

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU043021\
 Data File : VU043435.D
 Acq On : 29 Apr 2021 19:16
 Operator : SY/MD
 Sample : M2197-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 07:31:40 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	6.330	114	79506	5.00	ug/L	# 0.07
28) Chlorobenzene-d5	9.439	117	82312	5.00	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.825	152	36880	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.665	65	21029	5.20	ug/L	0.06
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.986	69	20949	5.50	ug/L	0.07
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.645	65	12516	5.35	ug/L	0.07
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	4.780	46	105499	59.49	ug/L	0.13
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.98%
24) Chloroform-d	5.153	84	55548	5.40	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.806	65	34464	4.96	ug/L	0.09
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.822	84	95222	4.97	ug/L	0.08
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.761	67	33635	5.29	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.941	98	79239	3.98	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloroprop...	8.217	79	11159	3.98	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.671	63	58897	42.07	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.14%
56) 1,1,2,2-Tetrachloroeth...	10.770	84	27582	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	12.204	152	31163	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%
Target Compounds						
					Qvalue	
3) Chloromethane	1.581	50	516	0.10	ug/L	94
9) Trichlorofluoromethane	2.208	101	1737	0.18	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.658	101	2328	0.44	ug/L	99
12) 1,1-Dichloroethene	2.658	96	6872	1.56	ug/L #	1
15) Methyl Acetate	2.980	43	313	0.13	ug/L #	48
17) Methyl tert-butyl Ether	3.475	73	3015	0.21	ug/L #	77
22) cis-1,2-Dichloroethene	4.742	96	2712	0.49	ug/L #	74
25) Chloroform	5.179	83	24262	2.22	ug/L	97
31) Carbon tetrachloride	5.613	117	7375	0.87	ug/L	97
34) Trichloroethene	6.613	95	41865	6.91	ug/L	96
35) Methylcyclohexane	6.761	83	7410	0.88	ug/L #	21
37) 1,2-Dichloropropane	6.761	63	4232	0.68	ug/L #	87
39) cis-1,3-Dichloropropene	7.613	75	788	0.09	ug/L #	44
45) 1,1,2-Trichloroethane	8.584	97	1407	0.30	ug/L #	1
47) Tetrachloroethene	8.584	164	157854	32.84	ug/L	97
48) 2-Hexanone	8.716	43	4760	1.17	ug/L #	35
49) Dibromochloromethane	8.584	129	150511	25.76	ug/L #	9
61) 1,2,3-Trichloropropane	11.822	75	4654	1.22	ug/L #	57

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QLast Update : Fri Apr 30 07:27:36 2021
Response via : Initial Calibration

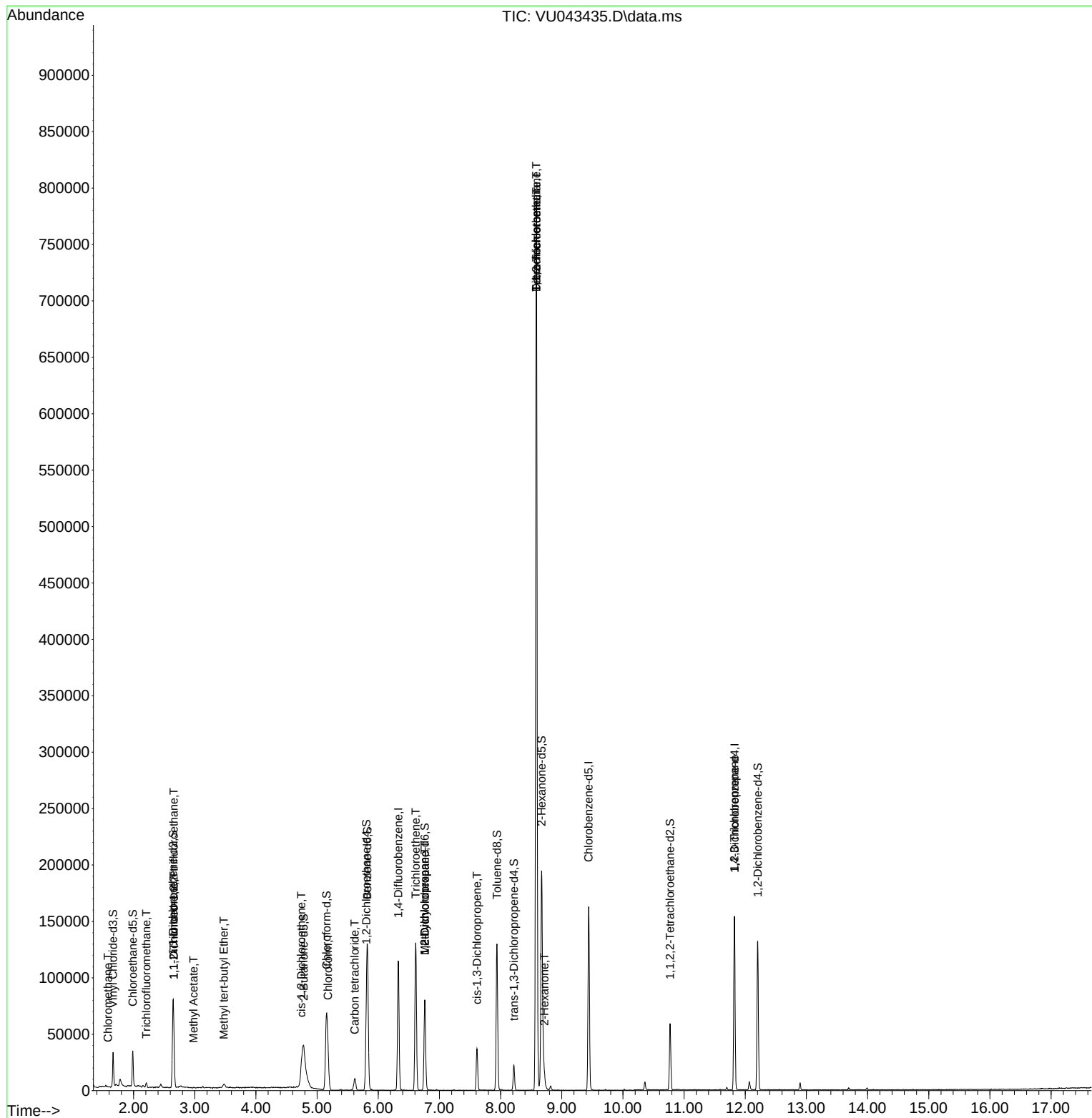
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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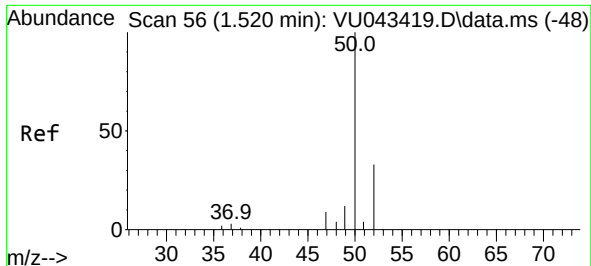
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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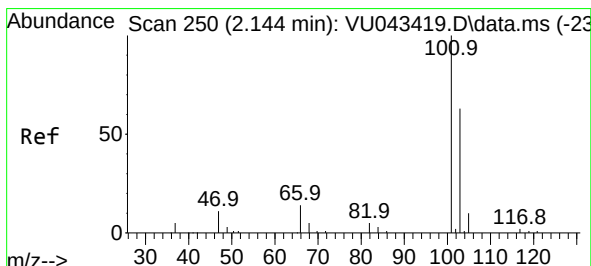
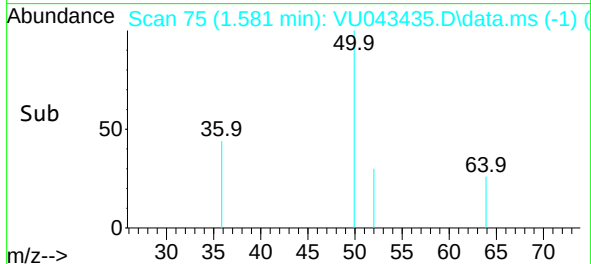
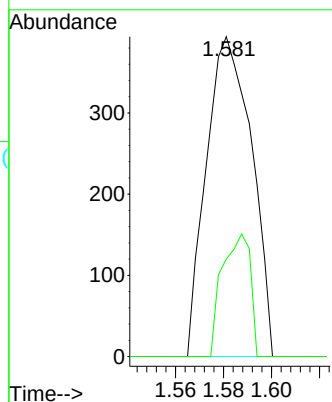
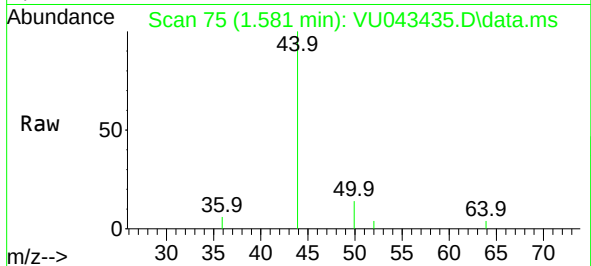




