

Data File : VU041333.D
Acq On : 18 Nov 2020 23:46
Operator : SY/MD
Sample : L4790-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H4418

Quant Time: Nov 19 00:54:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 19 00:50:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65655	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19333	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.92	69	18156	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	33350	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	93830	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	5.08	84	50063	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	31610	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.74	84	86136	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	30670	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	70514	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	11505	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	65217	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26401	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26545	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
3) Chloromethane	1.52	50	660	0.115 ug/L	98
5) Vinyl chloride	1.61	62	35439	6.319 ug/L	98
8) Chloroethane	1.94	64	825	0.222 ug/L #	57
9) Trichlorofluoromethane	2.15	101	423	0.048 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	309	0.065 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2040	0.485 ug/L #	1
15) Methyl Acetate	3.06	43	706	0.261 ug/L #	53
17) Methyl tert-butyl Ether	3.38	73	294097	25.544 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	20476	4.999 ug/L	100
19) 1,1-Dichloroethane	3.89	63	14188	1.549 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	417105	90.168 ug/L	99
27) 1,2-Dichloroethane	5.81	62	296	0.041 ug/L #	74
33) Benzene	5.79	78	7193	0.404 ug/L	100
34) Trichloroethene	6.56	95	837138	174.090 ug/L	99
35) Methylcyclohexane	6.70	83	7248	1.135 ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3777	0.726 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	787	0.108 ug/L #	23

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111920\
Quantitation Report (Not Reviewed)

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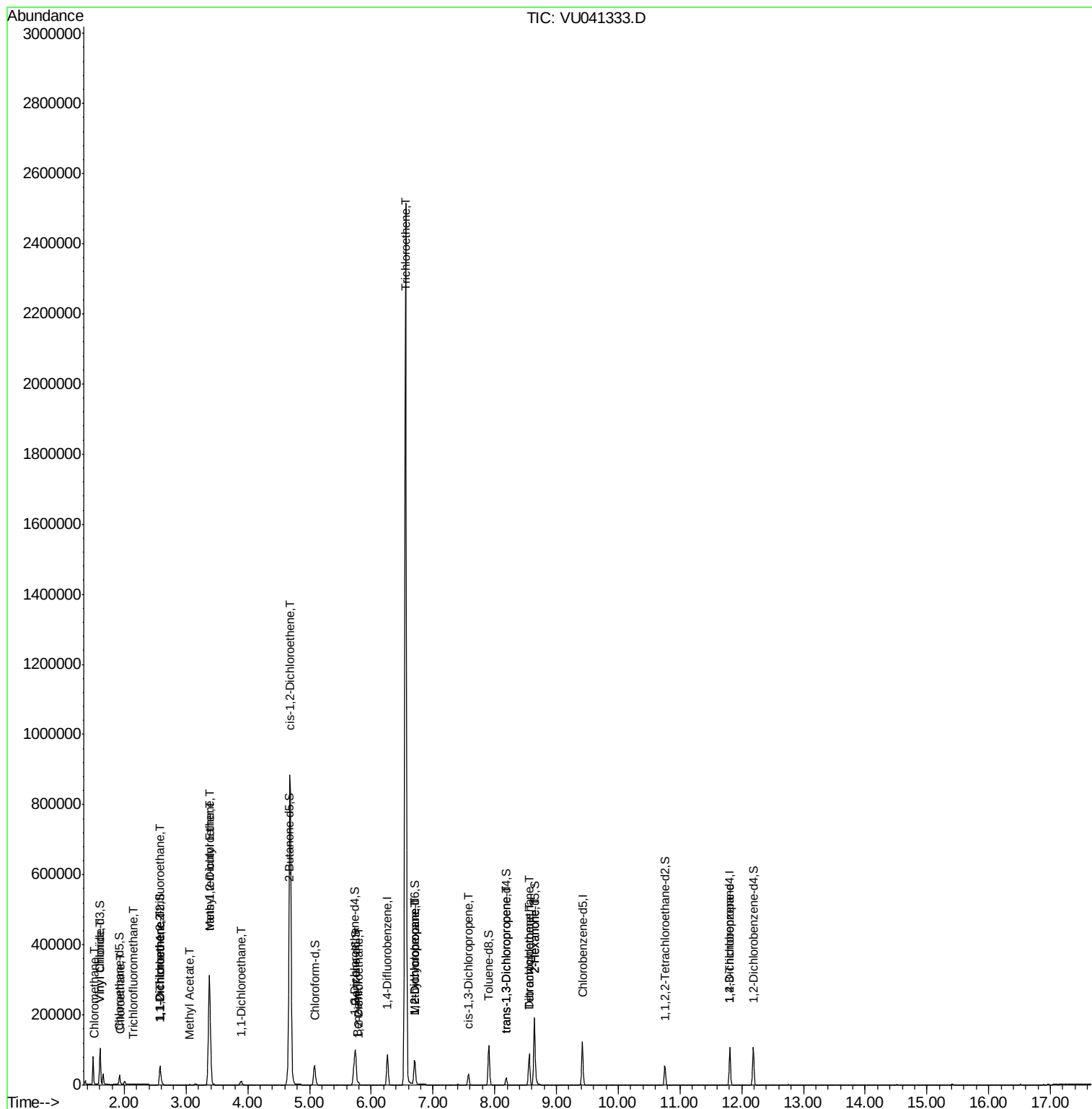
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.19	75	455	0.066	ug/L #	78
47) Tetrachloroethene	8.56	164	18408	5.181	ug/L	98
48) 2-Hexanone	8.64	43	8947	2.785	ug/L #	71
49) Dibromochloromethane	8.56	129	18935	3.973	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3426	0.835	ug/L	90

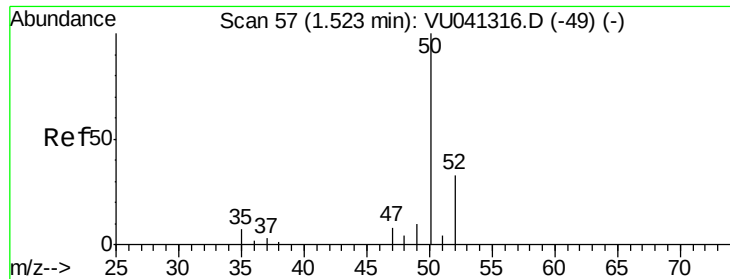
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.115 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

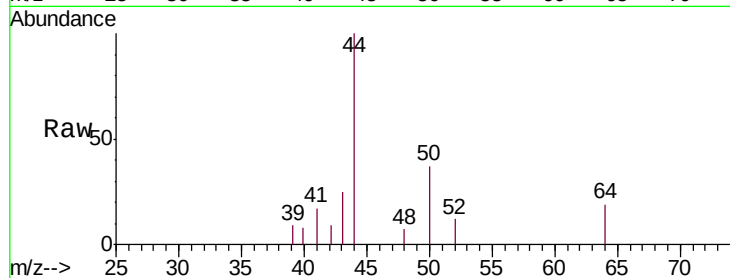
H4418

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

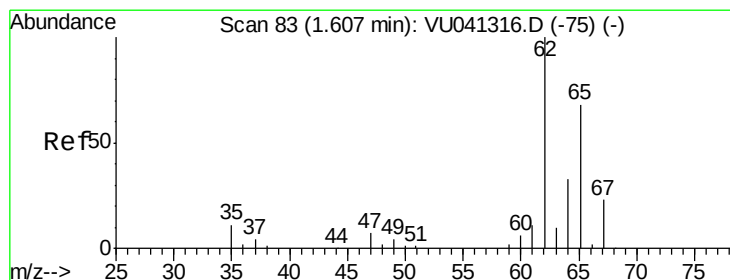
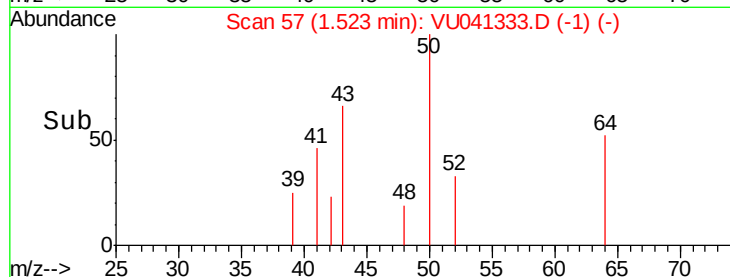
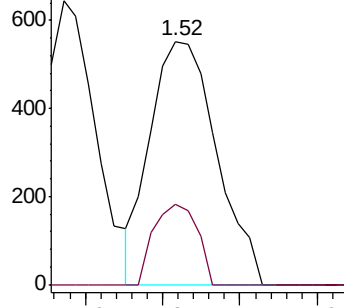
50 100

