

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032354.D
 Acq On : 29 May 2019 12:26
 Operator : JC/SP
 Sample : K3045-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C47

Quant Time: May 30 05:38:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 30 05:34:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	406019	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	408564	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	210890	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	132459	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.68	69	113009	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.27	63	190983	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.19	46	326108	50.70	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.40%
24) Chloroform-d	4.64	84	244490	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.31	65	122091	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
32) Benzene-d6	5.33	84	531603	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	157381	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.56	98	510452	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	57238	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.31	63	269131	49.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	128593	3.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	68.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	209321	3.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	72.00%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	4314	0.248 ug/L	98
8) Chloroethane	1.46	64	85690	7.681 ug/L #	49
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2631	0.183 ug/L #	34
13) Acetone	2.30	43	589163	295.654 ug/L	52
14) Carbon disulfide	2.47	76	7265	0.162 ug/L #	92
15) Methyl Acetate	2.70	43	2405329	411.360 ug/L #	41
16) Methylene chloride	2.70	84	4255	0.221 ug/L #	1
21) 2-Butanone	4.28	43	18880	6.280 ug/L	95
27) 1,2-Dichloroethane	5.39	62	9007	0.598 ug/L #	87
30) Cyclohexane	5.07	56	1928356	97.270 ug/L #	15
33) Benzene	5.38	78	1091784	19.755 ug/L	100
35) Methylcyclohexane	6.39	83	118805	5.438 ug/L #	36
38) Bromodichloromethane	6.73	83	19230	1.112 ug/L #	1
40) 4-Methyl-2-pentanone	7.52	43	20041	2.980 ug/L #	69
42) Toluene	7.64	91	8308	0.141 ug/L	94
44) trans-1,3-Dichloropropene	7.85	75	1979	0.133 ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	221834	21.589 ug/L #	20

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QLast Update : Thu May 30 05:34:28 2019
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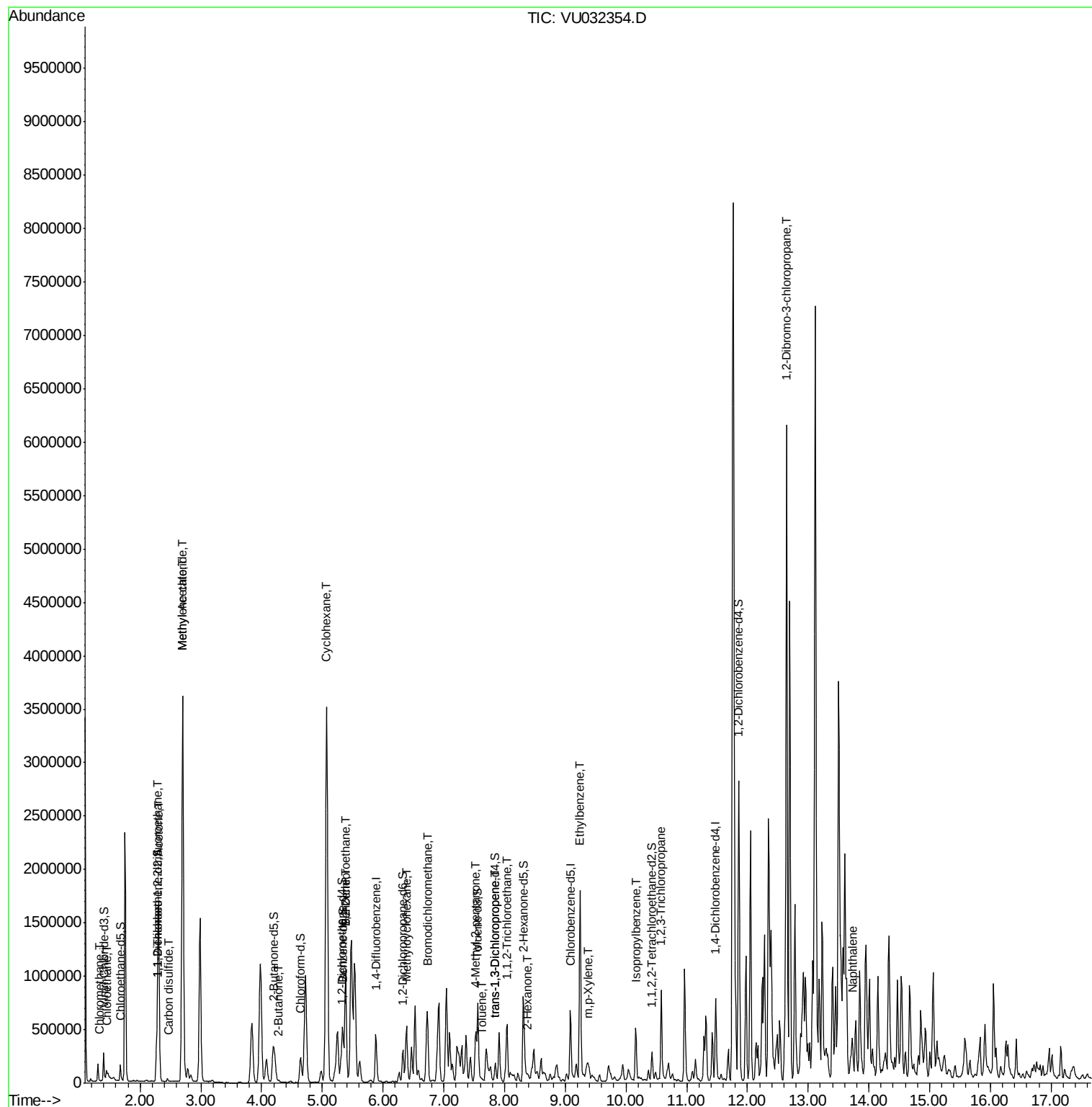
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.37	43	17147	3.324	ug/L #	36
52) Ethylbenzene	9.24	91	1290010	21.824	ug/L	98
53) m,p-Xylene	9.38	106	26616	1.211	ug/L	86
56) Isopropylbenzene	10.16	105	334683	6.027	ug/L	99
59) 1,2,3-Trichloropropane	10.58	75	4101	0.473	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.64	75	23372	11.452	ug/L #	1
69) Naphthalene	13.73	128	48000	1.877	ug/L #	45

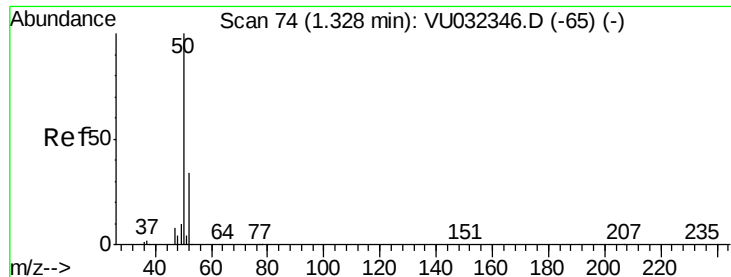
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.248 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

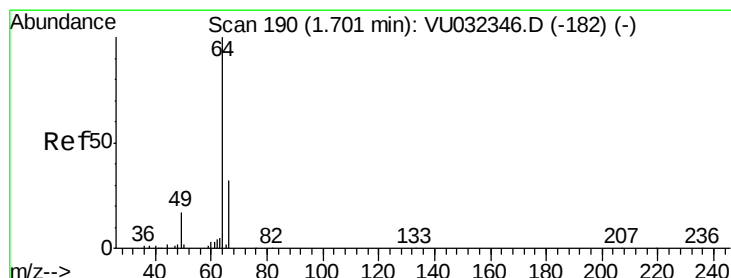
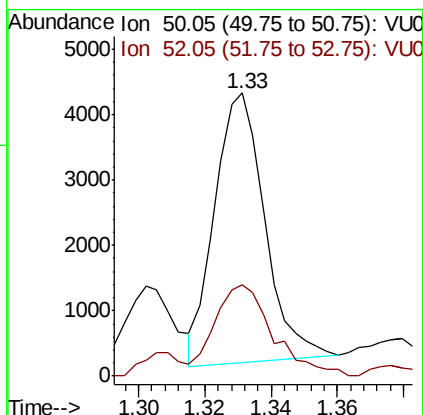
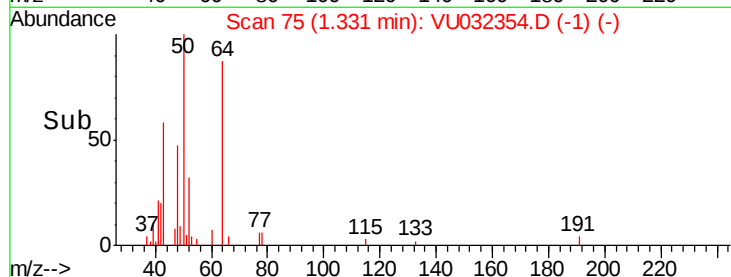
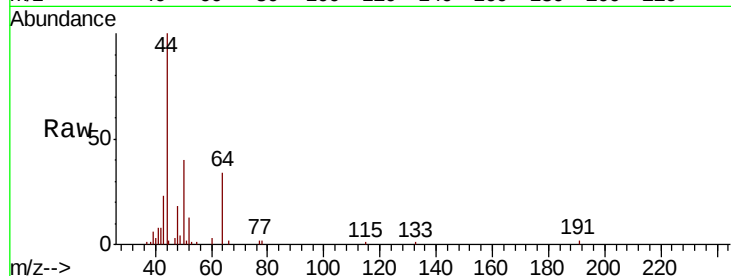
C0C47

