

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043925.D
 Acq On : 24 May 2021 22:01
 Operator : SY/MD
 Sample : M2494-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB424

Quant Time: May 25 04:14:33 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	6.259	114	164636	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	175385	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	75006	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60057	6.56	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 131.20%#			
7) Chloroethane-d5	1.922	69	43315	6.55	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 131.00%#			
11) 1,1-Dichloroethene-d2	2.575	65	28241	6.33	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 126.60%#			
20) 2-Butanone-d5	4.649	46	137609	47.36	ug/L	-0.03
Spiked Amount 50.000	Range 40 - 130		Recovery = 94.72%			
24) Chloroform-d	5.073	84	125170	5.92	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 118.40%			
26) 1,2-Dichloroethane-d4	5.713	65	65468	6.05	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 121.00%			
32) Benzene-d6	5.735	84	253774	5.70	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 114.00%			
36) 1,2-Dichloropropane-d6	6.700	67	80308	5.66	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 113.20%			
41) Toluene-d8	7.906	98	212769	5.19	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.80%			
43) trans-1,3-Dichloroprop...	8.185	79	28261	5.22	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 104.40%			
46) 2-Hexanone-d5	8.648	63	133924	56.49	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.98%			
56) 1,1,2,2-Tetrachloroeth...	10.764	84	73153	5.61	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 112.20%			
66) 1,2-Dichlorobenzene-d4	12.201	152	85625	6.28	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 125.60%#			
Target Compounds						Qvalue
3) Chloromethane	1.523	50	1220	0.10	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	1449	0.13	ug/L #	17
12) 1,1-Dichloroethene	2.587	96	264699	24.89	ug/L	89
19) 1,1-Dichloroethane	3.880	63	117065	6.17	ug/L	96
22) cis-1,2-Dichloroethene	4.681	96	3887	0.33	ug/L	94
25) Chloroform	5.095	83	3155	0.15	ug/L	88
27) 1,2-Dichloroethane	5.806	62	6318	0.51	ug/L	95
29) 1,1,1-Trichloroethane	5.327	97	94200	5.19	ug/L	99
31) Carbon tetrachloride	5.324	117	13235	0.85	ug/L	99
34) Trichloroethene	6.552	95	5101	0.41	ug/L	96
35) Methylcyclohexane	6.700	83	18932	1.05	ug/L #	19
37) 1,2-Dichloropropane	6.700	63	8263	0.66	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1602	0.10	ug/L #	57
42) Toluene	7.976	91	3886	0.08	ug/L	90
47) Tetrachloroethene	8.558	164	197381	18.56	ug/L	98
48) 2-Hexanone	8.648	43	20851	3.95	ug/L #	66
49) Dibromochloromethane	8.558	129	175373	15.75	ug/L #	11
61) 1,2,3-Trichloropropane	11.819	75	7228	1.05	ug/L #	68

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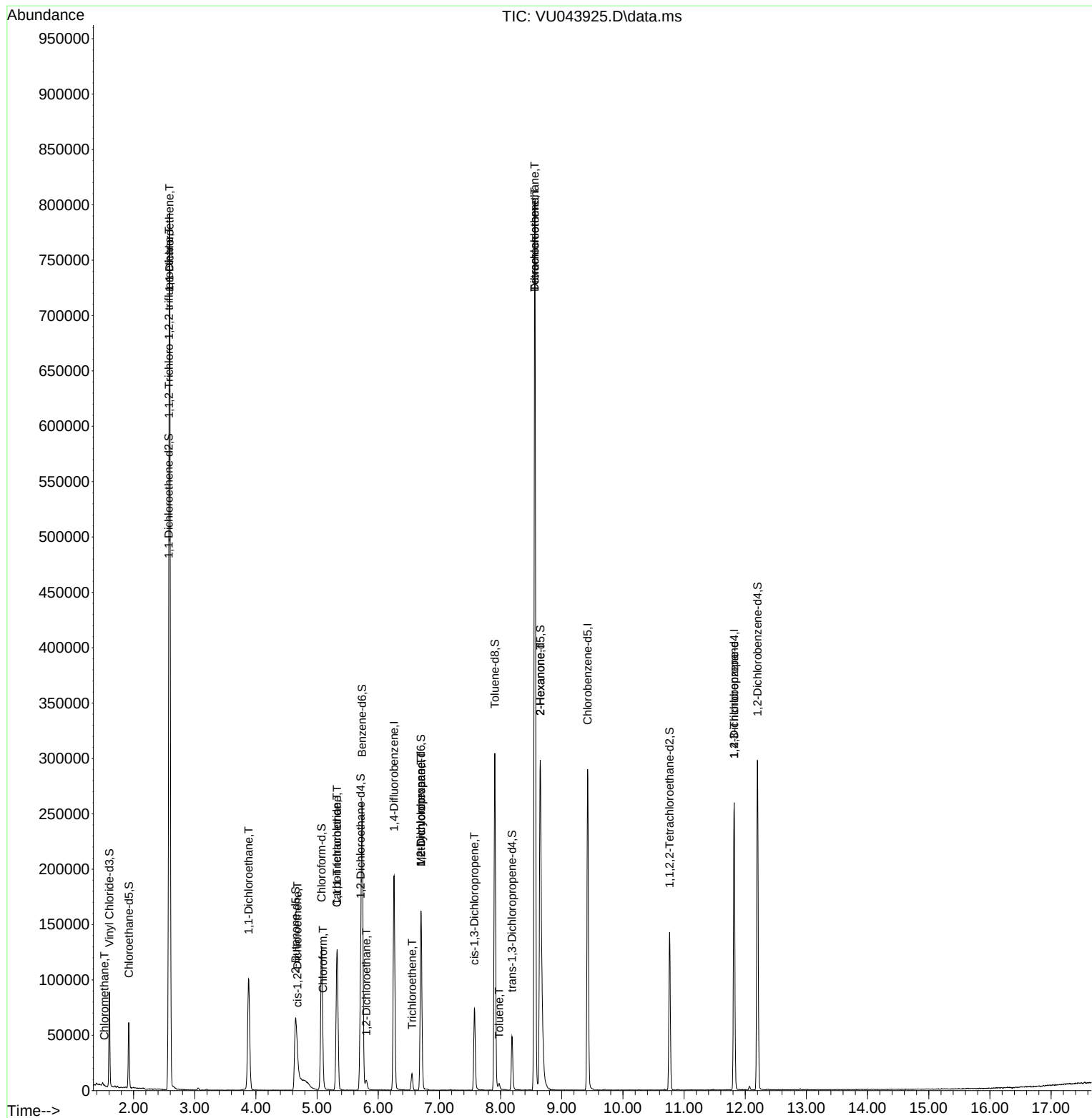
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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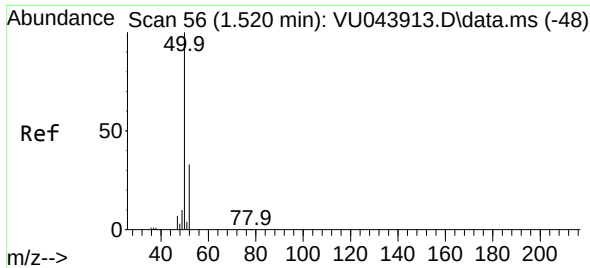
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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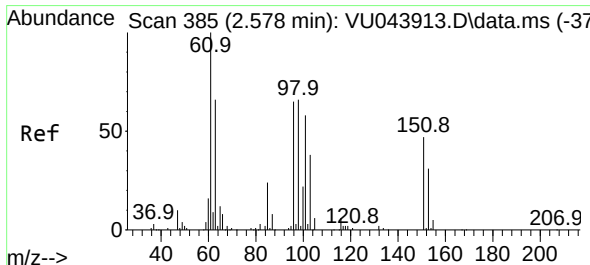
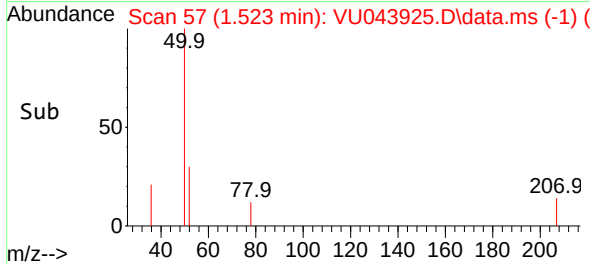
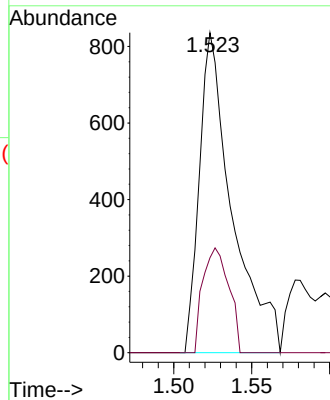
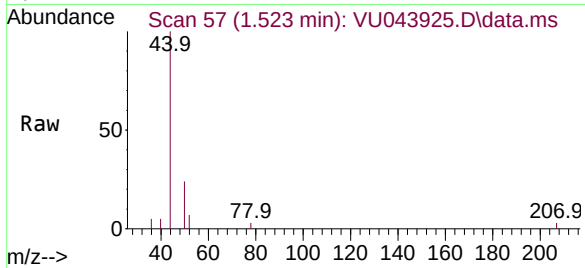




