

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043021\
 Data File : VU043428.D
 Acq On : 29 Apr 2021 16:26
 Operator : SY/MD
 Sample : M2162-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 07:30:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR041521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 30 07:27:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.260	114	85425	5.00	ug/L	# 0.00
28) Chlorobenzene-d5	9.423	117	84214	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	39360	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	21224	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.916	69	21924	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.572	65	12748	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.639	46	110127	57.80	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.60%
24) Chloroform-d	5.073	84	57982	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.713	65	35758	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.735	84	103160	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.700	67	36416	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.906	98	86236	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloroprop...	8.185	79	12639	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.642	63	67528	47.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.30%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	29002	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
66) 1,2-Dichlorobenzene-d4	12.201	152	32620	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.395	85	2529	0.46	ug/L	95
3) Chloromethane	1.523	50	1502	0.28	ug/L	96
5) Vinyl chloride	1.607	62	1572	0.28	ug/L	# 24
13) Acetone	2.649	43	3837	2.74	ug/L	80
14) Carbon disulfide	2.800	76	1112	0.09	ug/L	# 74
17) Methyl tert-butyl Ether	3.375	73	94682	6.10	ug/L	# 91
22) cis-1,2-Dichloroethene	4.678	96	6216	1.04	ug/L	84
25) Chloroform	5.096	83	2514	0.21	ug/L	93
27) 1,2-Dichloroethane	5.732	62	698	0.08	ug/L	# 74
29) 1,1,1-Trichloroethane	5.092	97	824	0.08	ug/L	# 31
34) Trichloroethene	6.552	95	3094	0.50	ug/L	91
35) Methylcyclohexane	6.700	83	8077	0.94	ug/L	# 20
37) 1,2-Dichloropropane	6.703	63	4159	0.66	ug/L	# 87
39) cis-1,3-Dichloropropene	7.571	75	840	0.09	ug/L	91
47) Tetrachloroethene	8.562	164	45815	9.32	ug/L	97
48) 2-Hexanone	8.693	43	5885	1.41	ug/L	# 82
49) Dibromochloromethane	8.562	129	44697	7.48	ug/L	# 9
61) 1,2,3-Trichloropropane	11.819	75	5547	1.36	ug/L	# 65
70) 1,2,4-trichlorobenzene	13.851	180	792	0.10	ug/L	87

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Apr 30 07:30:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR041521WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 30 07:27:36 2021
Response via : Initial Calibration

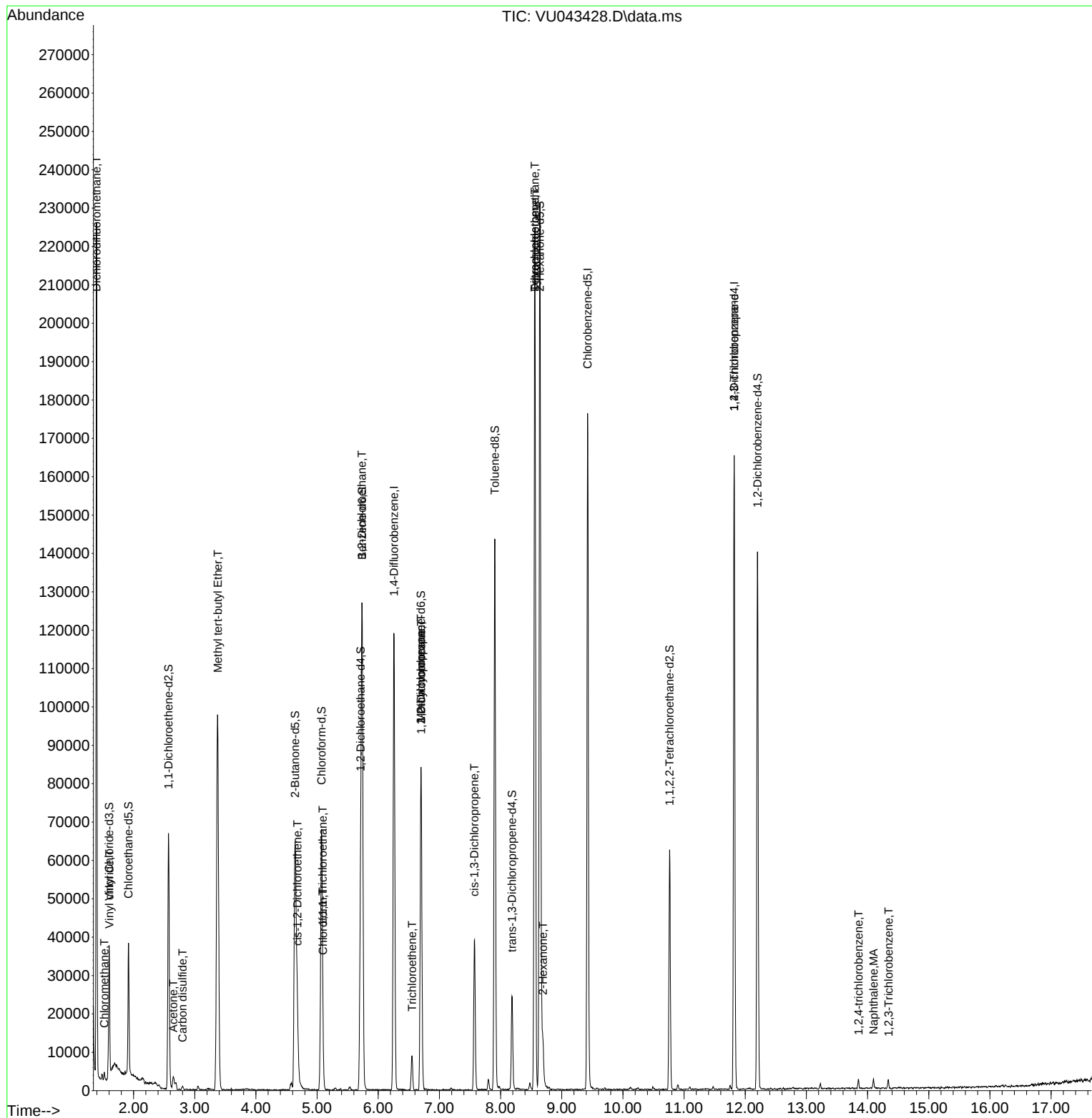
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	14.098	128	2499	0.18	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.343	180	879	0.12	ug/L #	86

