

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101620\
 Data File : VU040741.D
 Acq On : 16 Oct 2020 12:05
 Operator : SY/MD
 Sample : L4419-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAH0

Quant Time: Oct 16 23:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113031	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118316	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47283	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40977	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.92	69	38022	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.58	63	81958	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	4.66	46	166436	55.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.06%
24) Chloroform-d	5.08	84	89000	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.72	65	54726	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.74	84	163080	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.70	67	56071	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.91	98	129058	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	19102	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	110014	47.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.14%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48517	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50614	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	477	0.050 ug/L	85
5) Vinyl chloride	1.61	62	2061	0.204 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	455	0.048 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	28415	3.523 ug/L #	71
18) trans-1,2-Dichloroethene	3.37	96	993	0.118 ug/L	86
19) 1,1-Dichloroethane	3.89	63	4356	0.249 ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	157262	17.274 ug/L	95
25) Chloroform	5.11	83	6275	0.352 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	1772	0.111 ug/L #	75
31) Carbon tetrachloride	5.53	117	2926	0.215 ug/L	97
34) Trichloroethene	6.56	95	210907	21.405 ug/L	98
35) Methylcyclohexane	6.70	83	13914	0.996 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6534	0.617 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1445	0.100 ug/L #	44
44) trans-1,3-Dichloropropene	8.19	75	924	0.069 ug/L #	74
47) Tetrachloroethene	8.56	164	58985	8.391 ug/L	96
48) 2-Hexanone	8.64	43	16432	2.614 ug/L #	74

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

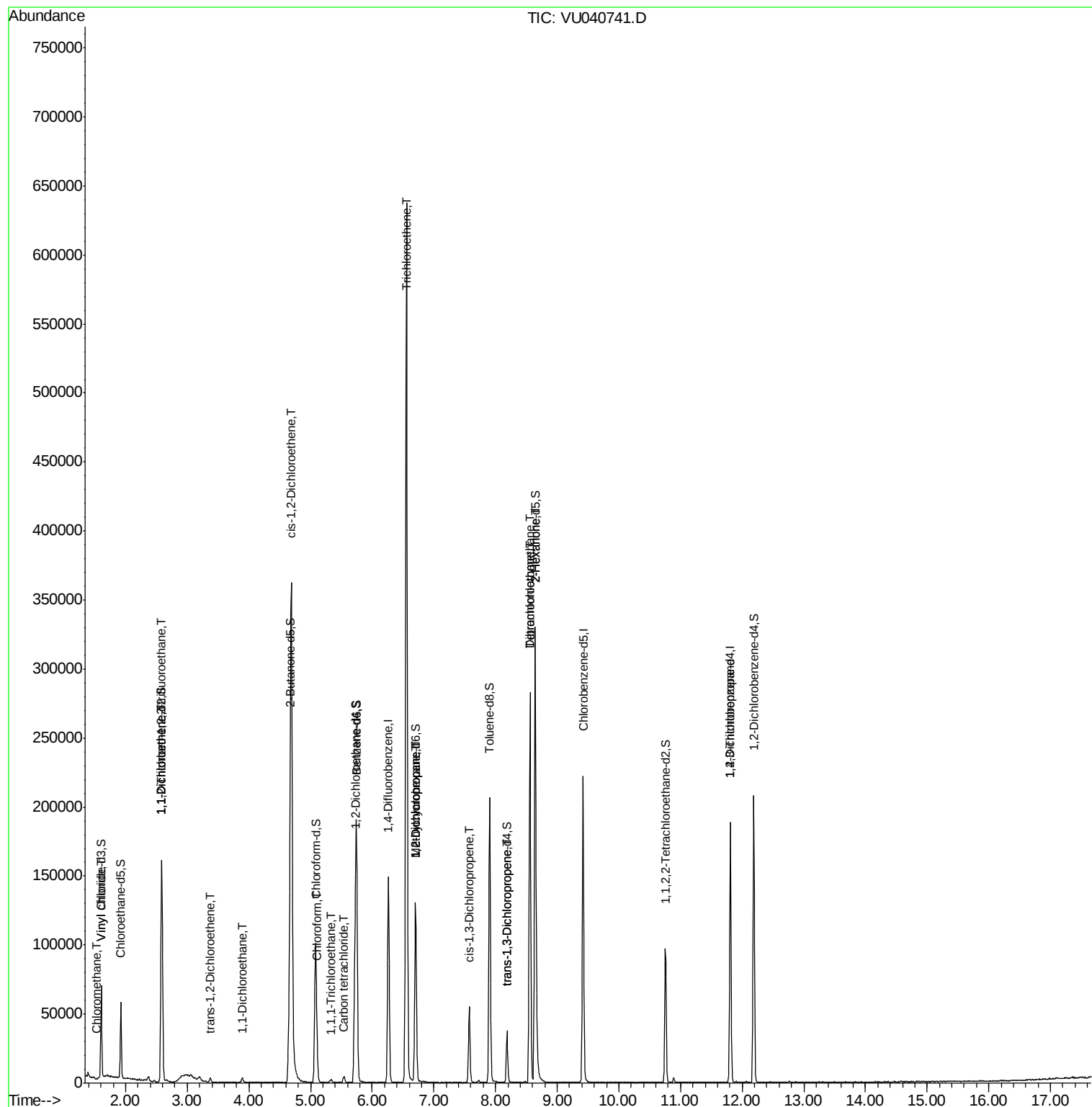
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	57613	6.312	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6101	0.784	ug/L	89

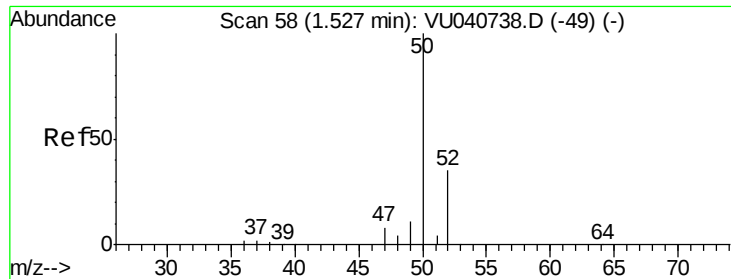
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.050 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

Instrument :

MSVOA_U

ClientSampled :

