

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120920\
 Data File : VU041515.D
 Acq On : 09 Dec 2020 15:23
 Operator : SY/MD
 Sample : L4979-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 04:47:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 10 04:45:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	44696	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	40118	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	20468	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	7553	3.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.80%
7) Chloroethane-d5	1.92	69	8181	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.58	63	15354	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.65	46	41706	48.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.90%
24) Chloroform-d	5.08	84	29936	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	21434	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	43232	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	12508	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.91	98	36451	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
43) trans-1,3-Dichloropropene-	8.19	79	7510	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.64	63	29603	45.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	12725	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	18227	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	117	0.046	ug/L #	41
8) Chloroethane	1.95	64	408	0.206	ug/L #	45
13) Acetone	2.66	43	12883	19.222	ug/L	95
14) Carbon disulfide	2.81	76	1640	0.203	ug/L #	88
15) Methyl Acetate	2.76	43	294	0.240	ug/L #	51
21) 2-Butanone	4.74	43	1218	1.452	ug/L	91
25) Chloroform	5.10	83	957	0.154	ug/L	94
27) 1,2-Dichloroethane	5.74	62	256	0.053	ug/L #	79
33) Benzene	5.79	78	1288	0.130	ug/L	100
35) Methylcyclohexane	6.70	83	4077	0.997	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	1798	0.773	ug/L #	84
39) cis-1,3-Dichloropropene	7.58	75	543	0.129	ug/L #	74
42) Toluene	7.98	91	3519	0.315	ug/L	98
44) trans-1,3-Dichloropropene	8.18	75	384	0.091	ug/L	97
48) 2-Hexanone	8.64	43	4400	2.937	ug/L #	69
52) Ethylbenzene	9.57	91	1381	0.108	ug/L	99
53) m,p-Xylene	9.57	106	381	0.082	ug/L	69

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Instrument :
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ClientSampleId :

Quant Time: Dec 10 04:47:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 10 04:45:04 2020
Response via : Initial Calibration

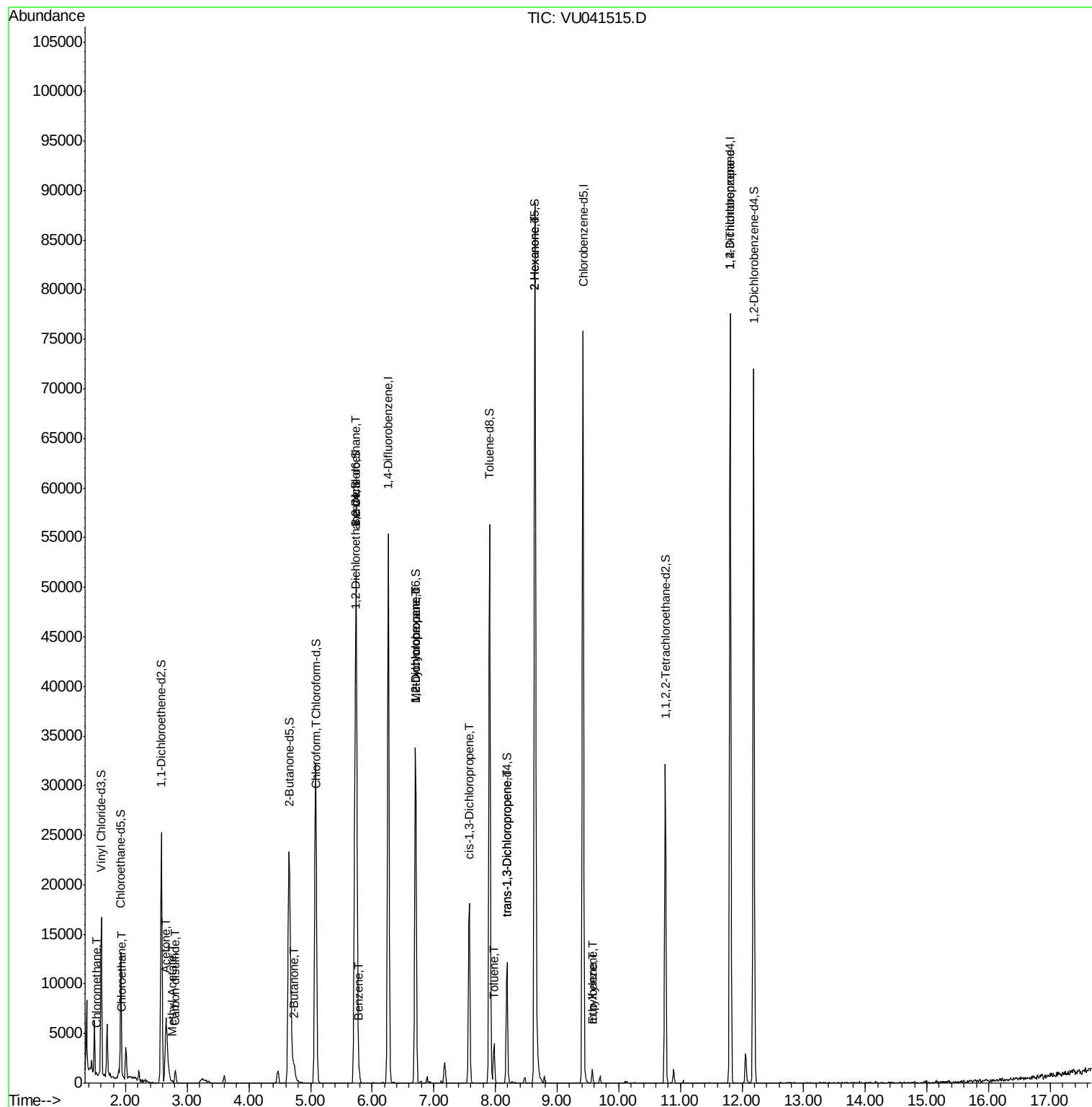
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.81	75	1862	0.825	ug/L #	64
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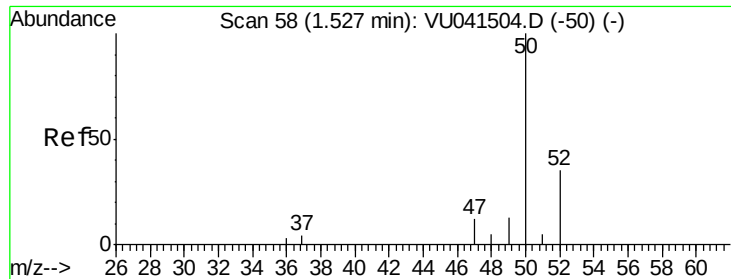
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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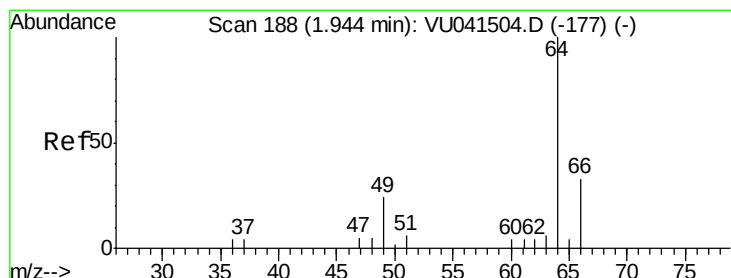
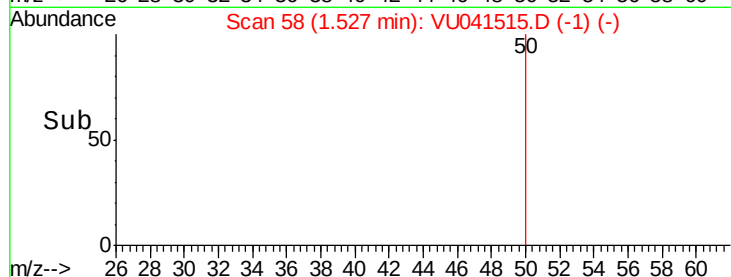
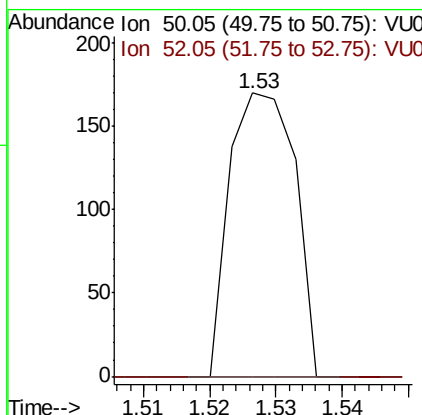
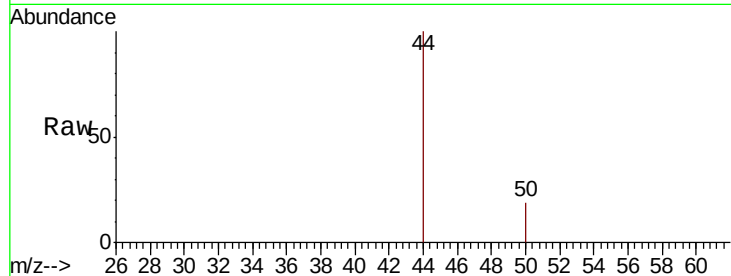




