

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011321\
 Data File : VU041992.D
 Acq On : 13 Jan 2021 19:53
 Operator : SY/MD
 Sample : M1027-16
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 15 01:38:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011321WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 14 17:00:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	112648	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98475	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.809	152	40804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.600	65	40776	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.919	69	41561	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.575	63	64673	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.658	46	167466	58.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.42%
24) Chloroform-d	5.079	84	90144	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.716	65	52339	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
32) Benzene-d6	5.742	84	171357	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	6.700	67	57704	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.906	98	125555	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloroprop...	8.182	79	20419	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.642	63	113353	52.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.38%
57) 1,1,2,2-Tetrachloroeth...	10.754	84	43930	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	12.188	152	44822	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

						Qvalue
3) Chloromethane	1.520	50	881	0.07	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	794	0.09	ug/L #	23
12) 1,1-Dichloroethene	2.578	96	539	0.06	ug/L #	1
13) Acetone	2.661	43	1519	0.85	ug/L	66
15) Methyl Acetate	2.935	43	478	0.11	ug/L #	51
16) Methylene chloride	3.057	84	1344	0.13	ug/L	93
17) Methyl tert-butyl Ether	3.378	73	3796	0.16	ug/L #	86
22) cis-1,2-Dichloroethene	4.681	96	1721	0.18	ug/L	81
25) Chloroform	5.102	83	1342	0.08	ug/L	98
27) 1,2-Dichloroethane	5.803	62	822	0.07	ug/L #	75
29) 1,1,1-Trichloroethane	5.340	97	1289	0.09	ug/L #	74
34) Trichloroethene	6.552	95	48978	5.38	ug/L	96
35) Methylcyclohexane	6.703	83	12963	0.90	ug/L #	16
37) 1,2-Dichloropropane	6.700	63	6052	0.64	ug/L #	90
39) cis-1,3-Dichloropropene	7.574	75	1181	0.08	ug/L #	68
44) trans-1,3-Dichloropropene	8.189	75	1002	0.08	ug/L	99
47) Tetrachloroethene	8.555	164	16043	2.72	ug/L	97
48) 2-Hexanone	8.642	43	12567	2.85	ug/L #	70
49) Dibromochloromethane	8.558	129	16906	2.32	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jan 14 17:00:00 2021
Response via : Initial Calibration

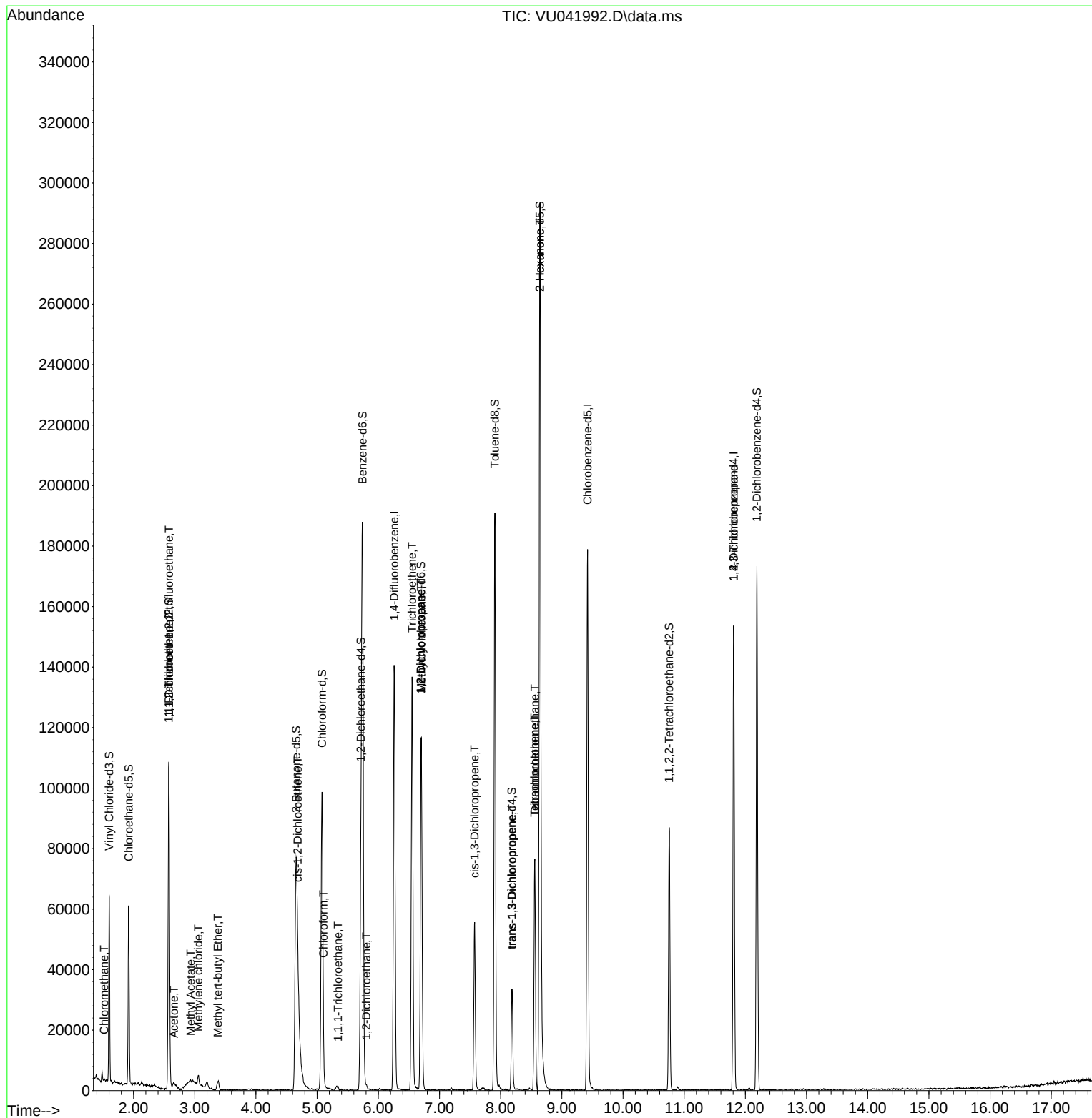
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.809	75	5319	0.85	ug/L	98

