

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039615.D
 Acq On : 21 Jul 2020 22:19
 Operator : SY/MD
 Sample : L3347-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	108600	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	101427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46353	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32034	6.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.20%
7) Chloroethane-d5	1.92	69	34920	6.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	127.00%
11) 1,1-Dichloroethene-d2	2.58	63	47996	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.65	46	118543	52.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.28%
24) Chloroform-d	5.09	84	63014	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	42819	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	129145	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	41634	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.91	98	117852	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	8.19	79	16886	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.64	63	86849	50.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.80%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	35269	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	44213	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.59	50	17152	2.974	ug/L #	79
8) Chloroethane	1.96	64	396	0.077	ug/L #	40
13) Acetone	2.65	43	11160	8.820	ug/L	94
15) Methyl Acetate	2.98	43	6598	2.134	ug/L #	56
16) Methylene chloride	3.07	84	4595	0.619	ug/L	97
21) 2-Butanone	4.73	43	3624	1.653	ug/L	97
25) Chloroform	5.11	83	7299	0.547	ug/L	93
33) Benzene	5.80	78	6221	0.255	ug/L	100
35) Methylcyclohexane	6.77	83	898	0.091	ug/L #	92
37) 1,2-Dichloropropane	6.70	63	4897	0.722	ug/L #	90
42) Toluene	7.98	91	20049	0.751	ug/L	92
47) Tetrachloroethene	8.56	164	506	0.110	ug/L	83
49) Dibromochloromethane	8.56	129	664	0.106	ug/L #	11
52) Ethylbenzene	9.57	91	6659	0.219	ug/L	98
53) m,p-Xylene	9.69	106	3462	0.306	ug/L	97
54) o-Xylene	10.10	106	4918	0.445	ug/L	89
59) 1,2,3-Trichloropropane	11.81	75	7381	1.483	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

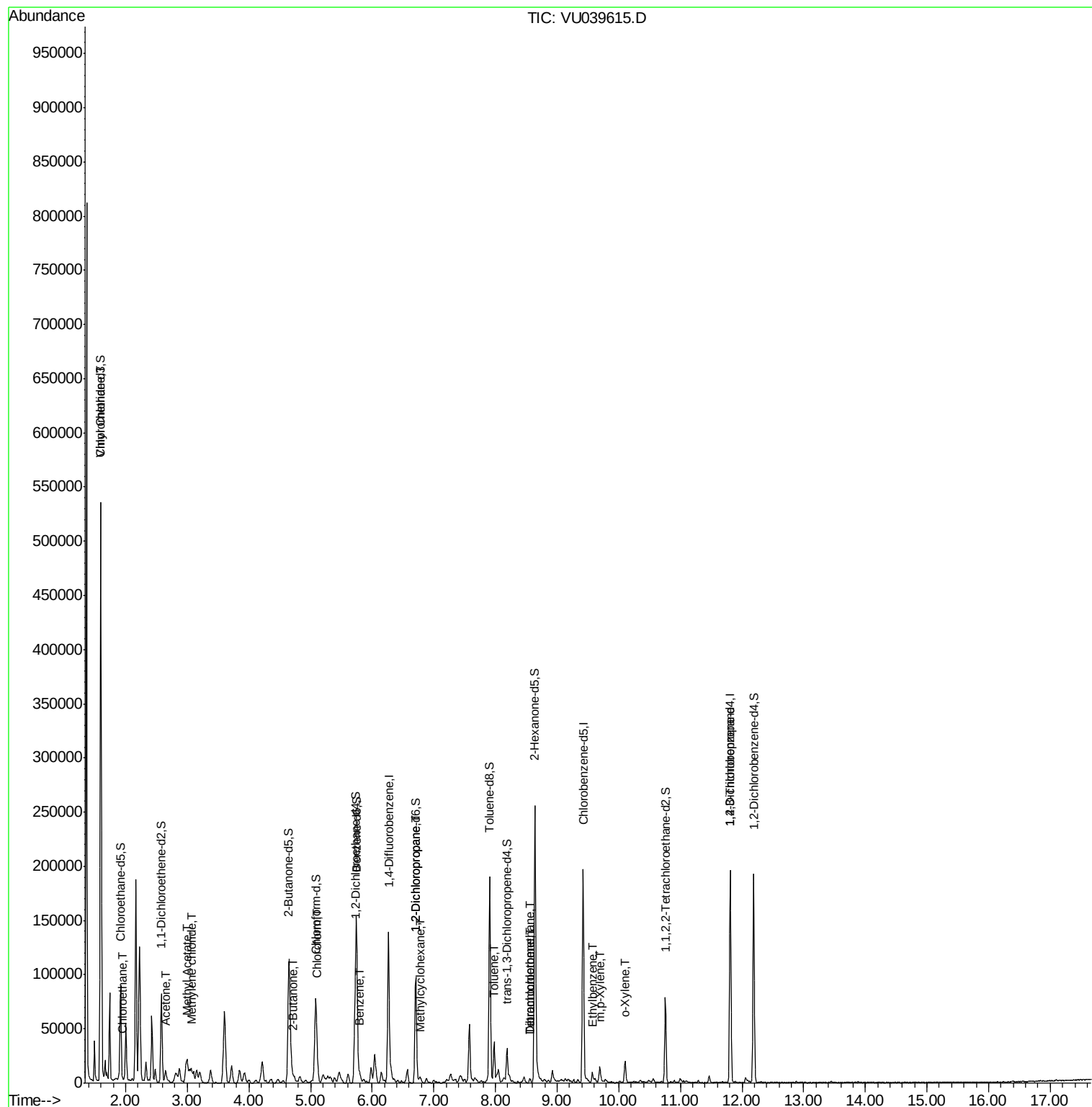
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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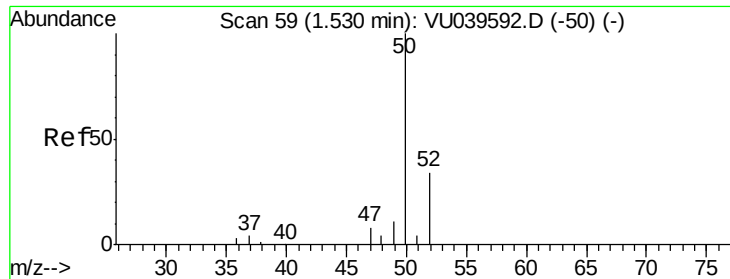
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.974 ug/L

