

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041026.D
 Acq On : 29 Oct 2020 20:13
 Operator : SY/MD
 Sample : L4558-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ1

Quant Time: Oct 30 08:15:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51994	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52662	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15441	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.92	69	13067	3.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.80%
11) 1,1-Dichloroethene-d2	2.58	63	27753	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.67	46	82472	57.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.66%
24) Chloroform-d	5.08	84	34158	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.72	65	23265	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.74	84	59646	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.70	67	22801	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	47986	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.19	79	8541	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.64	63	54938	51.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20711	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	18898	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	518	0.105 ug/L	89
9) Trichlorofluoromethane	2.15	101	12922	1.947 ug/L	100
12) 1,1-Dichloroethene	2.59	96	5306	1.445 ug/L #	38
13) Acetone	2.67	43	1063	1.081 ug/L	86
19) 1,1-Dichloroethane	3.89	63	659	0.088 ug/L #	51
22) cis-1,2-Dichloroethene	4.69	96	3377	0.877 ug/L	90
25) Chloroform	5.11	83	1898	0.254 ug/L	89
27) 1,2-Dichloroethane	5.81	62	8207	1.473 ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	1991	0.309 ug/L	98
33) Benzene	5.79	78	1165	0.074 ug/L	100
34) Trichloroethene	6.56	95	469091	117.141 ug/L	97
35) Methylcyclohexane	6.70	83	5049	0.845 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2629	0.617 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	639	0.109 ug/L	89
44) trans-1,3-Dichloropropene	8.19	75	471	0.086 ug/L #	41
47) Tetrachloroethene	8.56	164	8634	2.932 ug/L	97
49) Dibromochloromethane	8.56	129	9347	2.539 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103020\
Data File : VU041026.D
Acq On : 29 Oct 2020 20:13
Operator : SY/MD
Sample : L4558-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BQ1

Quant Time: Oct 30 08:15:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 08:06:28 2020
Response via : Initial Calibration

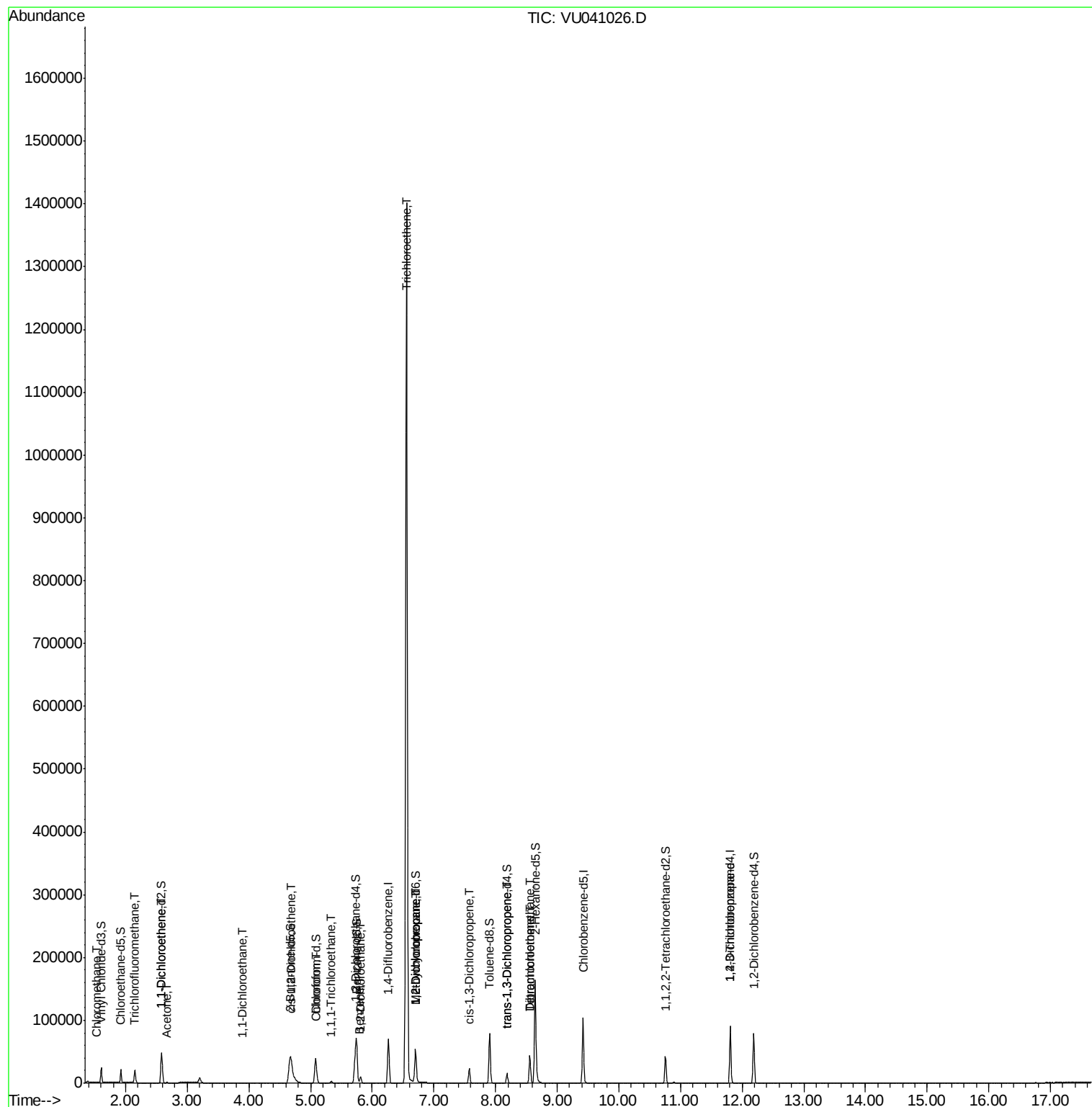
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3169	0.999	ug/L	90

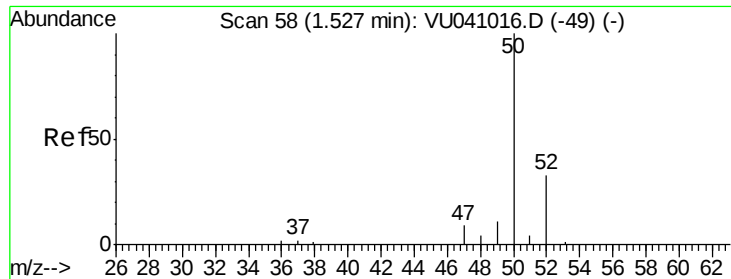
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103020\
Data File : VU041026.D
Acq On : 29 Oct 2020 20:13
Operator : SY/MD
Sample : L4558-08
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BQ1

Quant Time: Oct 30 08:15:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 30 08:06:28 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.105 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

