

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032365.D
 Acq On : 29 May 2019 17:45
 Operator : JC/SP
 Sample : K3045-03DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C47DL

Quant Time: May 30 05:40:16 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	416846	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407026	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	202678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	115974	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.67	69	104779	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.27	63	171151	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.19	46	316661	47.95	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.90%
24) Chloroform-d	4.64	84	230622	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
26) 1,2-Dichloroethane-d4	5.31	65	114311	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.20%
32) Benzene-d6	5.33	84	488233	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	6.32	67	148719	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.20%
41) Toluene-d8	7.56	98	454491	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	7.85	79	54810	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.31	63	260079	47.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	123308	3.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	66.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	191917	3.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	68.80%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	3003	0.168 ug/L #	81
8) Chloroethane	1.46	64	93641	8.176 ug/L #	48
13) Acetone	2.30	43	144576	70.667 ug/L	51
15) Methyl Acetate	2.70	43	581900	96.932 ug/L #	41
16) Methylene chloride	2.70	84	2607	0.132 ug/L #	1
21) 2-Butanone	4.29	43	2825	0.915 ug/L	92
30) Cyclohexane	5.07	56	443513	22.456 ug/L #	15
33) Benzene	5.38	78	260691	4.735 ug/L	100
35) Methylcyclohexane	6.38	83	27625	1.269 ug/L #	41
45) 1,1,2-Trichloroethane	8.04	97	51780	5.058 ug/L #	19
48) 2-Hexanone	8.38	43	5783	1.125 ug/L #	43
52) Ethylbenzene	9.25	91	305898	5.195 ug/L	97
53) m,p-Xylene	9.38	106	7057	0.322 ug/L	83
56) Isopropylbenzene	10.16	105	76852	1.389 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	20647	2.392 ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.64	75	6887	3.511 ug/L #	1
69) Naphthalene	13.73	128	5438	0.221 ug/L #	1

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QLast Update : Thu May 30 05:34:28 2019
Response via : Initial Calibration

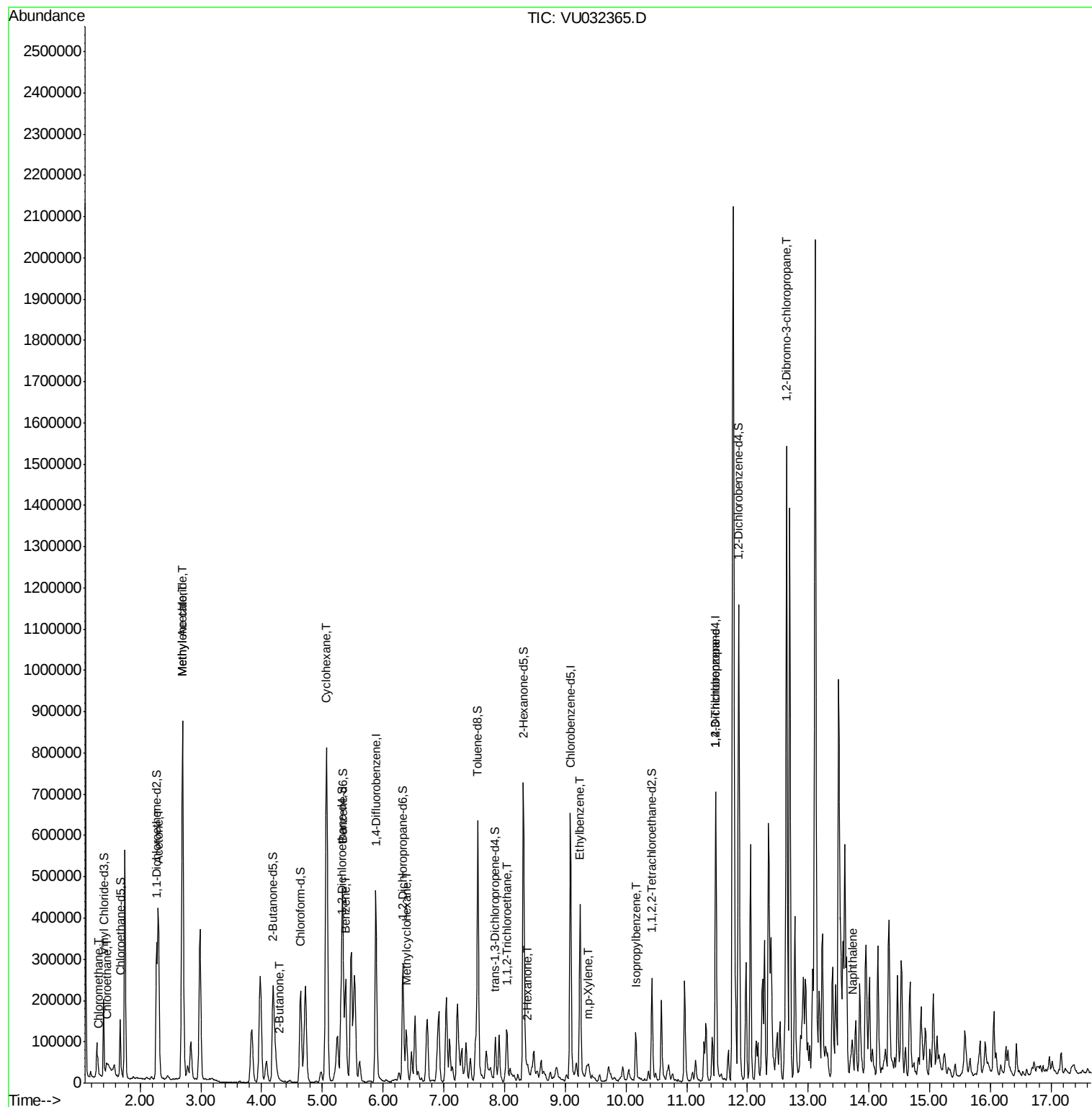
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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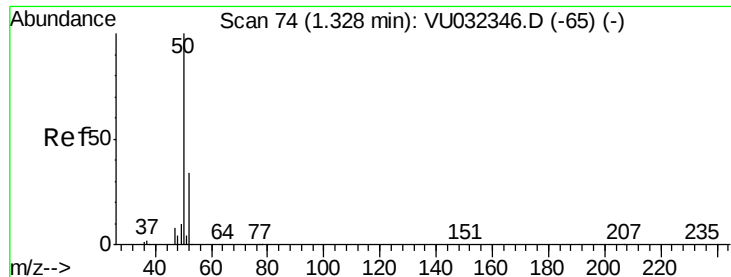
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.168 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032365.D