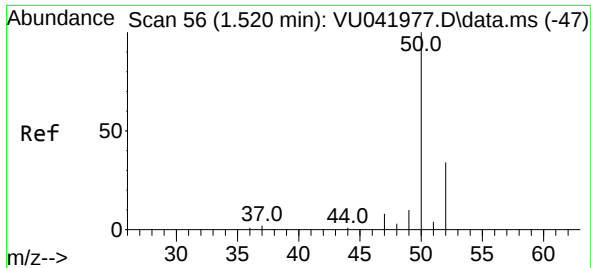
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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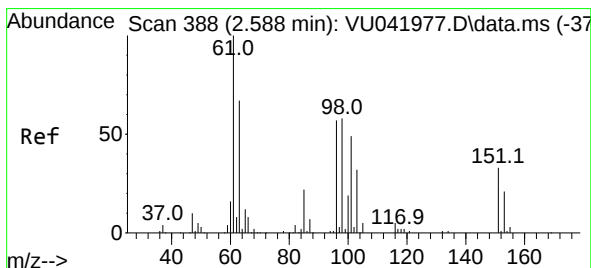
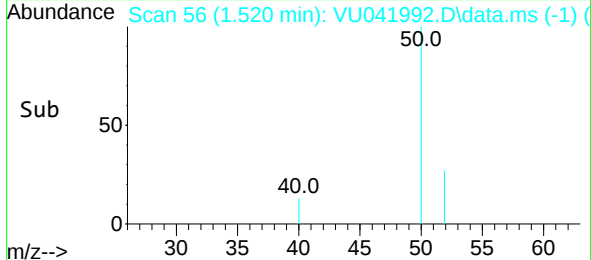
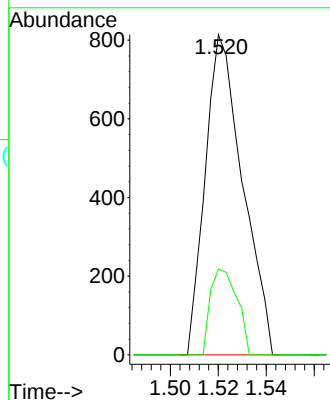
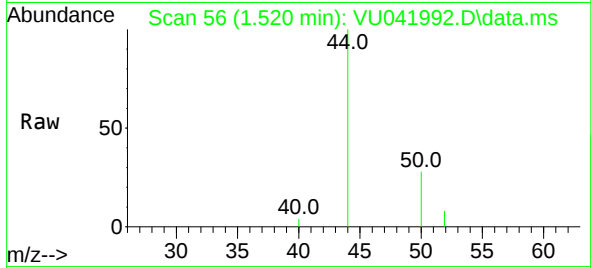




#3
Chloromethane
Concen: 0.07 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

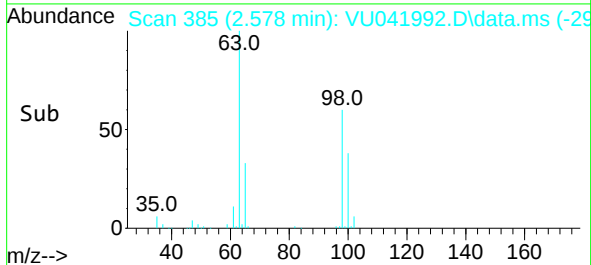
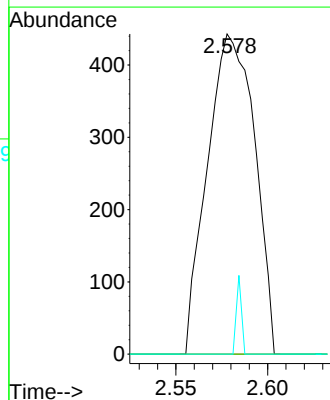
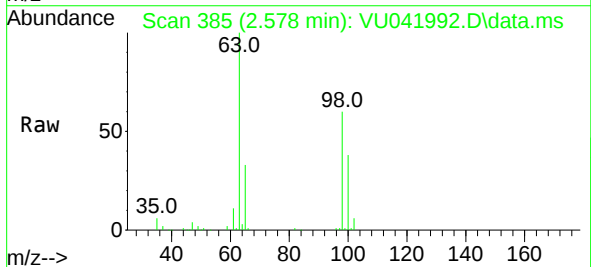
Instrument :
MSVOA_U
ClientSampled :

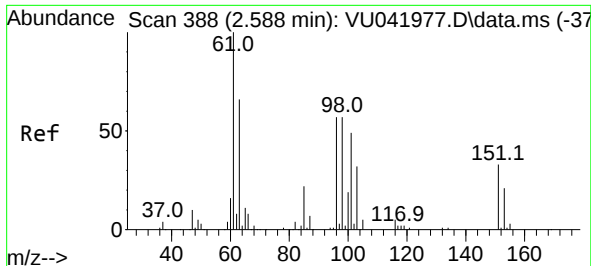
Tgt Ion: 50 Resp: 881
Ion Ratio Lower Upper
50 100
52 26.8 23.5 43.7



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.09 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 101 Resp: 794
Ion Ratio Lower Upper
101 100
85 0.0 35.9 53.9#
151 2.6 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 0.06 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.010 min

Lab File: VU041992.D

Acq: 13 Jan 2021 19:53

Tgt Ion: 96 Resp: 539

Ion Ratio Lower Upper

96 100

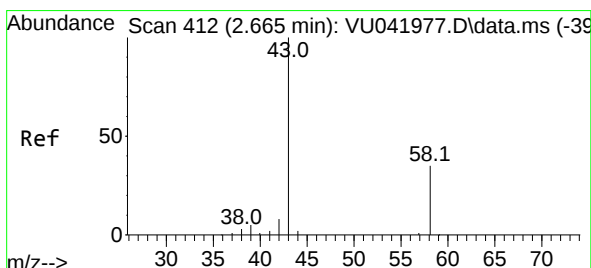
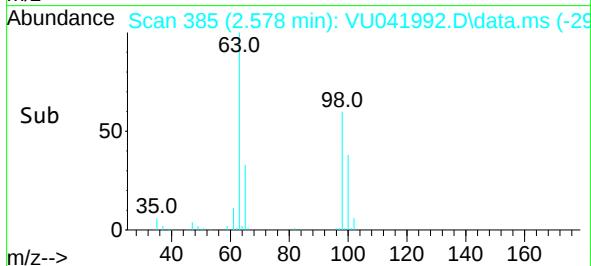
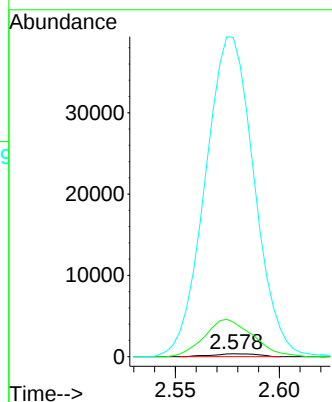
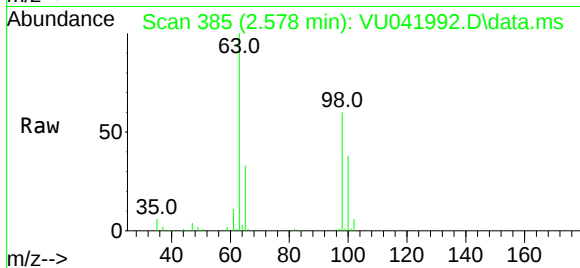
61 1221.6 122.2 226.9#

