

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041045.D
 Acq On : 02 Nov 2020 13:05
 Operator : SY/MD
 Sample : L4550-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSS4

Quant Time: Nov 03 00:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51499	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	52570	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23493	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	20463	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.92	69	15893	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.58	63	30564	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.64	46	86237	60.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.06%
24) Chloroform-d	5.08	84	37399	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	25784	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.74	84	70064	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	23740	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	59124	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	8.19	79	9764	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.64	63	60422	56.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23070	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23283	5.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

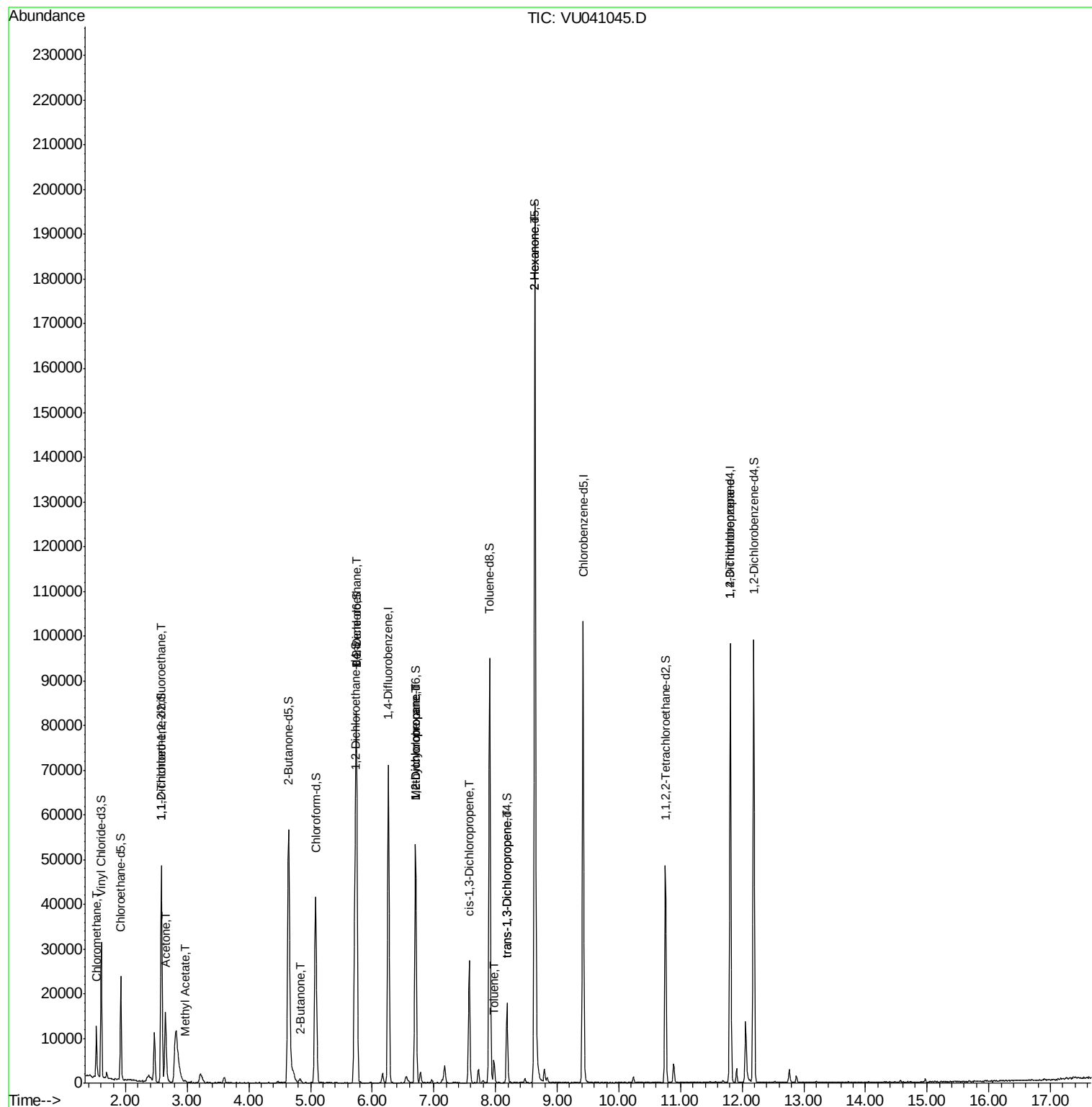
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	6816	1.390	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	194	0.050	ug/L #	22
13) Acetone	2.65	43	21365	21.934	ug/L #	60
15) Methyl Acetate	2.96	43	401	0.180	ug/L #	53
21) 2-Butanone	4.82	43	1602	1.052	ug/L	81
27) 1,2-Dichloroethane	5.74	62	365	0.066	ug/L #	74
35) Methylcyclohexane	6.70	83	5519	0.926	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2941	0.692	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	692	0.118	ug/L #	59
42) Toluene	7.97	91	3764	0.236	ug/L	95
44) trans-1,3-Dichloropropene	8.19	75	434	0.079	ug/L #	82
48) 2-Hexanone	8.64	43	10338	4.051	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	3237	1.022	ug/L #	85