Acq: 29 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

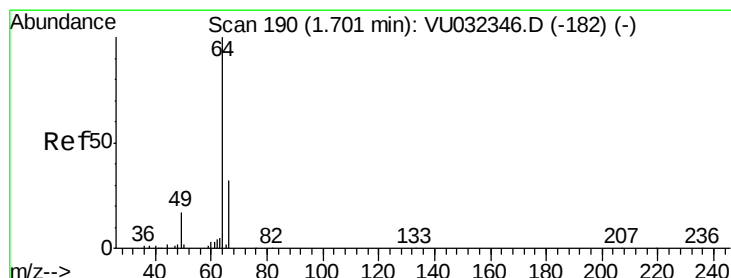
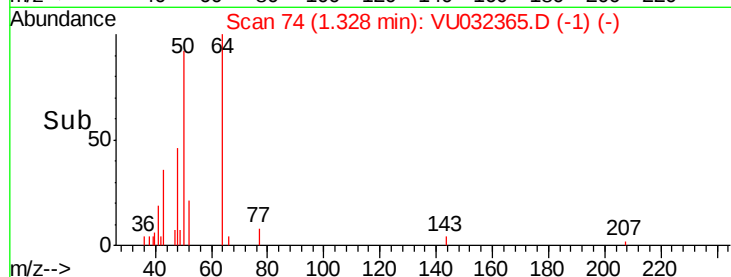
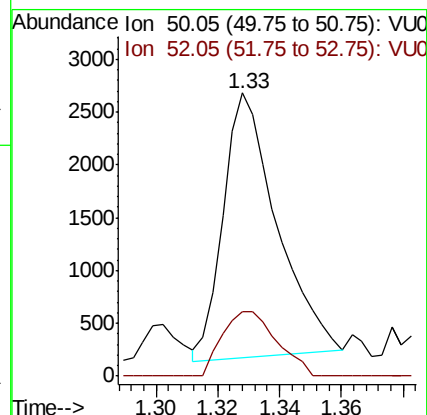
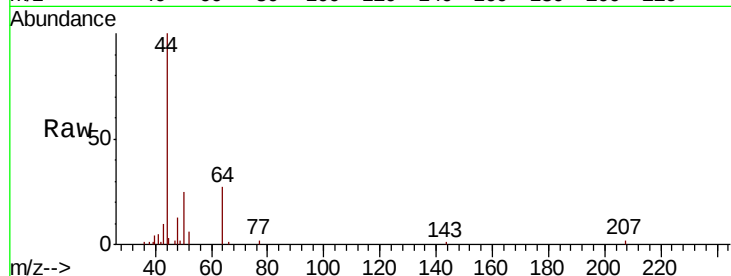
C0C47DL

Tgt Ion: 50 Resp: 3003

Ion Ratio Lower Upper

50 100

52 22.7 23.3 43.3#



#8

Chloroethane

Concen: 8.176 ug/L

RT: 1.46 min Scan# 115

Delta R.T. -0.24 min

Lab File: VU032365.D

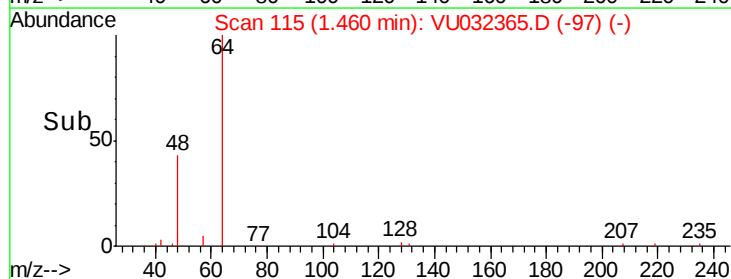
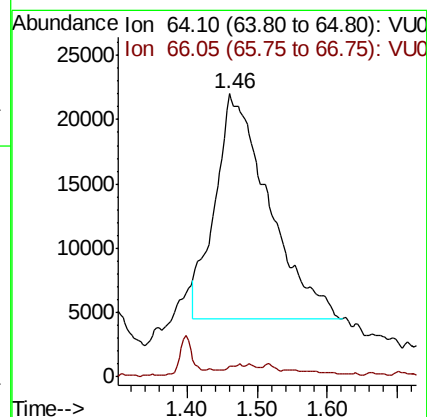
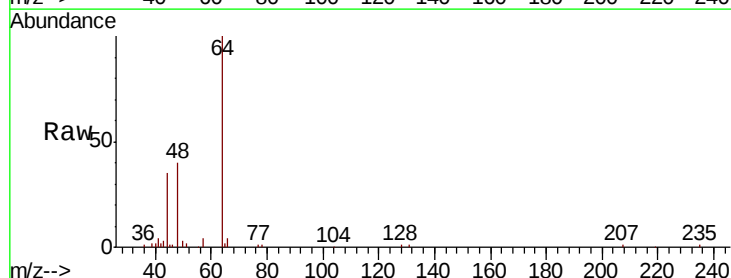
Acq: 29 May 2019 17:45

