

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040962.D
 Acq On : 26 Oct 2020 23:34
 Operator : SY/MD
 Sample : L4492-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

Quant Time: Oct 27 05:32:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56489	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	61410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25706	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25453	5.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.20%
7) Chloroethane-d5	1.92	69	21340	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.58	63	37639	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.66	46	87871	56.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.46%
24) Chloroform-d	5.08	84	45056	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.72	65	28661	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.74	84	81963	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.70	67	28090	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.91	98	67815	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.19	79	10786	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.64	63	73506	58.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26284	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	27251	6.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	361	0.107	ug/L #	43
13) Acetone	2.67	43	929	0.869	ug/L	79
14) Carbon disulfide	2.81	76	658	0.049	ug/L #	74
25) Chloroform	5.11	83	4814	0.592	ug/L	88
27) 1,2-Dichloroethane	5.75	62	491	0.081	ug/L #	74
29) 1,1,1-Trichloroethane	5.34	97	1328	0.177	ug/L	89
34) Trichloroethene	6.55	95	26720	5.722	ug/L	99
35) Methylcyclohexane	6.70	83	6531	0.938	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	3147	0.634	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	669	0.098	ug/L #	73
42) Toluene	7.98	91	2505	0.135	ug/L	91
44) trans-1,3-Dichloropropene	8.19	75	440	0.069	ug/L #	55
45) 1,1,2-Trichloroethane	8.60	97	248910	67.346	ug/L #	1
47) Tetrachloroethene	8.62	164	23988889	6986.300	ug/L	92
48) 2-Hexanone	8.64	43	10964	3.678	ug/L #	67
49) Dibromochloromethane	8.61	129	25714511	5990.873	ug/L #	11
51) Chlorobenzene	9.45	112	2721	0.231	ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration

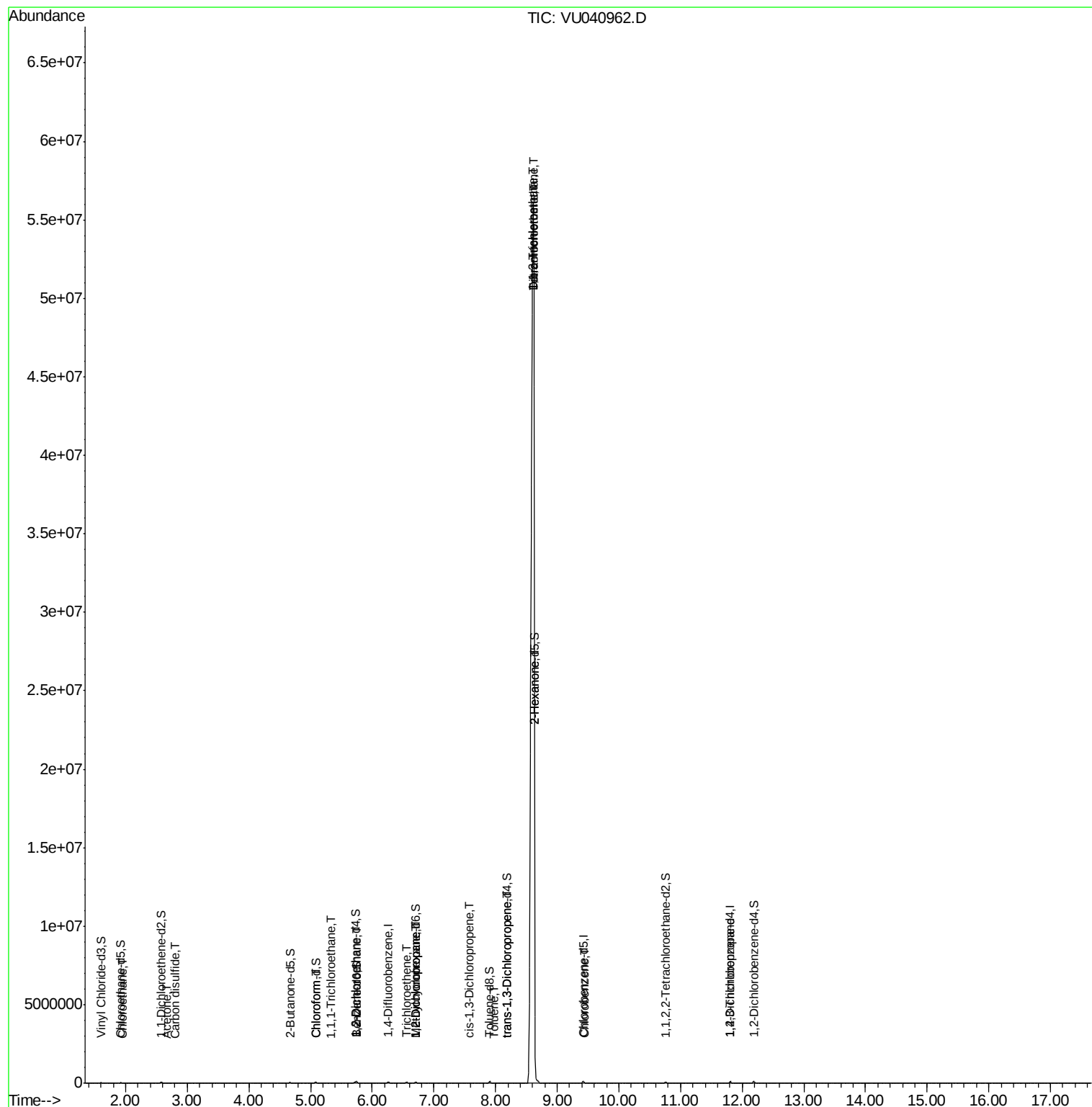
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	3642	0.984	ug/L	99