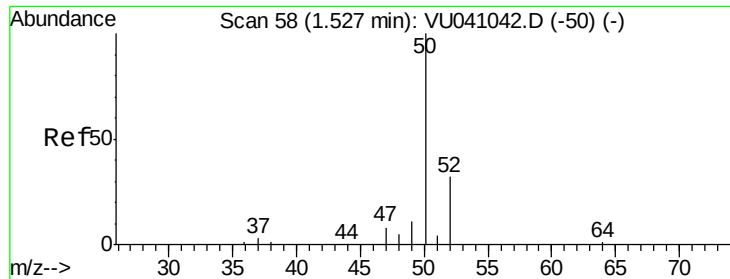
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 03 00:40:40 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.390 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

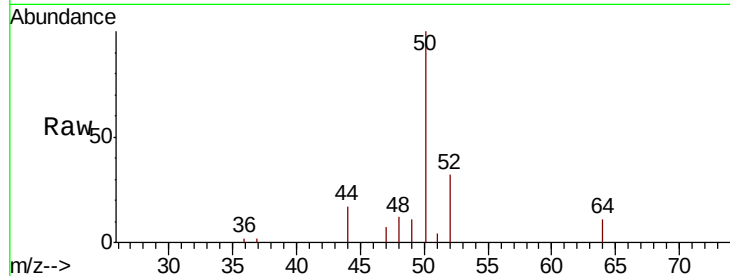
BFSS4

Tot Ion: 50 Resp: 6816

Ion Ratio Lower Upper

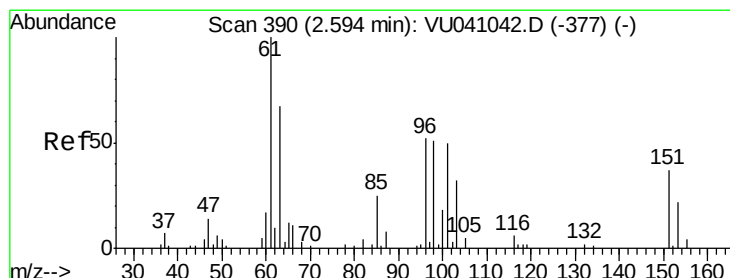
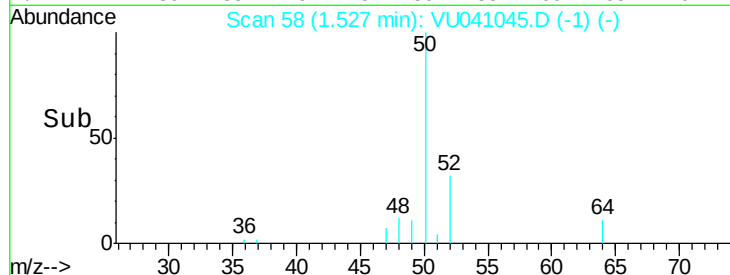
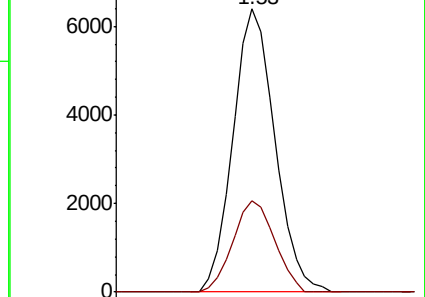
50 100

52 32.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041045.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041045.D (-50) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.050 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