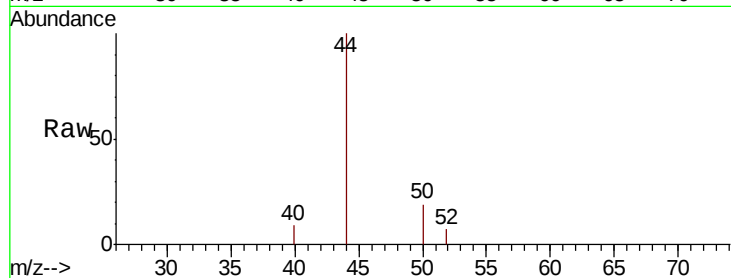
C0AH0

Tot Ion: 50 Resp: 477

Ion Ratio Lower Upper

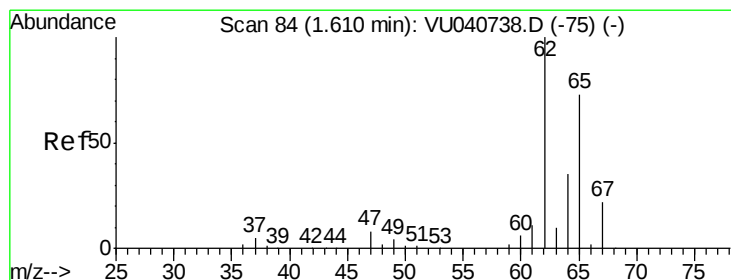
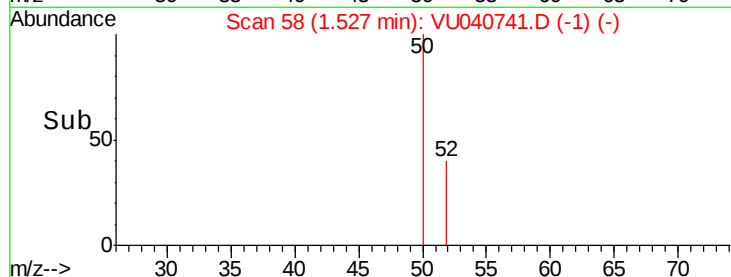
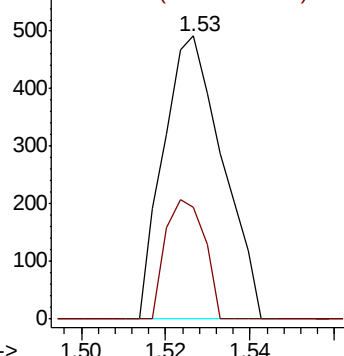
50 100

52 39.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.204 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040741.D

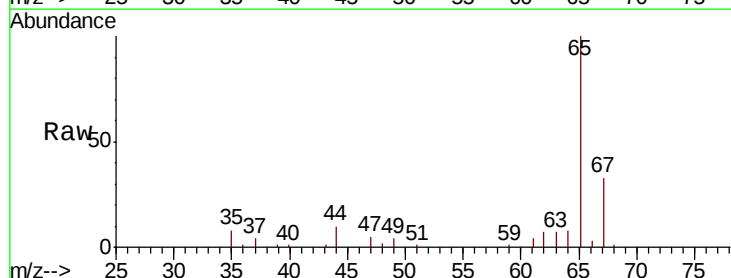
Acq: 16 Oct 2020 12:05

Tgt Ion: 62 Resp: 2061

Ion Ratio Lower Upper

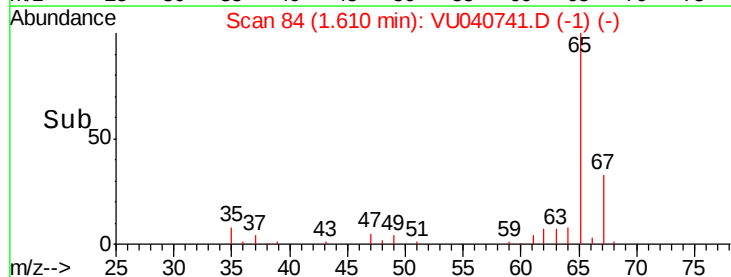
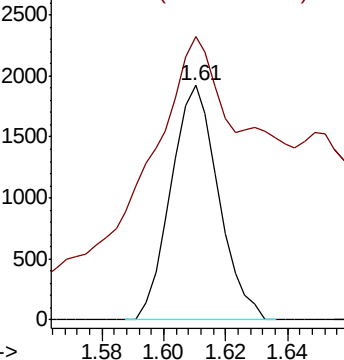
62 100

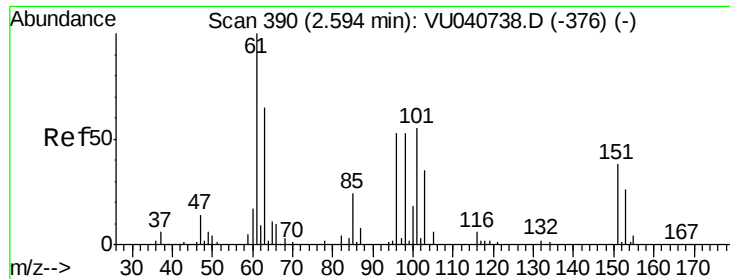
64 120.9 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.048 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

C0AH0

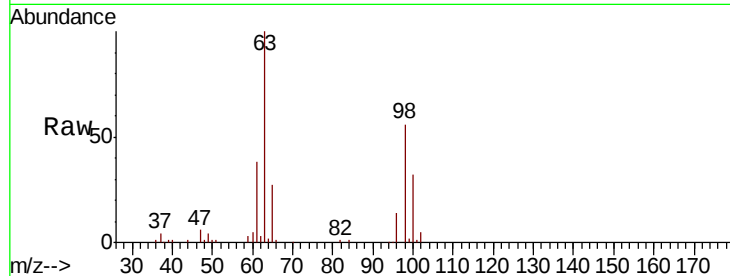
Tot Ion:101 Resp: 455

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



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

300

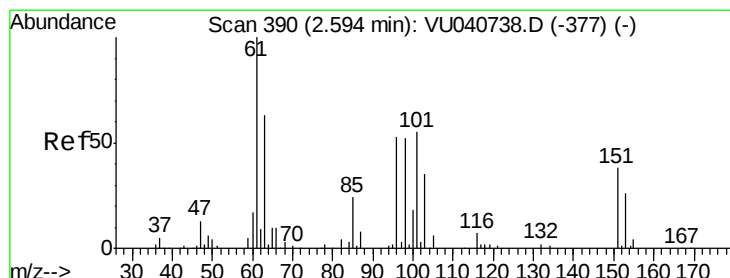
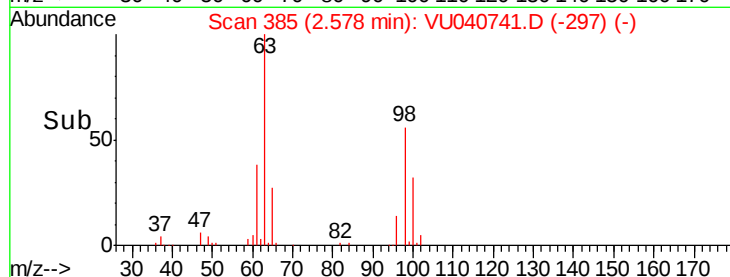
200

100

0

2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 3.523 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