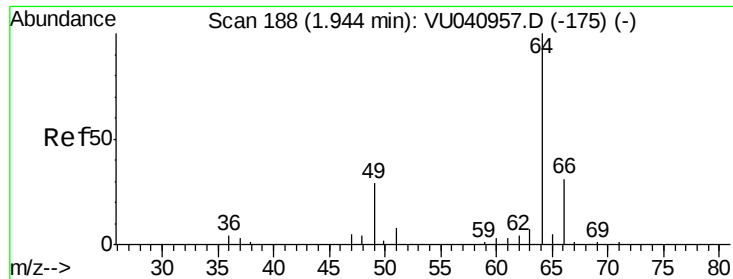
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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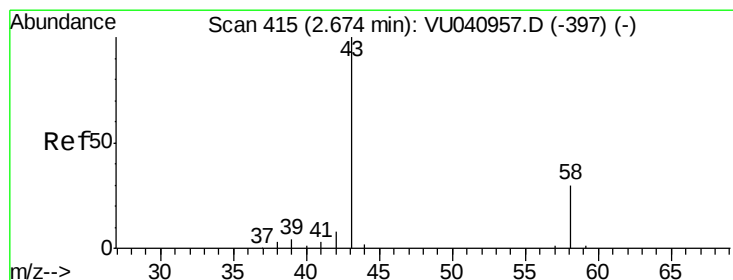
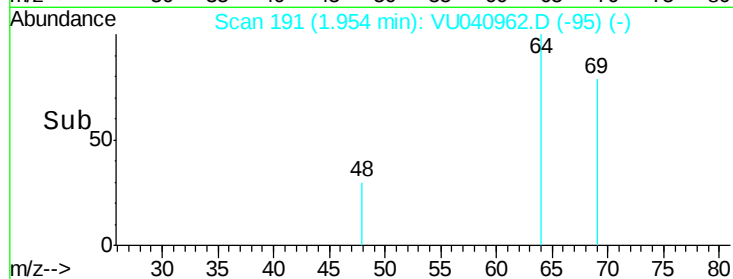
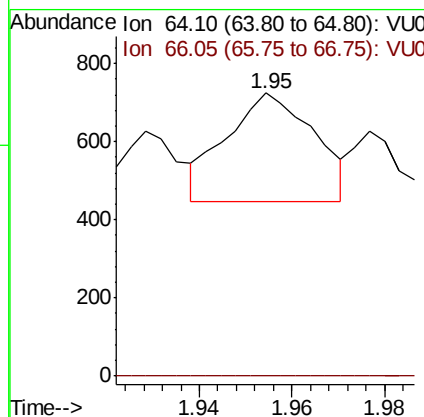
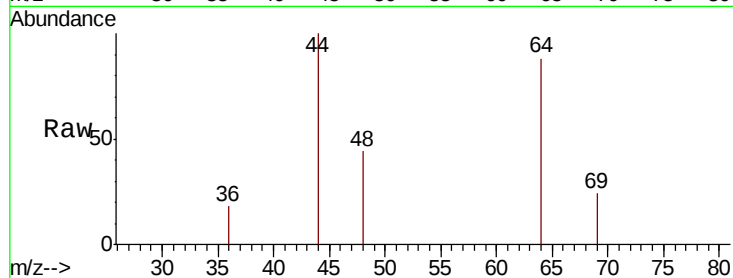




#8
 Chloroethane
 Concen: 0.107 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

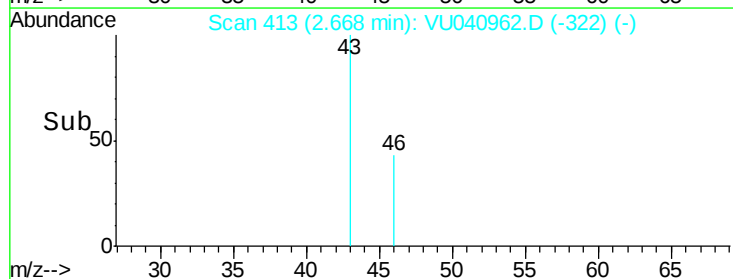
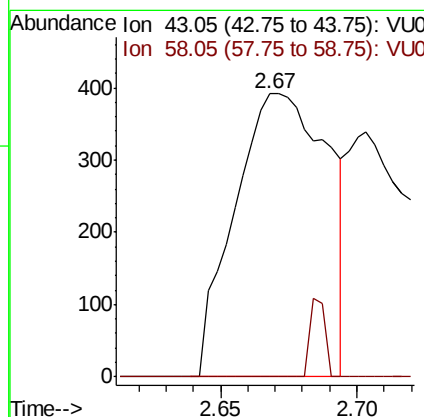
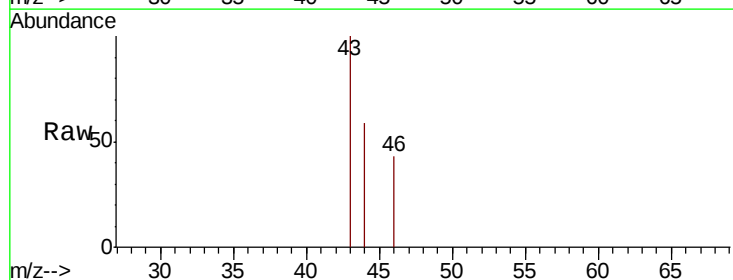
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AP6

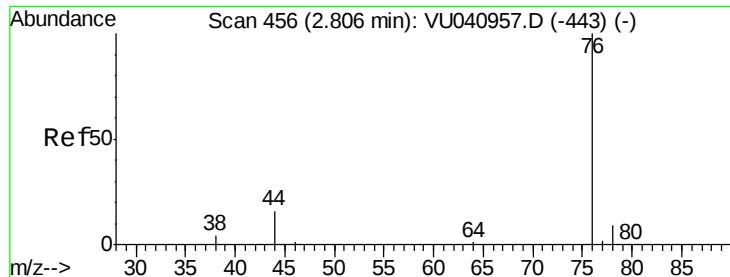
Tot Ion: 64 Resp: 361
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.3 41.5#



#13
 Acetone
 Concen: 0.869 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

Tgt Ion: 43 Resp: 929
 Ion Ratio Lower Upper
 43 100
 58 4.3 0.0 25.4





#14

Carbon disulfide

Concen: 0.049 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

Instrument :

MSVOA_U

ClientSampled :

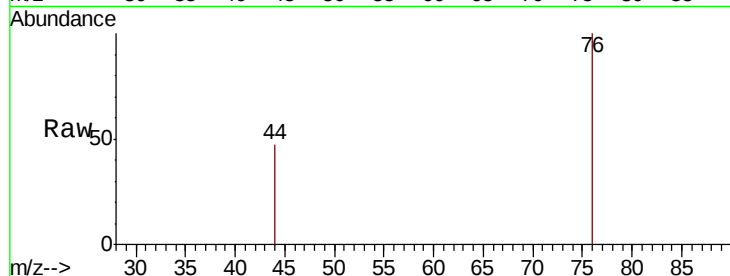
C0AP6

Tot Ion: 76 Resp: 658

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU040957.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040957.D (-443) (-)