Tgt Ion: 50 Resp: 4314

Ion Ratio Lower Upper

50 100

52 32.2 23.3 43.3



#8

Chloroethane

Concen: 7.681 ug/L

RT: 1.46 min Scan# 114

Delta R.T. -0.24 min

Lab File: VU032354.D

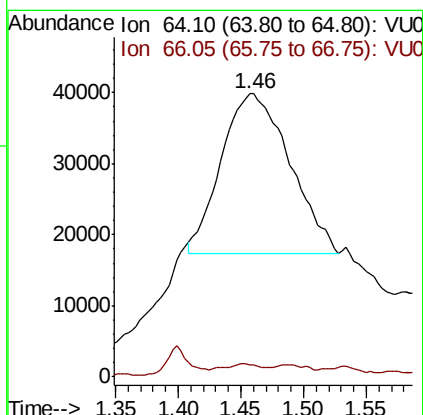
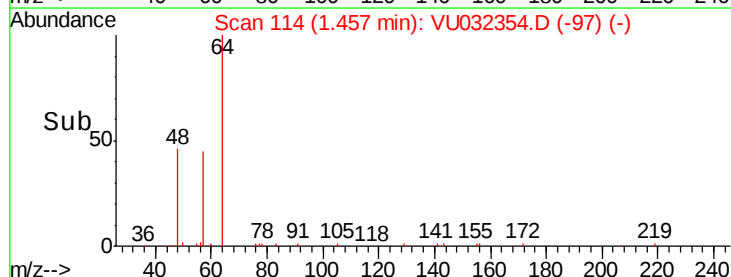
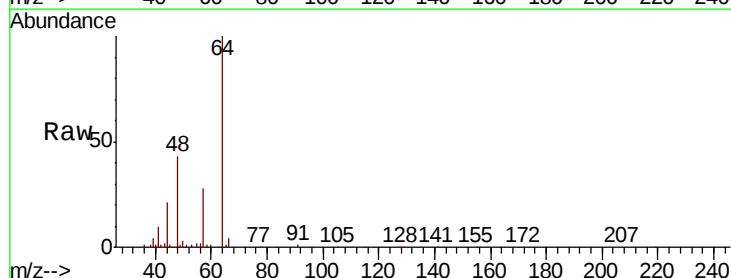
Acq: 29 May 2019 12:26

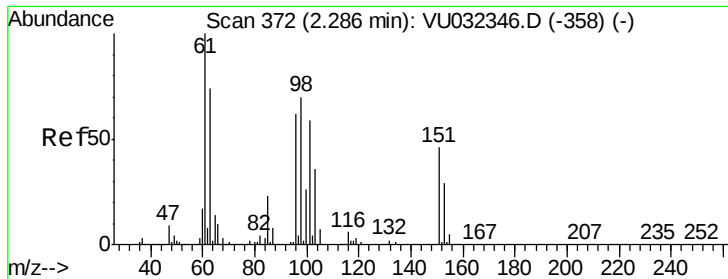
Tgt Ion: 64 Resp: 85690

Ion Ratio Lower Upper

64 100

66 4.4 23.1 42.9#





#10

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

Concen: 0.183 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

C0C47

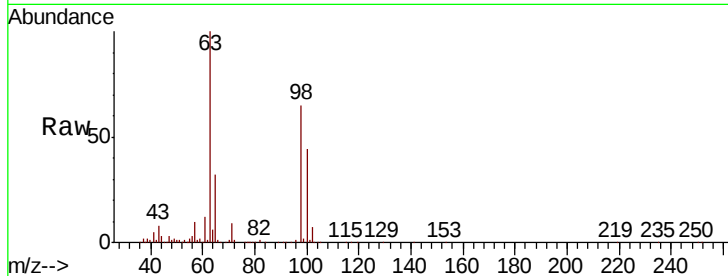
Tgt Ion:101 Resp: 2631

Ion Ratio Lower Upper

101 100

85 56.9 34.2 51.4#

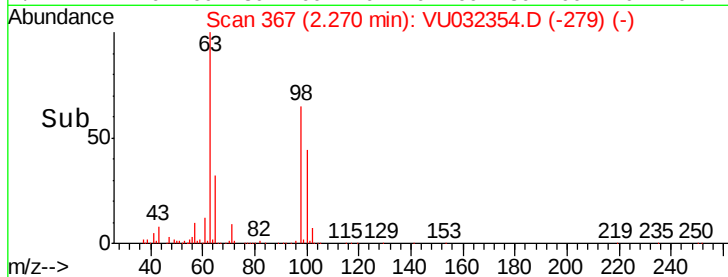
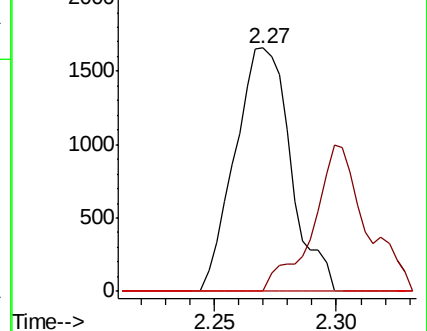
151 1.6 64.4 96.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 295.654 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.05 min

Lab File: VU032354.D

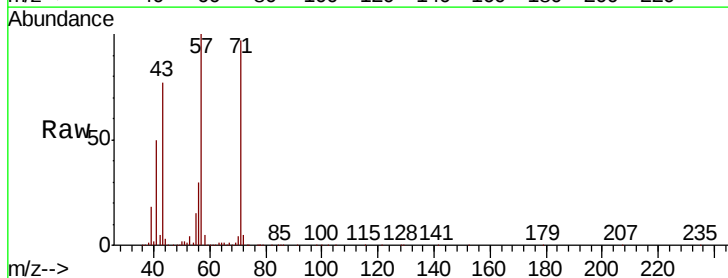
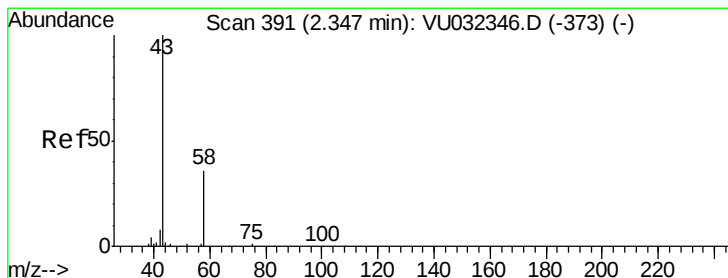
Acq: 29 May 2019 12:26

Tgt Ion: 43 Resp: 589163

Ion Ratio Lower Upper

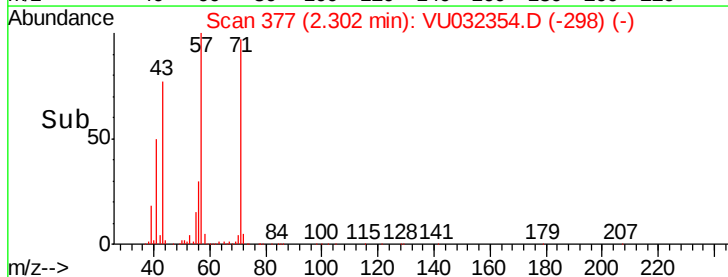
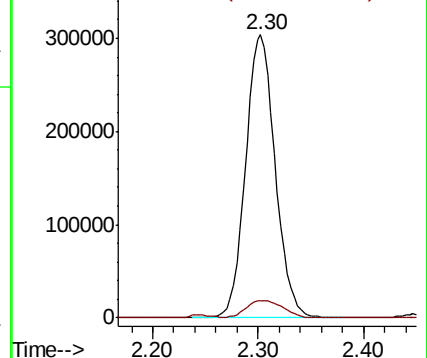
43 100

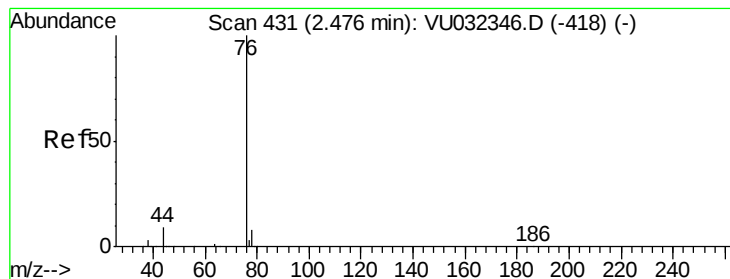
58 7.8 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.162 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