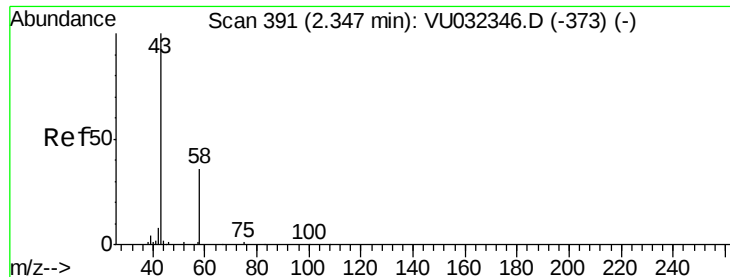
Tgt Ion: 64 Resp: 93641

Ion Ratio Lower Upper

64 100

66 3.7 23.1 42.9#





#13

Acetone

Concen: 70.667 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.05 min

Lab File: VU032365.D

Acq: 29 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

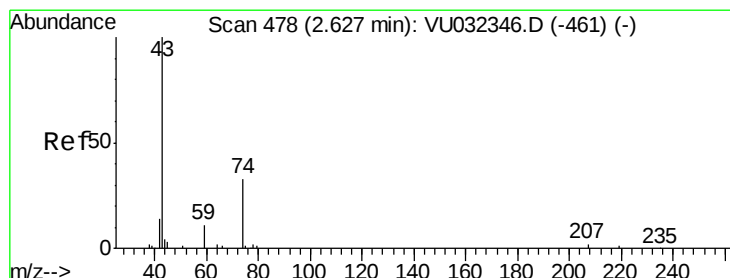
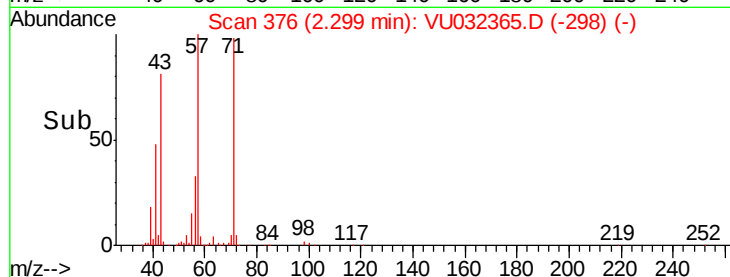
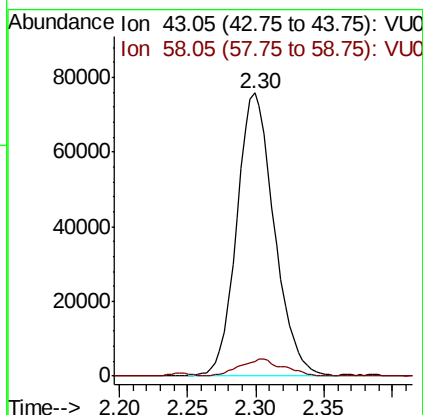
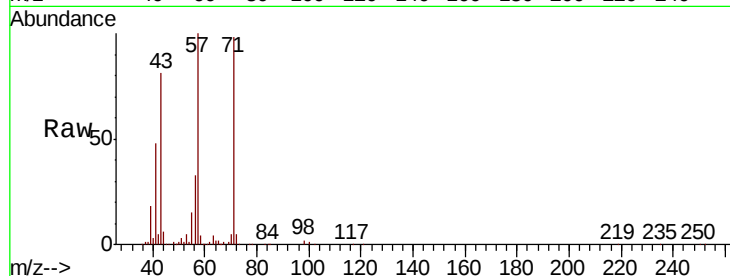
C0C47DL

Tgt Ion: 43 Resp: 144576

Ion Ratio Lower Upper

43 100

58 7.2 0.0 72.6



#15

Methyl Acetate

Concen: 96.932 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.07 min

Lab File: VU032365.D

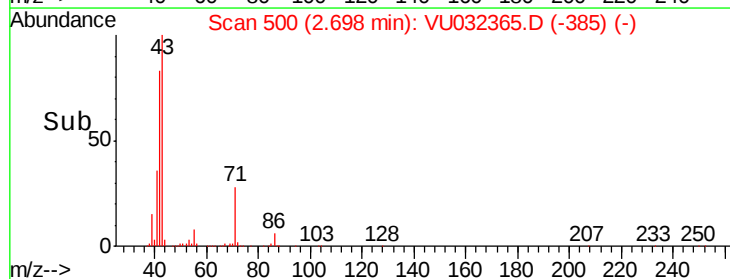
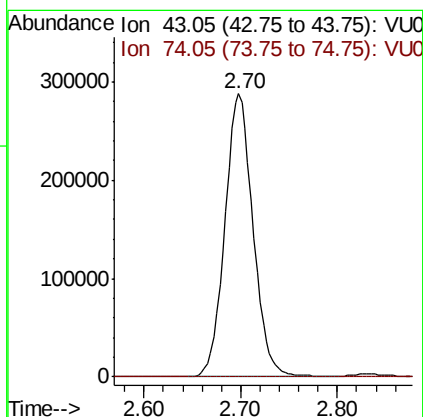
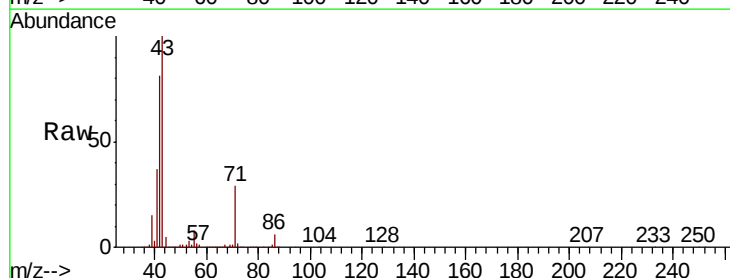
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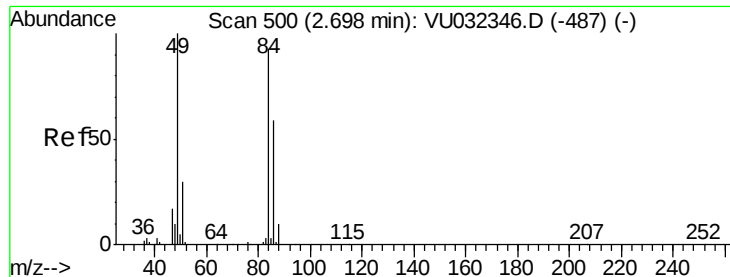
Tgt Ion: 43 Resp: 581900

Ion Ratio Lower Upper

43 100

74 0.0 27.3 40.9#

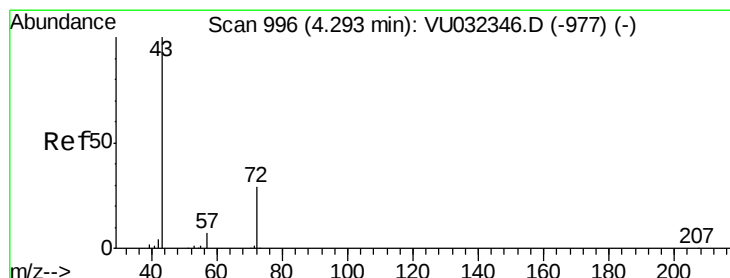
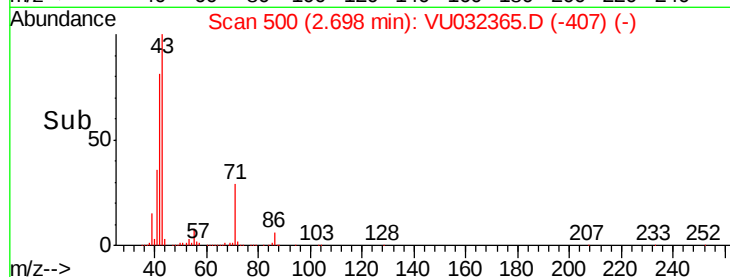
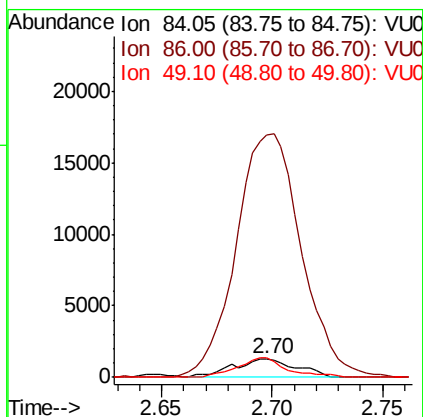
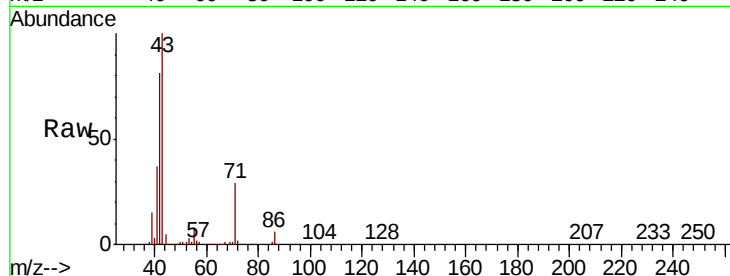