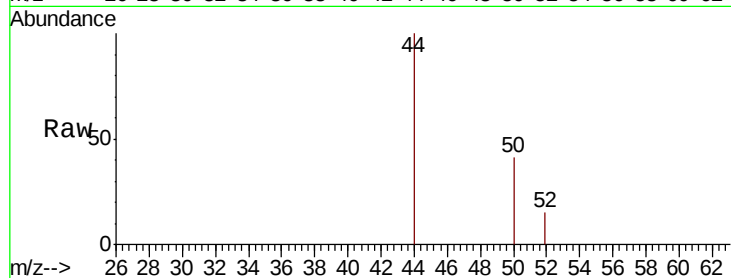
C0BQ1

Tot Ion: 50 Resp: 518

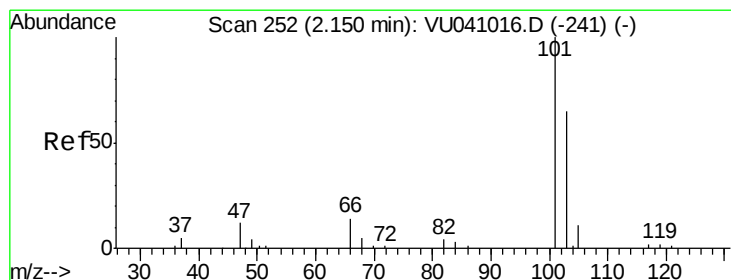
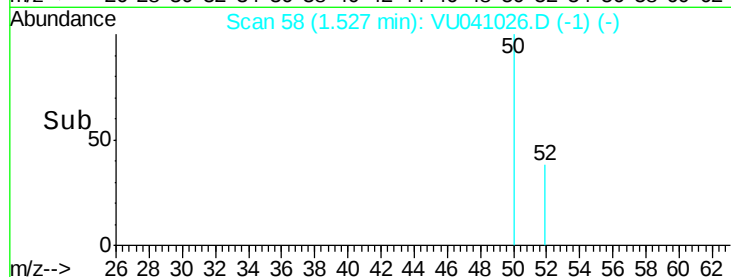
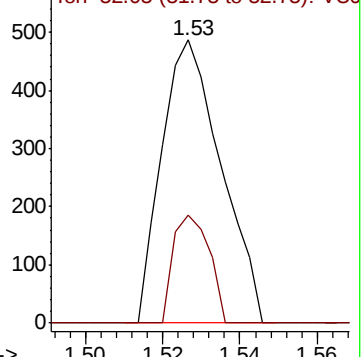
Ion Ratio Lower Upper

50 100

52 38.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041026.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 1.947 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041026.D

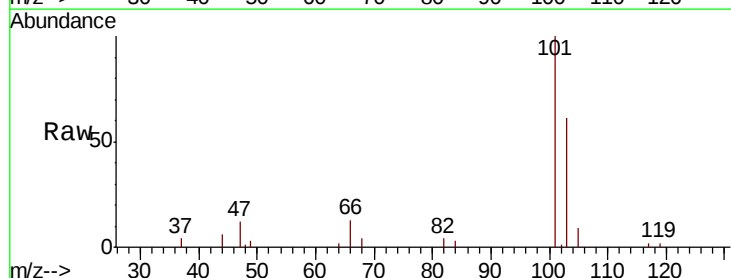
Acq: 29 Oct 2020 20:13

Tgt Ion: 101 Resp: 12922

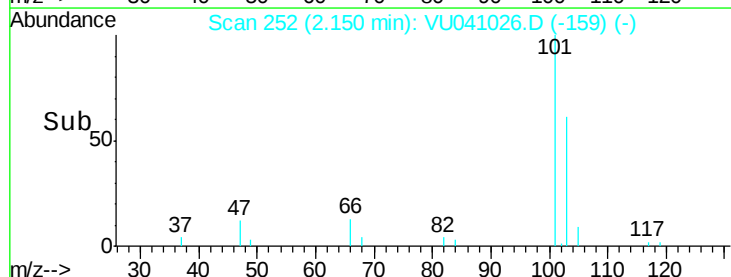
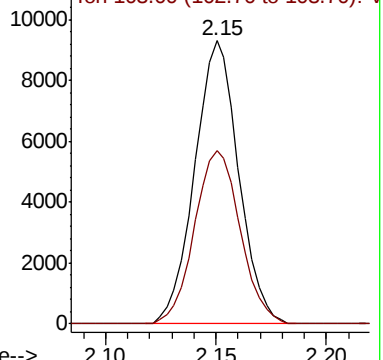
Ion Ratio Lower Upper

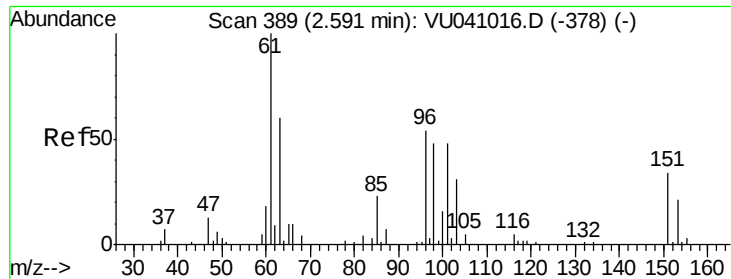
101 100

103 63.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041026.D (-159) (-)





#12

1,1-Dichloroethene

Concen: 1.445 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

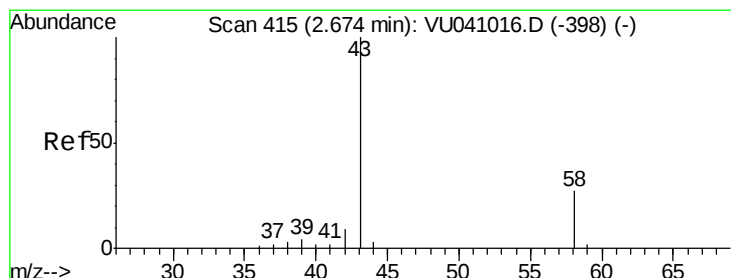
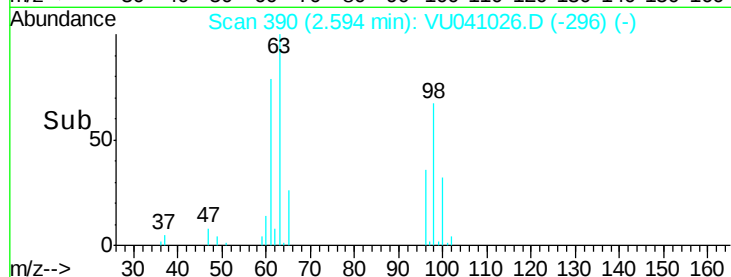
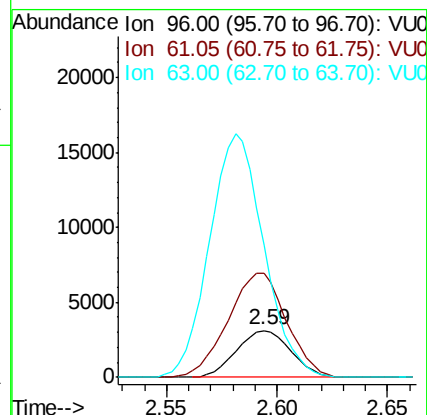
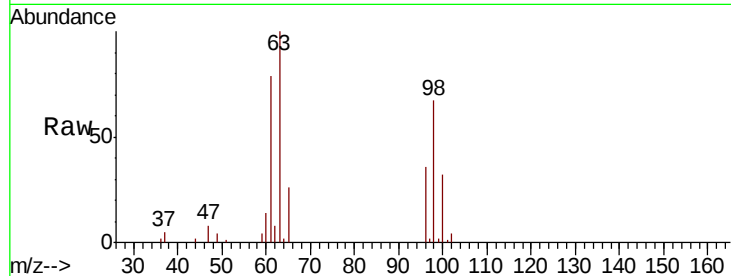
Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :
MSVOA_U
ClientSampleId :
C0BQ1