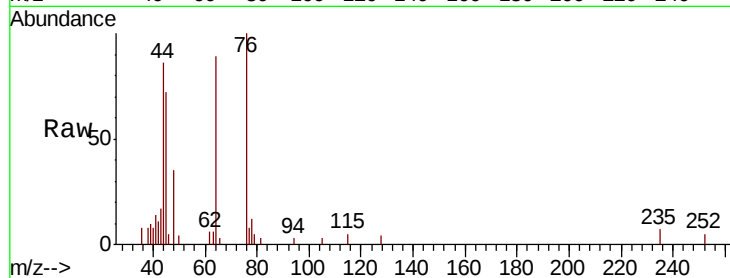
C0C47

Tgt Ion: 76 Resp: 7265

Ion Ratio Lower Upper

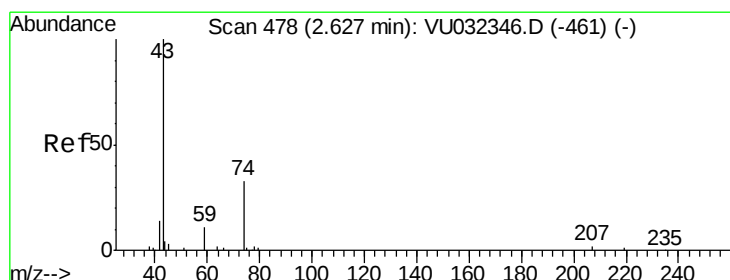
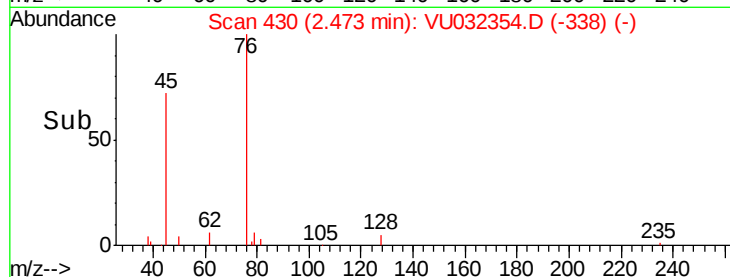
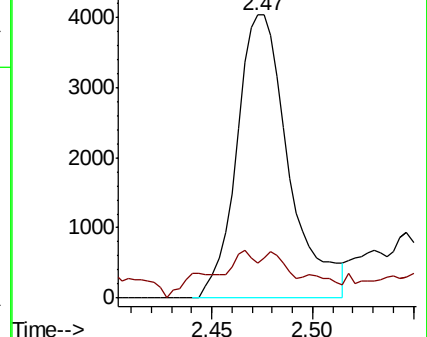
76 100

78 12.2 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU032354.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU032354.D (-418) (-)



#15

Methyl Acetate

Concen: 411.360 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.07 min

Lab File: VU032354.D

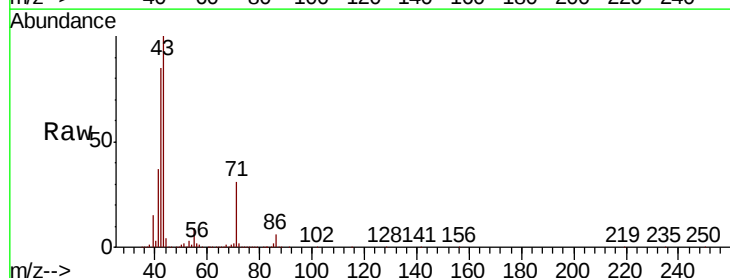
Acq: 29 May 2019 12:26

Tgt Ion: 43 Resp: 2405329

Ion Ratio Lower Upper

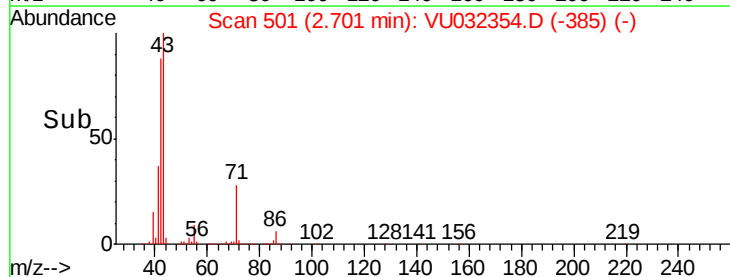
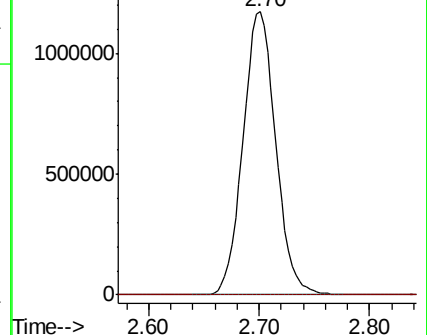
43 100

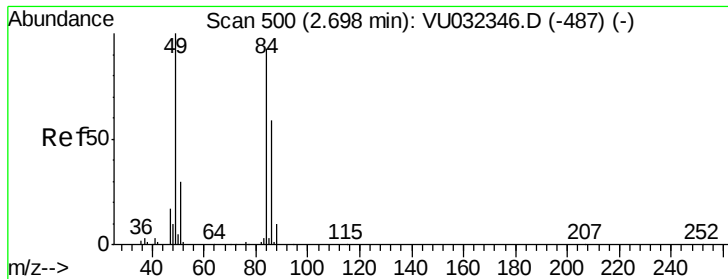
74 0.0 27.3 40.9#



Abundance Ion 43.05 (42.75 to 43.75): VU032354.D (-385) (-)

Ion 74.05 (73.75 to 74.75): VU032354.D (-385) (-)

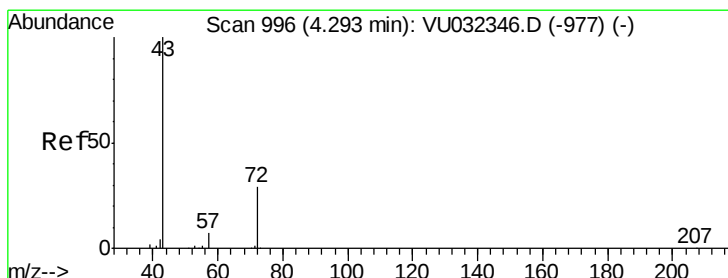
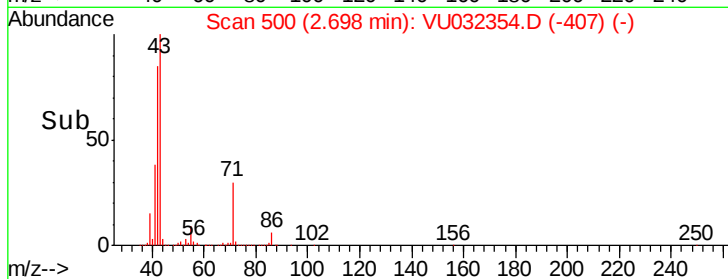
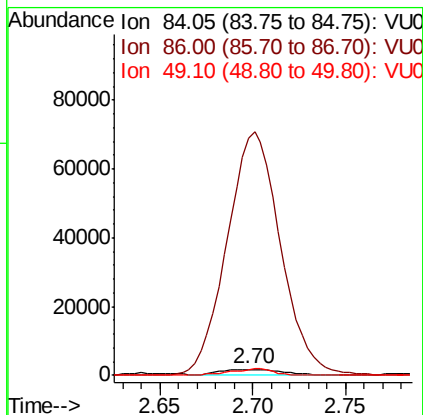
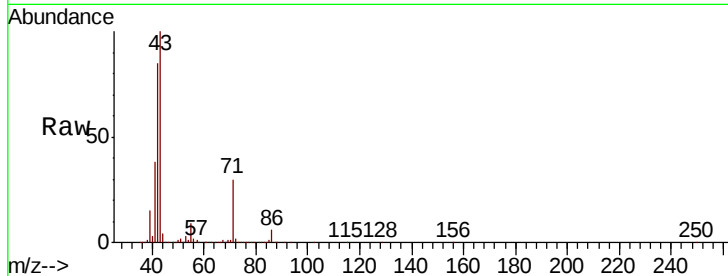




#16
Methylene chloride
Concen: 0.221 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU032354.D
Acq: 29 May 2019 12:26

