

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
 Data File : VU040518.D
 Acq On : 05 Oct 2020 18:36
 Operator : SY/MD
 Sample : L4266-02DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSADL

Quant Time: Oct 06 07:55:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 07:45:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	117298	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117433	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52779	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27419	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.92	69	24131	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	42887	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.66	46	127335	44.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.28%
24) Chloroform-d	5.08	84	62664	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.72	65	38749	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.75	84	117644	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	40718	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	95360	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	8.19	79	15953	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.64	63	84434	40.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35585	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	39337	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

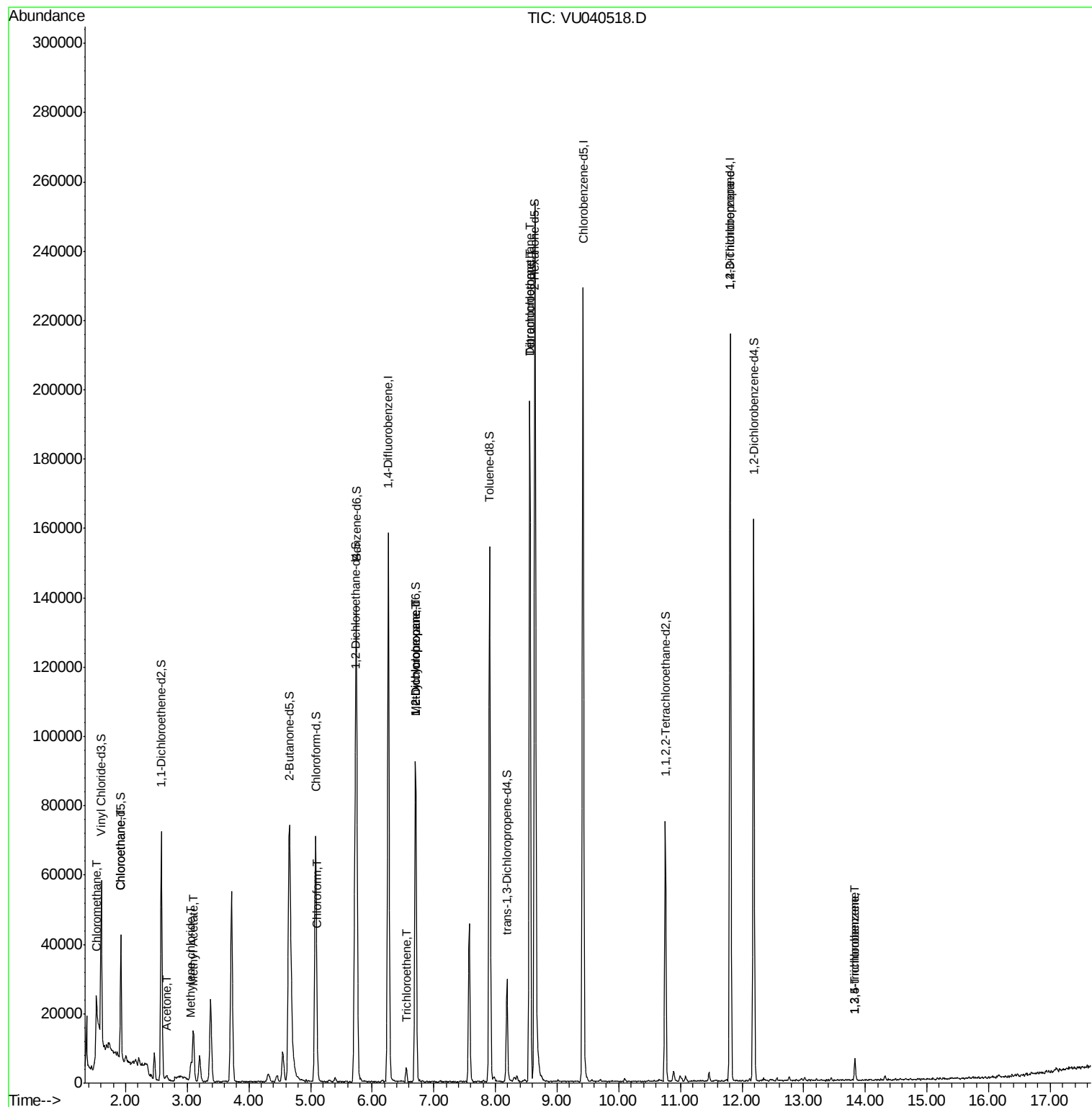
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	8069	0.699	ug/L	99
8) Chloroethane	1.93	64	752	0.112	ug/L #	54
13) Acetone	2.67	43	2480	1.032	ug/L	100
15) Methyl Acetate	3.10	43	10505	1.815	ug/L #	56
16) Methylene chloride	3.06	84	1751	0.156	ug/L	87
25) Chloroform	5.11	83	2555	0.132	ug/L	90
34) Trichloroethene	6.56	95	1436	0.137	ug/L	89
35) Methylcyclohexane	6.71	83	9315	0.608	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4705	0.429	ug/L #	88
47) Tetrachloroethene	8.56	164	40302	5.430	ug/L	98
49) Dibromochloromethane	8.56	129	40811	4.564	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7929	0.998	ug/L	94
67) 1,3,5-Trichlorobenzene	13.83	180	2075	0.166	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2075	0.207	ug/L	95

