

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041068.D
 Acq On : 03 Nov 2020 11:06
 Operator : SY/MD
 Sample : L4584-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF2

Quant Time: Nov 04 00:58:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51715	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19093	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.93	69	15201	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	27965	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.66	46	81137	56.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.42%
24) Chloroform-d	5.08	84	36187	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	24063	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	65143	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	22929	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.91	98	52608	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	9339	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	56945	53.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21444	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	20726	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

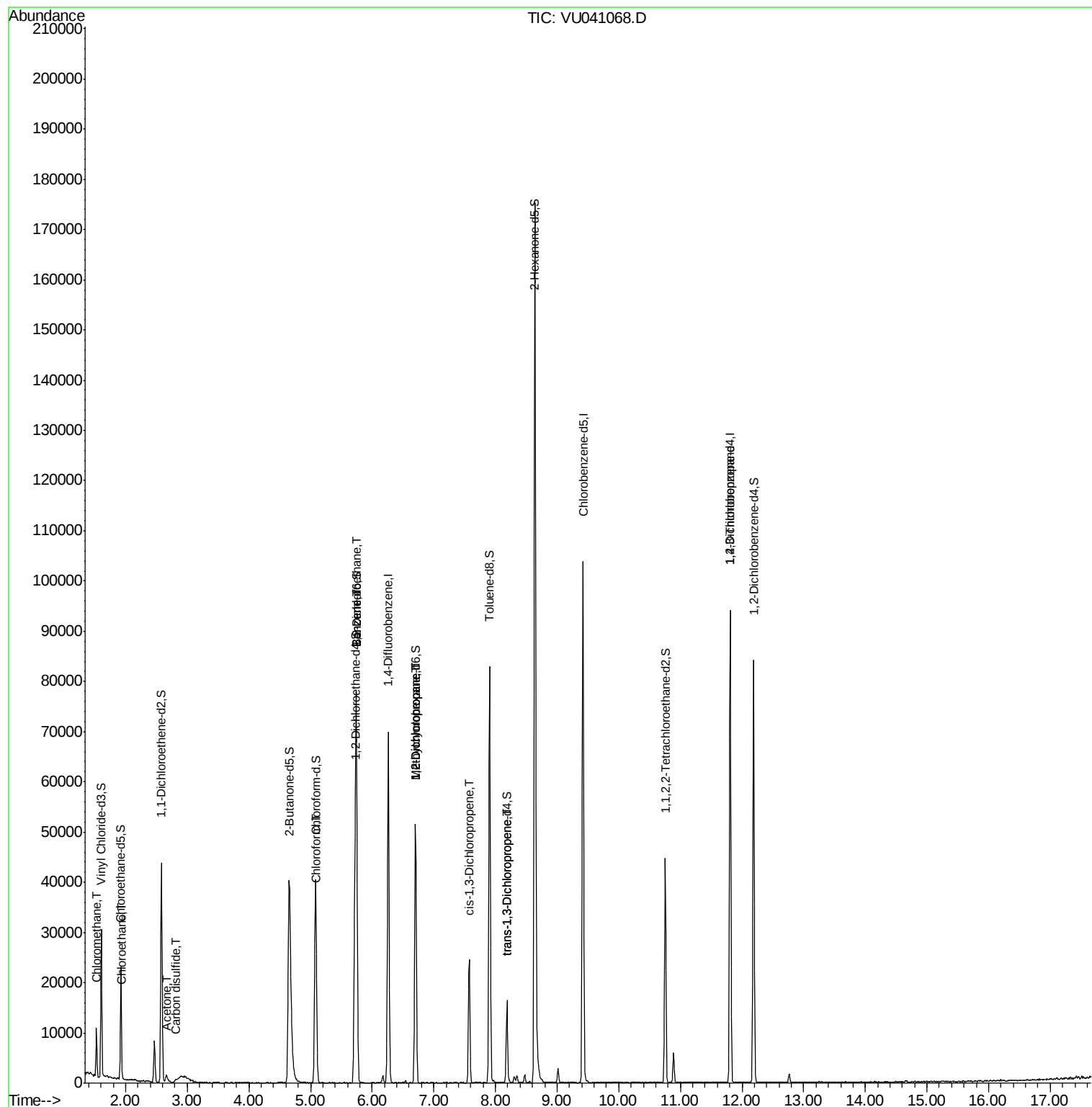
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	6568	1.334	ug/L	97
8) Chloroethane	1.94	64	147	0.048	ug/L #	43
13) Acetone	2.66	43	2914	2.979	ug/L	96
14) Carbon disulfide	2.81	76	687	0.056	ug/L #	74
25) Chloroform	5.10	83	675	0.091	ug/L	93
27) 1,2-Dichloroethane	5.74	62	235	0.042	ug/L #	74
33) Benzene	5.75	78	543	0.035	ug/L	100
35) Methylcyclohexane	6.70	83	5289	0.893	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2659	0.630	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	614	0.106	ug/L #	55
44) trans-1,3-Dichloropropene	8.18	75	416	0.076	ug/L #	42
59) 1,2,3-Trichloropropane	11.81	75	2920	0.928	ug/L	94

