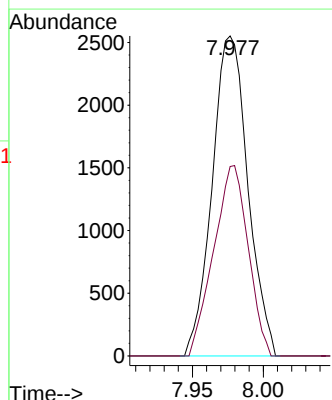
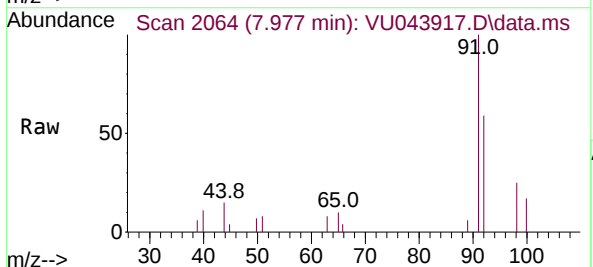
Instrument :
MSVOA_U
ClientSampled :
GB413

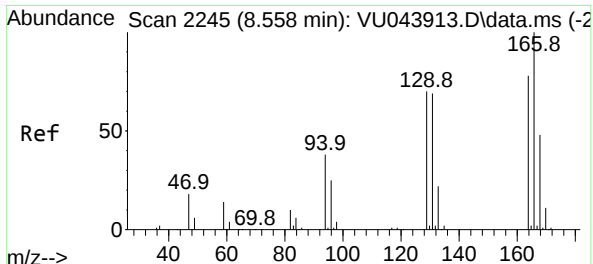
Tgt Ion: 75 Resp: 1485
Ion Ratio Lower Upper
75 100
77 70.2 22.3 41.3#



#42
Toluene
Concen: 0.09 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Tgt Ion: 91 Resp: 4474
Ion Ratio Lower Upper
91 100
92 59.2 40.5 75.1



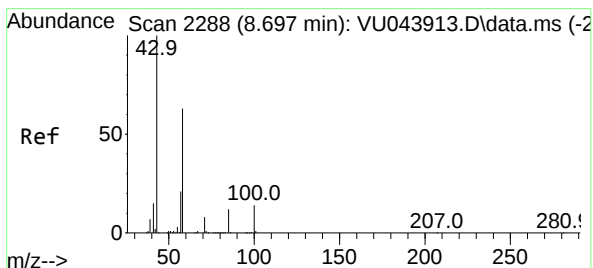
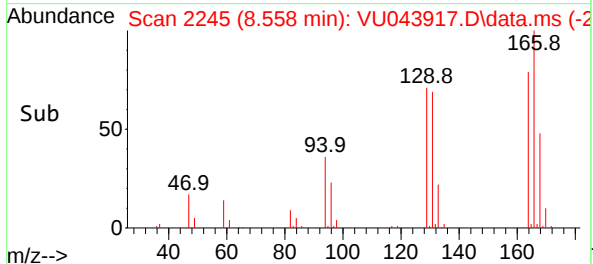
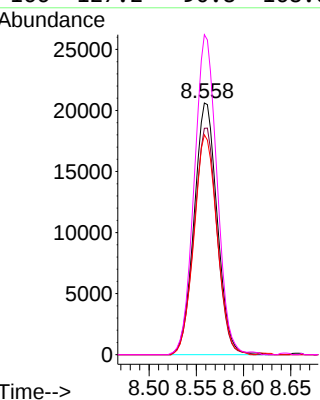
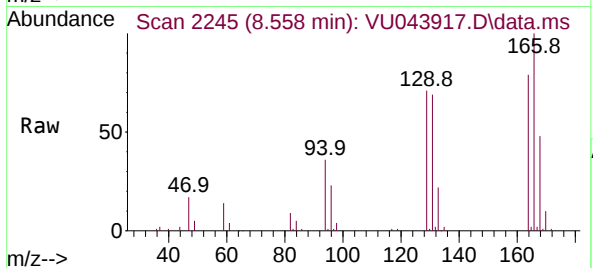