63 11282.8 82.8 153.8#

Instrument :

MSVOA_U

ClientSampled :



#13

Acetone

Concen: 0.85 ug/L

RT: 2.661 min Scan# 411

Delta R.T. -0.003 min

Lab File: VU041992.D

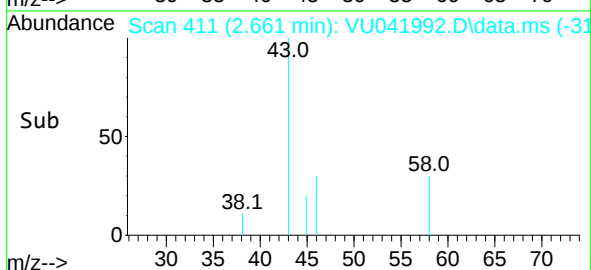
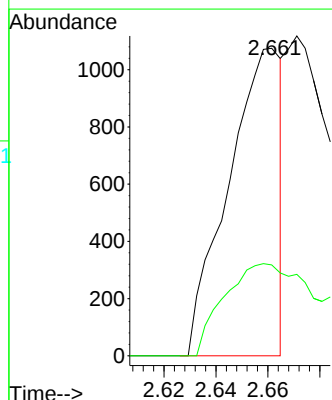
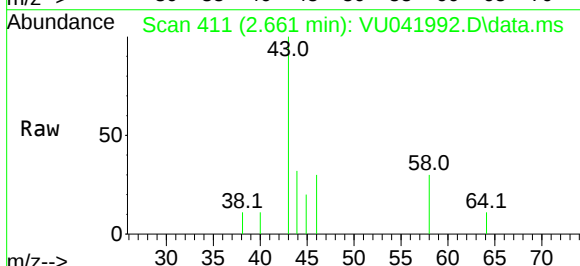
Acq: 13 Jan 2021 19:53

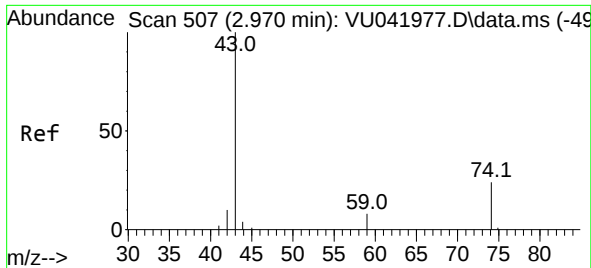
Tgt Ion: 43 Resp: 1519

Ion Ratio Lower Upper

43 100

58 47.0 0.0 57.4

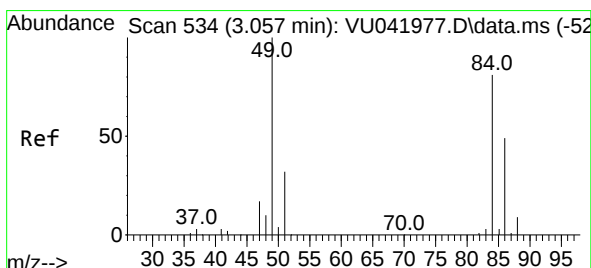
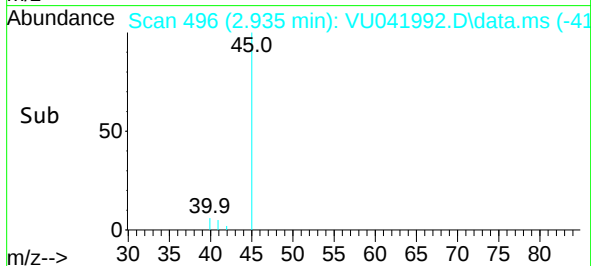
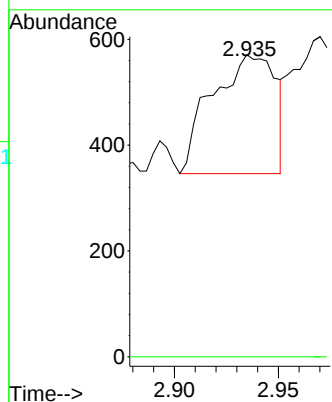
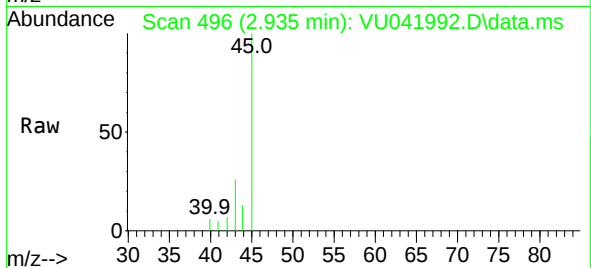




#15
Methyl Acetate
Concen: 0.11 ug/L
RT: 2.935 min Scan# 496
Delta R.T. -0.036 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

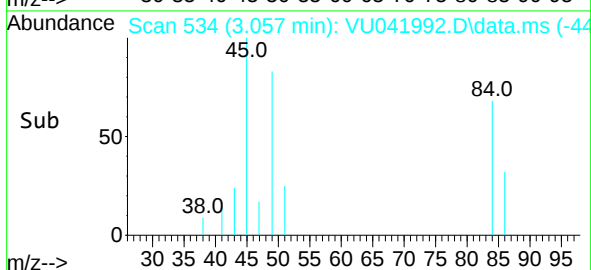
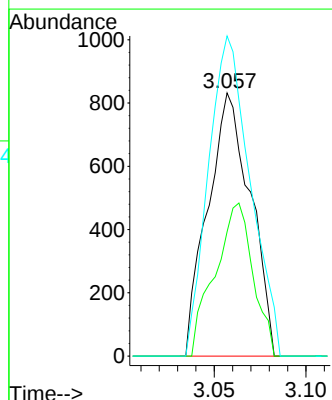
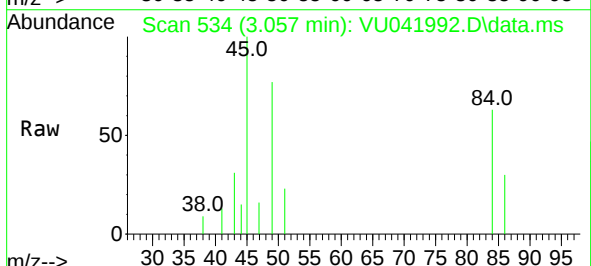
Instrument :
MSVOA_U
ClientSampled :