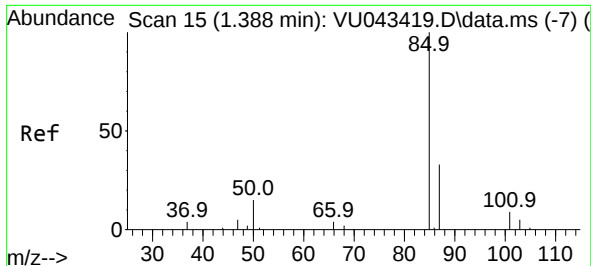
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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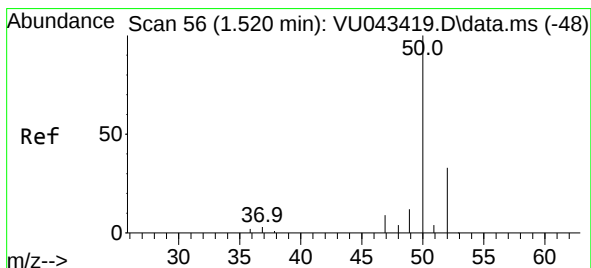
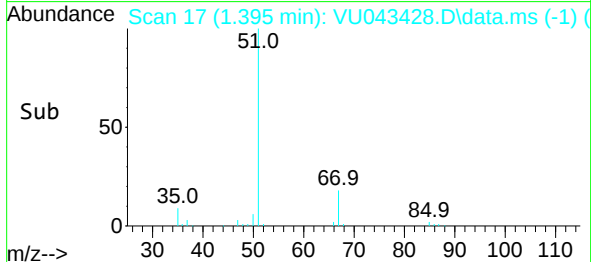
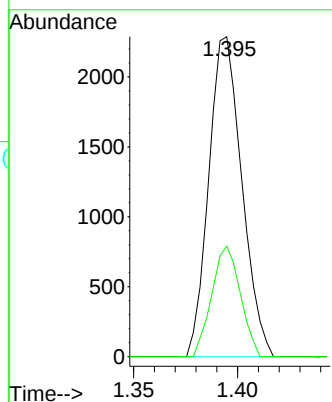
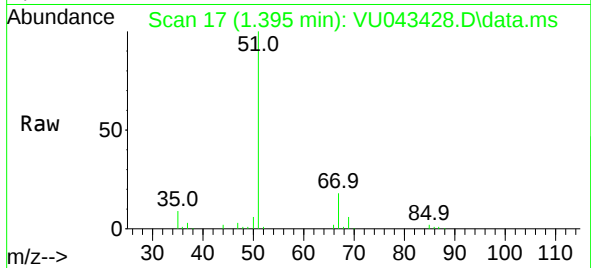




#2
Dichlorodifluoromethane
Concen: 0.46 ug/L
RT: 1.395 min Scan# 17
Delta R.T. 0.006 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

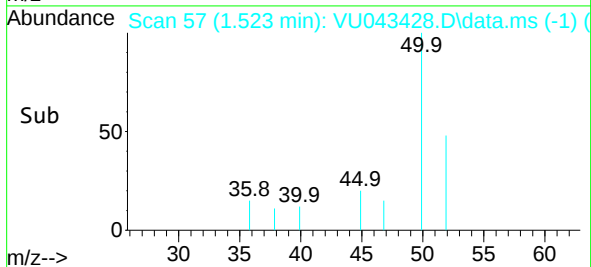
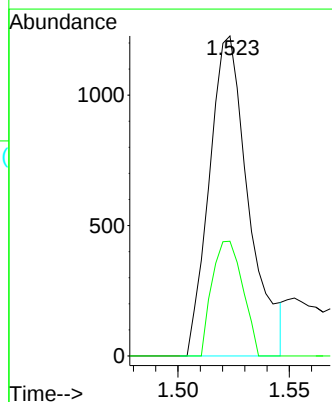
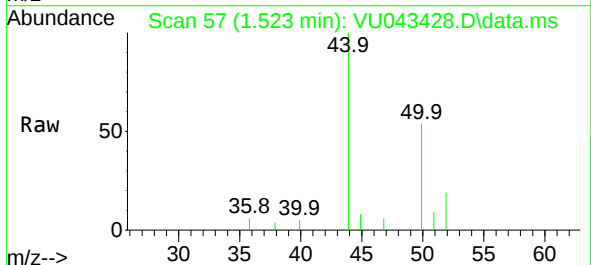
Instrument :
MSVOA_U
ClientSampled :

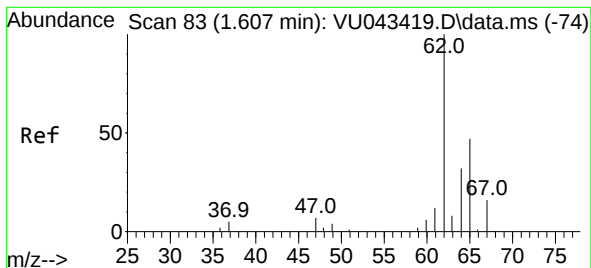
Tgt Ion: 85 Resp: 2529
Ion Ratio Lower Upper
85 100
87 29.8 26.3 39.5



#3
Chloromethane
Concen: 0.28 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 50 Resp: 1502
Ion Ratio Lower Upper
50 100
52 35.9 23.6 43.8

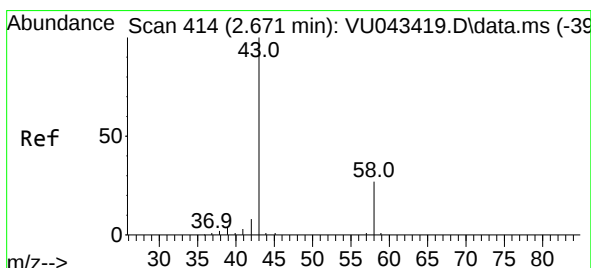
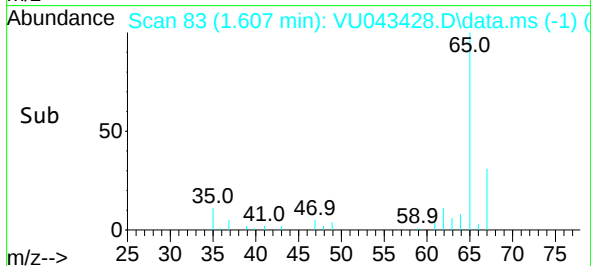
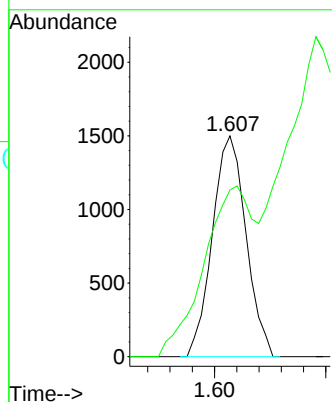
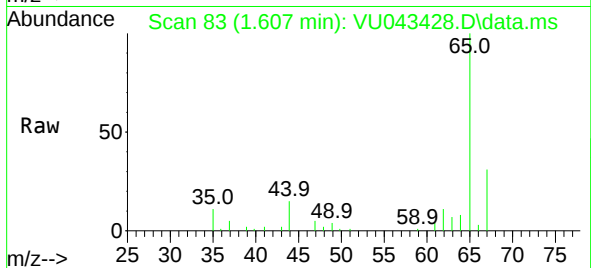




#5
 Vinyl chloride
 Concen: 0.28 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU043428.D
 Acq: 29 Apr 2021 16:26

