

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040295.D
 Acq On : 25 Sep 2020 13:18
 Operator : SY/MD
 Sample : L4147-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSAS

Quant Time: Sep 26 04:51:23 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	125787	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128031	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56861	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33992	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	33266	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.58	63	56933	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.66	46	163563	59.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.08%
24) Chloroform-d	5.08	84	77172	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	47517	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.74	84	143175	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	50312	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.91	98	117564	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.19	79	18626	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.64	63	112668	52.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	42666	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48262	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

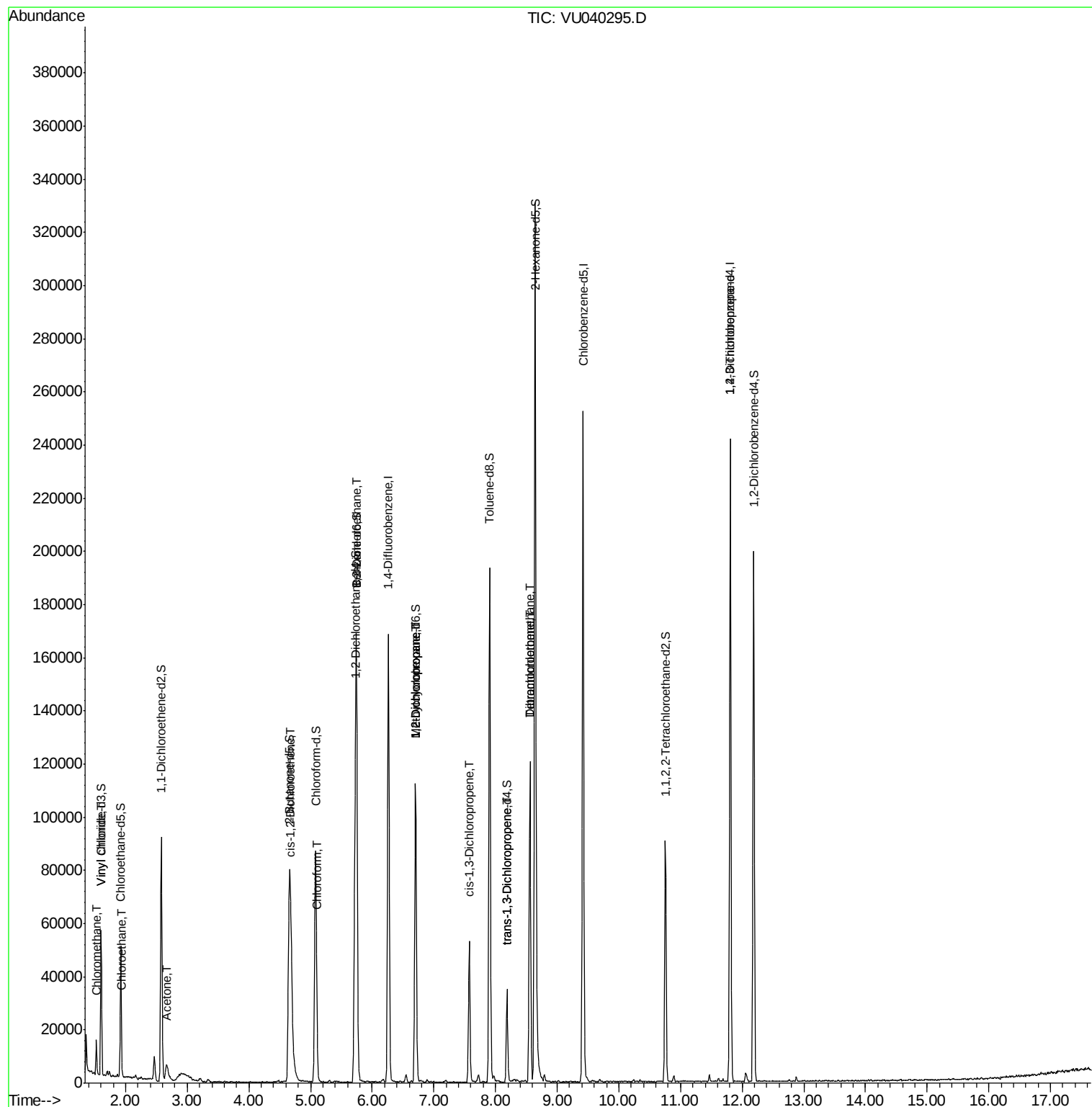
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	8574	0.717	ug/L	97
5) Vinyl chloride	1.61	62	617	0.051	ug/L #	3
8) Chloroethane	1.94	64	232	0.032	ug/L #	42
13) Acetone	2.66	43	14810	5.824	ug/L	75
22) cis-1,2-Dichloroethene	4.69	96	7840	0.696	ug/L	100
25) Chloroform	5.11	83	1230	0.056	ug/L	80
27) 1,2-Dichloroethane	5.74	62	953	0.059	ug/L #	78
35) Methylcyclohexane	6.70	83	11684	0.621	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	5591	0.451	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1346	0.074	ug/L #	55
44) trans-1,3-Dichloropropene	8.18	75	900	0.053	ug/L	89
47) Tetrachloroethene	8.56	164	24022	2.977	ug/L	96
49) Dibromochloromethane	8.56	129	24574	2.266	ug/L #	11
59) 1,2,3-Trichloropropane	11.80	75	8324	0.906	ug/L #	86