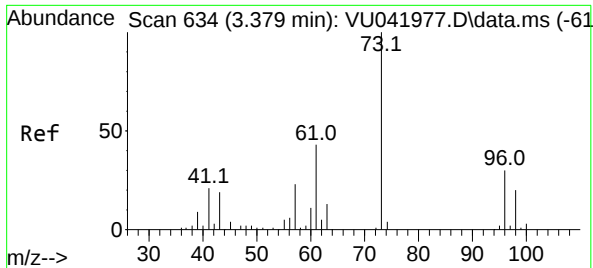
Tgt Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#16
Methylene chloride
Concen: 0.13 ug/L
RT: 3.057 min Scan# 534
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 84 Resp: 1344
Ion Ratio Lower Upper
84 100
86 47.2 42.6 79.0
49 121.6 86.2 160.0



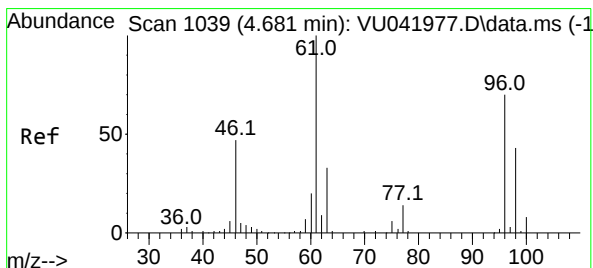
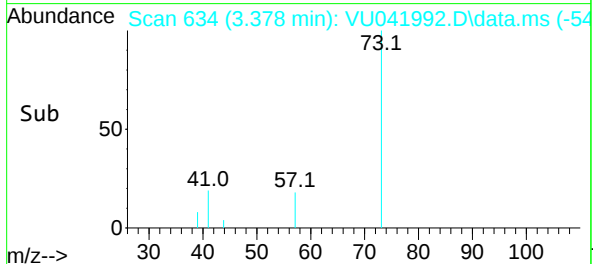
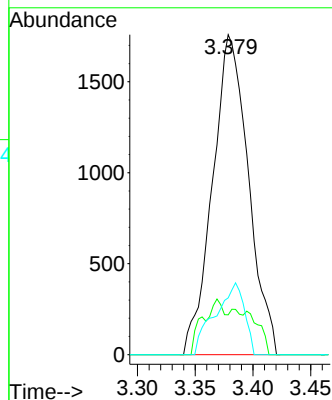
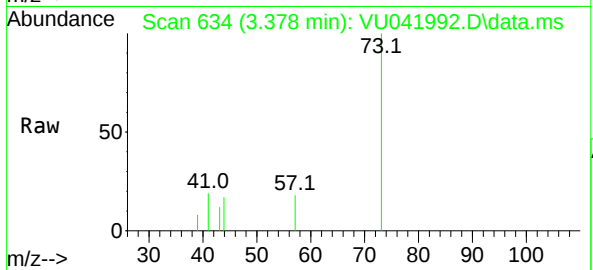


#17

Methyl tert-butyl Ether
Concen: 0.16 ug/L
RT: 3.378 min Scan# 634
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Instrument :
MSVOA_U
ClientSampleId :

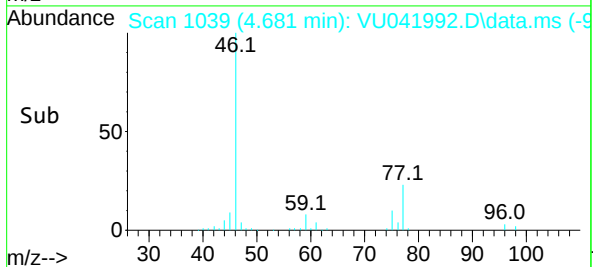
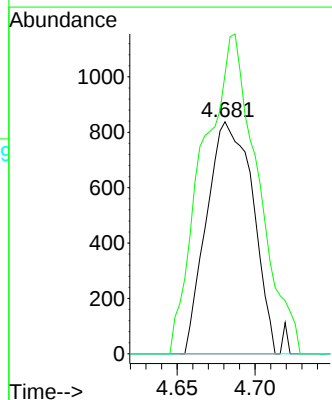
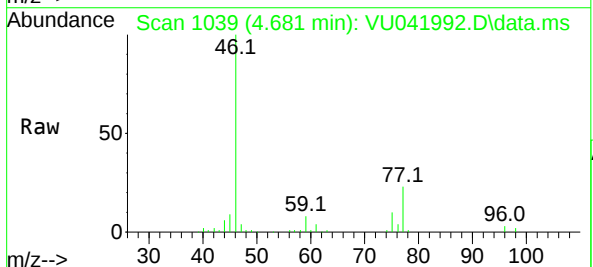
Tgt Ion: 73 Resp: 3796
Ion Ratio Lower Upper
73 100
43 10.2 15.1 22.7#
57 18.3 18.0 27.0

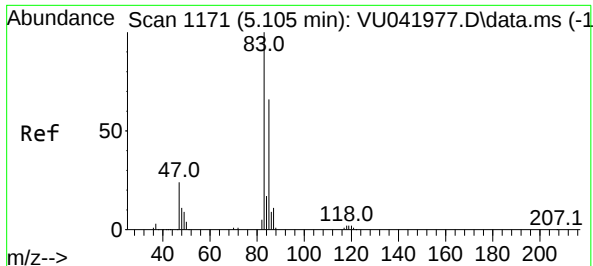


#22

cis-1,2-Dichloroethene
Concen: 0.18 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 96 Resp: 1721
Ion Ratio Lower Upper
96 100
61 120.4 100.3 186.3
68 0.0 0.0 0.0