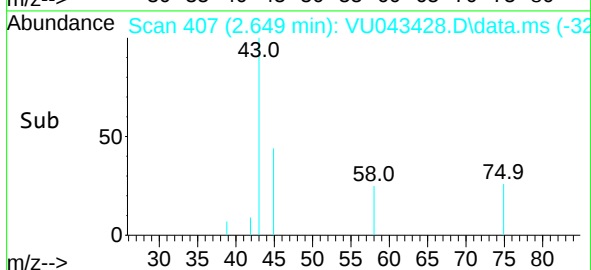
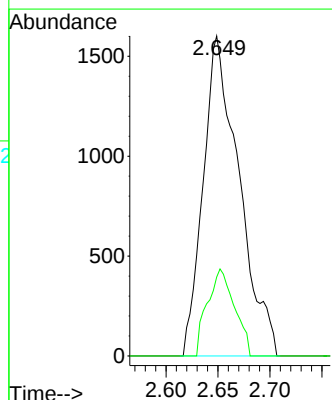
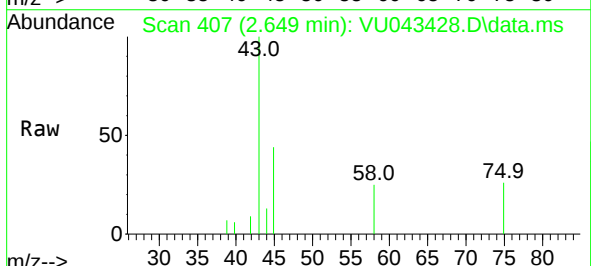
Instrument :
 MSVOA_U
 ClientSampled :

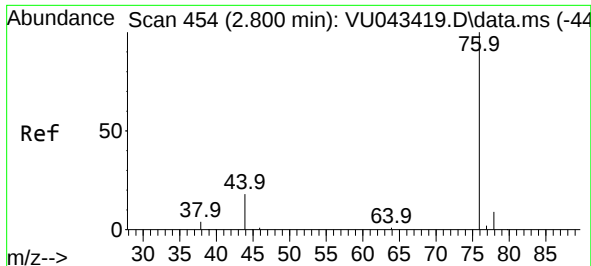
Tgt Ion: 62 Resp: 1572
 Ion Ratio Lower Upper
 62 100
 64 75.5 22.8 42.4#



#13
 Acetone
 Concen: 2.74 ug/L
 RT: 2.649 min Scan# 407
 Delta R.T. -0.022 min
 Lab File: VU043428.D
 Acq: 29 Apr 2021 16:26

Tgt Ion: 43 Resp: 3837
 Ion Ratio Lower Upper
 43 100
 58 20.5 0.0 25.0

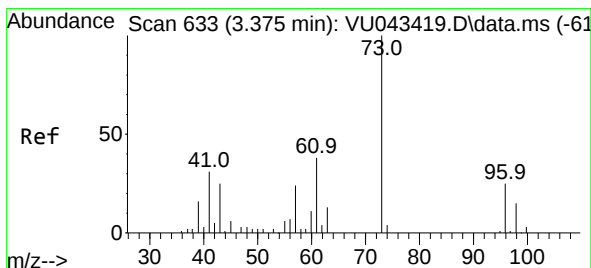
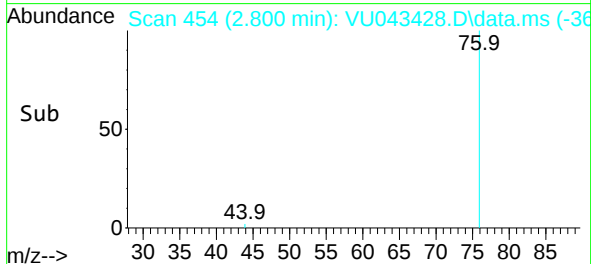
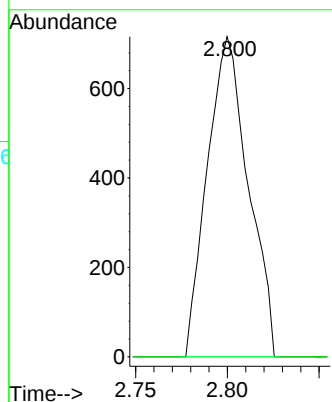
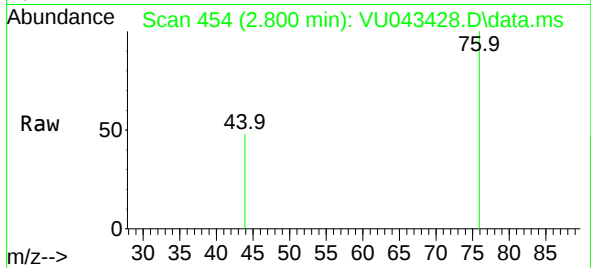




#14
Carbon disulfide
Concen: 0.09 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

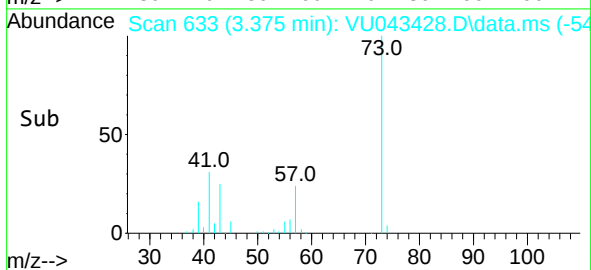
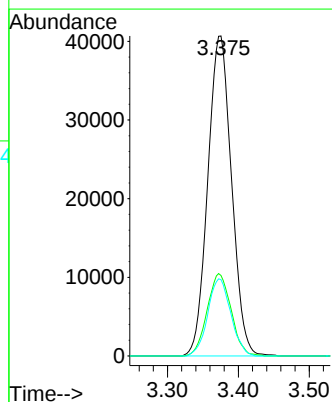
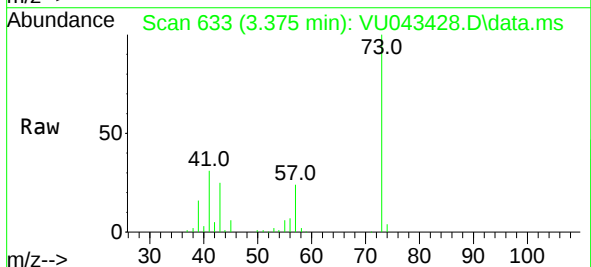
Instrument :
MSVOA_U
ClientSampleId :

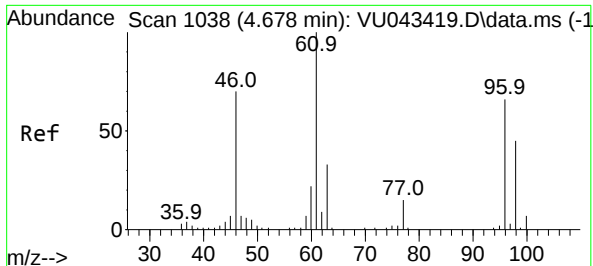
Tgt Ion: 76 Resp: 1112
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#17
Methyl tert-butyl Ether
Concen: 6.10 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.000 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 73 Resp: 94682
Ion Ratio Lower Upper
73 100
43 25.9 15.0 22.4#
57 23.4 17.3 25.9





