

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040297.D
 Acq On : 25 Sep 2020 14:05
 Operator : SY/MD
 Sample : L4147-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSB0

Quant Time: Sep 26 04:51:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 04:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125454	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127218	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58230	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32702	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.92	69	30813	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.58	63	52462	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.66	46	159268	58.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.26%
24) Chloroform-d	5.08	84	73233	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.72	65	45704	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.74	84	136451	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.70	67	47775	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	111810	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.19	79	17156	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.64	63	110267	51.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	41115	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	45929	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	11423	0.958	ug/L	96
8) Chloroethane	1.94	64	376	0.052	ug/L #	42
13) Acetone	2.66	43	12789	5.043	ug/L	78
21) 2-Butanone	4.74	43	3269	0.789	ug/L #	60
25) Chloroform	5.11	83	1296	0.059	ug/L	98
27) 1,2-Dichloroethane	5.74	62	797	0.049	ug/L #	78
33) Benzene	5.79	78	1362	0.030	ug/L	100
35) Methylcyclohexane	6.70	83	11063	0.592	ug/L #	15
37) 1,2-Dichloropropane	6.71	63	5569	0.452	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1380	0.076	ug/L #	58
42) Toluene	7.98	91	10850	0.231	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	920	0.055	ug/L #	76
47) Tetrachloroethene	8.56	164	1801	0.225	ug/L	97
49) Dibromochloromethane	8.56	129	1859	0.173	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	8385	0.918	ug/L #	83

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 26 04:43:23 2020
Response via : Initial Calibration

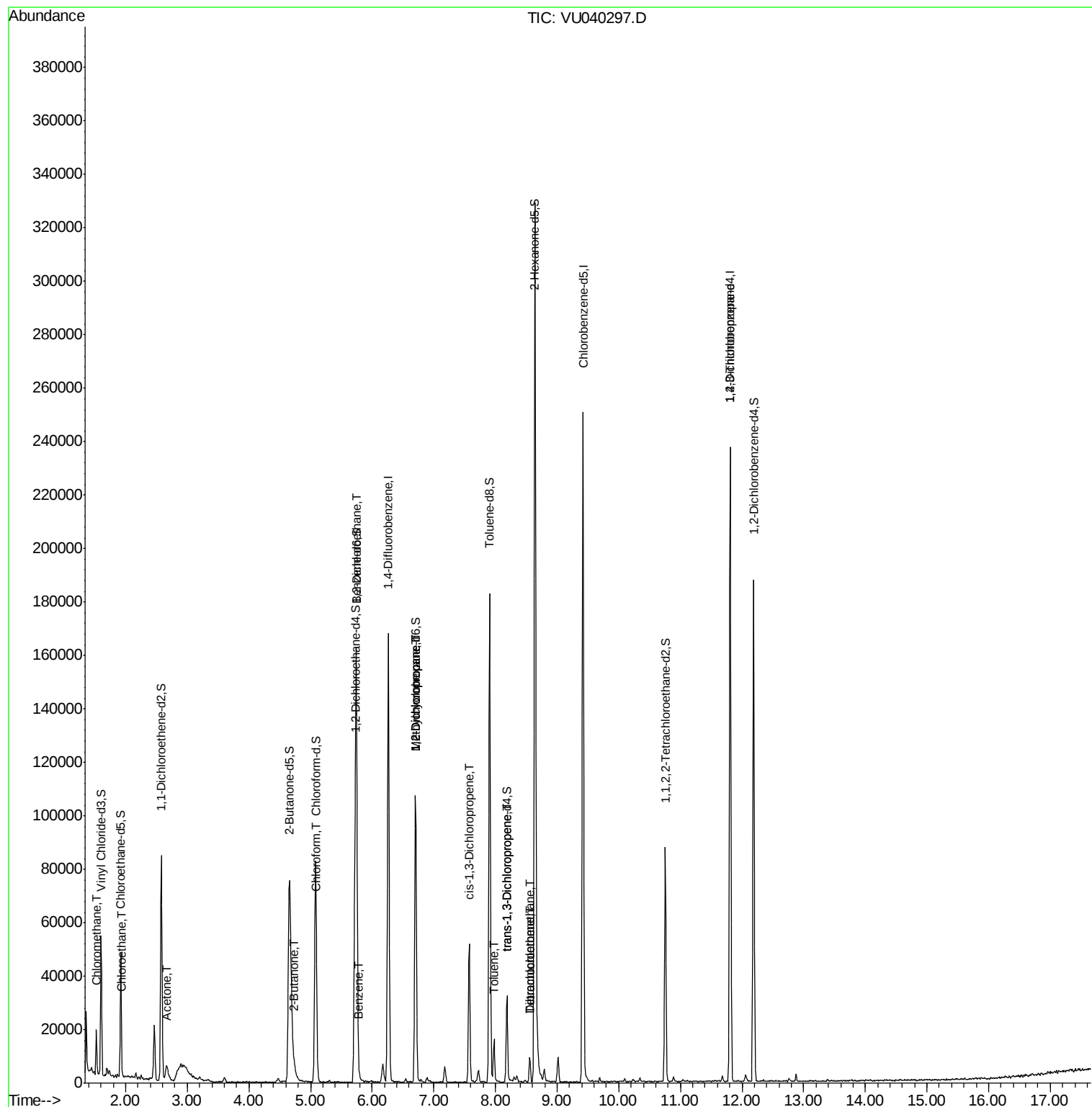
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