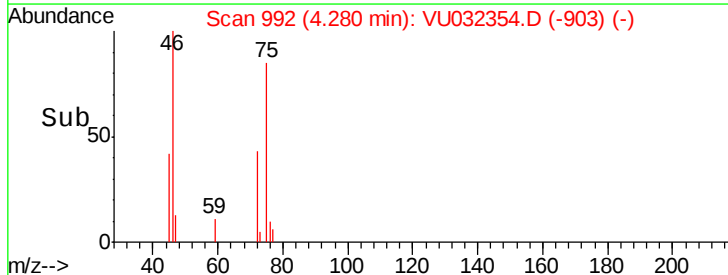
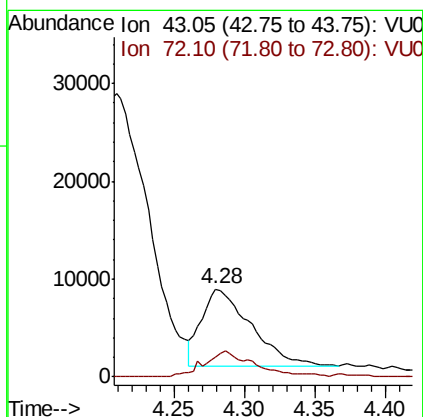
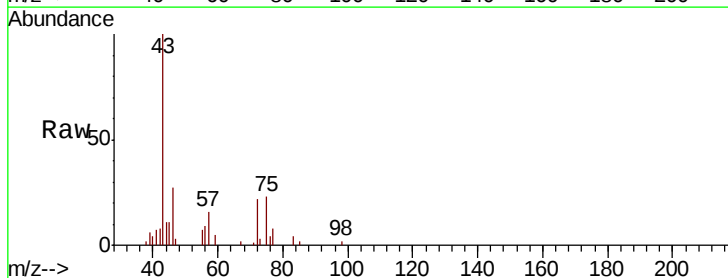
Instrument :
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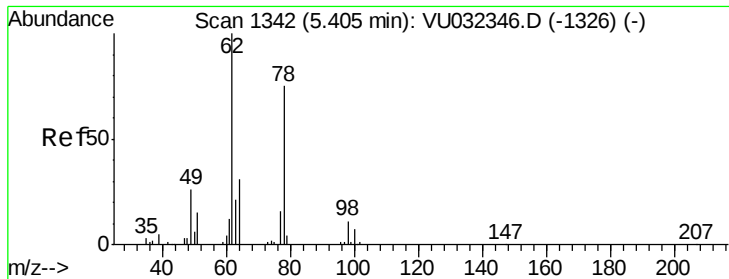
Tgt Ion: 84 Resp: 4255
Ion Ratio Lower Upper
84 100
86 3994.9 43.6 81.0#
49 93.0 71.1 132.1



#21
2-Butanone
Concen: 6.280 ug/L
RT: 4.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VU032354.D
Acq: 29 May 2019 12:26

Tgt Ion: 43 Resp: 18880
Ion Ratio Lower Upper
43 100
72 33.3 15.2 45.6

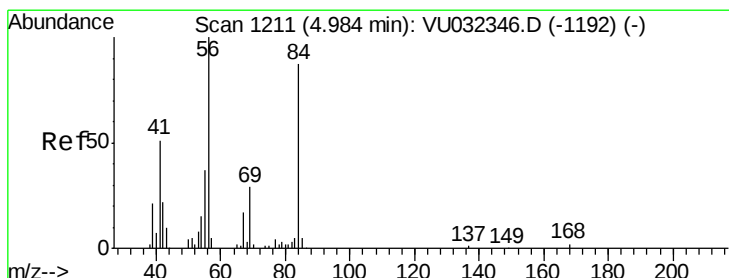
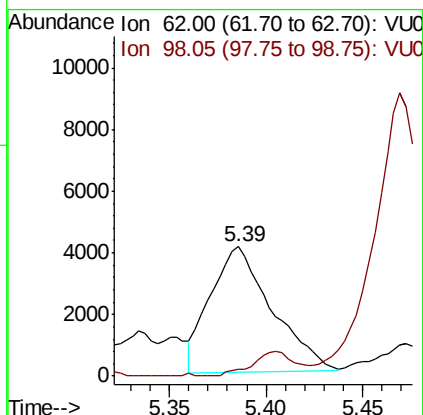
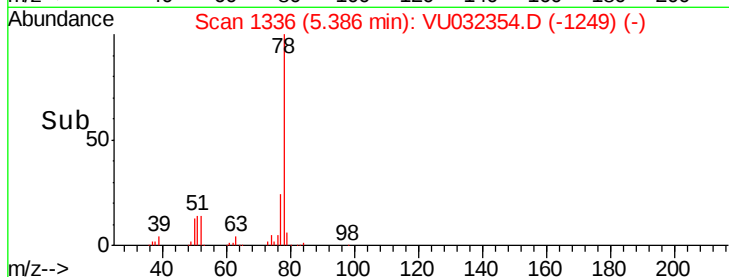
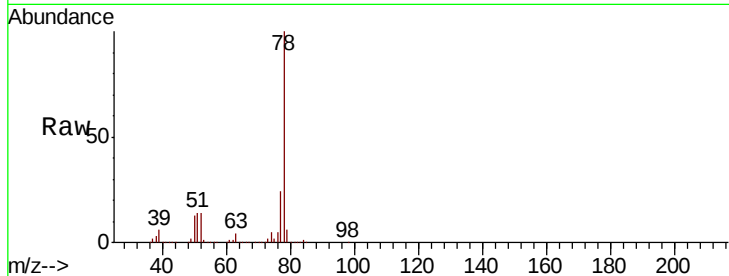




#27
 1,2-Dichloroethane
 Concen: 0.598 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

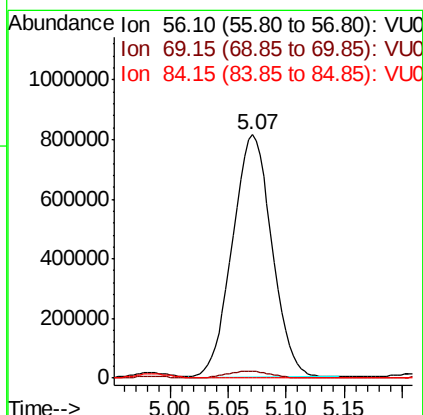
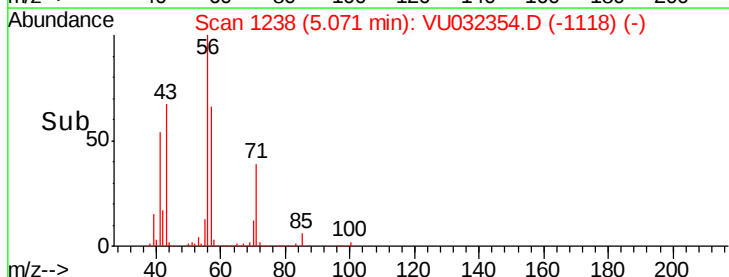
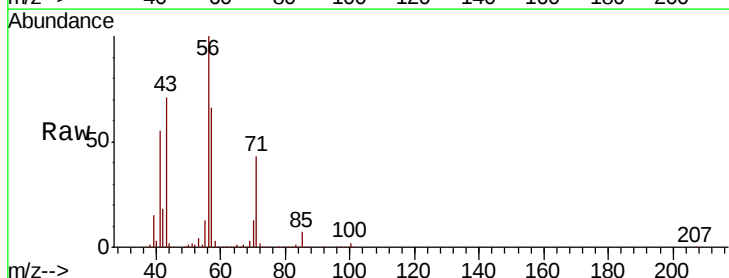
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 ClientSampled :
 C0C47

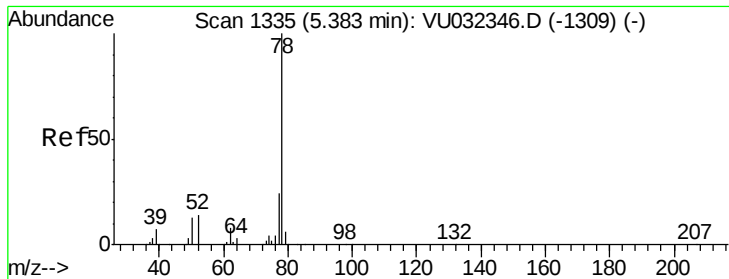
Tgt Ion: 62 Resp: 9007
 Ion Ratio Lower Upper
 62 100
 98 5.3 8.2 12.2#



#30
 Cyclohexane
 Concen: 97.270 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. 0.09 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

Tgt Ion: 56 Resp: 1928356
 Ion Ratio Lower Upper
 56 100
 69 3.1 26.6 39.8#
 84 0.3 75.0 112.6#