52 33.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 6.319 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041333.D

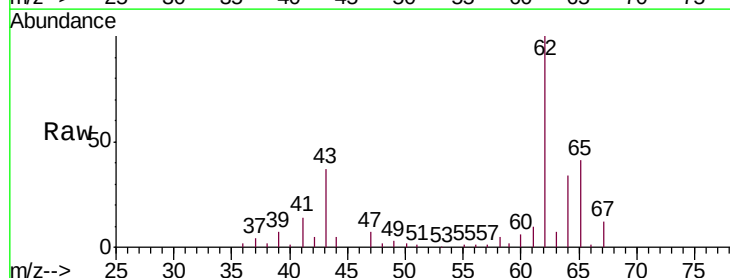
Acq: 18 Nov 2020 23:46

Tgt Ion: 62 Resp: 35439

Ion Ratio Lower Upper

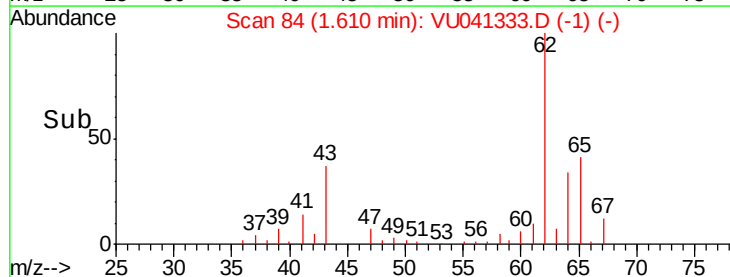
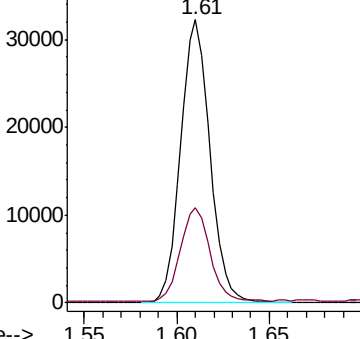
62 100

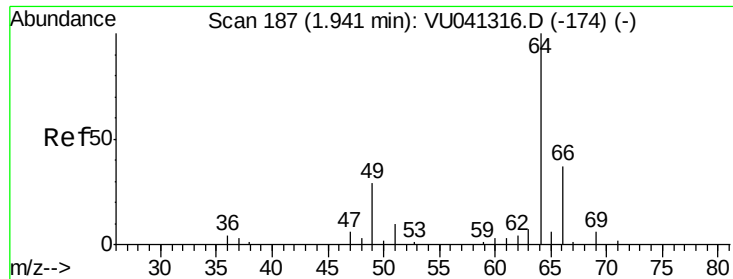
64 33.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

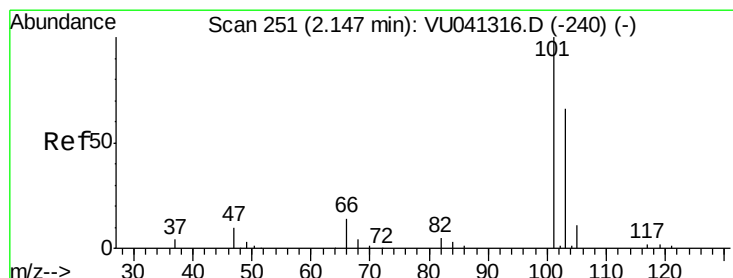
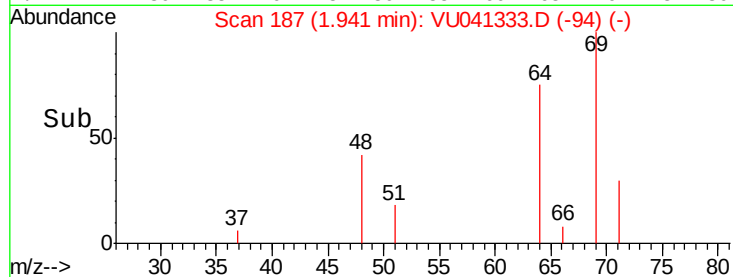
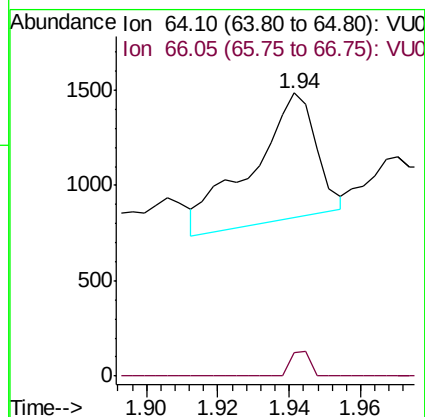
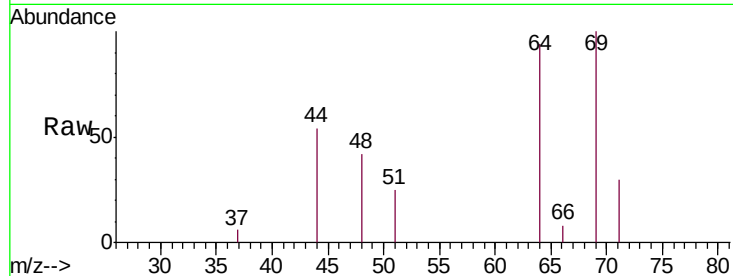




#8
 Chloroethane
 Concen: 0.222 ug/L
 RT: 1.94 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46

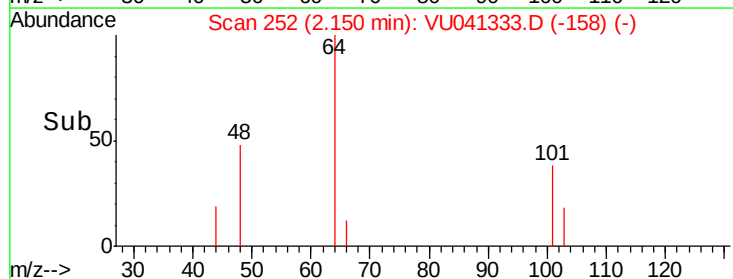
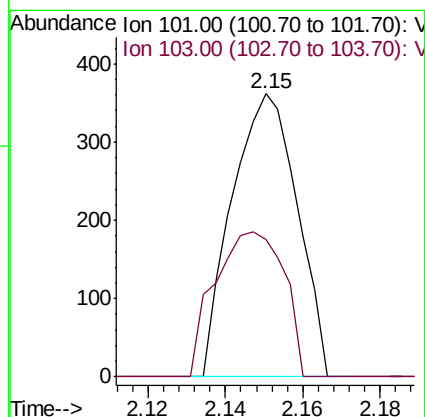
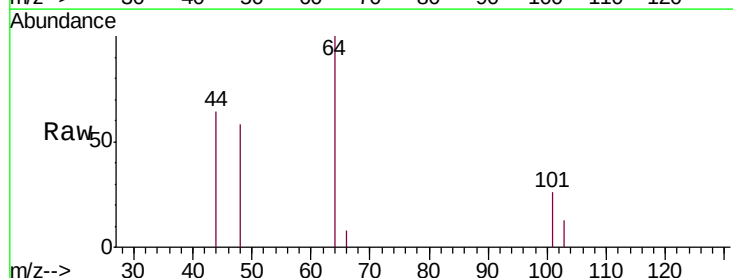
Instrument :
 MSVOA_U
 ClientSampleId :
 H4418