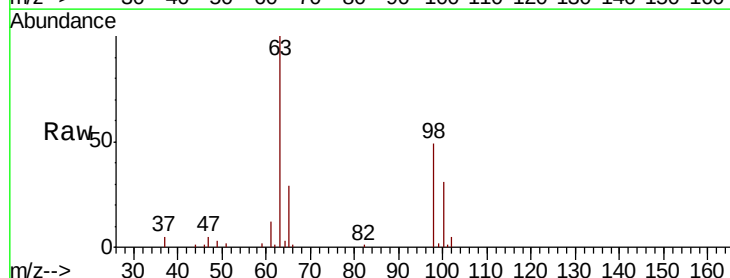
Tgt Ion: 101 Resp: 194

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

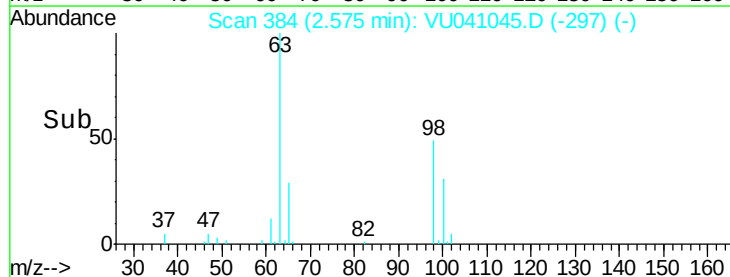
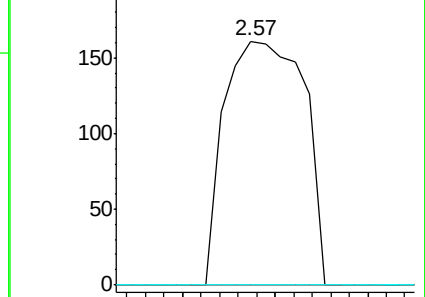
151 0.0 55.3 82.9#

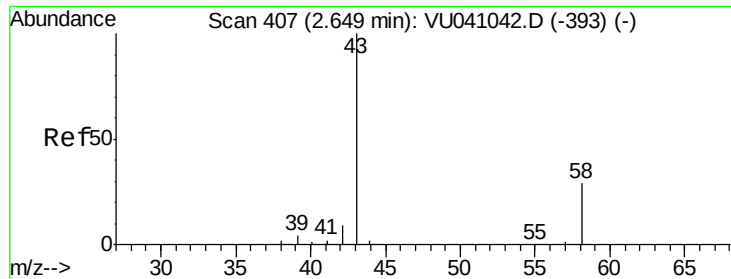


Abundance Ion 101.00 (100.70 to 101.70): VU041045.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU041045.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU041045.D (-377) (-)





#13

Acetone

Concen: 21.934 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

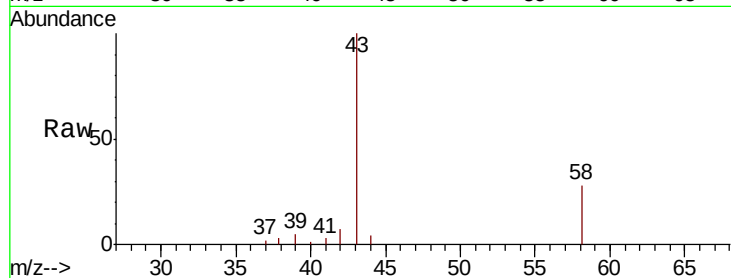
BFSS4

Tot Ion: 43 Resp: 21365

Ion Ratio Lower Upper

43 100

58 28.5 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041045.D (-314) (-)

Ion 58.05 (57.75 to 58.75): VU041045.D (-314) (-)

2.65

12000

10000

8000

6000

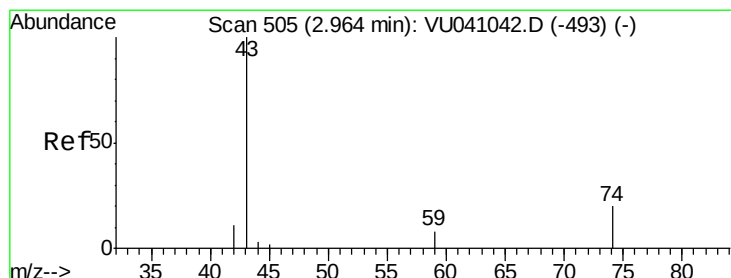
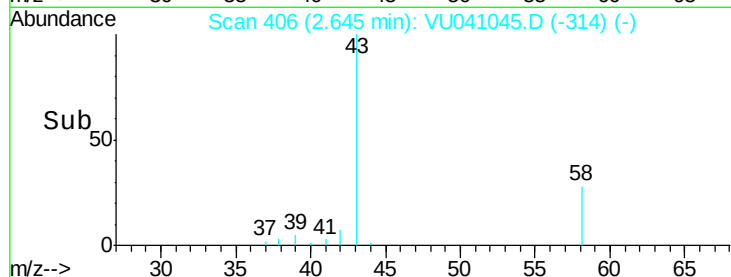
4000

2000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 0.180 ug/L

RT: 2.96 min Scan# 503

Delta R.T. -0.01 min

Lab File: VU041045.D

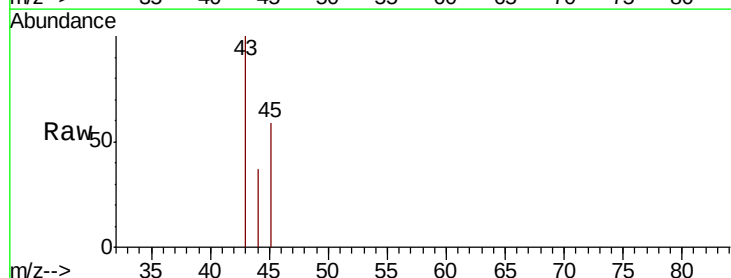
Acq: 02 Nov 2020 13:05

Tgt Ion: 43 Resp: 401

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041045.D (-412) (-)