RT: 1.59 min Scan# 79

Delta R.T. 0.06 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Instrument :

MSVOA_U

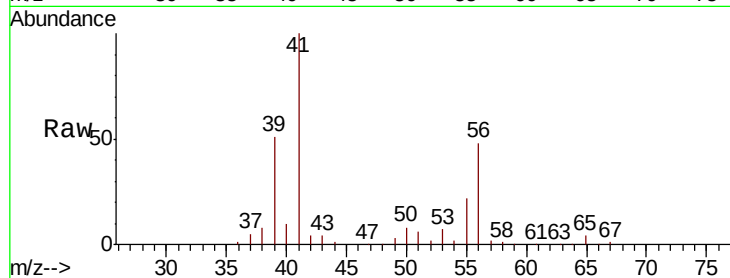
ClientSampleId :

Tot Ion: 50 Resp: 17152

Ion Ratio Lower Upper

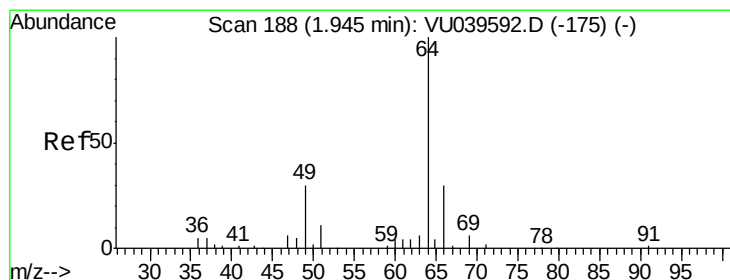
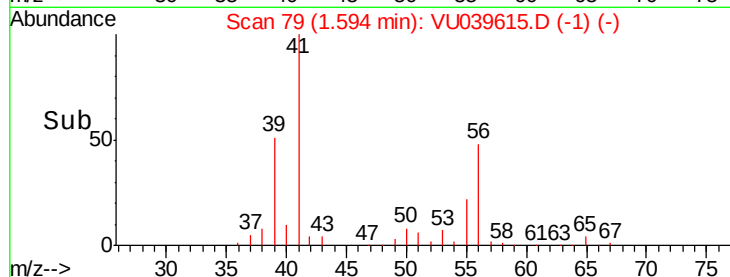
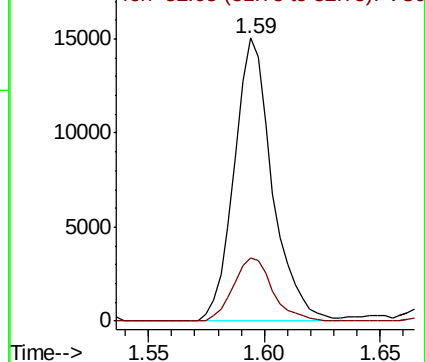
50 100

52 22.3 23.9 44.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.077 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU039615.D

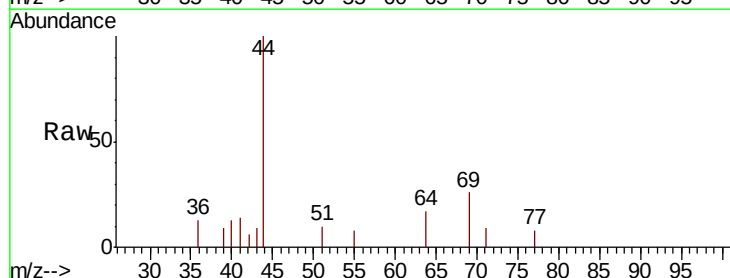
Acq: 21 Jul 2020 22:19

Tgt Ion: 64 Resp: 396

Ion Ratio Lower Upper

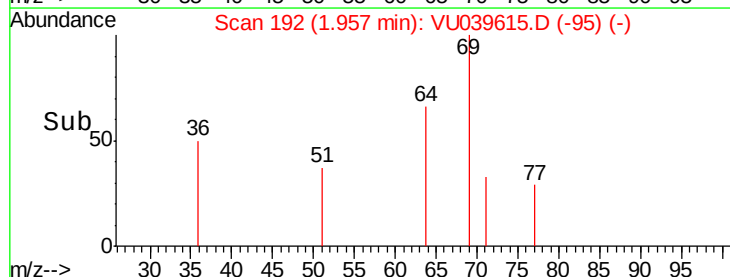
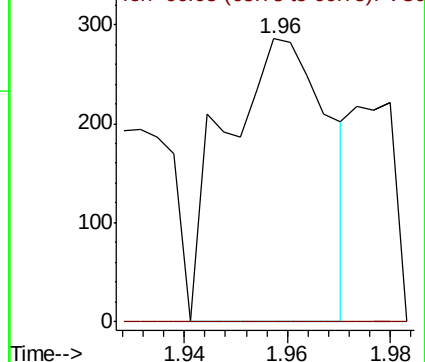
64 100

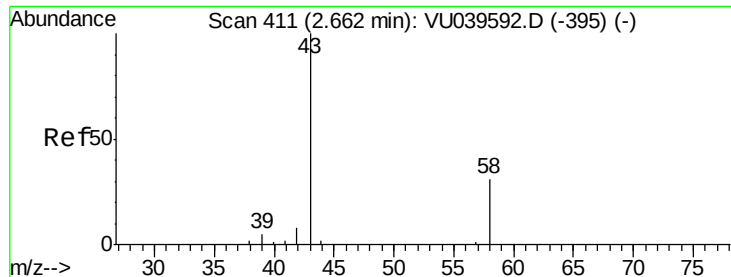
66 0.0 24.0 44.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 8.820 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Instrument :

MSVOA_U

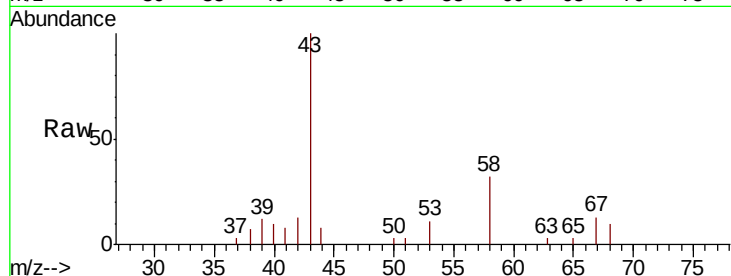
ClientSampleId :