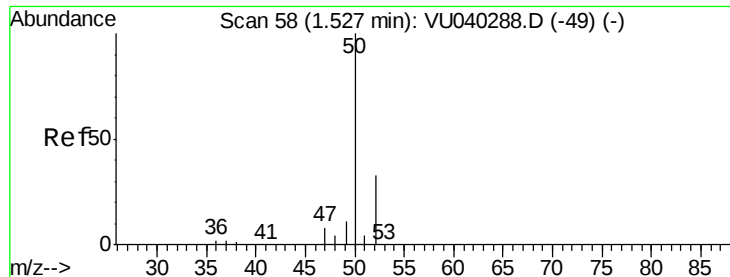
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.958 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040297.D

Acq: 25 Sep 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

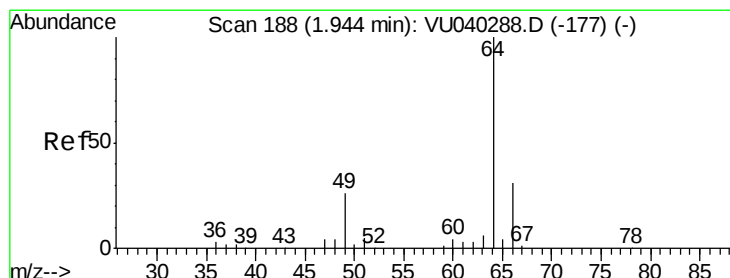
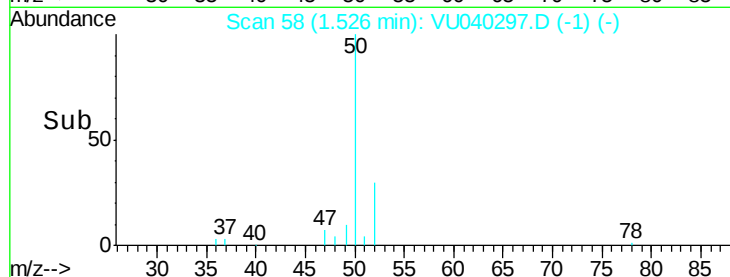
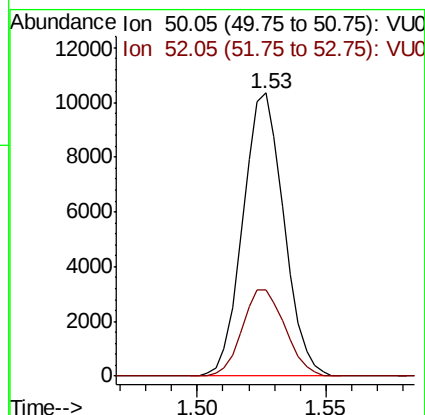
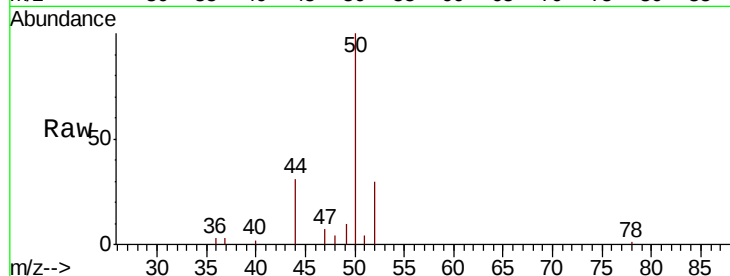
BFSB0

Tot Ion: 50 Resp: 11423

Ion Ratio Lower Upper

50 100

52 30.3 22.8 42.4



#8

Chloroethane

Concen: 0.052 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040297.D

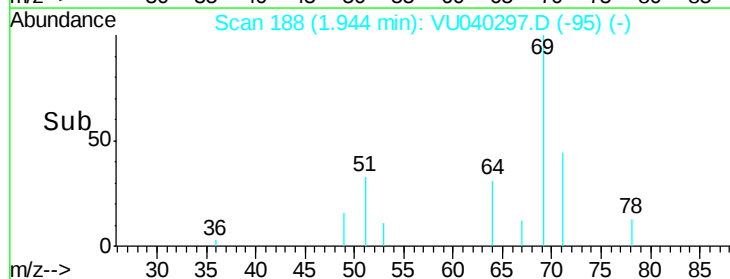
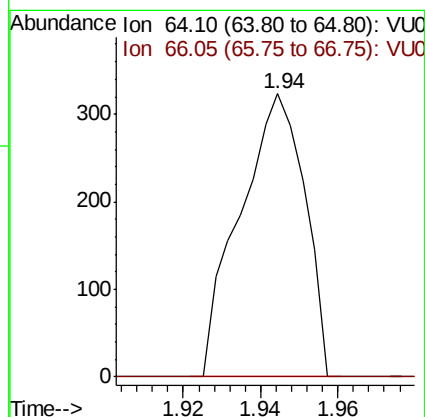
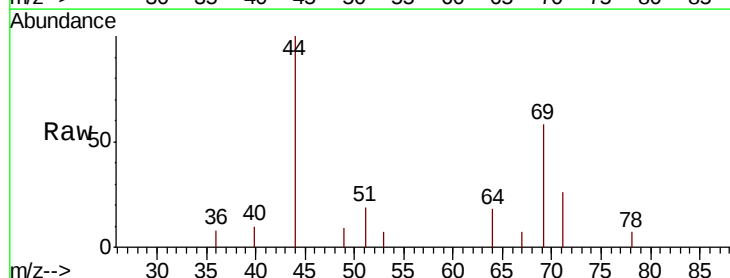
Acq: 25 Sep 2020 14:05