Ion 74.05 (73.75 to 74.75): VU041045.D (-412) (-)

2.96

300

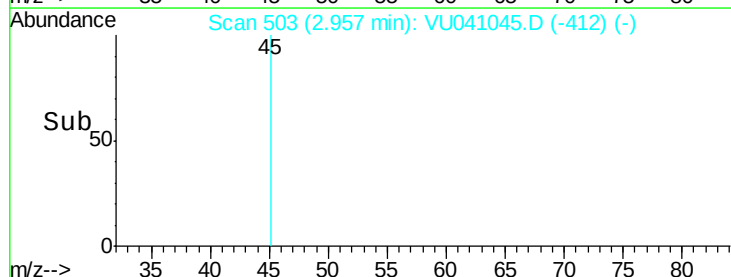
200

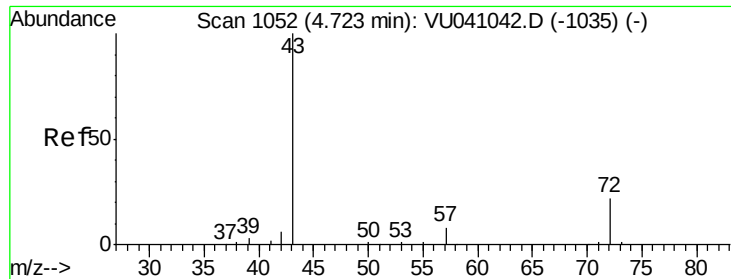
100

0

Time-->

2.94 2.96 2.98





#21

2-Butanone

Concen: 1.052 ug/L

RT: 4.82 min Scan# 1083

Delta R.T. 0.10 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

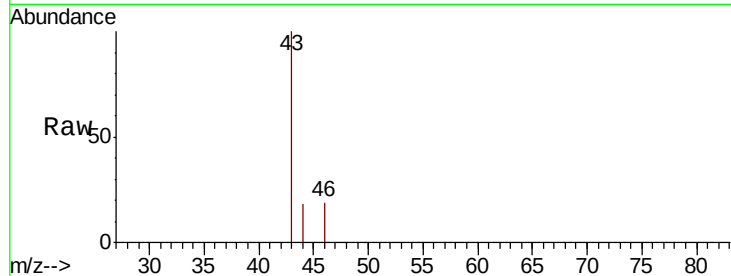
BFSS4

Tot Ion: 43 Resp: 1602

Ion Ratio Lower Upper

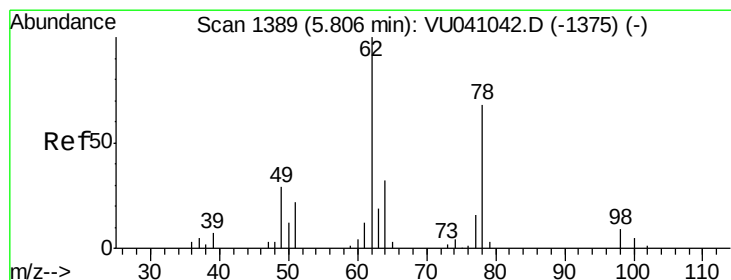
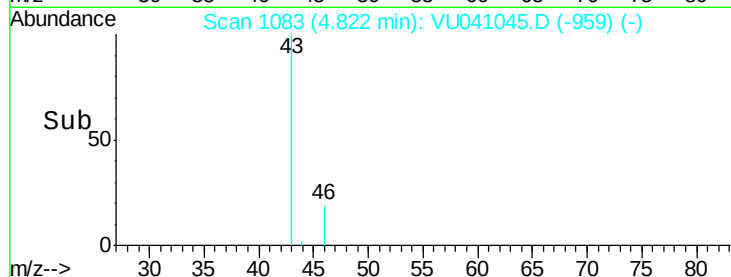
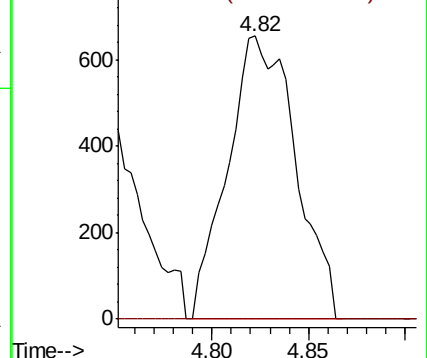
43 100