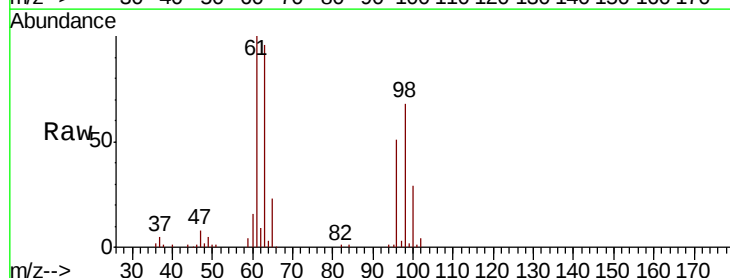
Tgt Ion: 96 Resp: 28415

Ion Ratio Lower Upper

96 100

61 196.2 128.8 239.2

63 188.2 84.6 157.2#



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

60000

50000

40000

30000

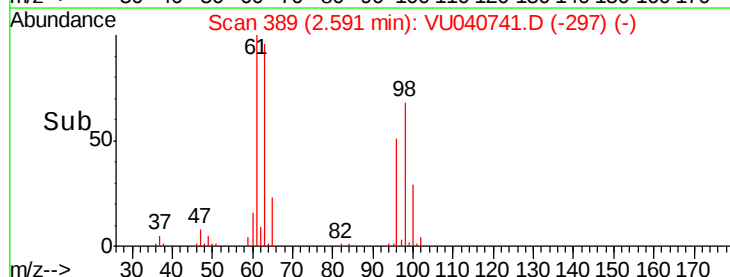
20000

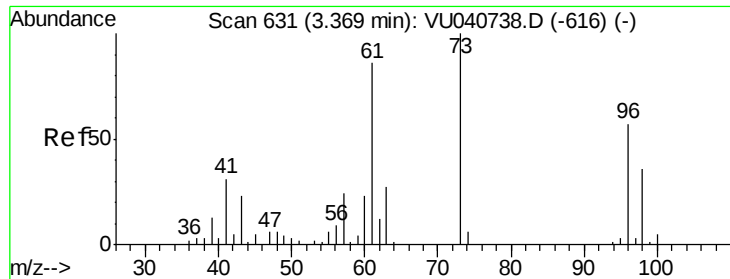
10000

0

2.55 2.60 2.65

Time-->

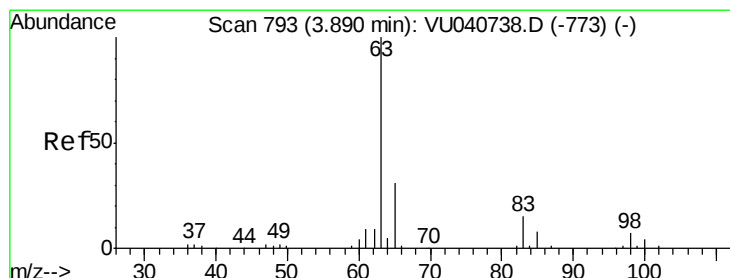
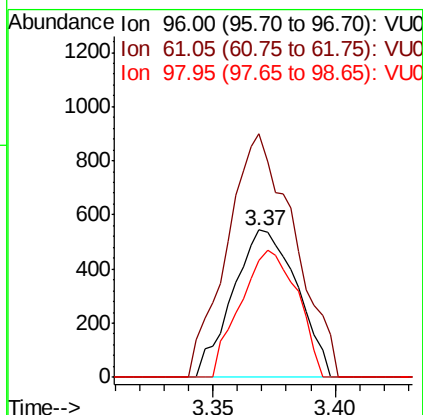
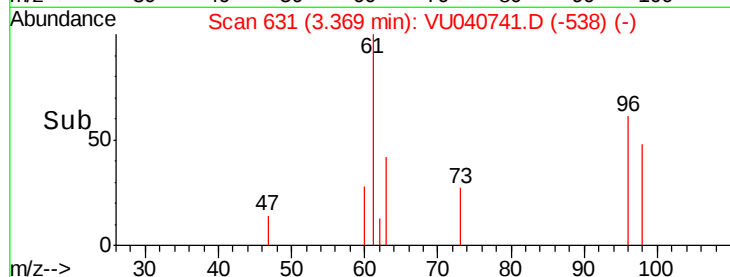
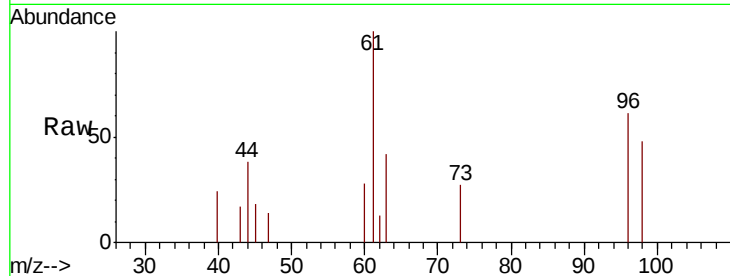




#18
trans-1,2-Dichloroethene
Concen: 0.118 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

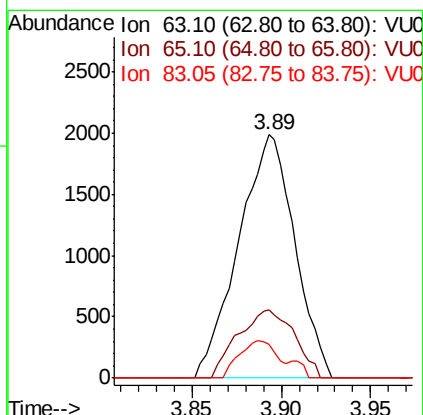
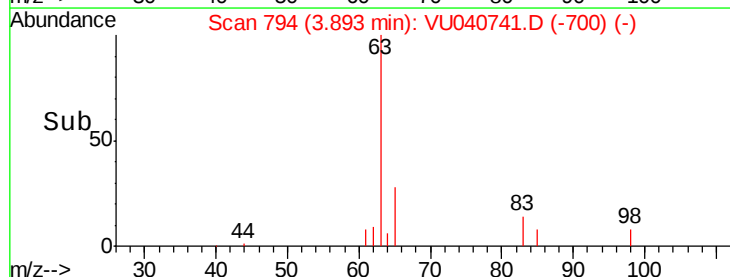
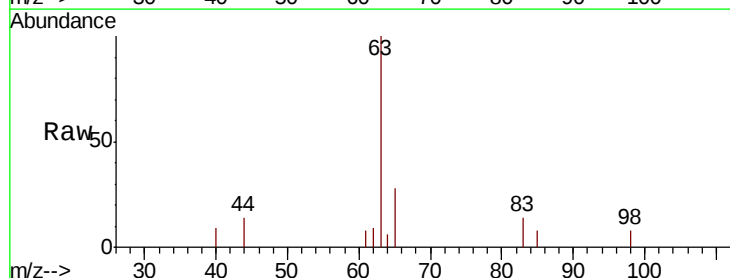
Instrument :
MSVOA_U
ClientSampleId :
C0AH0

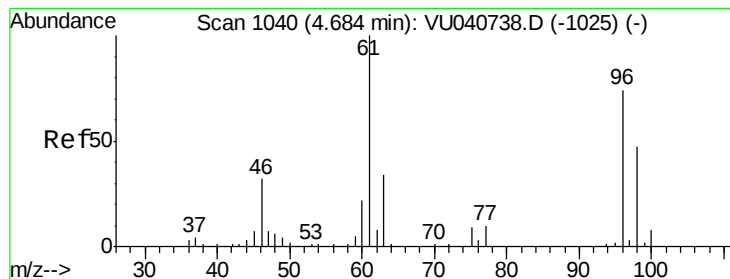
Tot Ion: 96 Resp: 993
Ion Ratio Lower Upper
96 100
61 165.3 105.9 196.7
98 79.6 43.8 81.3



