

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032368.D
 Acq On : 29 May 2019 18:59
 Operator : JC/SP
 Sample : K3045-08DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C52DL

Quant Time: May 30 05:40:49 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	413867	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	403326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	196360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	118487	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.68	69	106852	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.27	63	176659	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.20	46	339322	51.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	4.64	84	233238	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.31	65	123675	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
32) Benzene-d6	5.33	84	506842	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.33	67	156840	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.56	98	455362	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.85	79	56263	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.31	63	262904	48.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127664	3.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	187949	3.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	69.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	2319	0.131 ug/L	91
8) Chloroethane	1.67	64	2567	0.226 ug/L #	54
12) 1,1-Dichloroethene	2.28	96	1776	0.121 ug/L #	1
13) Acetone	2.30	43	6221	3.063 ug/L	41
15) Methyl Acetate	2.70	43	27266	4.575 ug/L #	41
25) Chloroform	4.67	83	9851	0.374 ug/L	91
30) Cyclohexane	4.98	56	3805	0.194 ug/L #	92
33) Benzene	5.39	78	30172	0.553 ug/L	100
35) Methylcyclohexane	6.33	83	35701	1.655 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	15954	1.215 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	3662	0.196 ug/L	85
48) 2-Hexanone	8.37	43	10261	2.015 ug/L #	89
52) Ethylbenzene	9.24	91	478332	8.197 ug/L	97
53) m,p-Xylene	9.38	106	44049	2.030 ug/L	95
56) Isopropylbenzene	10.16	105	45555	0.831 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	21107	2.467 ug/L	99
69) Naphthalene	13.75	128	26773	1.124 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 30 05:34:28 2019
Response via : Initial Calibration

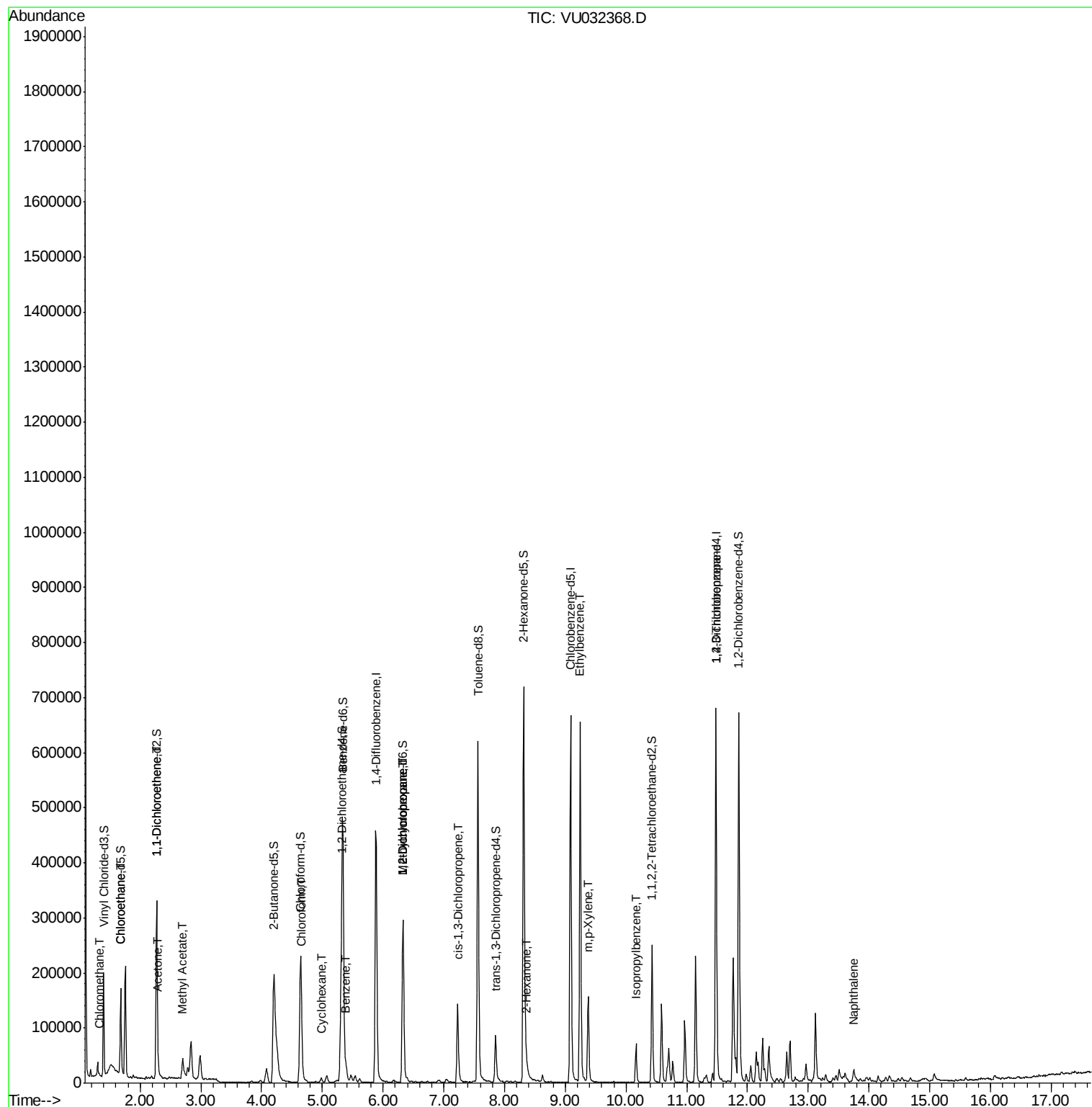
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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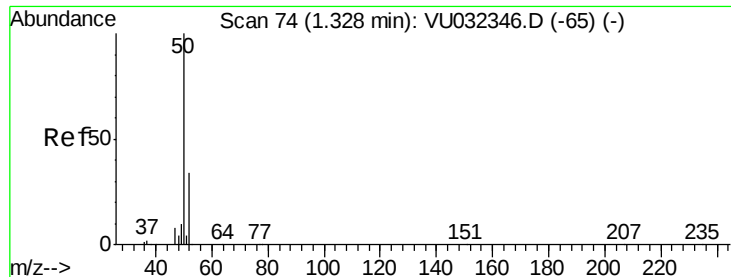
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.131 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