#3
Chloromethane
Concen: 0.046 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

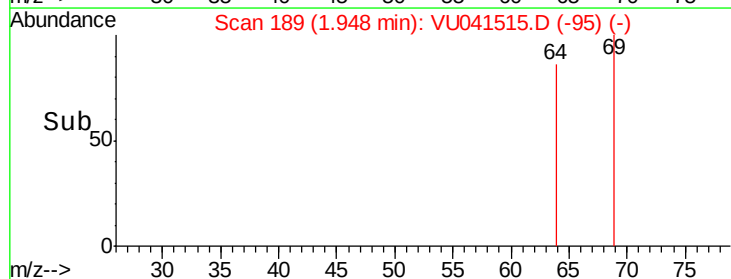
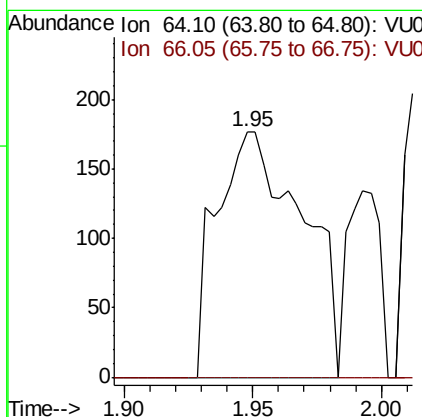
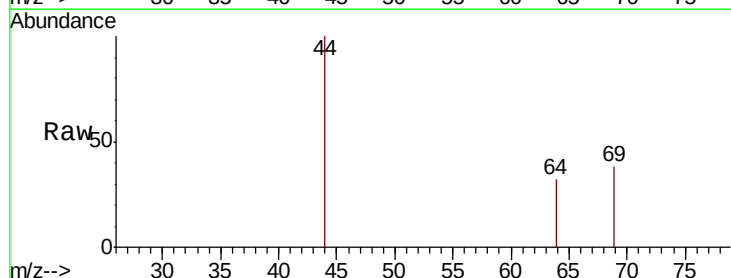
Instrument :
MSVOA_U
ClientSampleId :

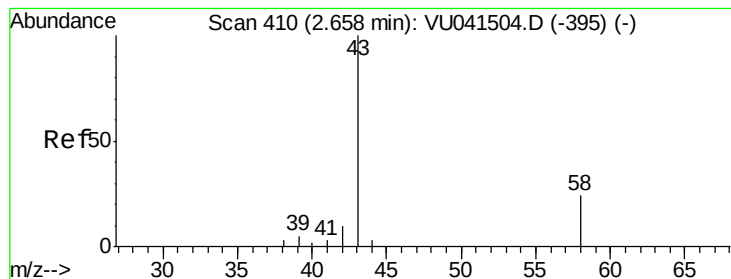
Tot Ion: 50 Resp: 117
Ion Ratio Lower Upper
50 100
52 0.0 23.3 43.3#



#8
Chloroethane
Concen: 0.206 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Tgt Ion: 64 Resp: 408
Ion Ratio Lower Upper
64 100
66 0.0 20.9 38.9#





#13

Acetone

Concen: 19.222 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041515.D

Acq: 09 Dec 2020 15:23

Instrument :

MSVOA_U

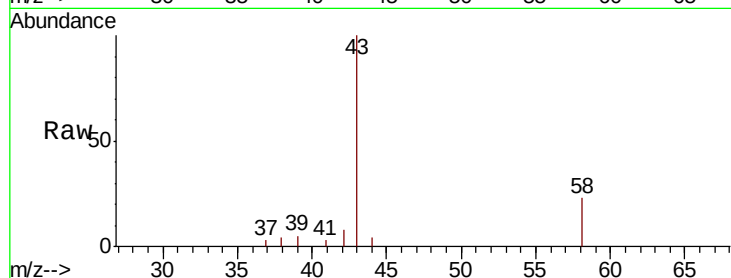
ClientSampleId :

Tot Ion: 43 Resp: 12883

Ion Ratio Lower Upper

43 100

58 22.6 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041515.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VU041515.D (-317) (-)