#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

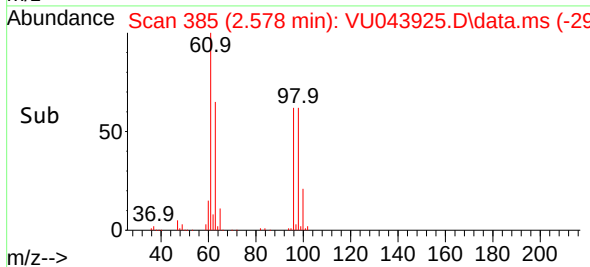
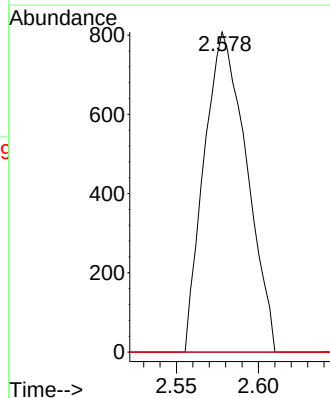
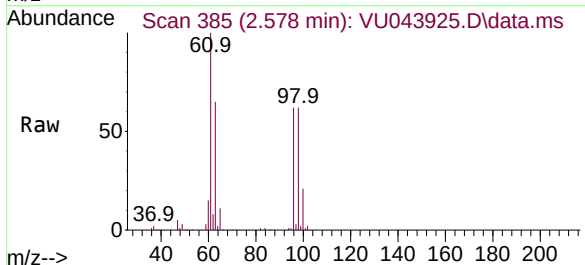
Instrument :
MSVOA_U
ClientSampleId :
GB424

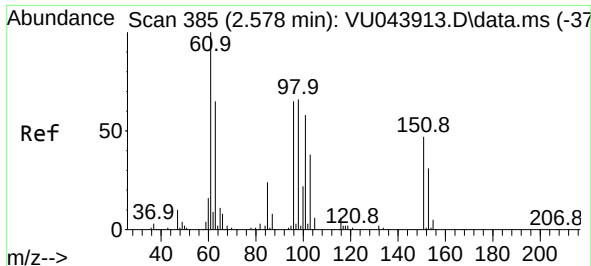
Tgt Ion: 50 Resp: 1220
Ion Ratio Lower Upper
50 100
52 29.7 23.4 43.4



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.13 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.000 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Tgt Ion: 101 Resp: 1449
Ion Ratio Lower Upper
101 100
85 0.0 32.5 48.7#
151 0.0 64.9 97.3#