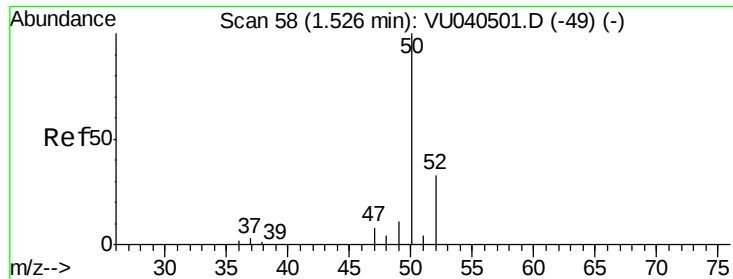
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 07:45:27 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.699 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

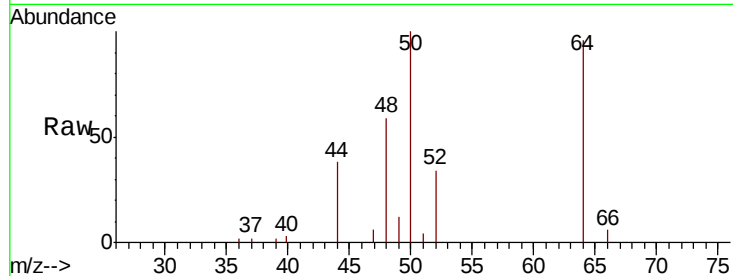
BFSA0DL

Tot Ion: 50 Resp: 8069

Ion Ratio Lower Upper

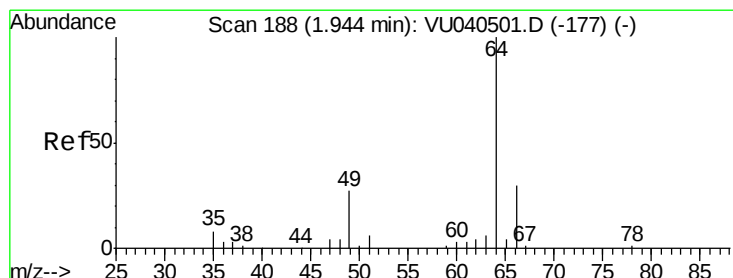
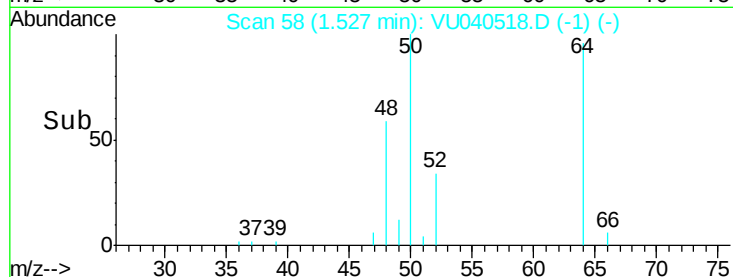
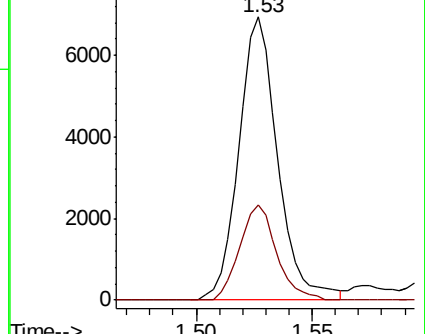
50 100

52 33.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.112 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.02 min

Lab File: VU040518.D

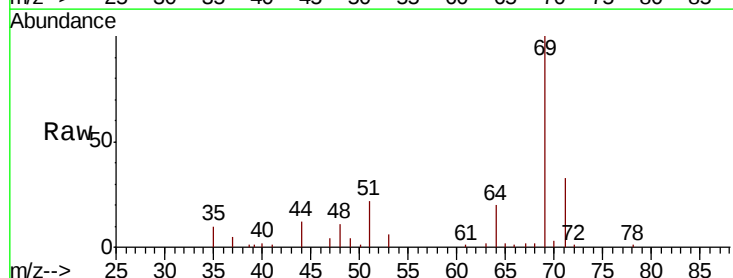
Acq: 05 Oct 2020 18:36

Tgt Ion: 64 Resp: 752

Ion Ratio Lower Upper

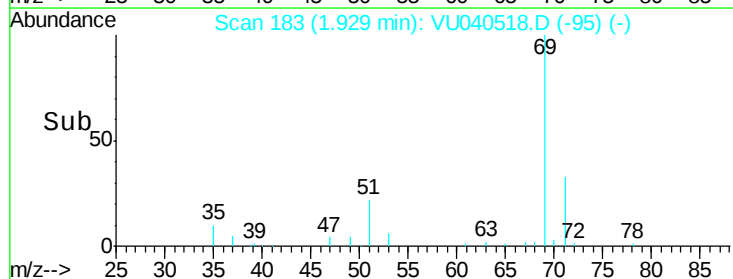
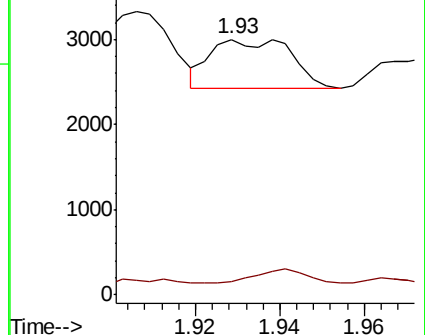
64 100