2.81

500

400

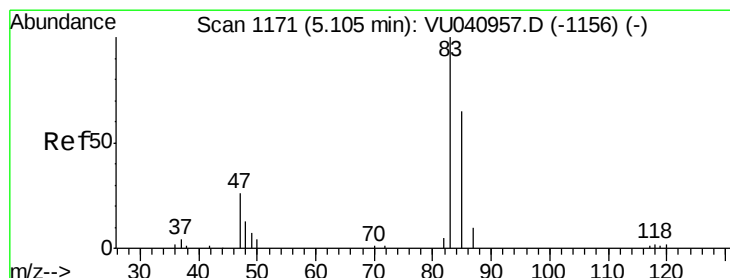
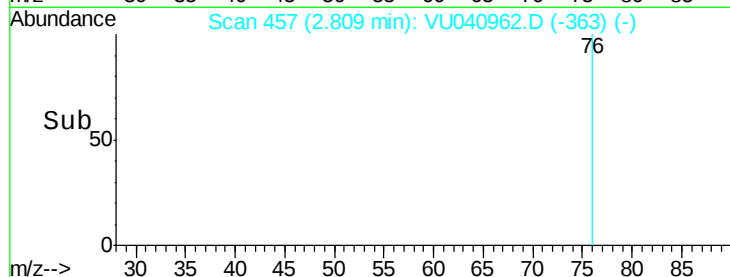
300

200

100

0

Time--> 2.76 2.78 2.80 2.82 2.84



#25

Chloroform

Concen: 0.592 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040962.D

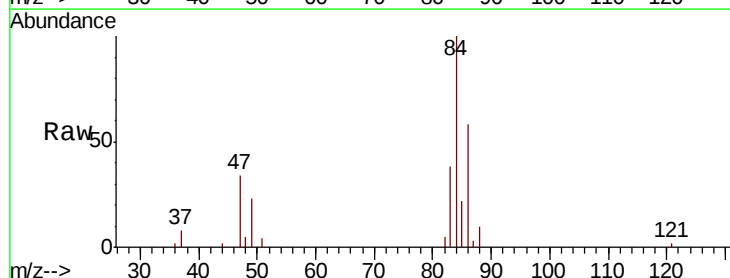
Acq: 26 Oct 2020 23:34

Tgt Ion: 83 Resp: 4814

Ion Ratio Lower Upper

83 100

85 56.3 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU040957.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU040957.D (-1156) (-)

5.11

2500

2000

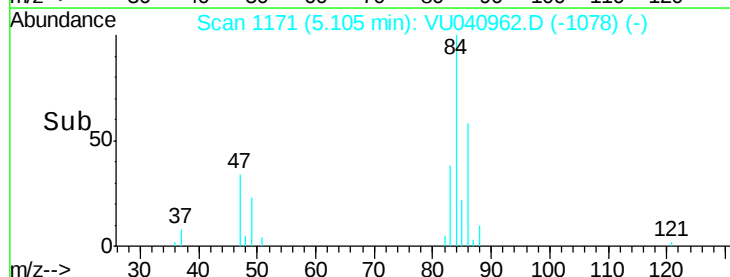
1500

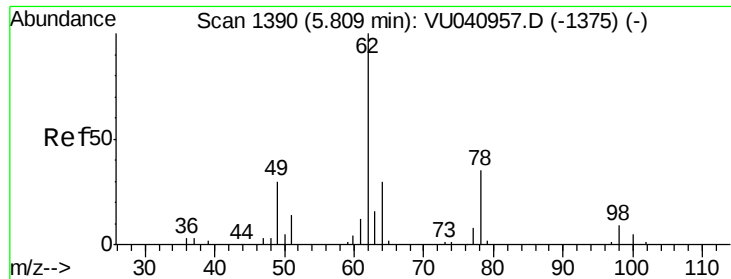
1000

500

0

Time--> 5.05 5.10 5.15

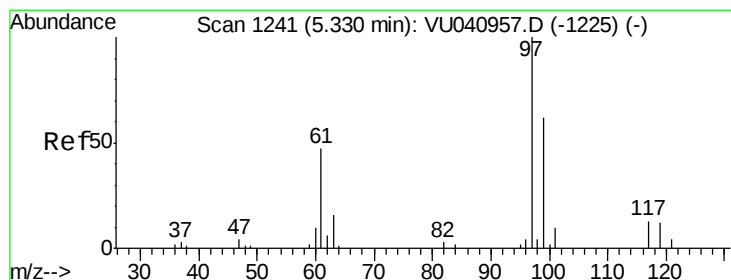
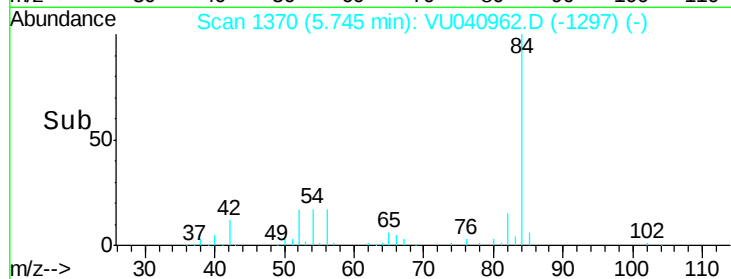
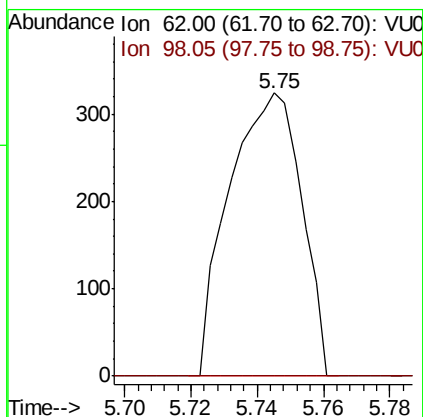
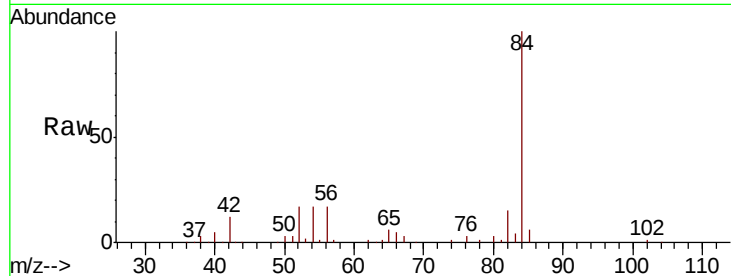