#22

cis-1,2-Dichloroethene

Concen: 1.04 ug/L

RT: 4.678 min Scan# 1038

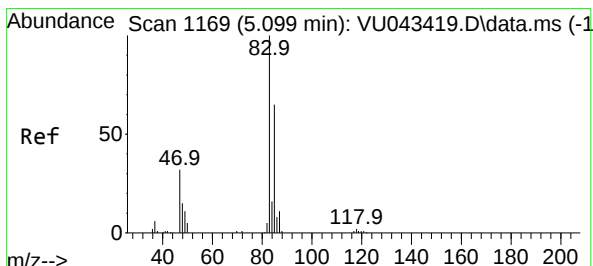
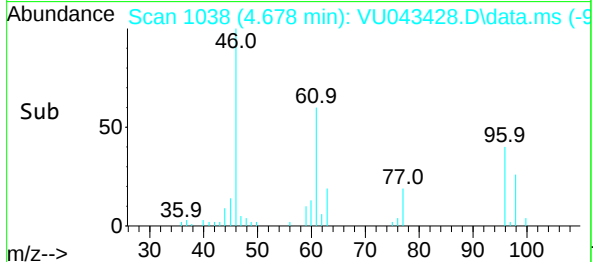
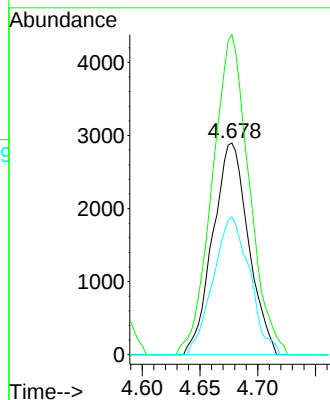
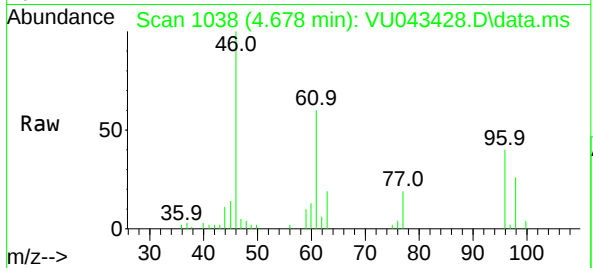
Delta R.T. 0.000 min

Lab File: VU043428.D

Acq: 29 Apr 2021 16:26

Tgt Ion:	96	Resp:	6216
Ion	Ratio	Lower	Upper
96	100		
61	151.2	87.4	162.4
98	65.1	47.7	88.5

Instrument :
MSVOA_U
ClientSampled :



#25

Chloroform

Concen: 0.21 ug/L

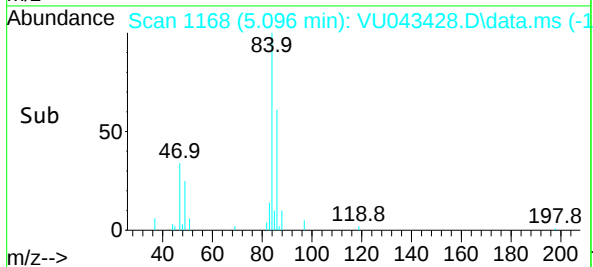
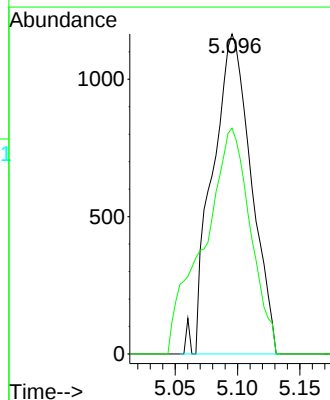
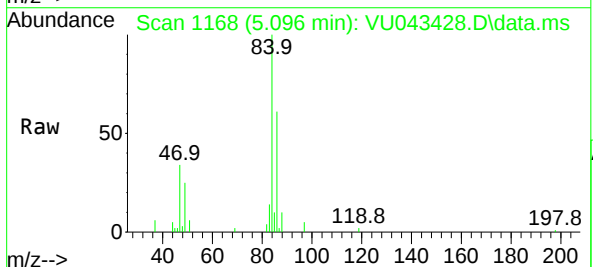
RT: 5.096 min Scan# 1168

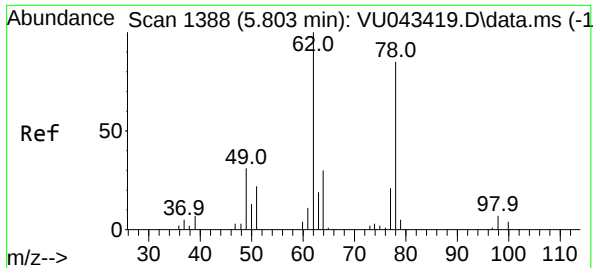
Delta R.T. -0.003 min

Lab File: VU043428.D

Acq: 29 Apr 2021 16:26

Tgt Ion:	83	Resp:	2514
Ion	Ratio	Lower	Upper
83	100		
85	70.6	45.6	84.8



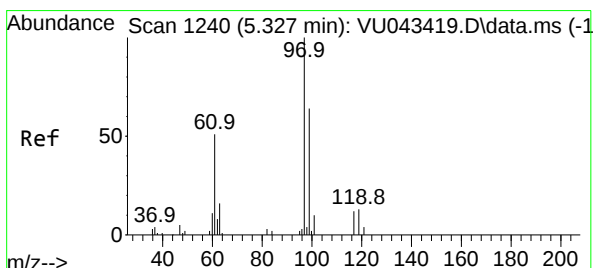
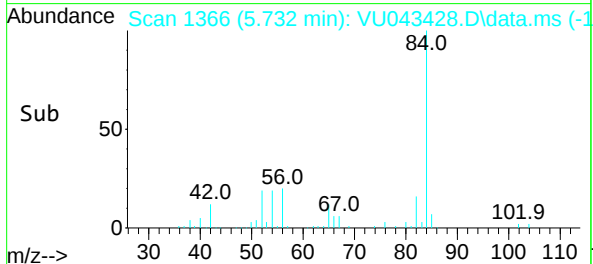
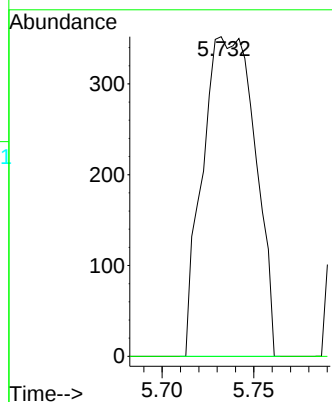
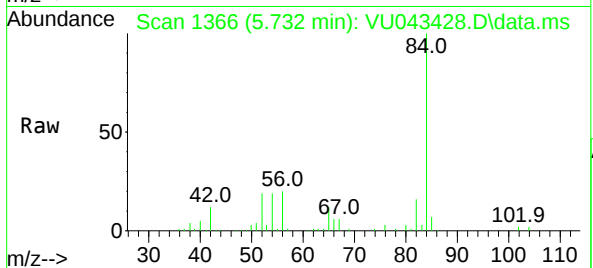