#16
Methylene chloride
Concen: 0.132 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

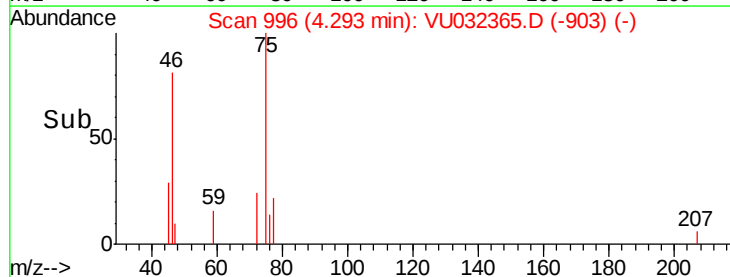
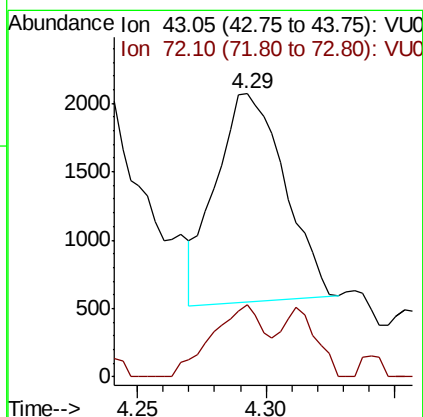
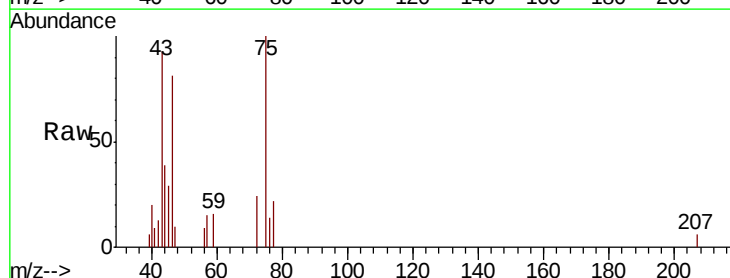
Instrument :
MSVOA_U
ClientSampleId :
C0C47DL

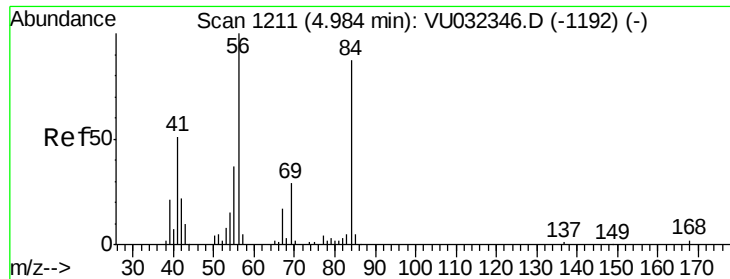
Tgt Ion: 84 Resp: 2607
Ion Ratio Lower Upper
84 100
86 1291.7 43.6 81.0#
49 102.4 71.1 132.1



#21
2-Butanone
Concen: 0.915 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

Tgt Ion: 43 Resp: 2825
Ion Ratio Lower Upper
43 100
72 26.3 15.2 45.6

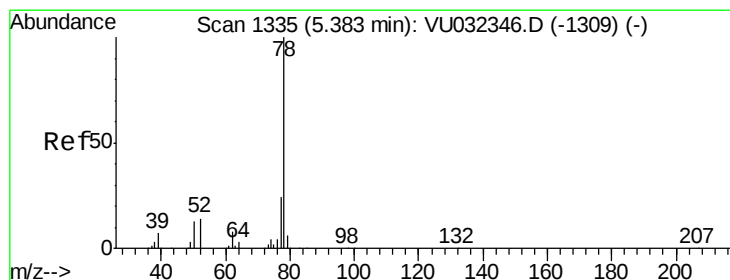
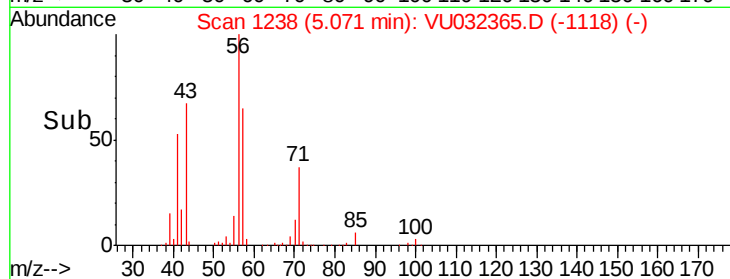
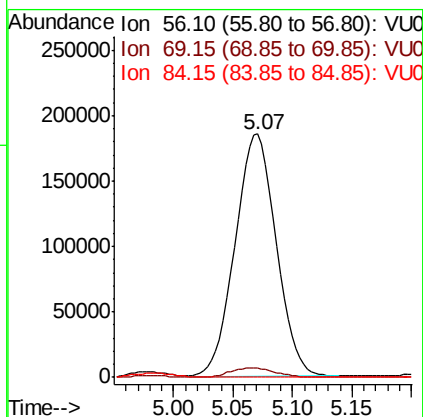
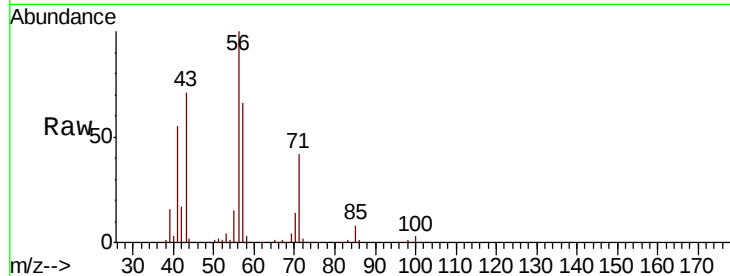