#47
Tetrachloroethene
Concen: 3.30 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.000 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Instrument :
MSVOA_U
ClientSampleId :
GB413

Tgt Ion:164 Resp: 35074

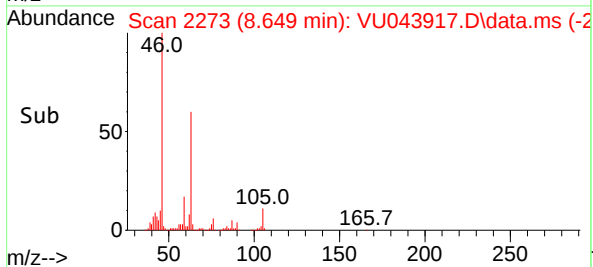
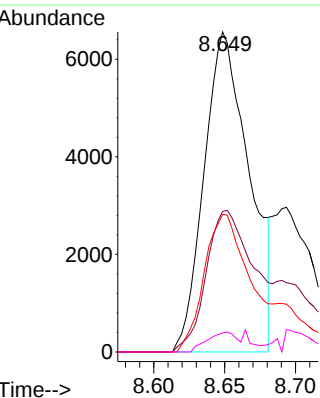
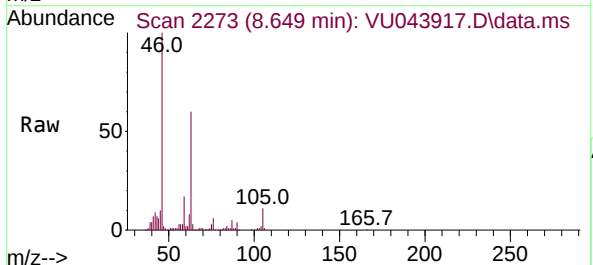
Ion	Ratio	Lower	Upper
164	100		
129	90.0	64.1	119.1
131	87.3	64.5	119.9
166	127.2	90.8	168.6

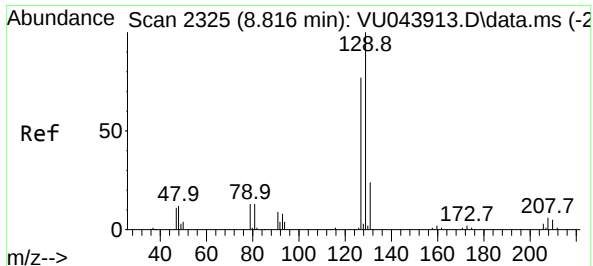


#48
2-Hexanone
Concen: 2.76 ug/L
RT: 8.649 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU043917.D
Acq: 24 May 2021 18:50

Tgt Ion: 43 Resp: 14530

Ion	Ratio	Lower	Upper
43	100		
58	47.7	49.4	74.0#
57	43.5	16.8	25.2#
100	4.1	10.6	15.8#





#49

Dibromochloromethane

Concen: 5.74 ug/L

RT: 8.819 min Scan# 2326

Delta R.T. 0.003 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

Tgt Ion:129 Resp: 63814

Ion Ratio Lower Upper

129 100

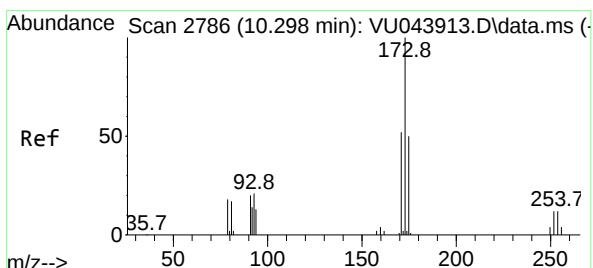
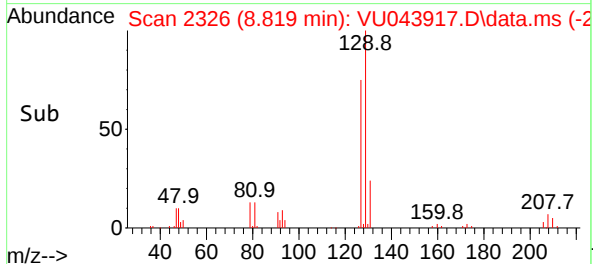
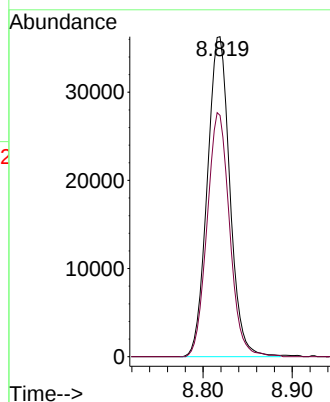
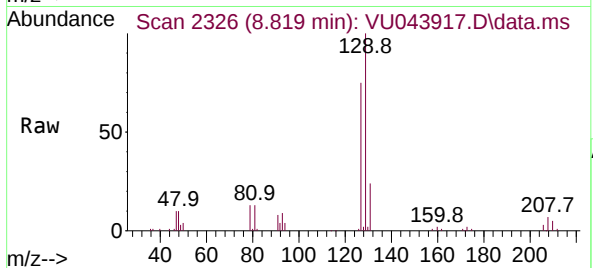
127 75.4 54.1 100.5