Tot Ion: 96 Resp: 5306

Ion	Ratio	Lower	Upper
96	100		
61	220.5	134.3	249.5
63	280.5	95.0	176.4



#13

Acetone

Concen: 1.081 ug/L

RT: 2.67 min Scan# 413

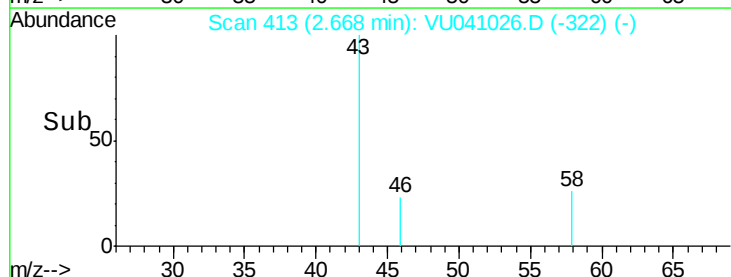
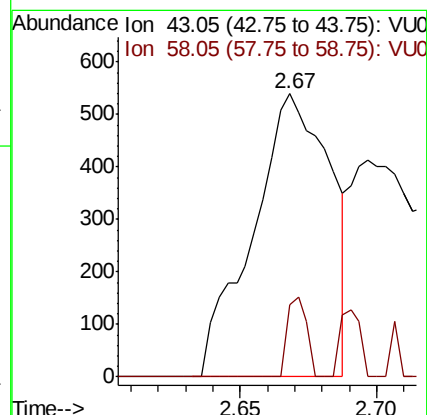
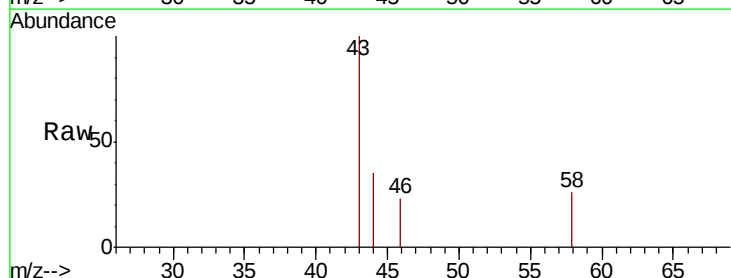
Delta R.T. -0.01 min

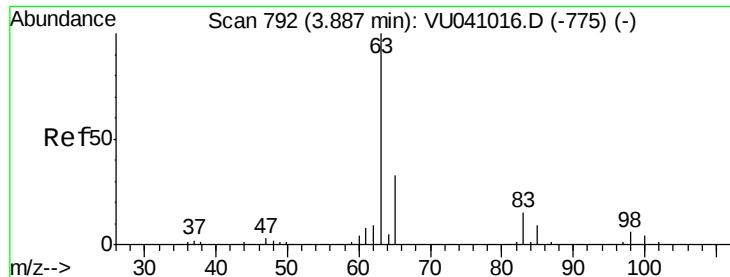
Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Tgt Ion: 43 Resp: 1063

Ion	Ratio	Lower	Upper
43	100		
58	7.2	0.0	25.4

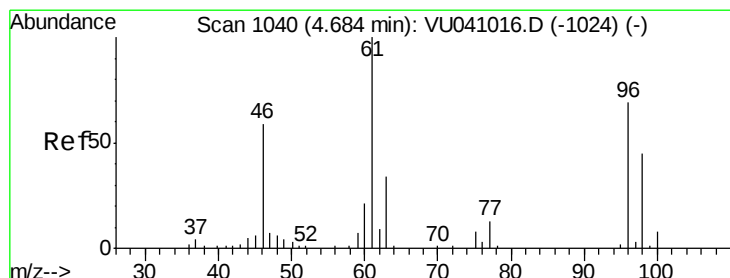
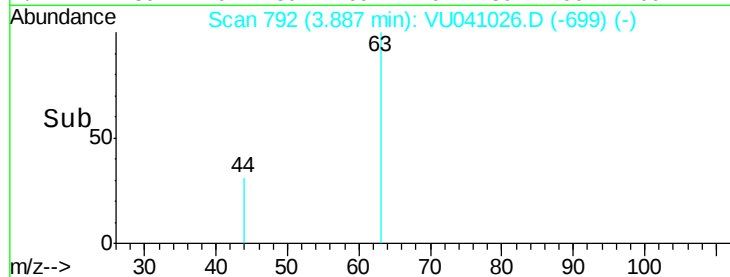
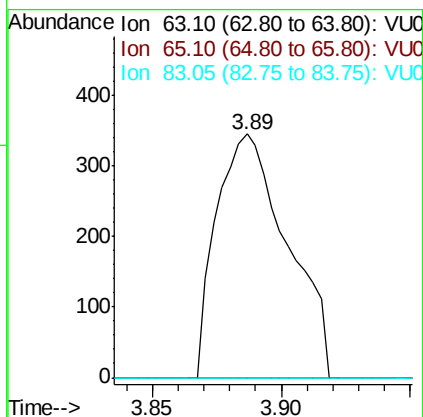
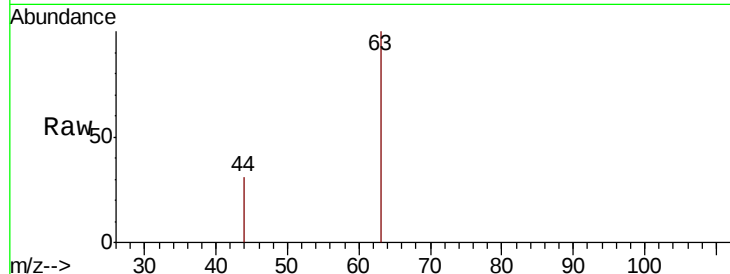