#19
1,1-Dichloroethane
Concen: 0.249 ug/L
RT: 3.89 min Scan# 794
Delta R.T. 0.00 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

Tgt Ion: 63 Resp: 4356
Ion Ratio Lower Upper
63 100
65 27.8 21.9 40.7
83 13.9 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 17.274 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

C0AH0

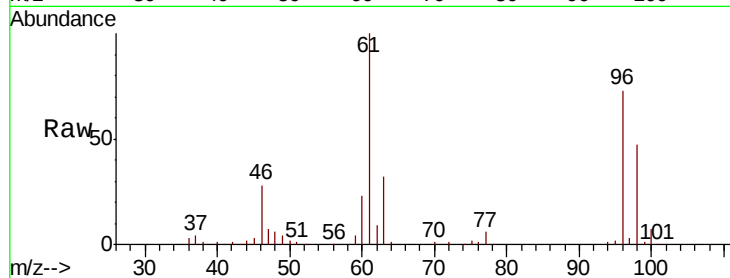
Tot Ion: 96 Resp: 157262

Ion Ratio Lower Upper

96 100

61 137.0 99.8 185.4

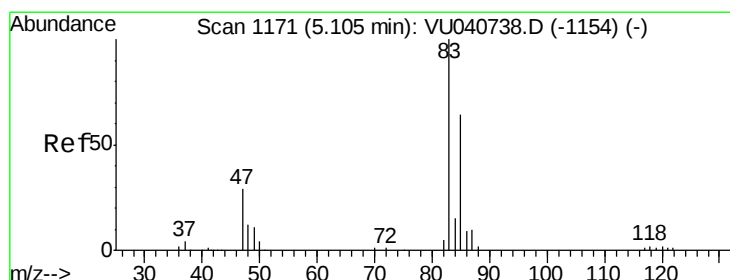
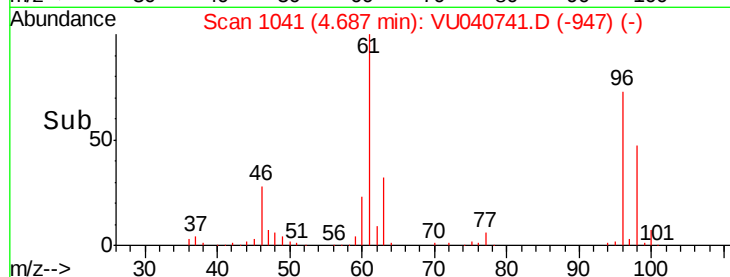
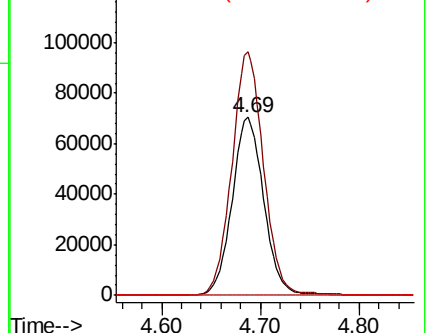
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040738.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040738.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU040738.D (-1025) (-)



#25

Chloroform

Concen: 0.352 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040741.D

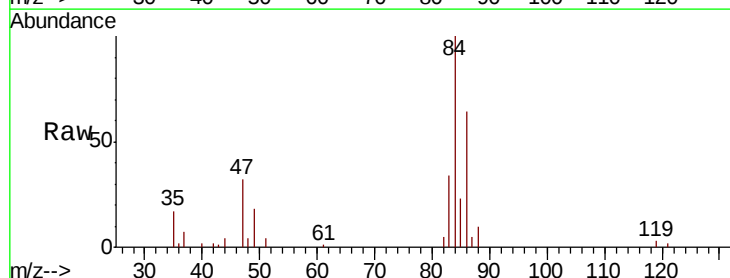
Acq: 16 Oct 2020 12:05

Tgt Ion: 83 Resp: 6275

Ion Ratio Lower Upper

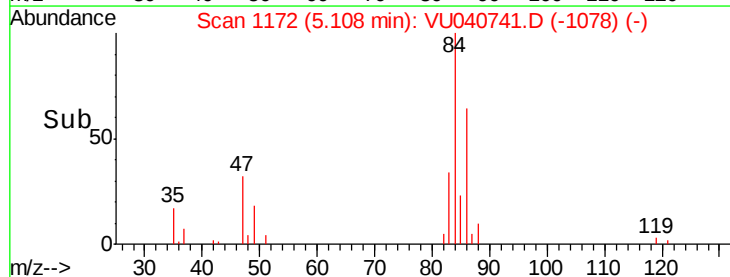
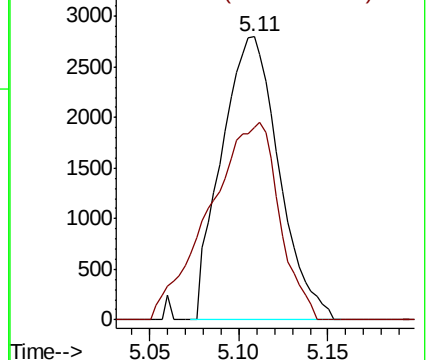
83 100

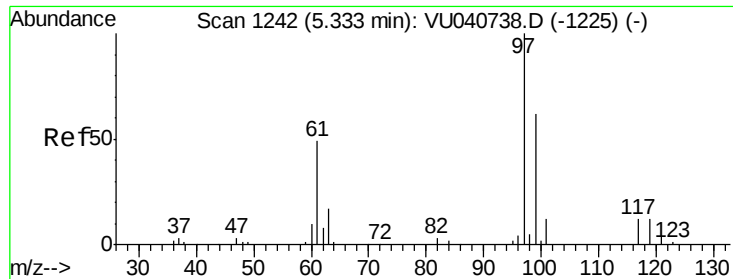
85 67.9 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040738.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040738.D (-1154) (-)