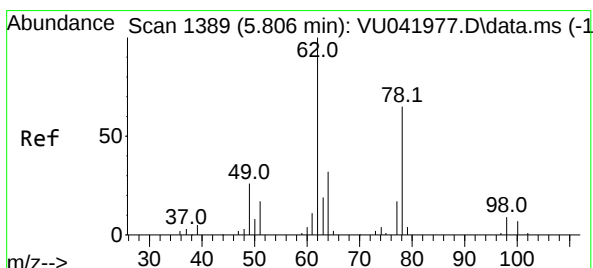
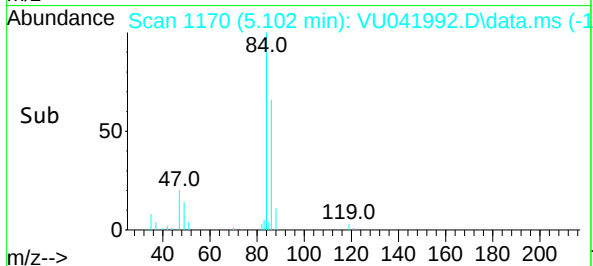
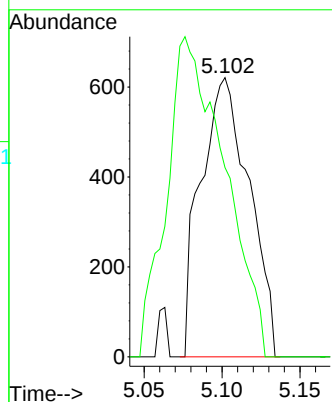
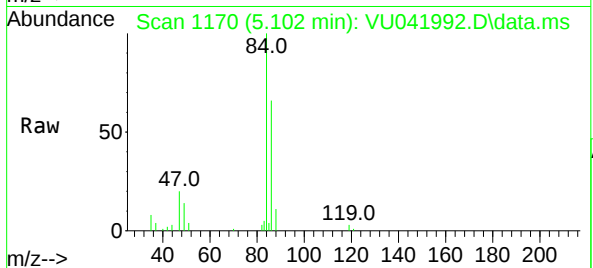


#25

Chloroform
Concen: 0.08 ug/L
RT: 5.102 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Instrument :
MSVOA_U
ClientSampleId :

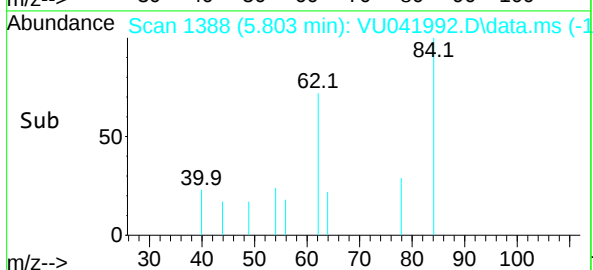
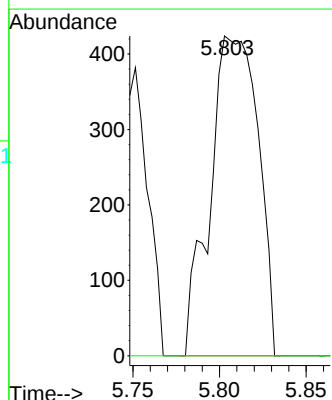
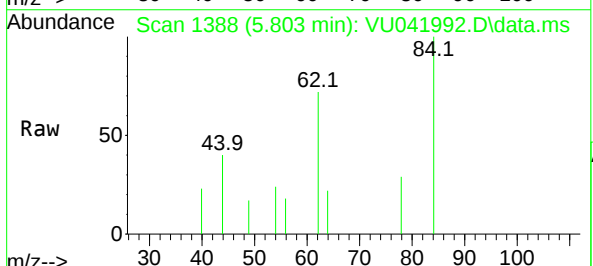
Tgt Ion: 83 Resp: 1342
Ion Ratio Lower Upper
83 100
85 67.8 46.1 85.7

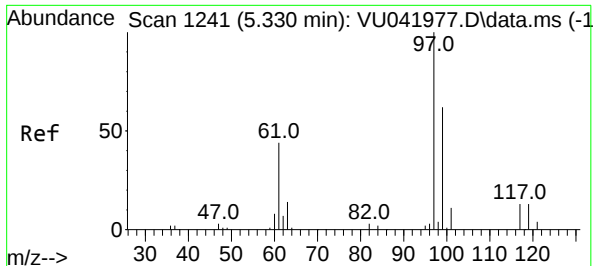


#27

1,2-Dichloroethane
Concen: 0.07 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 62 Resp: 822
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#



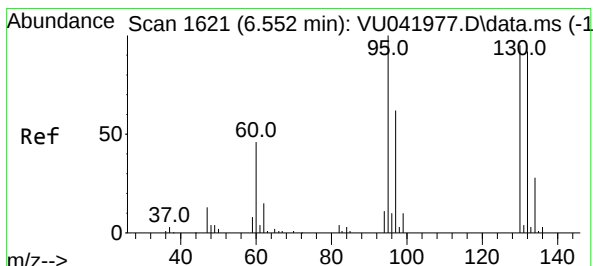
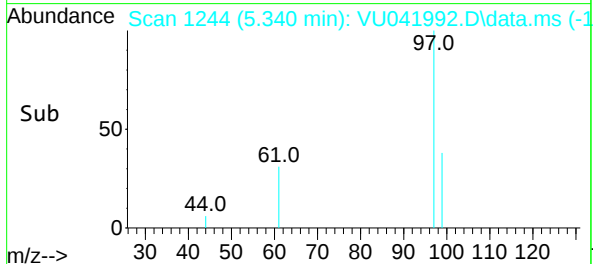
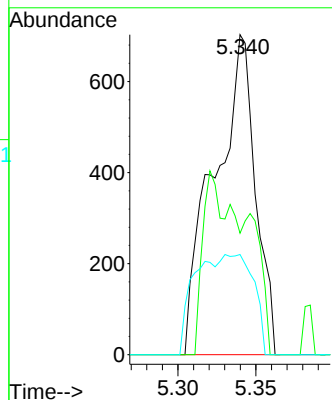
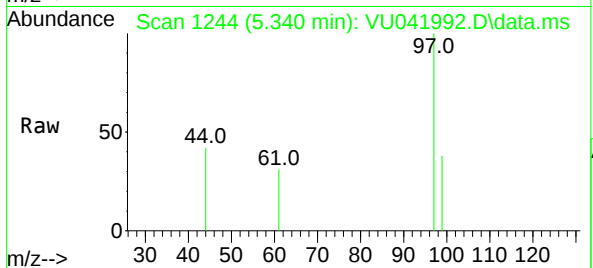