#19
 1,1-Dichloroethane
 Concen: 0.088 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041026.D
 Acq: 29 Oct 2020 20:13

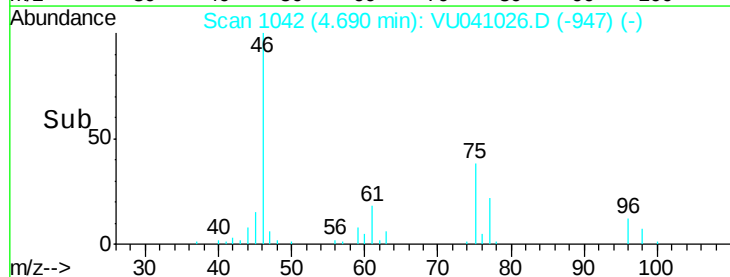
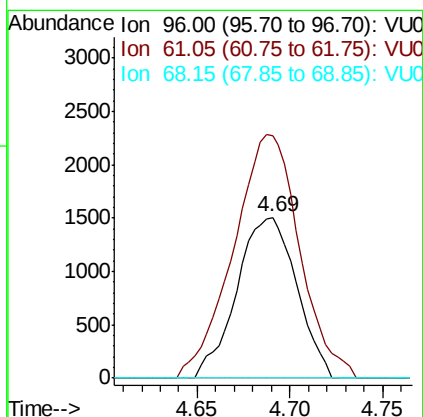
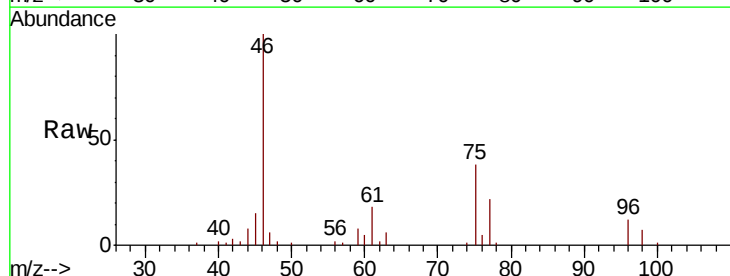
Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ1

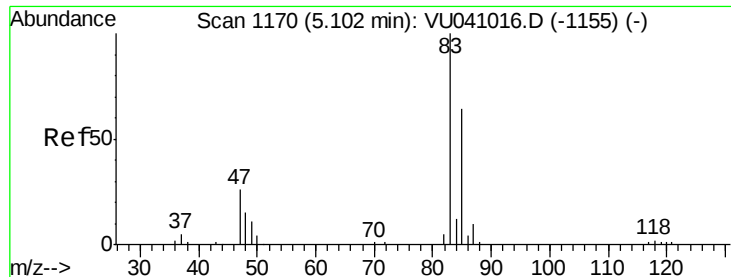
Tot Ion: 63 Resp: 659
 Ion Ratio Lower Upper
 63 100
 65 0.0 21.3 39.6#
 83 0.0 8.8 16.3#



#22
 cis-1,2-Dichloroethene
 Concen: 0.877 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU041026.D
 Acq: 29 Oct 2020 20:13

Tgt Ion: 96 Resp: 3377
 Ion Ratio Lower Upper
 96 100
 61 150.6 97.2 180.4
 68 0.0 0.0 0.0

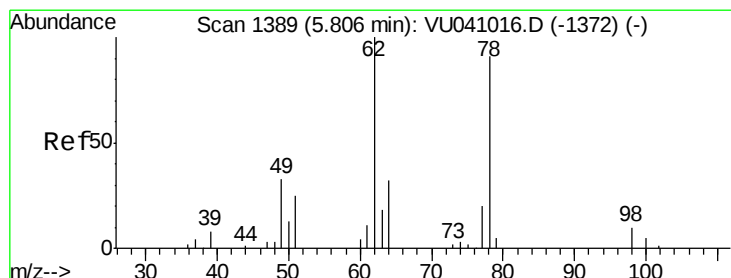
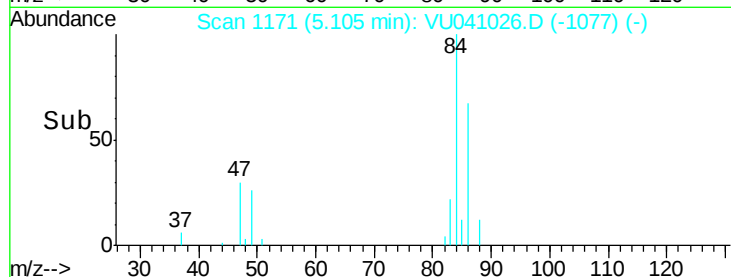
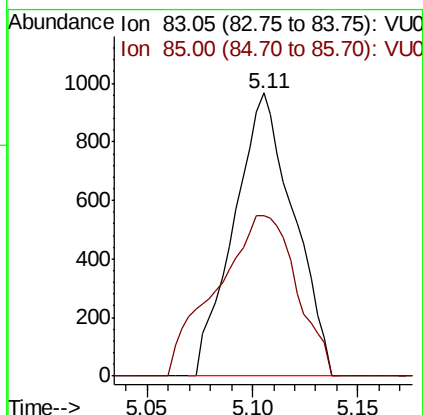
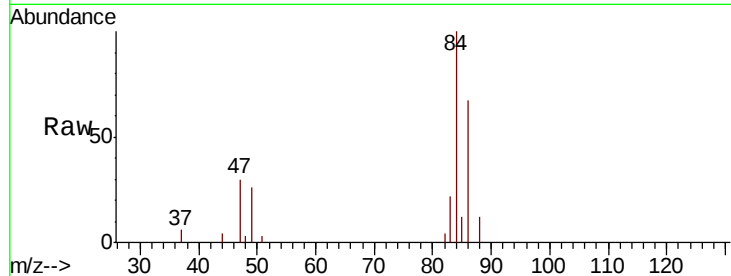




#25
Chloroform
Concen: 0.254 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041026.D
Acq: 29 Oct 2020 20:13