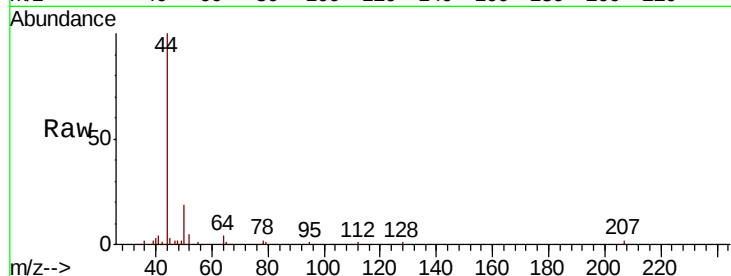
C0C52DL

Tgt Ion: 50 Resp: 2319

Ion Ratio Lower Upper

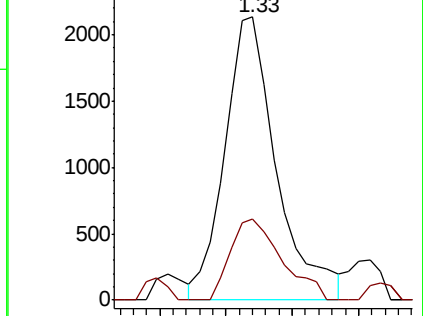
50 100

52 28.5 23.3 43.3

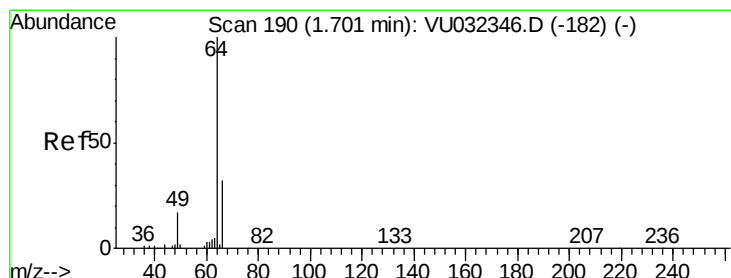
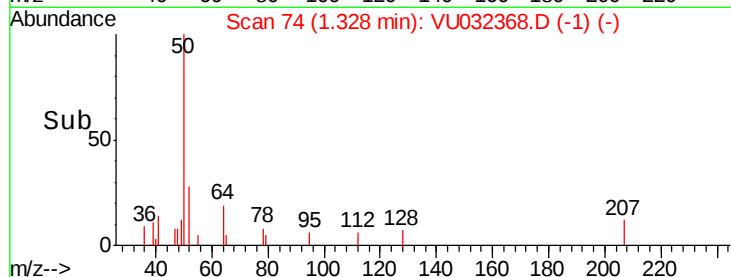


Abundance Ion 50.05 (49.75 to 50.75): VU032346.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032346.D (-65) (-)



Time-->



#8

Chloroethane

Concen: 0.226 ug/L

RT: 1.67 min Scan# 181

Delta R.T. -0.03 min

Lab File: VU032368.D

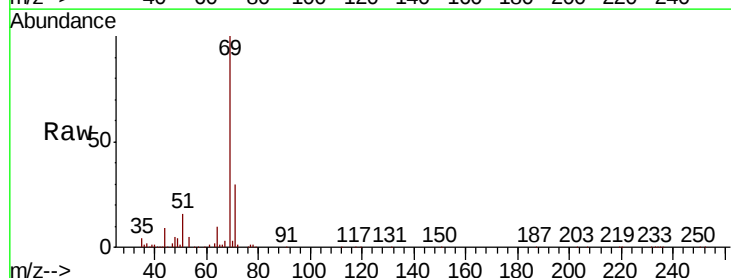
Acq: 29 May 2019 18:59

Tgt Ion: 64 Resp: 2567

Ion Ratio Lower Upper

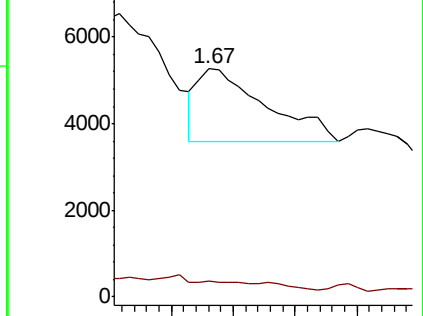
64 100

66 7.0 23.1 42.9#

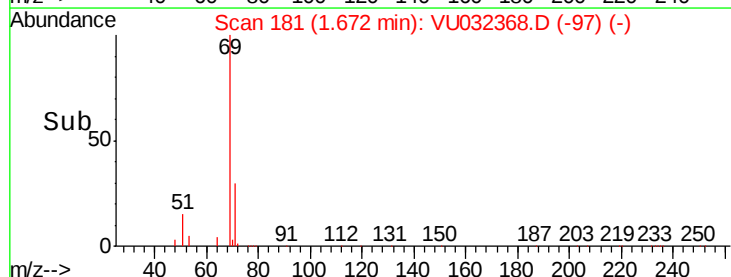


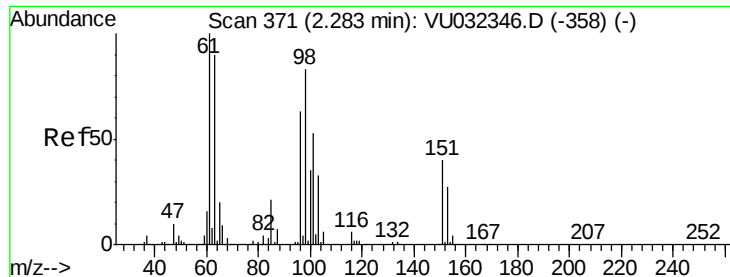
Abundance Ion 64.10 (63.80 to 64.80): VU032346.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU032346.D (-182) (-)