#29

1,1,1-Trichloroethane
Concen: 0.09 ug/L
RT: 5.340 min Scan# 1244
Delta R.T. 0.009 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Instrument :
MSVOA_U
ClientSampleId :

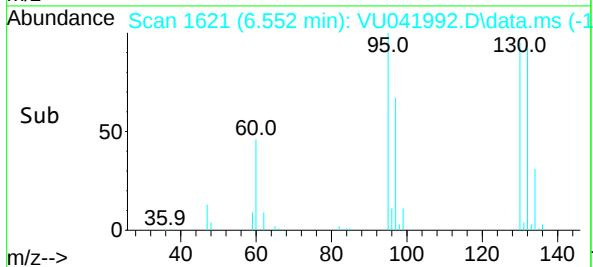
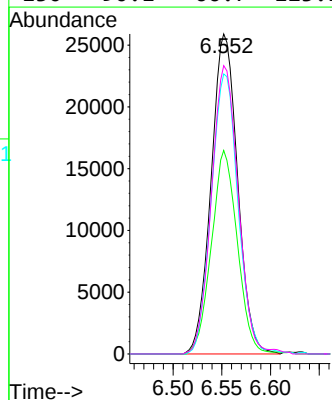
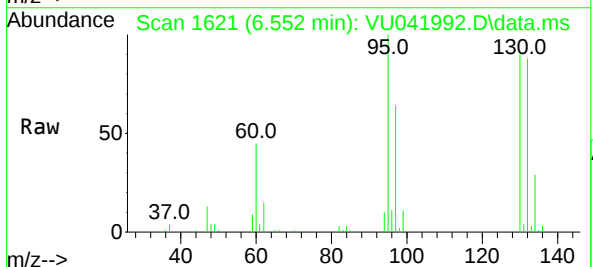
Tgt Ion: 97 Resp: 1289
Ion Ratio Lower Upper
97 100
99 28.3 50.2 75.4#
61 44.4 35.8 53.6

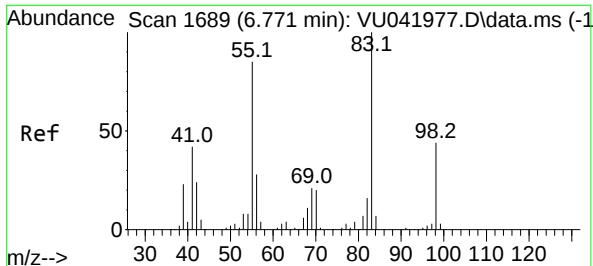


#34

Trichloroethene
Concen: 5.38 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 95 Resp: 48978
Ion Ratio Lower Upper
95 100
97 63.6 43.6 81.0
132 87.5 64.3 119.3
130 90.1 66.7 123.9





#35

Methylcyclohexane

Concen: 0.90 ug/L

RT: 6.703 min Scan# 1668

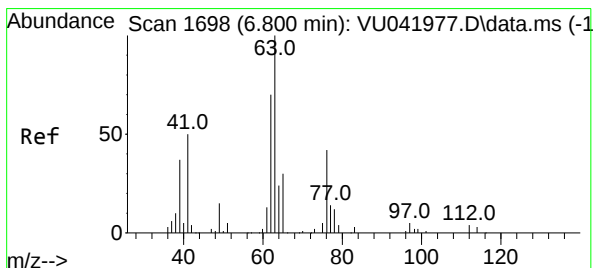
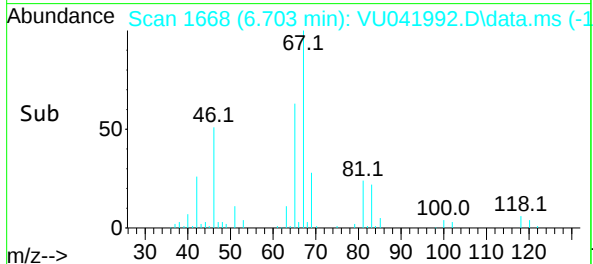
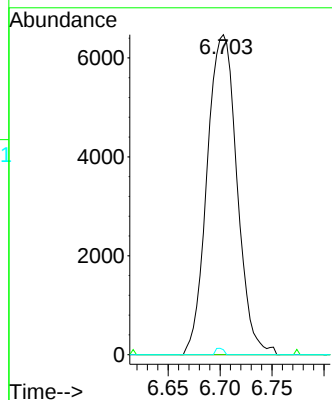
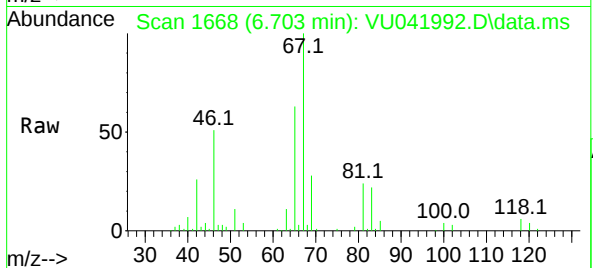
Delta R.T. -0.068 min

Lab File: VU041992.D

Acq: 13 Jan 2021 19:53

Tgt Ion:	83	Resp:	12963
Ion	Ratio	Lower	Upper
83	100		
55	0.2	66.8	100.2#
98	0.5	35.7	53.5#

Instrument :
MSVOA_U
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.64 ug/L

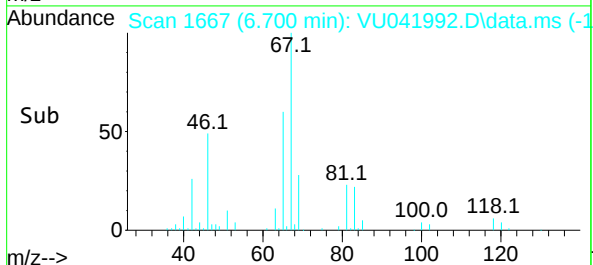
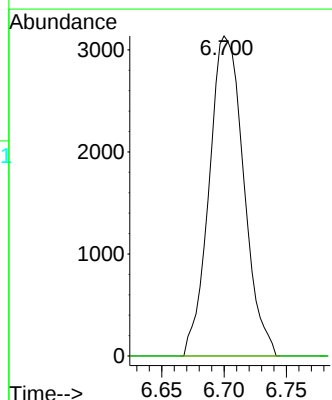
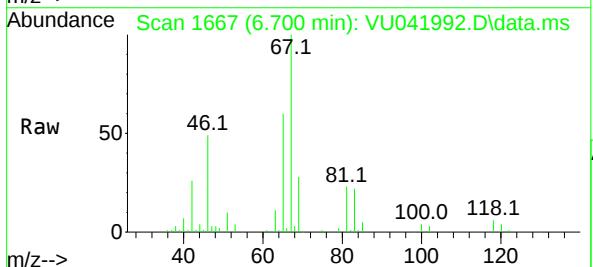
RT: 6.700 min Scan# 1667