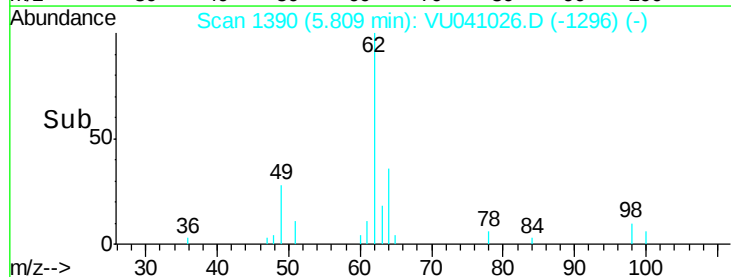
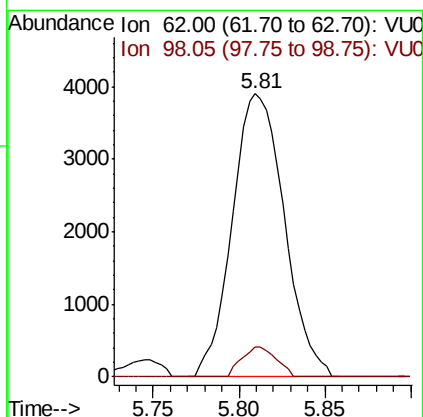
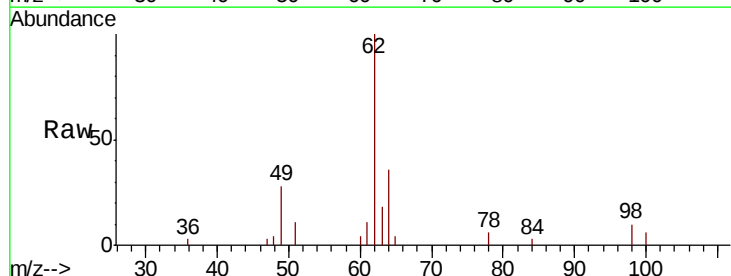
Instrument :
MSVOA_U
ClientSampleId :
C0BQ1

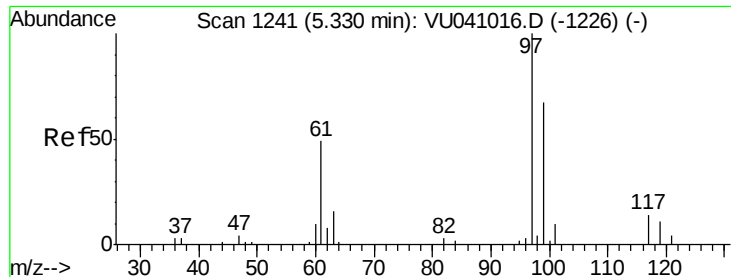
Tot Ion: 83 Resp: 1898
Ion Ratio Lower Upper
83 100
85 56.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 1.473 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041026.D
Acq: 29 Oct 2020 20:13

Tgt Ion: 62 Resp: 8207
Ion Ratio Lower Upper
62 100
98 10.4 7.6 11.4

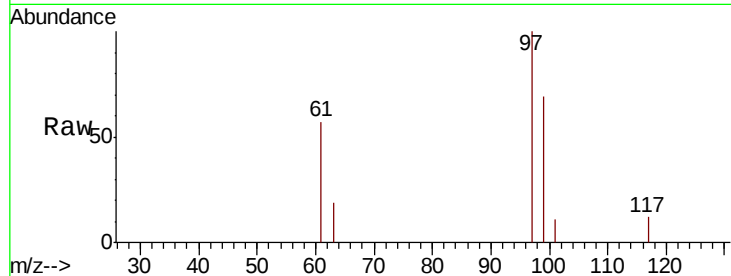




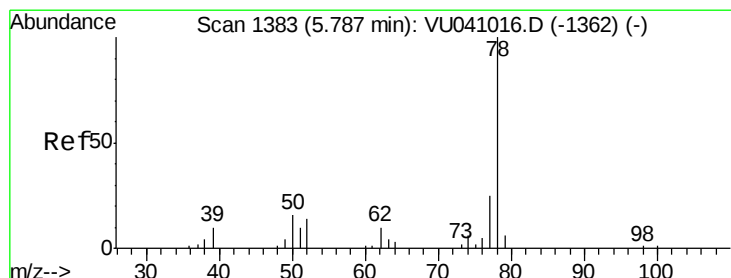
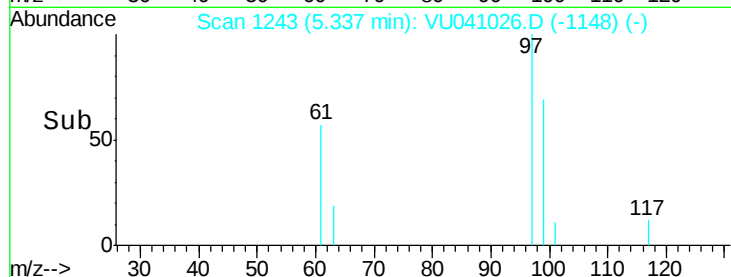
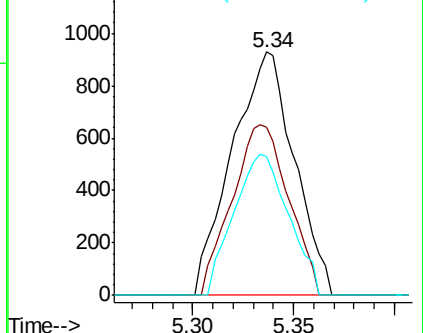
#29
 1,1,1-Trichloroethane
 Concen: 0.309 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041026.D
 Acq: 29 Oct 2020 20:13

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BQ1

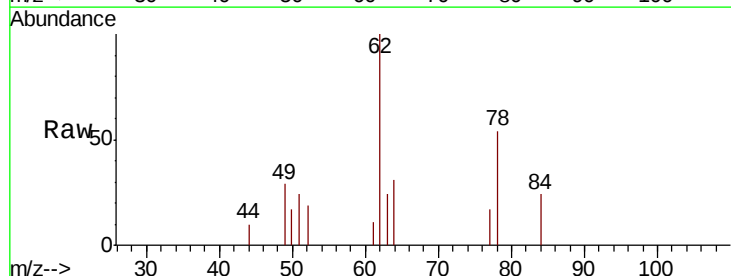
Tot Ion: 97 Resp: 1991
 Ion Ratio Lower Upper
 97 100
 99 64.0 53.4 80.0
 61 51.3 41.6 62.4



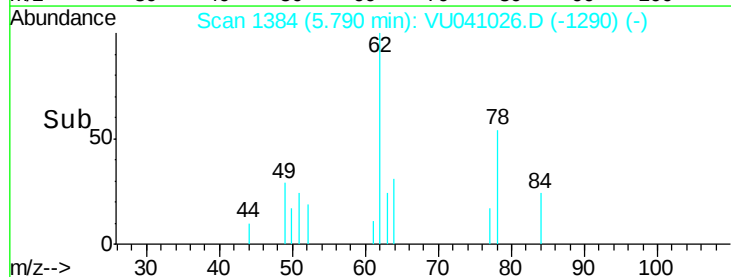
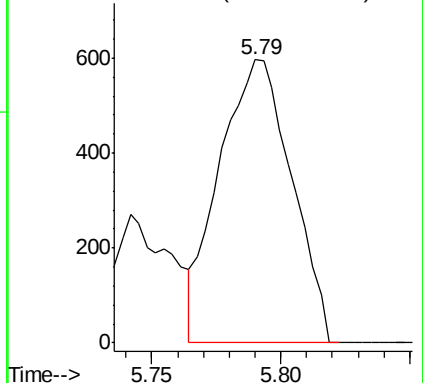
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