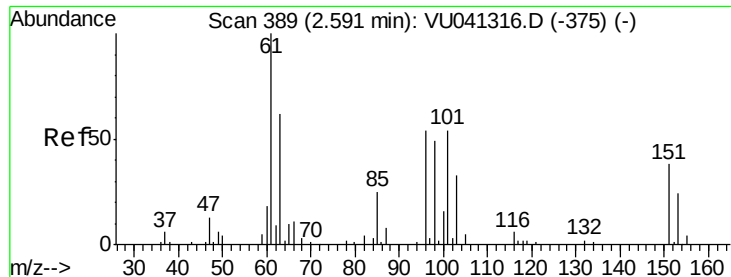
Tgt Ion: 64 Resp: 825
 Ion Ratio Lower Upper
 64 100
 66 8.2 22.3 41.5#



#9
 Trichlorofluoromethane
 Concen: 0.048 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46

Tgt Ion: 101 Resp: 423
 Ion Ratio Lower Upper
 101 100
 103 54.1 51.0 76.4





#10

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

Concen: 0.065 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampled :

H4418

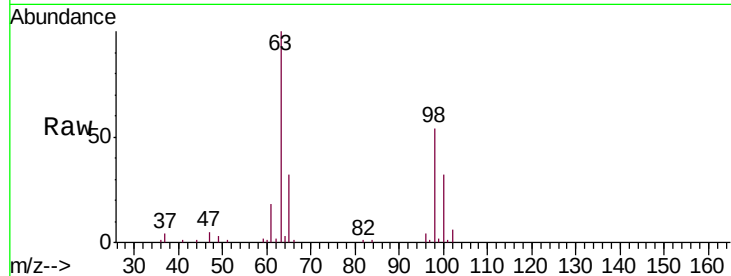
Tgt Ion: 101 Resp: 309

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58

2.56 2.58 2.60

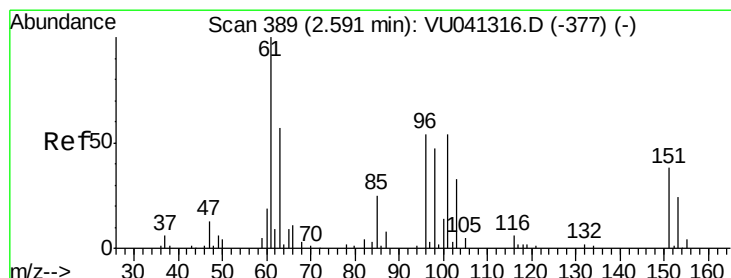
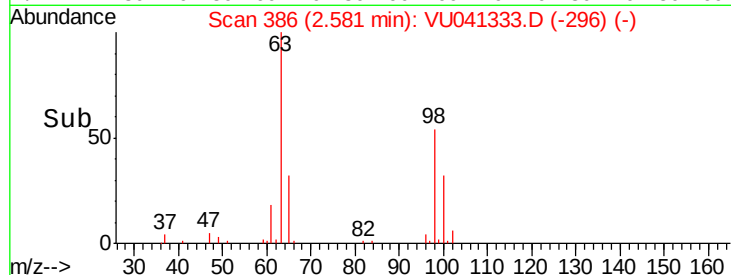
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.485 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

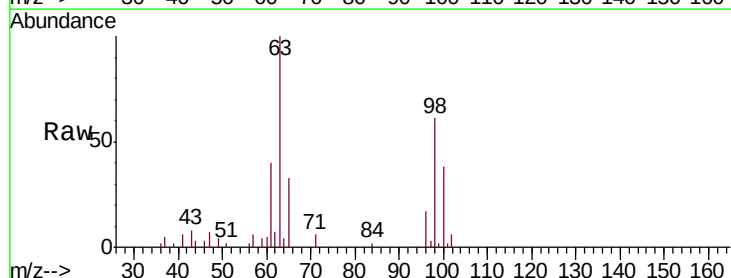
Tgt Ion: 96 Resp: 2040

Ion Ratio Lower Upper

96 100

61 232.3 134.3 249.5

63 582.6 95.0 176.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

25000

20000

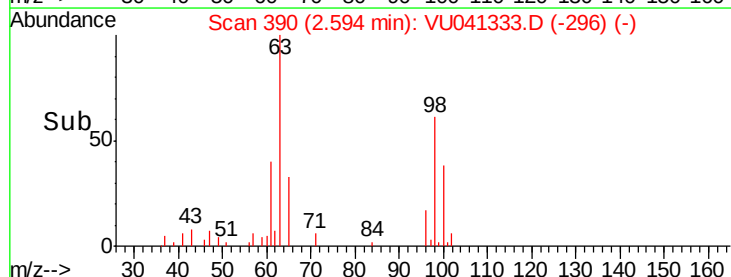
15000

10000

5000

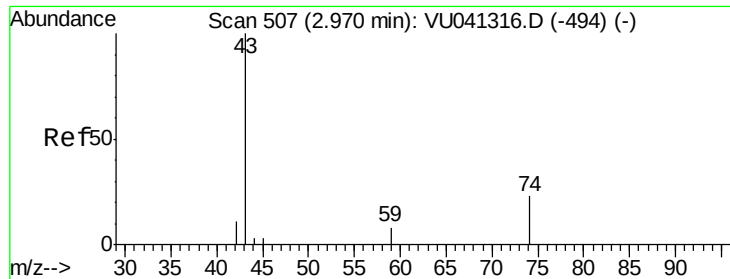
0

Time-->



2.59

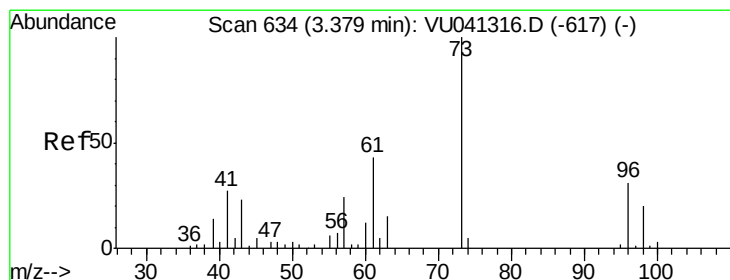
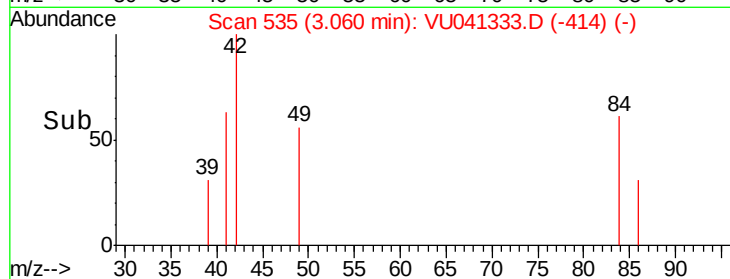
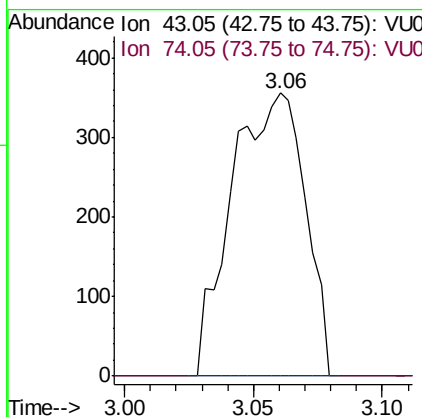
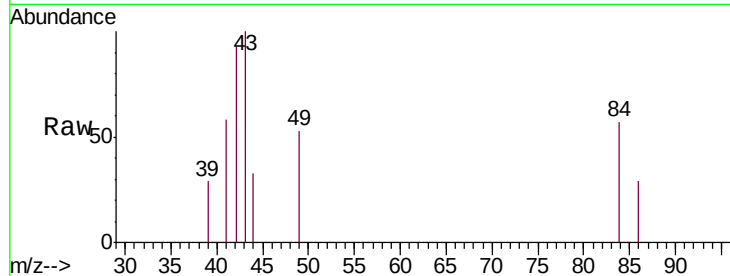
2.55 2.59 2.60