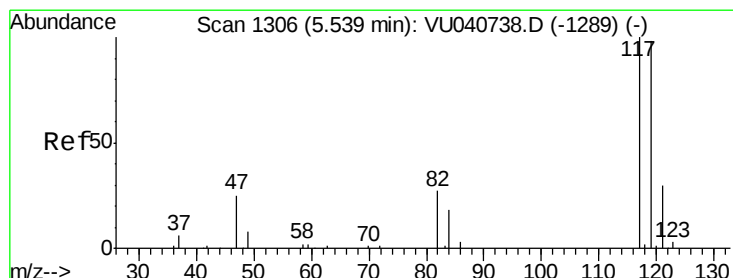
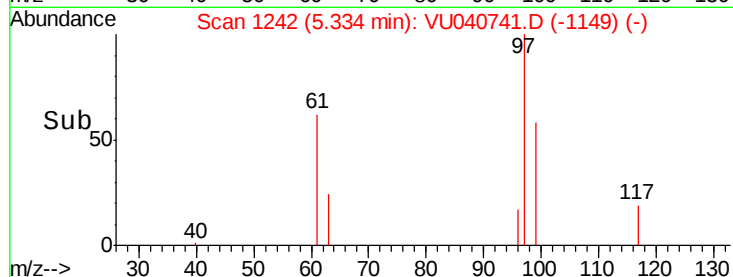
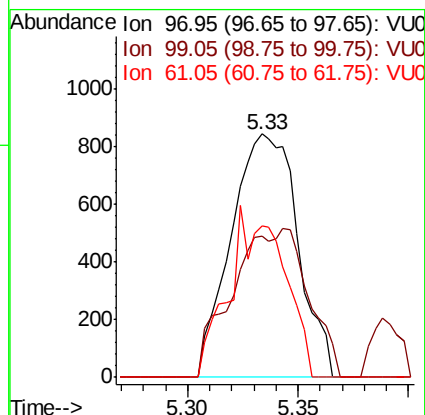
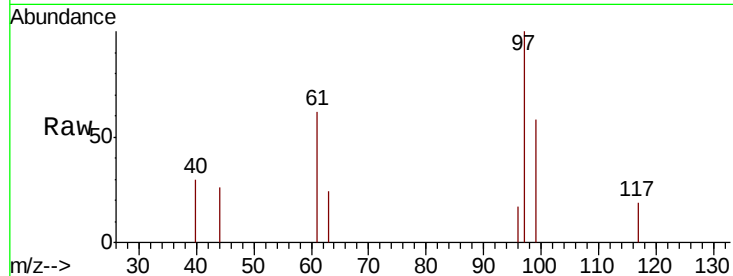




#29
 1,1,1-Trichloroethane
 Concen: 0.111 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040741.D
 Acq: 16 Oct 2020 12:05

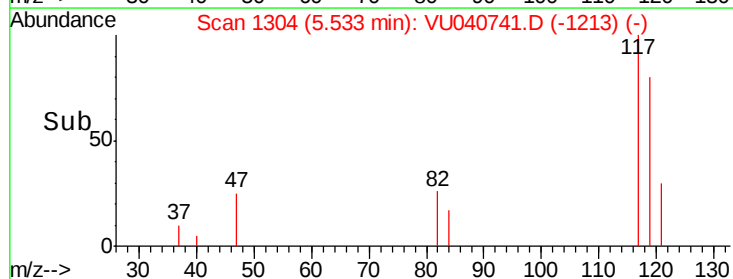
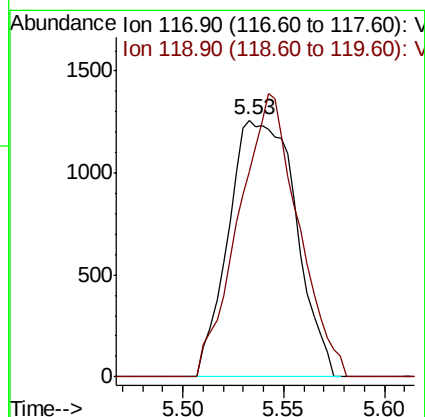
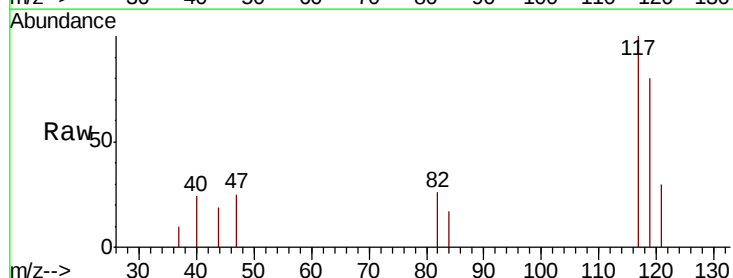
Instrument :
 MSVOA_U
 ClientSampleId :
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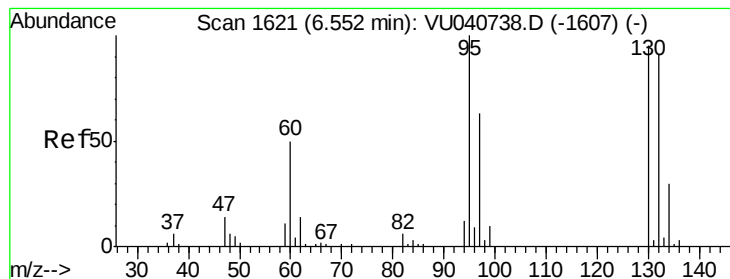
Tot Ion: 97 Resp: 1772
 Ion Ratio Lower Upper
 97 100
 99 36.9 51.3 76.9#
 61 57.1 39.4 59.2



#31
 Carbon tetrachloride
 Concen: 0.215 ug/L
 RT: 5.53 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: VU040741.D
 Acq: 16 Oct 2020 12:05

Tgt Ion: 117 Resp: 2926
 Ion Ratio Lower Upper
 117 100
 119 97.7 76.2 114.2





#34

Trichloroethene

Concen: 21.405 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

C0AH0

Tot Ion: 95 Resp: 210907

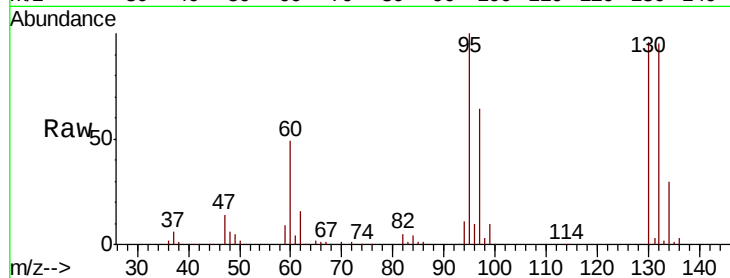
Ion Ratio Lower Upper

95 100

97 64.4 45.5 84.5

132 95.4 67.5 125.4

130 96.3 69.9 129.9

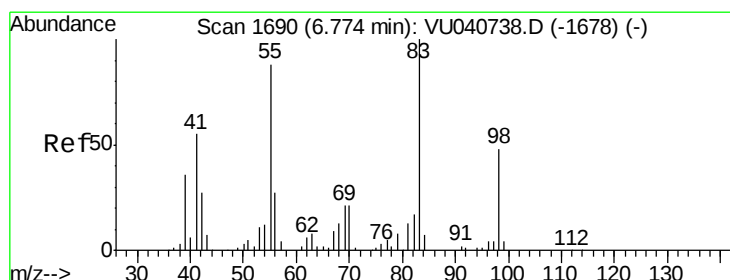
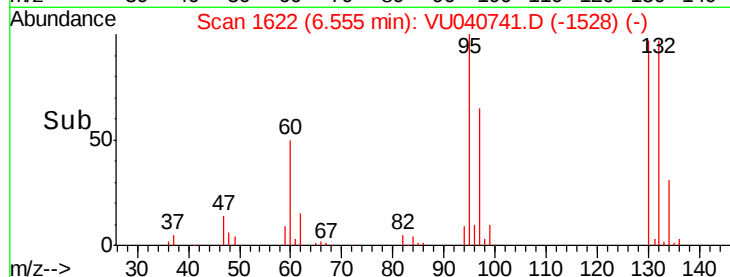
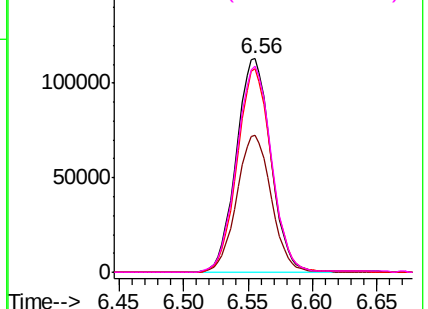