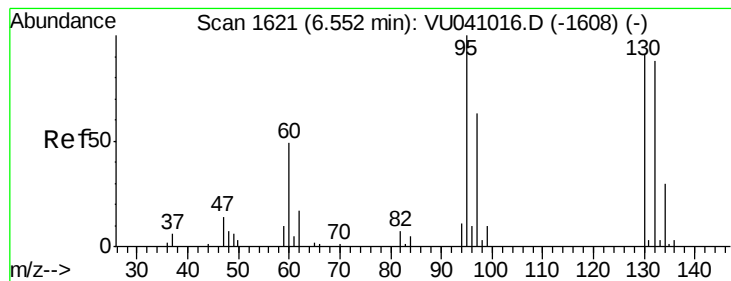


#33
 Benzene
 Concen: 0.074 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: VU041026.D
 Acq: 29 Oct 2020 20:13
 Tgt Ion: 78 Resp: 1165



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 117.141 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

C0BQ1

Tot Ion: 95 Resp: 469091

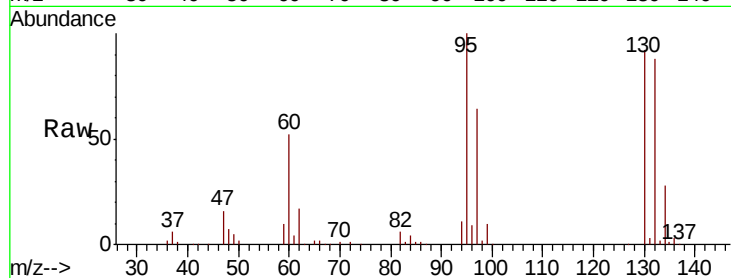
Ion Ratio Lower Upper

95 100

97 63.7 45.6 84.6

132 88.2 64.8 120.4

130 91.6 64.8 120.4

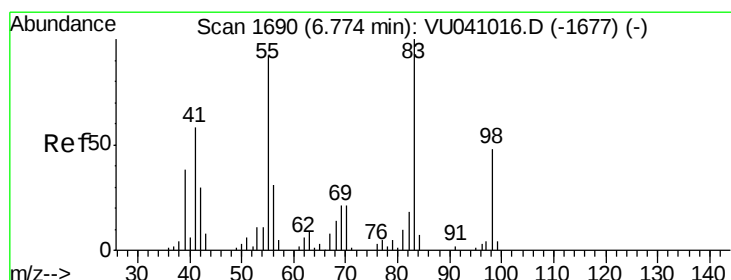
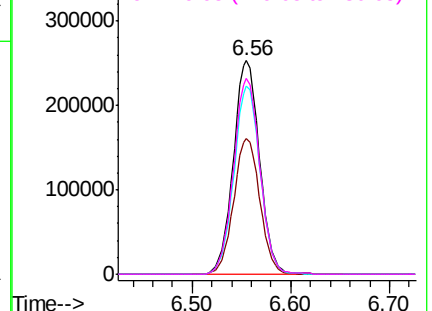
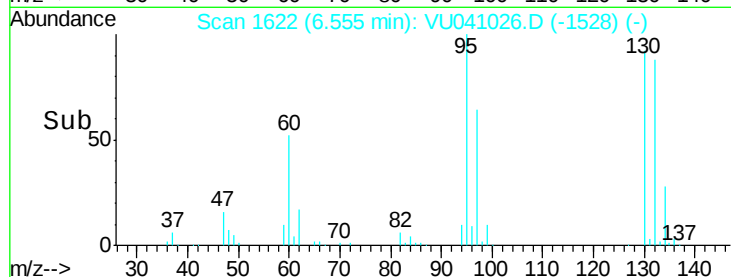


Abundance Ion 95.00 (94.70 to 95.70): VU041026.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041026.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU041026.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041026.D (-1528) (-)



#35

Methylcyclohexane

Concen: 0.845 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

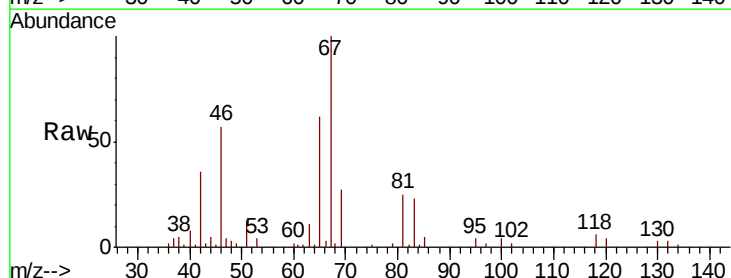
Tgt Ion: 83 Resp: 5049

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

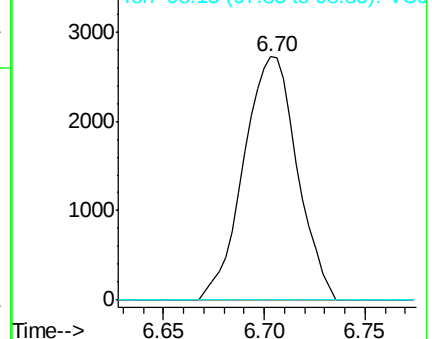
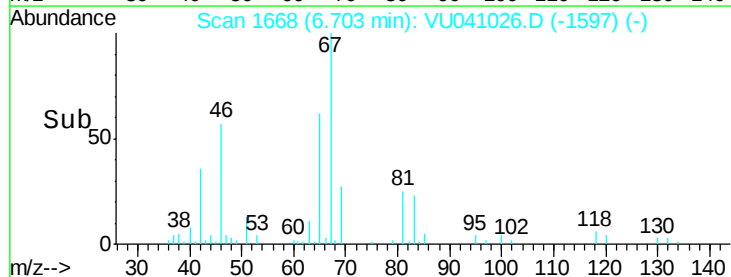
98 0.0 36.6 55.0#

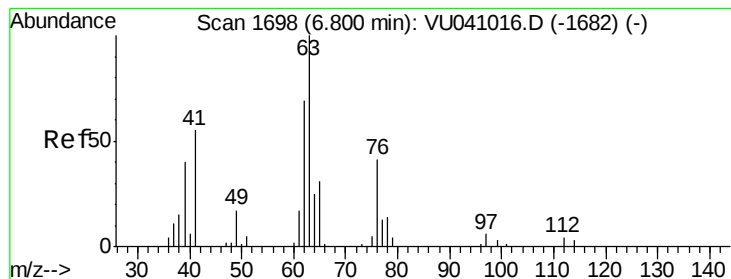


Abundance Ion 83.15 (82.85 to 83.85): VU041026.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041026.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041026.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.617 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