#27

1,2-Dichloroethane
Concen: 0.08 ug/L
RT: 5.732 min Scan# 1366
Delta R.T. -0.071 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Instrument :
MSVOA_U
ClientSampled :

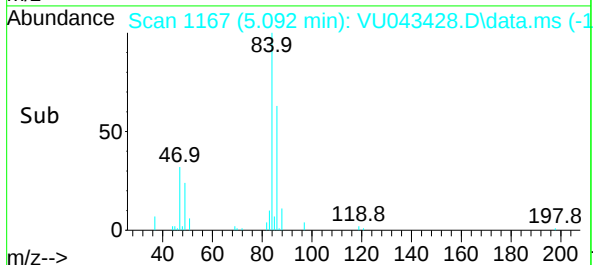
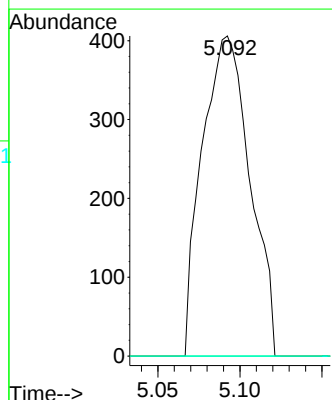
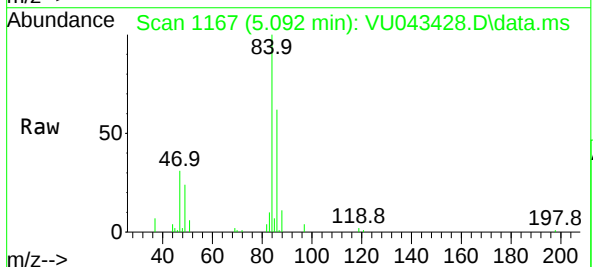
Tgt Ion: 62 Resp: 698
Ion Ratio Lower Upper
62 100
98 0.0 7.5 11.3#

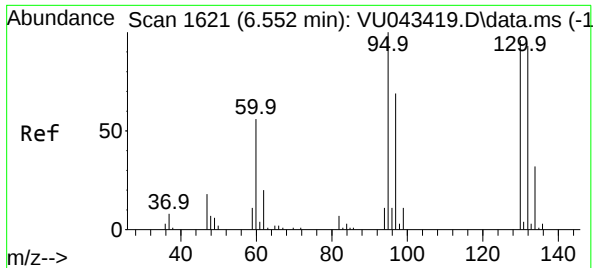


#29

1,1,1-Trichloroethane
Concen: 0.08 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.235 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 97 Resp: 824
Ion Ratio Lower Upper
97 100
99 7.5 50.3 75.5#
61 0.0 32.7 49.1#



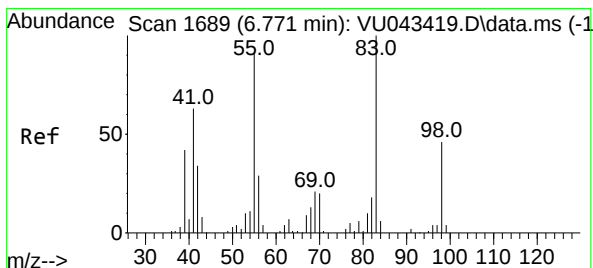
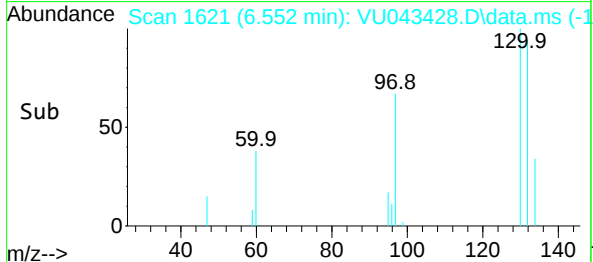
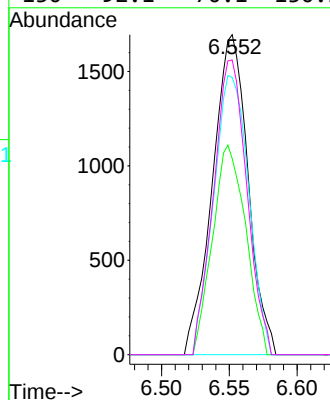
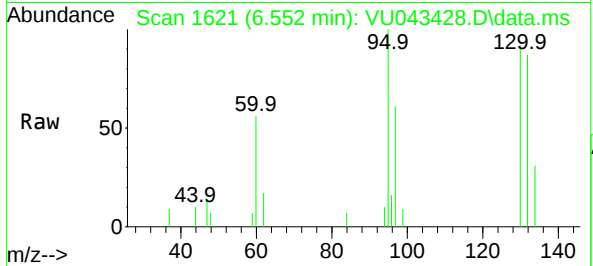


#34
Trichloroethene
Concen: 0.50 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 95 Resp: 3094

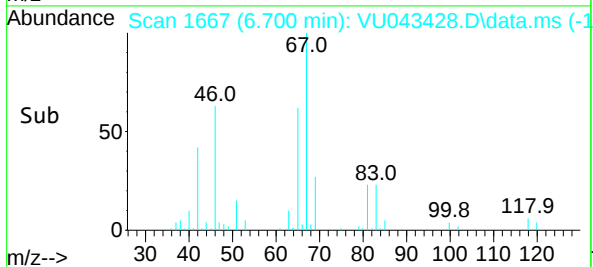
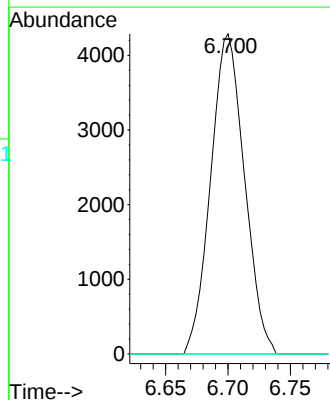
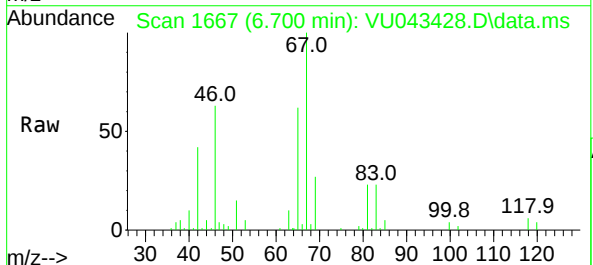
Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.8	85.2
132	86.7	68.7	127.7
130	92.1	70.1	130.3