#33

Benzene

Concen: 19.755 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

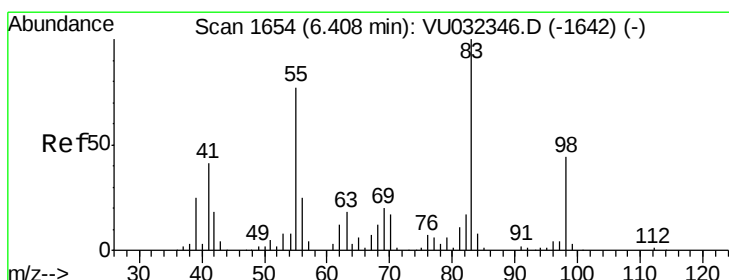
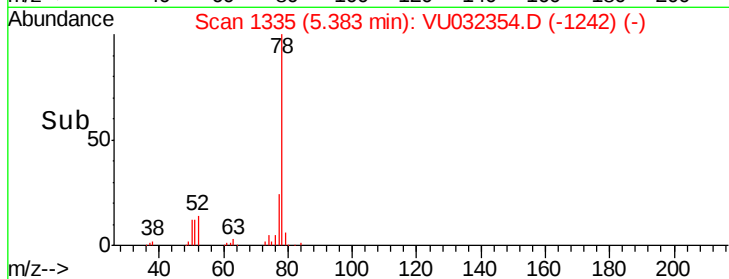
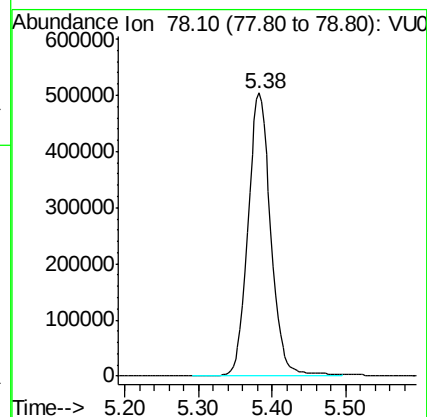
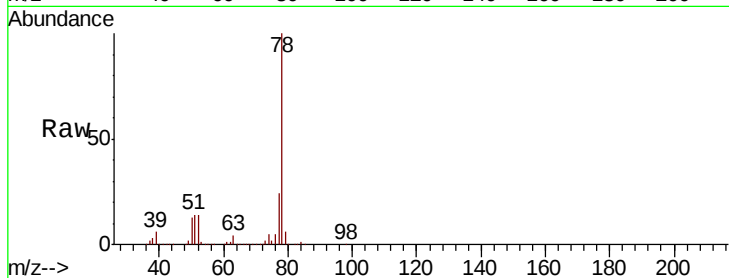
Instrument :

MSVOA_U

ClientSampleId :

C0C47

Tgt Ion: 78 Resp: 1091784



#35

Methylcyclohexane

Concen: 5.438 ug/L

RT: 6.39 min Scan# 1647

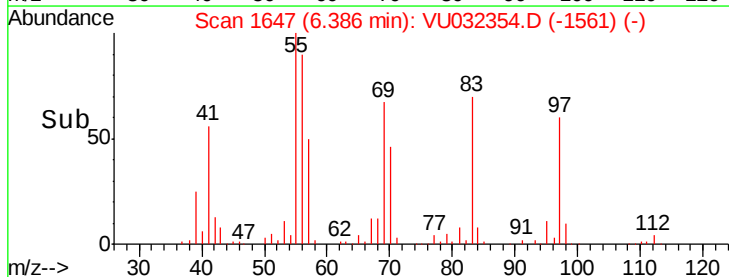
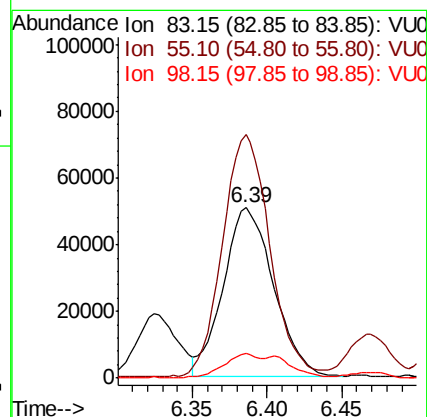
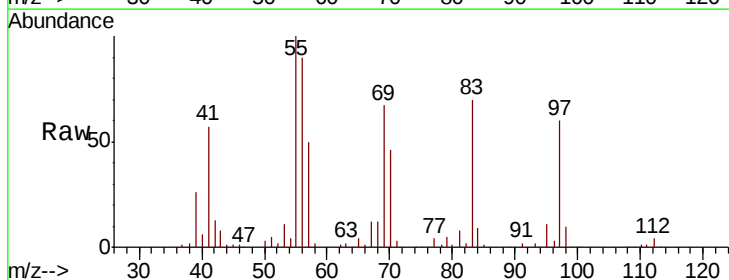
Delta R.T. -0.02 min

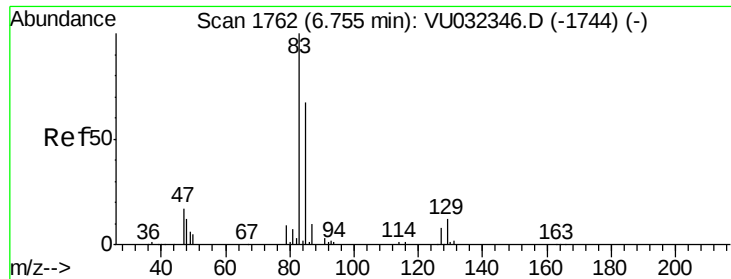
Lab File: VU032354.D

Acq: 29 May 2019 12:26

Tgt Ion: 83 Resp: 118805

Ion	Ratio	Lower	Upper
83	100		
55	134.0	59.7	89.5#
98	11.1	37.5	56.3#





#38

Bromodichloromethane

Concen: 1.112 ug/L

RT: 6.73 min Scan# 1753

Delta R.T. -0.03 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

C0C47

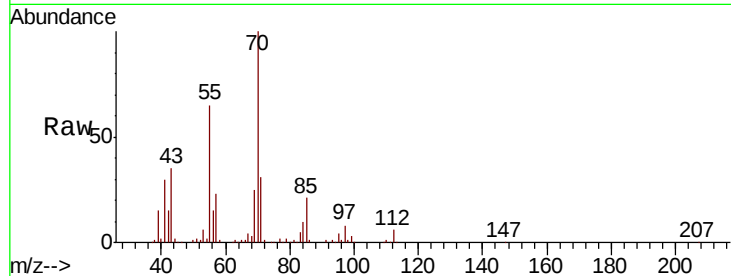
Tgt Ion: 83 Resp: 19230

Ion Ratio Lower Upper

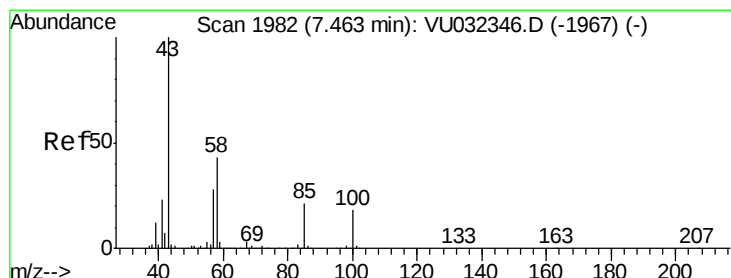
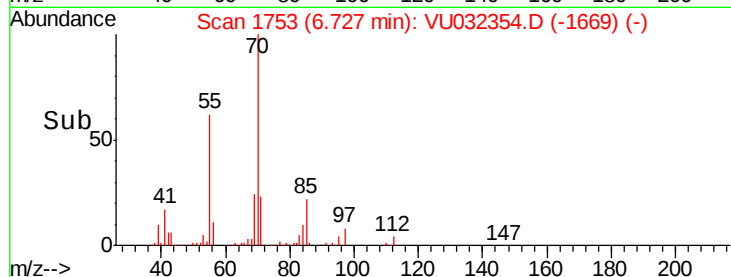
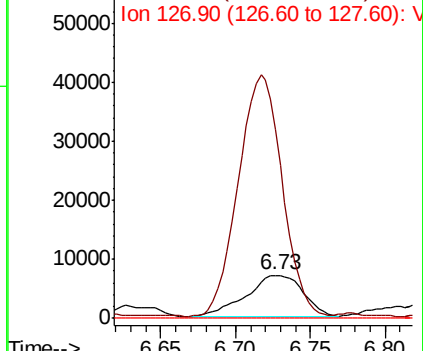
83 100

85 438.9 44.4 82.4#

127 0.0 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V



#40

4-Methyl-2-pentanone

Concen: 2.980 ug/L

RT: 7.52 min Scan# 1999

Delta R.T. 0.05 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

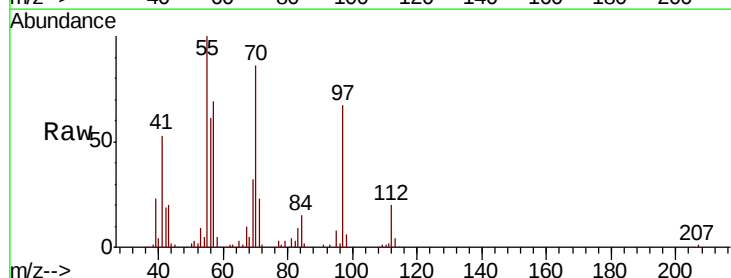
Tgt Ion: 43 Resp: 20041

Ion Ratio Lower Upper

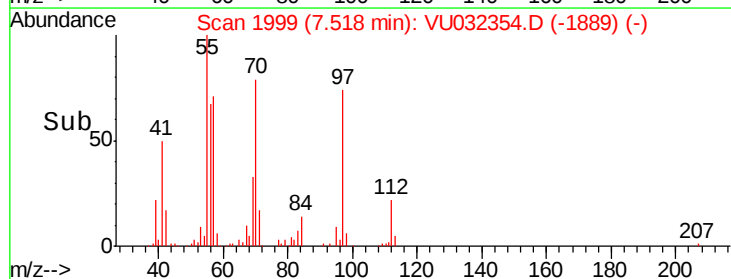
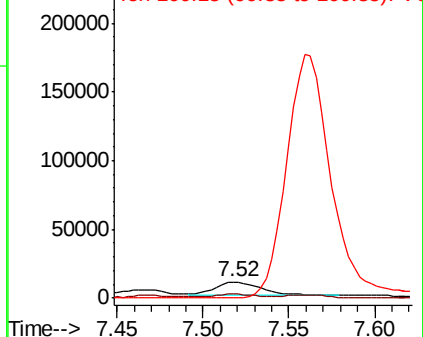
43 100