Tot Ion: 43 Resp: 11160

Ion Ratio Lower Upper

43 100

58 32.5 0.0 59.0

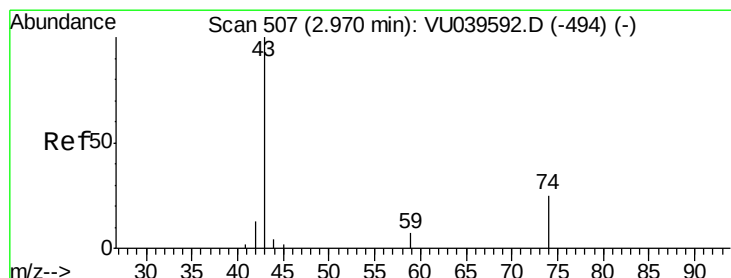
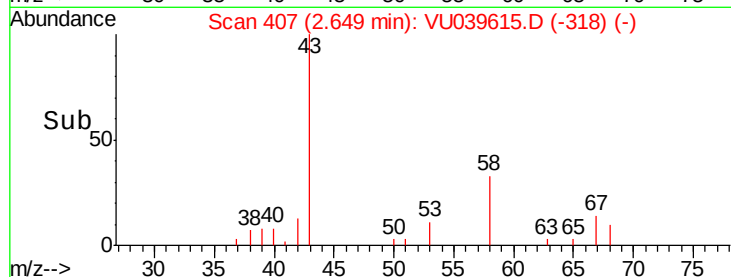


Abundance Ion 43.05 (42.75 to 43.75): VU039615.D (-407) (-)

Ion 58.05 (57.75 to 58.75): VU039615.D (-407) (-)

2.65

Time-->



#15

Methyl Acetate

Concen: 2.134 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU039615.D

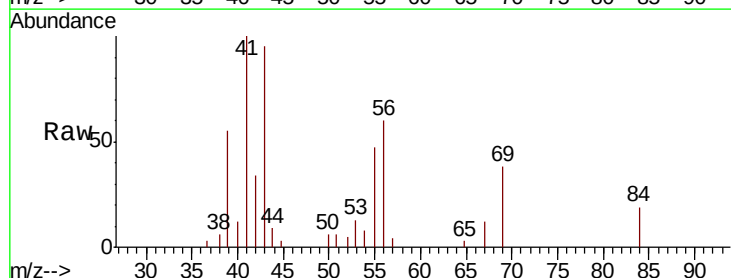
Acq: 21 Jul 2020 22:19

Tgt Ion: 43 Resp: 6598

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#

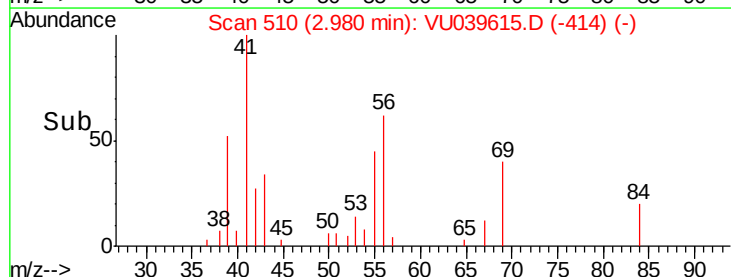


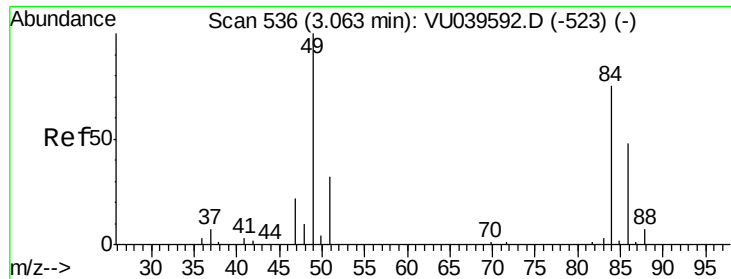
Abundance Ion 43.05 (42.75 to 43.75): VU039615.D (-510) (-)

Ion 74.05 (73.75 to 74.75): VU039615.D (-510) (-)

2.98

Time-->

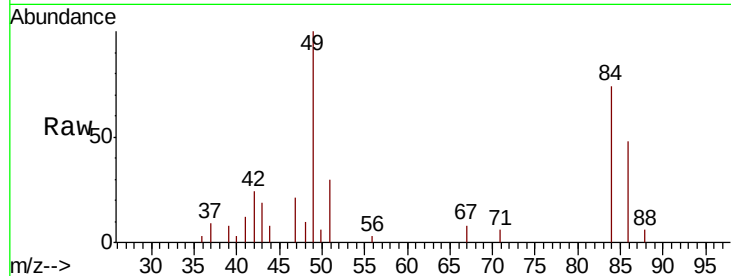




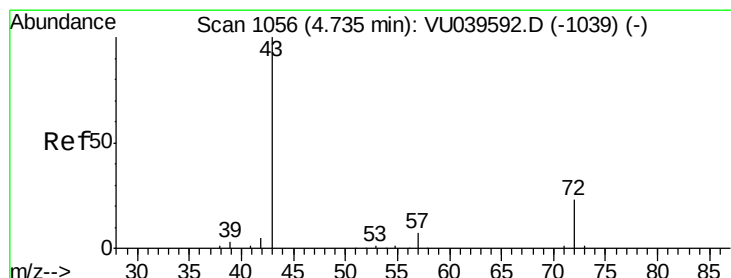
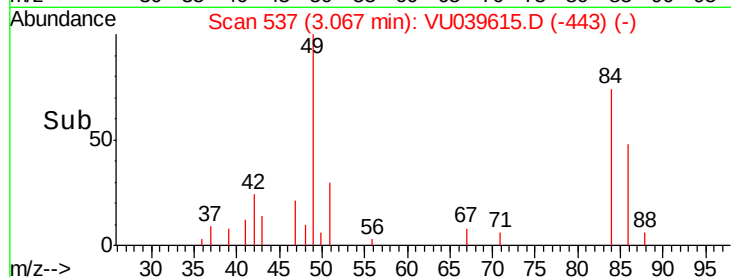
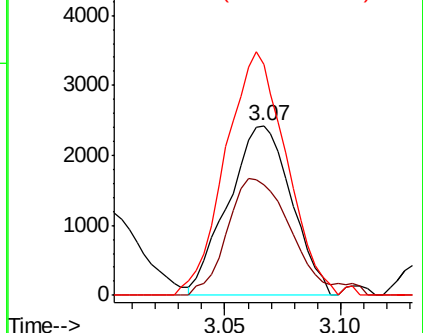
#16
Methylene chloride
Concen: 0.619 ug/L
RT: 3.07 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 4595
Ion Ratio Lower Upper
84 100
86 65.1 43.8 81.4
49 135.8 92.7 172.3