2.66

4000

3000

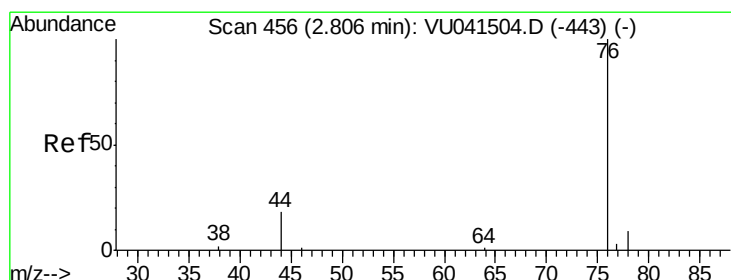
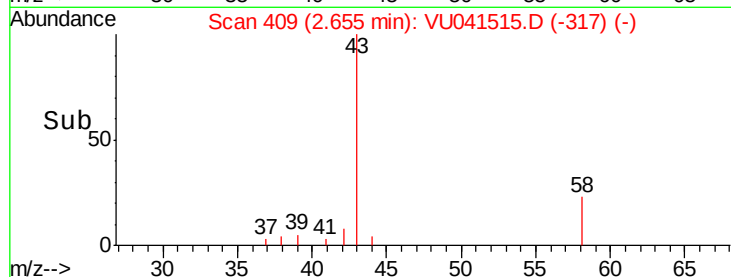
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.203 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041515.D

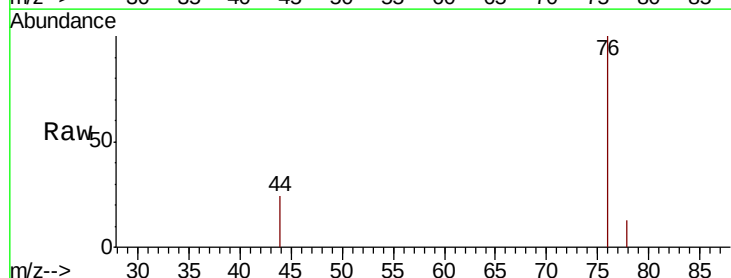
Acq: 09 Dec 2020 15:23

Tgt Ion: 76 Resp: 1640

Ion Ratio Lower Upper

76 100

78 12.6 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU041515.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041515.D (-363) (-)

2.81

1000

800

600

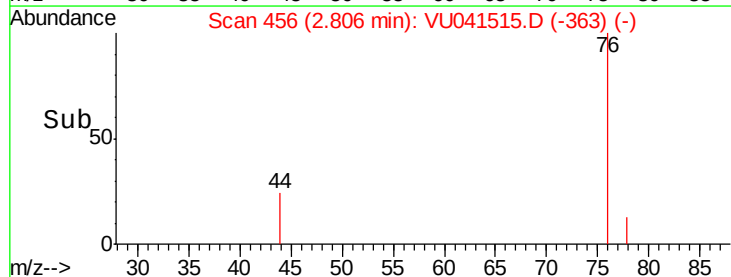
400

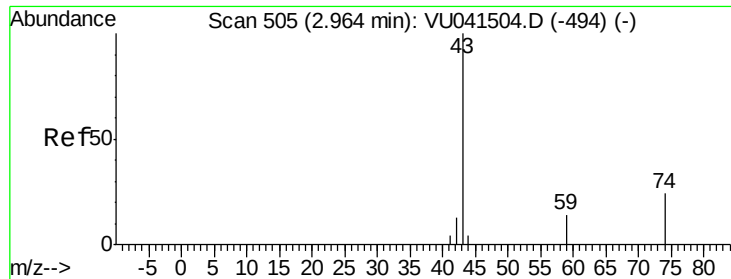
200

0

Time-->

2.75 2.80 2.85

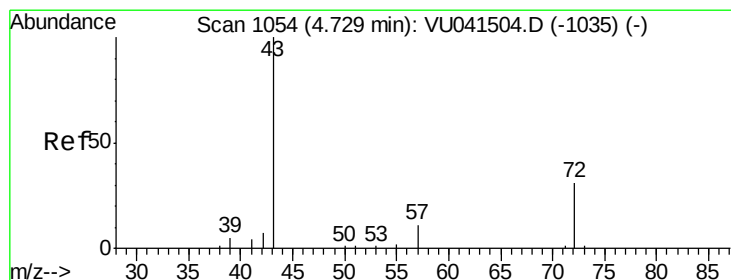
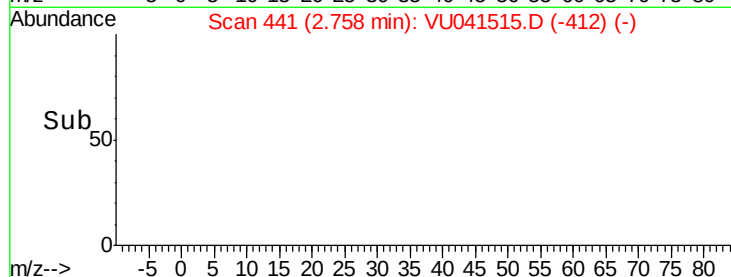
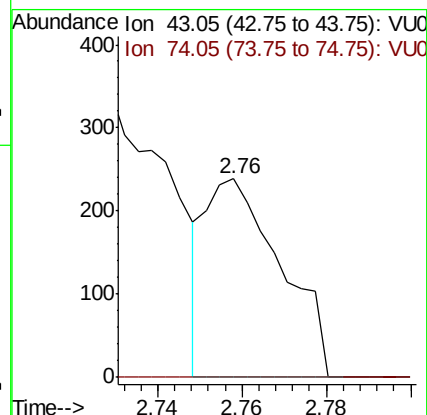
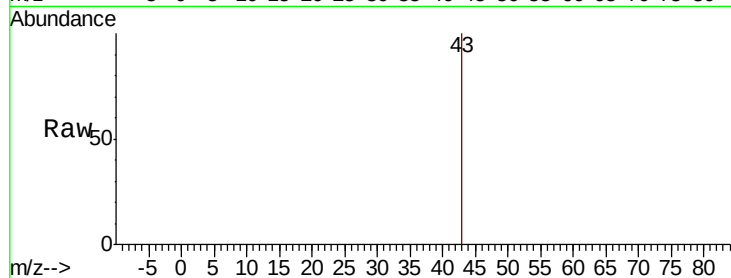




#15
Methyl Acetate
Concen: 0.240 ug/L
RT: 2.76 min Scan# 441
Delta R.T. -0.21 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