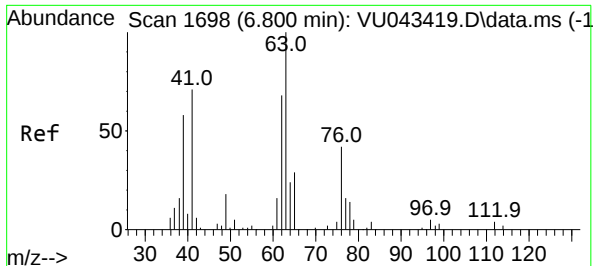


#35
Methylcyclohexane
Concen: 0.94 ug/L
RT: 6.700 min Scan# 1667
Delta R.T. -0.071 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 83 Resp: 8077

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.5	89.3#
98	1.0	37.9	56.9#



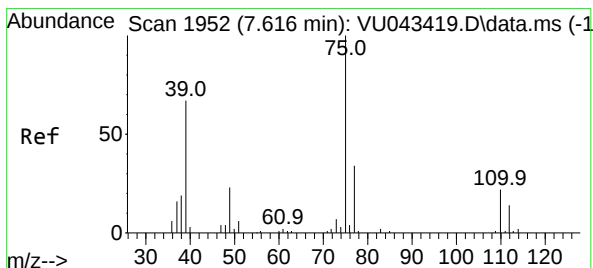
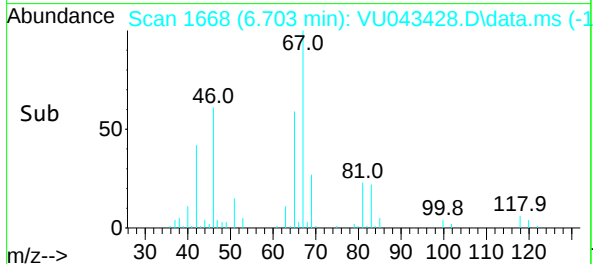
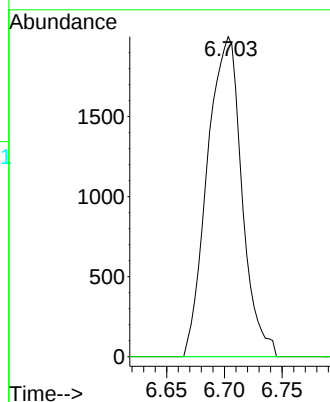
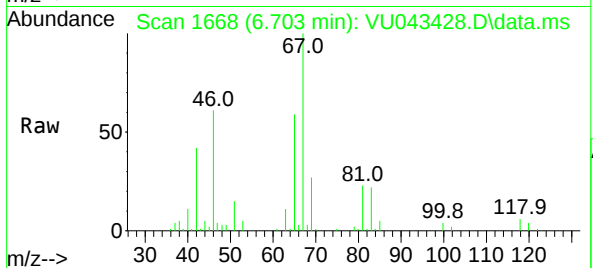


#37

1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.703 min Scan# 1668
Delta R.T. -0.096 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Instrument :
MSVOA_U
ClientSampled :

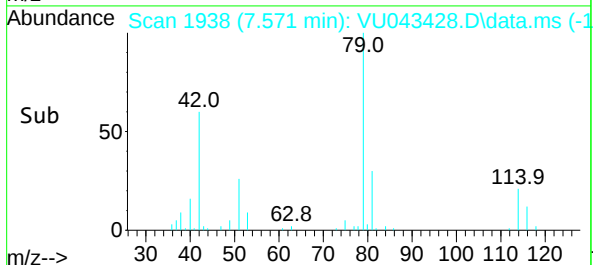
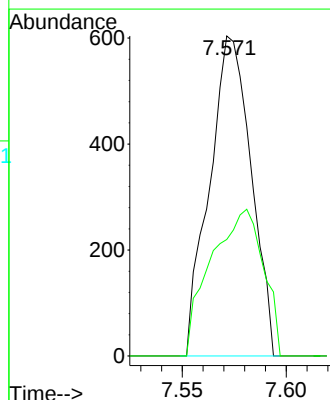
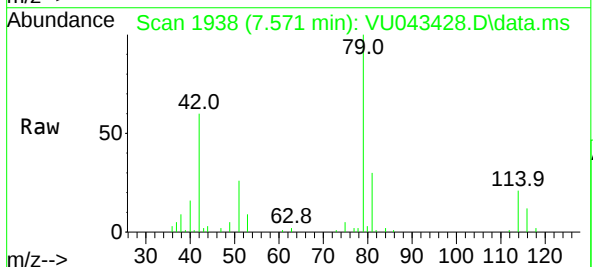
Tgt Ion: 63 Resp: 4159
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

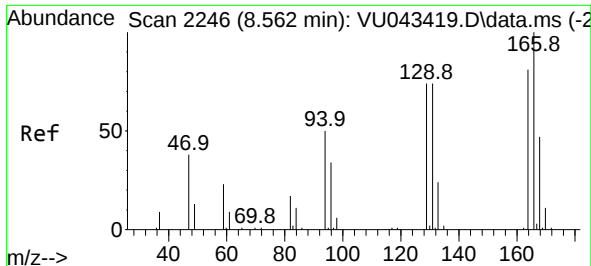


#39

cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.045 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 75 Resp: 840
Ion Ratio Lower Upper
75 100
77 36.4 21.8 40.6

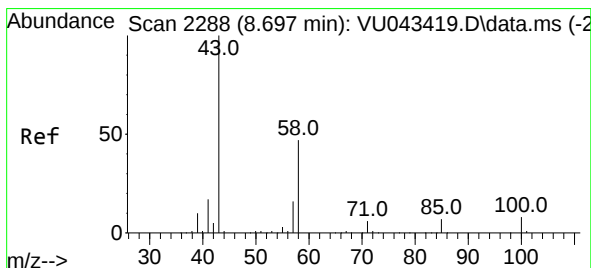
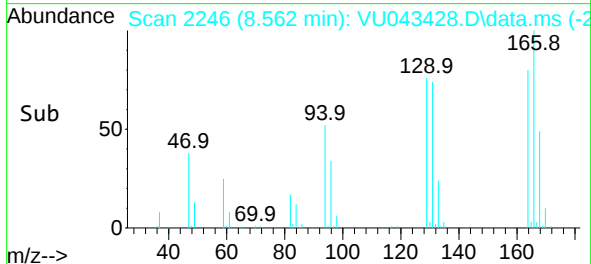
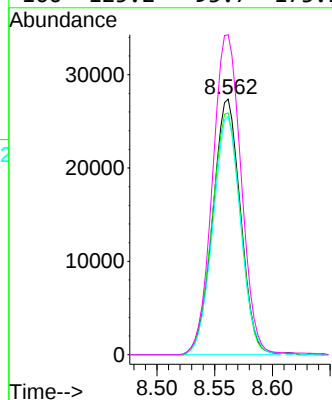
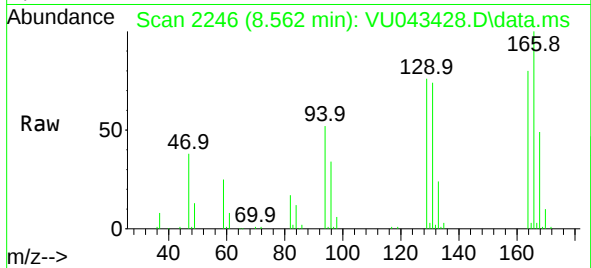