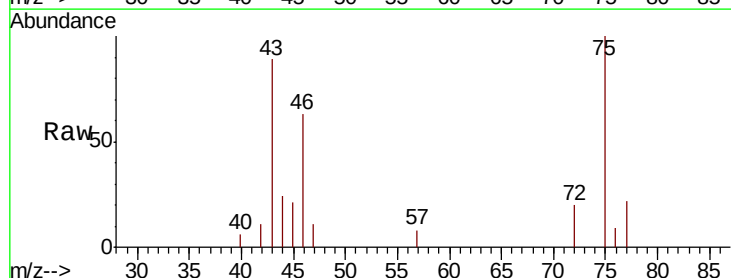


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

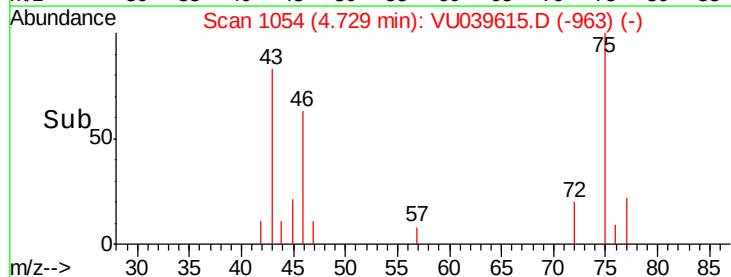
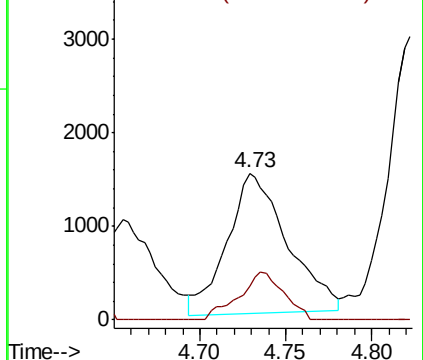


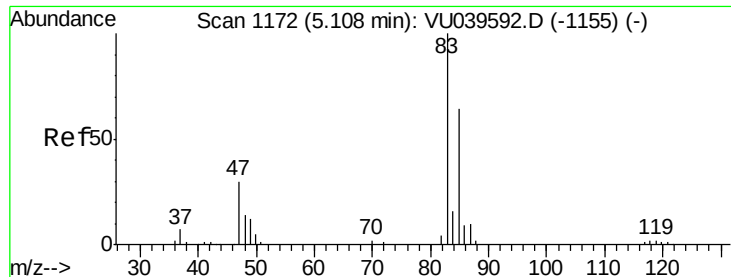
#21
2-Butanone
Concen: 1.653 ug/L
RT: 4.73 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

Tgt Ion: 43 Resp: 3624
Ion Ratio Lower Upper
43 100
72 25.6 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0

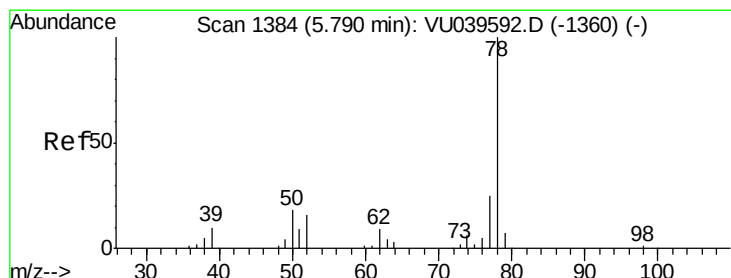
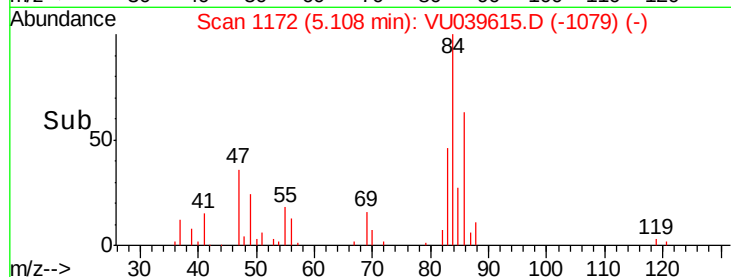
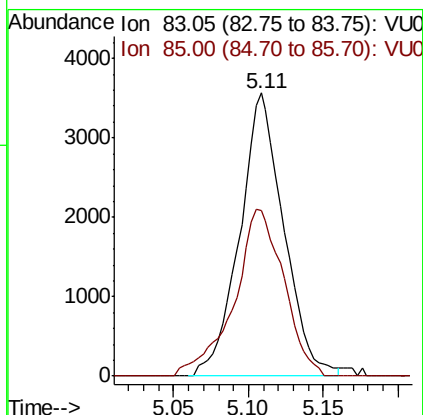
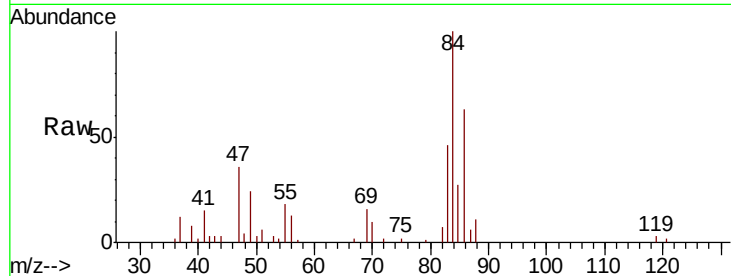




#25
Chloroform
Concen: 0.547 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