Time-->





#12

1,1-Dichloroethene

Concen: 0.121 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

C0C52DL

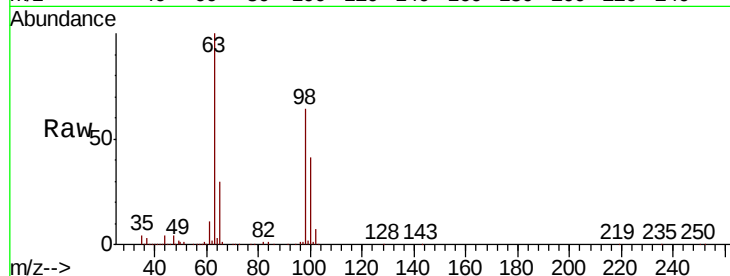
Tgt Ion: 96 Resp: 1776

Ion Ratio Lower Upper

96 100

61 982.6 113.8 211.3#

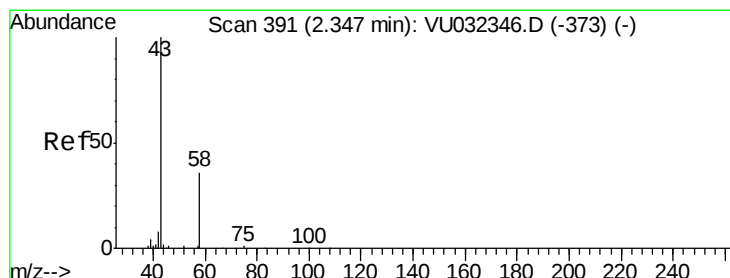
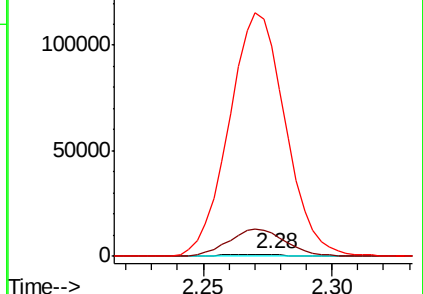
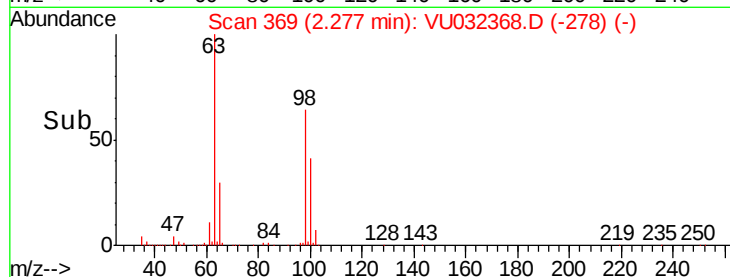
63 8965.9 108.8 202.2#



Abundance Ion 96.00 (95.70 to 96.70): VU032368.D (-278) (-)

Ion 61.05 (60.75 to 61.75): VU032368.D (-278) (-)

Ion 63.00 (62.70 to 63.70): VU032368.D (-278) (-)