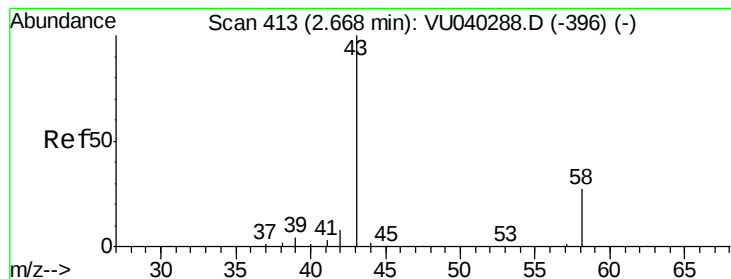
Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 0.0 22.7 42.1#





#13

Acetone

Concen: 5.043 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU040297.D

Acq: 25 Sep 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

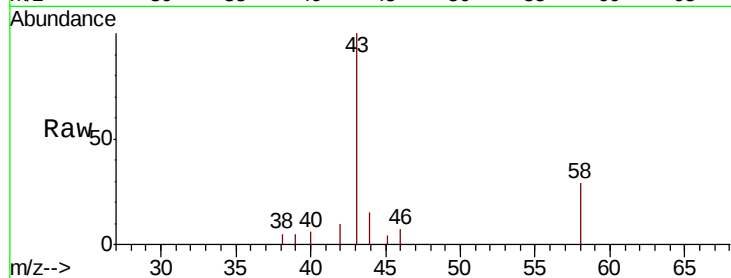
BFSB0

Tot Ion: 43 Resp: 12789

Ion Ratio Lower Upper

43 100

58 16.4 0.0 55.4



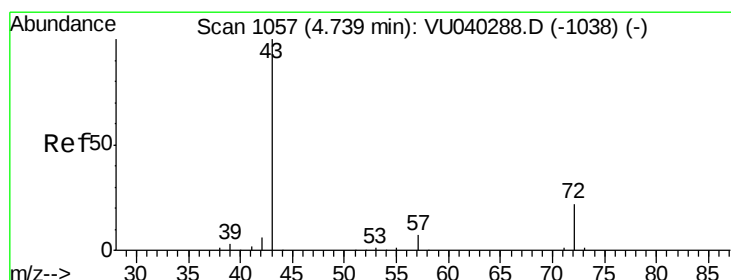
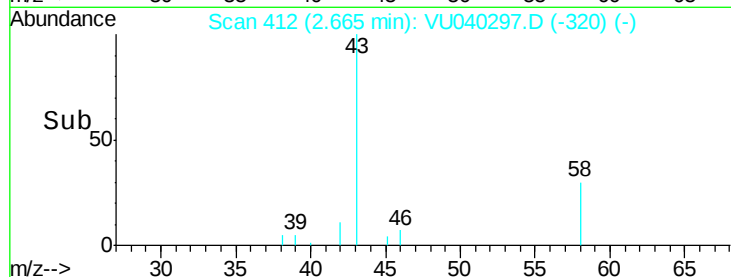
Abundance Ion 43.05 (42.75 to 43.75): VU040288.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040288.D (-396) (-)

2.66

Time-->

2.55 2.60 2.65 2.70 2.75



#21

2-Butanone

Concen: 0.789 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU040297.D

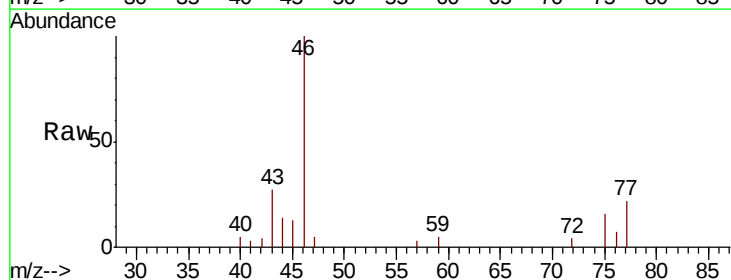
Acq: 25 Sep 2020 14:05

Tgt Ion: 43 Resp: 3269

Ion Ratio Lower Upper

43 100

72 3.7 11.7 35.0#



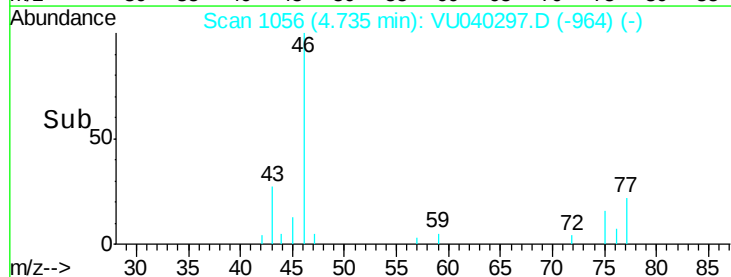
Abundance Ion 43.05 (42.75 to 43.75): VU040288.D (-1038) (-)

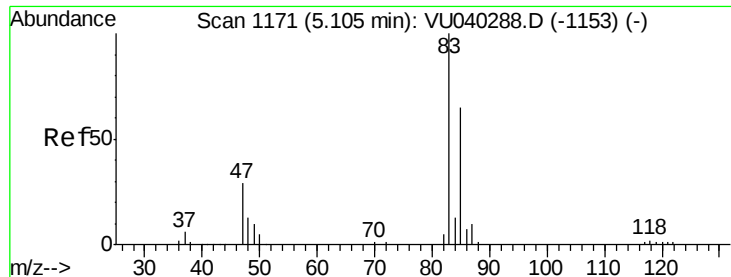
Ion 72.10 (71.80 to 72.80): VU040288.D (-1038) (-)