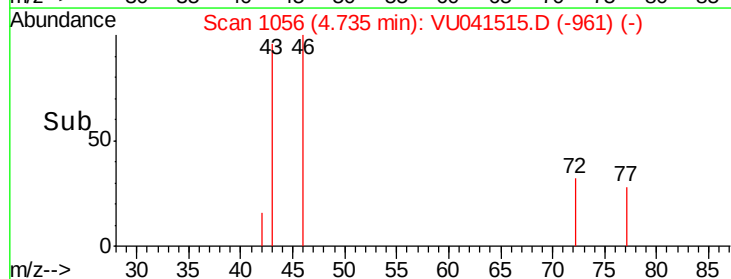
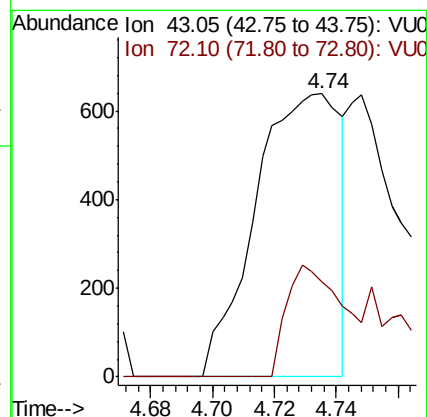
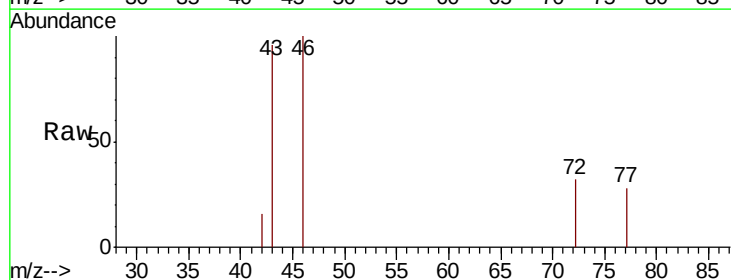
Instrument :
MSVOA_U
ClientSampleId :

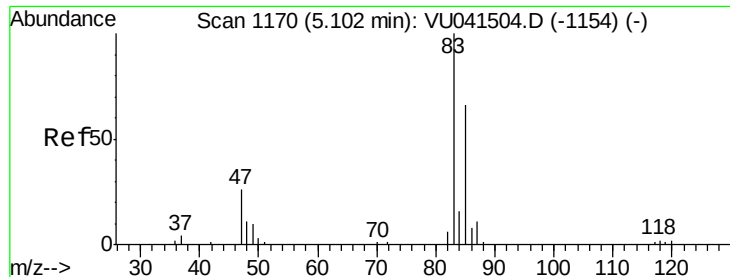
Tot Ion: 43 Resp: 294
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#21
2-Butanone
Concen: 1.452 ug/L
RT: 4.74 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
72 26.3 15.7 47.1

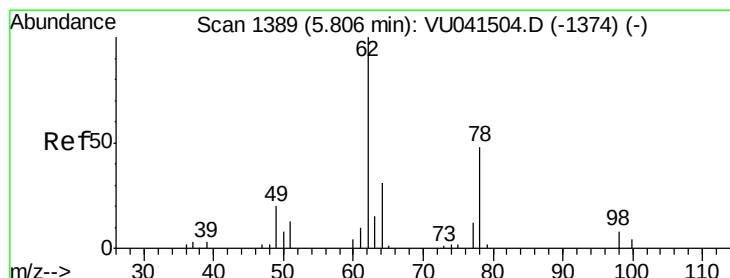
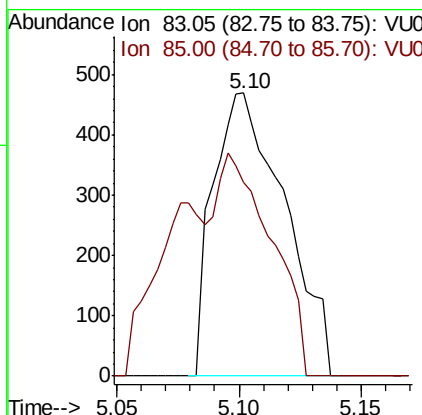
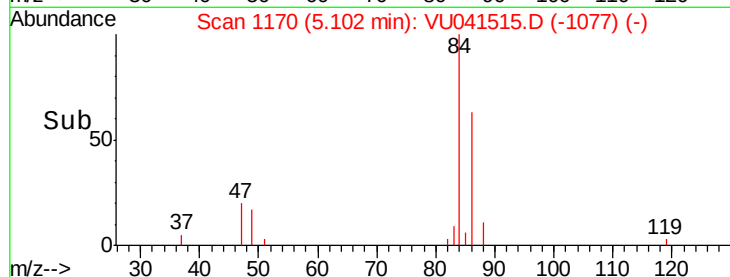
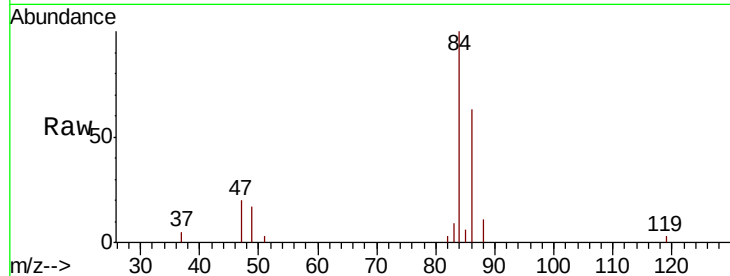




#25
Chloroform
Concen: 0.154 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

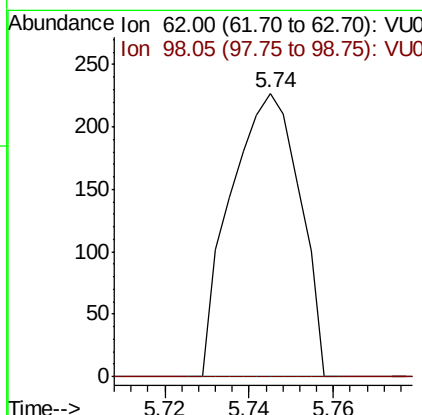
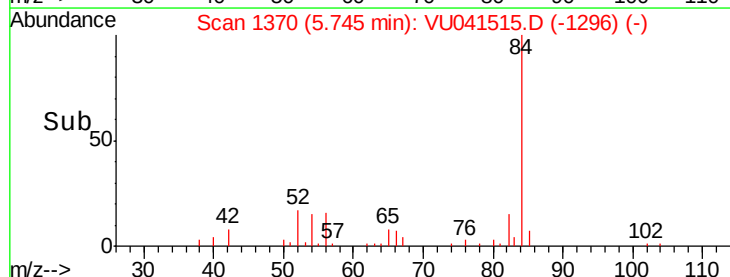
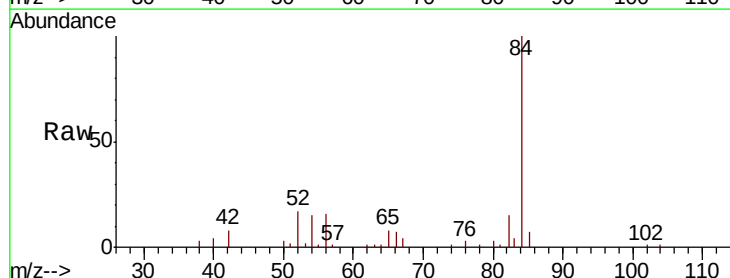
Instrument :
MSVOA_U
ClientSampled :