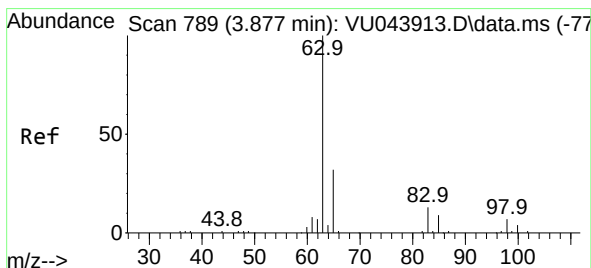
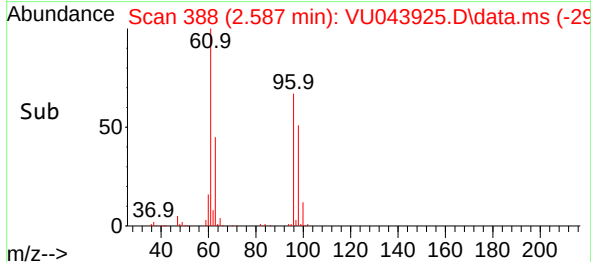
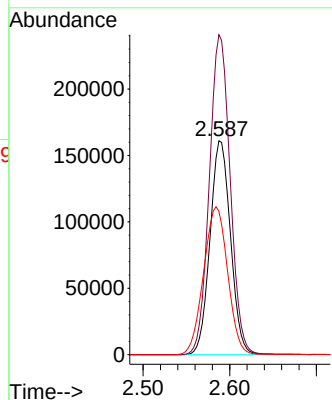
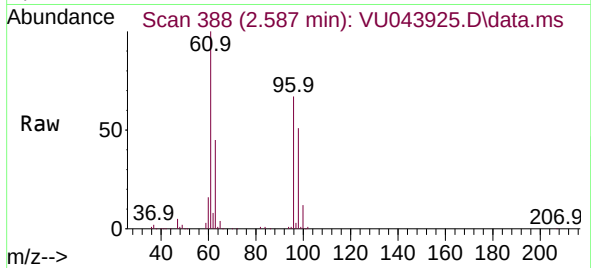




#12
1,1-Dichloroethene
Concen: 24.89 ug/L
RT: 2.587 min Scan# 388
Delta R.T. 0.010 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

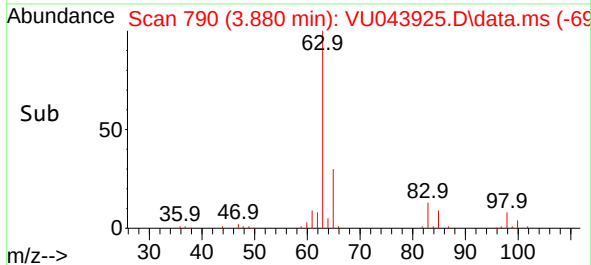
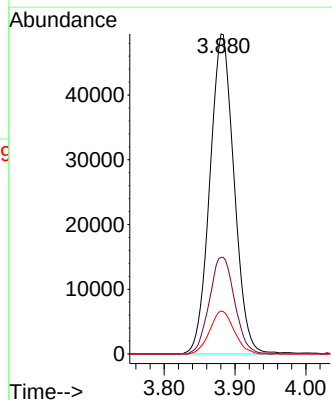
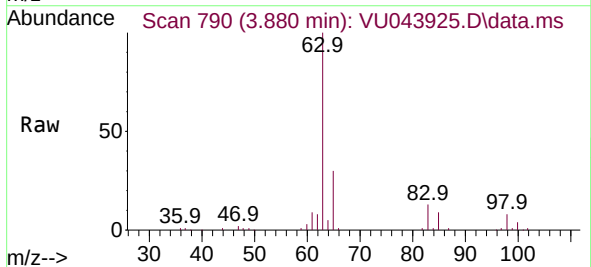
Instrument :
MSVOA_U
ClientSampleId :
GB424

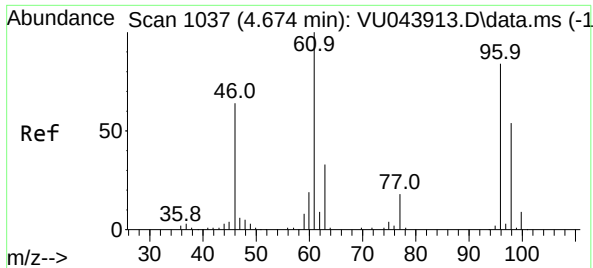
Tgt Ion: 96 Resp: 264699
Ion Ratio Lower Upper
96 100
61 149.6 105.1 195.3
63 67.0 66.6 123.6



#19
1,1-Dichloroethane
Concen: 6.17 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.003 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Tgt Ion: 63 Resp: 117065
Ion Ratio Lower Upper
63 100
65 30.2 23.2 43.2
83 13.4 9.7 18.1





#22

cis-1,2-Dichloroethene

Concen: 0.33 ug/L

RT: 4.681 min Scan# 1039

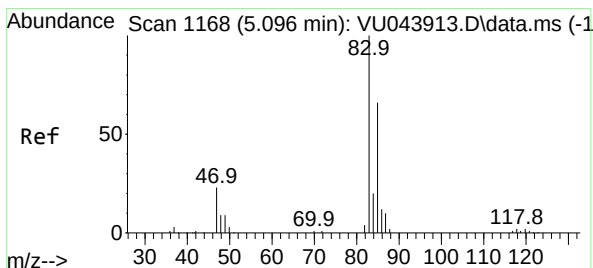
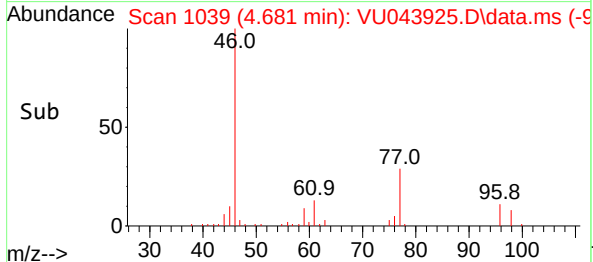
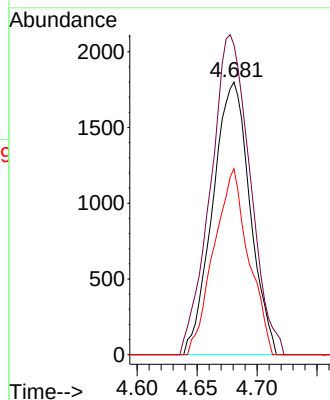
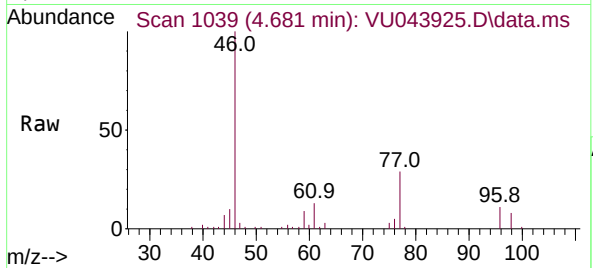
Delta R.T. 0.006 min