4.74

Time-->

4.70 4.75 4.80

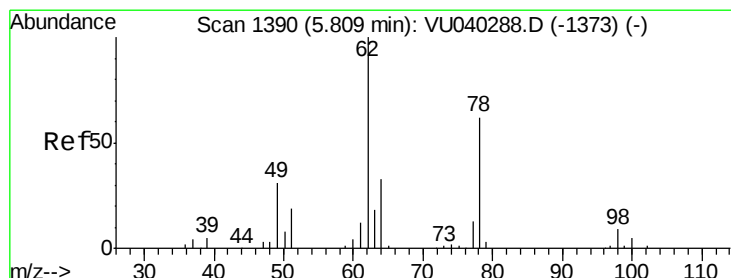
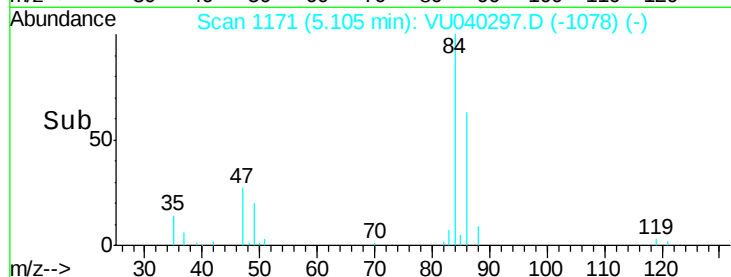
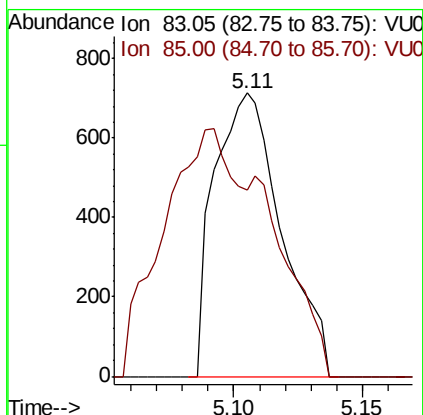
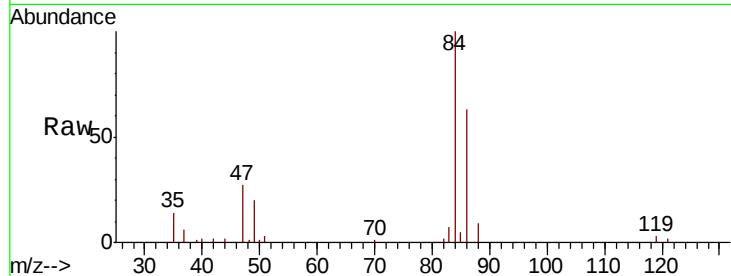




#25
Chloroform
Concen: 0.059 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040297.D
Acq: 25 Sep 2020 14:05

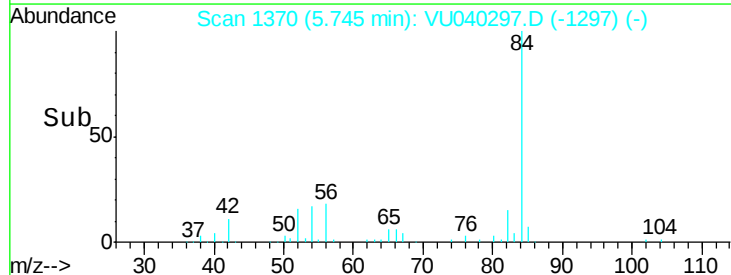
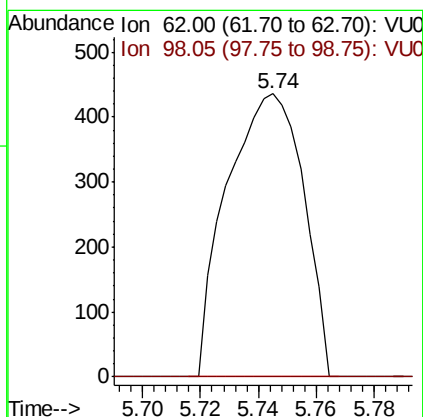
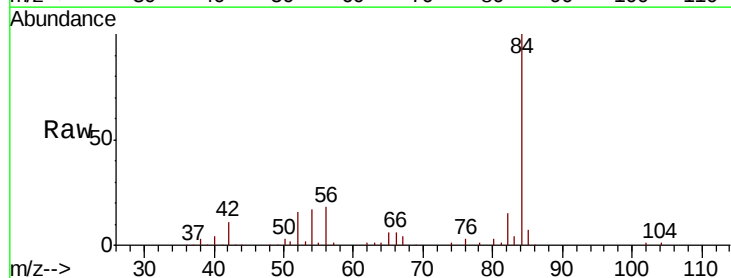
Instrument :
MSVOA_U
ClientSampled :
BFSB0

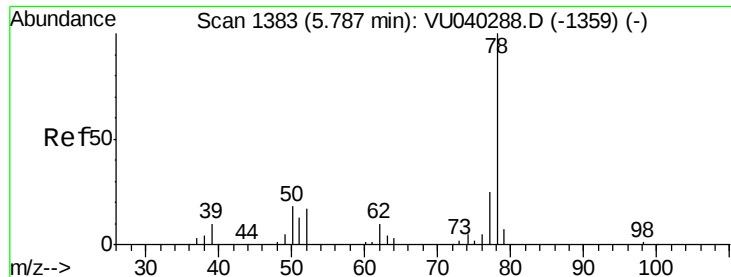
Tot Ion: 83 Resp: 1296
Ion Ratio Lower Upper
83 100
85 65.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.049 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU040297.D
Acq: 25 Sep 2020 14:05