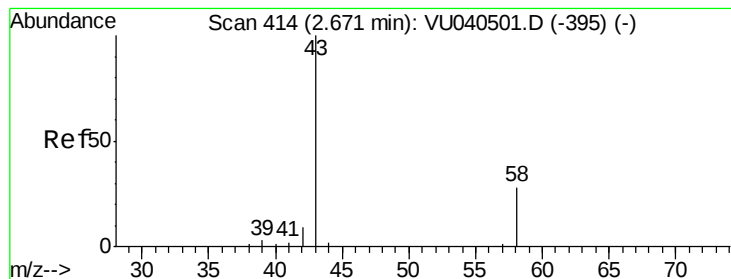
66 5.2 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 1.032 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

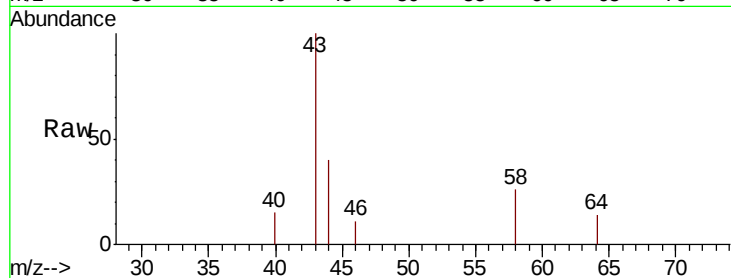
BFSA0DL

Tot Ion: 43 Resp: 2480

Ion Ratio Lower Upper

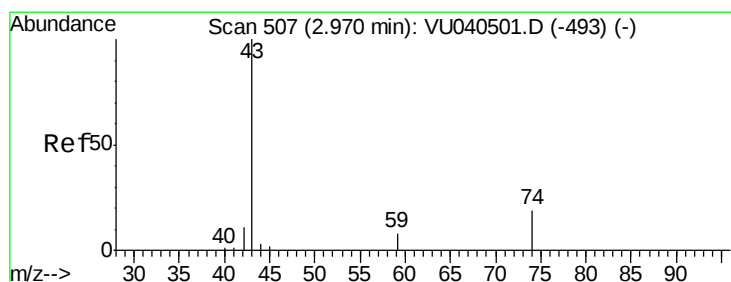
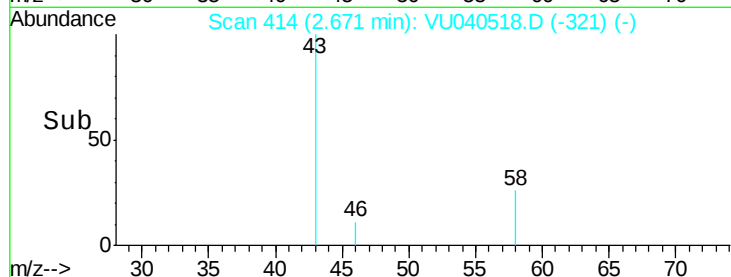
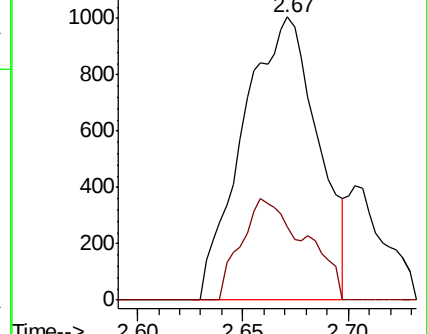
43 100

58 30.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 1.815 ug/L

RT: 3.10 min Scan# 546

Delta R.T. 0.13 min

Lab File: VU040518.D

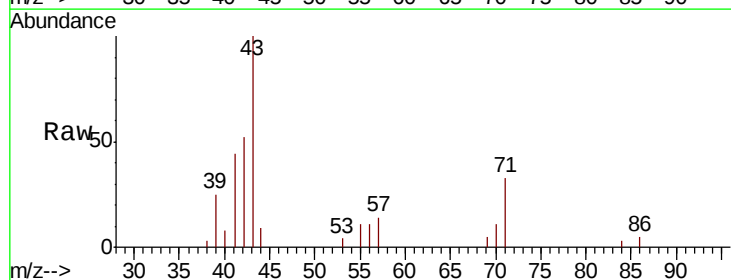
Acq: 05 Oct 2020 18:36

Tgt Ion: 43 Resp: 10505

Ion Ratio Lower Upper

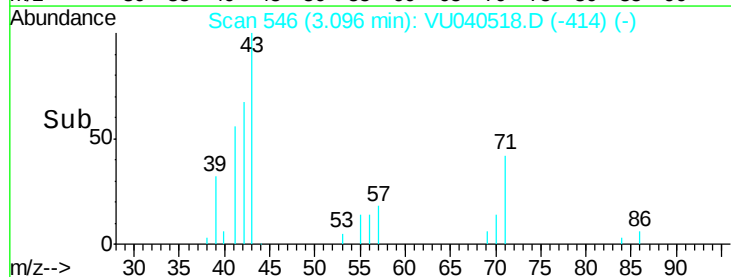
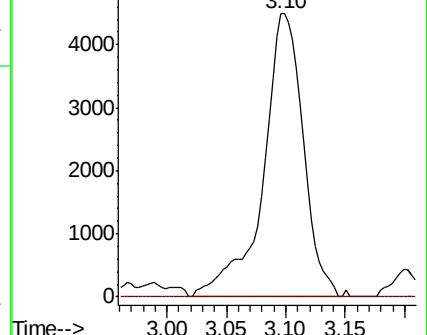
43 100