Lab File: VU043925.D

Acq: 24 May 2021 22:01

Tgt Ion: 96 Resp: 3887

Ion	Ratio	Lower	Upper
96	100		
61	113.7	82.9	153.9
98	68.2	43.3	80.5



#25

Chloroform

Concen: 0.15 ug/L

RT: 5.095 min Scan# 1168

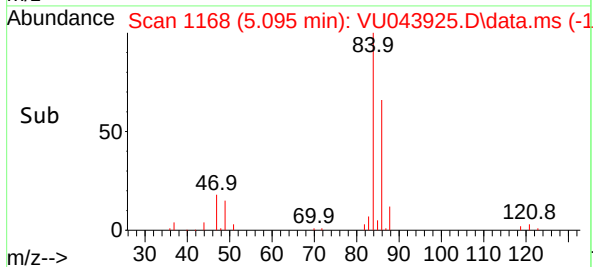
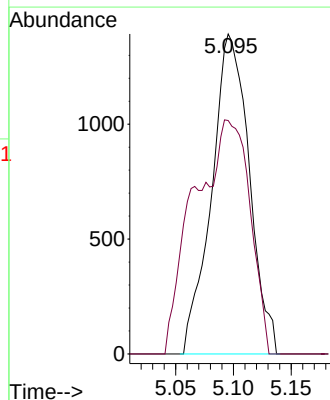
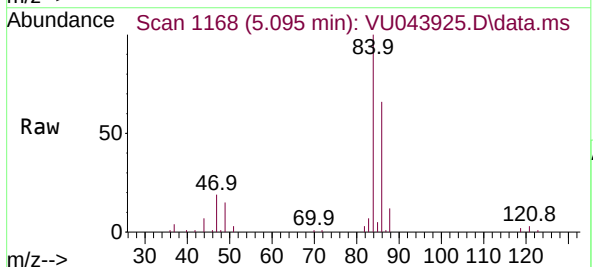
Delta R.T. -0.000 min

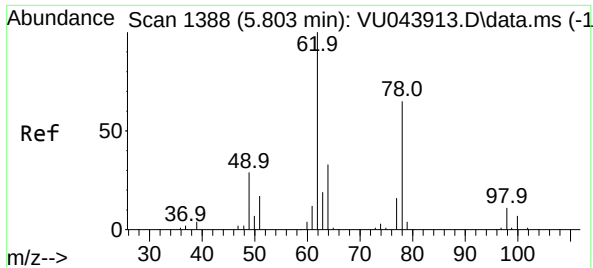
Lab File: VU043925.D

Acq: 24 May 2021 22:01

Tgt Ion: 83 Resp: 3155

Ion	Ratio	Lower	Upper
83	100		
85	72.9	44.7	82.9

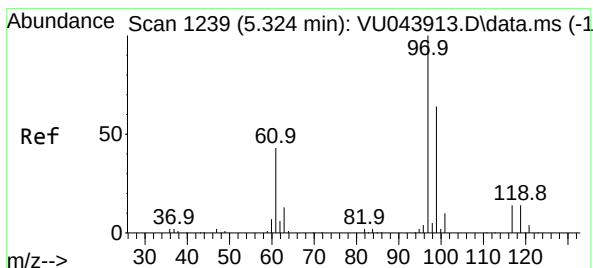
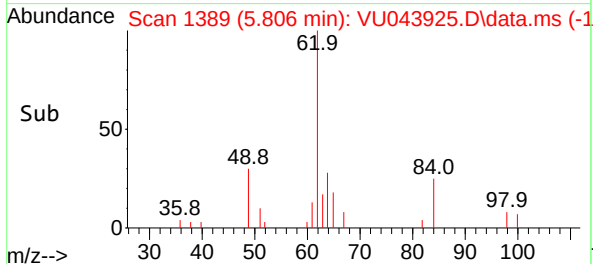
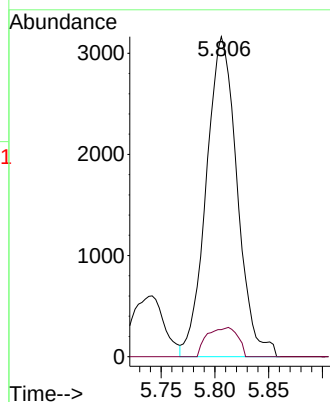
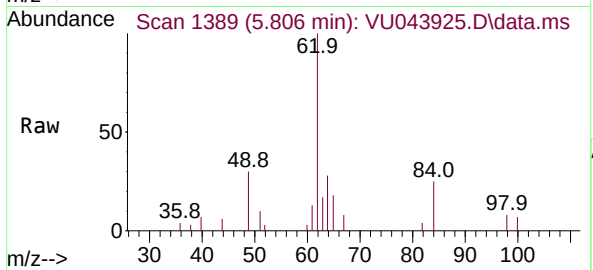




#27
1,2-Dichloroethane
Concen: 0.51 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