Instrument :

MSVOA_U

ClientSampleId :

GB413



#59

Bromoform

Concen: 3.74 ug/L

RT: 10.298 min Scan# 2786

Delta R.T. 0.000 min

Lab File: VU043917.D

Acq: 24 May 2021 18:50

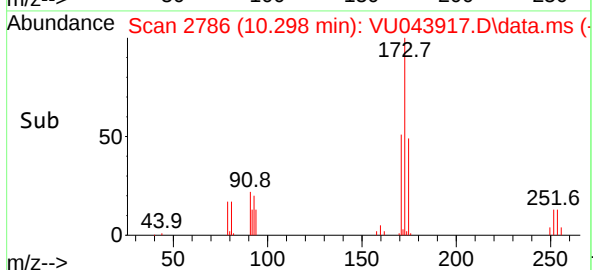
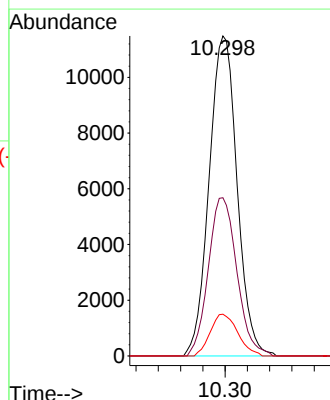
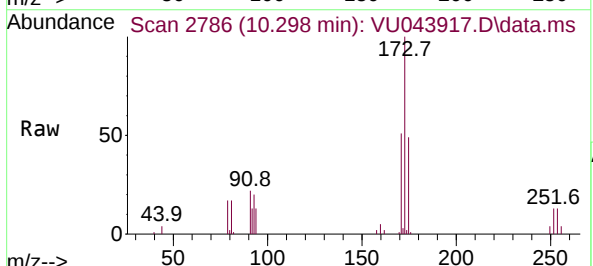
Tgt Ion:173 Resp: 20025

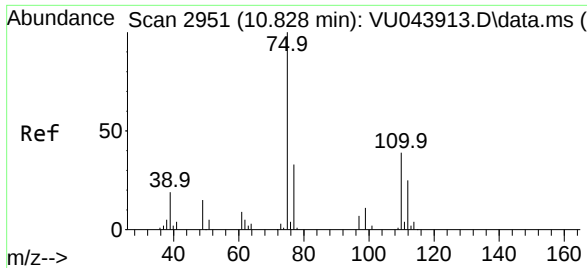
Ion Ratio Lower Upper

173 100

175 50.5 38.8 58.2

254 12.9 9.3 13.9





#61
 1,2,3-Trichloropropane
 Concen: 1.18 ug/L
 RT: 11.819 min Scan# 3259
 Delta R.T. 0.990 min
 Lab File: VU043917.D
 Acq: 24 May 2021 18:50

Instrument :
 MSVOA_U
 ClientSampleId :
 GB413

Tgt Ion:	75	Resp:	8101
Ion	Ratio	Lower	Upper
75	100		
110	1.6	29.3	43.9#
77	28.7	26.3	39.5