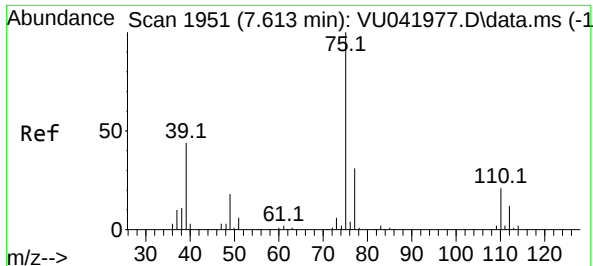
Delta R.T. -0.100 min

Lab File: VU041992.D

Acq: 13 Jan 2021 19:53

Tgt Ion:	63	Resp:	6052
Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.7	4.1#



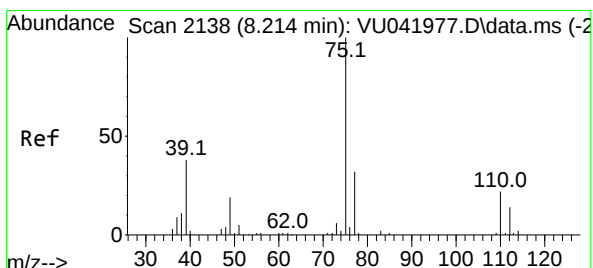
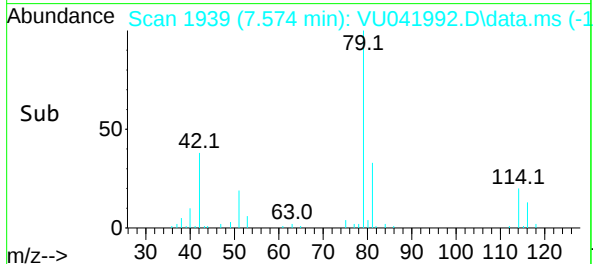
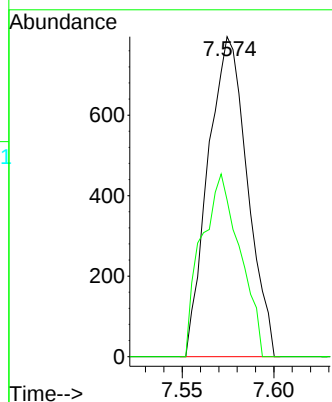
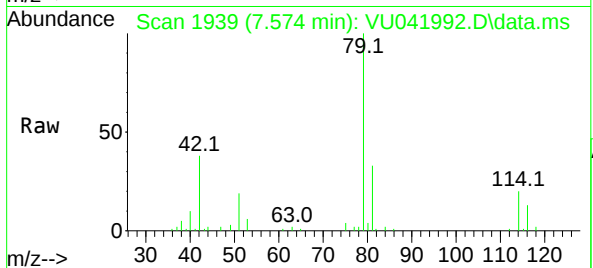


#39

cis-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.574 min Scan# 1939
Delta R.T. -0.039 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Instrument :
MSVOA_U
ClientSampleId :

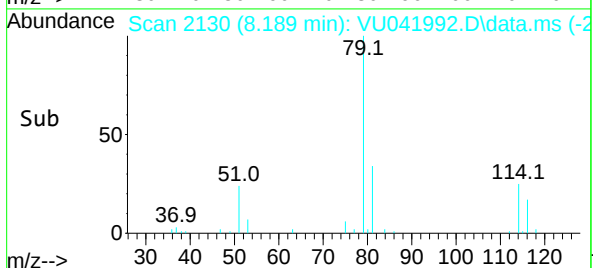
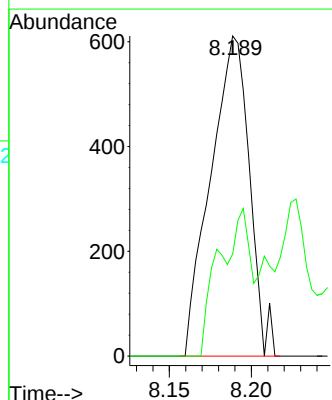
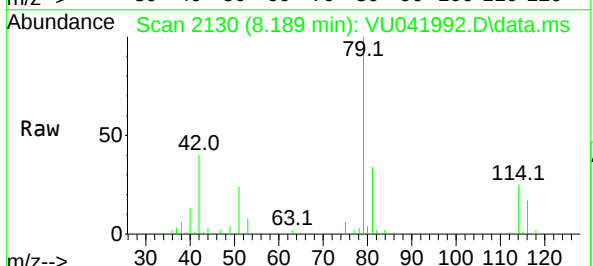
Tgt Ion: 75 Resp: 1181
Ion Ratio Lower Upper
75 100
77 48.9 21.9 40.7#

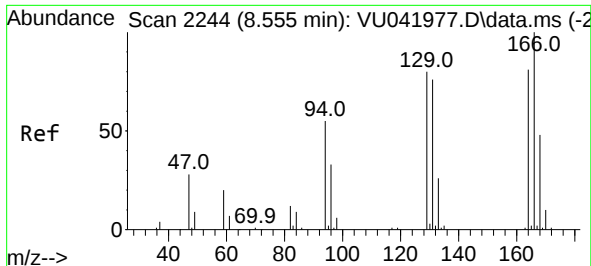


#44

trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 8.189 min Scan# 2130
Delta R.T. -0.026 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

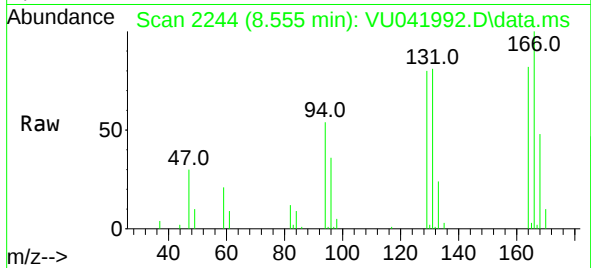
Tgt Ion: 75 Resp: 1002
Ion Ratio Lower Upper
75 100
77 31.9 22.0 41.0