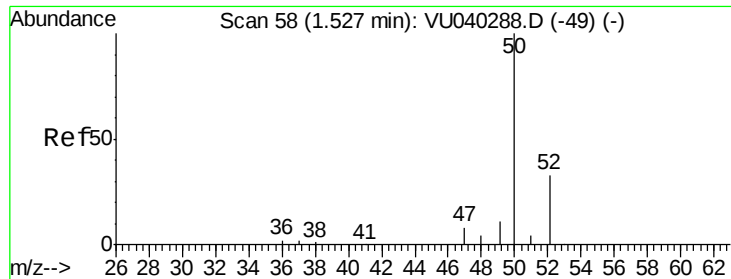
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.717 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Instrument :

MSVOA_U

ClientSampleId :

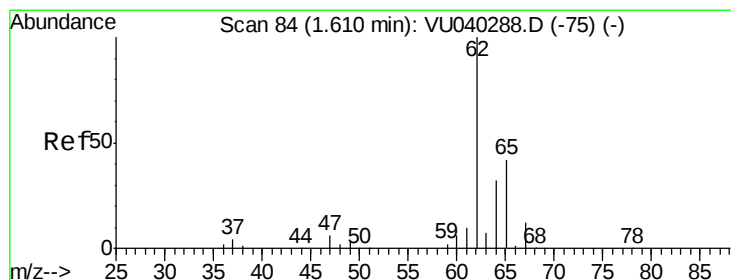
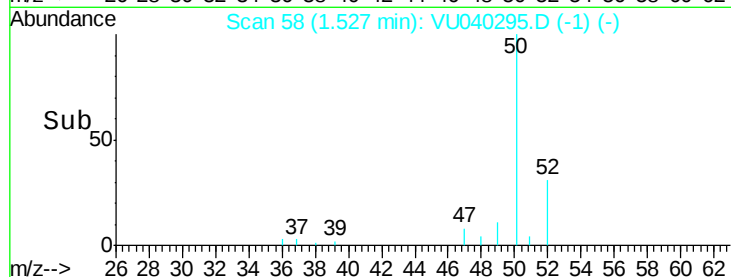
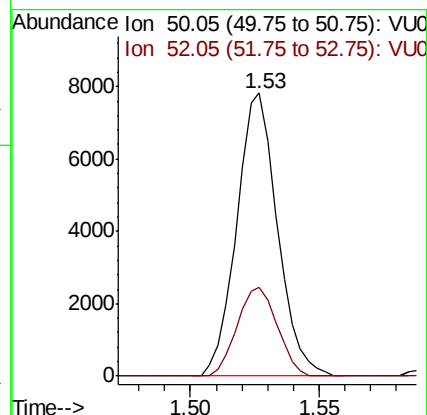
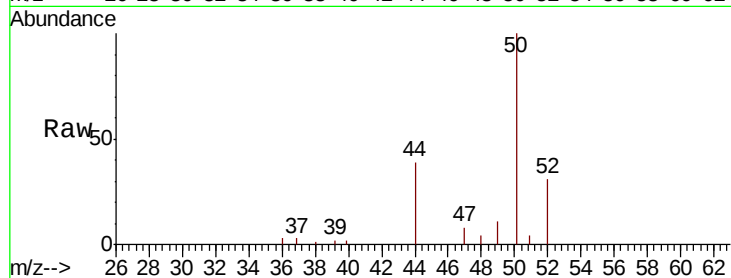
BFSA8

Tot Ion: 50 Resp: 8574

Ion Ratio Lower Upper

50 100

52 31.2 22.8 42.4



#5

Vinyl chloride

Concen: 0.051 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040295.D

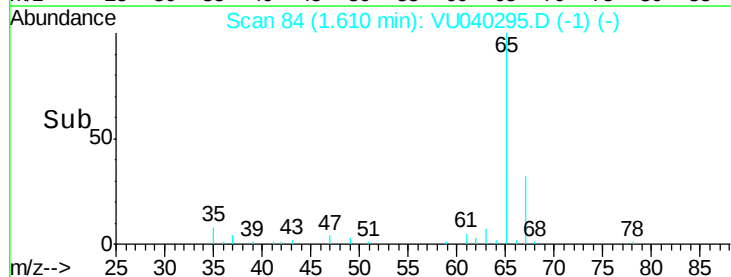
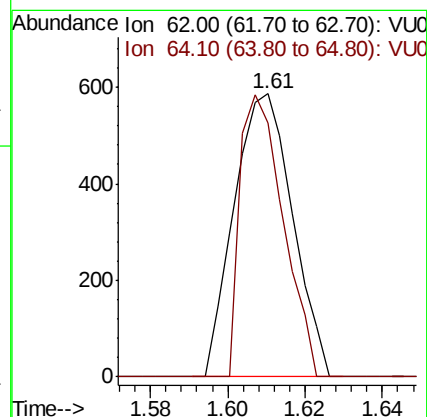
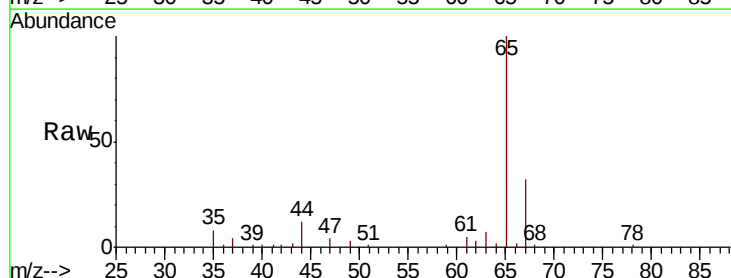
Acq: 25 Sep 2020 13:18