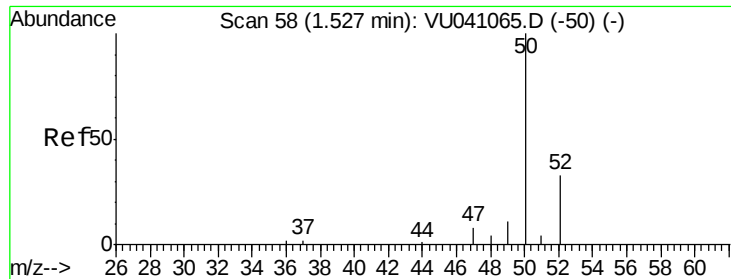
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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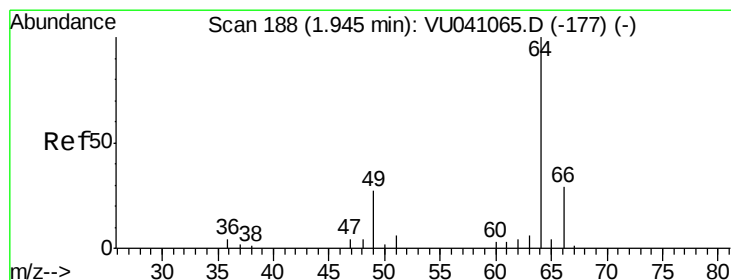
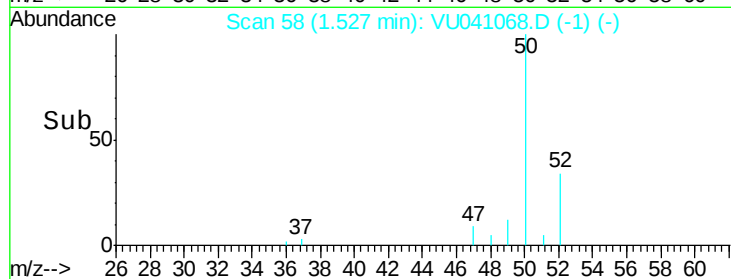
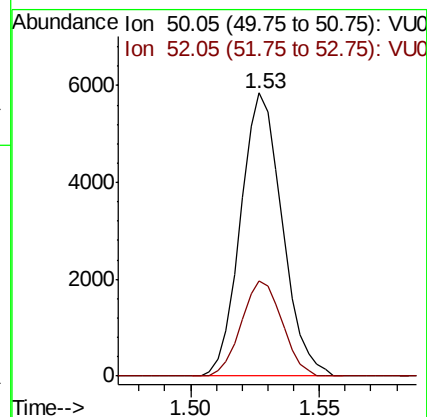
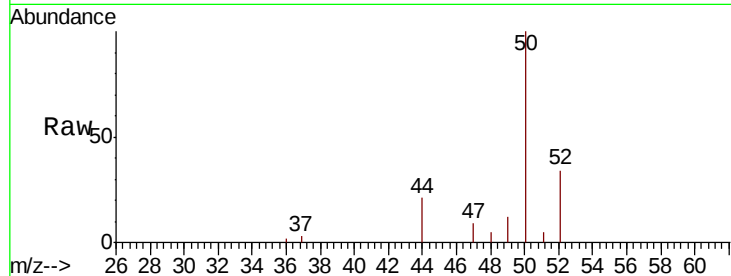




#3
Chloromethane
Concen: 1.334 ug/L
RT: 1.53 min Scan# 58
Delta R.T. -0.00 min
Lab File: VU041068.D
Acq: 03 Nov 2020 11:06