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.996 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

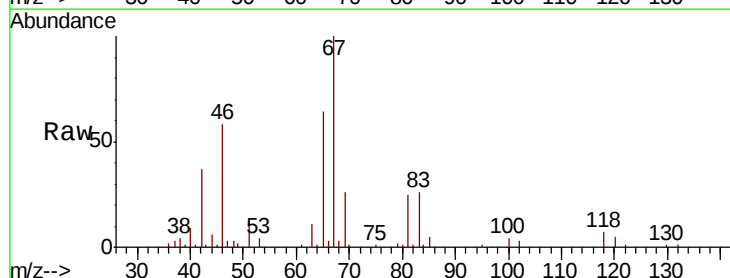
Tgt Ion: 83 Resp: 13914

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

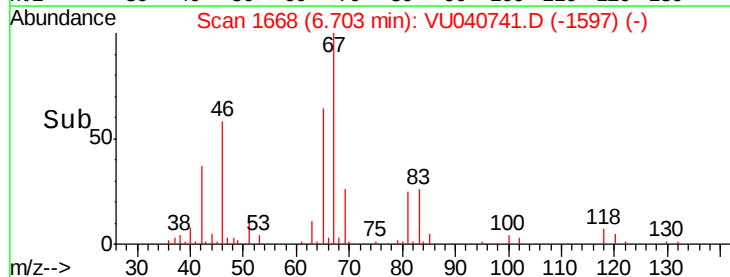
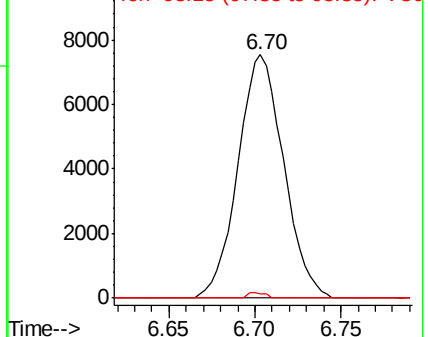
98 0.0 38.4 57.6#

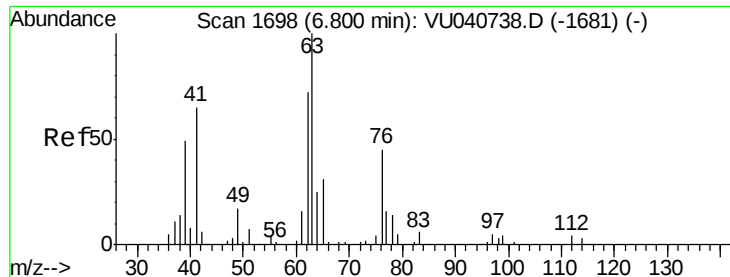


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

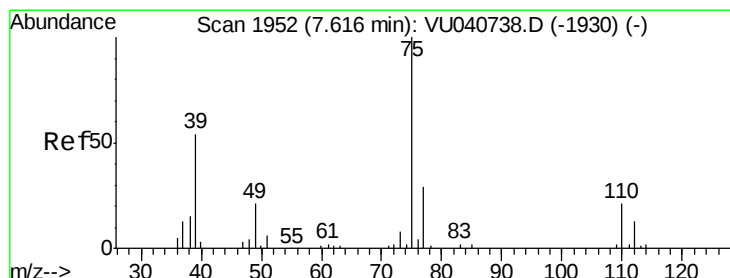
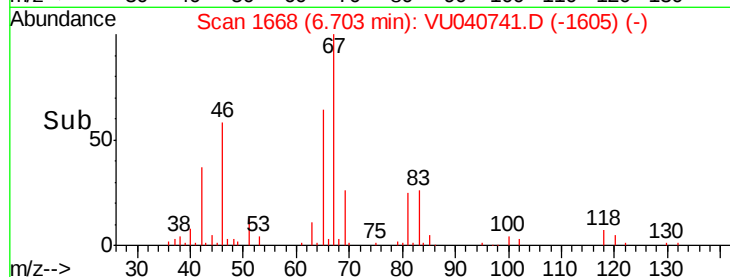
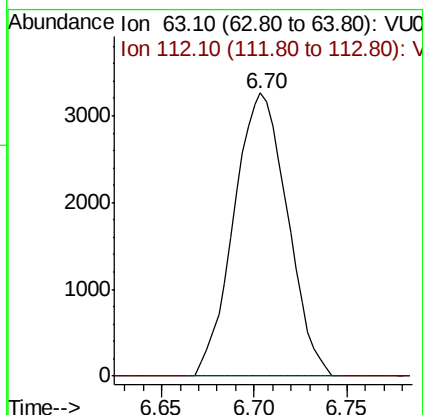
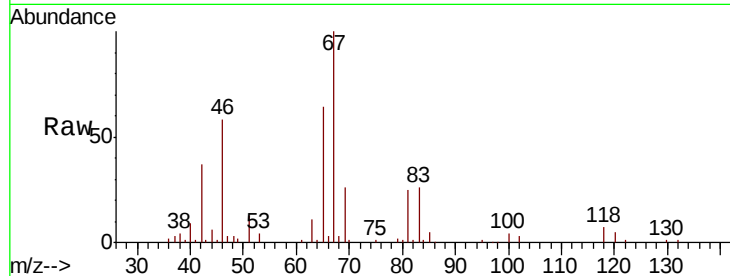




#37
 1,2-Dichloropropane
 Concen: 0.617 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040741.D
 Acq: 16 Oct 2020 12:05

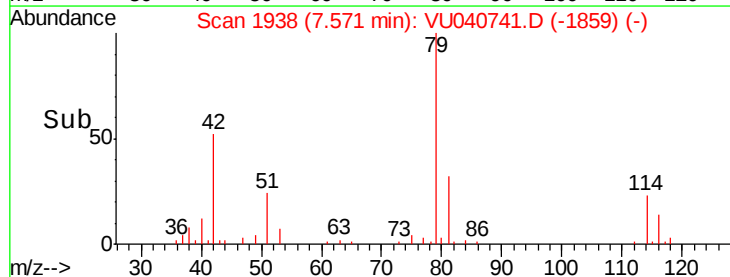
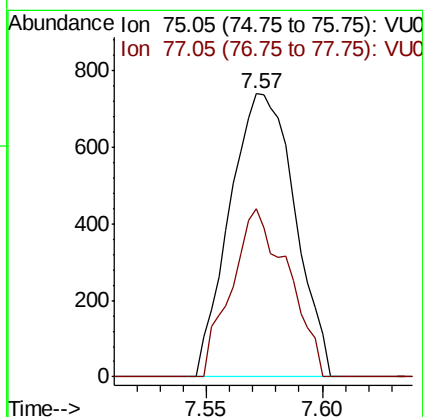
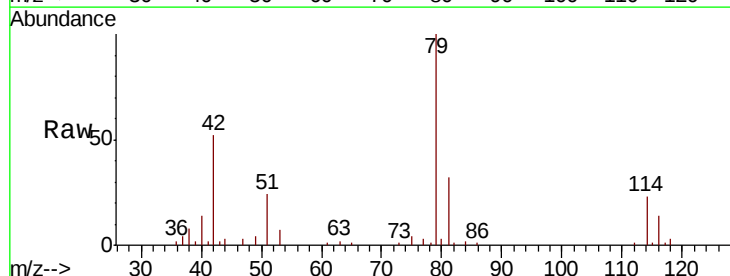
Instrument :
 MSVOA_U
 ClientSampleId :
 COAH0