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

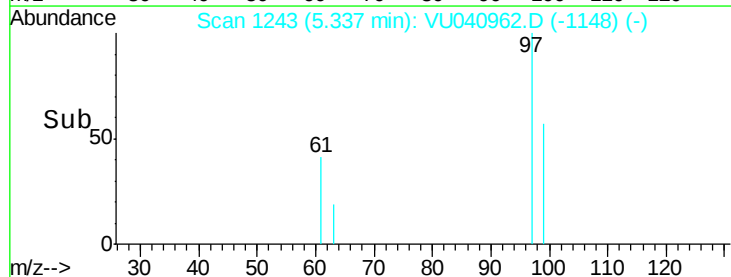
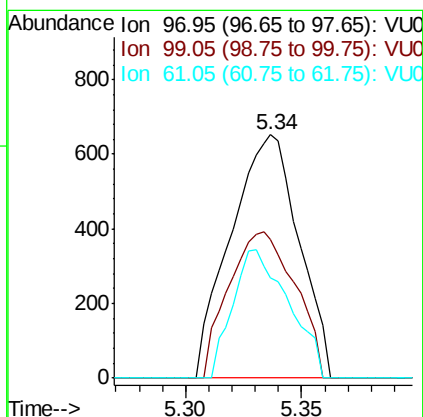
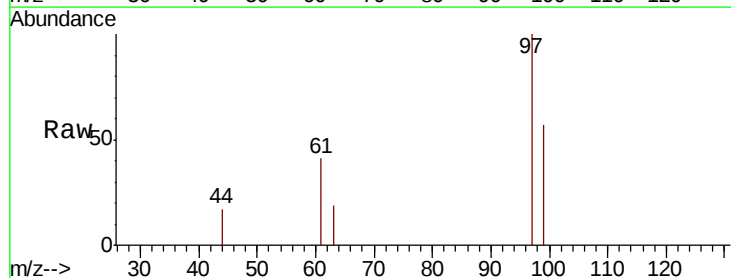
Instrument :
 MSVOA_U
 ClientSampled :
 C0AP6

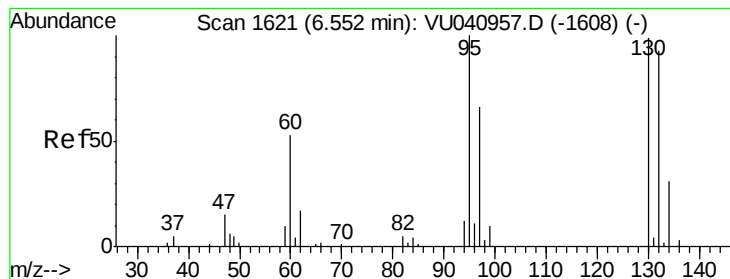
Tot Ion: 62.00 Resp: 491
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.177 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

Tgt Ion: 97 Resp: 1328
 Ion Ratio Lower Upper
 97 100
 99 59.0 53.4 80.0
 61 43.4 41.6 62.4





#34

Trichloroethene

Concen: 5.722 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

Tot Ion: 95 Resp: 26720

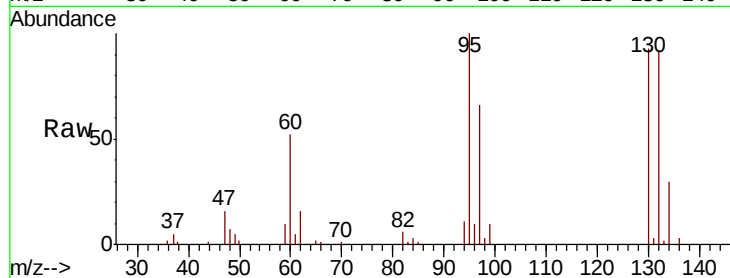
Ion Ratio Lower Upper

95 100

97 65.6 45.6 84.6

132 91.7 64.8 120.4

130 93.1 64.8 120.4

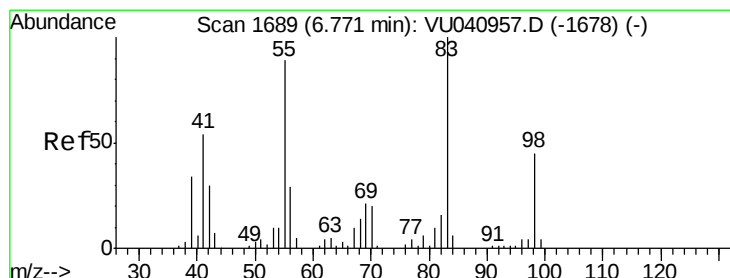
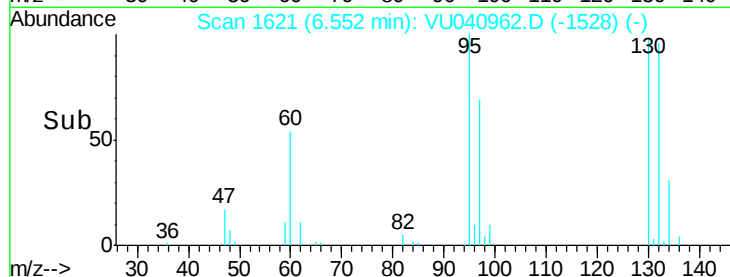
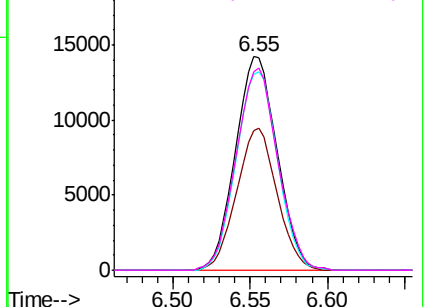


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.938 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

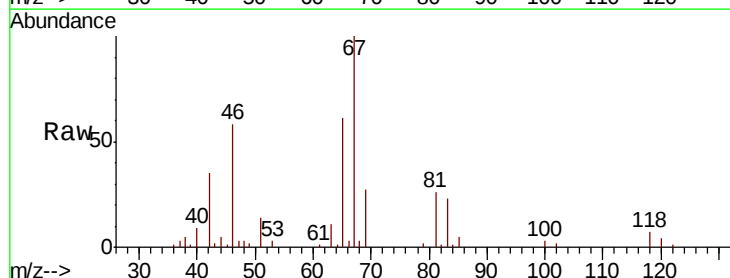
Tgt Ion: 83 Resp: 6531

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

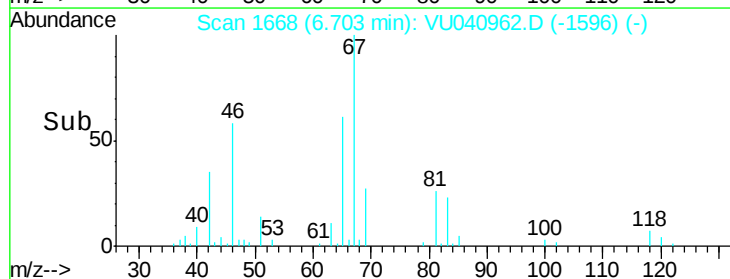
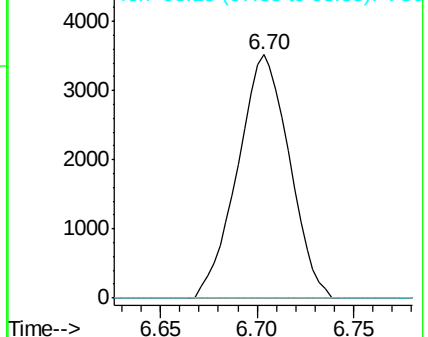
98 0.0 36.6 55.0#