#30
Cyclohexane
Concen: 22.456 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. 0.09 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

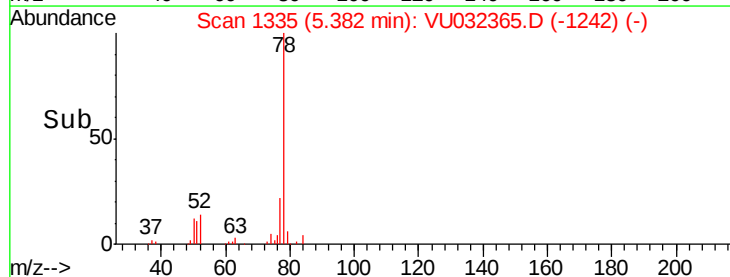
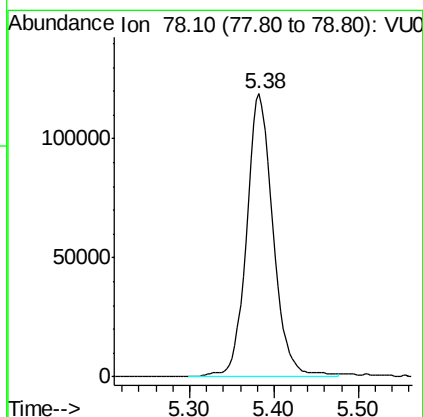
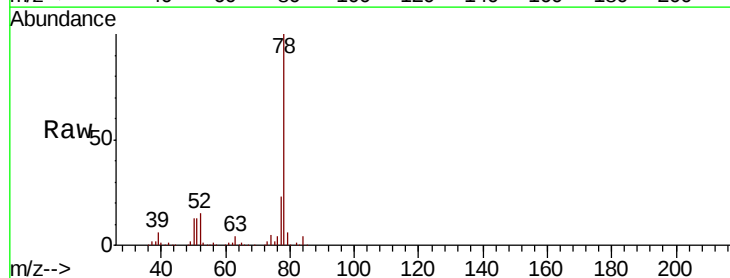
Instrument :
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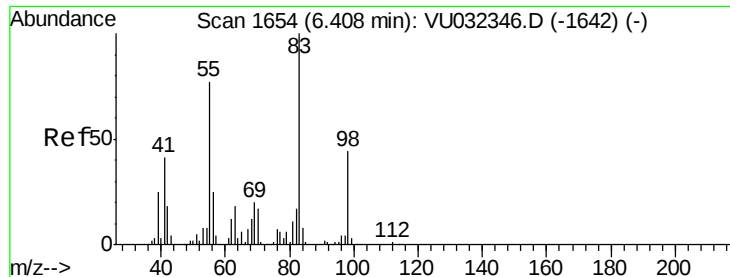
Tgt Ion: 56 Resp: 443513
Ion Ratio Lower Upper
56 100
69 4.1 26.6 39.8#
84 0.1 75.0 112.6#



#33
Benzene
Concen: 4.735 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

Tgt Ion: 78 Resp: 260691

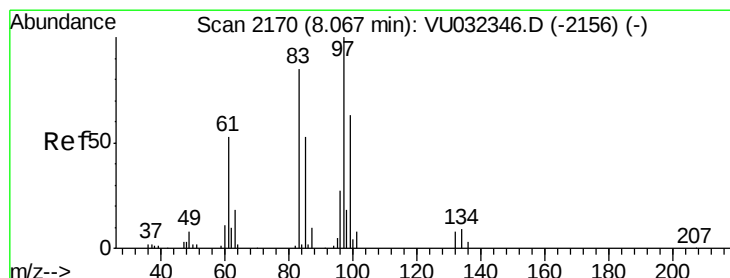
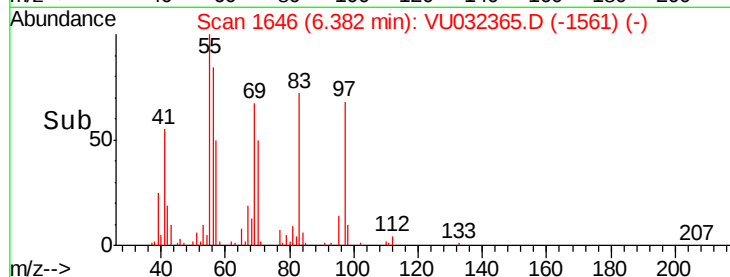
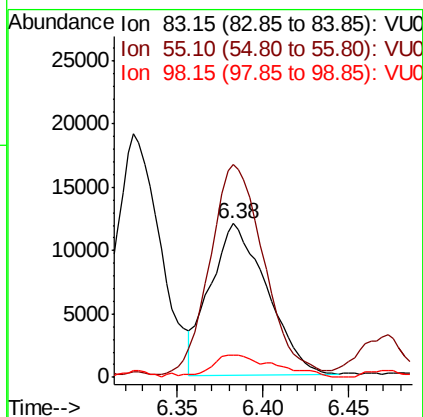
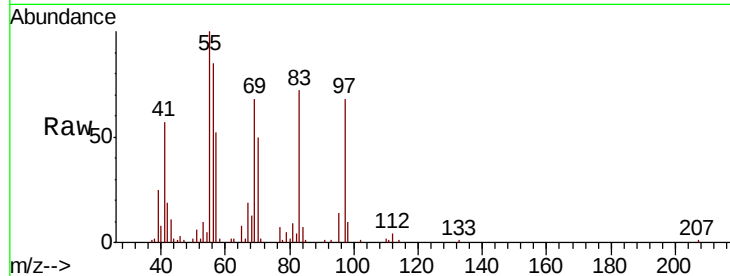




#35
Methylcyclohexane
Concen: 1.269 ug/L
RT: 6.38 min Scan# 1646
Delta R.T. -0.03 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