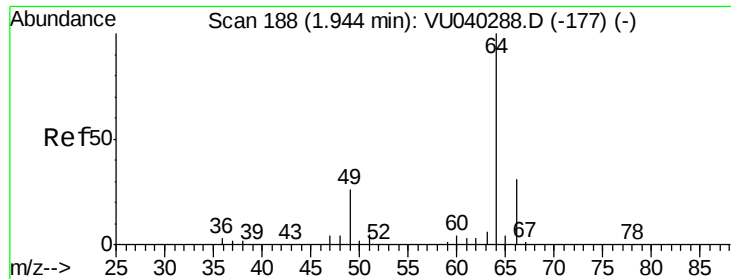
Tgt Ion: 62 Resp: 617

Ion Ratio Lower Upper

62 100

64 89.6 23.9 44.3#

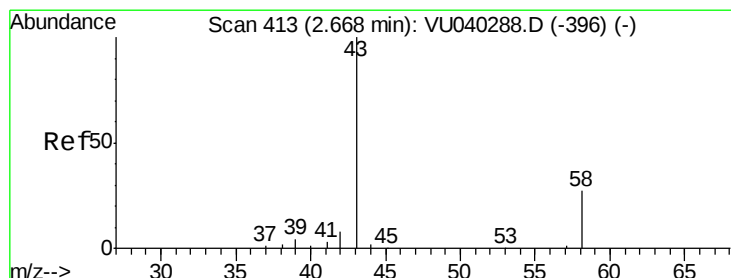
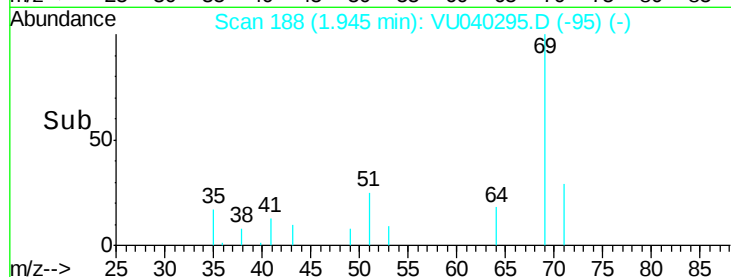
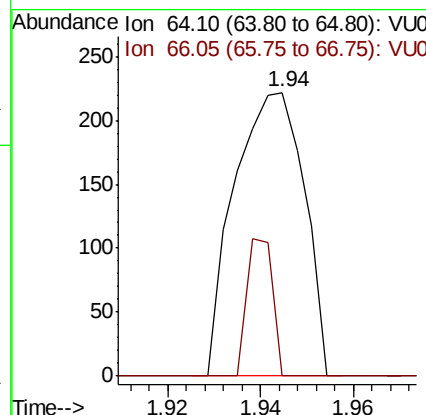
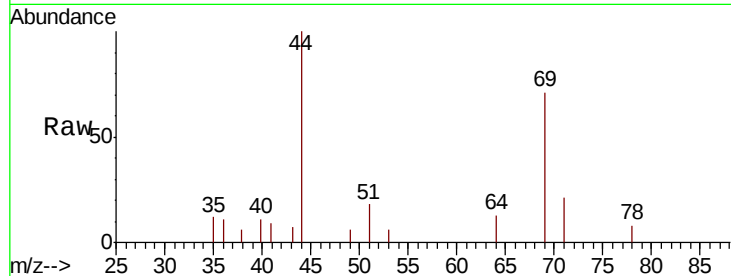




#8
Chloroethane
Concen: 0.032 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040295.D
Acq: 25 Sep 2020 13:18

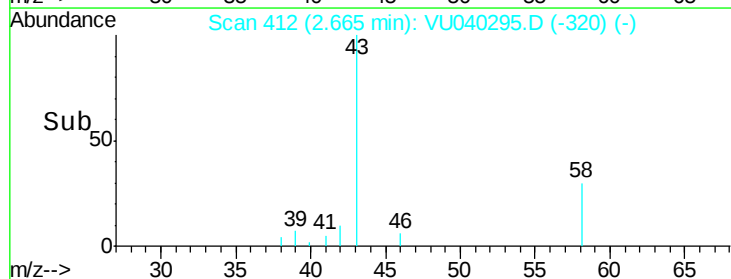
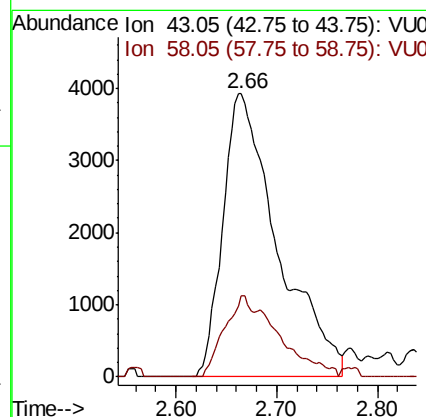
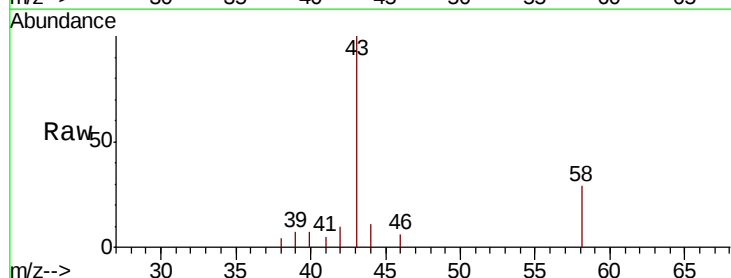
Instrument :
MSVOA_U
ClientSampleId :
BFSAS