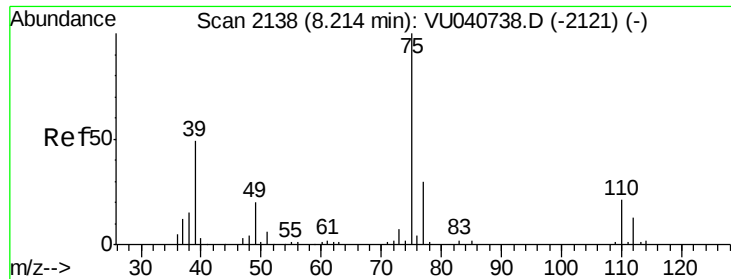
Tot Ion: 63 Resp: 6534
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040741.D
 Acq: 16 Oct 2020 12:05

Tgt Ion: 75 Resp: 1445
 Ion Ratio Lower Upper
 75 100
 77 59.3 20.5 38.1#

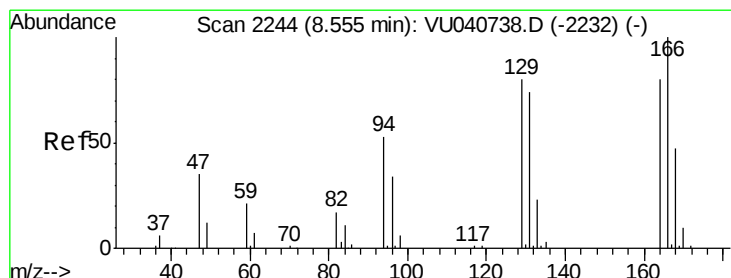
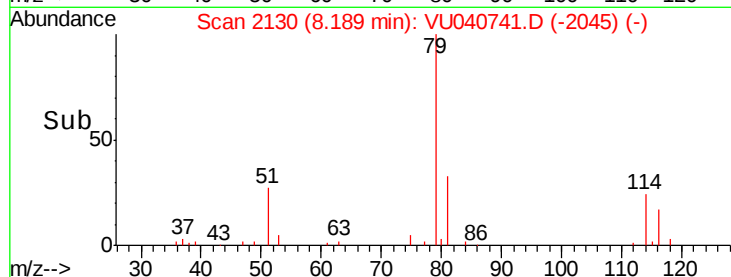
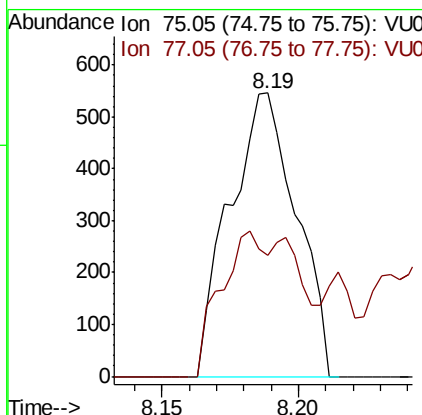
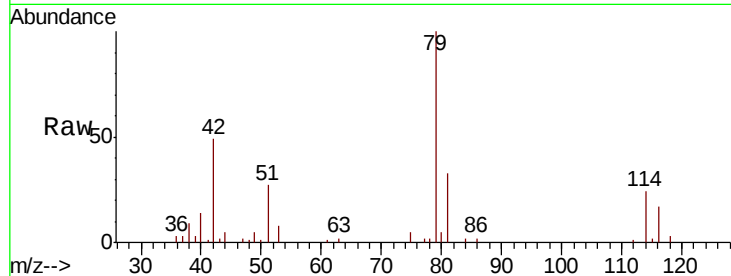




#44
trans-1,3-Dichloropropene
Concen: 0.069 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

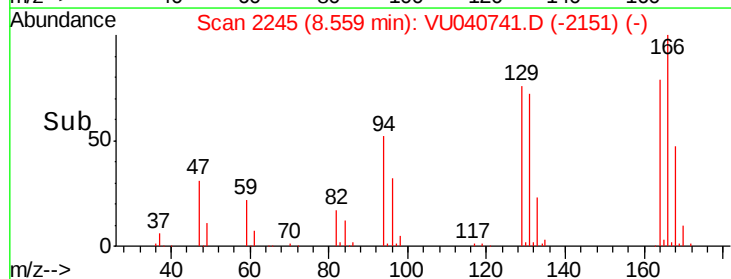
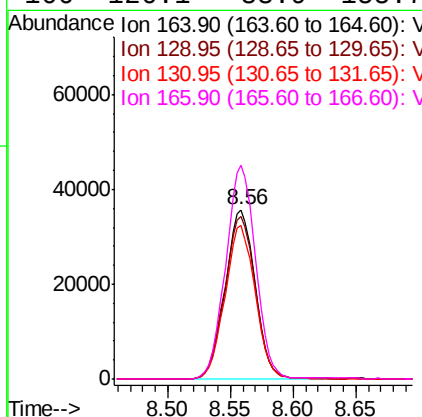
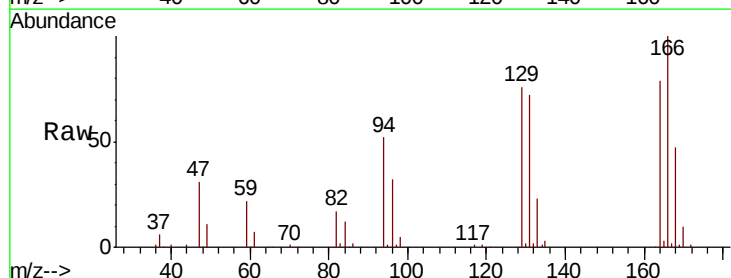
Instrument :
MSVOA_U
ClientSampleId :
COAH0

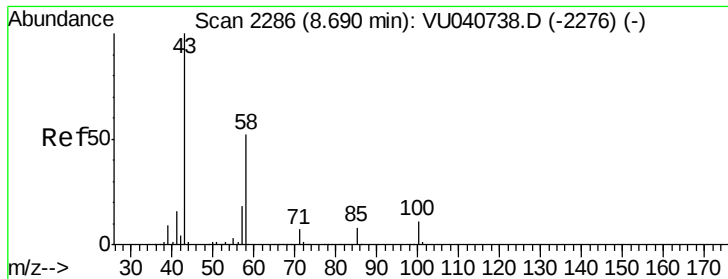
Tot Ion: 75 Resp: 924
Ion Ratio Lower Upper
75 100
77 42.9 20.4 38.0#