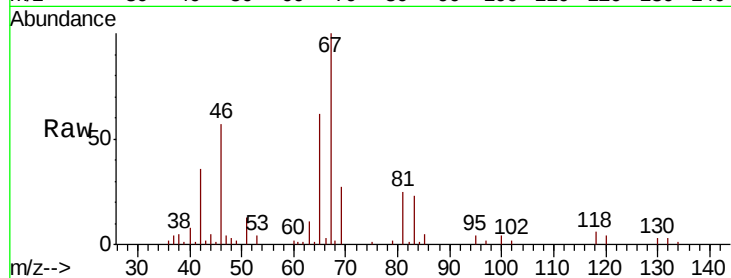
C0BQ1

Tot Ion: 63 Resp: 2629

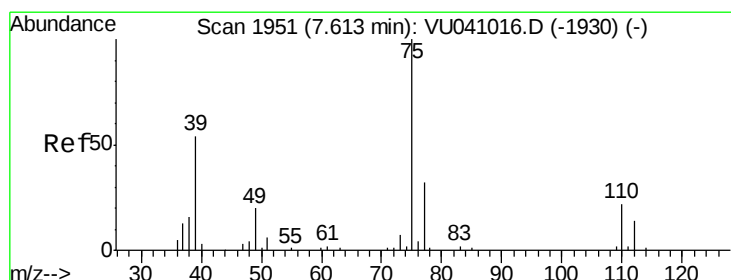
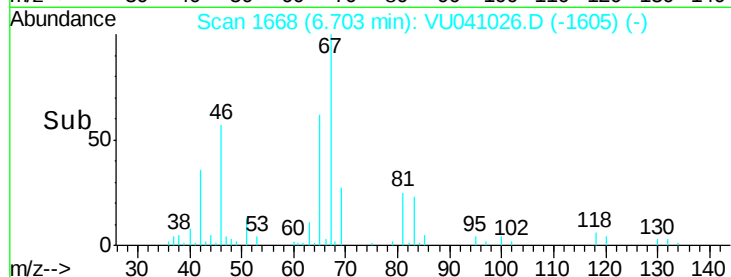
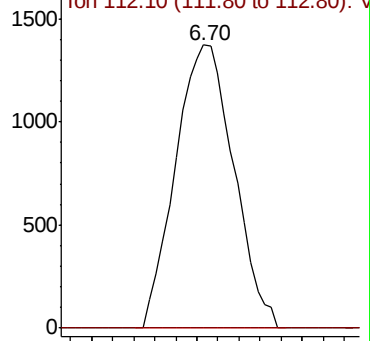
Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041016.D (-1682) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041026.D

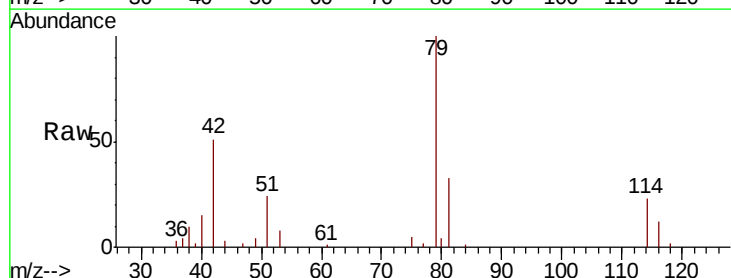
Acq: 29 Oct 2020 20:13

Tgt Ion: 75 Resp: 639

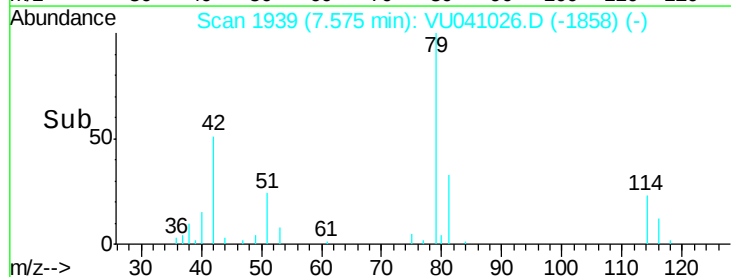
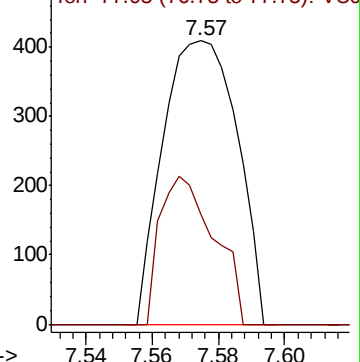
Ion Ratio Lower Upper

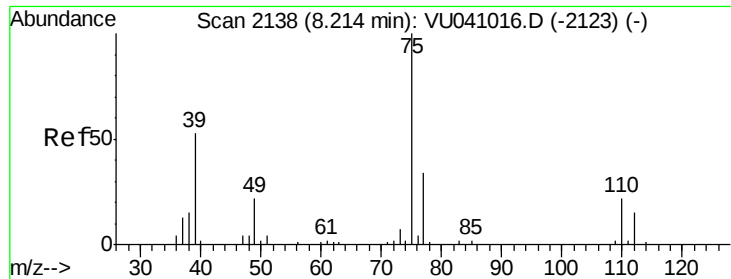
75 100

77 38.9 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041016.D (-1930) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.02 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

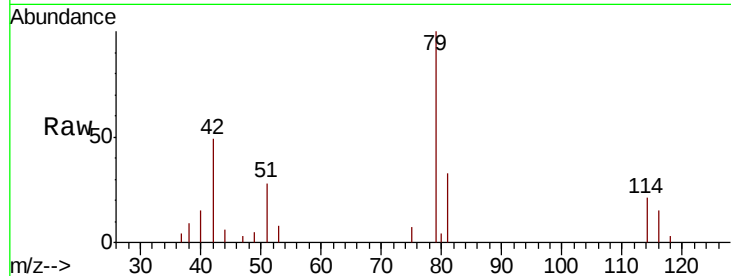
C0BQ1

Tot Ion: 75 Resp: 471

Ion Ratio Lower Upper

75 100

77 0.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

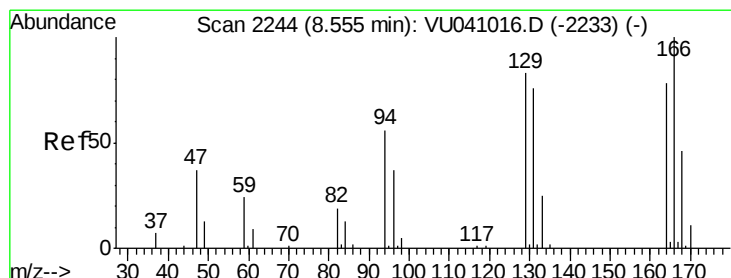
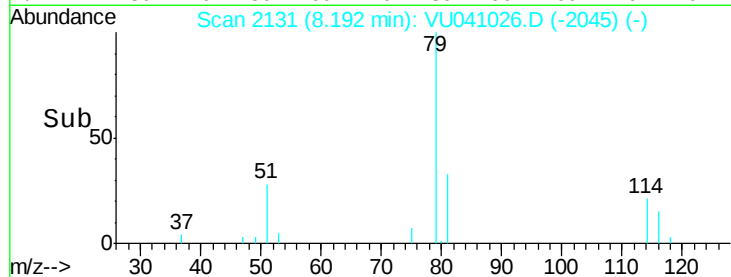
300