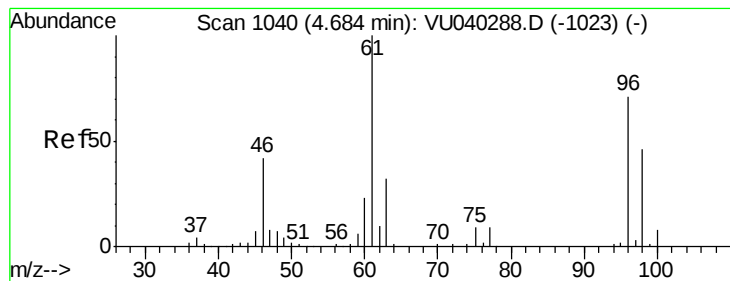
Tot Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 22.7 42.1#



#13
Acetone
Concen: 5.824 ug/L
RT: 2.66 min Scan# 412
Delta R.T. -0.00 min
Lab File: VU040295.D
Acq: 25 Sep 2020 13:18

Tgt Ion: 43 Resp: 14810
Ion Ratio Lower Upper
43 100
58 14.8 0.0 55.4





#22

cis-1,2-Dichloroethene

Concen: 0.696 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Instrument :

MSVOA_U

ClientSampled :

BFSA8

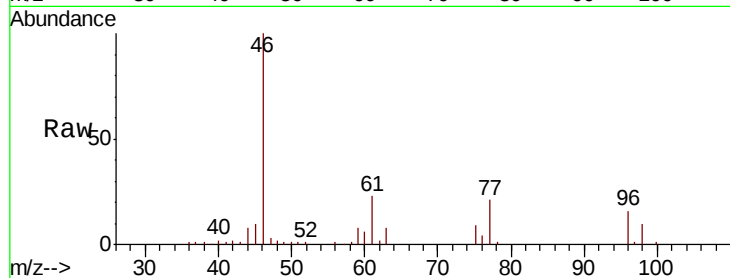
Tot Ion: 96 Resp: 7840

Ion Ratio Lower Upper

96 100

61 141.5 98.8 183.4

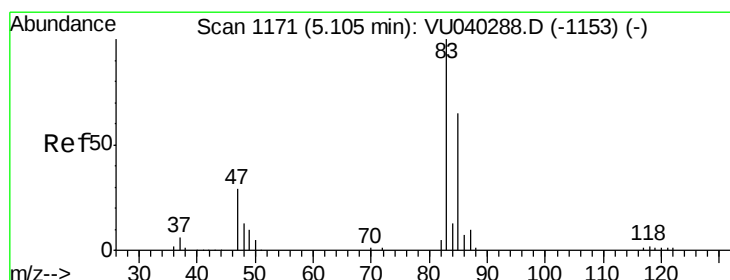
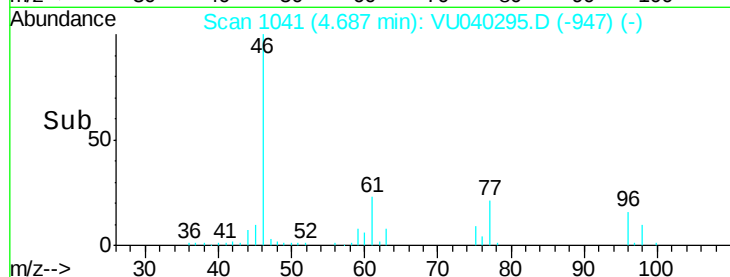
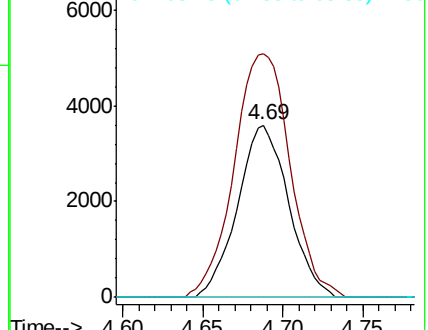
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040288.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU040288.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU040288.D (-1023) (-)



#25

Chloroform

Concen: 0.056 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040295.D

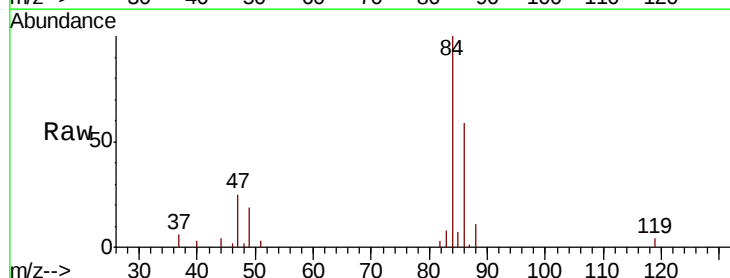
Acq: 25 Sep 2020 13:18

Tgt Ion: 83 Resp: 1230

Ion Ratio Lower Upper

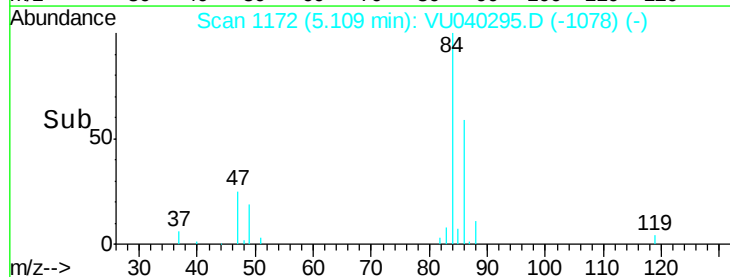
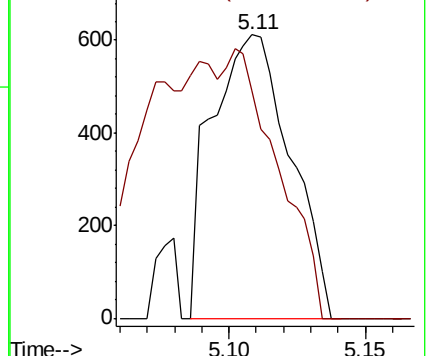
83 100