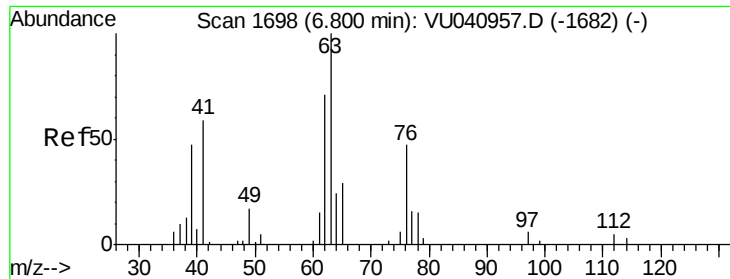


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

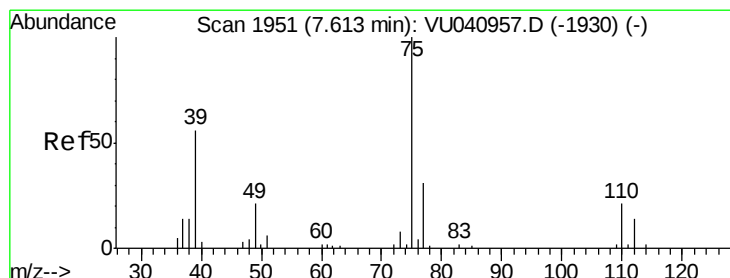
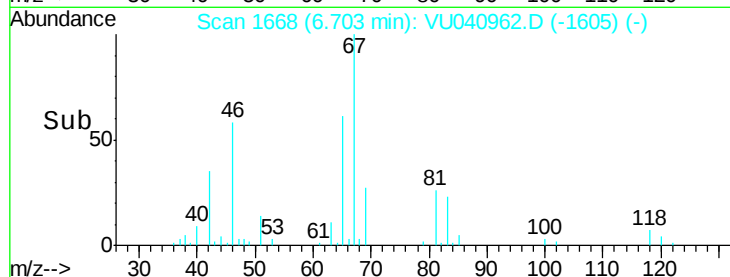
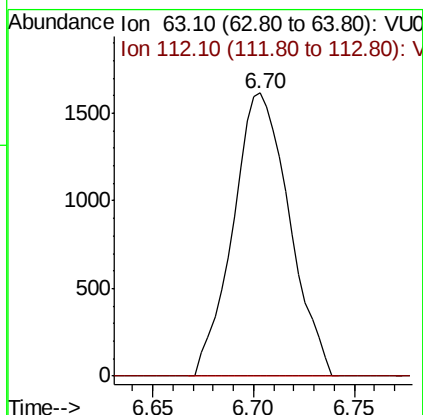
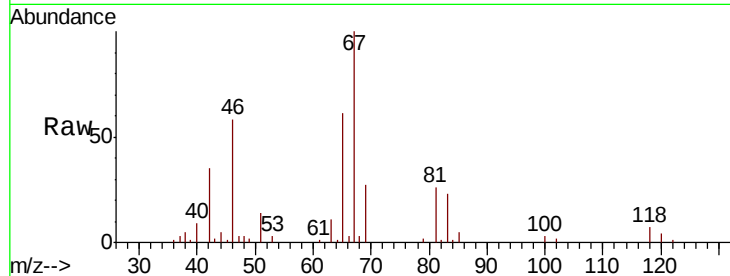




#37
 1,2-Dichloropropane
 Concen: 0.634 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

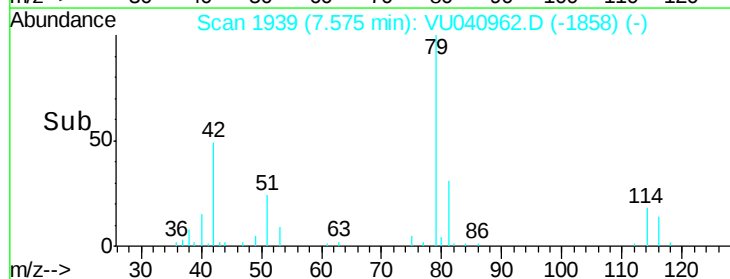
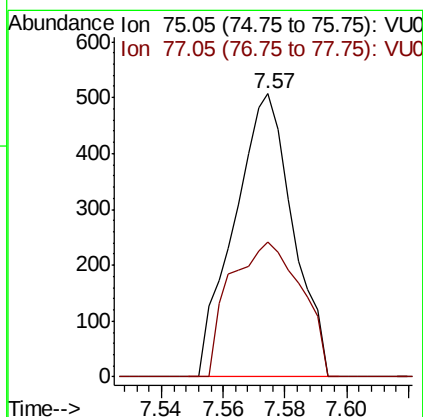
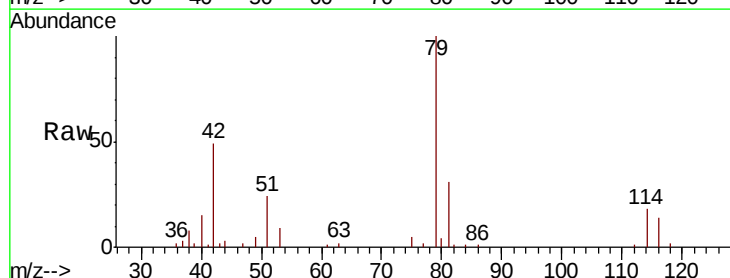
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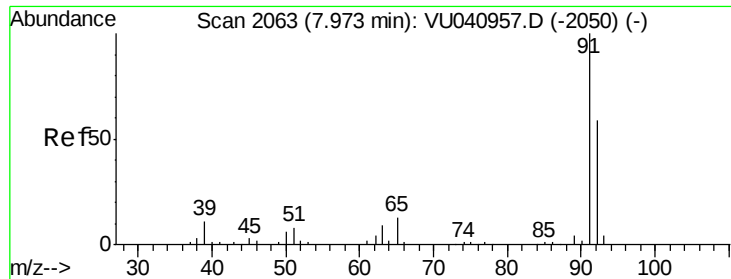
Tot Ion: 63 Resp: 3147
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040962.D
 Acq: 26 Oct 2020 23:34