72 14.0 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#27

1,2-Dichloroethane

Concen: 0.066 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.07 min

Lab File: VU041045.D

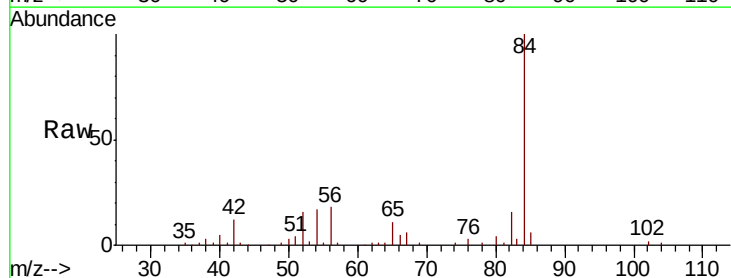
Acq: 02 Nov 2020 13:05

Tgt Ion: 62 Resp: 365

Ion Ratio Lower Upper

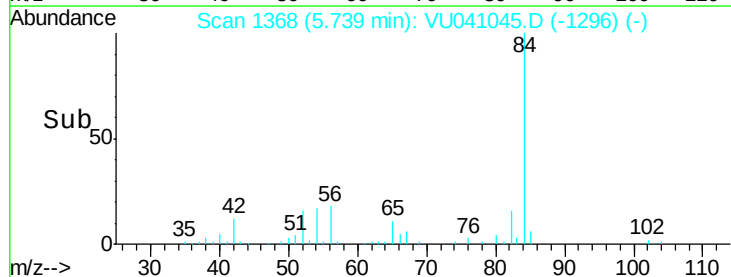
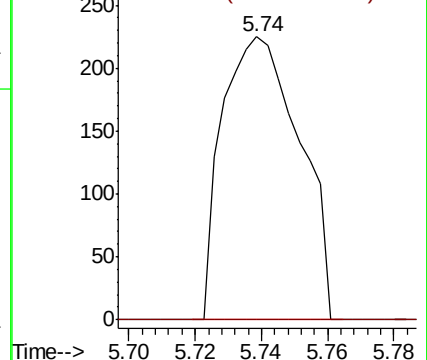
62 100

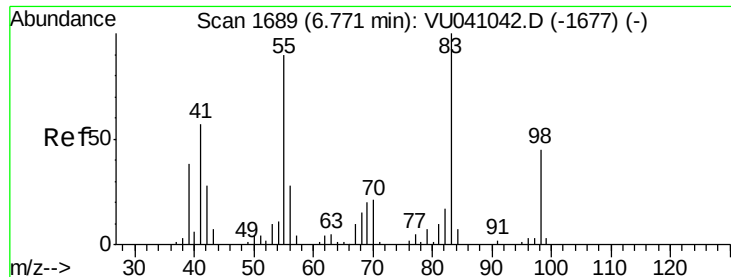
98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

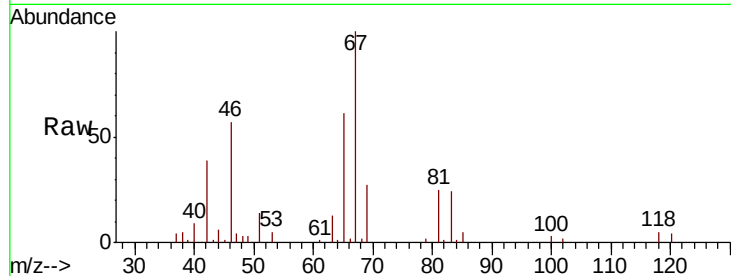




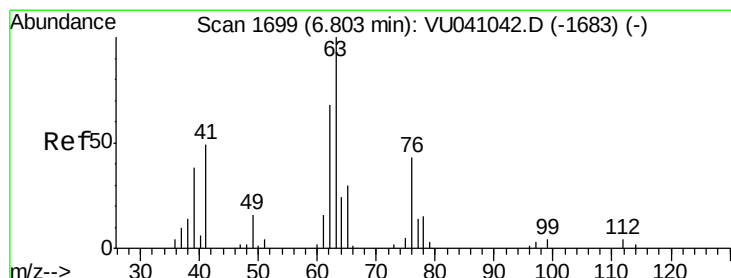
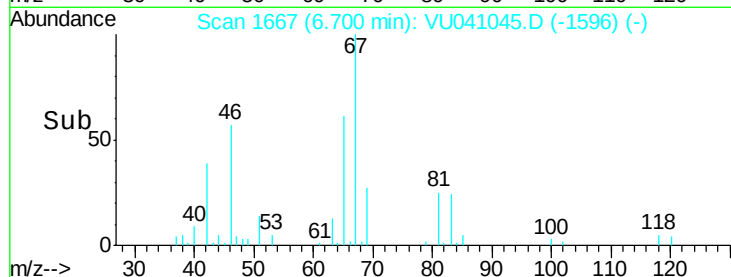
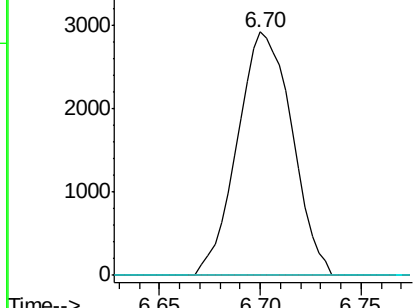
#35
Methylvlcyclohexane
Concen: 0.926 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041045.D
Acq: 02 Nov 2020 13:05