#3
Chloromethane
Concen: 0.10 ug/L
RT: 1.581 min Scan# 75
Delta R.T. 0.061 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

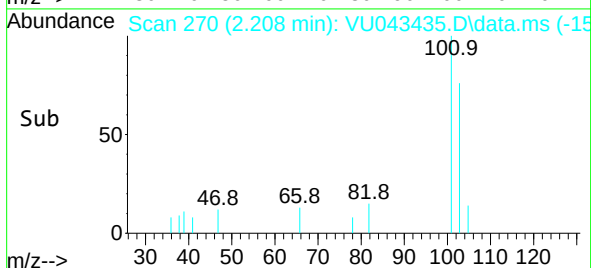
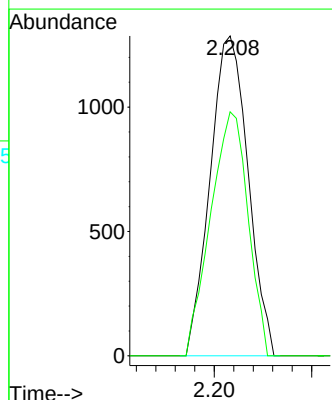
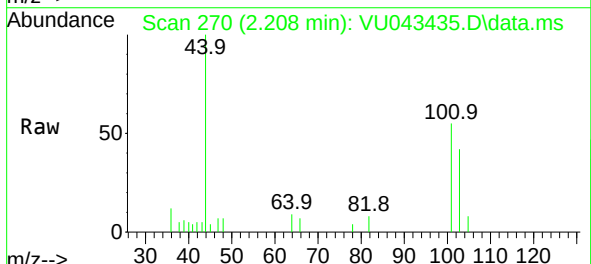
Instrument :
MSVOA_U
ClientSampled :

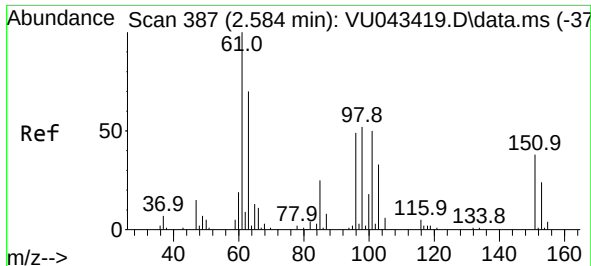
Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 30.5 23.6 43.8



#9
Trichlorofluoromethane
Concen: 0.18 ug/L
RT: 2.208 min Scan# 270
Delta R.T. 0.064 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

Tgt Ion: 101 Resp: 1737
Ion Ratio Lower Upper
101 100
103 75.2 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.44 ug/L