Tgt Ion: 62 Resp: 797
Ion Ratio Lower Upper
62 100
98 0.0 6.1 9.1#

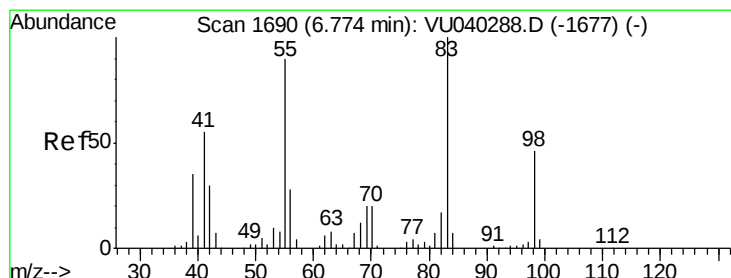
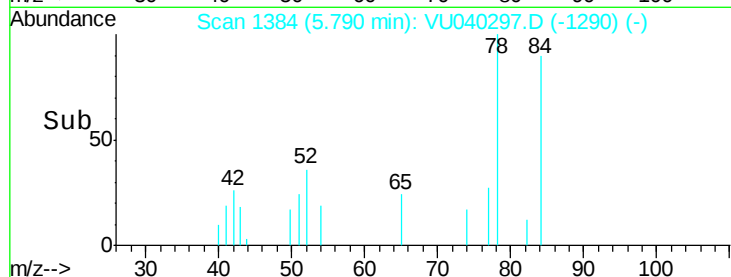
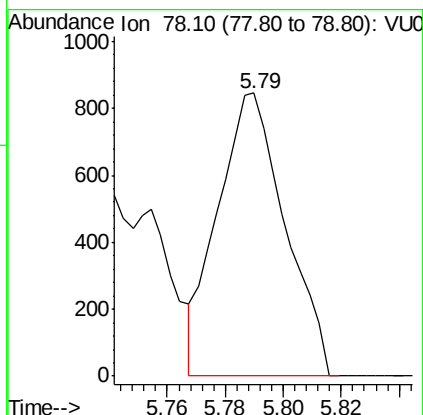
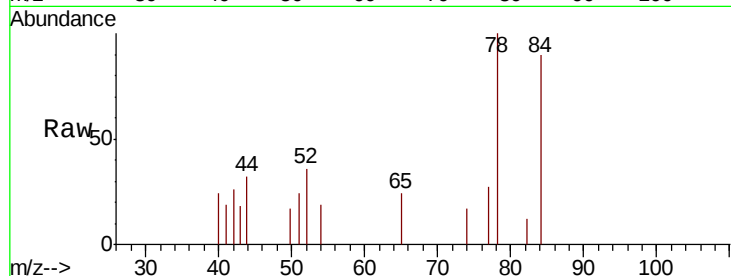




#33
Benzene
Concen: 0.030 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040297.D
Acq: 25 Sep 2020 14:05

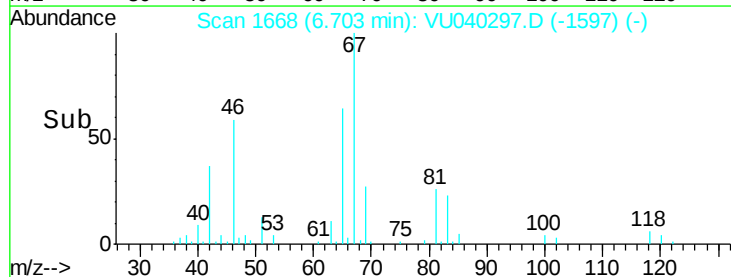
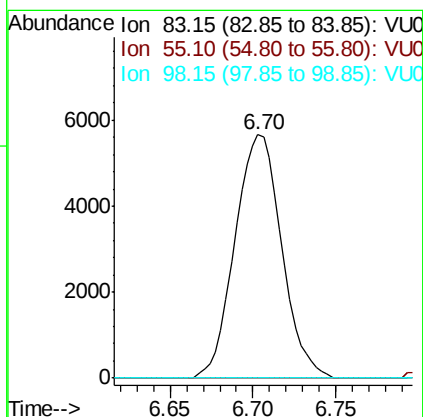
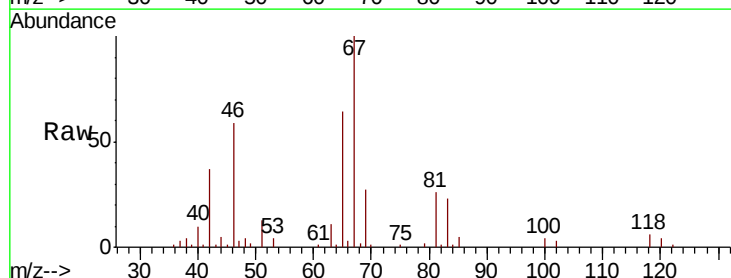
Instrument :
MSVOA_U
ClientSampleId :
BFSB0

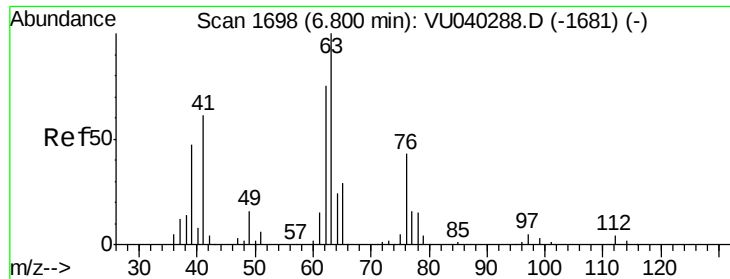
Tgt Ion: 78 Resp: 1362



#35
Methylcyclohexane
Concen: 0.592 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040297.D
Acq: 25 Sep 2020 14:05

Tgt Ion: 83 Resp: 11063
Ion Ratio Lower Upper
83 100
55 0.6 70.5 105.7#
98 0.8 37.8 56.6#