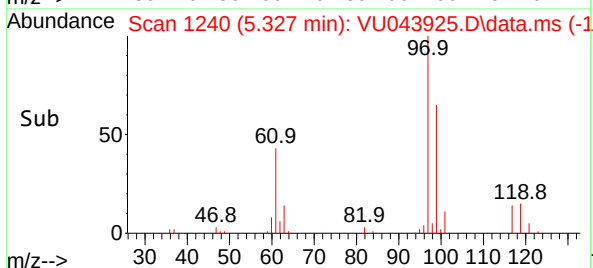
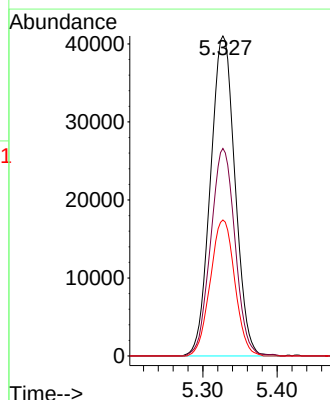
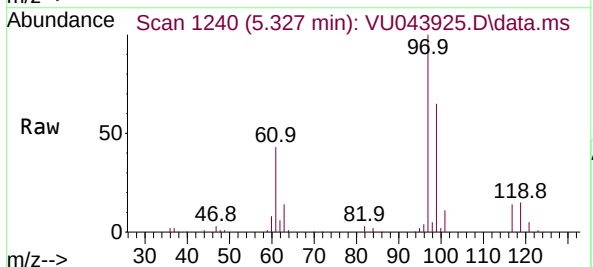
Instrument :
MSVOA_U
ClientSampled :
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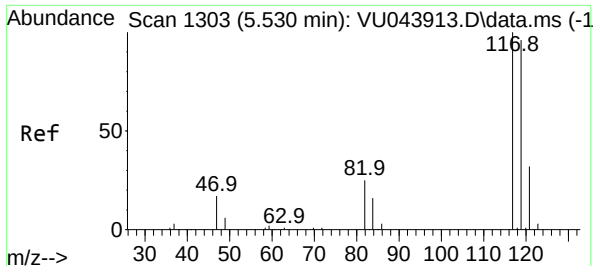
Tgt Ion: 62 Resp: 6318
Ion Ratio Lower Upper
62 100
98 8.4 8.3 12.5



#29
1,1,1-Trichloroethane
Concen: 5.19 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Tgt Ion: 97 Resp: 94200
Ion Ratio Lower Upper
97 100
99 64.5 51.9 77.9
61 42.4 34.7 52.1

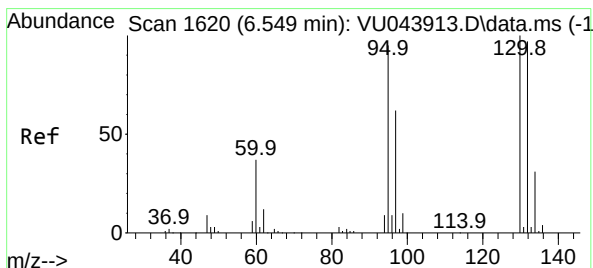
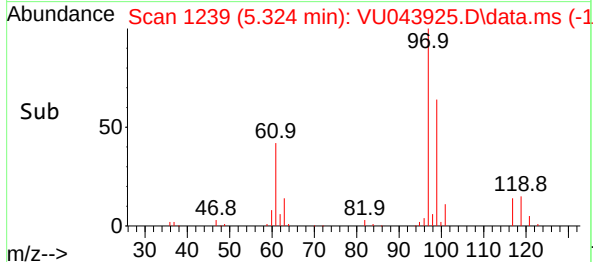
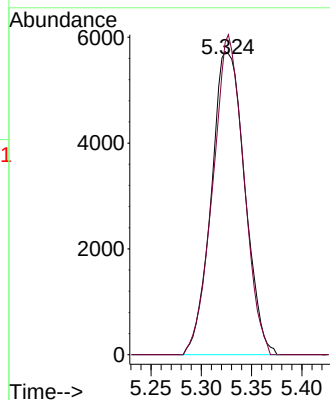
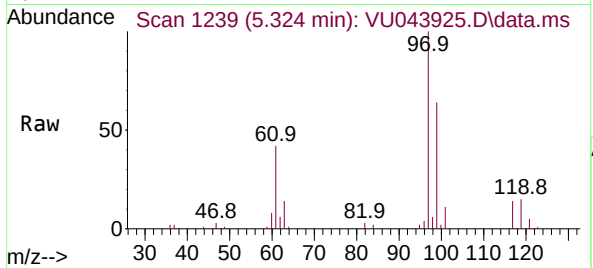




#31
Carbon tetrachloride
Concen: 0.85 ug/L
RT: 5.324 min Scan# 1239
Delta R.T. -0.206 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

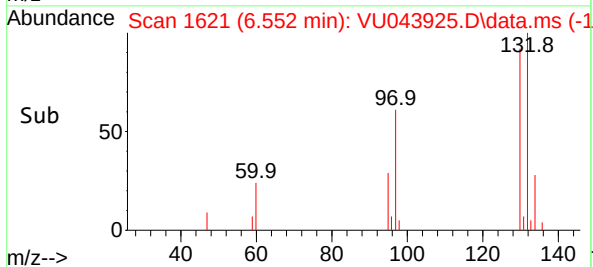
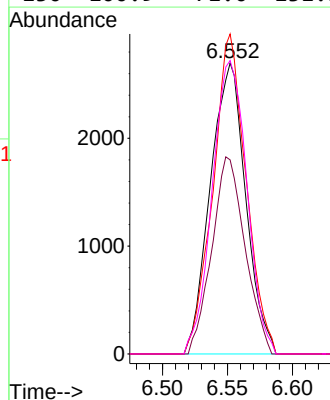
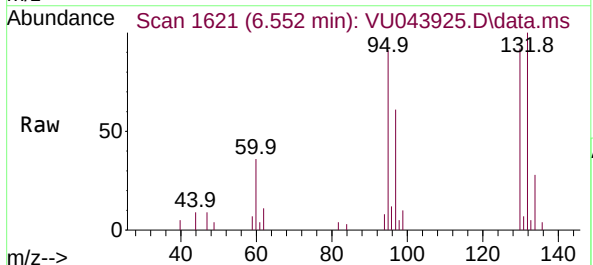
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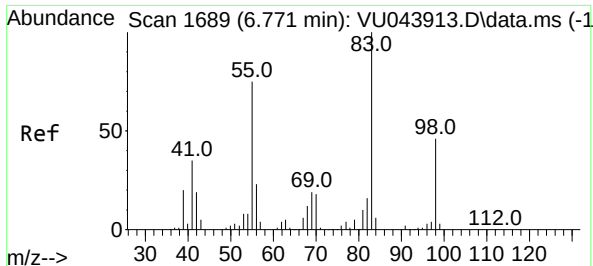
Tgt Ion:117 Resp: 13235
Ion Ratio Lower Upper
117 100
119 97.8 77.4 116.0