#15
Methyl Acetate
Concen: 0.261 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.09 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

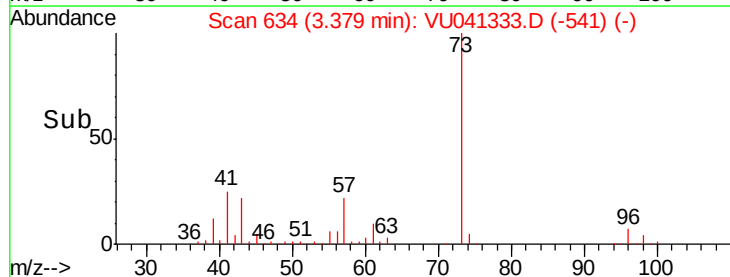
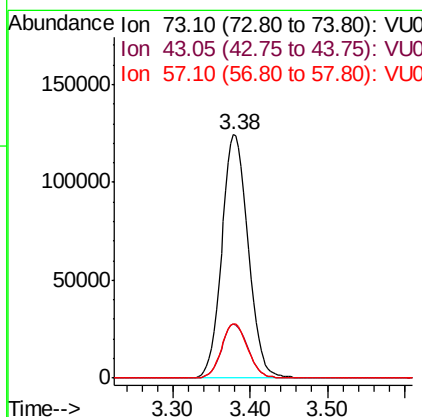
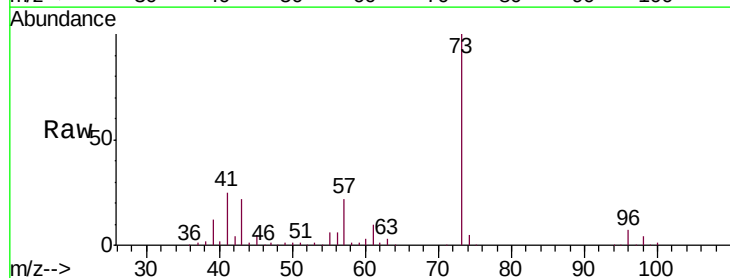
Instrument :
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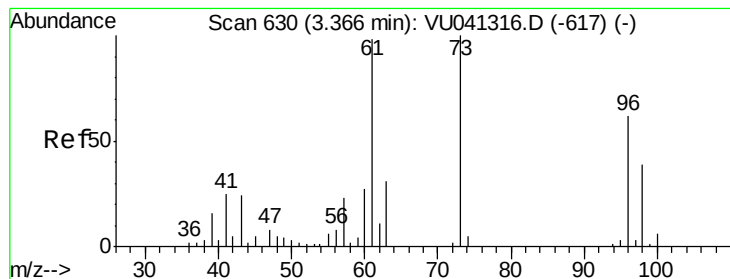
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#17
Methyl tert-butyl Ether
Concen: 25.544 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Tgt Ion: 73 Resp: 294097
Ion Ratio Lower Upper
73 100
43 22.4 18.5 27.7
57 22.3 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 4.999 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

H4418

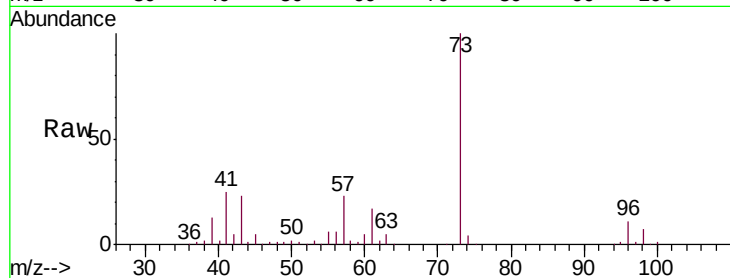
Tgt Ion: 96 Resp: 20476

Ion Ratio Lower Upper

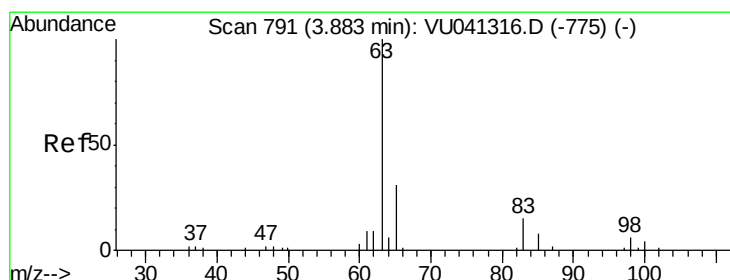
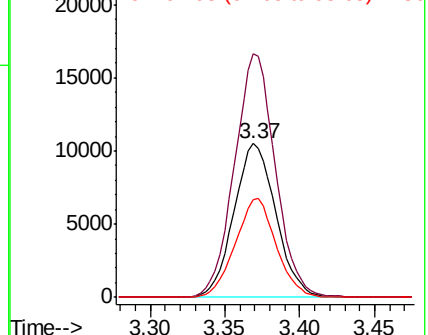
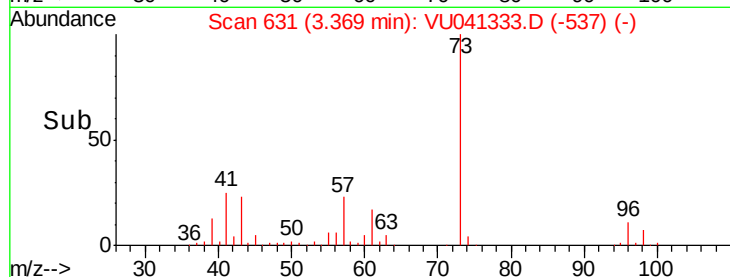
96 100

61 158.4 110.9 205.9

98 63.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041333.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 1.549 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

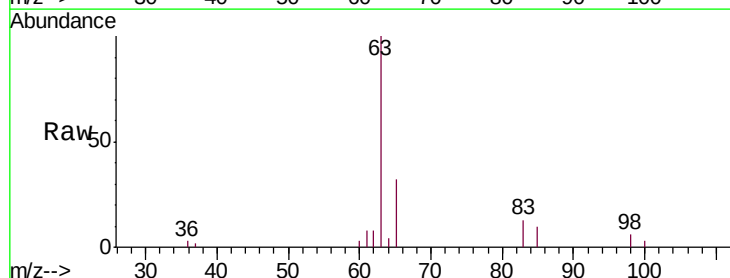
Tgt Ion: 63 Resp: 14188

Ion Ratio Lower Upper

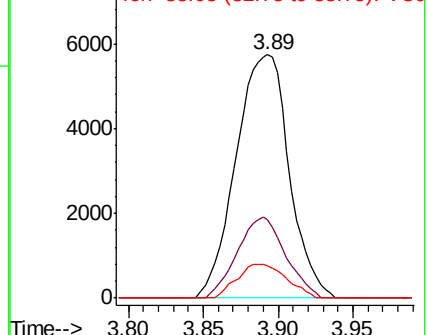
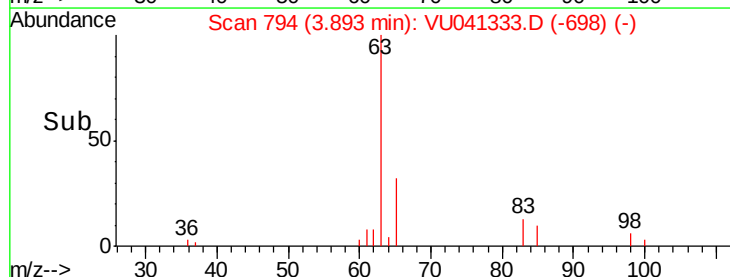
63 100