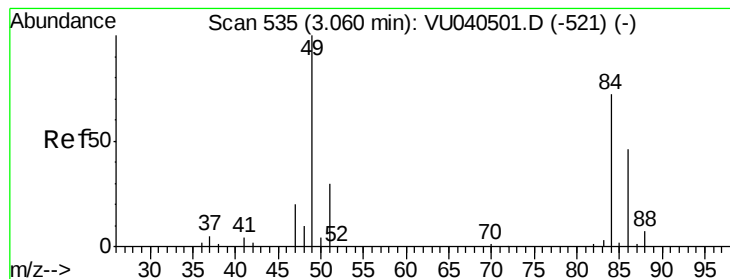
74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#16

Methvlene chloride

Concen: 0.156 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

BFSA0DL

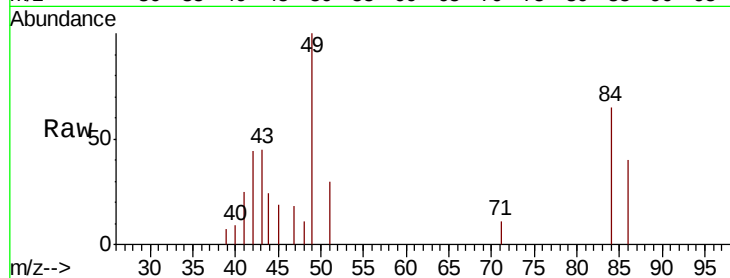
Tot Ion: 84 Resp: 1751

Ion Ratio Lower Upper

84 100

86 61.0 44.4 82.5

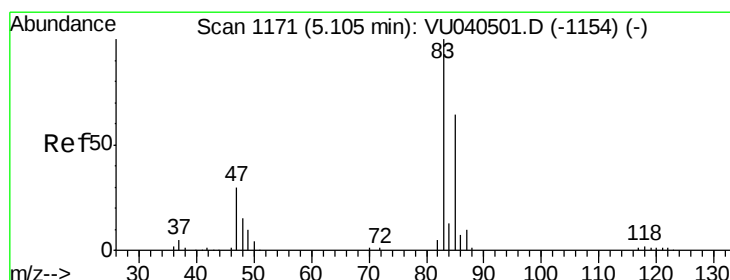
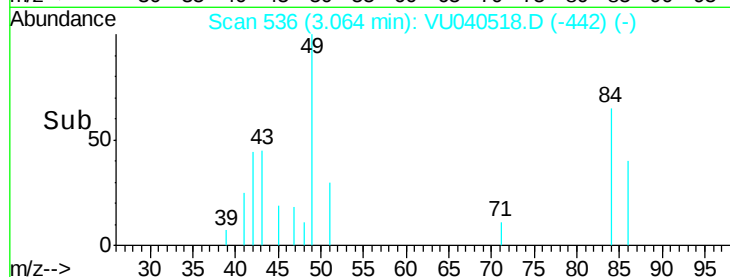
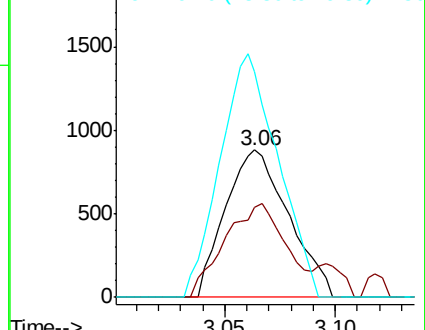
49 152.9 92.2 171.2



Abundance Ion 84.05 (83.75 to 84.75): VU040518.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040518.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040518.D (-442) (-)



#25

Chloroform

Concen: 0.132 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VU040518.D

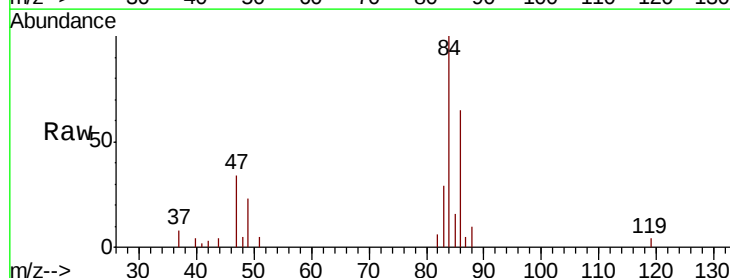
Acq: 05 Oct 2020 18:36

Tgt Ion: 83 Resp: 2555

Ion Ratio Lower Upper

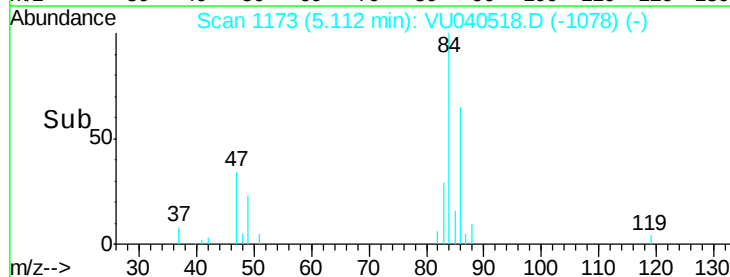
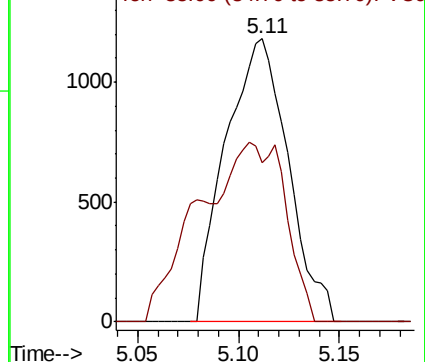
83 100