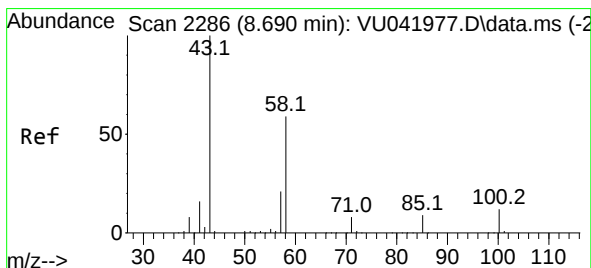
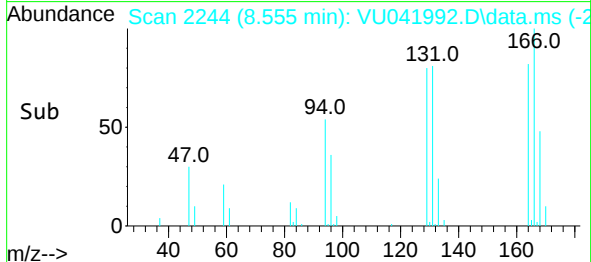
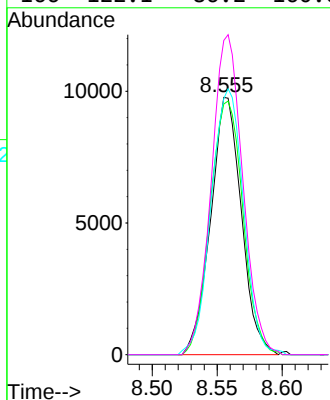


#47
Tetrachloroethene
Concen: 2.72 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

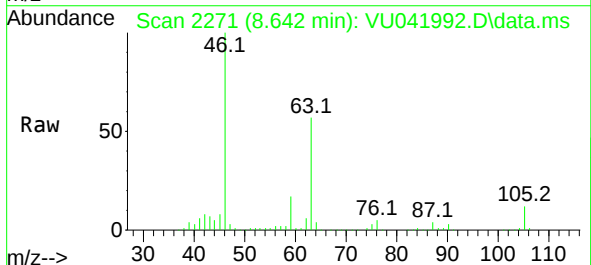
Instrument :
MSVOA_U
ClientSampleId :



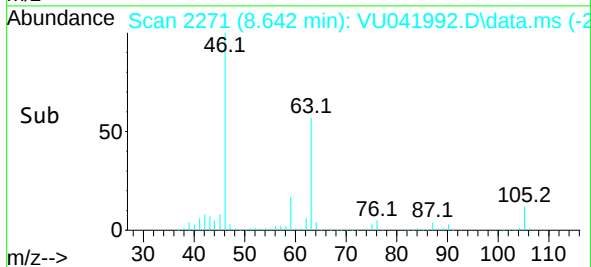
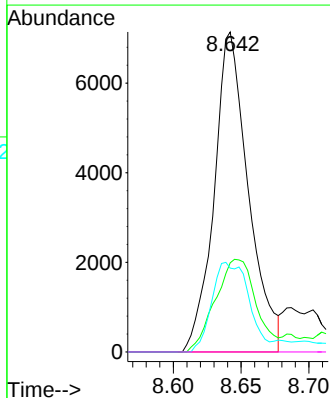
Tgt Ion	Ratio	Lower	Upper
164	100		
129	97.4	68.7	127.5
131	99.5	65.2	121.0
166	122.1	86.2	160.0

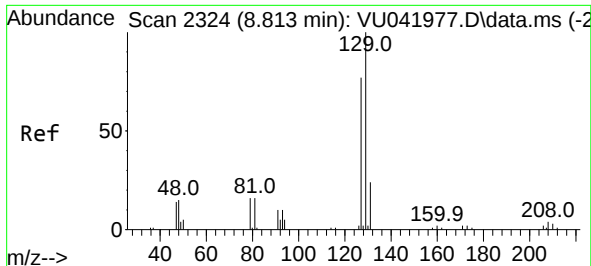


#48
2-Hexanone
Concen: 2.85 ug/L
RT: 8.642 min Scan# 2271
Delta R.T. -0.048 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53



Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	47.8	71.8#
57	30.2	17.4	26.0#
100	0.0	9.5	14.3#

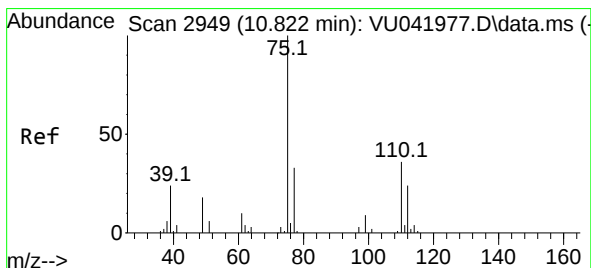
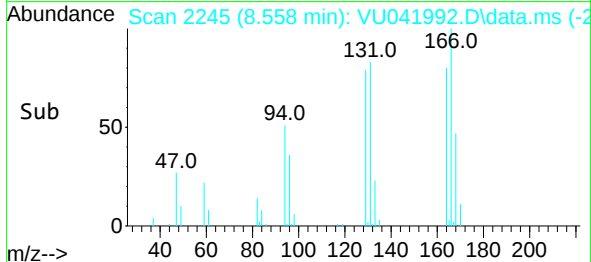
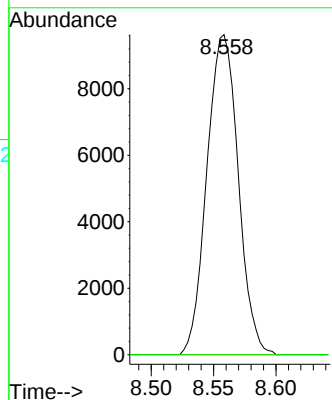
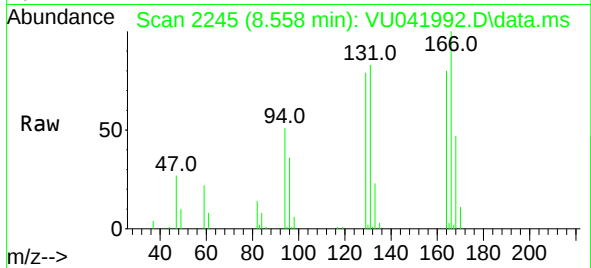




#49
Dibromochloromethane
Concen: 2.32 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion:129 Resp: 16906
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#



#59
1,2,3-Trichloropropane
Concen: 0.85 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.987 min
Lab File: VU041992.D
Acq: 13 Jan 2021 19:53

Tgt Ion: 75 Resp: 5319
Ion Ratio Lower Upper
75 100
77 31.1 25.6 38.4