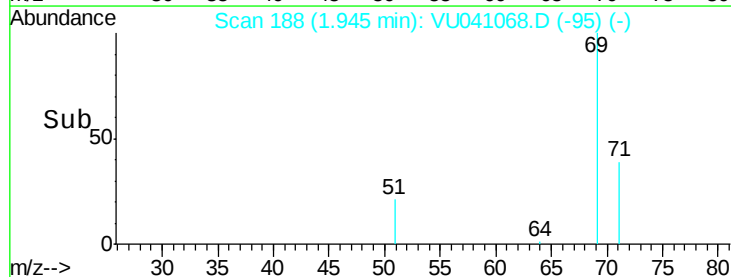
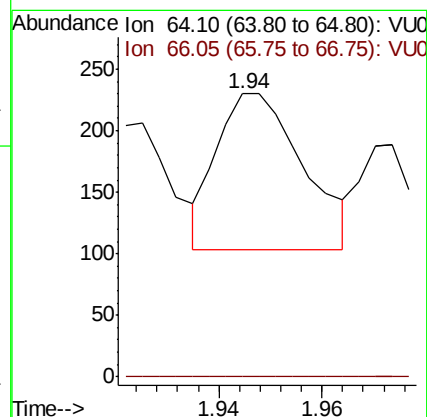
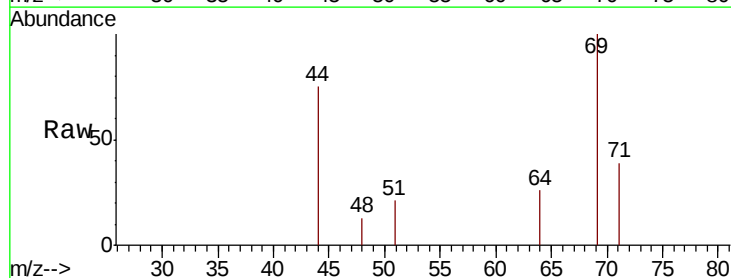
Instrument :
MSVOA_U
ClientSampleId :
BFSF2

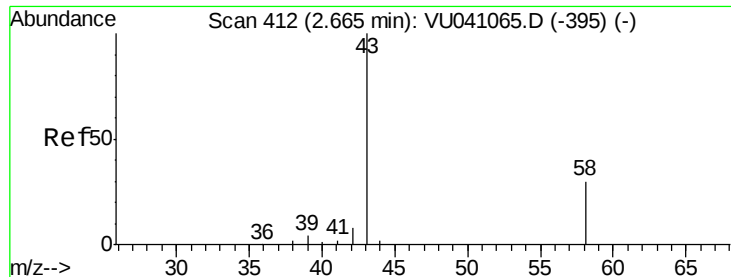
Tot Ion: 50 Resp: 6568
Ion Ratio Lower Upper
50 100
52 33.6 22.4 41.6



#8
Chloroethane
Concen: 0.048 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041068.D
Acq: 03 Nov 2020 11:06

Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#





#13

Acetone

Concen: 2.979 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041068.D

Acq: 03 Nov 2020 11:06

Instrument :

MSVOA_U

ClientSampled :

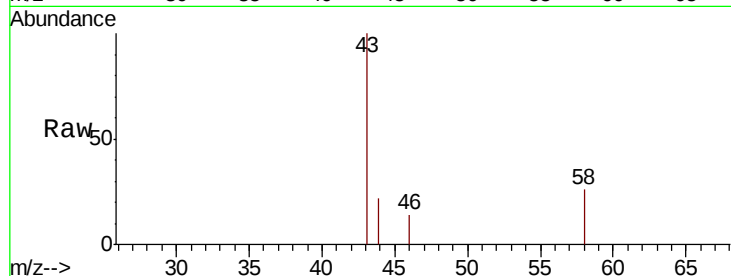
BFSF2

Tot Ion: 43 Resp: 2914

Ion Ratio Lower Upper

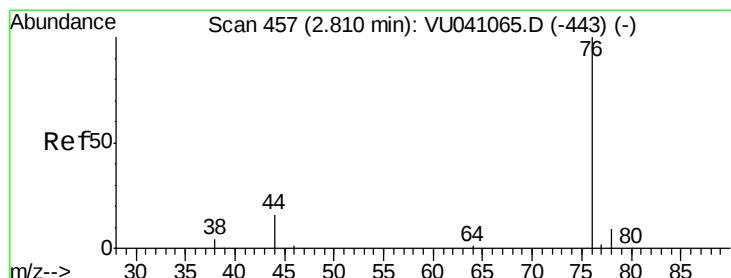
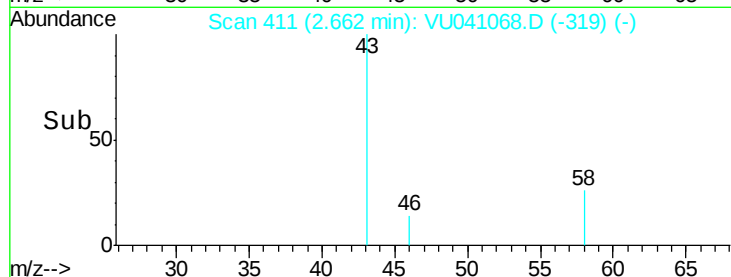
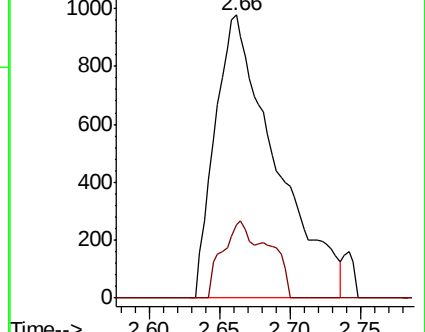
43 100