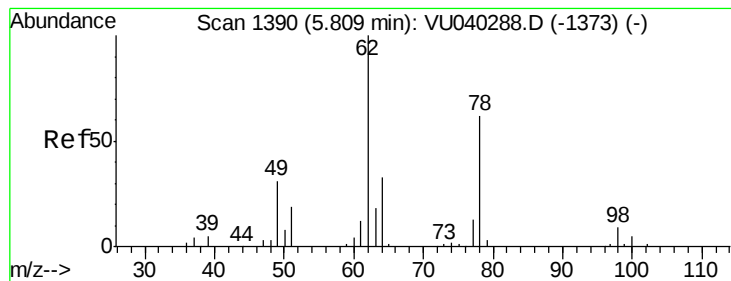
85 80.1 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU040288.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU040288.D (-1153) (-)





#27

1,2-Dichloroethane

Concen: 0.059 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.07 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Instrument :

MSVOA_U

ClientSampleId :

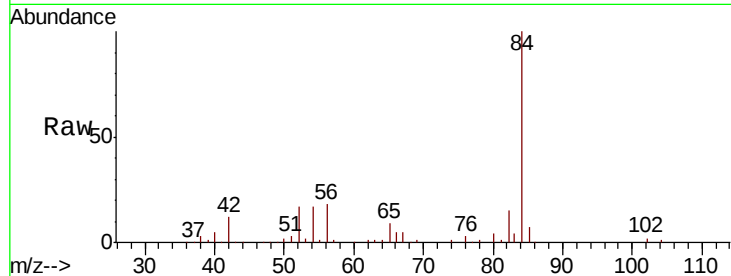
BFSA8

Tot Ion: 62 Resp: 953

Ion Ratio Lower Upper

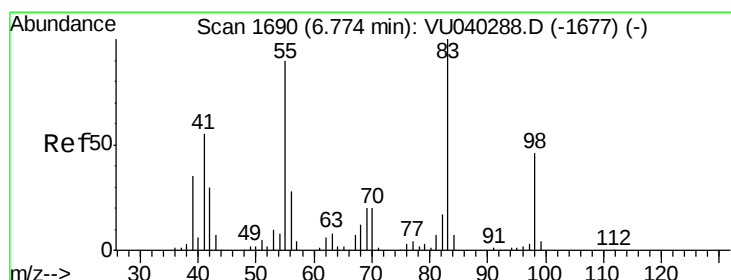
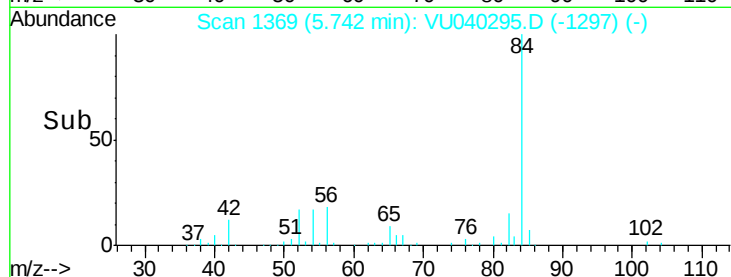
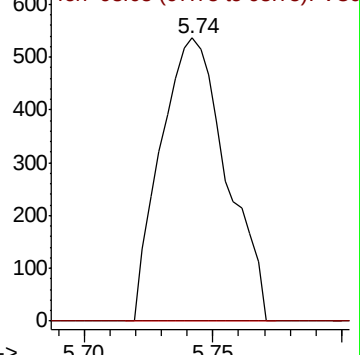
62 100

98 0.0 6.1 9.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 0.621 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

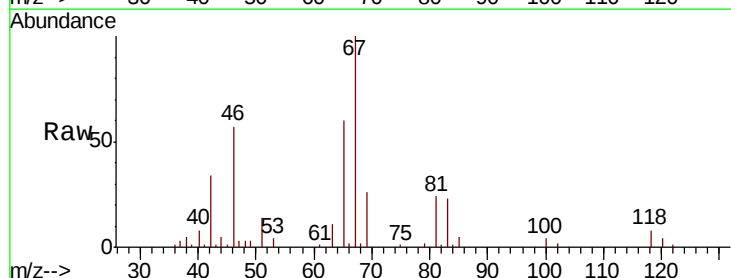
Tgt Ion: 83 Resp: 11684

Ion Ratio Lower Upper

83 100

55 0.4 70.5 105.7#

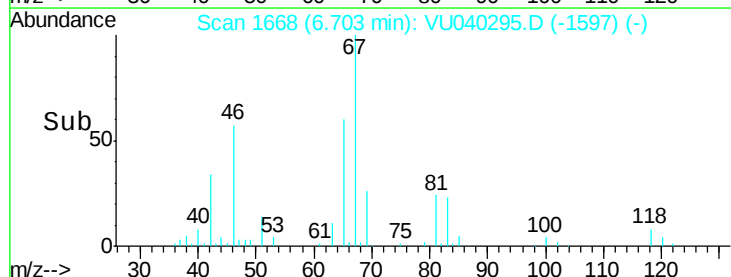
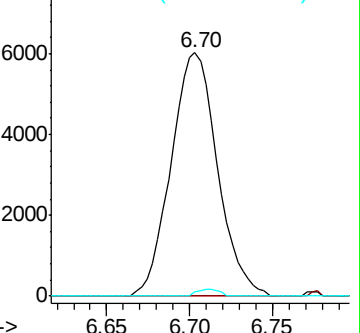
98 1.4 37.8 56.6#