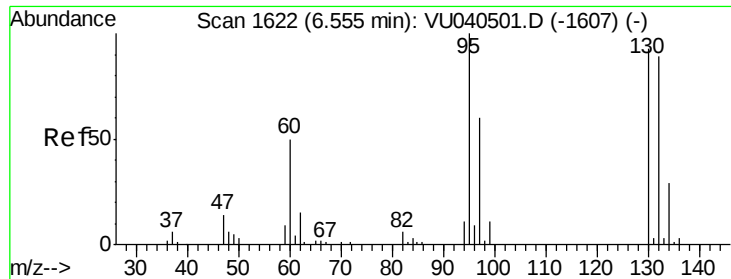
85 56.2 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040518.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040518.D (-1078) (-)

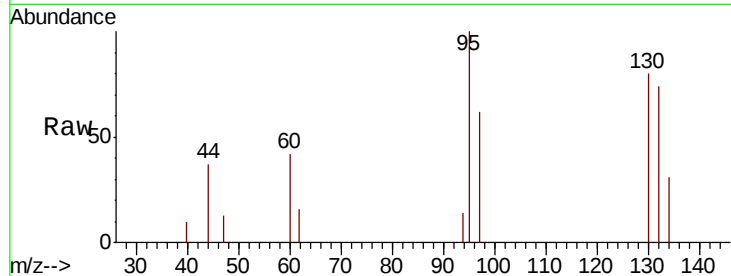




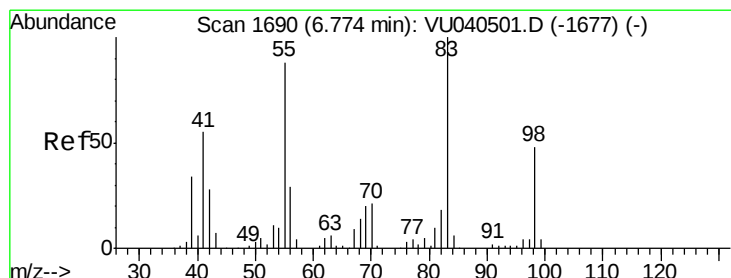
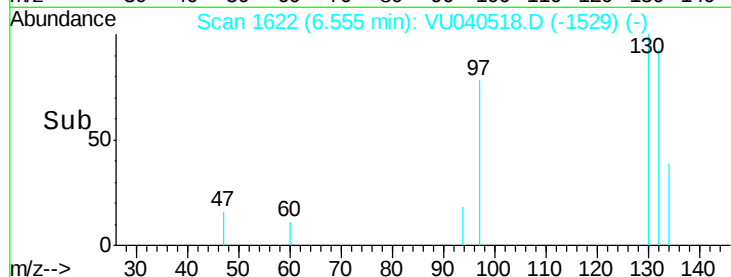
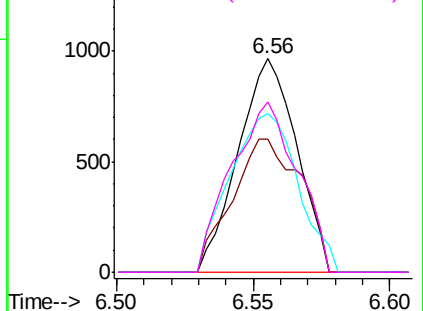
#34
 Trichloroethene
 Concen: 0.137 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040518.D
 Acq: 05 Oct 2020 18:36

Instrument :
 MSVOA_U
 ClientSampled :
 BFSADL

Tot Ion: 95 Resp: 1436
 Ion Ratio Lower Upper
 95 100
 97 62.3 46.3 85.9
 132 74.1 60.5 112.3
 130 79.8 64.3 119.3