Instrument :
MSVOA_U
ClientSampleId :
BFSS4

Tot Ion: 83 Resp: 5519
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

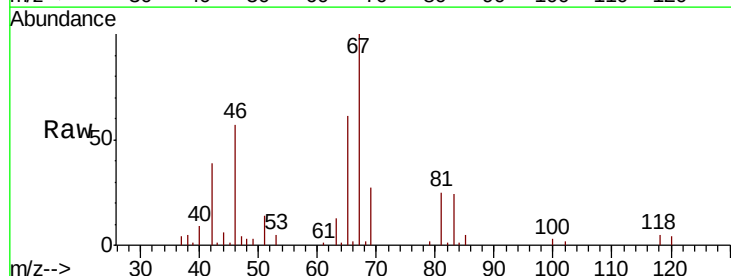


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

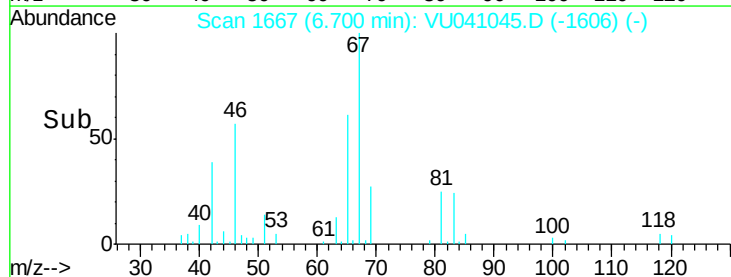
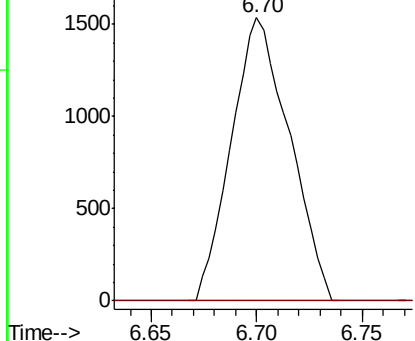


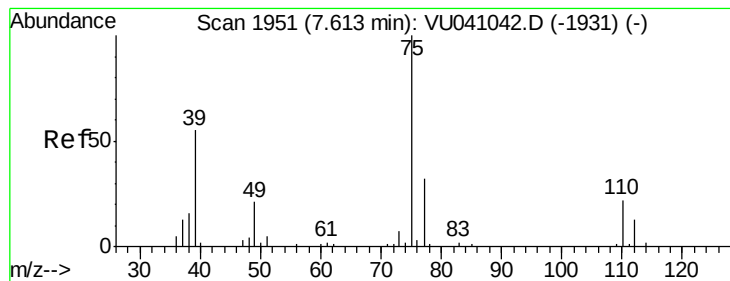
#37
1,2-Dichloropropane
Concen: 0.692 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041045.D
Acq: 02 Nov 2020 13:05