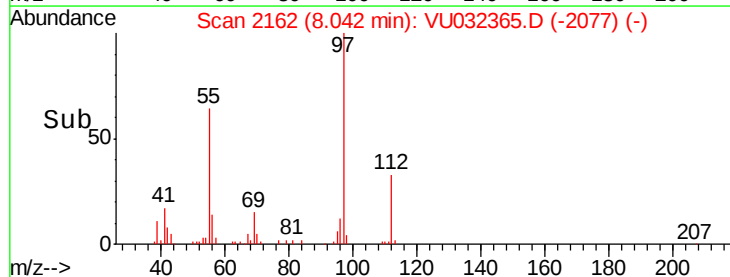
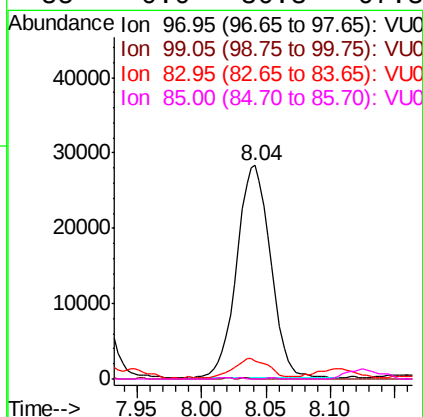
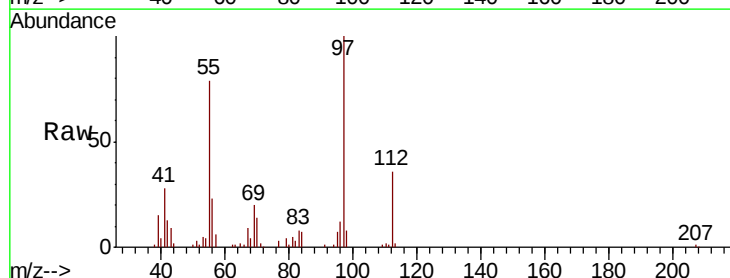
Instrument :
MSVOA_U
ClientSampleId :
C0C47DL

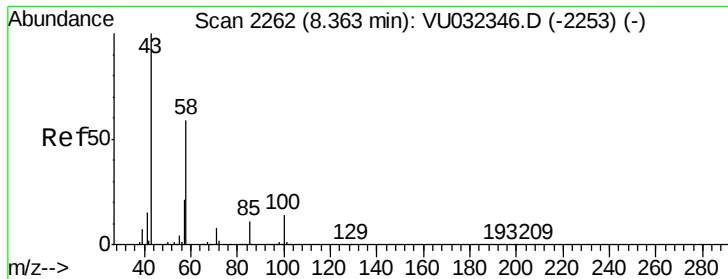
Tgt Ion: 83 Resp: 27625
Ion Ratio Lower Upper
83 100
55 131.1 59.7 89.5#
98 16.3 37.5 56.3#



#45
1,1,2-Trichloroethane
Concen: 5.058 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. -0.03 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

Tgt Ion: 97 Resp: 51780
Ion Ratio Lower Upper
97 100
99 0.0 44.2 82.0#
83 8.3 60.5 112.3#
85 0.0 36.3 67.3#

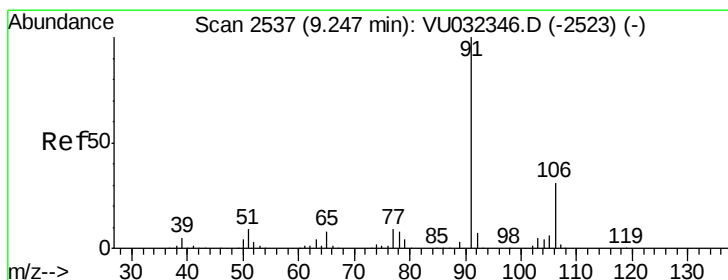
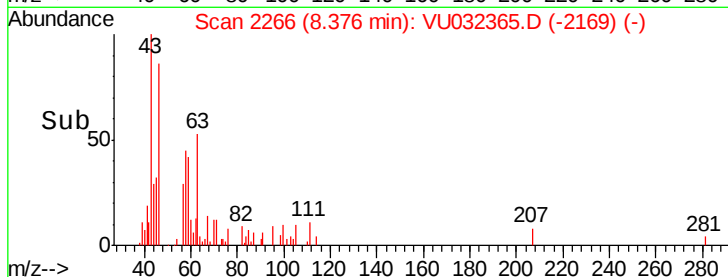
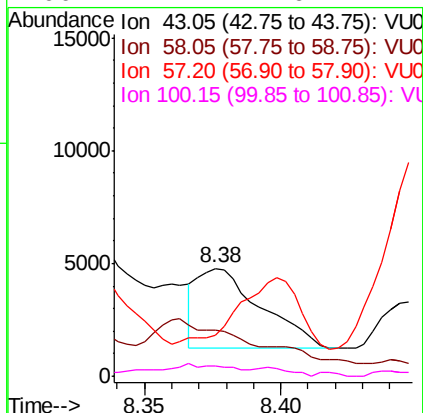
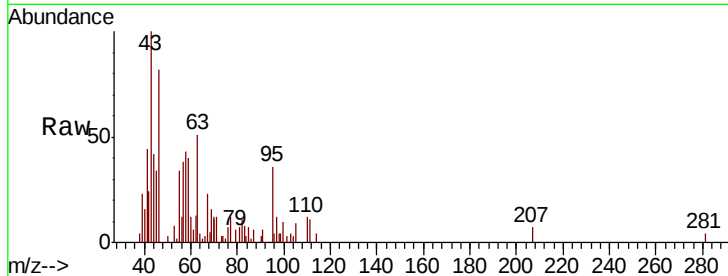




#48
2-Hexanone
Concen: 1.125 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

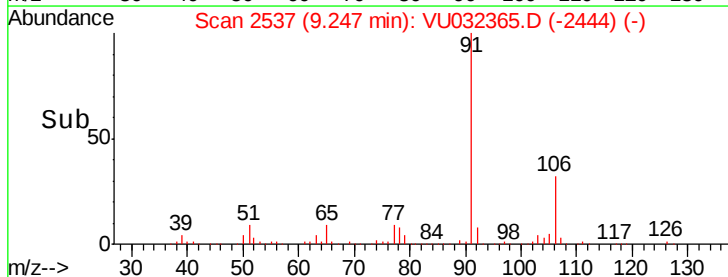
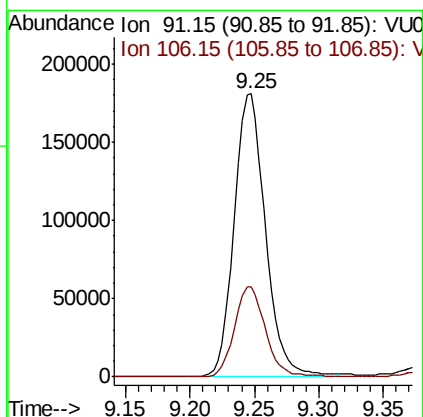
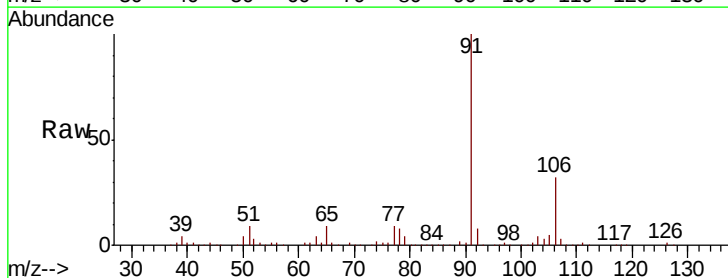
Instrument :
MSVOA_U
ClientSampleId :
C0C47DL