RT: 2.658 min Scan# 410

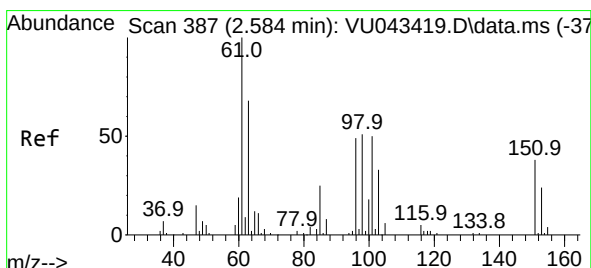
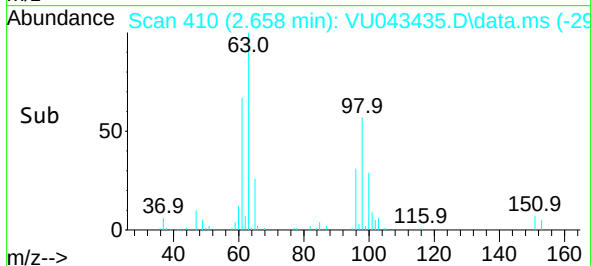
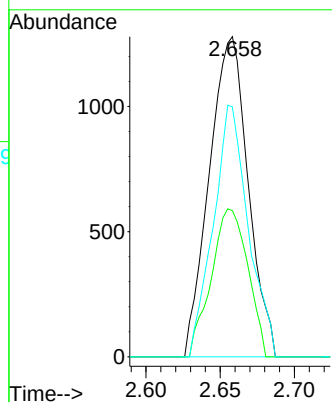
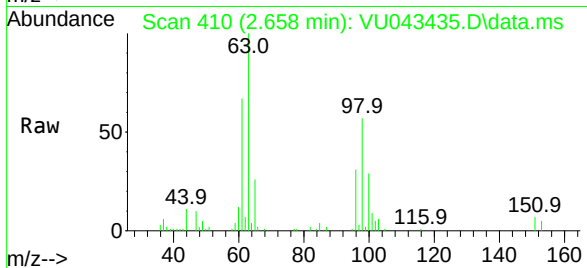
Delta R.T. 0.074 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Tgt Ion:	101	Resp:	2328
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.5	51.7
151	70.9	57.4	86.2

Instrument :
MSVOA_U
ClientSampleId :



#12

1,1-Dichloroethene

Concen: 1.56 ug/L

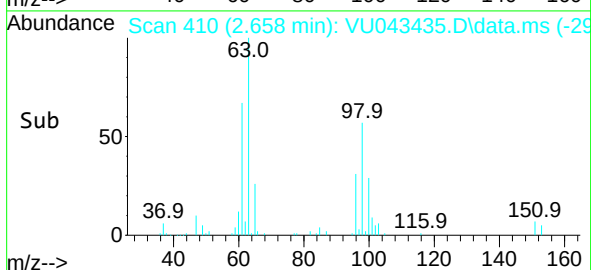
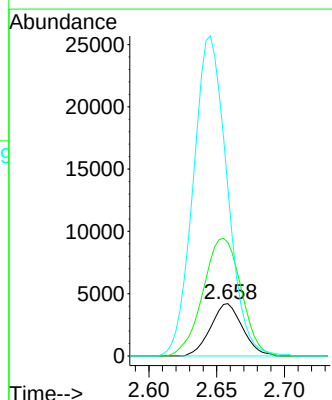
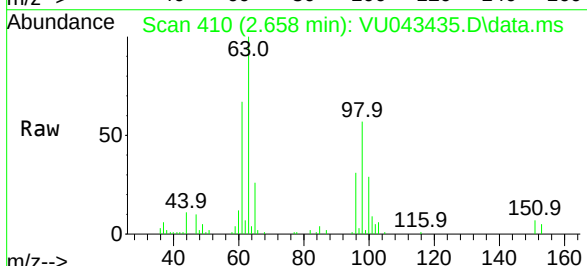
RT: 2.658 min Scan# 410

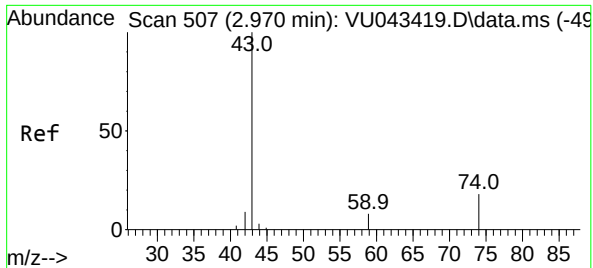
Delta R.T. 0.074 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Tgt Ion:	96	Resp:	6872
Ion Ratio	Lower	Upper	
96	100		
61	216.8	115.1	213.7#
63	321.5	84.1	156.1#

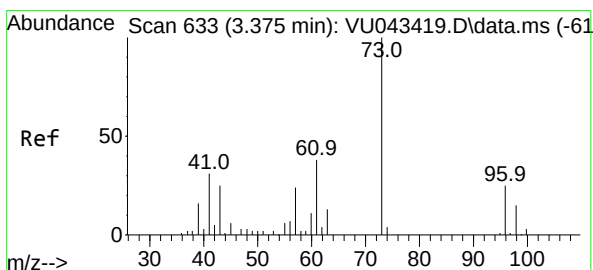
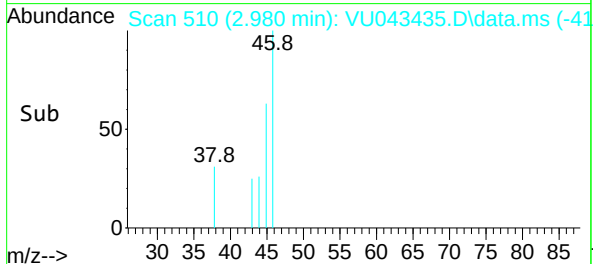
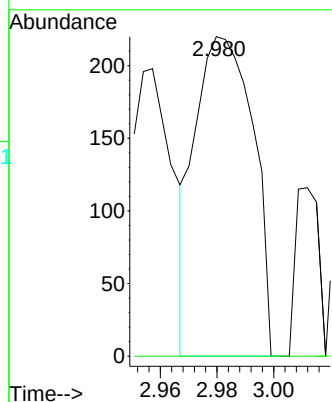
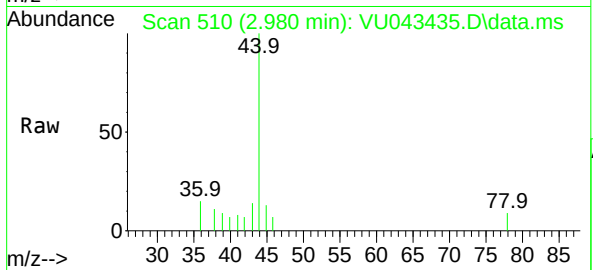