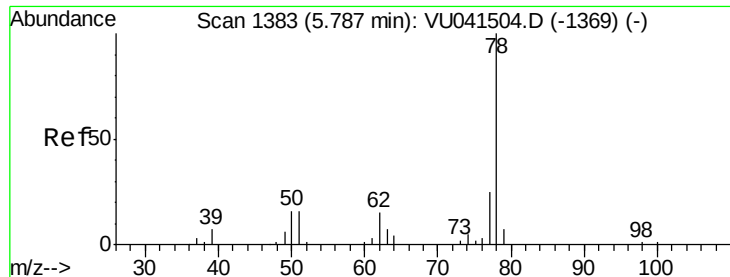
Tot Ion: 83 Resp: 957
Ion Ratio Lower Upper
83 100
85 68.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.053 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Tgt Ion: 62 Resp: 256
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#

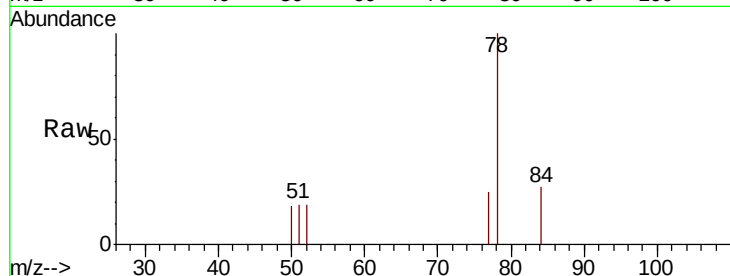




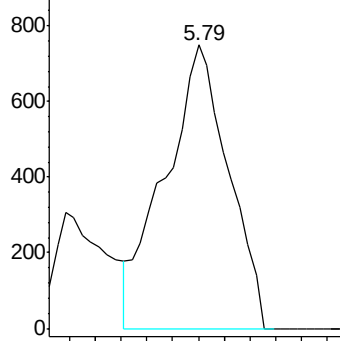
#33
Benzene
Concen: 0.130 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Instrument :
MSVOA_U
ClientSampled :

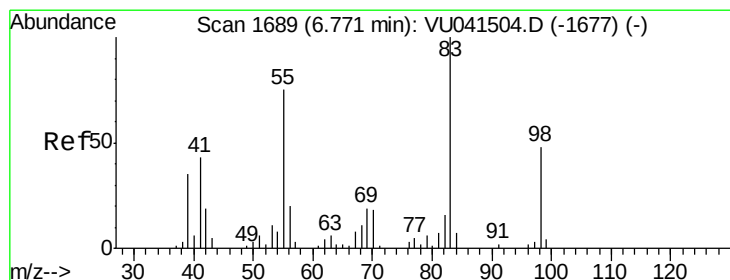
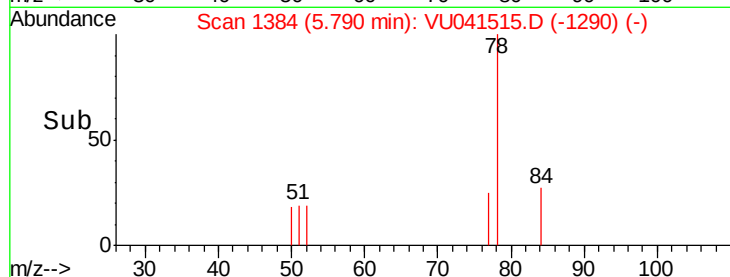
Tgt Ion: 78 Resp: 1288



Abundance Ion 78.10 (77.80 to 78.80): VU0

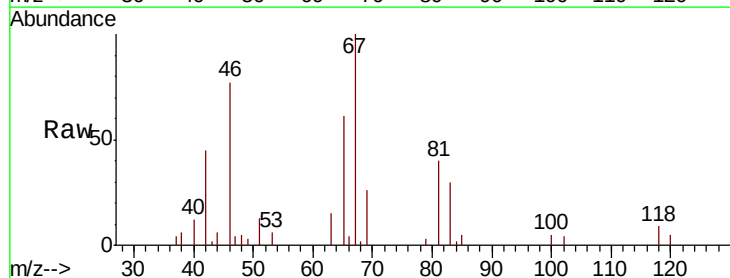


Time-->



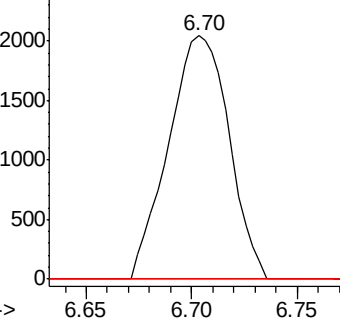
#35
Methylcyclohexane
Concen: 0.997 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Tgt Ion: 83 Resp: 4077
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 0.0 38.7 58.1#

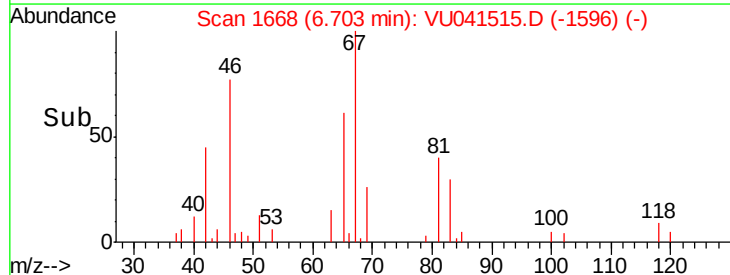


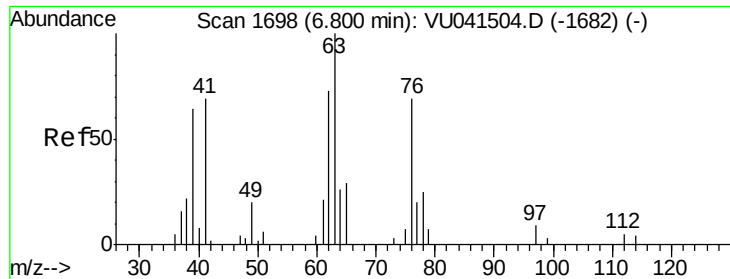
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0