Tgt Ion: 75 Resp: 669
 Ion Ratio Lower Upper
 75 100
 77 47.7 22.7 42.3#





#42

Toluene

Concen: 0.135 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

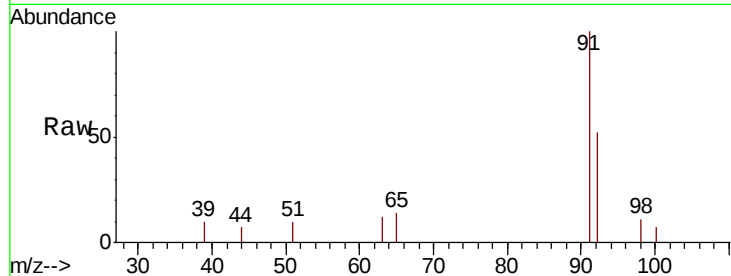
C0AP6

Tot Ion: 91 Resp: 2505

Ion Ratio Lower Upper

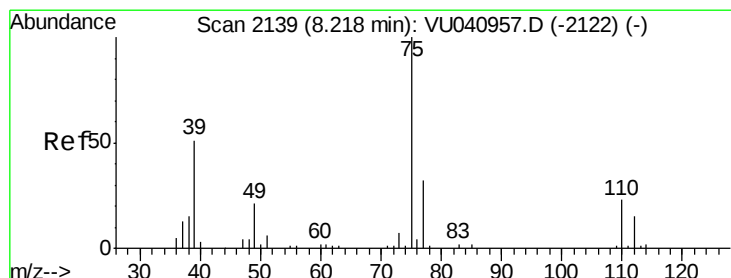
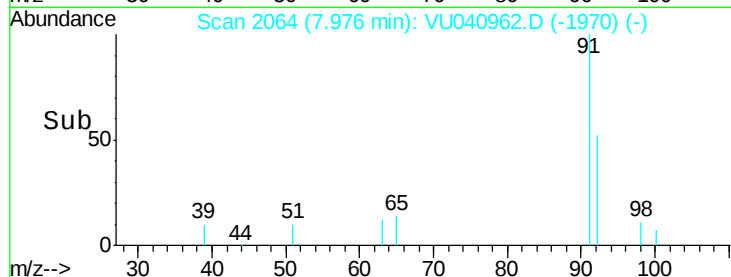
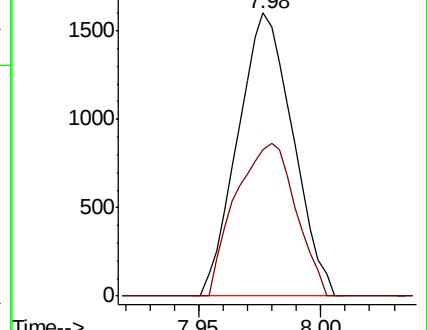
91 100

92 51.7 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU040957.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU040957.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040962.D

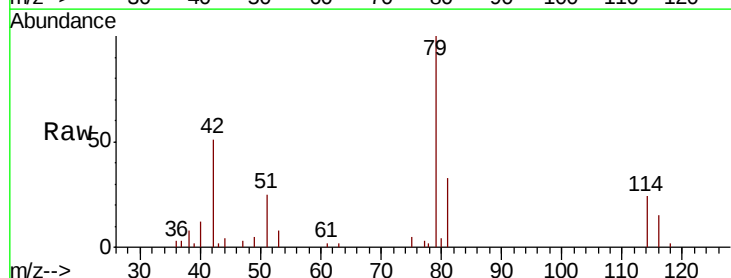
Acq: 26 Oct 2020 23:34

Tgt Ion: 75 Resp: 440

Ion Ratio Lower Upper

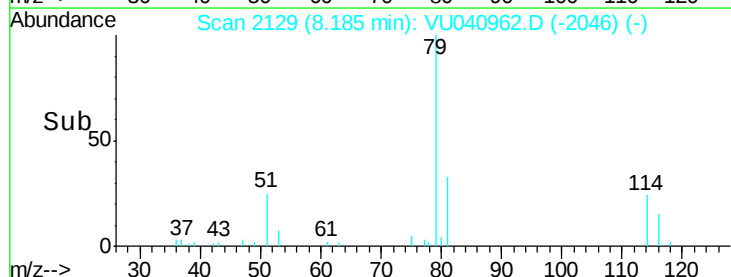
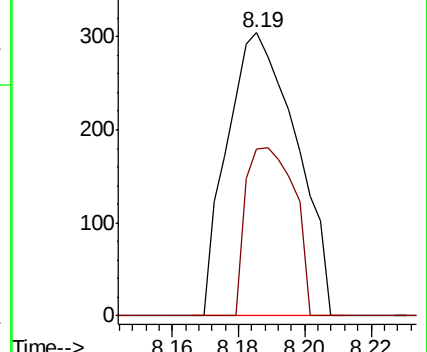
75 100

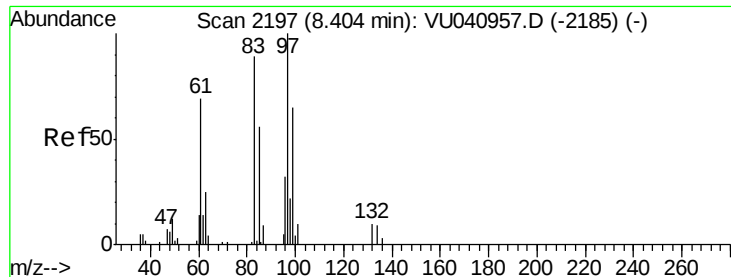
77 58.9 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040957.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU040957.D (-2122) (-)





#45

1,1,2-Trichloroethane

Concen: 67.346 ug/L

RT: 8.60 min Scan# 2258

Delta R.T. 0.20 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

Instrument :

MSVOA_U

ClientSampleId :