#15
Methyl Acetate
Concen: 0.13 ug/L
RT: 2.980 min Scan# 510
Delta R.T. 0.010 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

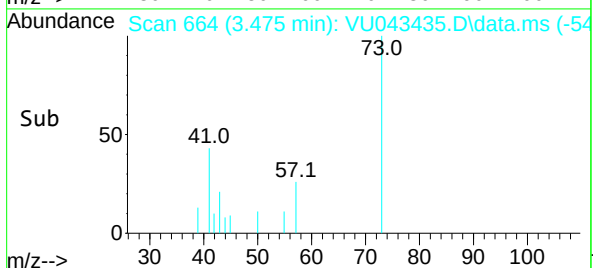
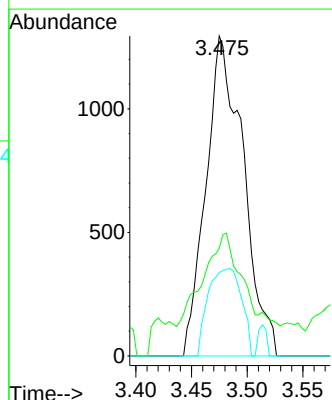
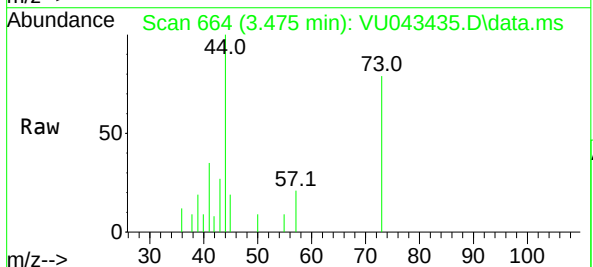
Instrument :
MSVOA_U
ClientSampled :

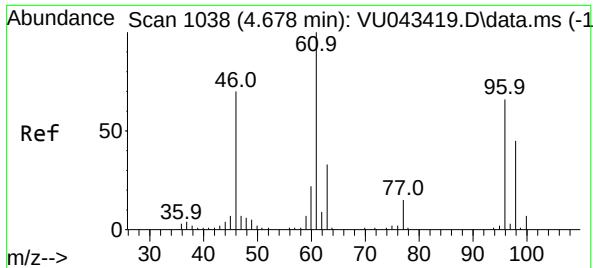
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
74 0.0 21.5 32.3#



#17
Methyl tert-butyl Ether
Concen: 0.21 ug/L
RT: 3.475 min Scan# 664
Delta R.T. 0.100 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

Tgt Ion: 73 Resp: 3015
Ion Ratio Lower Upper
73 100
43 37.4 15.0 22.4#
57 24.4 17.3 25.9

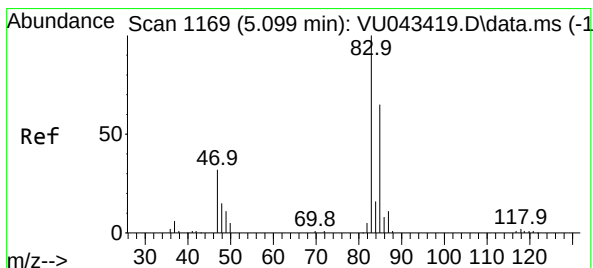
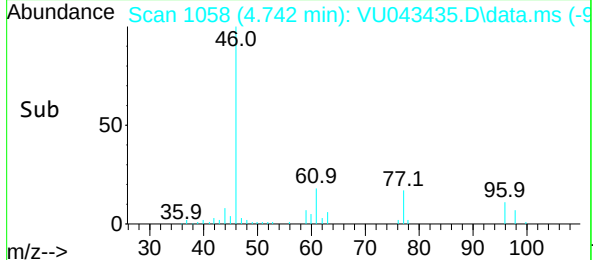
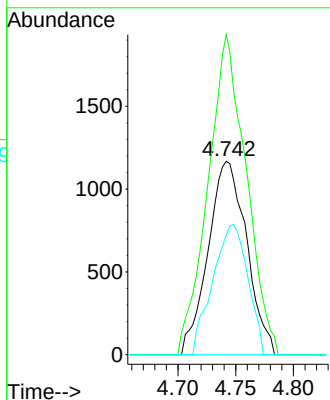
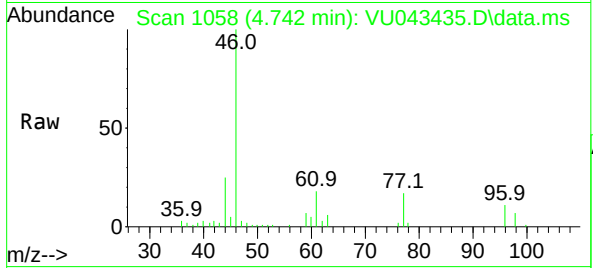




#22
 cis-1,2-Dichloroethene
 Concen: 0.49 ug/L
 RT: 4.742 min Scan# 1058
 Delta R.T. 0.064 min
 Lab File: VU043435.D
 Acq: 29 Apr 2021 19:16