58 14.2 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041068.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041068.D (-319) (-)



#14

Carbon disulfide

Concen: 0.056 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU041068.D

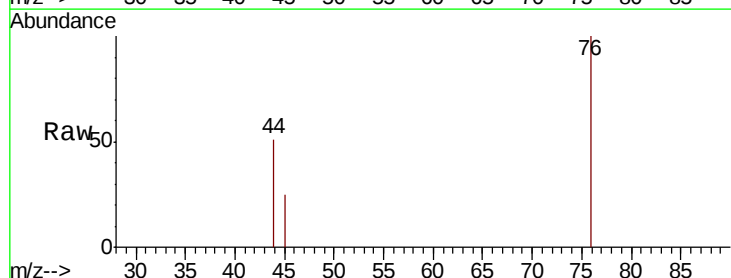
Acq: 03 Nov 2020 11:06

Tgt Ion: 76 Resp: 687

Ion Ratio Lower Upper

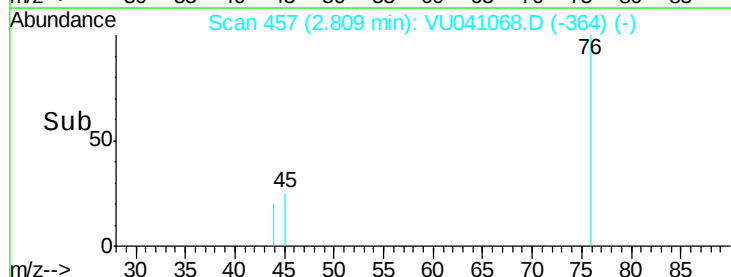
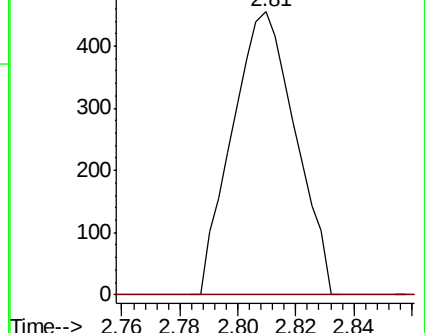
76 100

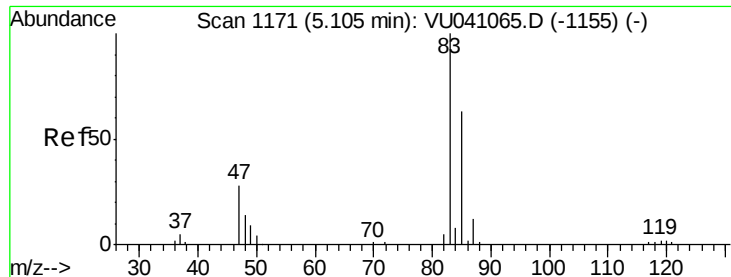
78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU041068.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU041068.D (-364) (-)

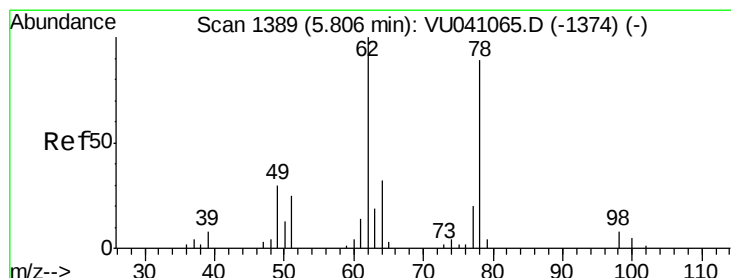
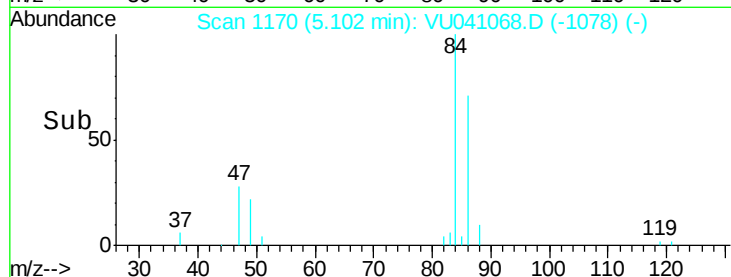
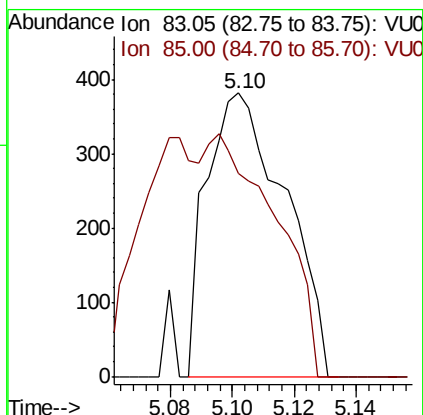
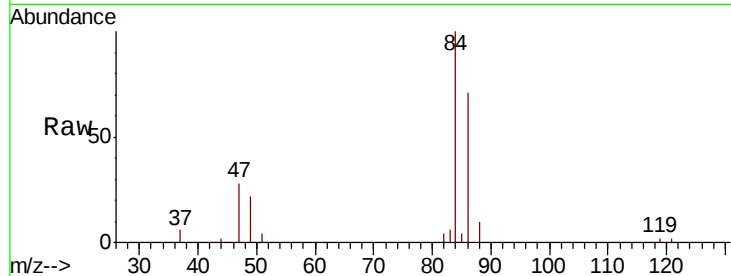