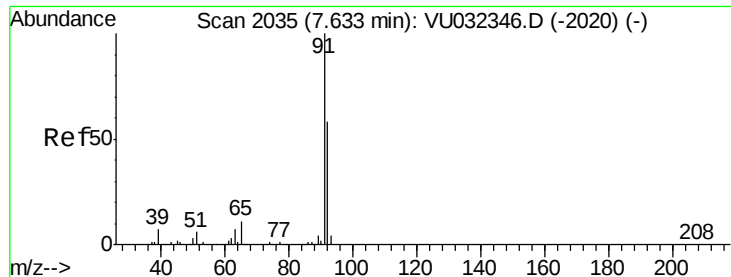
58 27.1 35.8 53.6#

100 0.0 14.6 22.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU





#42

Toluene

Concen: 0.141 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

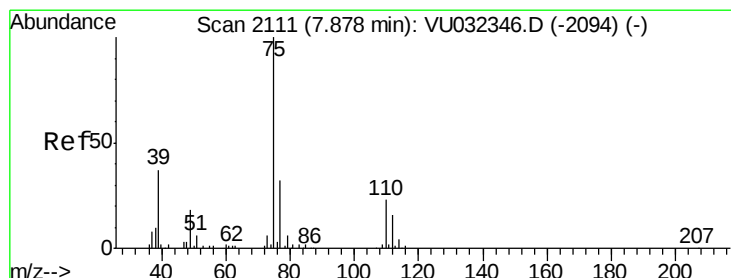
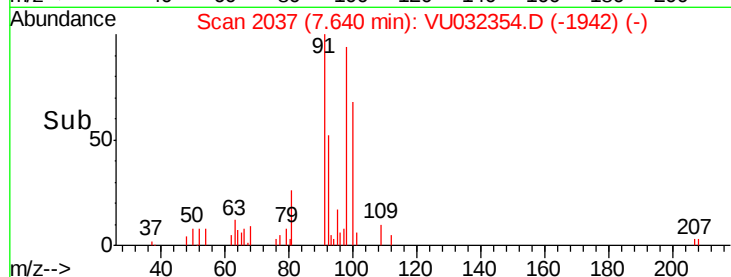
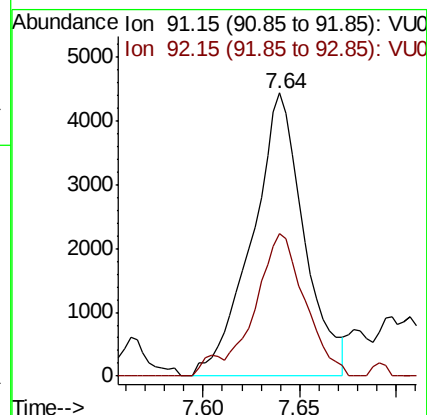
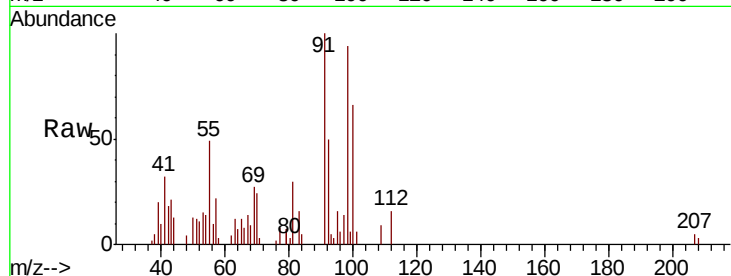
C0C47

Tgt Ion: 91 Resp: 8308

Ion Ratio Lower Upper

91 100

92 50.3 38.5 71.5



#44

trans-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032354.D

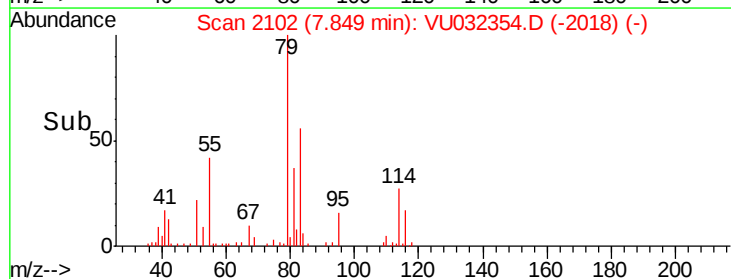
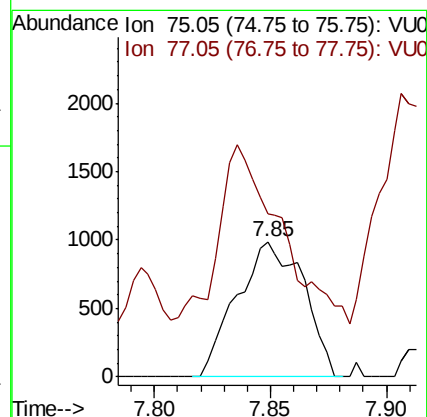
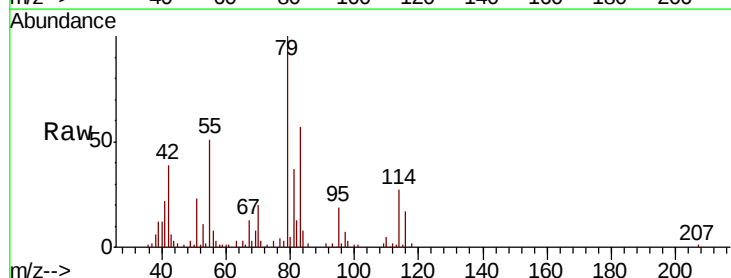
Acq: 29 May 2019 12:26

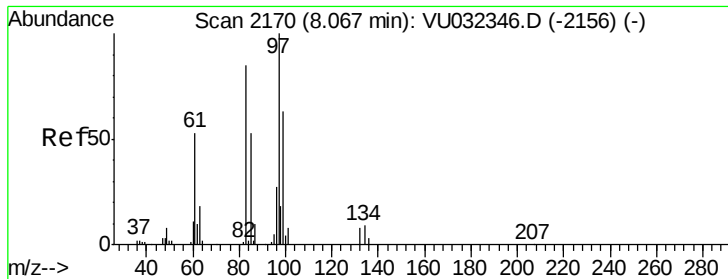
Tgt Ion: 75 Resp: 1979

Ion Ratio Lower Upper

75 100

77 120.5 22.5 41.9#

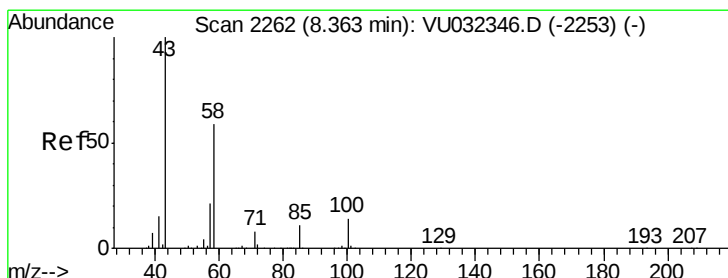
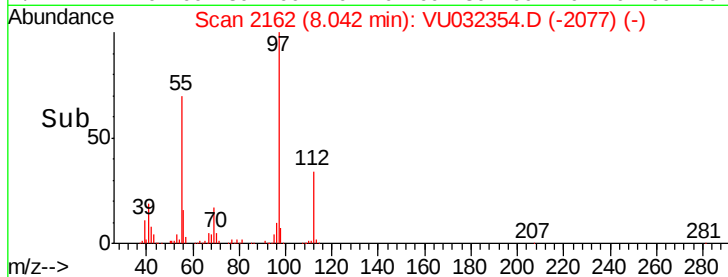
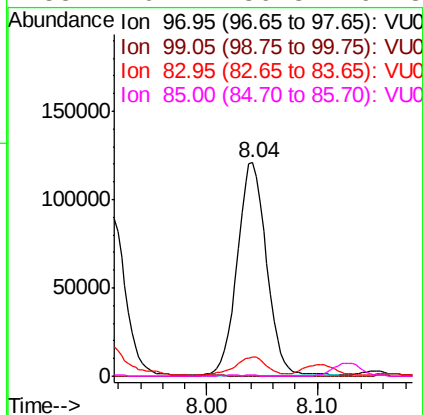
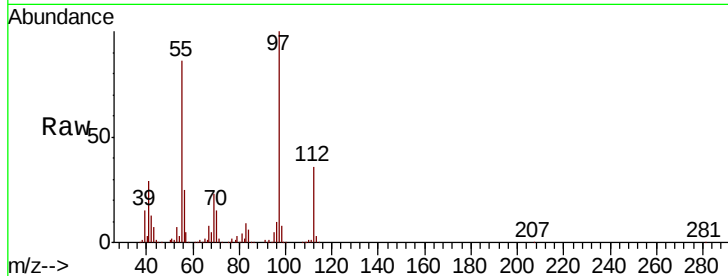