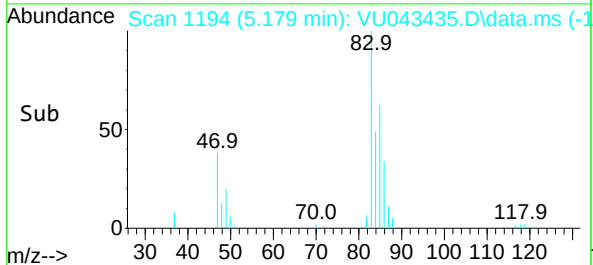
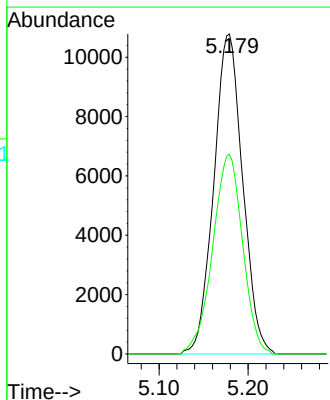
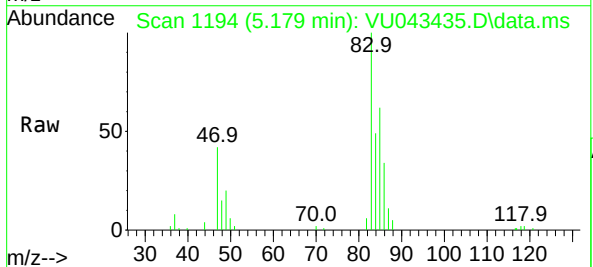
Instrument :
 MSVOA_U
 ClientSampled :

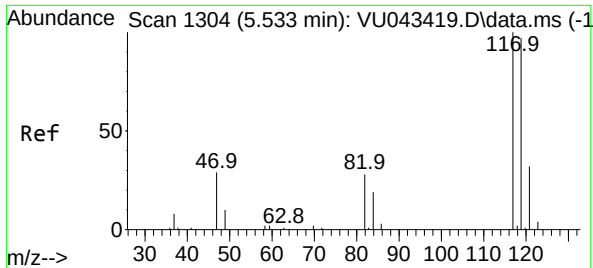
Tgt Ion:	96	Resp:	2712
Ion	Ratio	Lower	Upper
96	100		
61	165.5	87.4	162.4#
98	61.8	47.7	88.5



#25
 Chloroform
 Concen: 2.22 ug/L
 RT: 5.179 min Scan# 1194
 Delta R.T. 0.080 min
 Lab File: VU043435.D
 Acq: 29 Apr 2021 19:16

Tgt Ion:	83	Resp:	24262
Ion	Ratio	Lower	Upper
83	100		
85	62.4	45.6	84.8

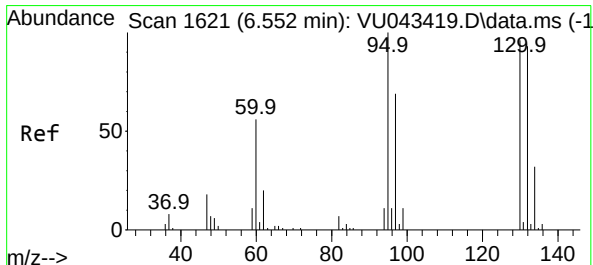
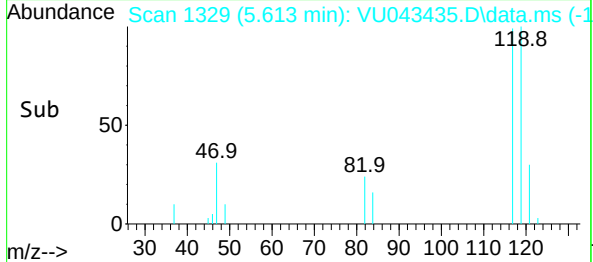
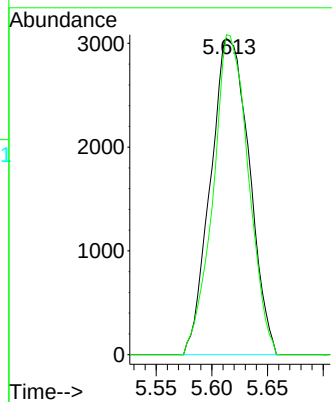
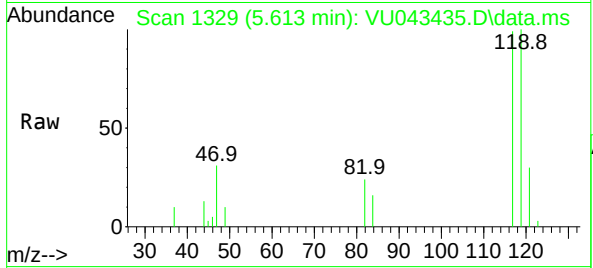




#31
Carbon tetrachloride
Concen: 0.87 ug/L
RT: 5.613 min Scan# 1329
Delta R.T. 0.080 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

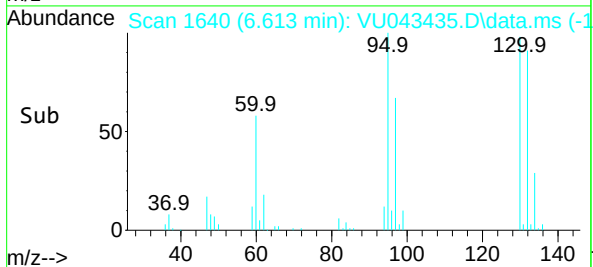
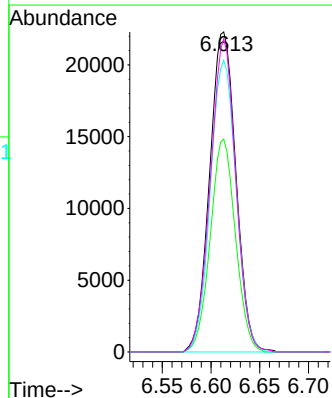
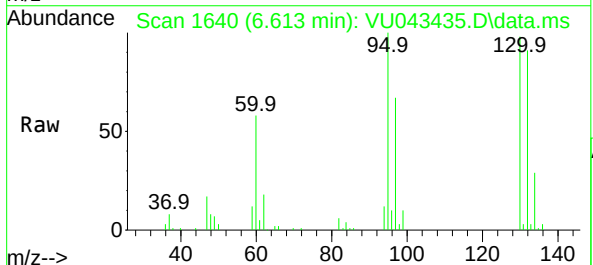
Instrument :
MSVOA_U
ClientSampled :