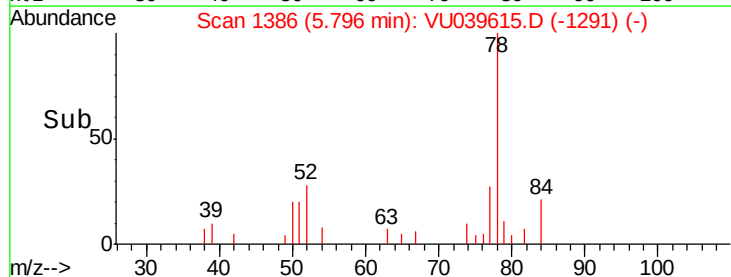
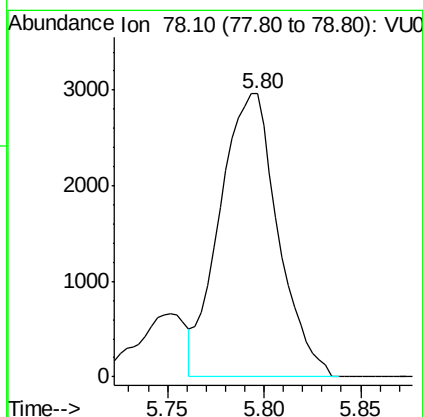
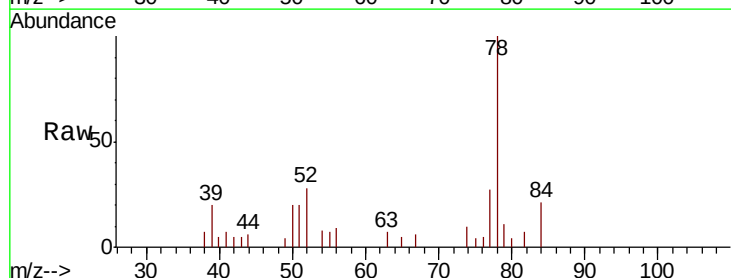
Instrument :
MSVOA_U
ClientSampled :

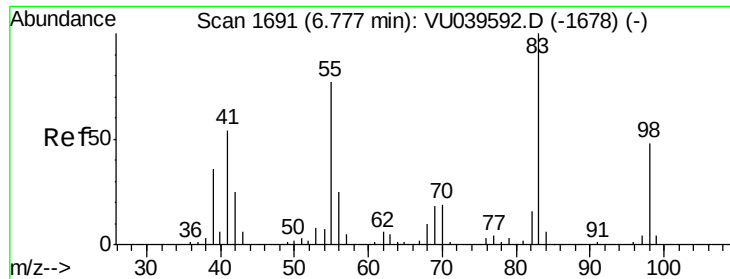
Tot Ion: 83 Resp: 7299
Ion Ratio Lower Upper
83 100
85 58.3 44.4 82.5



#33
Benzene
Concen: 0.255 ug/L
RT: 5.80 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

Tgt Ion: 78 Resp: 6221

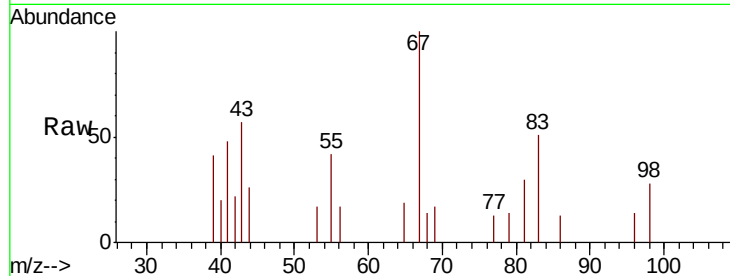




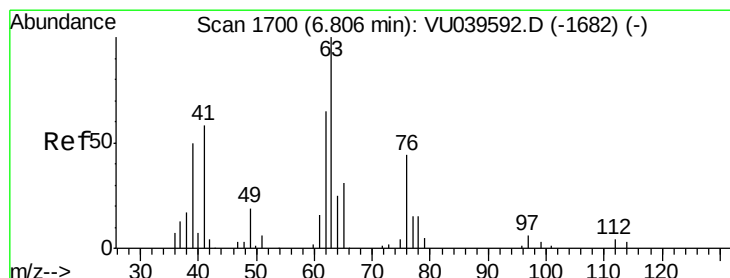
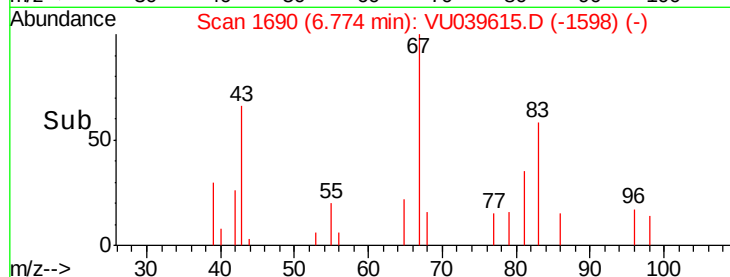
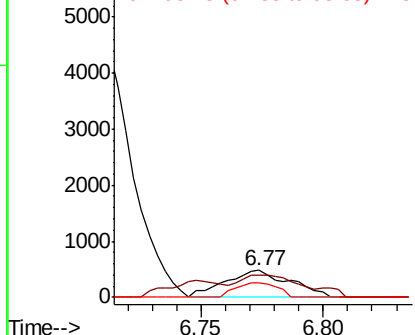
#35
Methylvlcyclohexane
Concen: 0.091 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 898
Ion Ratio Lower Upper
83 100
55 81.5 63.0 94.6
98 33.9 35.3 52.9#