#47
Tetrachloroethene
Concen: 8.391 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

Tgt Ion:164 Resp: 58985
Ion Ratio Lower Upper
164 100
129 96.1 68.8 127.8
131 90.3 66.7 123.9
166 126.1 83.9 155.7

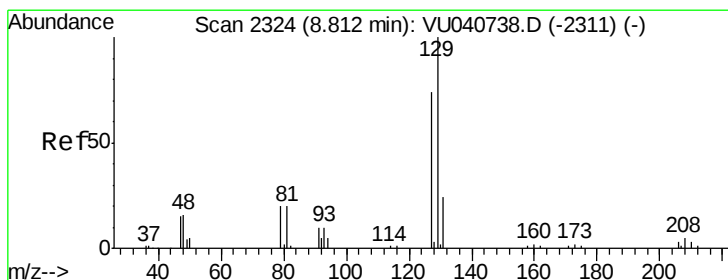
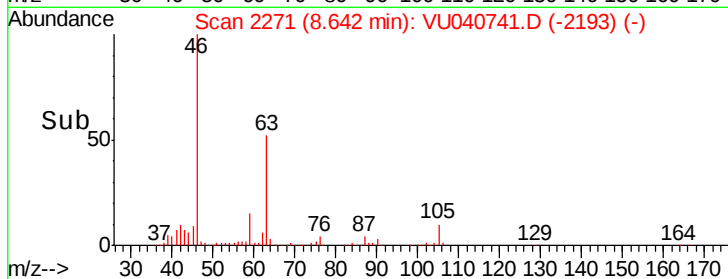
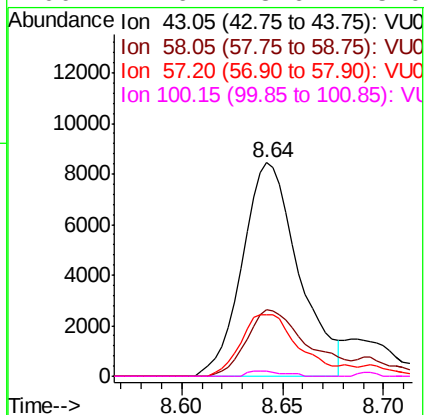
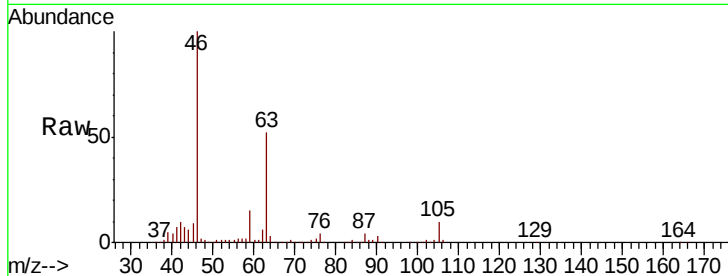




#48
2-Hexanone
Concen: 2.614 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

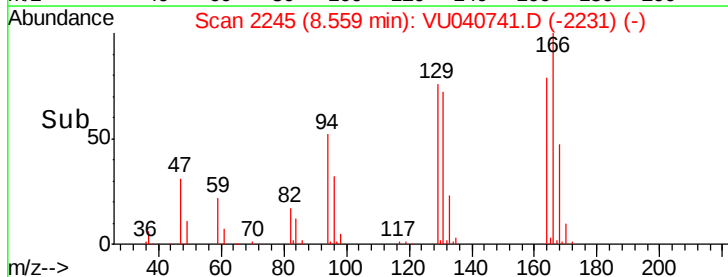
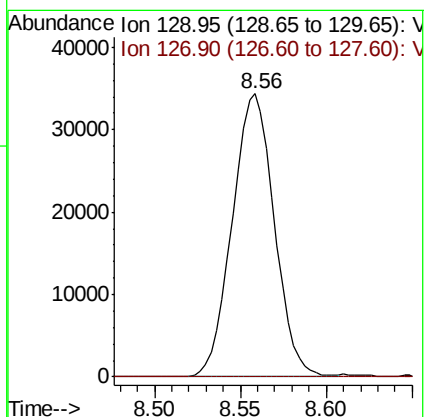
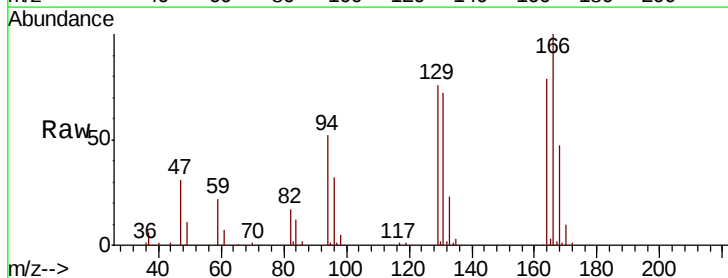
Instrument :
MSVOA_U
ClientSampled :
COAH0

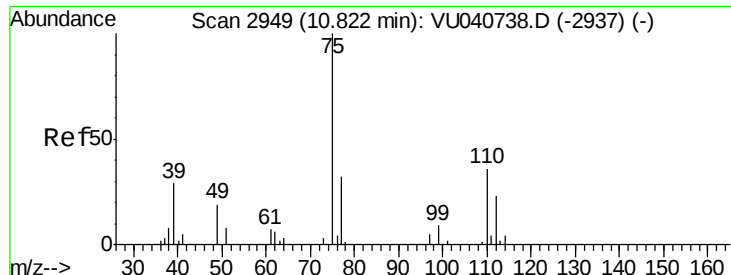
Tot Ion: 43 Resp: 16432
Ion Ratio Lower Upper
43 100
58 34.0 41.0 61.6#
57 31.1 14.4 21.6#
100 1.6 8.6 13.0#



#49
Dibromochloromethane
Concen: 6.312 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040741.D
Acq: 16 Oct 2020 12:05

Tgt Ion: 129 Resp: 57613
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 0.784 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040741.D

Acq: 16 Oct 2020 12:05

Instrument :

MSVOA_U

ClientSampleId :

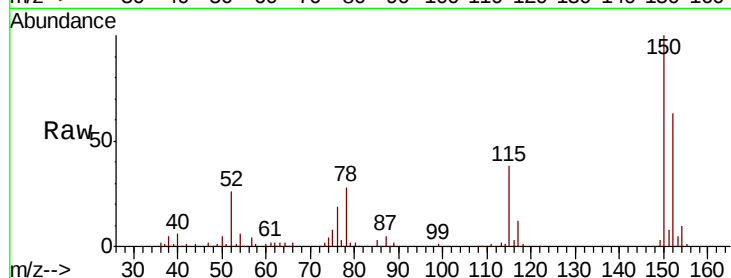
C0AH0

Tot Ion: 75 Resp: 6101

Ion Ratio Lower Upper

75 100

77 39.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