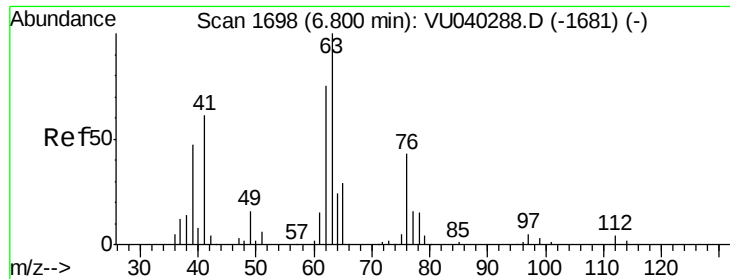


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

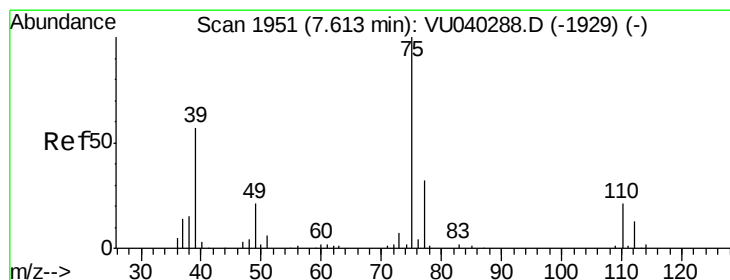
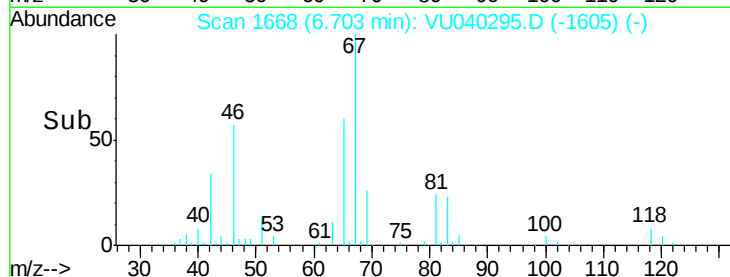
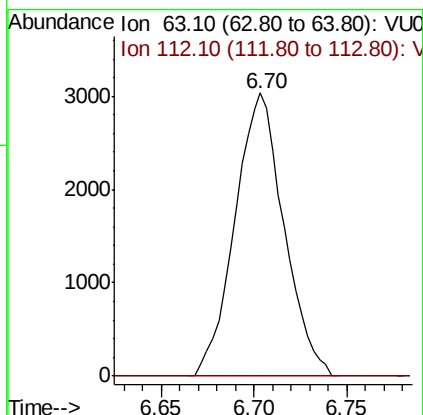
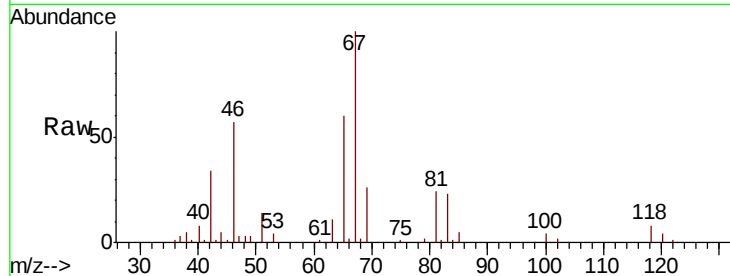




#37
 1,2-Dichloropropane
 Concen: 0.451 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040295.D
 Acq: 25 Sep 2020 13:18