#25
Chloroform
Concen: 0.091 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041068.D
Acq: 03 Nov 2020 11:06

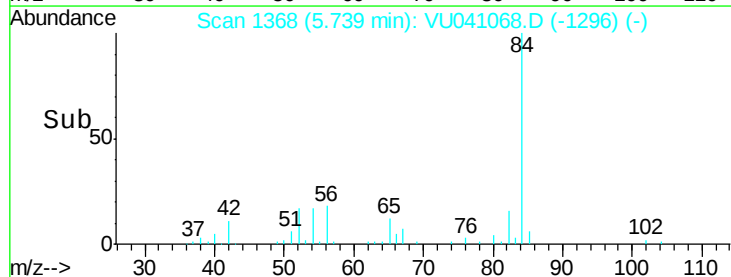
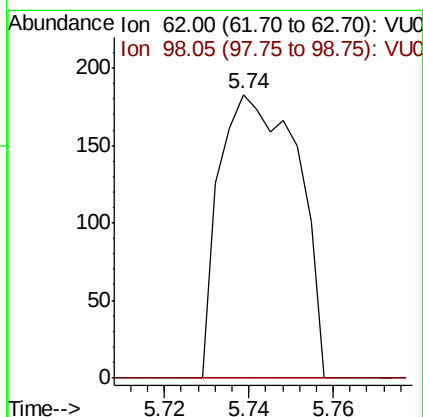
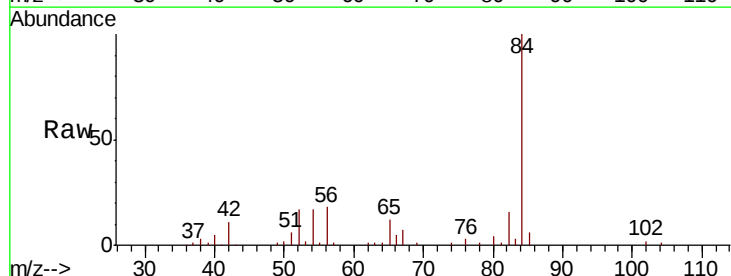
Instrument :
MSVOA_U
ClientSampleId :
BFSF2

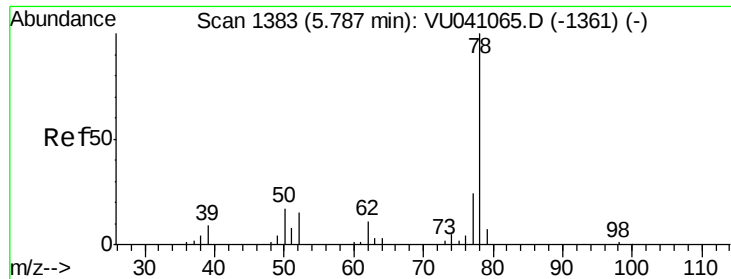
Tot Ion: 83 Resp: 675
Ion Ratio Lower Upper
83 100
85 71.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.042 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU041068.D
Acq: 03 Nov 2020 11:06

Tgt Ion: 62 Resp: 235
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.035 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU041068.D

Acq: 03 Nov 2020 11:06

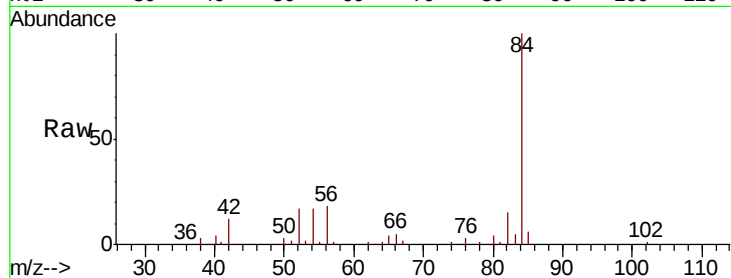
Instrument :