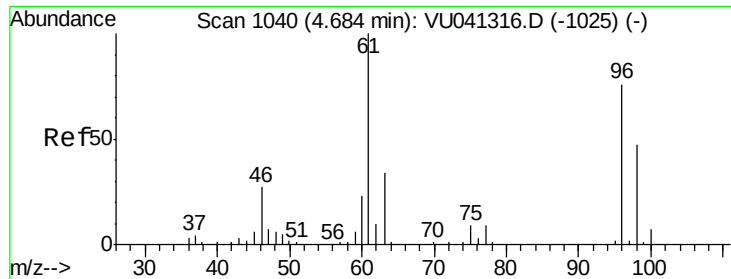
65 32.3 21.3 39.6

83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041333.D (-698) (-)





#22

cis-1,2-Dichloroethene

Concen: 90.168 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041333.D

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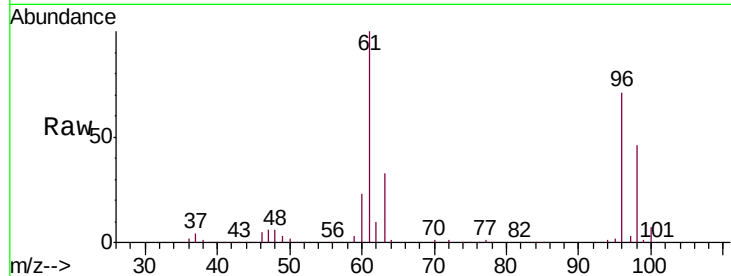
Tgt Ion: 96 Resp: 417105

Ion Ratio Lower Upper

96 100

61 140.2 97.2 180.4

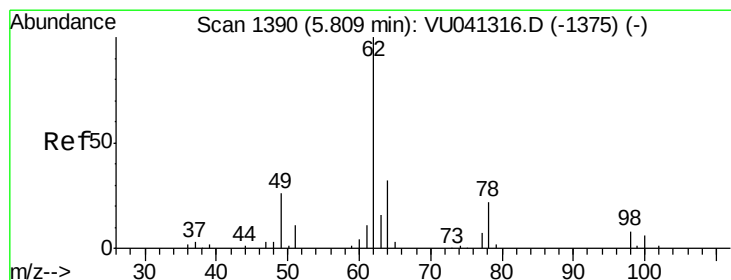
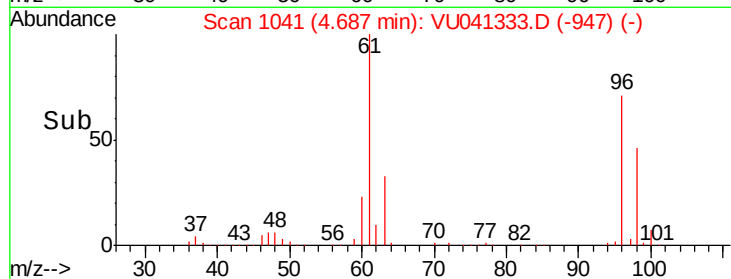
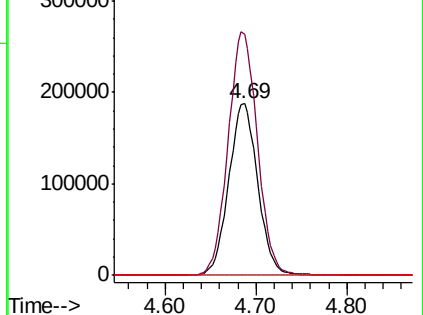
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#27

1,2-Dichloroethane

Concen: 0.041 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU041333.D

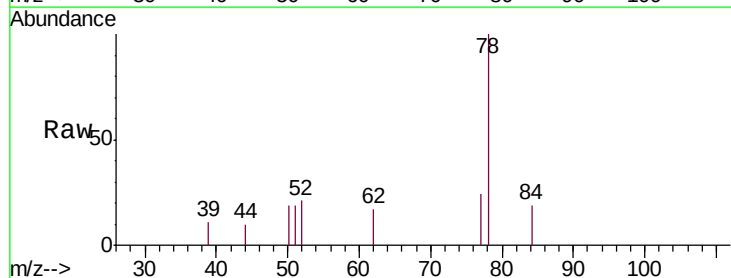
Acq: 18 Nov 2020 23:46

Tgt Ion: 62 Resp: 296

Ion Ratio Lower Upper

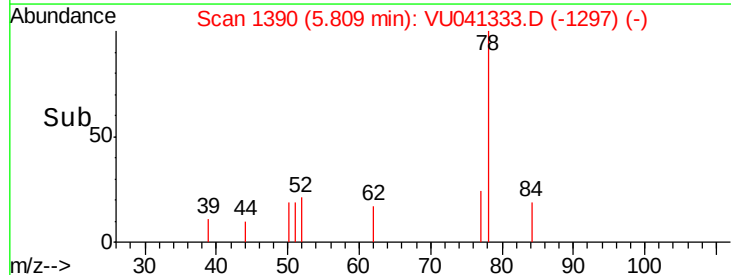
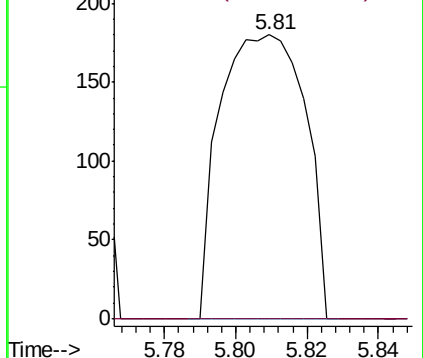
62 100

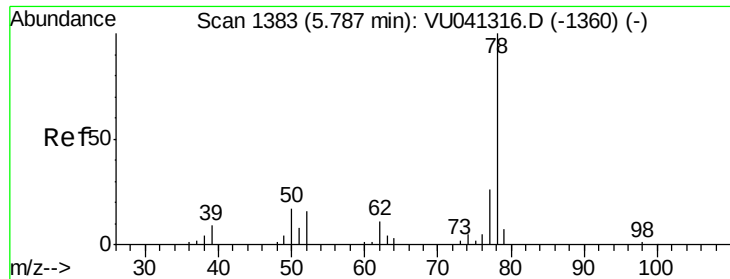
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

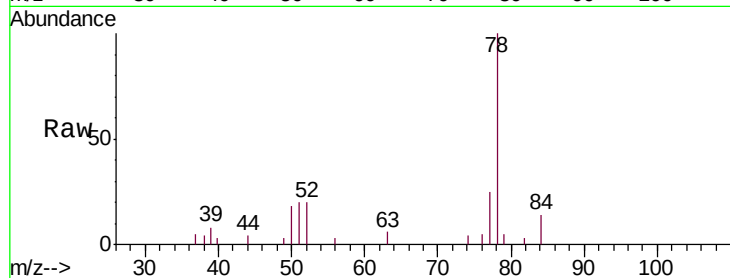




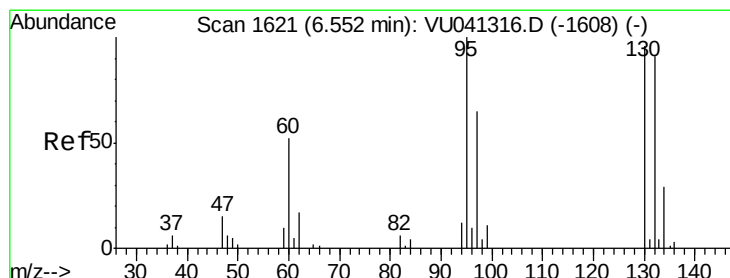
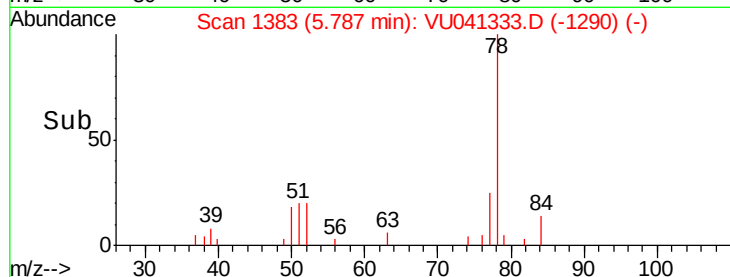
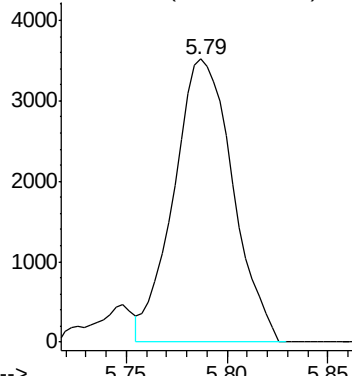
#33
Benzene
Concen: 0.404 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Instrument :
MSVOA_U
ClientSampled :
H4418