#34
Trichloroethene
Concen: 0.41 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.003 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Tgt Ion: 95 Resp: 5101
Ion Ratio Lower Upper
95 100
97 66.7 45.5 84.5
132 110.0 70.9 131.7
130 100.9 71.0 131.9





#35

Methylcyclohexane

Concen: 1.05 ug/L

RT: 6.700 min Scan# 1667

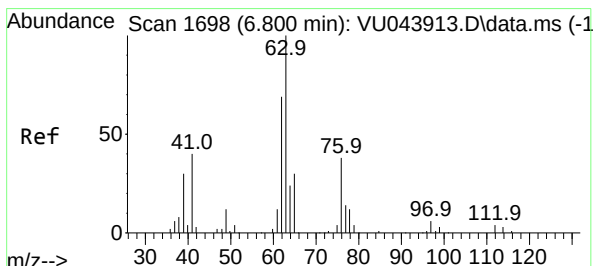
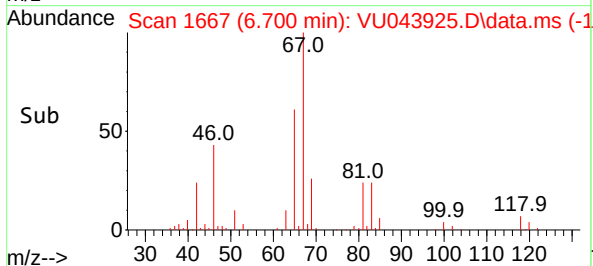
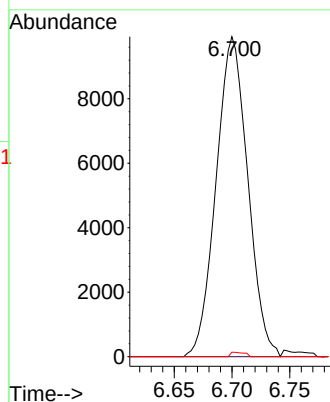
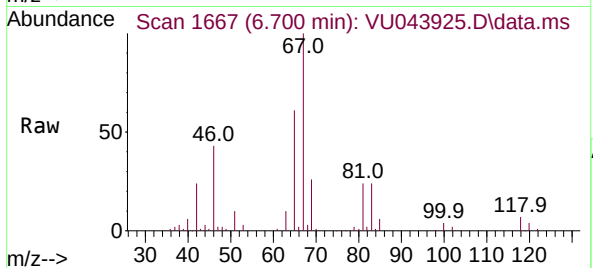
Delta R.T. -0.071 min

Lab File: VU043925.D

Acq: 24 May 2021 22:01

Tgt Ion:	83	Resp:	18932
Ion Ratio	Lower	Upper	
83	100		
55	0.0	61.2	91.8#
98	0.6	37.0	55.4#

Instrument :
MSVOA_U
ClientSampled :
GB424



#37

1,2-Dichloropropane

Concen: 0.66 ug/L

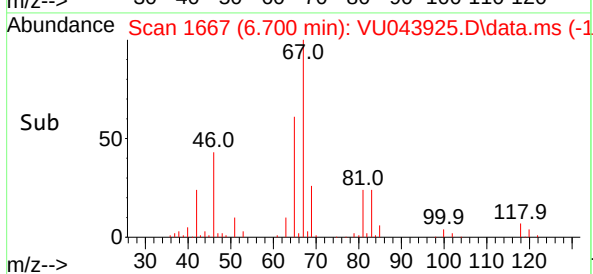
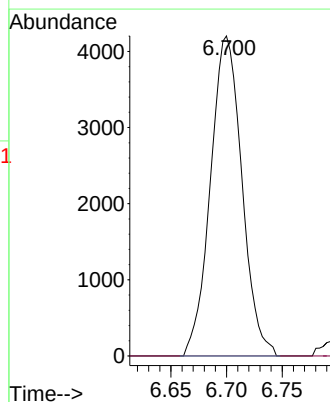
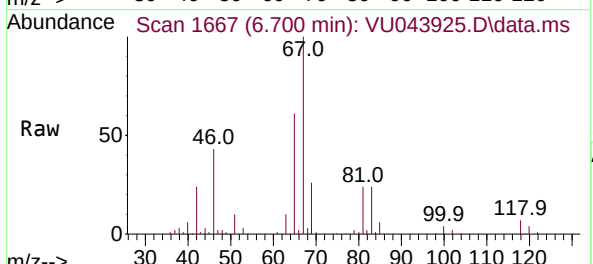
RT: 6.700 min Scan# 1667

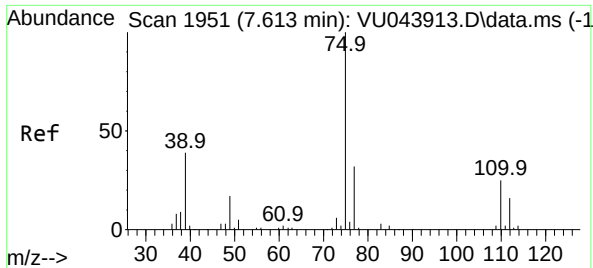
Delta R.T. -0.100 min

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Acq: 24 May 2021 22:01

Tgt Ion:	63	Resp:	8263
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.7	5.5#