C0AP6

Tot Ion: 97 Resp: 248910

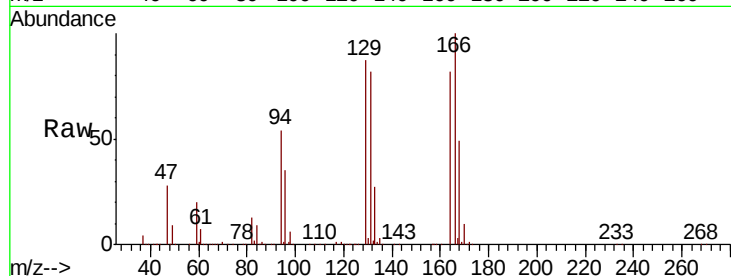
Ion Ratio Lower Upper

97 100

99 15.1 45.8 85.2#

83 258.2 67.9 126.1#

85 36.6 42.8 79.6#



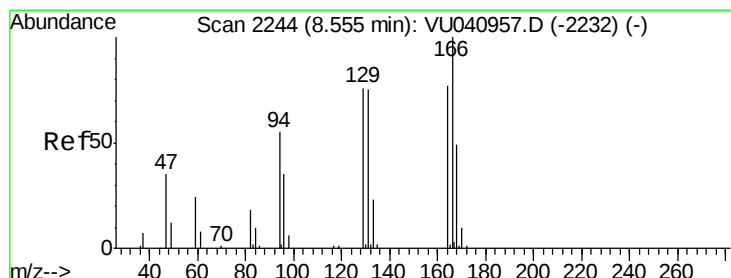
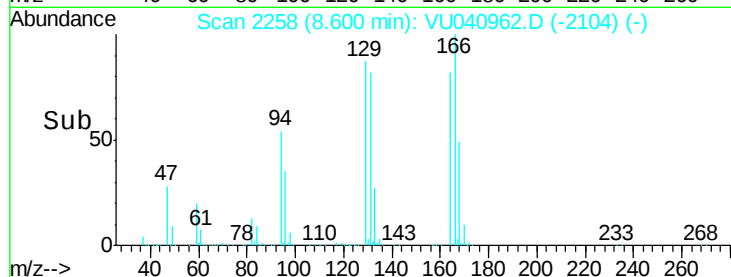
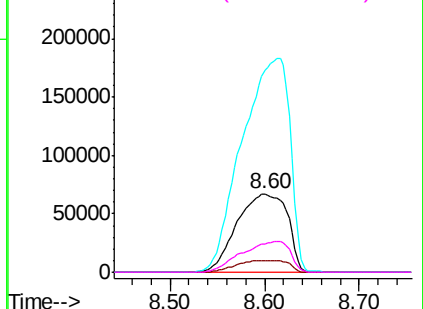
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 6986.300 ug/L

RT: 8.62 min Scan# 2263

Delta R.T. 0.06 min

Lab File: VU040962.D

Acq: 26 Oct 2020 23:34

Tgt Ion: 164 Resp: 23988889

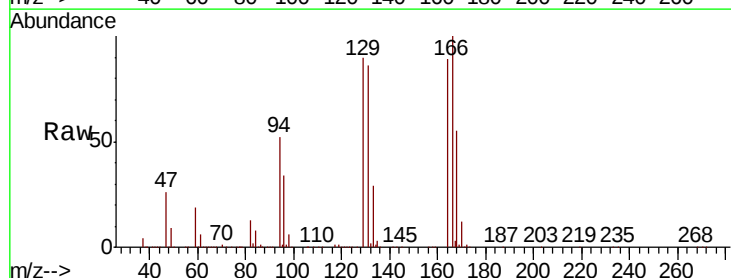
Ion Ratio Lower Upper

164 100

129 100.7 70.3 130.7

131 96.7 70.8 131.4

166 112.5 92.0 170.8



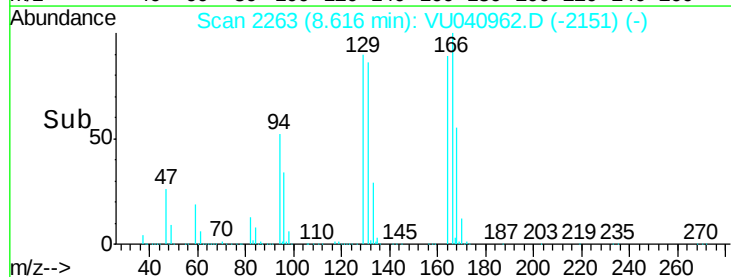
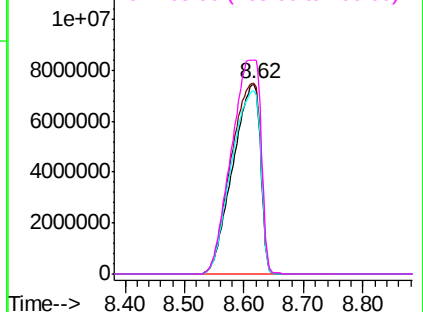
Abundance

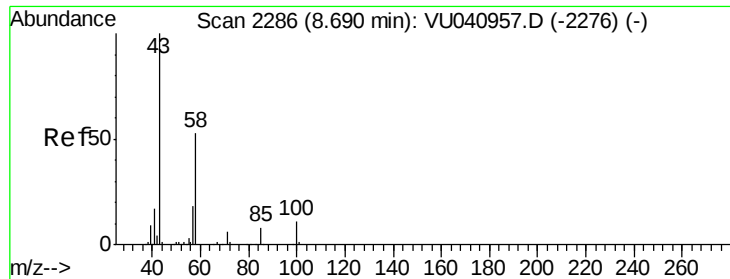
Ion 163.90 (163.60 to 164.60): V

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

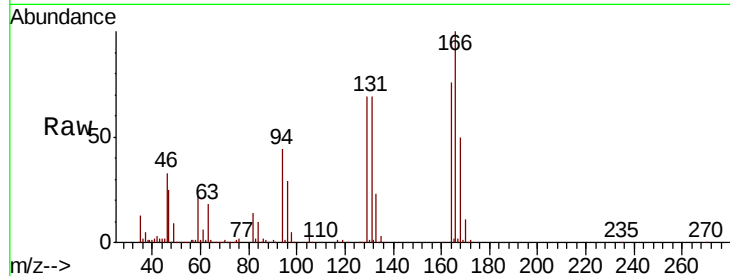




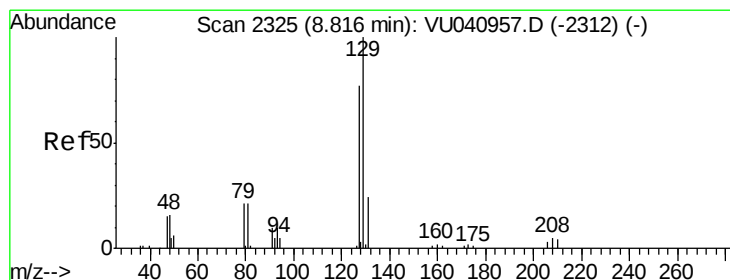
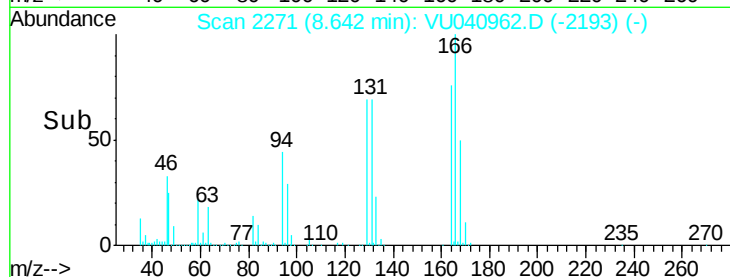
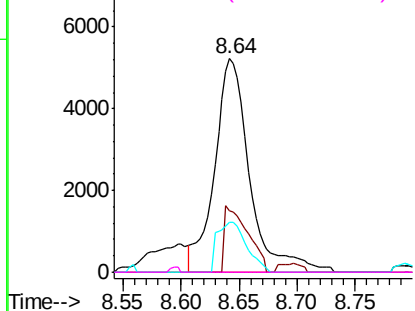
#48
2-Hexanone
Concen: 3.678 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040962.D
Acq: 26 Oct 2020 23:34