#47
Tetrachloroethene
Concen: 9.32 ug/L
RT: 8.562 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

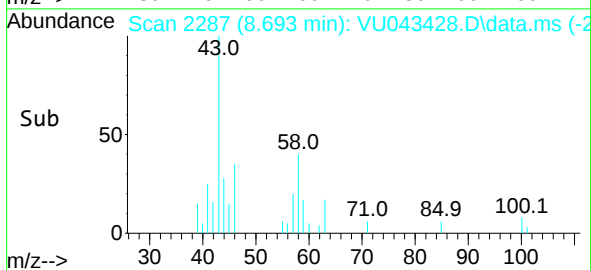
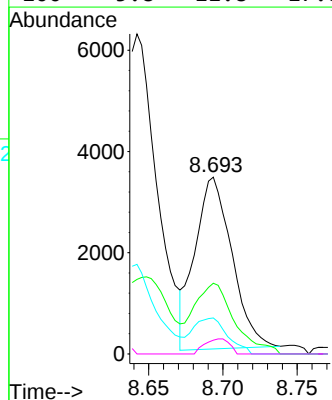
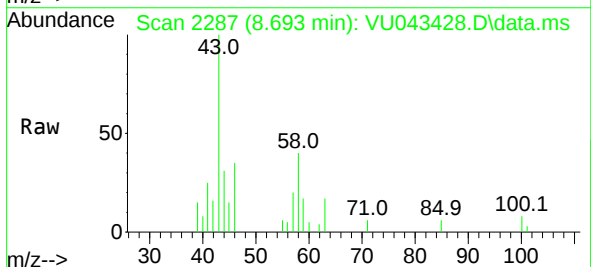
Instrument :
MSVOA_U
ClientSampleId :

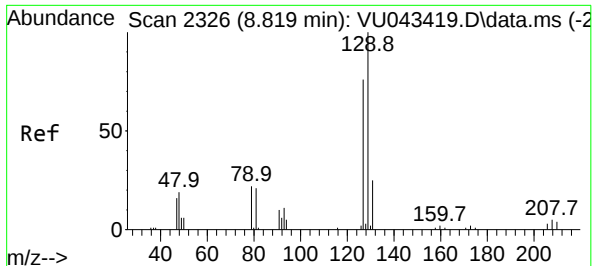
Tgt Ion:164 Resp: 45815
Ion Ratio Lower Upper
164 100
129 94.6 66.6 123.8
131 93.2 65.9 122.3
166 125.2 93.7 173.9



#48
2-Hexanone
Concen: 1.41 ug/L
RT: 8.693 min Scan# 2287
Delta R.T. -0.003 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Tgt Ion: 43 Resp: 5885
Ion Ratio Lower Upper
43 100
58 45.6 50.0 75.0#
57 19.2 17.4 26.0
100 5.8 11.8 17.8#





#49

Dibromochloromethane

Concen: 7.48 ug/L

RT: 8.562 min Scan# 2246

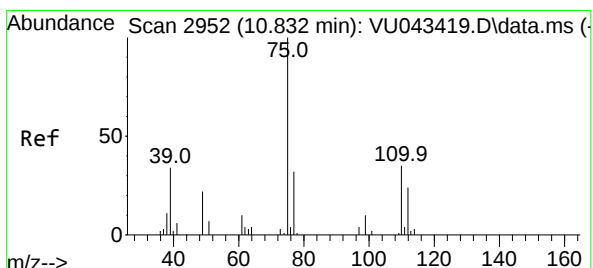
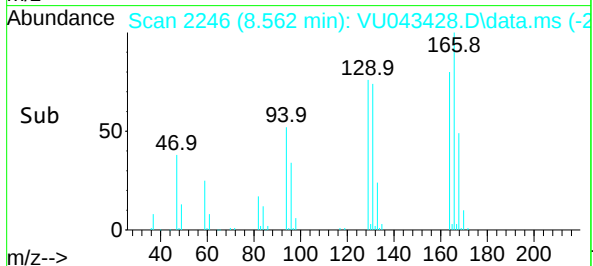
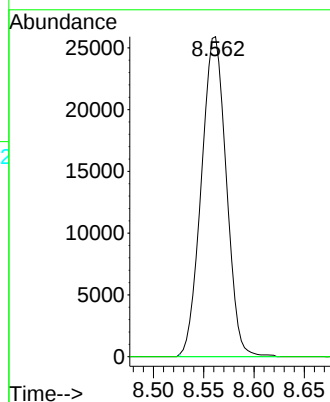
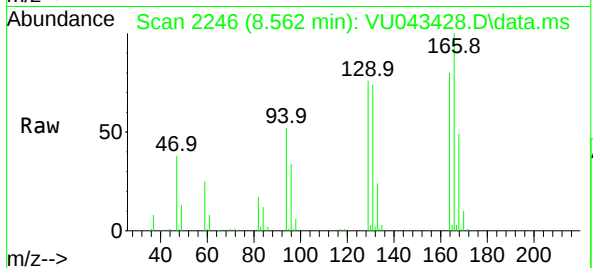
Delta R.T. -0.257 min

Lab File: VU043428.D

Acq: 29 Apr 2021 16:26

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:129 Resp: 44697
Ion Ratio Lower Upper
129 100
127 0.0 56.6 105.2#



#61

1,2,3-Trichloropropane

Concen: 1.36 ug/L

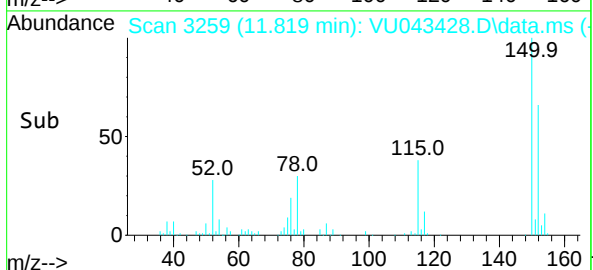
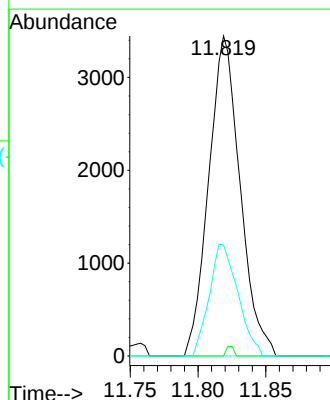
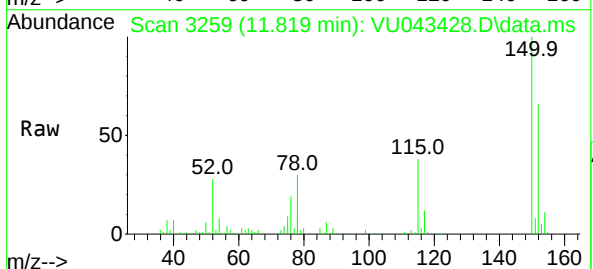
RT: 11.819 min Scan# 3259