Tgt Ion: 78 Resp: 7193



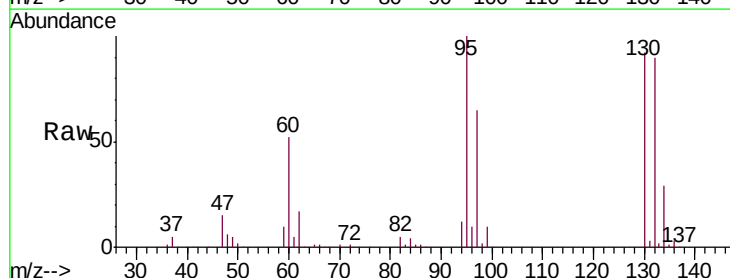
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 174.090 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

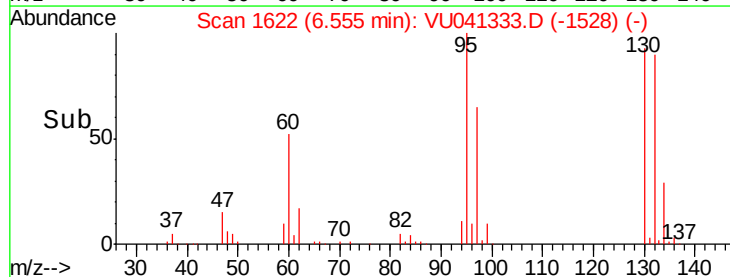
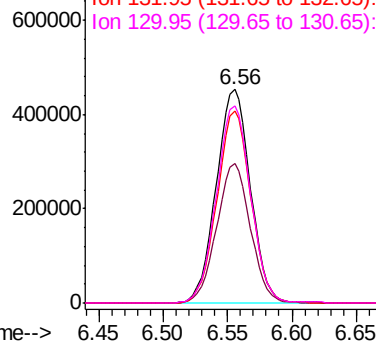
Tgt Ion: 95 Resp: 837138

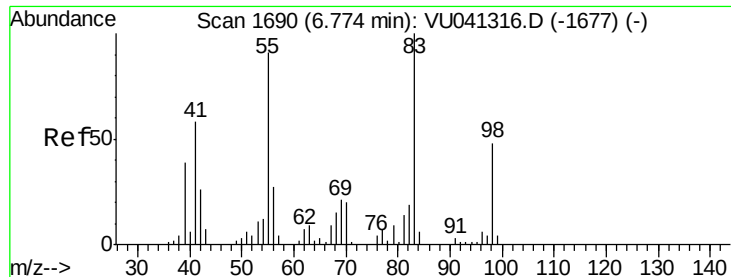
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.6	84.6
132	90.0	64.8	120.4
130	92.4	64.8	120.4



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

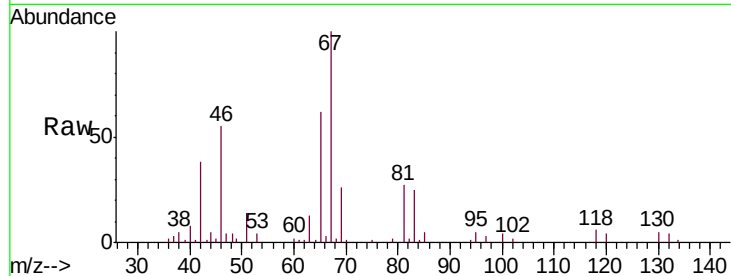




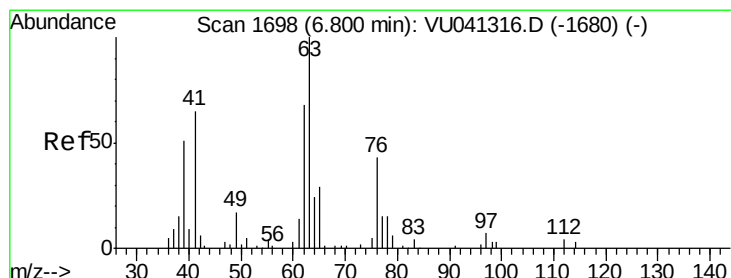
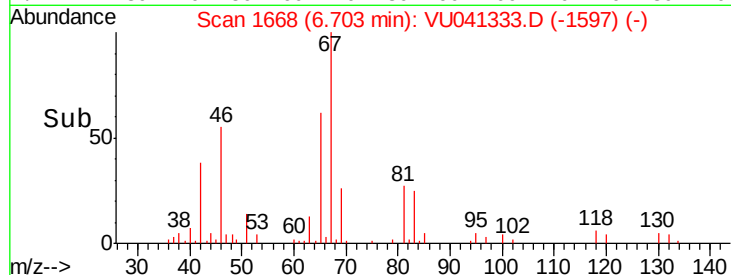
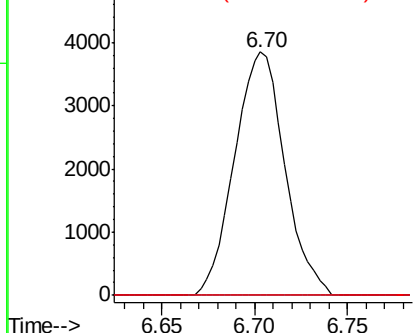
#35
Methylcyclohexane
Concen: 1.135 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Instrument :
MSVOA_U
ClientSampleId :
H4418

Tgt Ion: 83 Resp: 7248
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

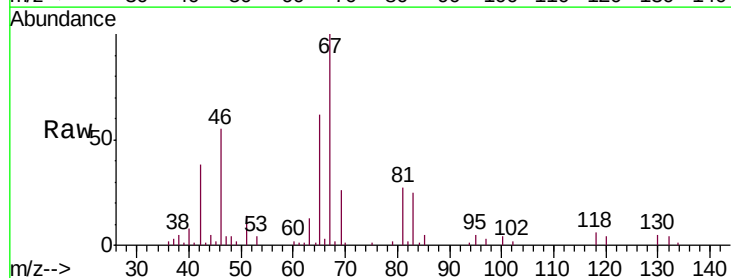


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

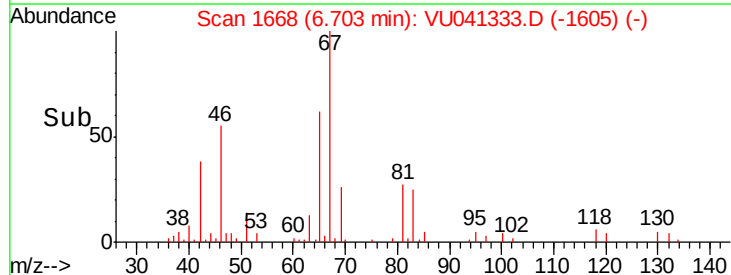
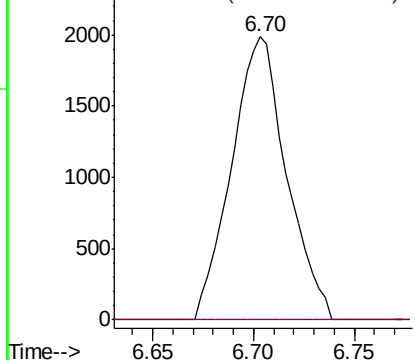