Time-->

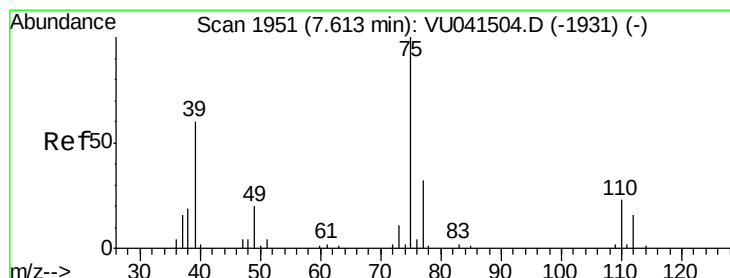
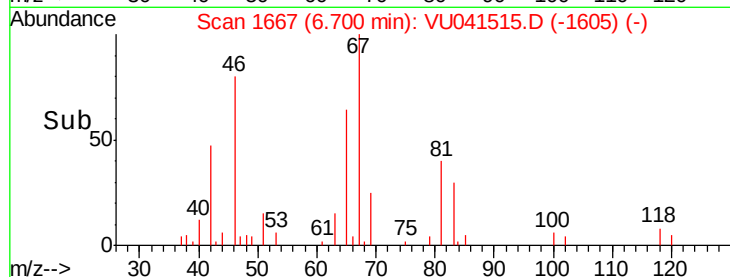
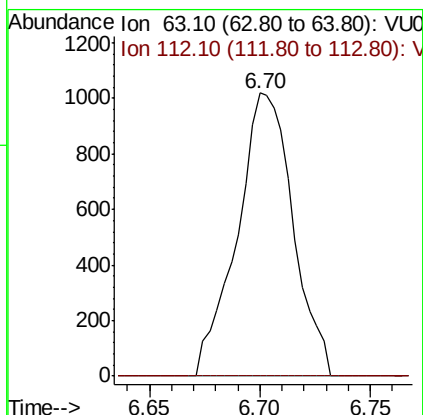
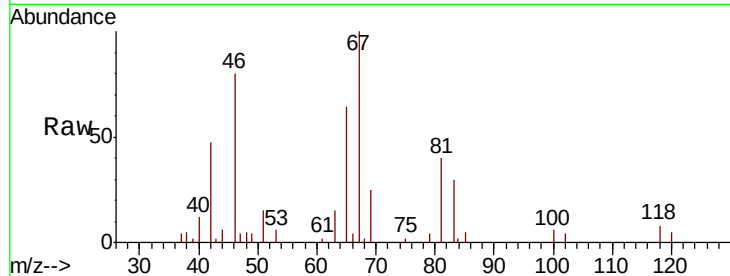




#37
 1,2-Dichloropropane
 Concen: 0.773 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041515.D
 Acq: 09 Dec 2020 15:23

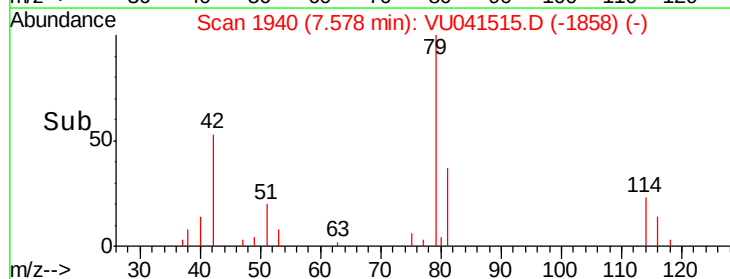
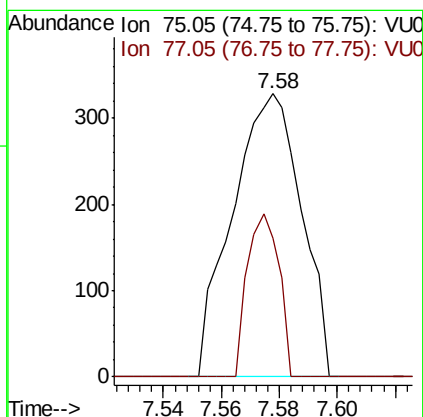
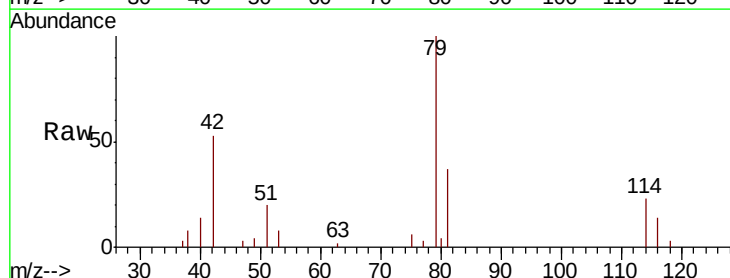
Instrument :
 MSVOA_U
 ClientSampleId :

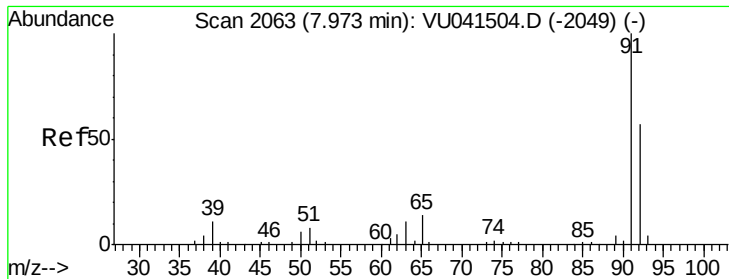
Tot Ion: 63 Resp: 1798
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.129 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041515.D
 Acq: 09 Dec 2020 15:23

Tgt Ion: 75 Resp: 543
 Ion Ratio Lower Upper
 75 100
 77 49.1 24.0 44.6#





#42

Toluene

Concen: 0.315 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041515.D

Acq: 09 Dec 2020 15:23

Instrument :

MSVOA_U

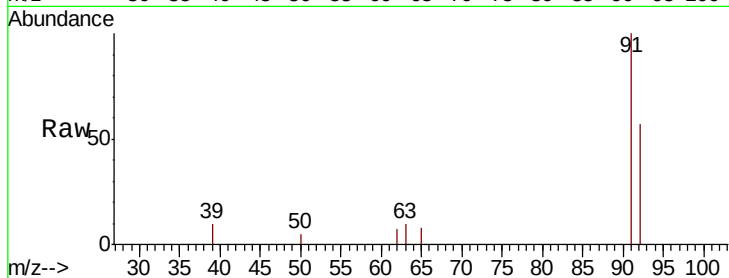
ClientSampleId :