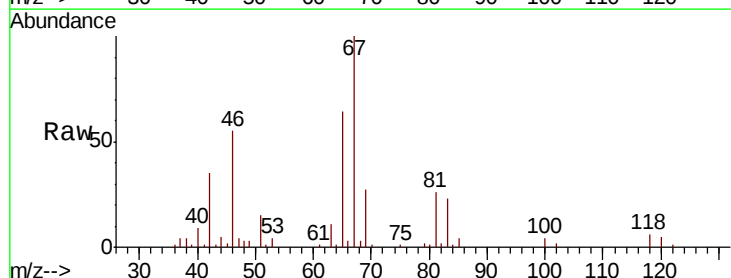


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

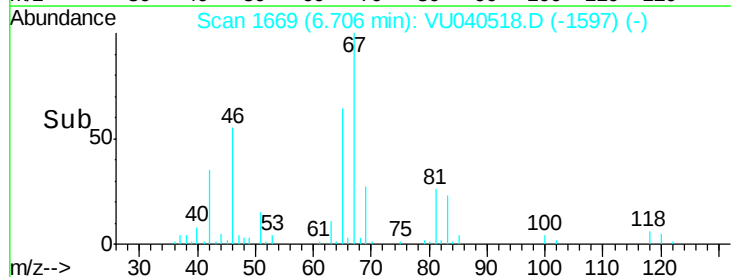
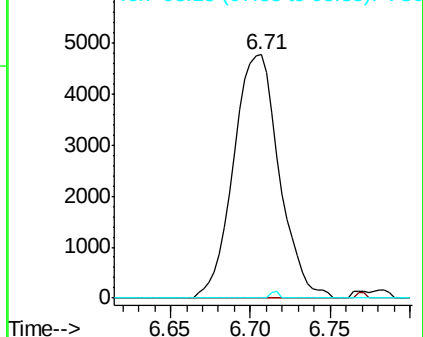


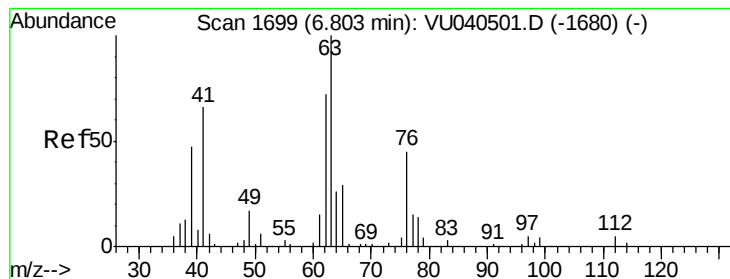
#35
 Methylcyclohexane
 Concen: 0.608 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU040518.D
 Acq: 05 Oct 2020 18:36

Tgt Ion: 83 Resp: 9315
 Ion Ratio Lower Upper
 83 100
 55 0.5 71.4 107.2#
 98 0.5 38.5 57.7#



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: 0.429 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

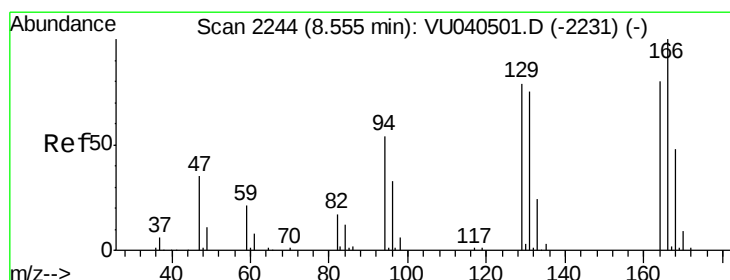
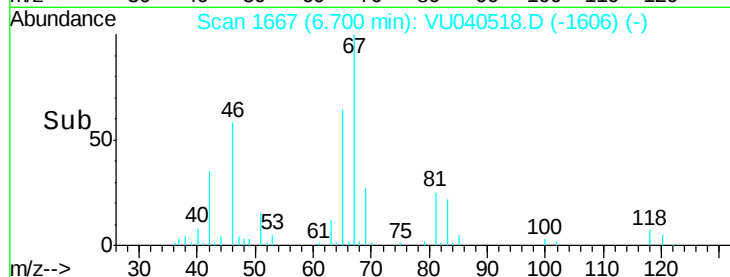
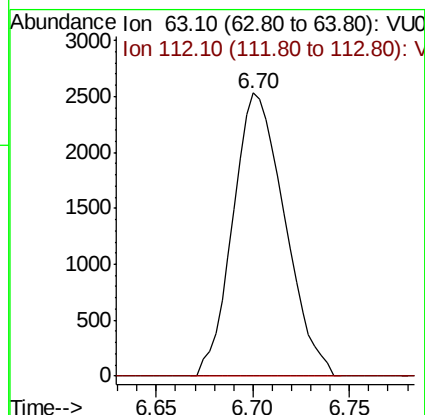
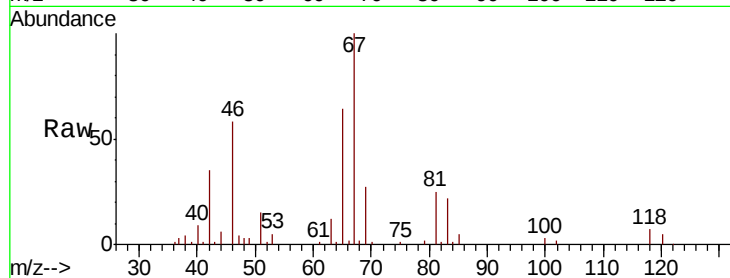
BFSA0DL

Tot Ion: 63 Resp: 4705

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#47

Tetrachloroethene

Concen: 5.430 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Tgt Ion: 164 Resp: 40302