MSVOA_U

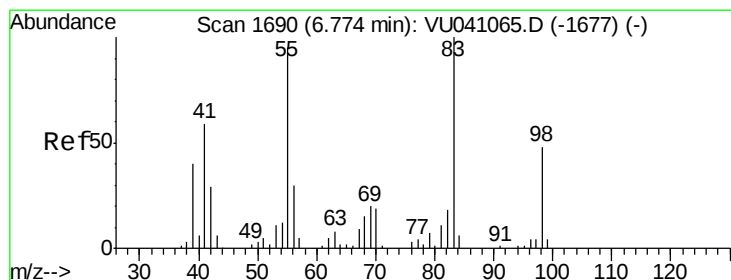
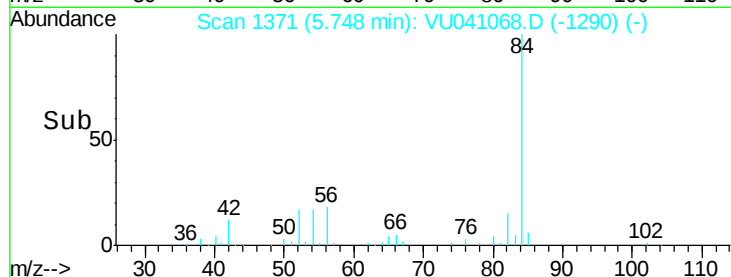
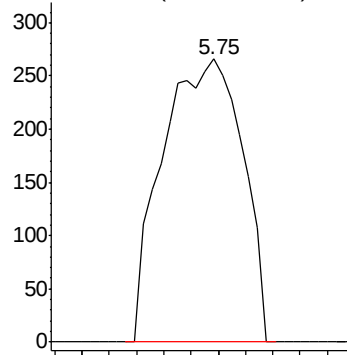
ClientSampled :

BFSF2

Tgt Ion: 78 Resp: 543



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.893 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041068.D

Acq: 03 Nov 2020 11:06

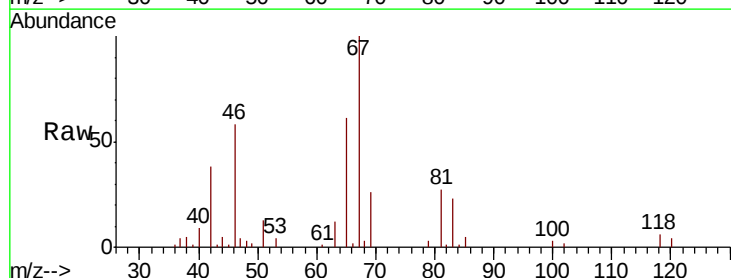
Tgt Ion: 83 Resp: 5289

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

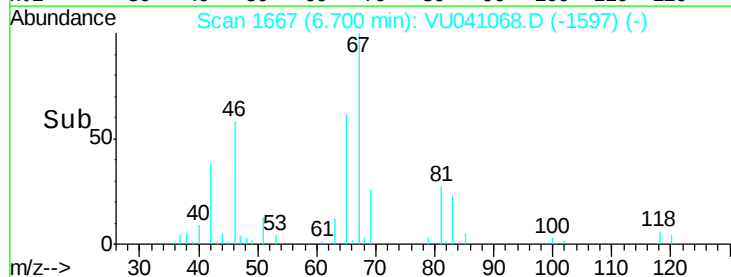
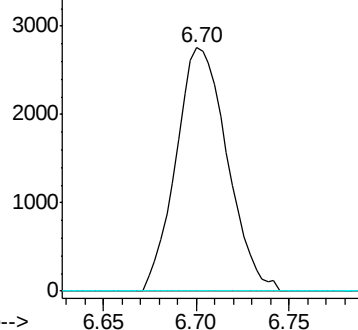
98 0.4 36.6 55.0#