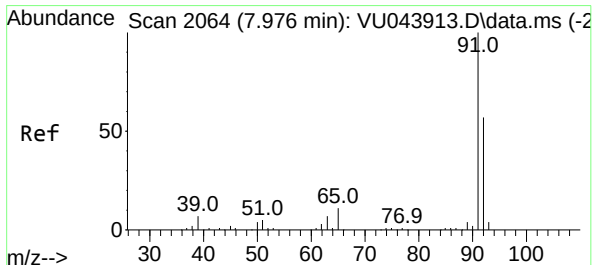
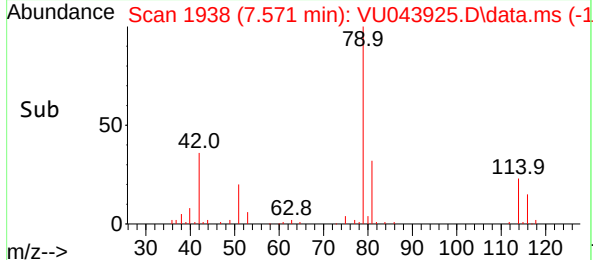
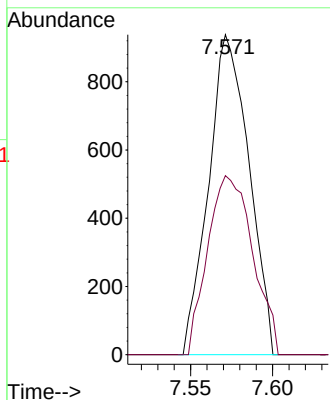
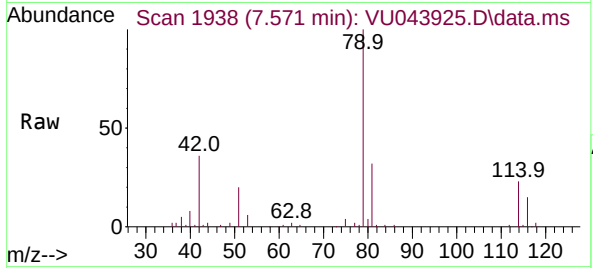




#39
 cis-1,3-Dichloropropene
 Concen: 0.10 ug/L
 RT: 7.571 min Scan# 1938
 Delta R.T. -0.042 min
 Lab File: VU043925.D
 Acq: 24 May 2021 22:01

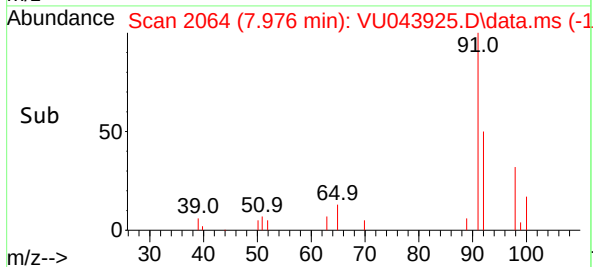
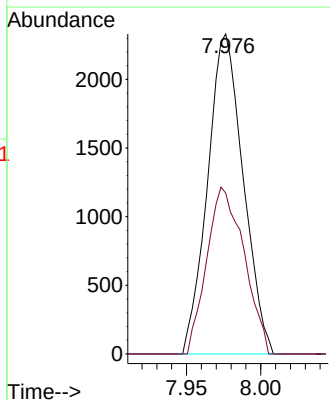
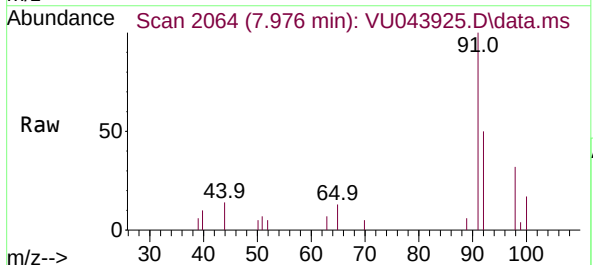
Instrument :
 MSVOA_U
 ClientSampled :
 GB424

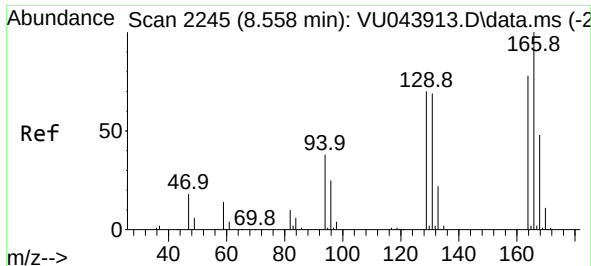
Tgt Ion: 75 Resp: 1602
 Ion Ratio Lower Upper
 75 100
 77 56.0 22.3 41.3#



#42
 Toluene
 Concen: 0.08 ug/L
 RT: 7.976 min Scan# 2064
 Delta R.T. -0.000 min
 Lab File: VU043925.D
 Acq: 24 May 2021 22:01

Tgt Ion: 91 Resp: 3886
 Ion Ratio Lower Upper
 91 100
 92 50.3 40.5 75.1



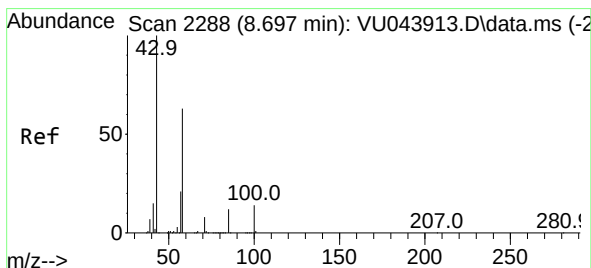
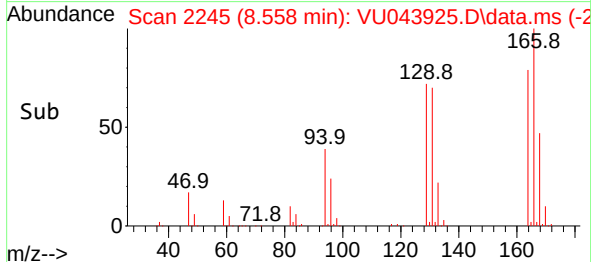
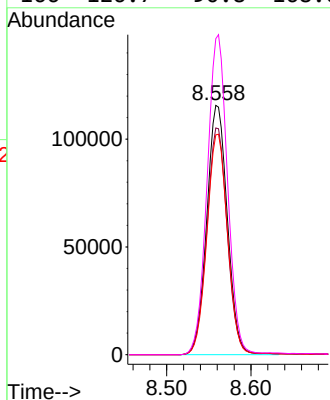
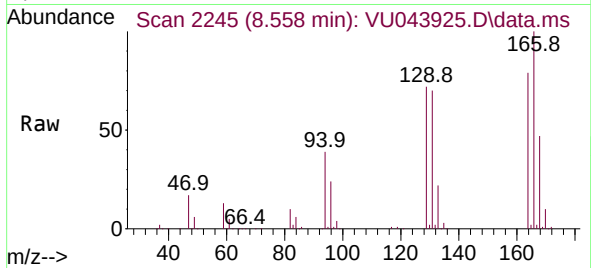