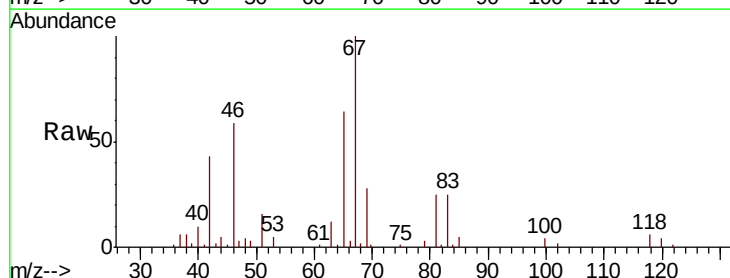


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

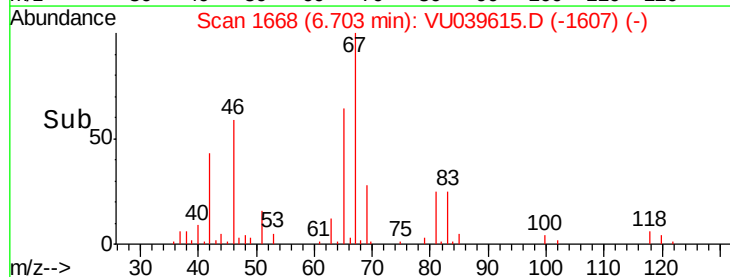
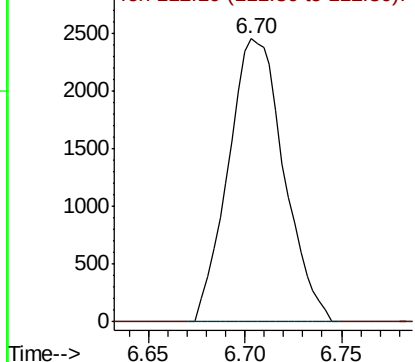


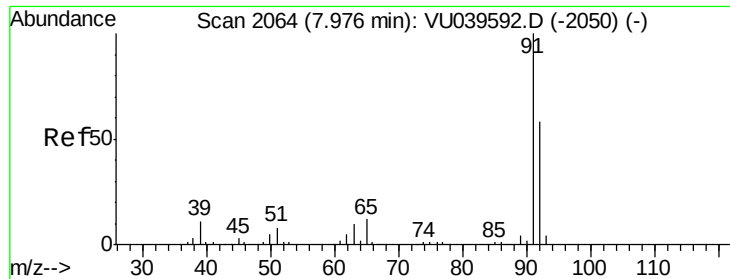
#37
1,2-Dichloropropane
Concen: 0.722 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039615.D
Acq: 21 Jul 2020 22:19

Tgt Ion: 63 Resp: 4897
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



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





#42

Toluene

Concen: 0.751 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

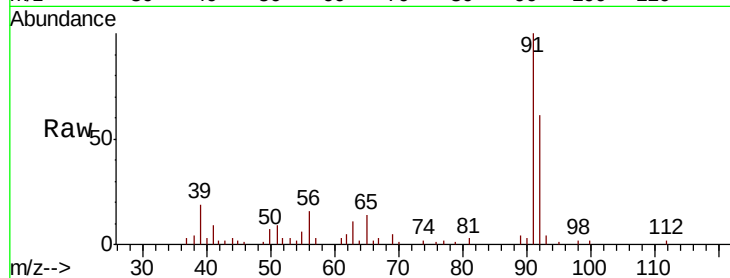
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 20049

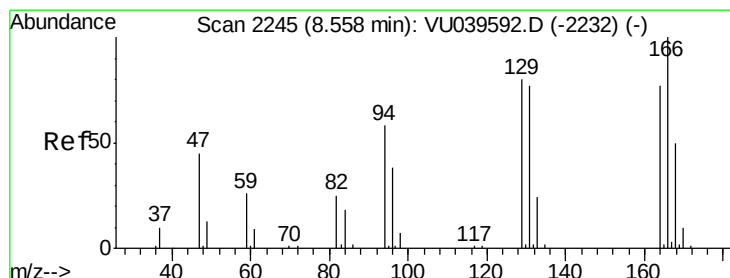
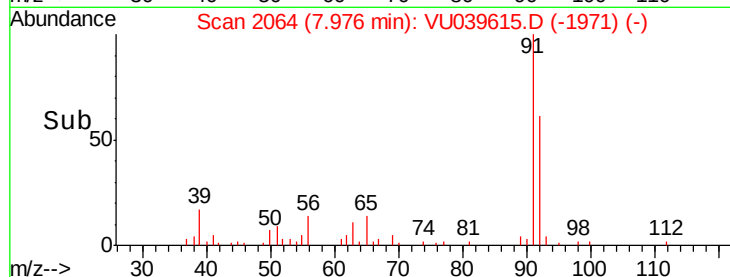
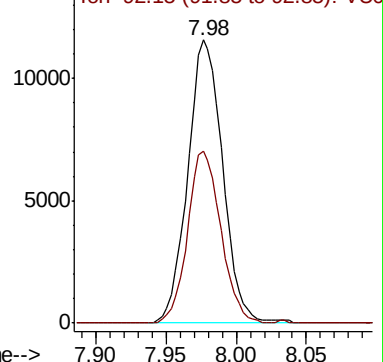
Ion Ratio Lower Upper

91 100

92 60.8 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039615.D (-1971) (-)



#47

Tetrachloroethene

Concen: 0.110 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Tgt Ion:164 Resp: 506

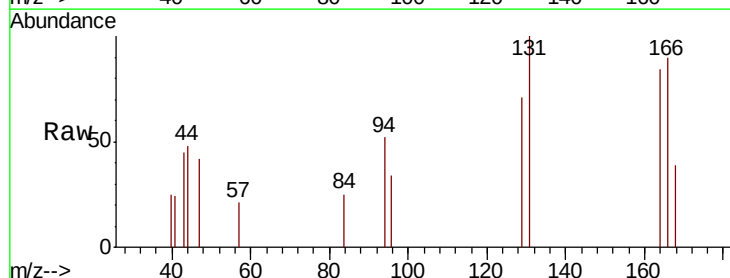
Ion Ratio Lower Upper

164 100

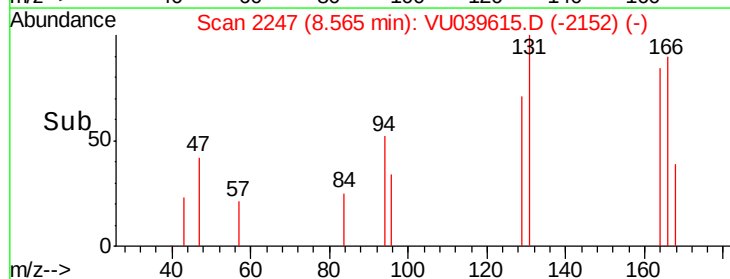
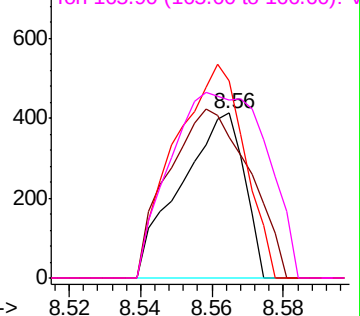
129 85.2 67.9 126.1