Tgt Ion: 63 Resp: 2941
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

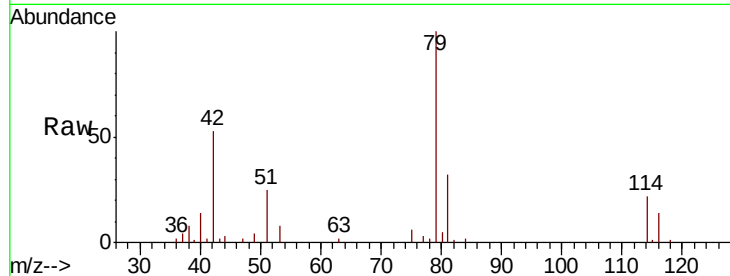
BFSS4

Tot Ion: 75 Resp: 692

Ion Ratio Lower Upper

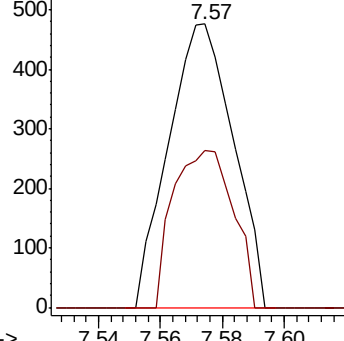
75 100

77 55.5 22.7 42.3#

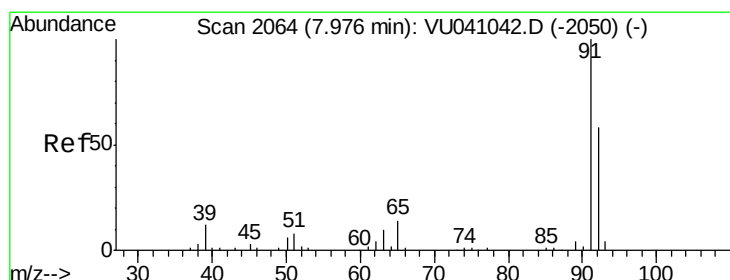
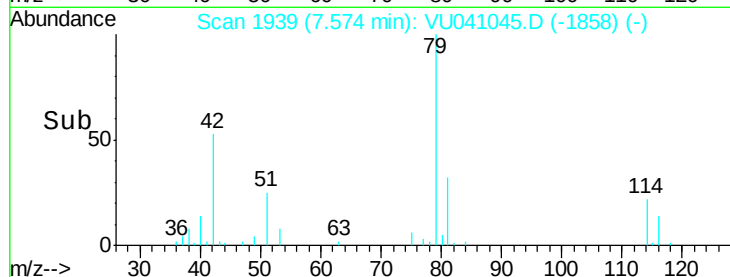


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->



#42

Toluene

Concen: 0.236 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041045.D

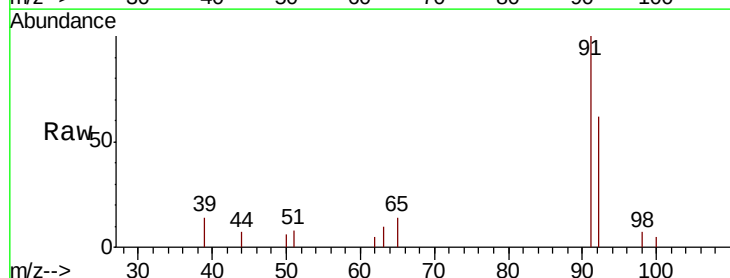
Acq: 02 Nov 2020 13:05

Tgt Ion: 91 Resp: 3764

Ion Ratio Lower Upper

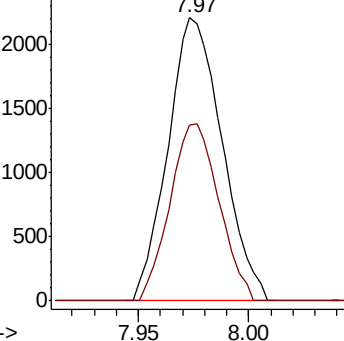
91 100

92 62.0 40.6 75.4

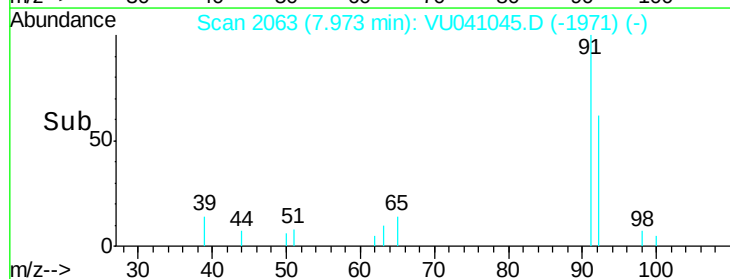


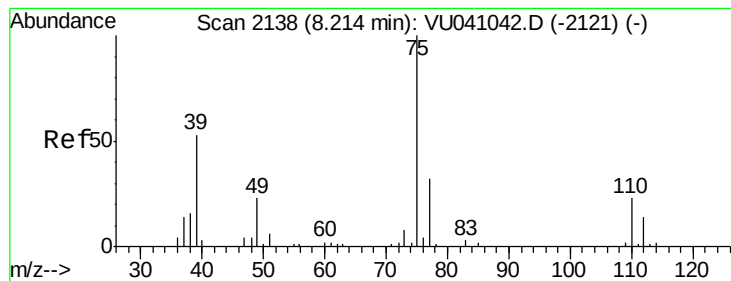
Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

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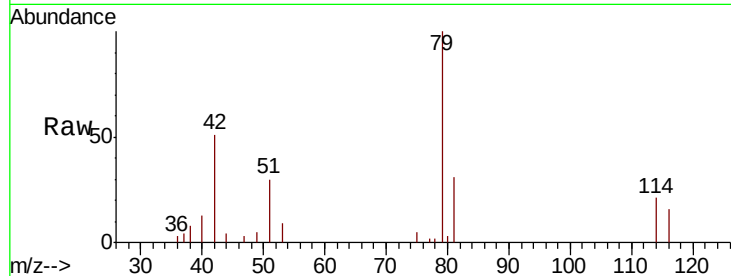
BFSS4