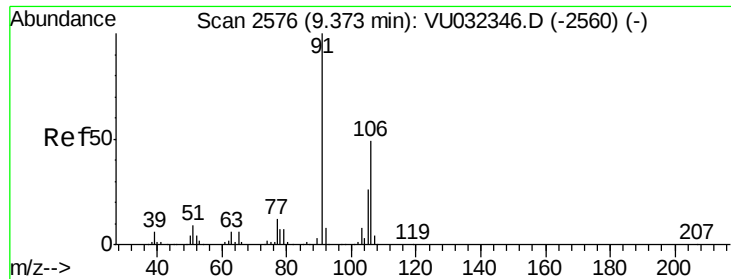
Tgt Ion: 43 Resp: 5783
Ion Ratio Lower Upper
43 100
58 117.8 49.7 74.5#
57 0.0 17.1 25.7#
100 17.7 11.6 17.4#



#52
Ethylbenzene
Concen: 5.195 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU032365.D
Acq: 29 May 2019 17:45

Tgt Ion: 91 Resp: 305898
Ion Ratio Lower Upper
91 100
106 31.7 20.9 38.9





#53

m,p-Xylene

Concen: 0.322 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032365.D

Acq: 29 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

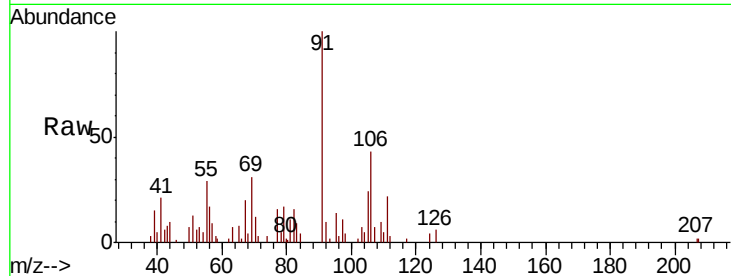
C0C47DL

Tgt Ion:106 Resp: 7057

Ion Ratio Lower Upper

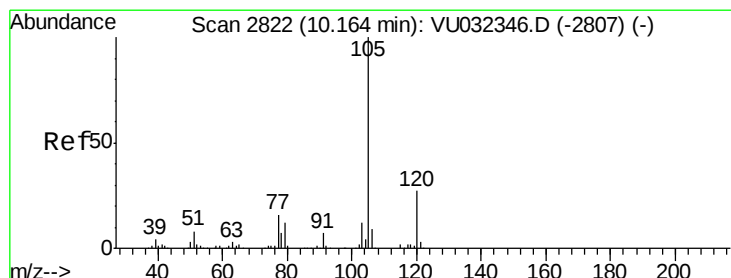
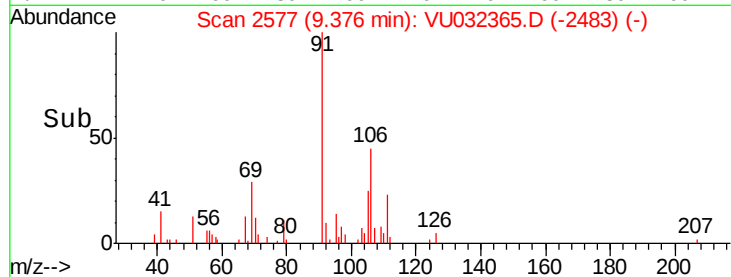
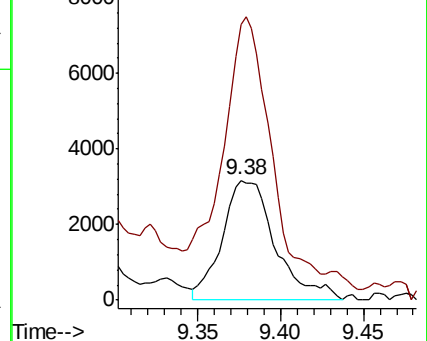
106 100

91 231.0 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 1.389 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU032365.D

Acq: 29 May 2019 17:45

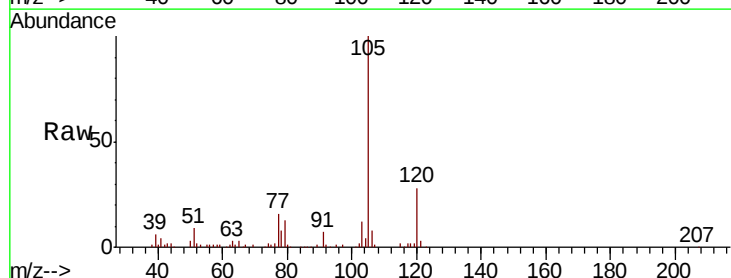
Tgt Ion:105 Resp: 76852

Ion Ratio Lower Upper

105 100

120 27.6 21.0 31.6

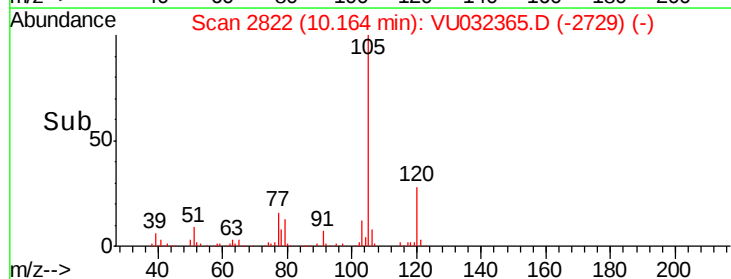
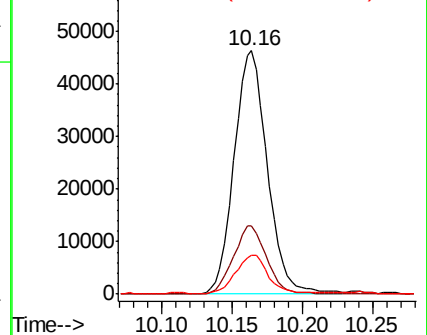
77 15.5 11.9 17.9