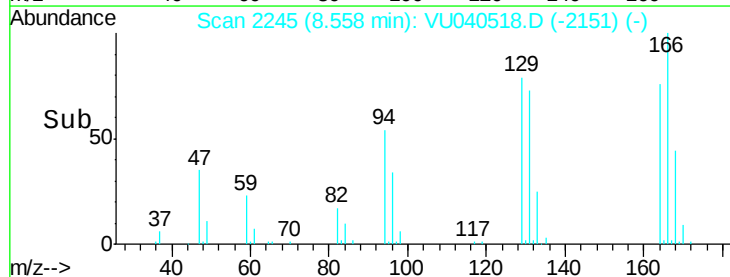
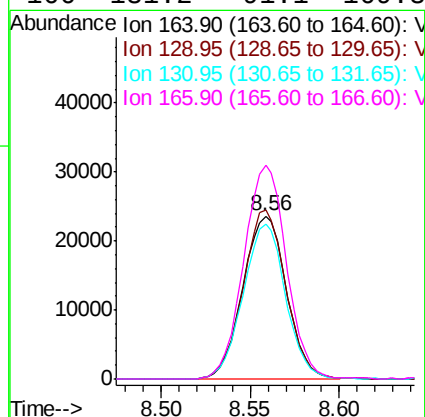
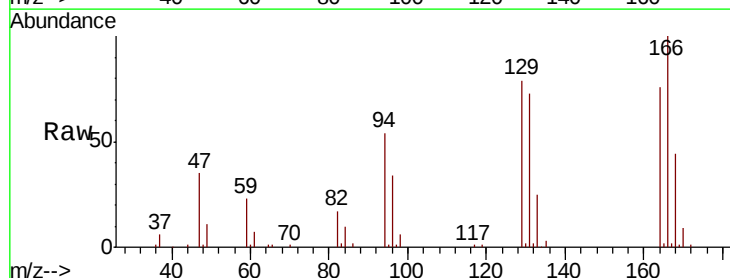
Ion Ratio Lower Upper

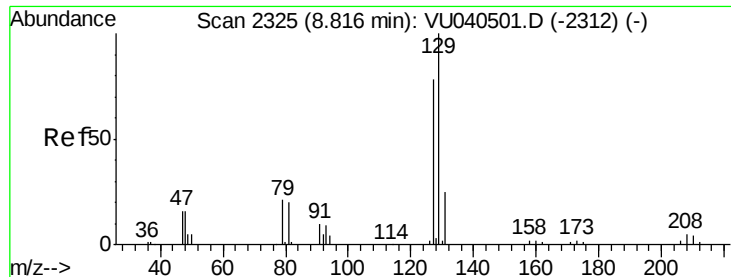
164 100

129 104.0 70.3 130.7

131 95.4 69.2 128.6

166 131.2 91.1 169.3





#49

Dibromochloromethane

Concen: 4.564 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU040518.D

Acq: 05 Oct 2020 18:36

Instrument :

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ClientSampleId :

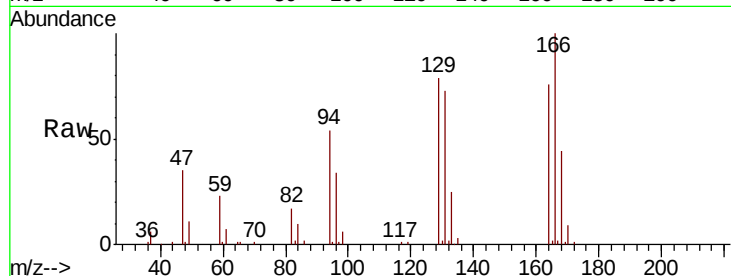
BFSA0DL

Tot Ion:129 Resp: 40811

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

25000

20000

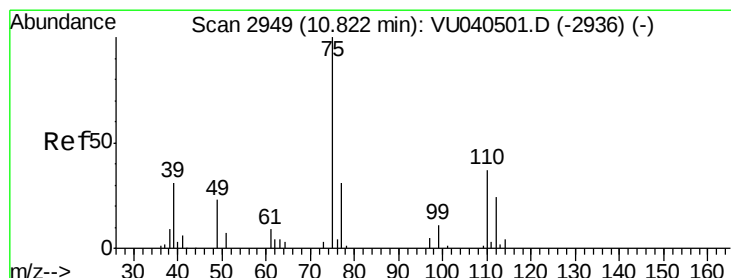
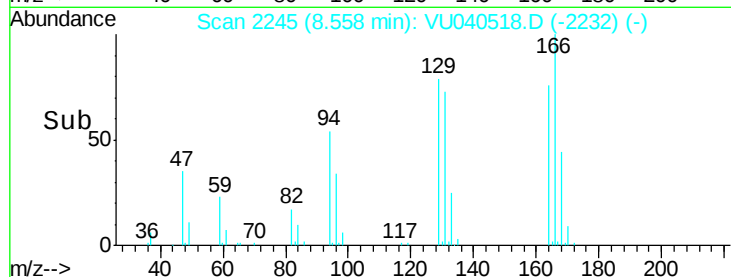
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.998 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040518.D