Tot Ion: 75 Resp: 434

Ion Ratio Lower Upper

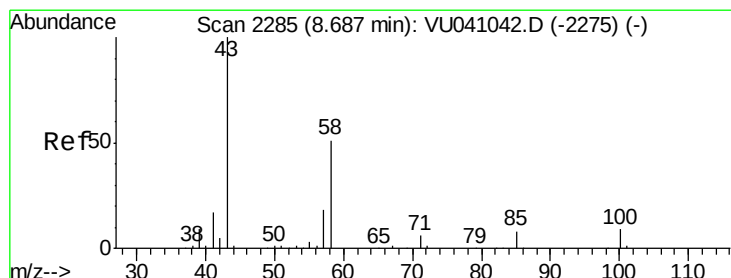
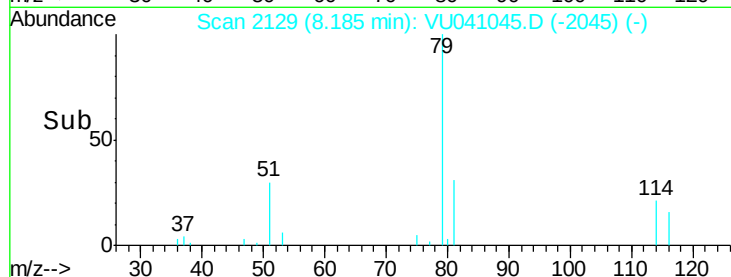
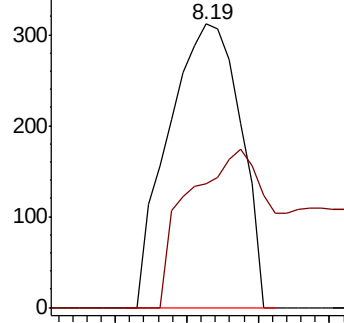
75 100

77 43.6 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 4.051 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Tgt Ion: 43 Resp: 10338

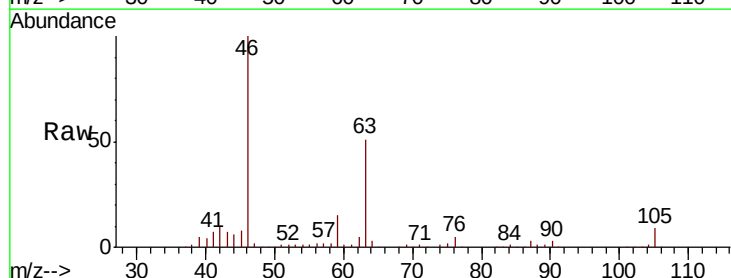
Ion Ratio Lower Upper

43 100

58 26.6 41.4 62.2#

57 23.8 14.6 21.8#

100 0.0 8.3 12.5#

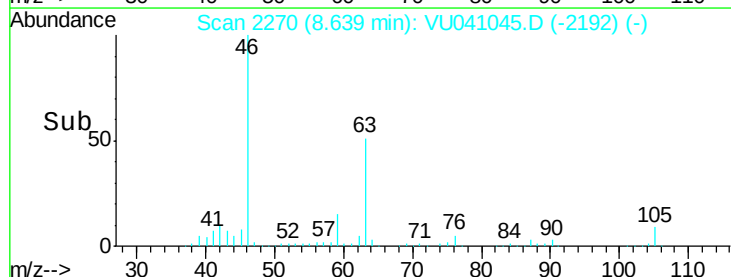
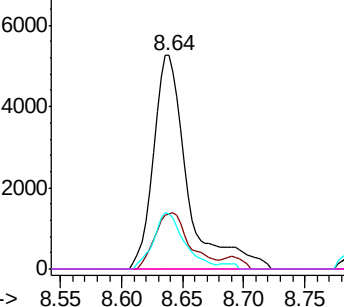


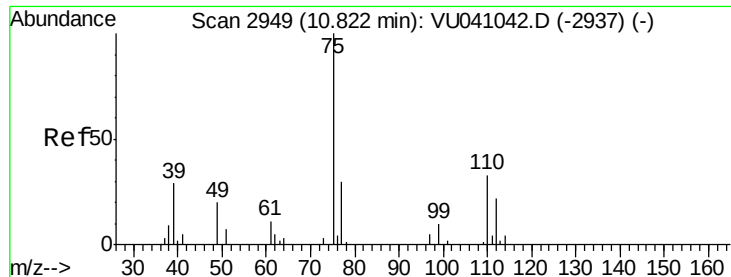
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 1.022 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041045.D

Acq: 02 Nov 2020 13:05

Instrument :

MSVOA_U

ClientSampleId :

BFSS4

Tot Ion: 75 Resp: 3237

Ion Ratio Lower Upper

75 100

77 40.7 25.7 38.5#