Tot Ion: 91 Resp: 3519

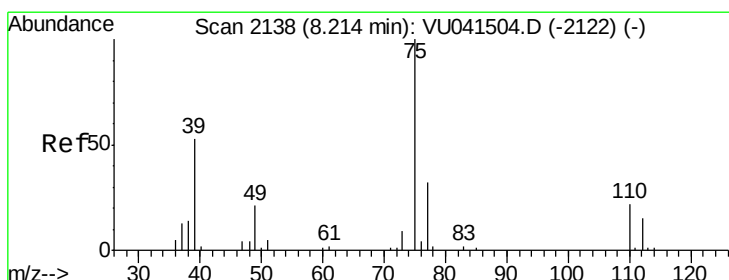
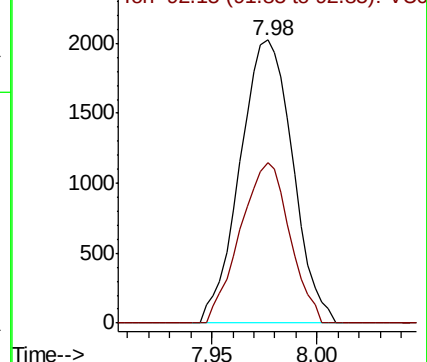
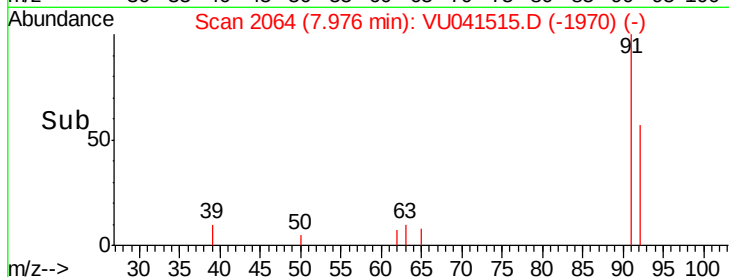
Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU041515.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041515.D

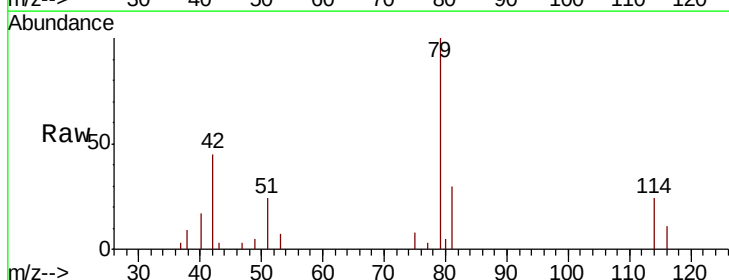
Acq: 09 Dec 2020 15:23

Tgt Ion: 75 Resp: 384

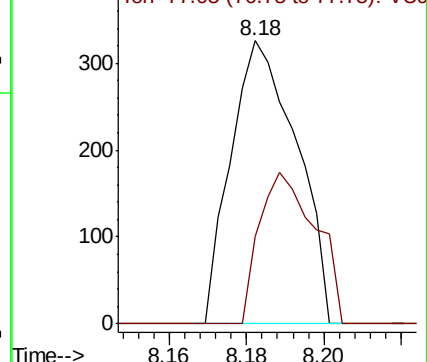
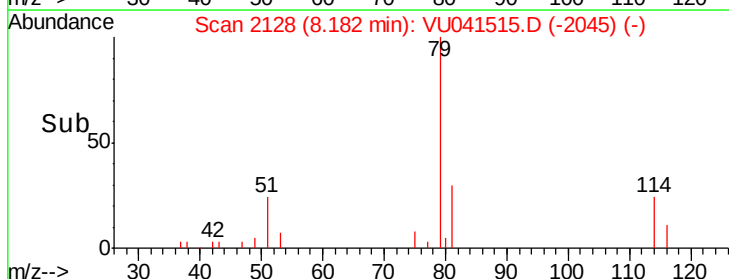
Ion Ratio Lower Upper

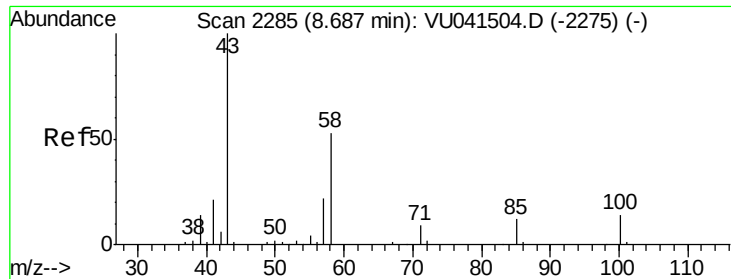
75 100

77 30.7 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041515.D (-2045) (-)

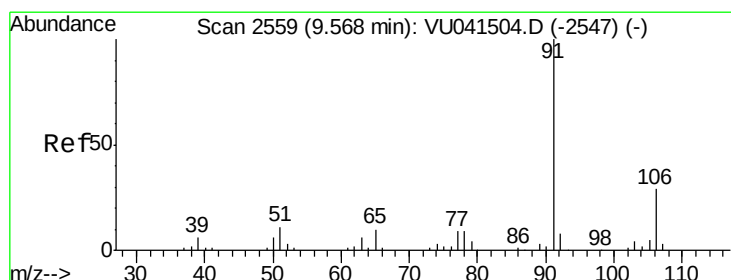
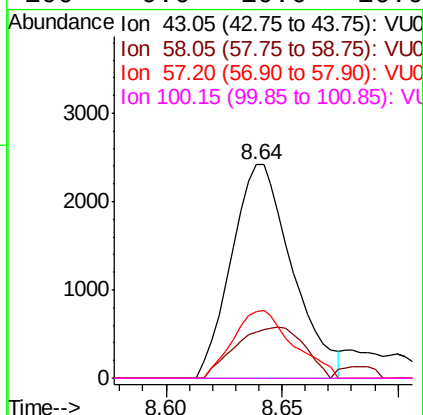
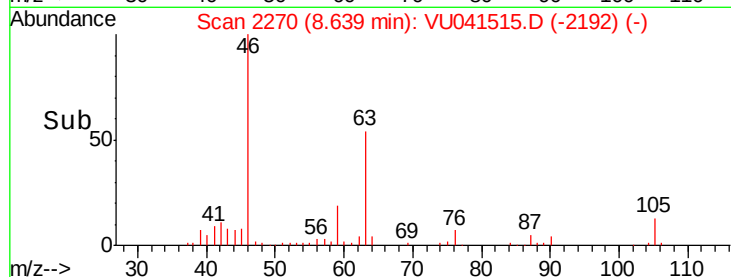
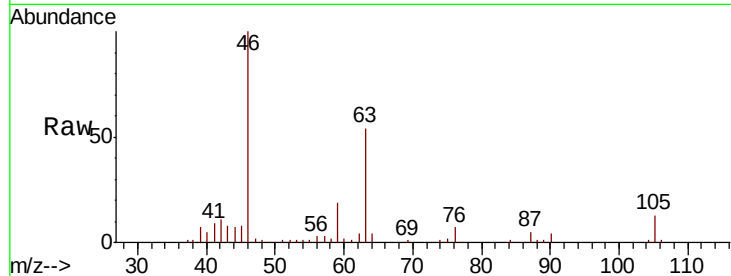




#48
2-Hexanone
Concen: 2.937 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