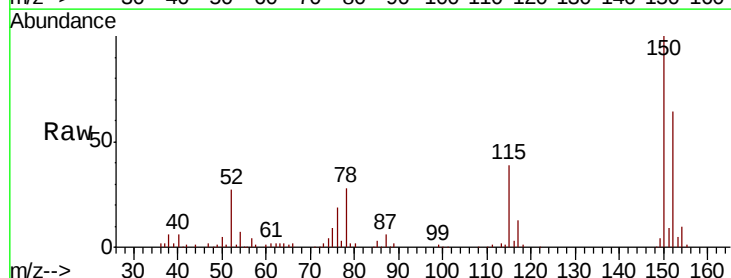
Acq: 05 Oct 2020 18:36

Tgt Ion: 75 Resp: 7929

Ion Ratio Lower Upper

75 100

77 35.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

5000

4000

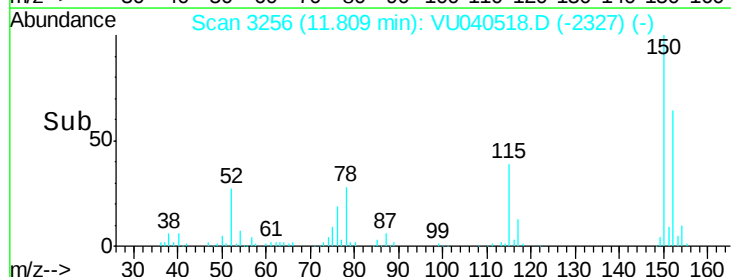
3000

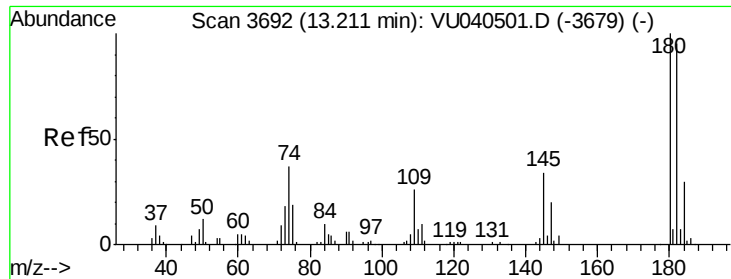
2000

1000

0

Time--> 11.75 11.80 11.85

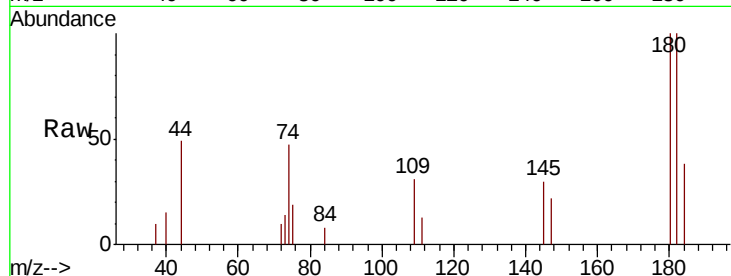




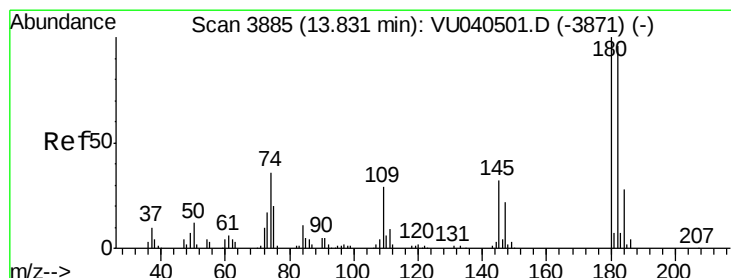
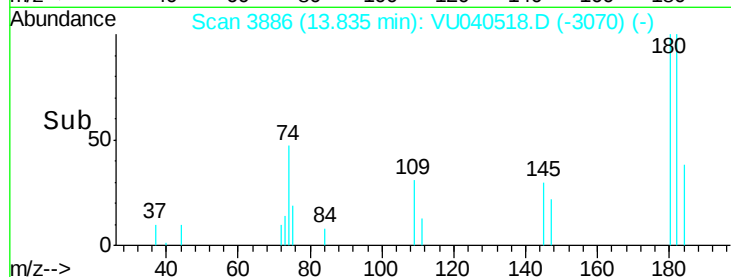
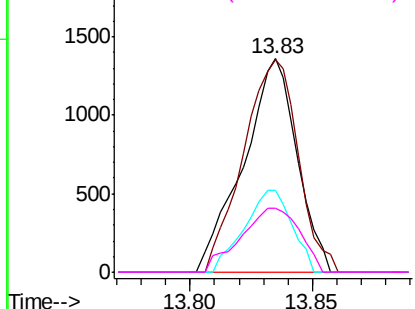
#67
 1,3,5-Trichlorobenzene
 Concen: 0.166 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.62 min
 Lab File: VU040518.D
 Acq: 05 Oct 2020 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSADL

Tot Ion:180 Resp: 2075
 Ion Ratio Lower Upper
 180 100
 182 101.8 76.5 114.7
 184 34.2 24.6 37.0
 145 33.1 25.8 38.8

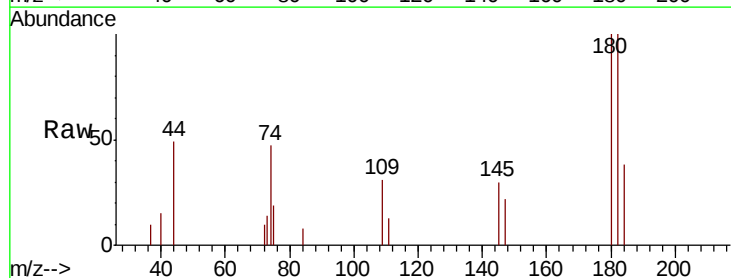


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.207 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040518.D
 Acq: 05 Oct 2020 18:36

Tgt Ion:180 Resp: 2075
 Ion Ratio Lower Upper
 180 100
 182 101.8 76.6 115.0
 145 33.1 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