#13

Acetone

Concen: 3.063 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.05 min

Lab File: VU032368.D

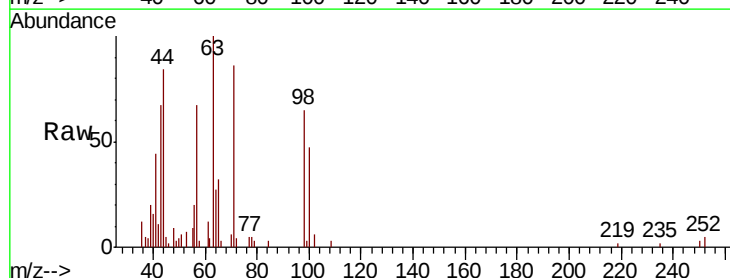
Acq: 29 May 2019 18:59

Tgt Ion: 43 Resp: 6221

Ion Ratio Lower Upper

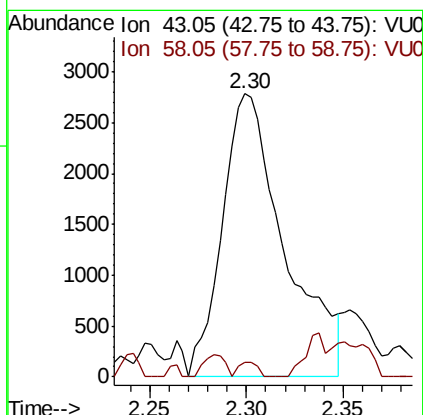
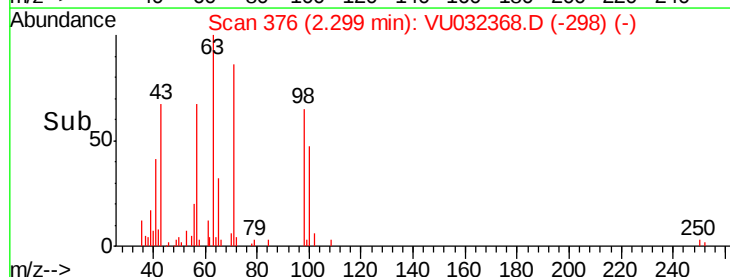
43 100

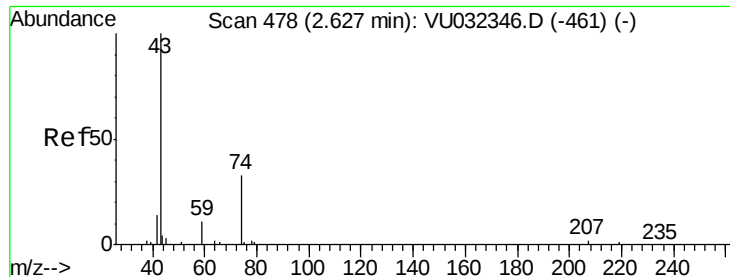
58 1.5 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032368.D (-298) (-)

Ion 58.05 (57.75 to 58.75): VU032368.D (-298) (-)





#15

Methyl Acetate

Concen: 4.575 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.07 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

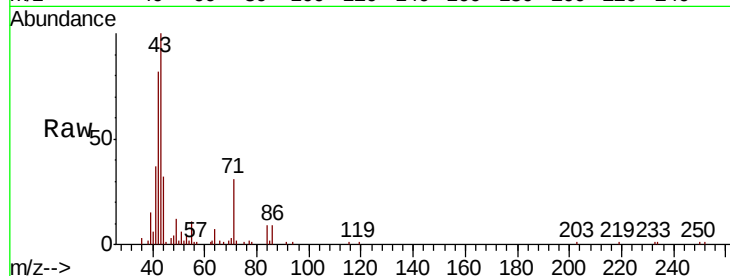
C0C52DL

Tgt Ion: 43 Resp: 27266

Ion Ratio Lower Upper

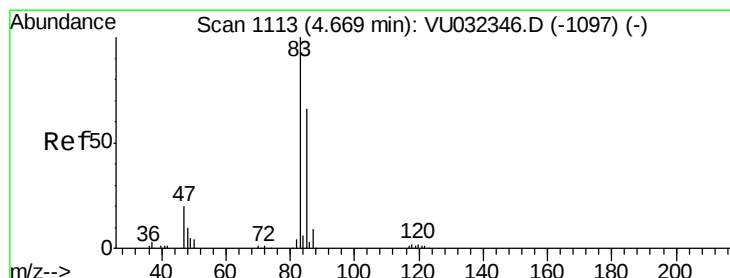
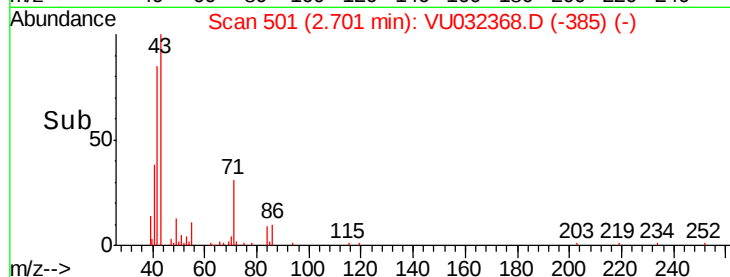
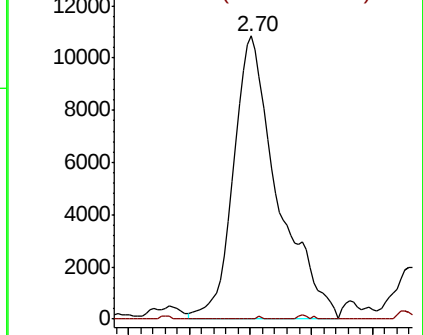
43 100