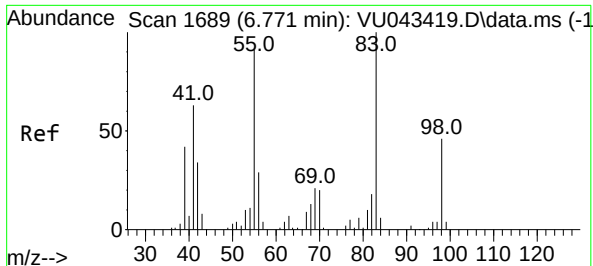
Tgt Ion: 117 Resp: 7375
Ion Ratio Lower Upper
117 100
119 92.0 76.2 114.4



#34
Trichloroethene
Concen: 6.91 ug/L
RT: 6.613 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

Tgt Ion: 95 Resp: 41865
Ion Ratio Lower Upper
95 100
97 66.5 45.8 85.2
132 91.1 68.7 127.7
130 97.8 70.1 130.3





#35

Methylcyclohexane

Concen: 0.88 ug/L

RT: 6.761 min Scan# 1686

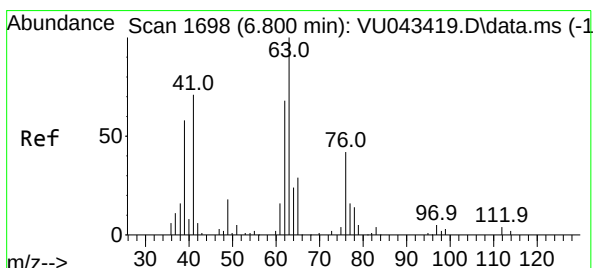
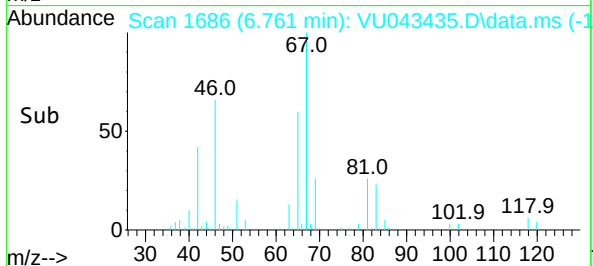
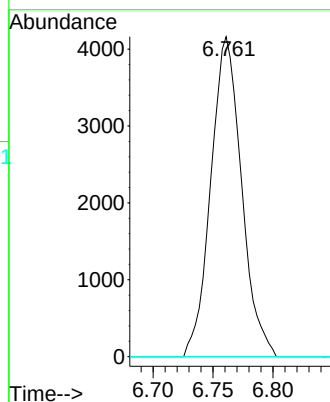
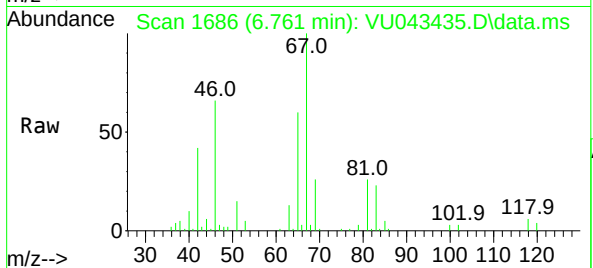
Delta R.T. -0.010 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Tgt Ion:	83	Resp:	7410
Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.5	89.3#
98	4.0	37.9	56.9#

Instrument :
MSVOA_U
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.68 ug/L

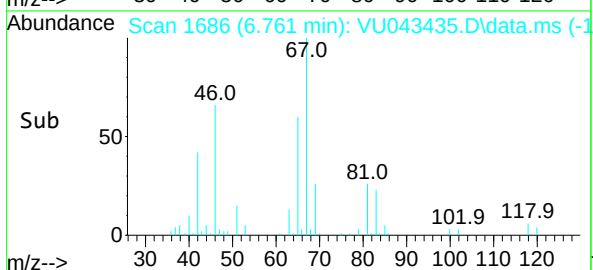
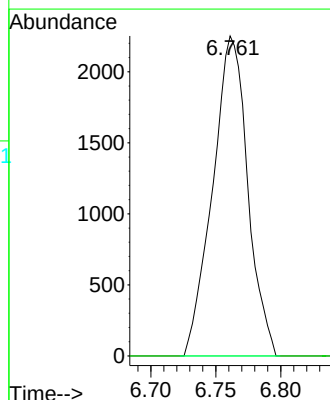
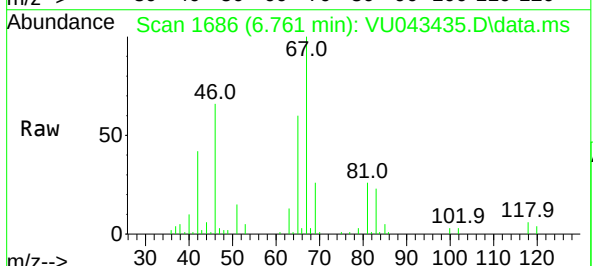
RT: 6.761 min Scan# 1686

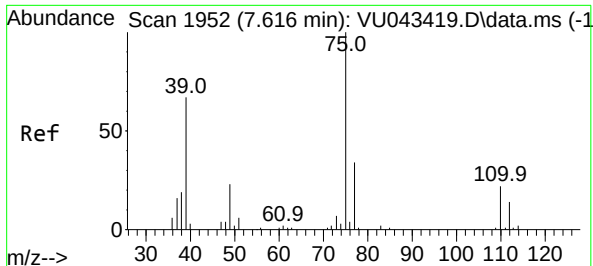
Delta R.T. -0.039 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Tgt Ion:	63	Resp:	4232
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#