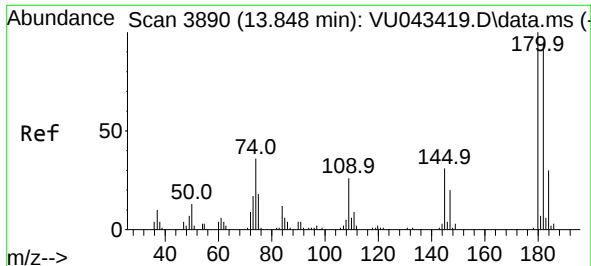
Delta R.T. 0.987 min

Lab File: VU043428.D

Acq: 29 Apr 2021 16:26

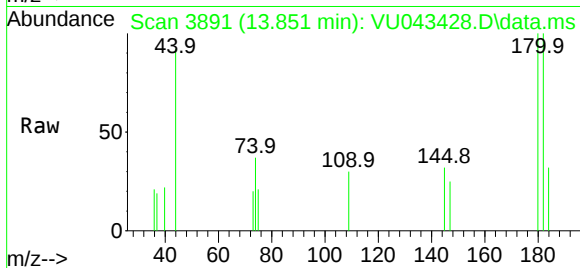
Tgt Ion: 75 Resp: 5547
Ion Ratio Lower Upper
75 100
110 0.7 31.5 47.3#
77 31.9 26.3 39.5



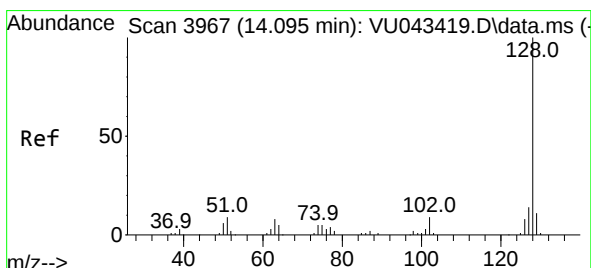
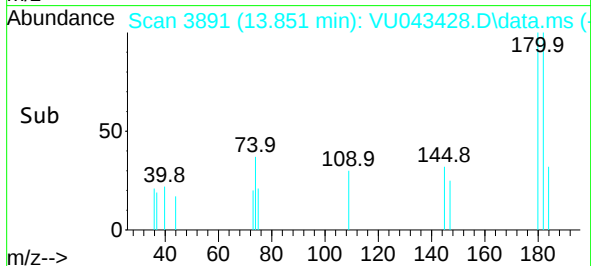
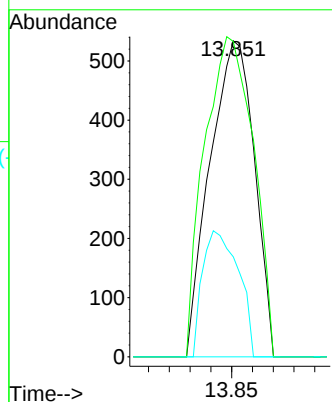


#70
1,2,4-trichlorobenzene
Concen: 0.10 ug/L
RT: 13.851 min Scan# 3891
Delta R.T. 0.003 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

Instrument :
MSVOA_U
ClientSampled :

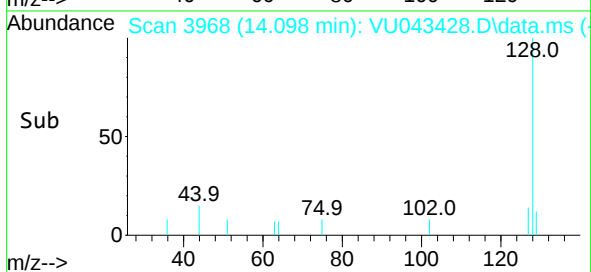
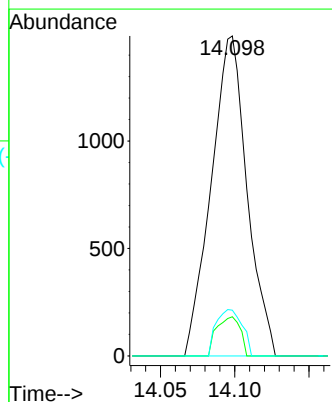
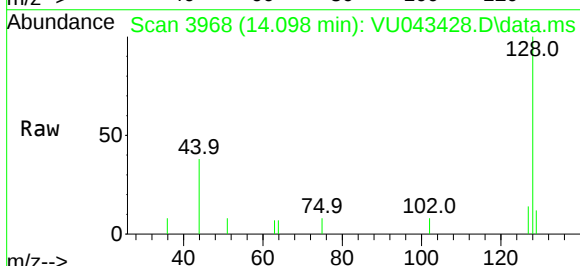


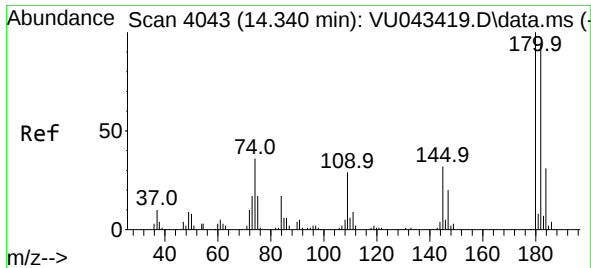
Tgt Ion:180 Resp: 792
Ion Ratio Lower Upper
180 100
182 111.2 76.5 114.7
145 32.2 24.1 36.1



#71
Naphthalene
Concen: 0.18 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU043428.D
Acq: 29 Apr 2021 16:26

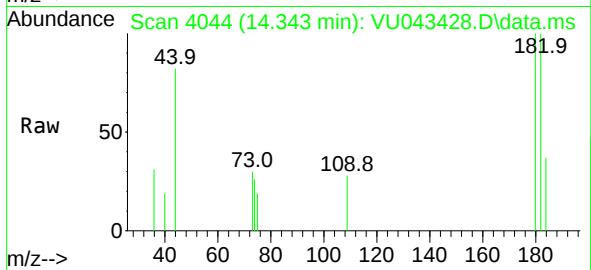
Tgt Ion:128 Resp: 2499
Ion Ratio Lower Upper
128 100
129 8.0 8.6 12.8#
127 10.5 10.6 15.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.12 ug/L
 RT: 14.343 min Scan# 4044
 Delta R.T. 0.003 min
 Lab File: VU043428.D
 Acq: 29 Apr 2021 16:26

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 879
 Ion Ratio Lower Upper
 180 100
 182 99.7 75.8 113.8
 145 8.5 25.0 37.4#