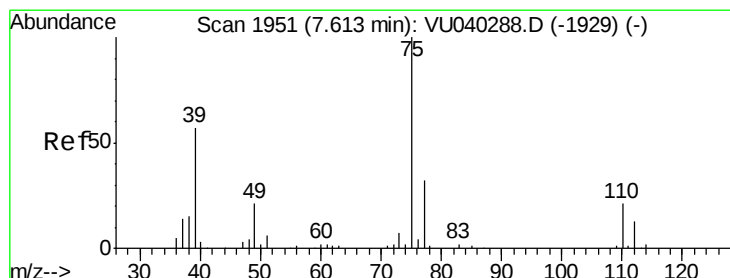
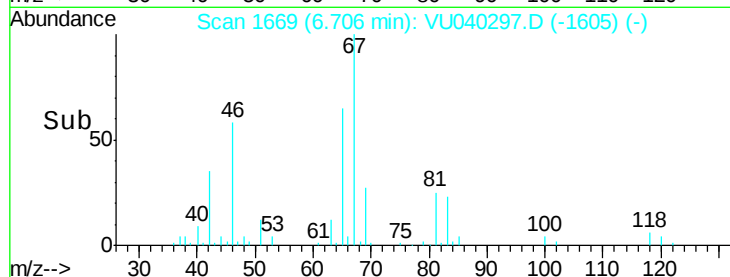
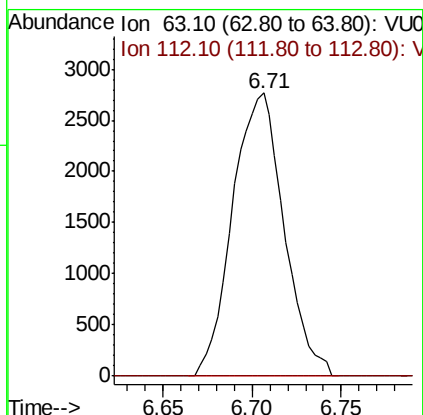
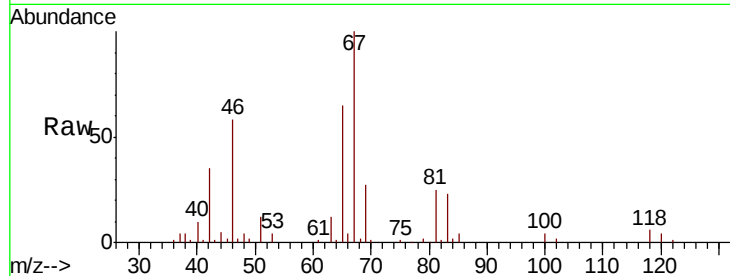




#37
 1,2-Dichloropropane
 Concen: 0.452 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040297.D
 Acq: 25 Sep 2020 14:05

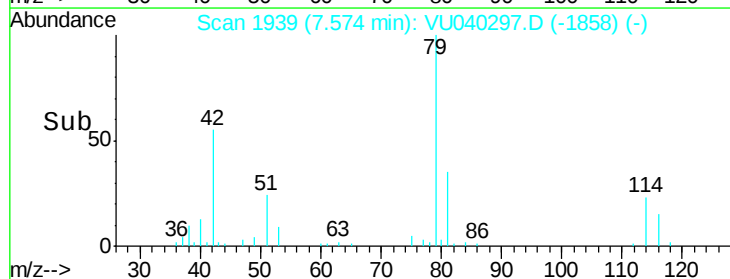
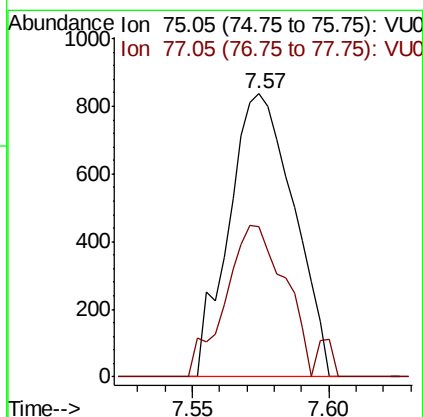
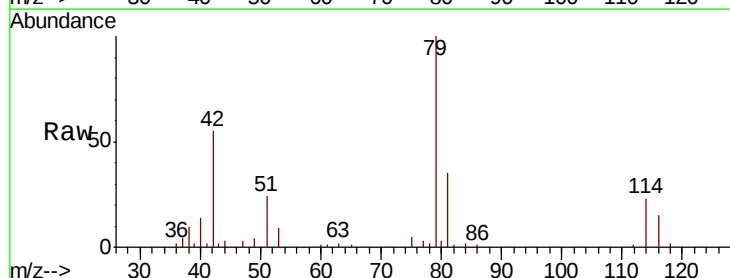
Instrument :
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 ClientSampled :
 BFSB0

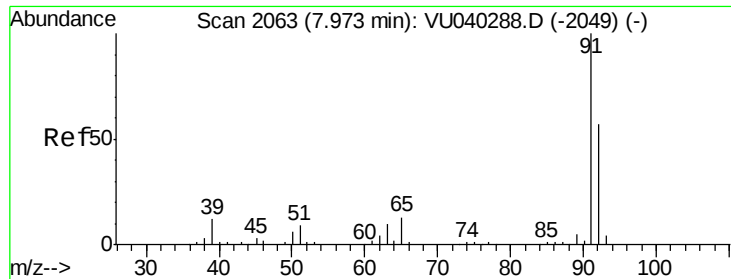
Tot Ion: 63 Resp: 5569
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040297.D
 Acq: 25 Sep 2020 14:05