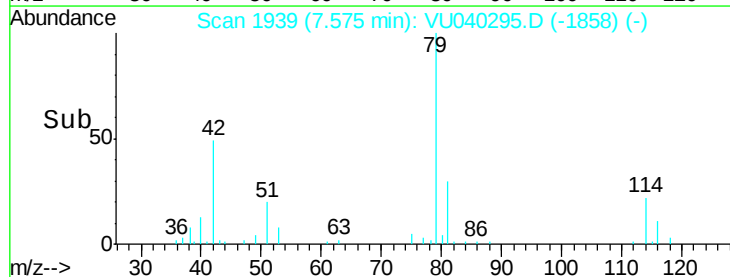
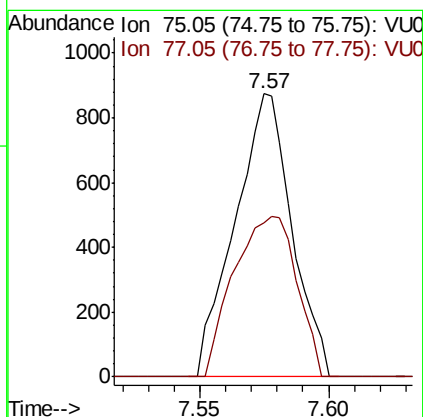
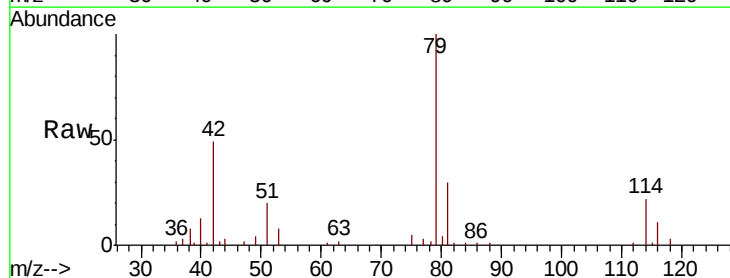
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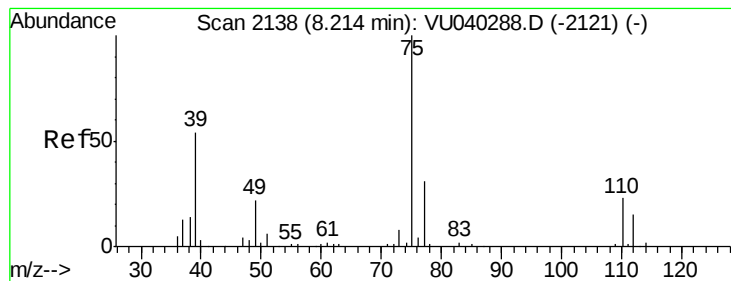
Tot Ion: 63 Resp: 5591
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.074 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040295.D
 Acq: 25 Sep 2020 13:18

Tgt Ion: 75 Resp: 1346
 Ion Ratio Lower Upper
 75 100
 77 54.7 21.1 39.3#





#44

trans-1,3-Dichloropropene

Concen: 0.053 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Instrument :

MSVOA_U

ClientSampleId :

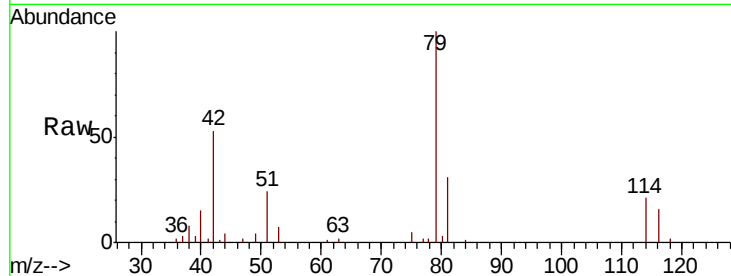
BFSA8

Tot Ion: 75 Resp: 900

Ion Ratio Lower Upper

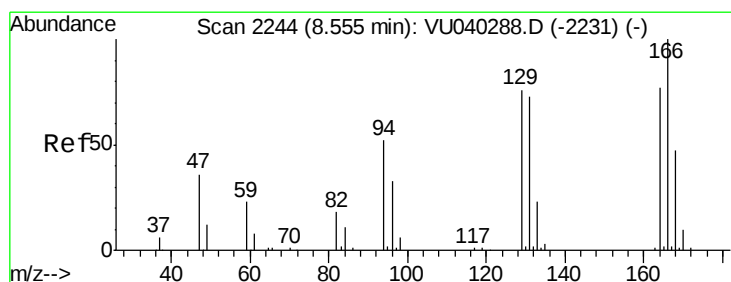
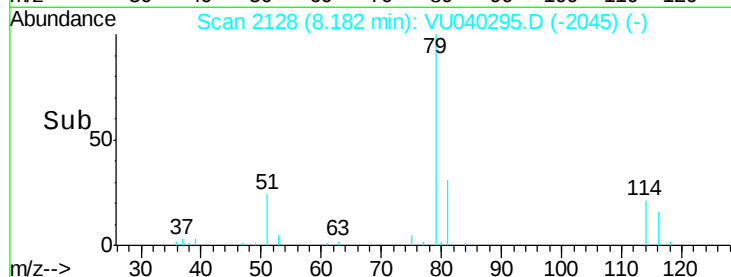
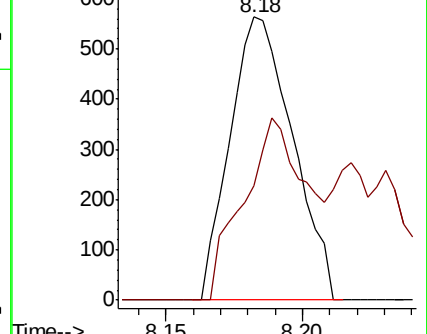
75 100

77 40.3 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: 2.977 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Tgt Ion:164 Resp: 24022