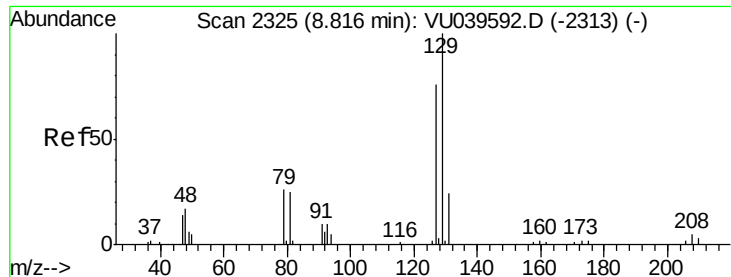
131 119.6 64.7 120.1

166 107.7 85.1 158.1



Abundance Ion 163.90 (163.60 to 164.60): VU039615.D (-2152) (-)





#49

Dibromochloromethane

Concen: 0.106 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Instrument :

MSVOA_U

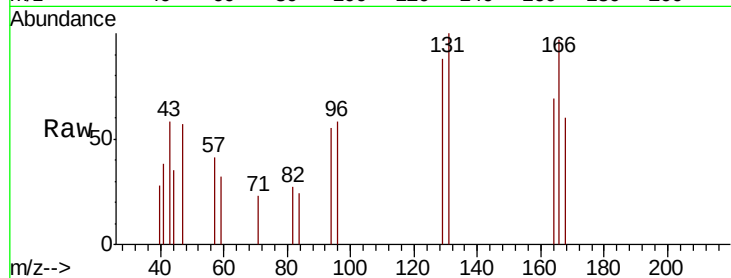
ClientSampleId :

Tot Ion:129 Resp: 664

Ion Ratio Lower Upper

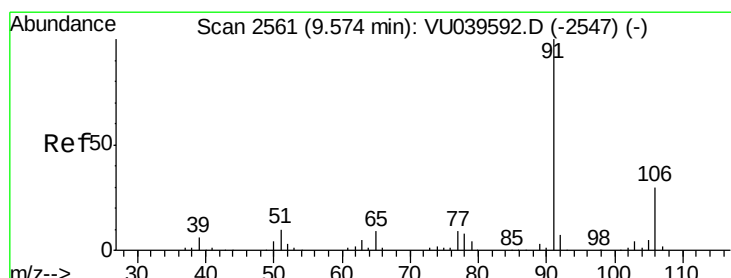
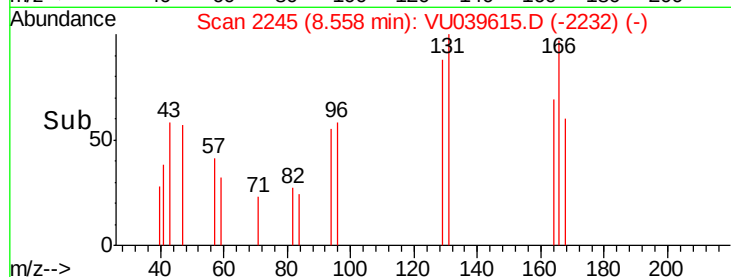
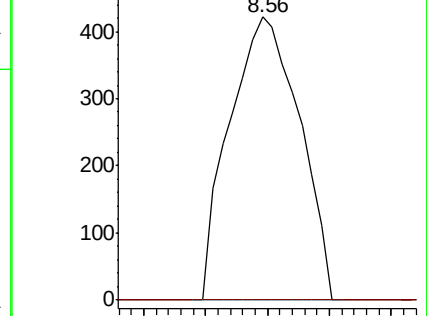
129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 0.219 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039615.D

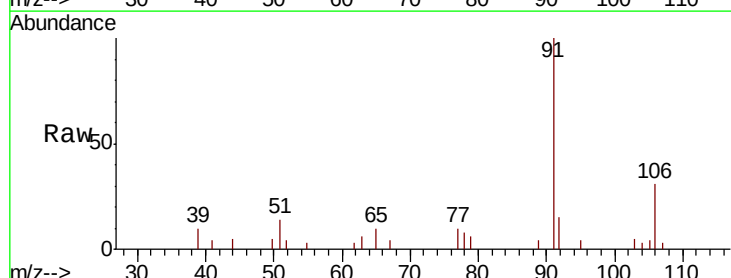
Acq: 21 Jul 2020 22:19

Tgt Ion: 91 Resp: 6659

Ion Ratio Lower Upper

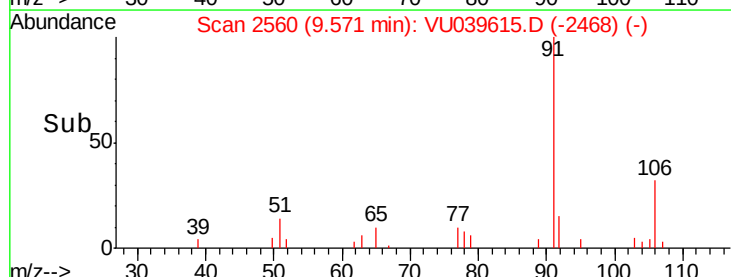
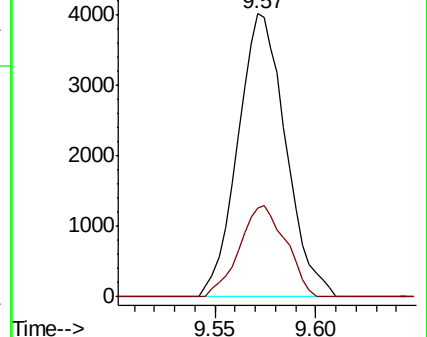
91 100