Tgt Ion: 75 Resp: 1380
 Ion Ratio Lower Upper
 75 100
 77 52.9 21.1 39.3#





#42

Toluene

Concen: 0.231 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040297.D

Acq: 25 Sep 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

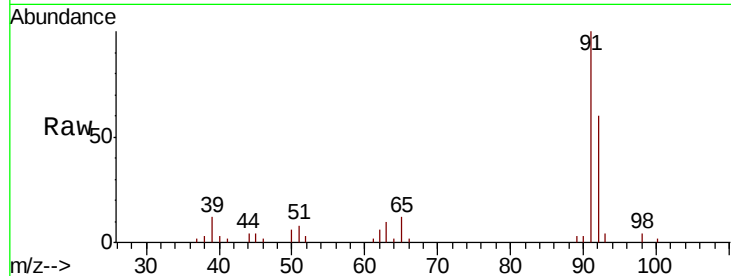
BFSB0

Tot Ion: 91 Resp: 10850

Ion Ratio Lower Upper

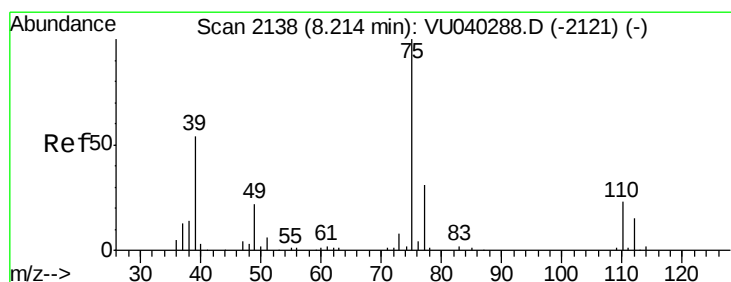
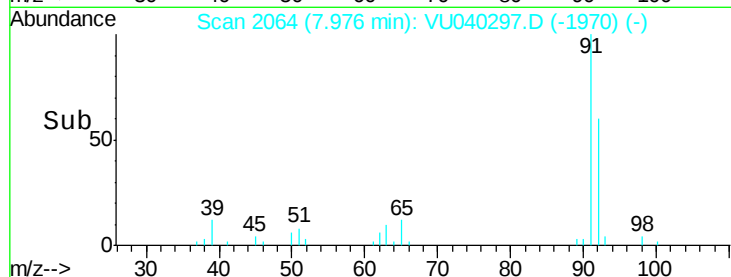
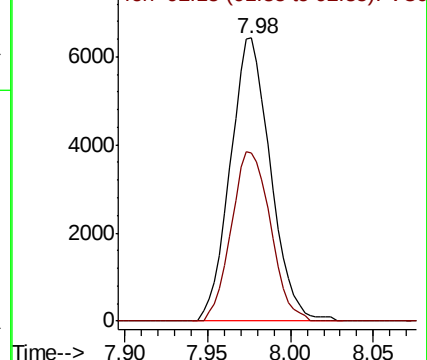
91 100

92 59.6 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.055 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040297.D

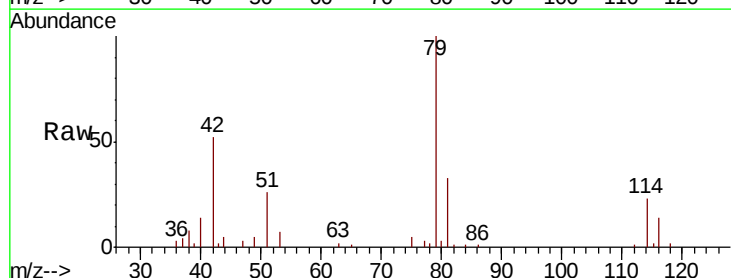
Acq: 25 Sep 2020 14:05

Tgt Ion: 75 Resp: 920

Ion Ratio Lower Upper

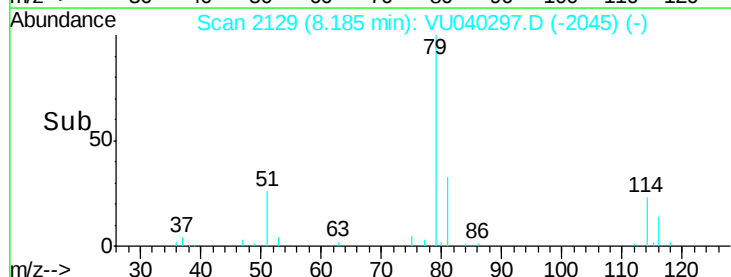
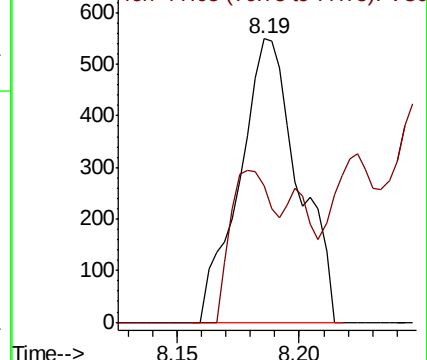
75 100

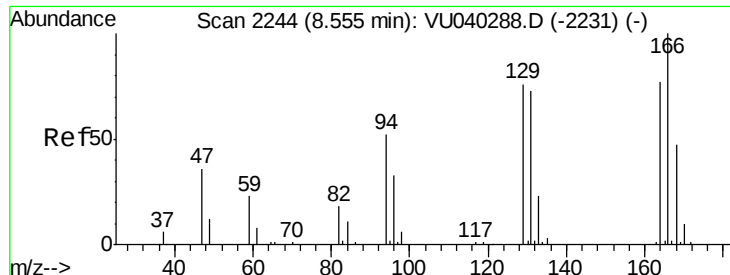
77 48.1 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.225 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040297.D