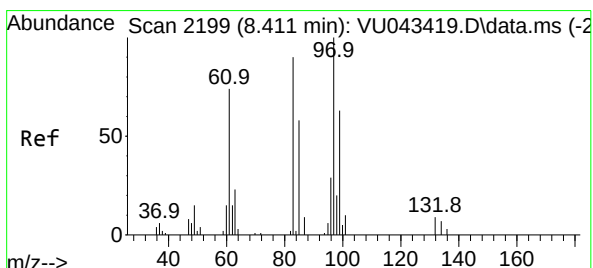
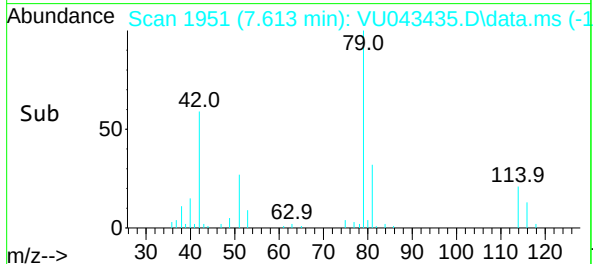
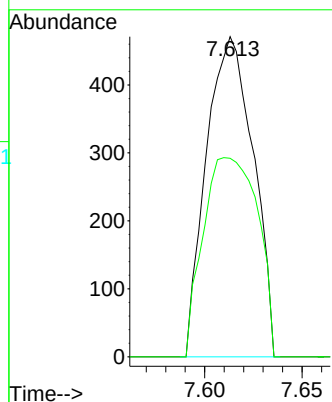
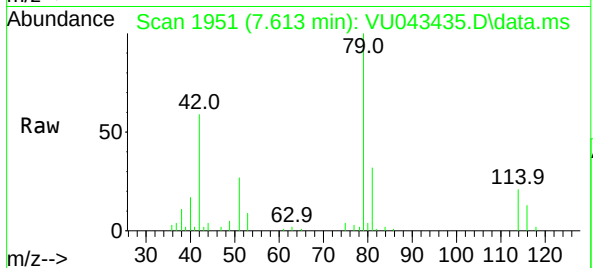




#39
 cis-1,3-Dichloropropene
 Concen: 0.09 ug/L
 RT: 7.613 min Scan# 1951
 Delta R.T. -0.003 min
 Lab File: VU043435.D
 Acq: 29 Apr 2021 19:16

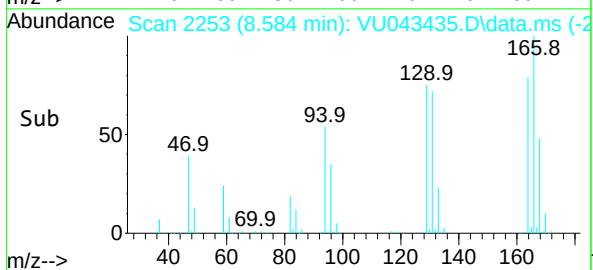
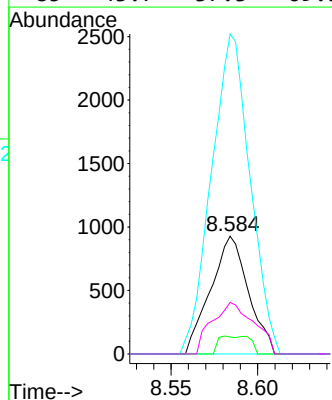
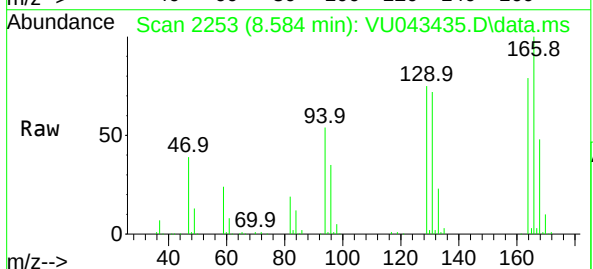
Instrument :
 MSVOA_U
 ClientSampled :

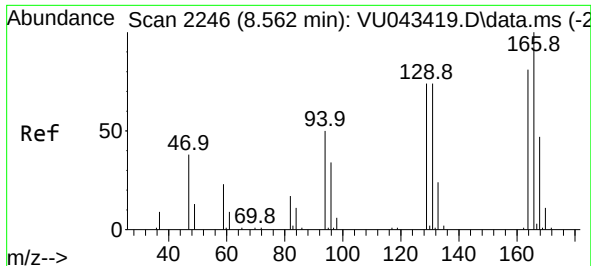
Tgt Ion: 75 Resp: 788
 Ion Ratio Lower Upper
 75 100
 77 62.0 21.8 40.6#



#45
 1,1,2-Trichloroethane
 Concen: 0.30 ug/L
 RT: 8.584 min Scan# 2253
 Delta R.T. 0.174 min
 Lab File: VU043435.D
 Acq: 29 Apr 2021 19:16

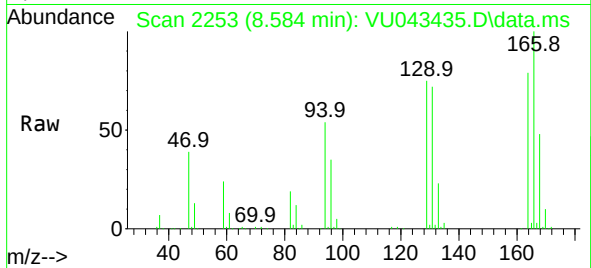
Tgt Ion: 97 Resp: 1407
 Ion Ratio Lower Upper
 97 100
 99 14.3 44.2 82.0#
 83 272.0 60.1 111.7#
 85 43.7 37.3 69.3



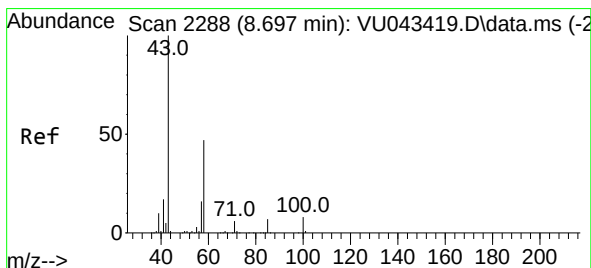
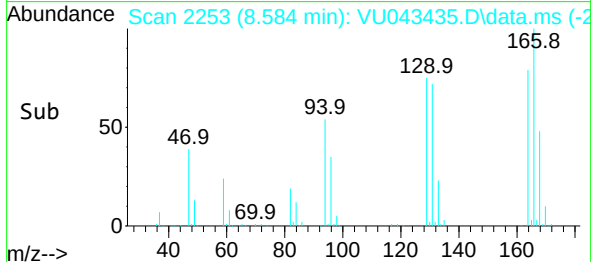
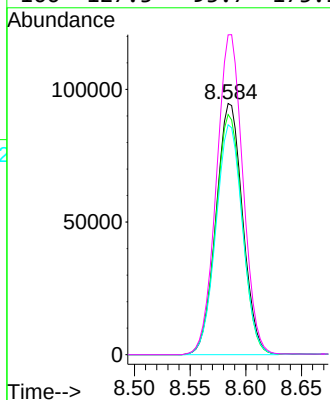