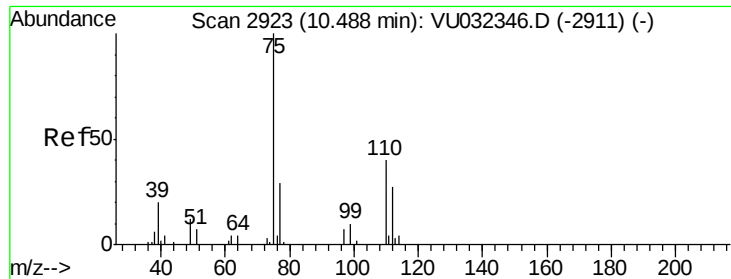


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

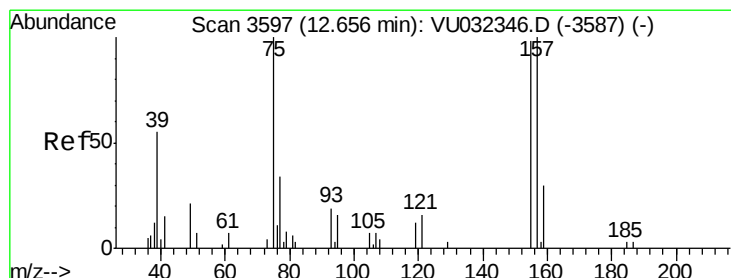
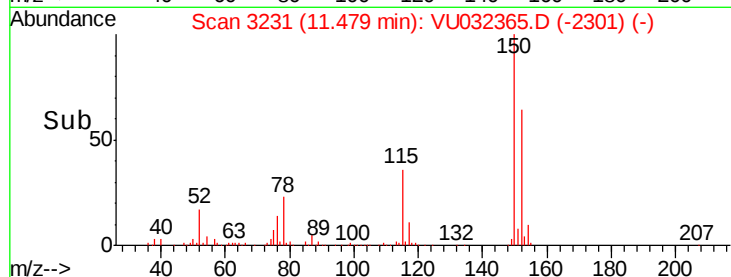
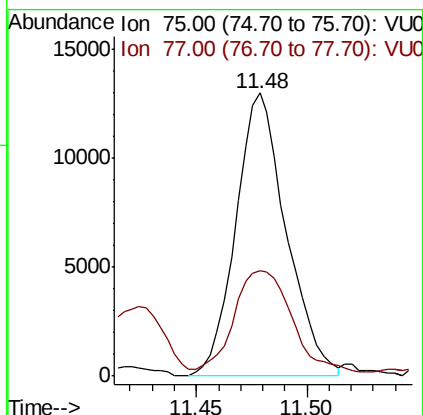
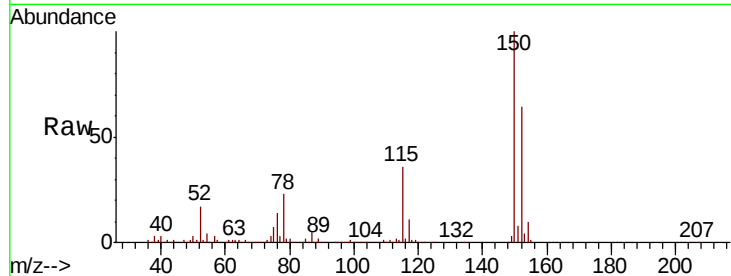




#59
 1,2,3-Trichloropropane
 Concen: 2.392 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032365.D
 Acq: 29 May 2019 17:45

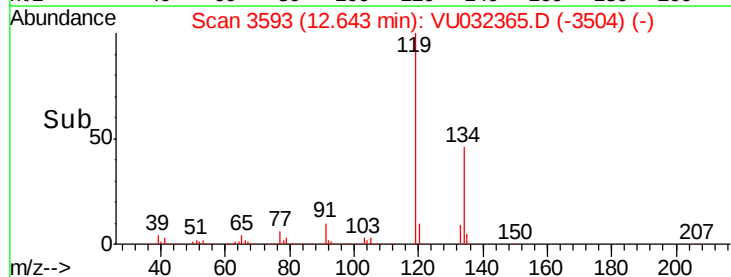
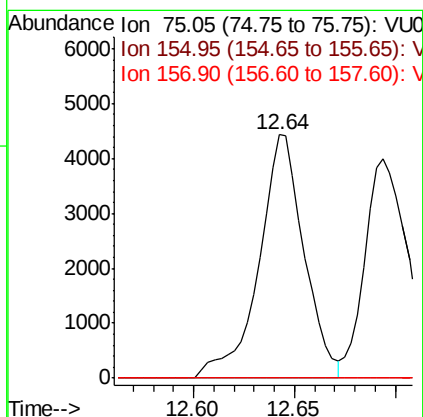
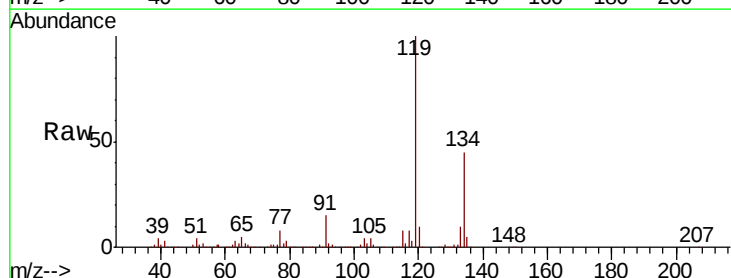
Instrument :
 MSVOA_U
 ClientSampled :
 C0C47DL

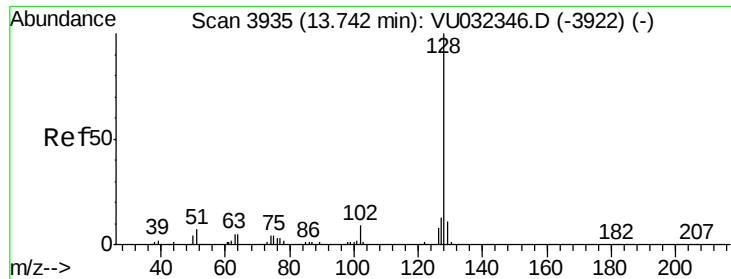
Tgt Ion: 75 Resp: 20647
 Ion Ratio Lower Upper
 75 100
 77 40.8 28.2 42.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.511 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.01 min
 Lab File: VU032365.D
 Acq: 29 May 2019 17:45

Tgt Ion: 75 Resp: 6887
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 0.0 90.6 135.8#





#69

Naphthalene

Concen: 0.221 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.02 min

Lab File: VU032365.D

Acq: 29 May 2019 17:45

Instrument :

MSVOA_U

ClientSampleId :

C0C47DL

Tgt Ion:128 Resp: 5438

Ion Ratio Lower Upper

128 100

129 100.8 9.2 13.8#

127 59.7 11.1 16.7#