200

100

0

Time-->



#47

Tetrachloroethene

Concen: 2.932 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Tgt Ion:164 Resp: 8634

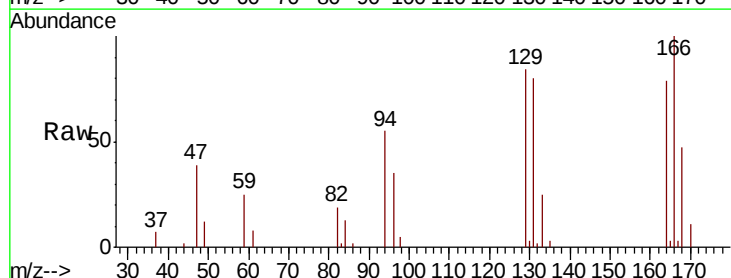
Ion Ratio Lower Upper

164 100

129 106.5 70.3 130.7

131 101.4 70.8 131.4

166 126.7 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

10000

8000

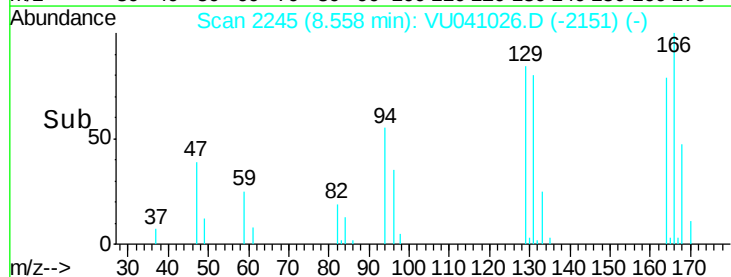
6000

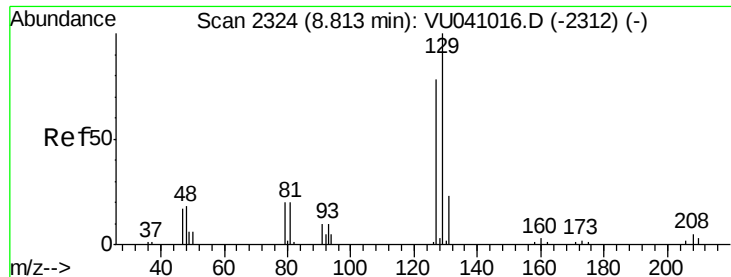
4000

2000

0

Time-->





#49

Dibromochloromethane

Concen: 2.539 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041026.D

Acq: 29 Oct 2020 20:13

Instrument :

MSVOA_U

ClientSampleId :

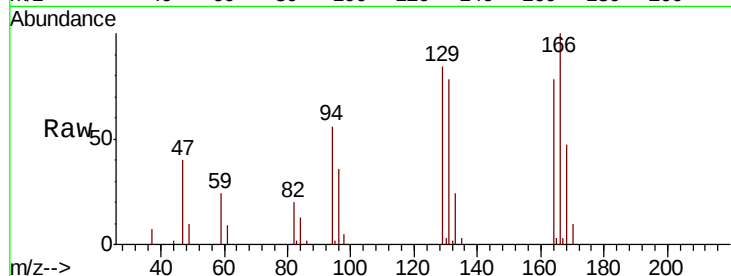
C0BQ1

Tot Ion:129 Resp: 9347

Ion Ratio Lower Upper

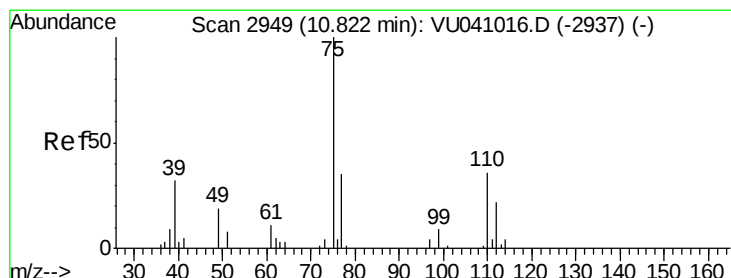
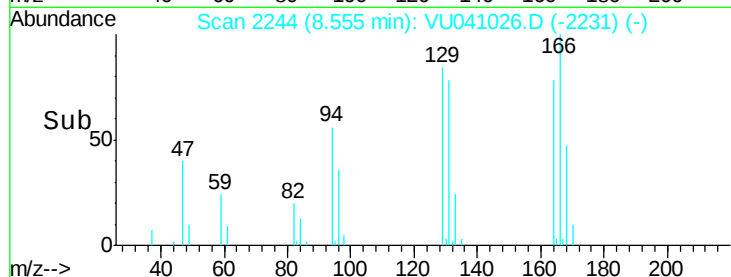
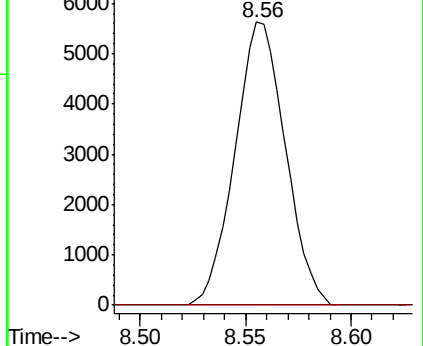
129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.999 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041026.D

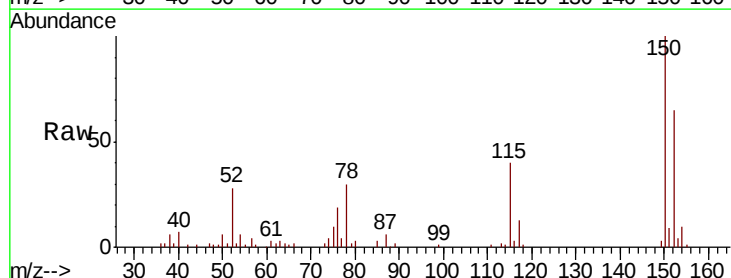
Acq: 29 Oct 2020 20:13

Tgt Ion: 75 Resp: 3169

Ion Ratio Lower Upper

75 100

77 37.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