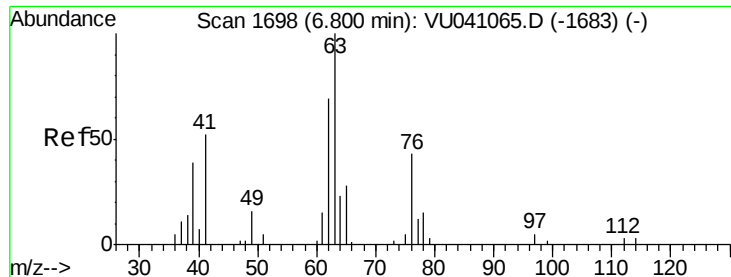


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

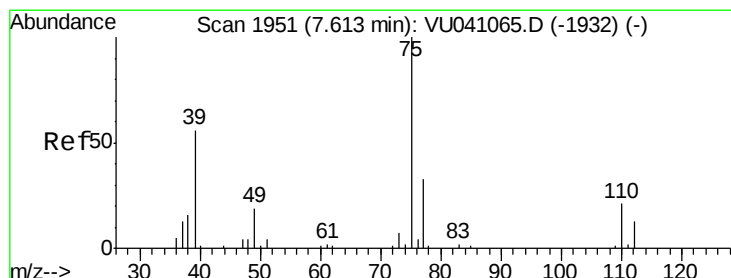
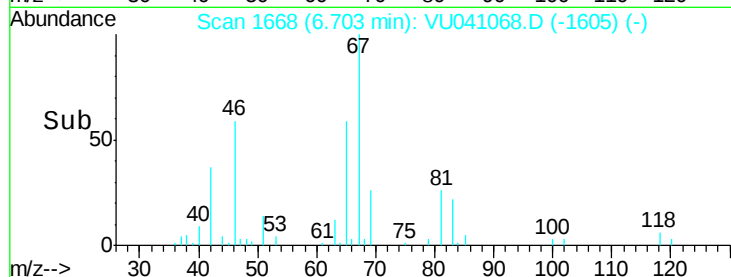
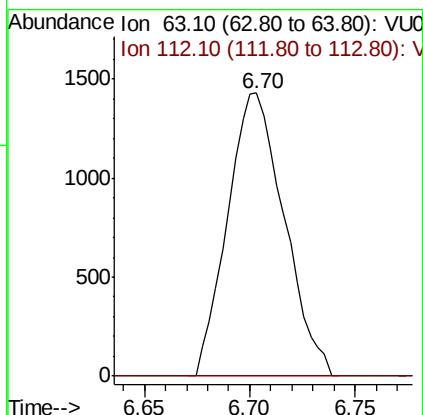
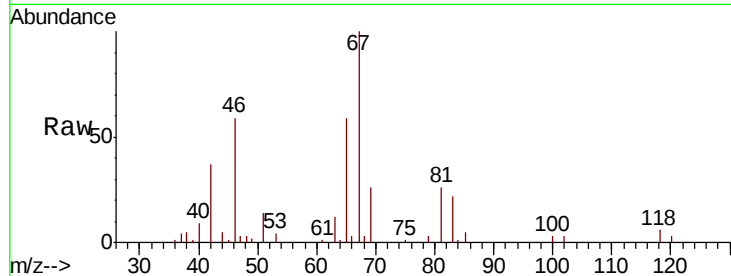




#37
 1,2-Dichloropropane
 Concen: 0.630 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041068.D
 Acq: 03 Nov 2020 11:06

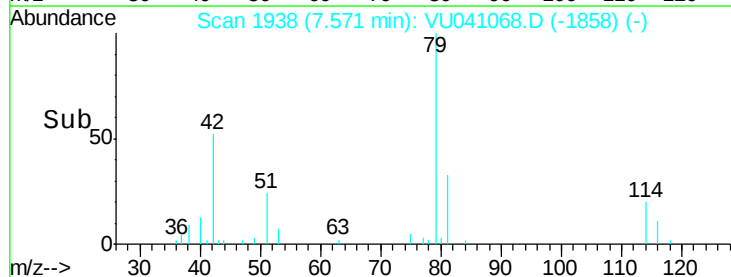
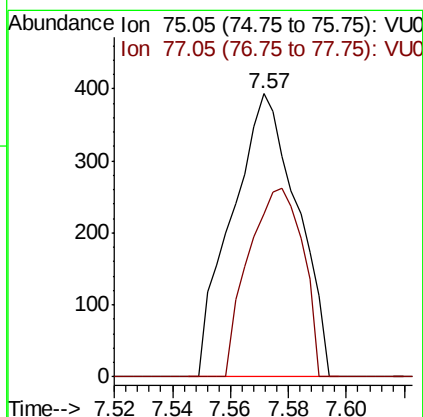
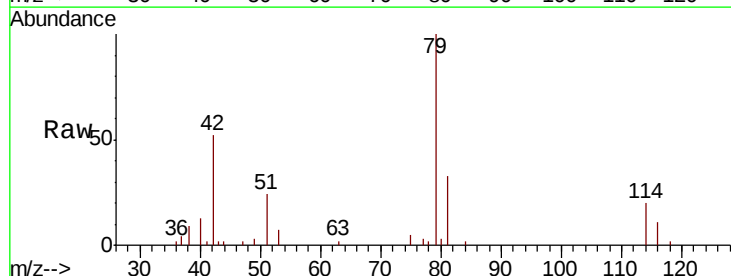
Instrument :
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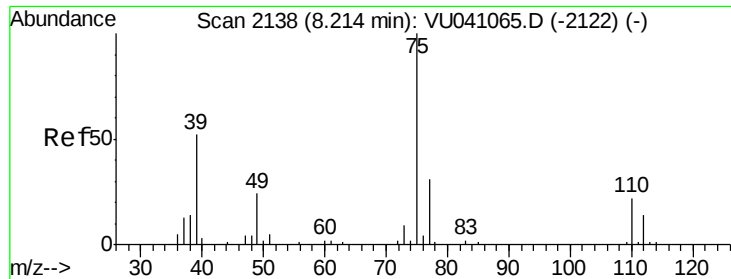
Tot Ion: 63 Resp: 2659
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041068.D
 Acq: 03 Nov 2020 11:06