74 0.1 27.3 40.9#



Abundance Ion 43.05 (42.75 to 43.75): VU032346.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU032346.D (-461) (-)



#25

Chloroform

Concen: 0.374 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032368.D

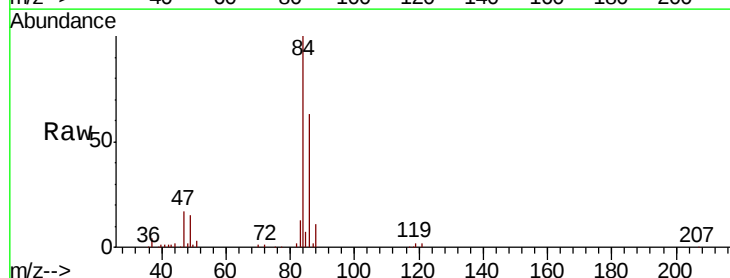
Acq: 29 May 2019 18:59

Tgt Ion: 83 Resp: 9851

Ion Ratio Lower Upper

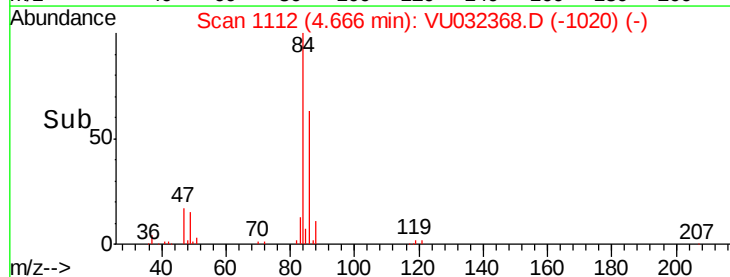
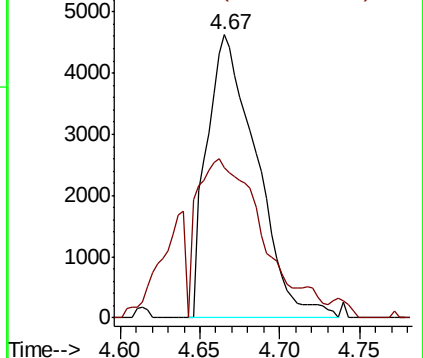
83 100

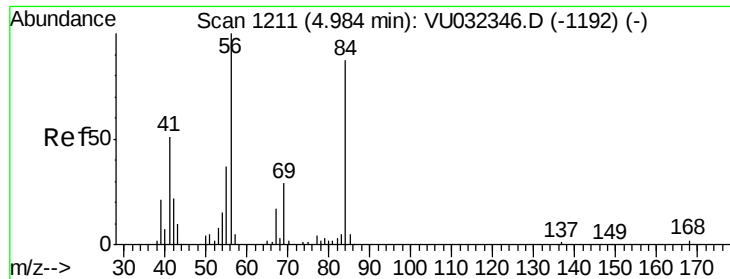
85 53.1 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VU032346.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU032346.D (-1097) (-)