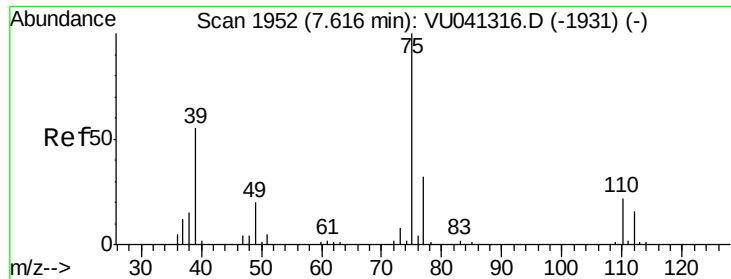
#37
1,2-Dichloropropane
Concen: 0.726 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Tgt Ion: 63 Resp: 3777
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

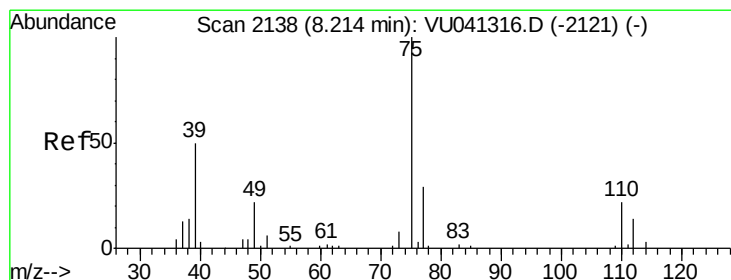
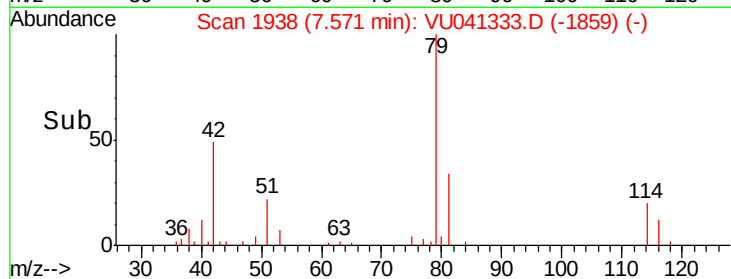
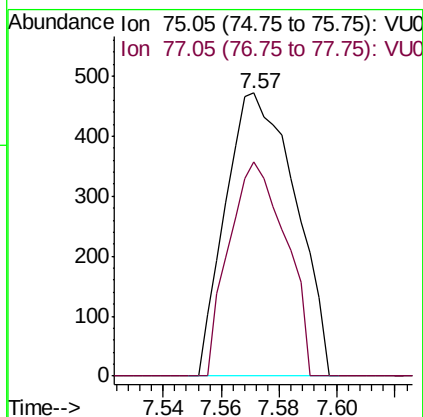
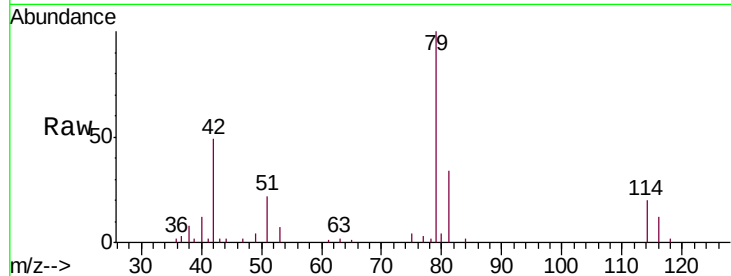




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46

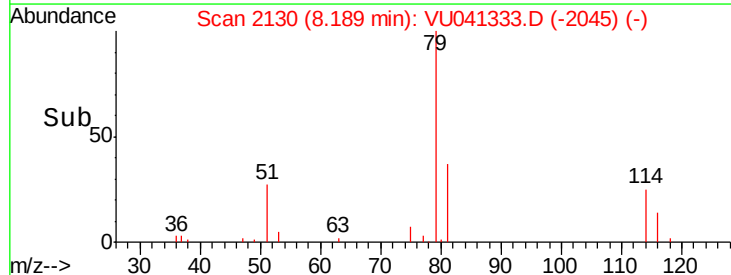
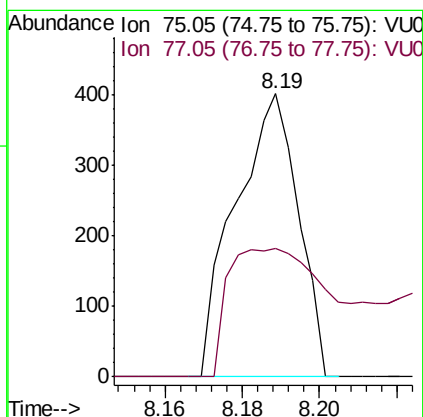
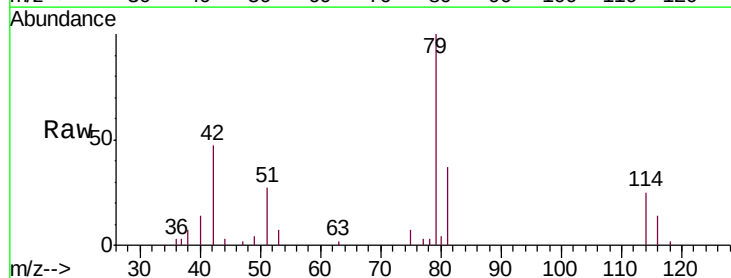
Instrument :
 MSVOA_U
 ClientSampleId :
 H4418

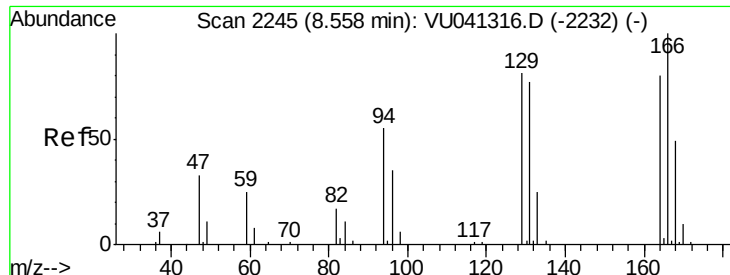
Tgt Ion: 75 Resp: 787
 Ion Ratio Lower Upper
 75 100
 77 75.6 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46