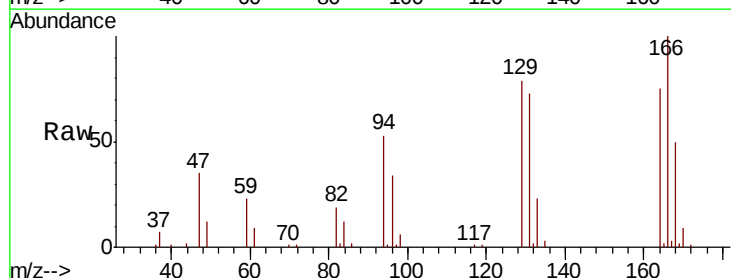
Ion Ratio Lower Upper

164 100

129 104.1 71.5 132.7

131 96.9 65.9 122.5

166 132.6 87.3 162.1

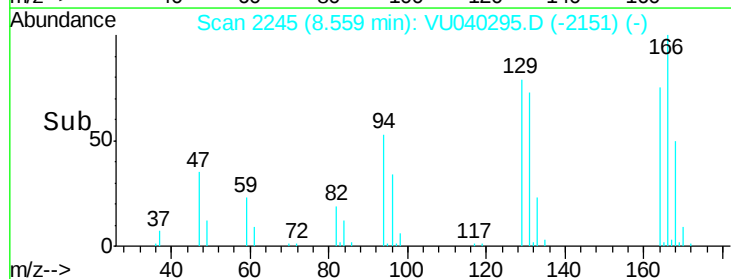
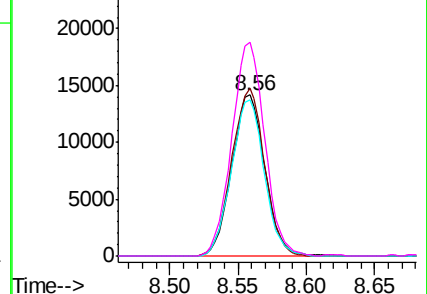


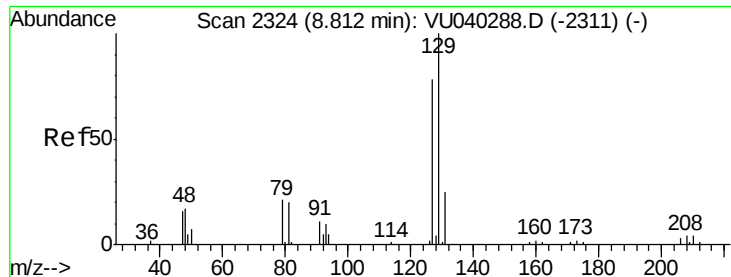
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 2.266 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040295.D

Acq: 25 Sep 2020 13:18

Instrument :

MSVOA_U

ClientSampleId :

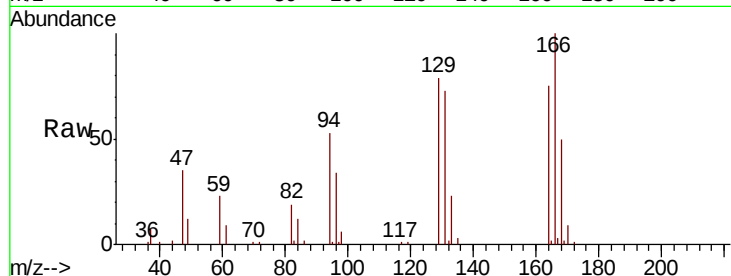
BFSA8

Tot Ion:129 Resp: 24574

Ion Ratio Lower Upper

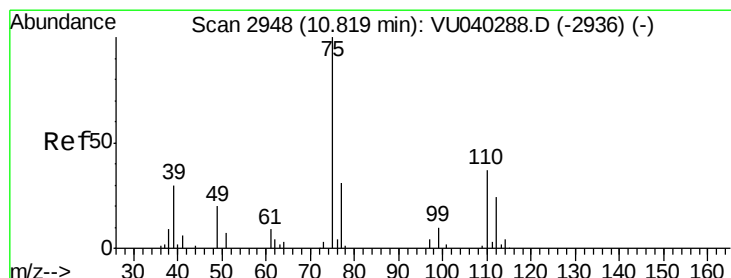
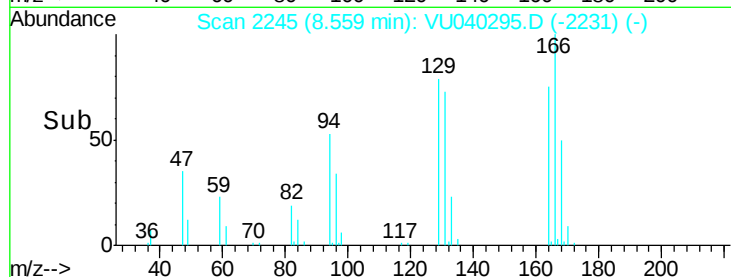
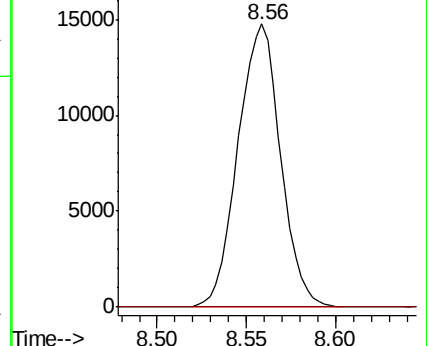
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.906 ug/L

RT: 11.80 min Scan# 3254

Delta R.T. 0.98 min

Lab File: VU040295.D

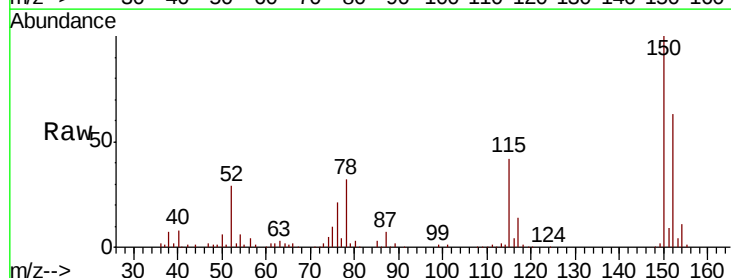
Acq: 25 Sep 2020 13:18

Tgt Ion: 75 Resp: 8324

Ion Ratio Lower Upper

75 100

77 38.7 24.9 37.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