#45
 1,1,2-Trichloroethane
 Concen: 21.589 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.03 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

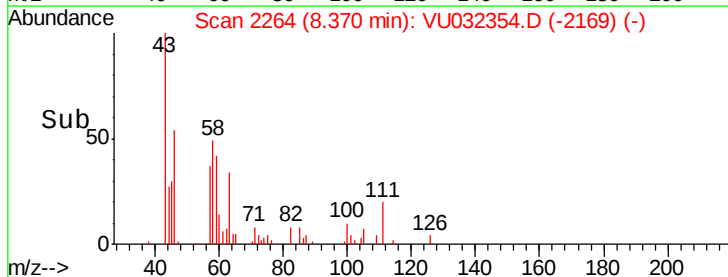
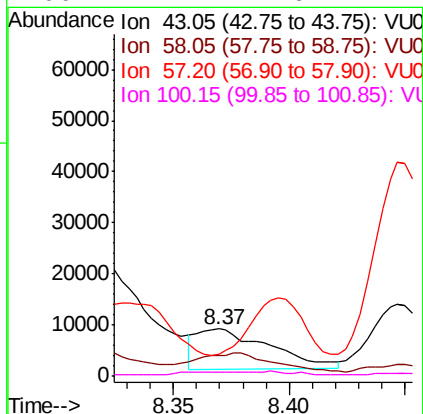
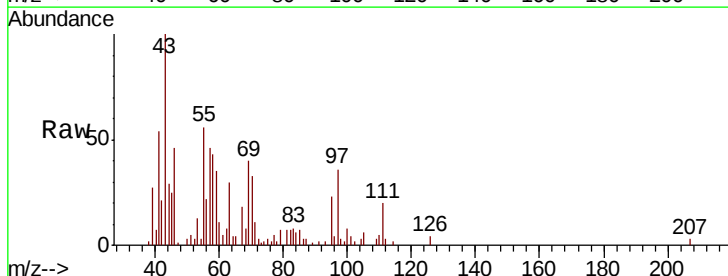
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C47

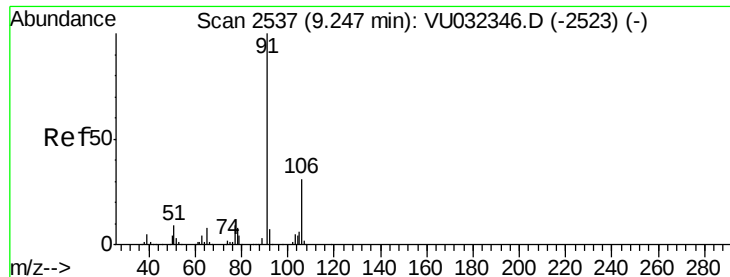
Tgt Ion:	97	Resp:	221834
Ion	Ratio	Lower	Upper
97	100		
99	0.2	44.2	82.0#
83	9.1	60.5	112.3#
85	0.4	36.3	67.3#



#48
 2-Hexanone
 Concen: 3.324 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

Tgt Ion:	43	Resp:	17147
Ion	Ratio	Lower	Upper
43	100		
58	0.0	49.7	74.5#
57	0.0	17.1	25.7#
100	7.4	11.6	17.4#





#52

Ethylbenzene

Concen: 21.824 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

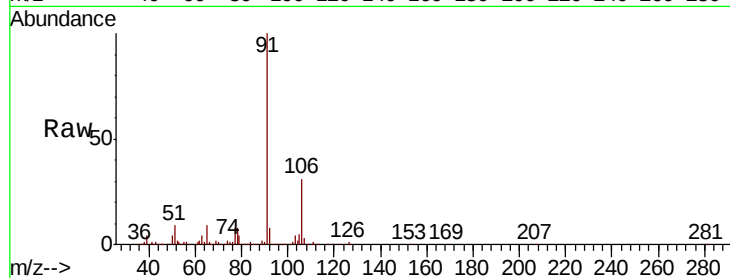
C0C47

Tgt Ion: 91 Resp: 1290010

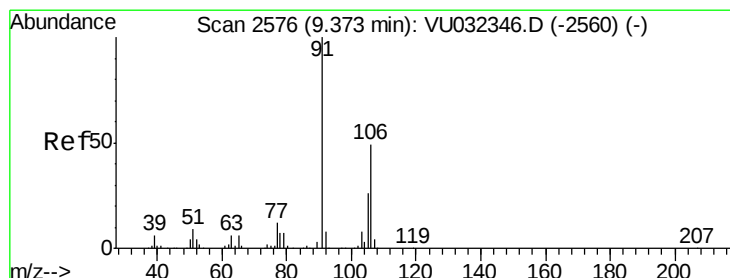
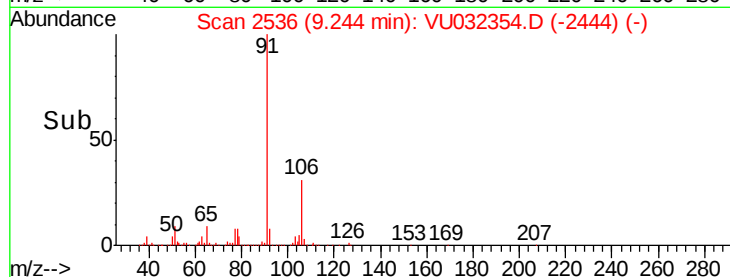
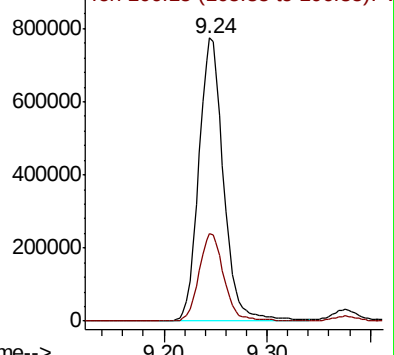
Ion Ratio Lower Upper

91 100

106 31.0 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU032346.D (-2523) (-)



#53

m,p-Xylene

Concen: 1.211 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032354.D

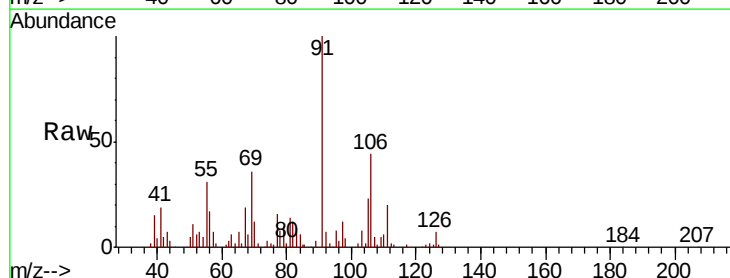
Acq: 29 May 2019 12:26

Tgt Ion: 106 Resp: 26616

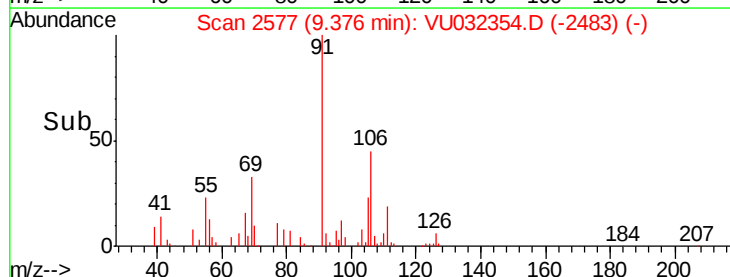
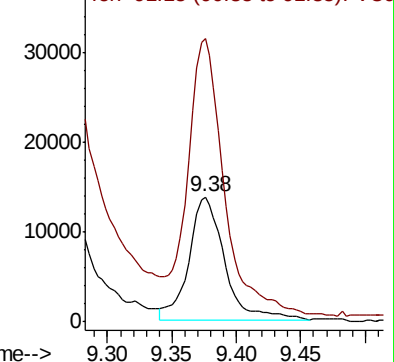
Ion Ratio Lower Upper