Tgt Ion: 75 Resp: 614
 Ion Ratio Lower Upper
 75 100
 77 57.8 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041068.D

Acq: 03 Nov 2020 11:06

Instrument :

MSVOA_U

ClientSampleId :

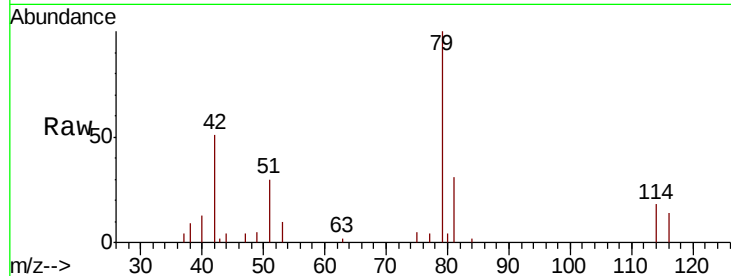
BFSF2

Tot Ion: 75 Resp: 416

Ion Ratio Lower Upper

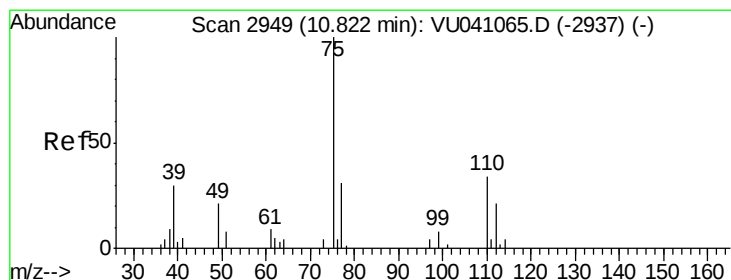
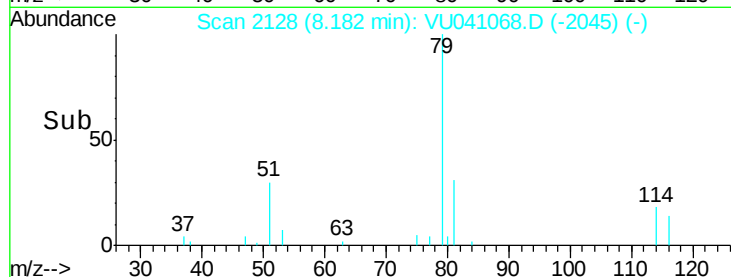
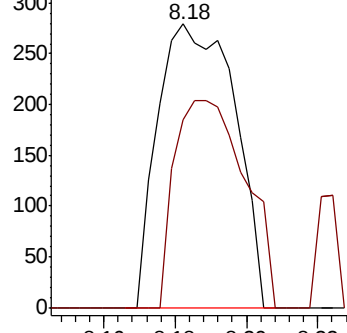
75 100

77 66.3 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.928 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041068.D

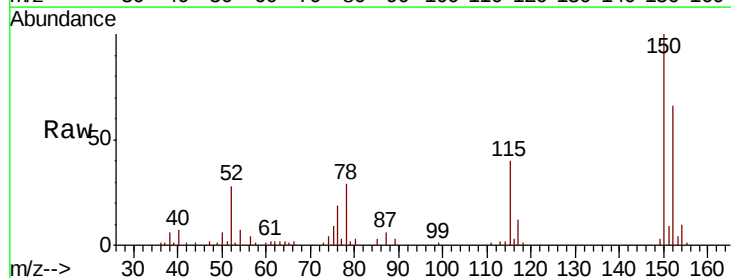
Acq: 03 Nov 2020 11:06

Tgt Ion: 75 Resp: 2920

Ion Ratio Lower Upper

75 100

77 35.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