Instrument :
MSVOA_U
ClientSampleId :
C0AP6

Tot Ion: 43 Resp: 10964
Ion Ratio Lower Upper
43 100
58 20.3 41.4 62.2#
57 19.7 14.6 21.8
100 0.0 8.3 12.5#

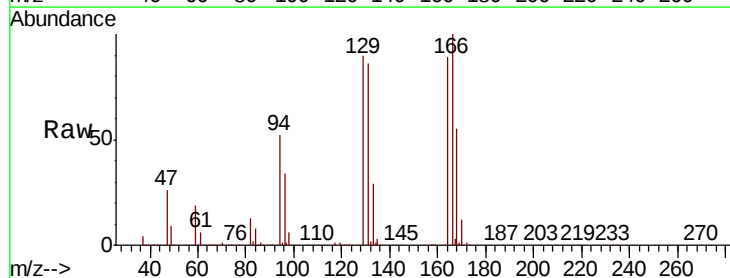


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

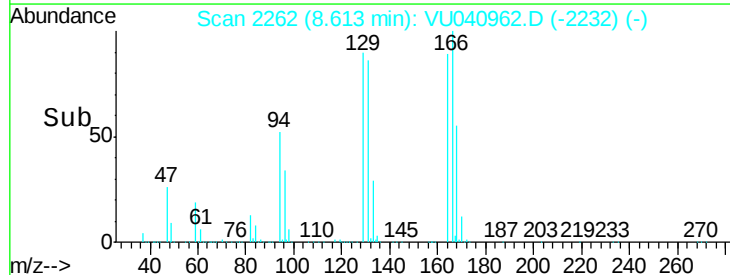
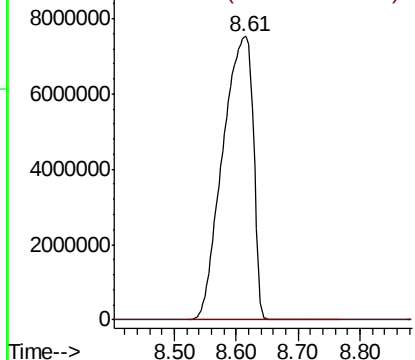


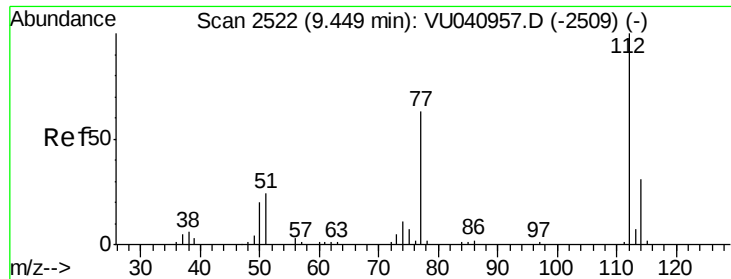
#49
Dibromochloromethane
Concen: 5990.873 ug/L
RT: 8.61 min Scan# 2262
Delta R.T. -0.20 min
Lab File: VU040962.D
Acq: 26 Oct 2020 23:34

Tgt Ion: 129 Resp: 25714511
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

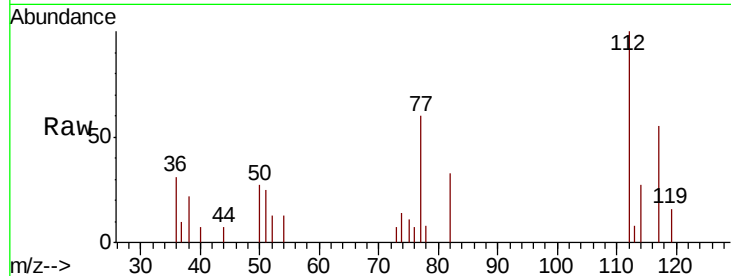




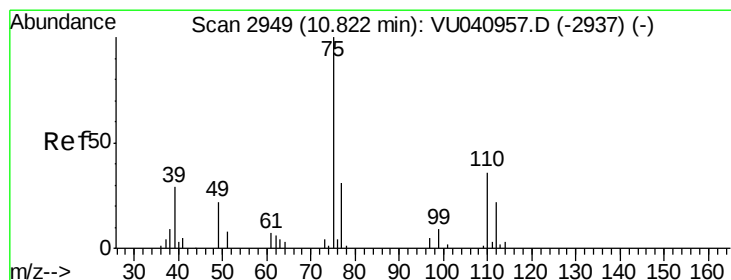
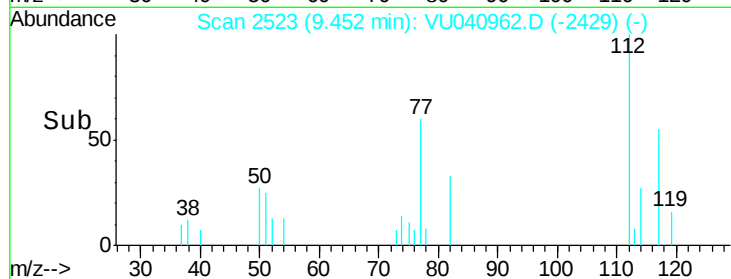
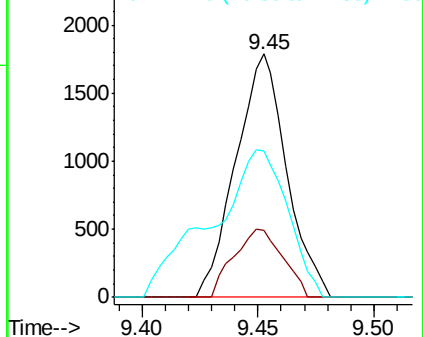
#51
Chlorobenzene
Concen: 0.231 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU040962.D
Acq: 26 Oct 2020 23:34

Instrument :
MSVOA_U
ClientSampleId :
C0AP6

Tot Ion:112 Resp: 2721
Ion Ratio Lower Upper
112 100
114 27.3 22.4 41.6
77 60.2 51.2 76.8

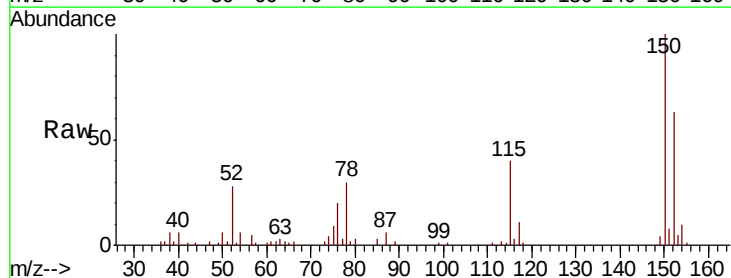


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.984 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU040962.D
Acq: 26 Oct 2020 23:34

Tgt Ion: 75 Resp: 3642
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