Acq: 25 Sep 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFSB0

Tot Ion:164 Resp: 1801

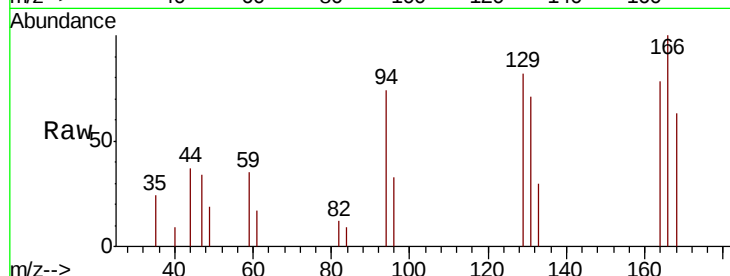
Ion Ratio Lower Upper

164 100

129 105.5 71.5 132.7

131 91.2 65.9 122.5

166 128.7 87.3 162.1



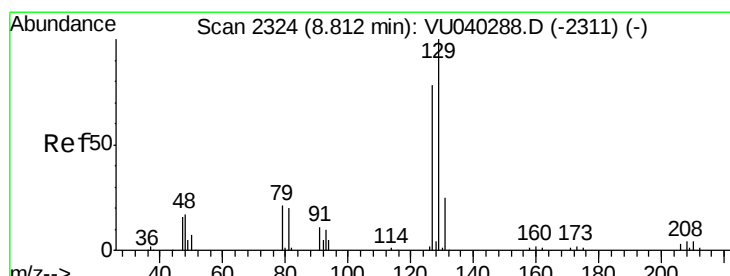
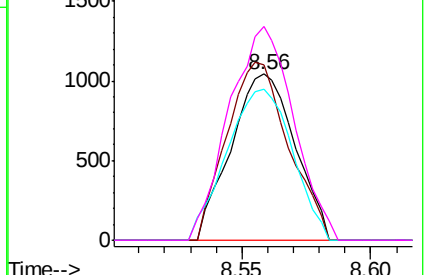
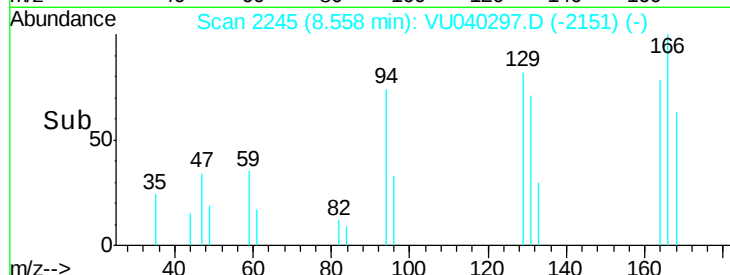
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



#49

Dibromochloromethane

Concen: 0.173 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU040297.D

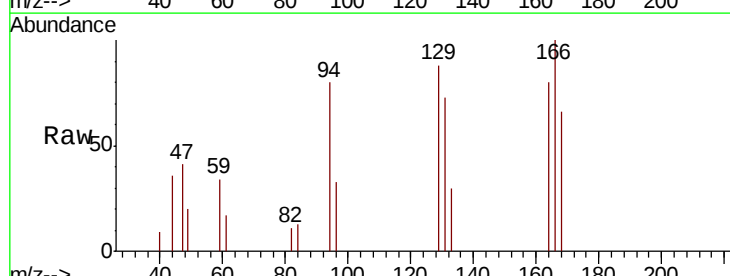
Acq: 25 Sep 2020 14:05

Tgt Ion:129 Resp: 1859

Ion Ratio Lower Upper

129 100

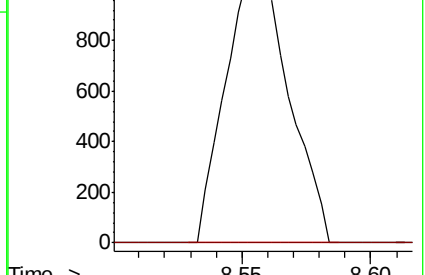
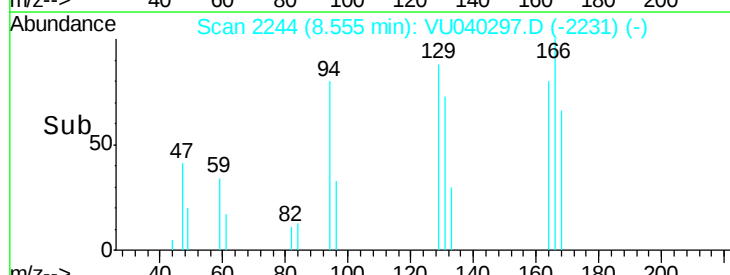
127 0.0 53.7 99.7#

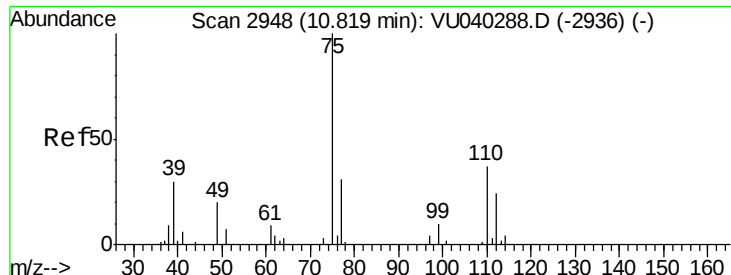


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.918 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040297.D

Acq: 25 Sep 2020 14:05

Instrument :

MSVOA_U

ClientSampleId :

BFSB0

Tot Ion: 75 Resp: 8385

Ion Ratio Lower Upper

75 100

77 40.3 24.9 37.3#