Tgt Ion: 75 Resp: 455
 Ion Ratio Lower Upper
 75 100
 77 45.5 23.3 43.3#

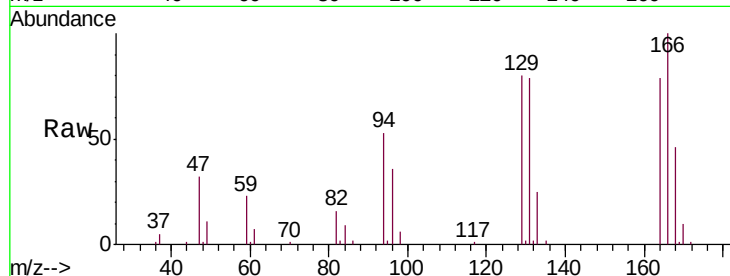




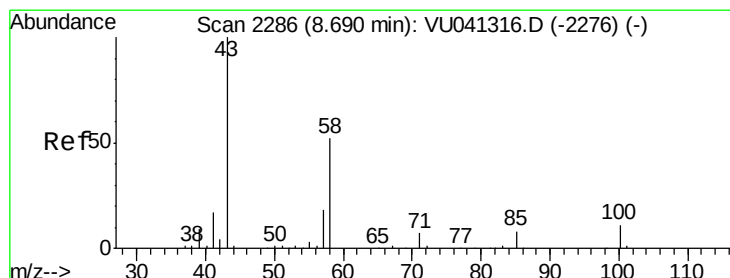
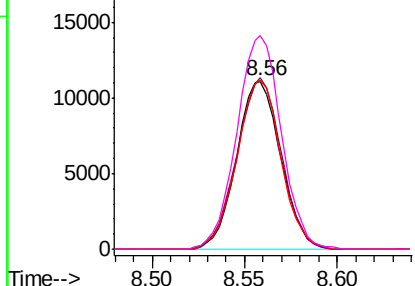
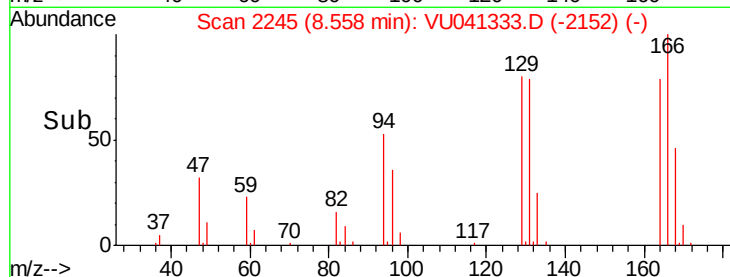
#47
Tetrachloroethene
Concen: 5.181 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Instrument :
MSVOA_U
ClientSampled :
H4418

Tgt Ion:164 Resp: 18408
Ion Ratio Lower Upper
164 100
129 102.4 70.3 130.7
131 100.8 70.8 131.4
166 127.4 92.0 170.8

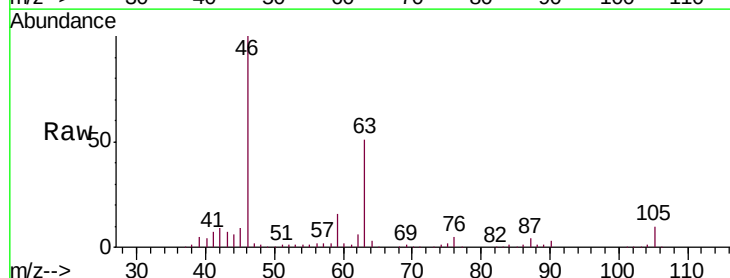


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

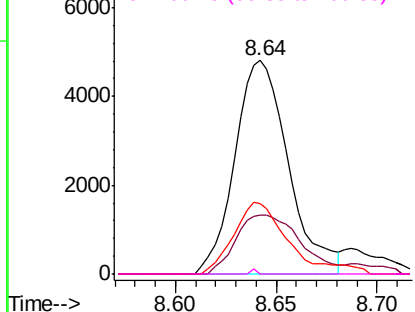
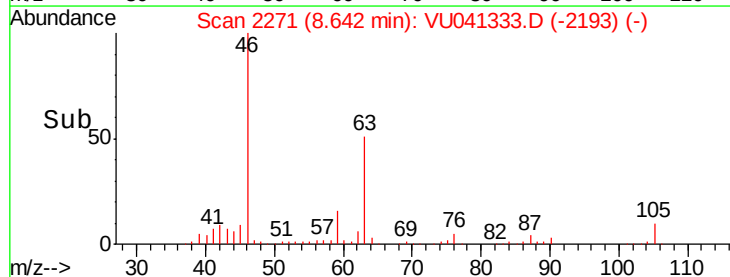


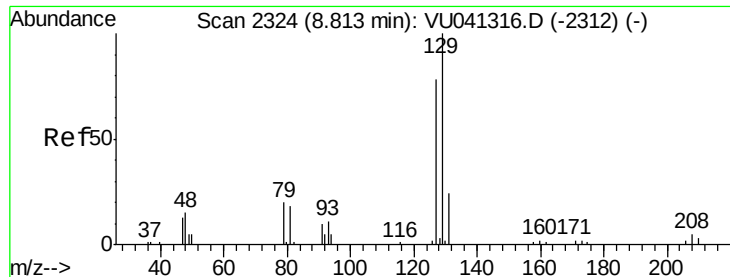
#48
2-Hexanone
Concen: 2.785 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041333.D
Acq: 18 Nov 2020 23:46

Tgt Ion: 43 Resp: 8947
Ion Ratio Lower Upper
43 100
58 33.0 41.4 62.2#
57 34.4 14.6 21.8#
100 0.2 8.3 12.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 3.973 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

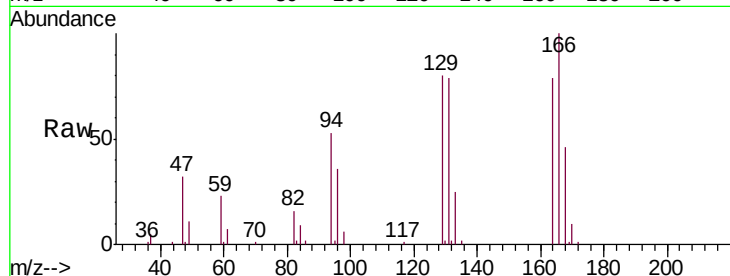
H4418

Tgt Ion:129 Resp: 18935

Ion Ratio Lower Upper

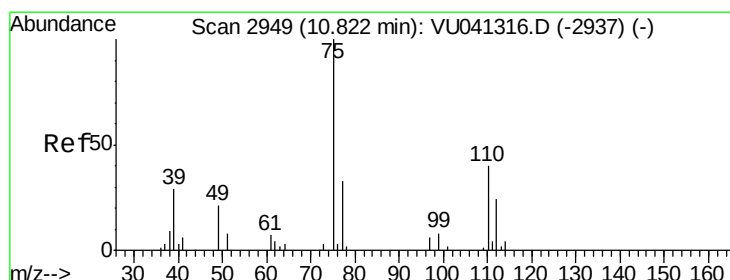
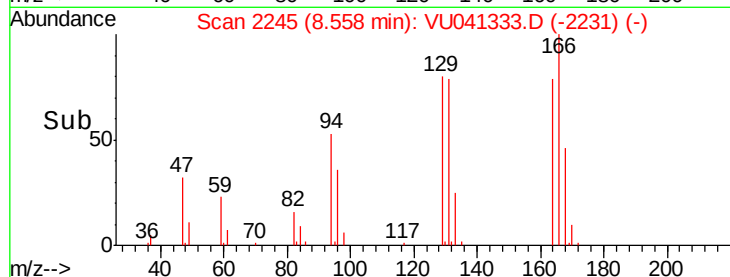
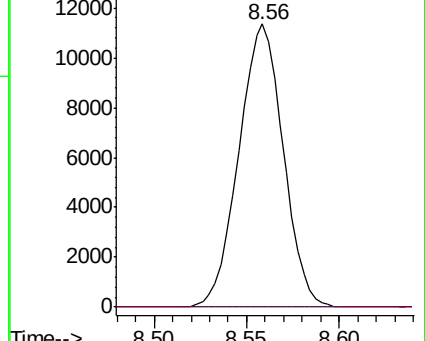
129 100

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: 0.835 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041333.D

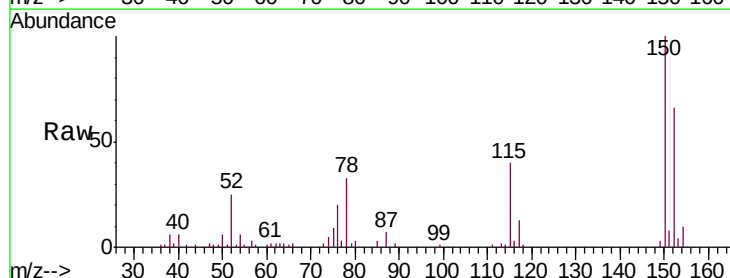
Acq: 18 Nov 2020 23:46

Tgt Ion: 75 Resp: 3426

Ion Ratio Lower Upper

75 100

77 37.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