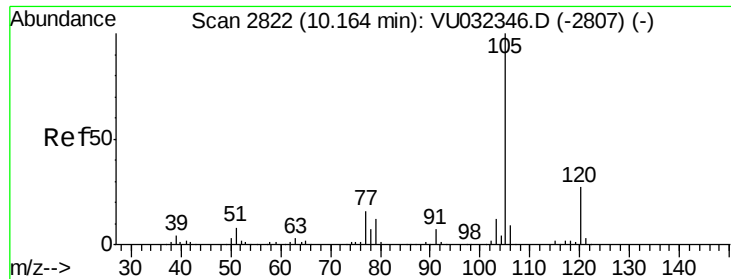
106 100

91 226.4 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): VU032346.D (-2560) (-)





#56

Isopropylbenzene

Concen: 6.027 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032354.D

Acq: 29 May 2019 12:26

Instrument :

MSVOA_U

ClientSampled :

C0C47

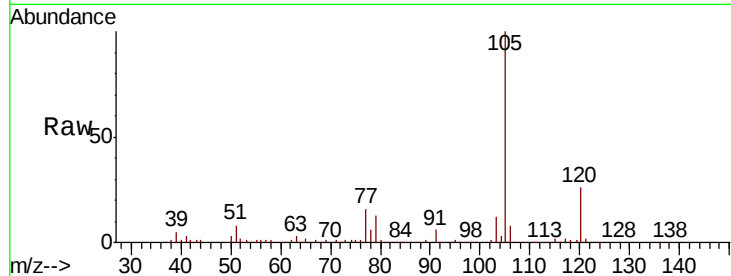
Tgt Ion: 105 Resp: 334683

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

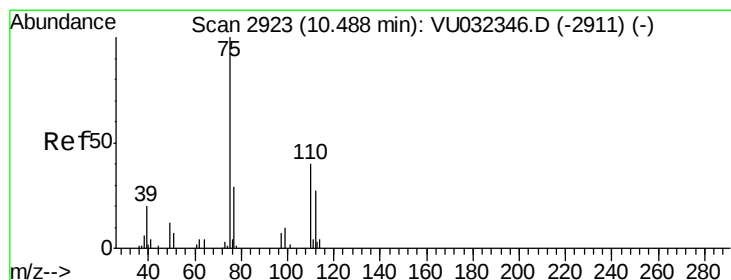
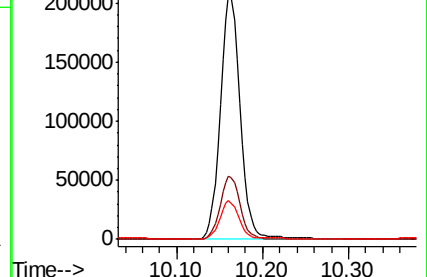
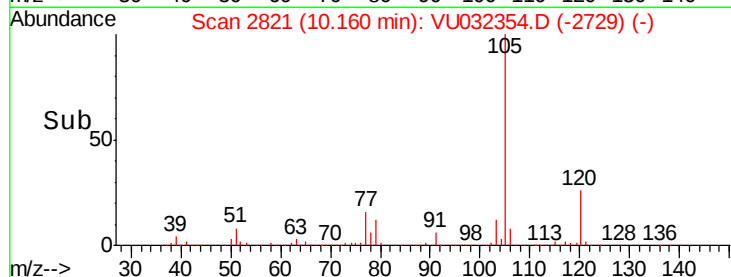
77 15.5 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.473 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.09 min

Lab File: VU032354.D

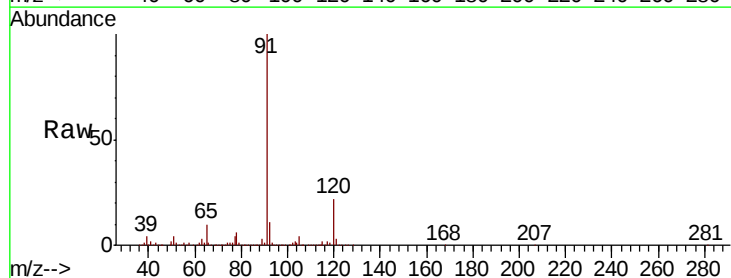
Acq: 29 May 2019 12:26

Tgt Ion: 75 Resp: 4101

Ion Ratio Lower Upper

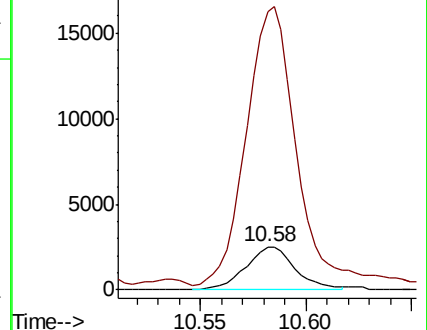
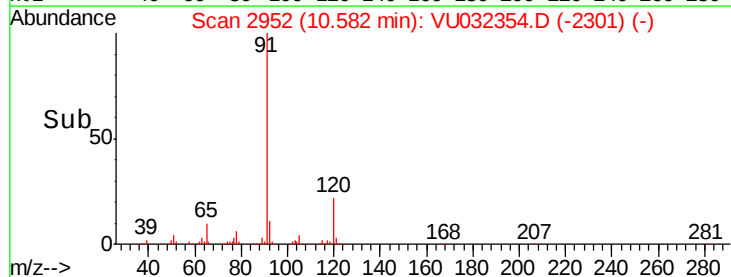
75 100

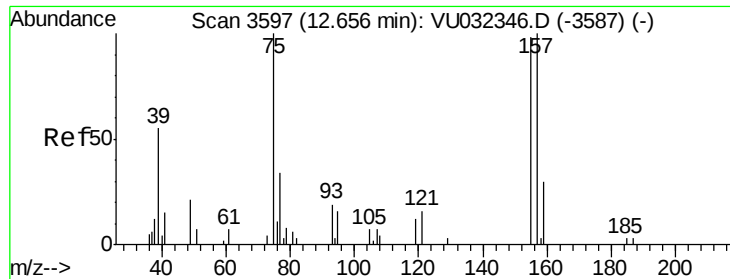
77 659.5 28.2 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

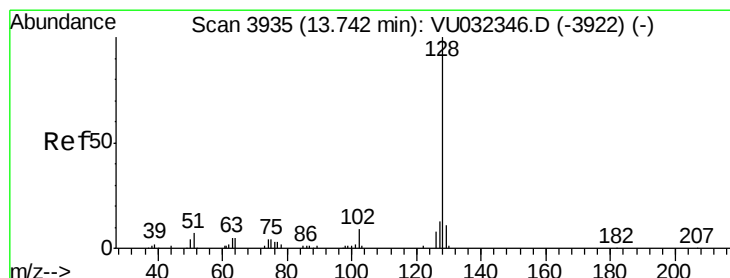
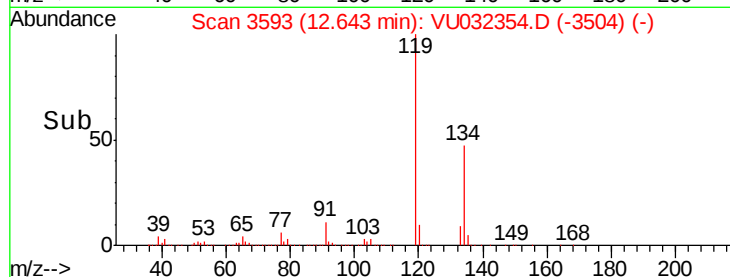
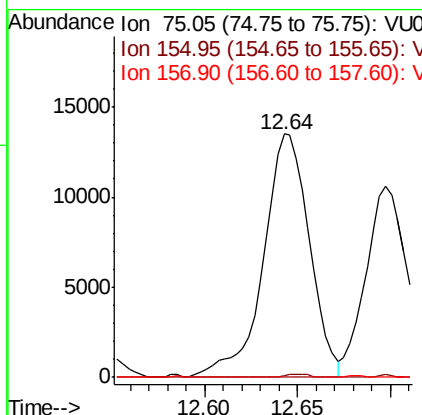
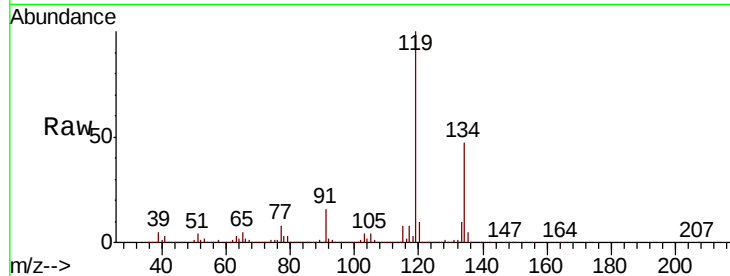




#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.452 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.01 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C47

Tgt Ion: 75 Resp: 23372
 Ion Ratio Lower Upper
 75 100
 155 0.8 69.3 103.9#
 157 0.0 90.6 135.8#



#69
 Naphthalene
 Concen: 1.877 ug/L
 RT: 13.73 min Scan# 3932
 Delta R.T. -0.01 min
 Lab File: VU032354.D
 Acq: 29 May 2019 12:26

Tgt Ion: 128 Resp: 48000
 Ion Ratio Lower Upper
 128 100
 129 48.3 9.2 13.8#
 127 22.7 11.1 16.7#