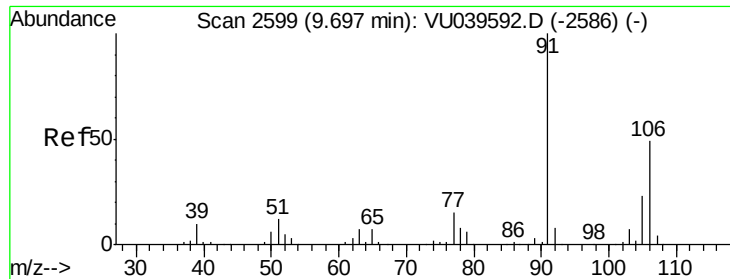
106 31.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.306 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Instrument :

MSVOA_U

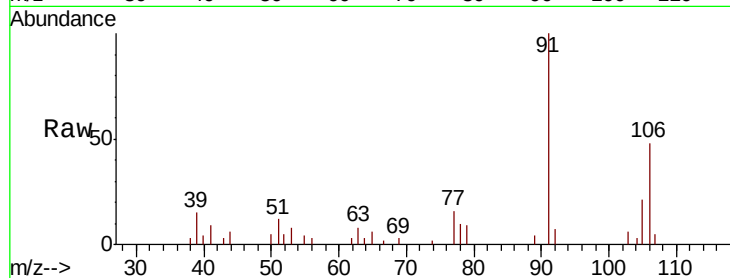
ClientSampled :

Tot Ion:106 Resp: 3462

Ion Ratio Lower Upper

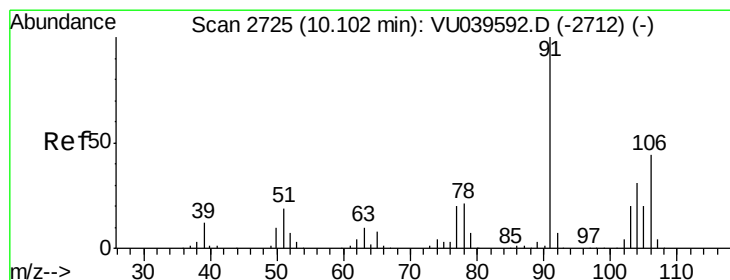
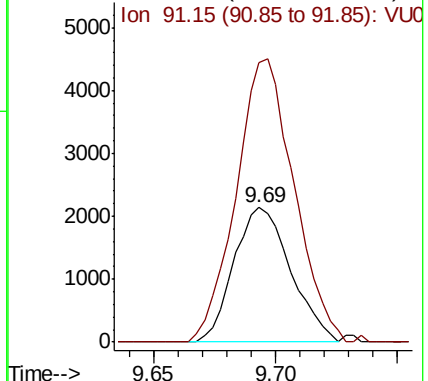
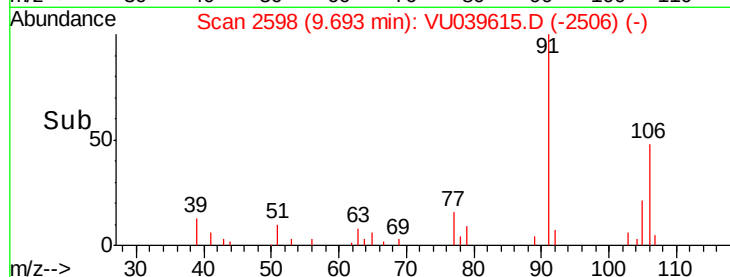
106 100

91 207.8 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.445 ug/L

RT: 10.10 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039615.D

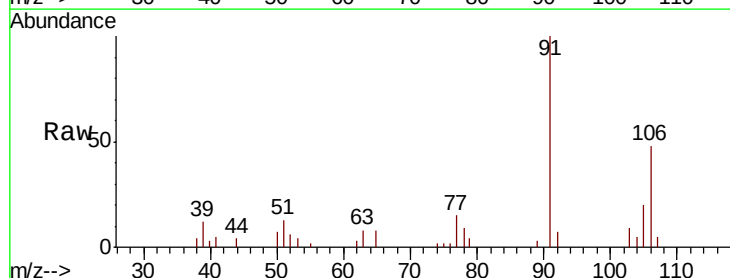
Acq: 21 Jul 2020 22:19

Tgt Ion:106 Resp: 4918

Ion Ratio Lower Upper

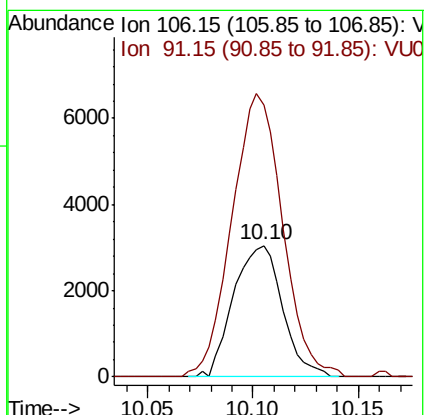
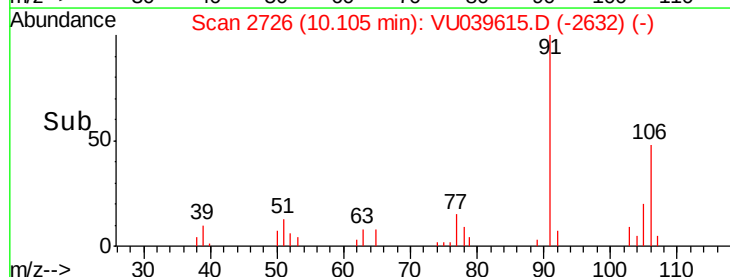
106 100

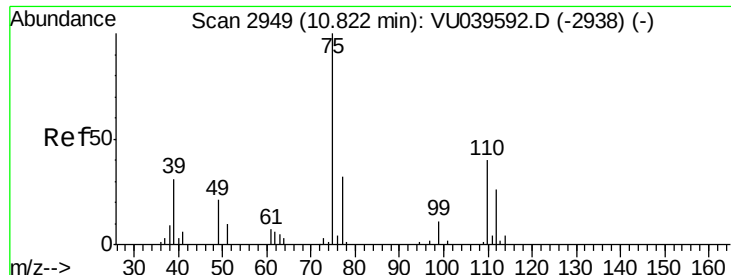
91 207.5 157.4 292.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.483 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039615.D

Acq: 21 Jul 2020 22:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7381

Ion Ratio Lower Upper

75 100

77 36.4 25.5 38.3