#47
Tetrachloroethene
Concen: 18.56 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Instrument :
MSVOA_U
ClientSampleId :
GB424

Tgt Ion:164 Resp: 197381

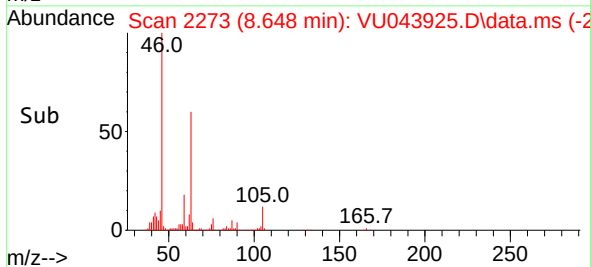
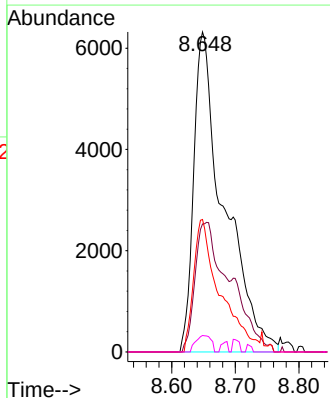
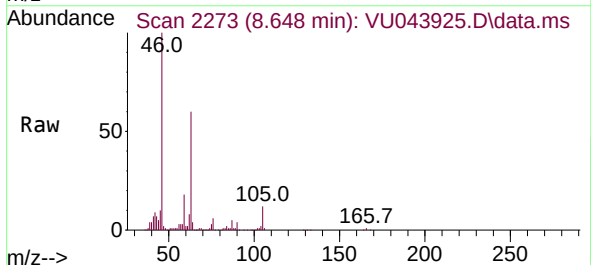
Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.1	119.1
131	88.2	64.5	119.9
166	126.7	90.8	168.6

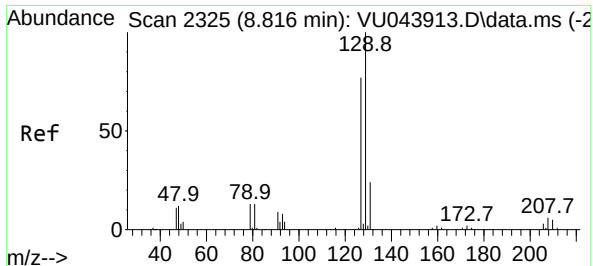


#48
2-Hexanone
Concen: 3.95 ug/L
RT: 8.648 min Scan# 2273
Delta R.T. -0.048 min
Lab File: VU043925.D
Acq: 24 May 2021 22:01

Tgt Ion: 43 Resp: 20851

Ion	Ratio	Lower	Upper
43	100		
58	34.2	49.4	74.0#
57	36.1	16.8	25.2#
100	2.6	10.6	15.8#





#49

Dibromochloromethane

Concen: 15.75 ug/L

RT: 8.558 min Scan# 2245

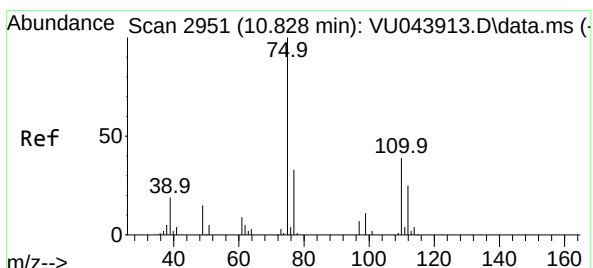
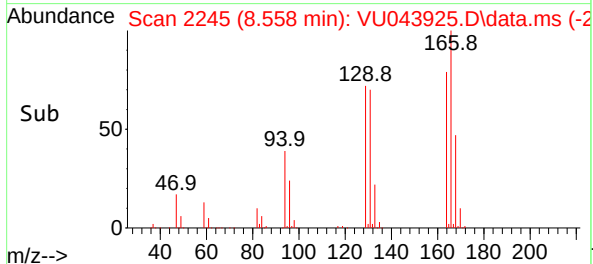
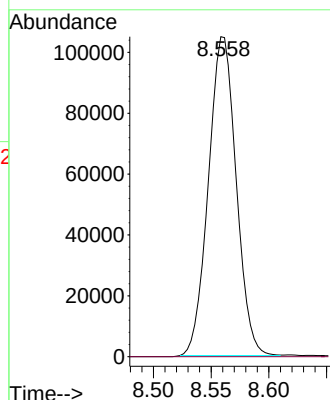
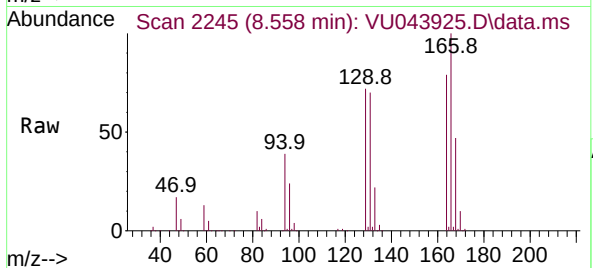
Delta R.T. -0.257 min

Lab File: VU043925.D

Acq: 24 May 2021 22:01

Instrument :
MSVOA_U
ClientSampleId :
GB424

Tgt Ion:129 Resp: 175373
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



#61

1,2,3-Trichloropropane

Concen: 1.05 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.990 min

Lab File: VU043925.D

Acq: 24 May 2021 22:01

Tgt Ion: 75 Resp: 7228
Ion Ratio Lower Upper
75 100
110 1.4 29.3 43.9#
77 32.2 26.3 39.5