#47
Tetrachloroethene
Concen: 32.84 ug/L
RT: 8.584 min Scan# 2253
Delta R.T. 0.022 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16

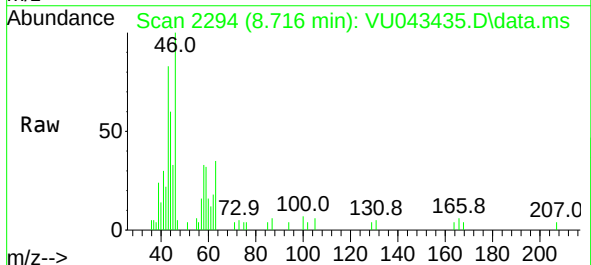
Instrument :
MSVOA_U
ClientSampled :



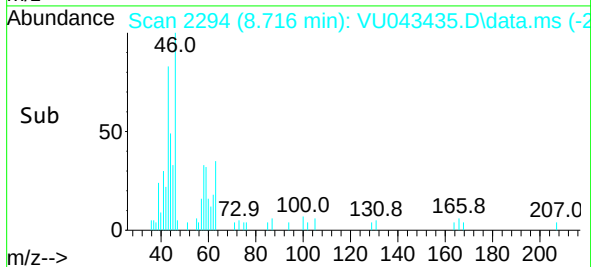
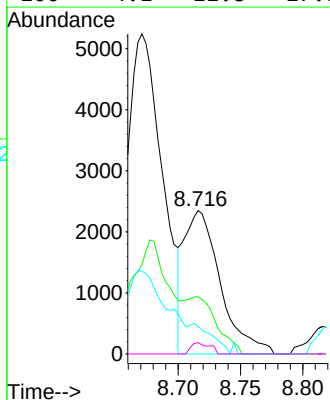
Tgt Ion:164 Resp: 157854
Ion Ratio Lower Upper
164 100
129 95.6 66.6 123.8
131 91.5 65.9 122.3
166 127.3 93.7 173.9

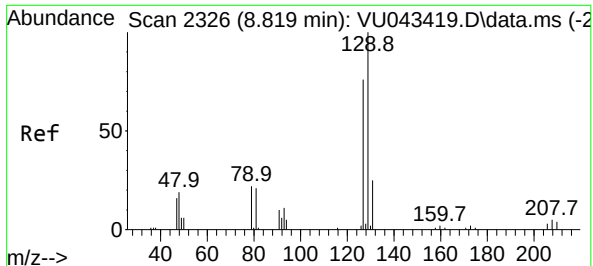


#48
2-Hexanone
Concen: 1.17 ug/L
RT: 8.716 min Scan# 2294
Delta R.T. 0.019 min
Lab File: VU043435.D
Acq: 29 Apr 2021 19:16



Tgt Ion: 43 Resp: 4760
Ion Ratio Lower Upper
43 100
58 0.0 50.0 75.0#
57 0.0 17.4 26.0#
100 4.1 11.8 17.8#





#49

Dibromochloromethane

Concen: 25.76 ug/L

RT: 8.584 min Scan# 2253

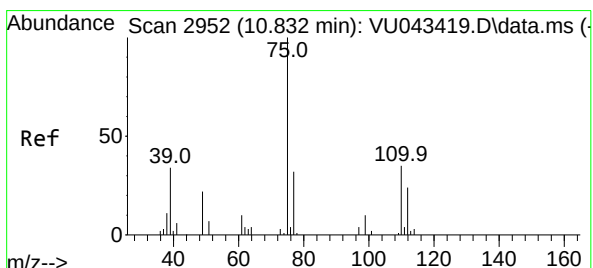
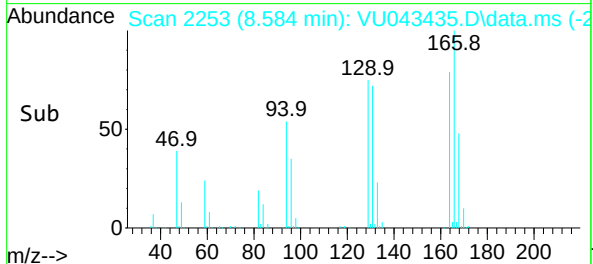
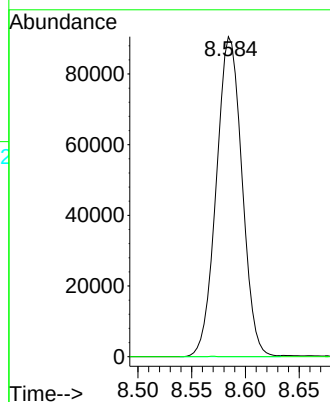
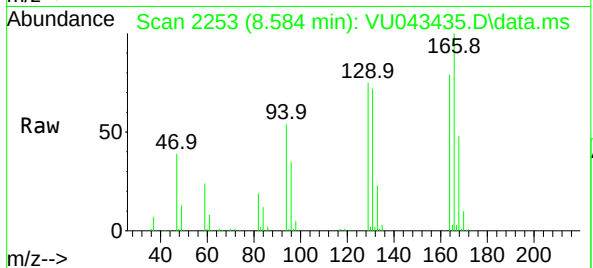
Delta R.T. -0.235 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 150511
Ion Ratio Lower Upper
129 100
127 0.0 56.6 105.2#



#61

1,2,3-Trichloropropane

Concen: 1.22 ug/L

RT: 11.822 min Scan# 3260

Delta R.T. 0.990 min

Lab File: VU043435.D

Acq: 29 Apr 2021 19:16

Tgt Ion: 75 Resp: 4654
Ion Ratio Lower Upper
75 100
110 1.8 31.5 47.3#
77 45.1 26.3 39.5#