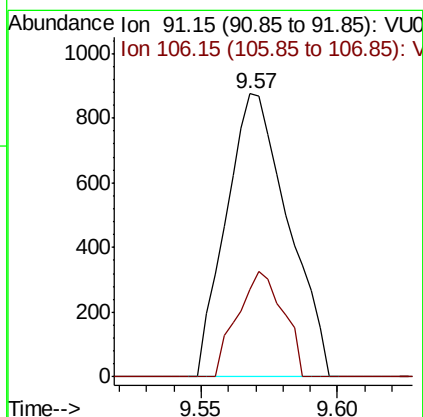
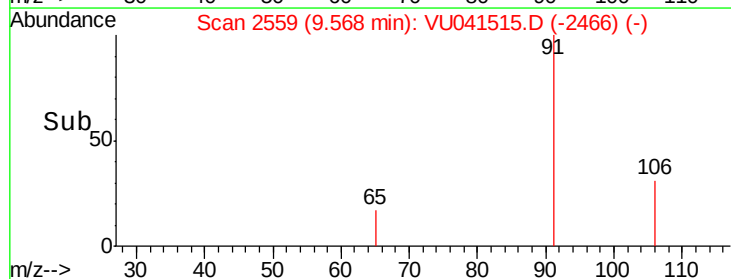
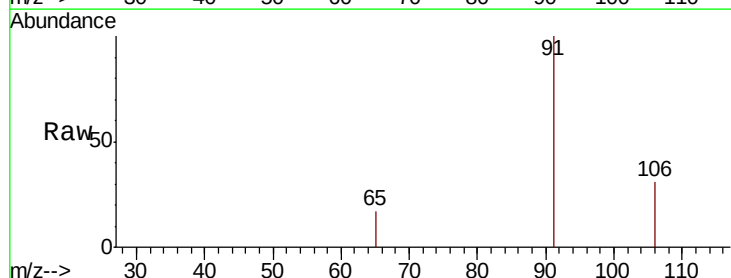
Instrument :
MSVOA_U
ClientSampleId :

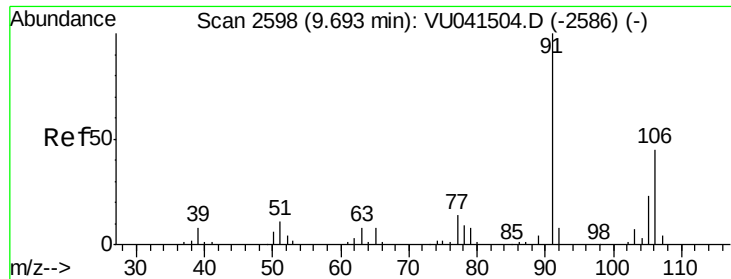
Tot Ion: 43 Resp: 4400
Ion Ratio Lower Upper
43 100
58 27.0 41.4 62.0#
57 31.2 17.1 25.7#
100 0.0 10.6 16.0#



#52
Ethylbenzene
Concen: 0.108 ug/L
RT: 9.57 min Scan# 2559
Delta R.T. 0.00 min
Lab File: VU041515.D
Acq: 09 Dec 2020 15:23

Tgt Ion: 91 Resp: 1381
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4





#53

m,p-Xylene

Concen: 0.082 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.12 min

Lab File: VU041515.D

Acq: 09 Dec 2020 15:23

Instrument :

MSVOA_U

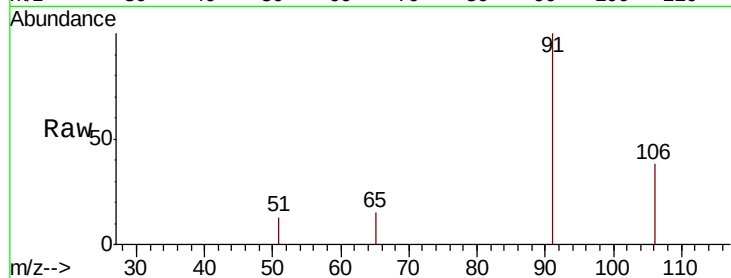
ClientSampleId :

Tot Ion:106 Resp: 381

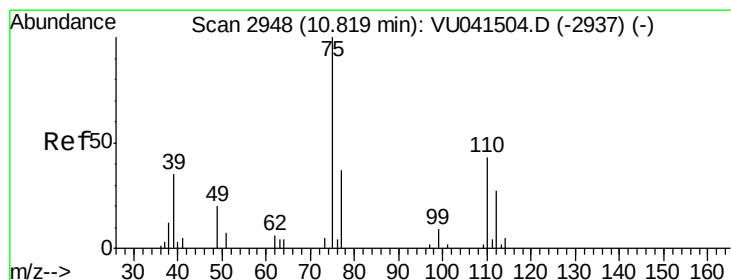
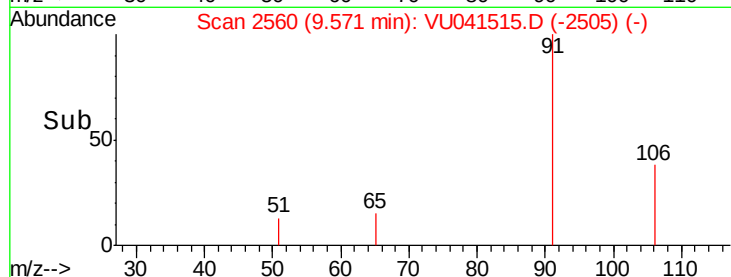
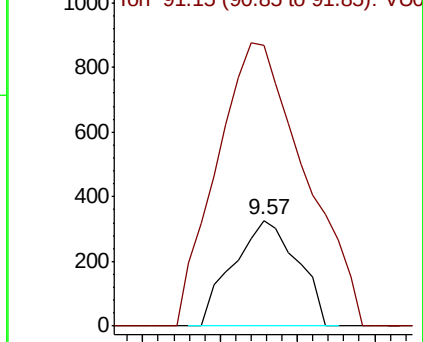
Ion Ratio Lower Upper

106 100

91 265.7 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041515.D (-2560) (-)



#59

1,2,3-Trichloropropane

Concen: 0.825 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041515.D

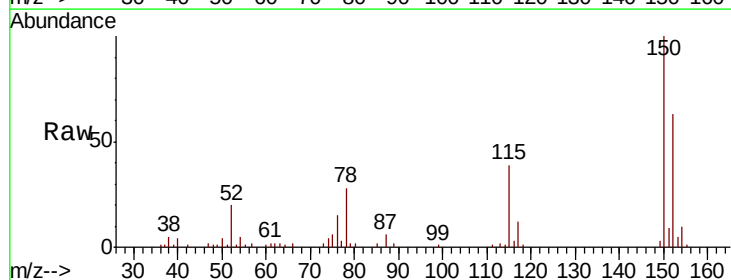
Acq: 09 Dec 2020 15:23

Tgt Ion: 75 Resp: 1862

Ion Ratio Lower Upper

75 100

77 53.0 26.3 39.5#



Abundance Ion 75.00 (74.70 to 75.70): VU041515.D (-3256) (-)