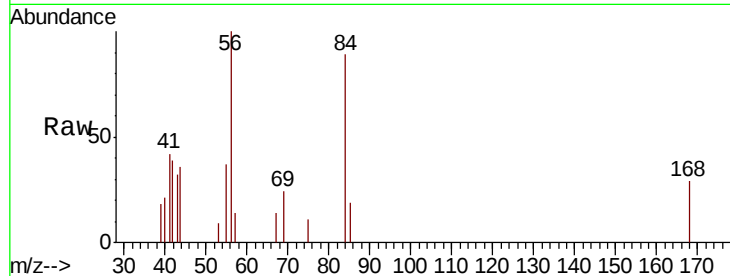




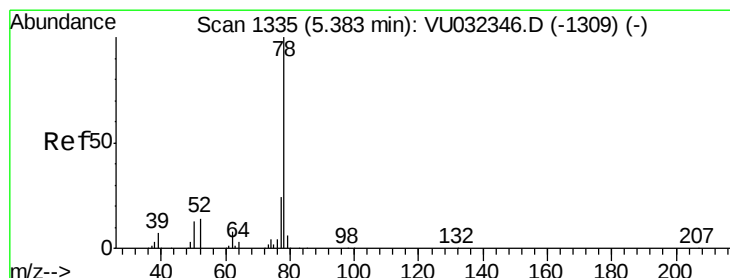
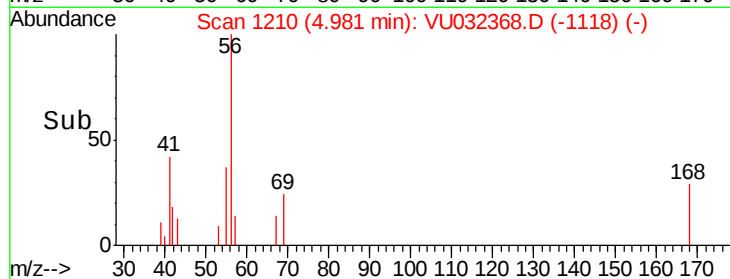
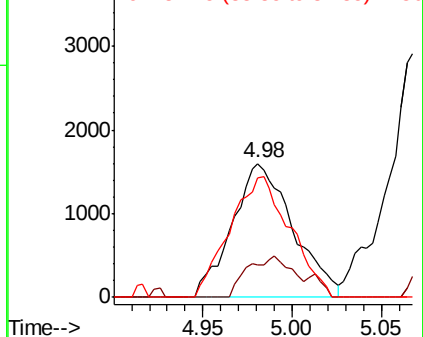
#30
Cyclohexane
Concen: 0.194 ug/L
RT: 4.98 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU032368.D
Acq: 29 May 2019 18:59

Instrument :
MSVOA_U
ClientSampleId :
C0C52DL

Tgt Ion: 56 Resp: 3805
Ion Ratio Lower Upper
56 100
69 22.8 26.6 39.8#
84 89.4 75.0 112.6

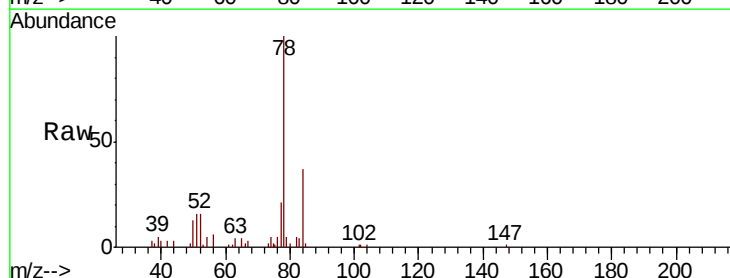


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

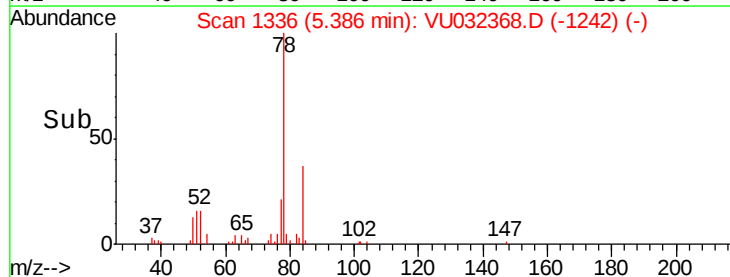
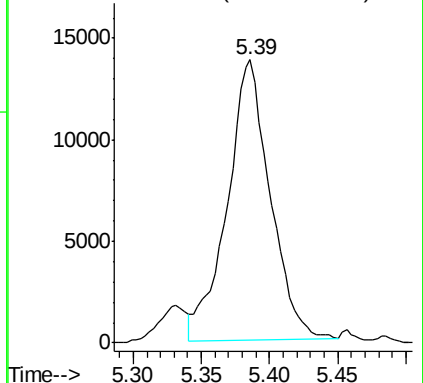


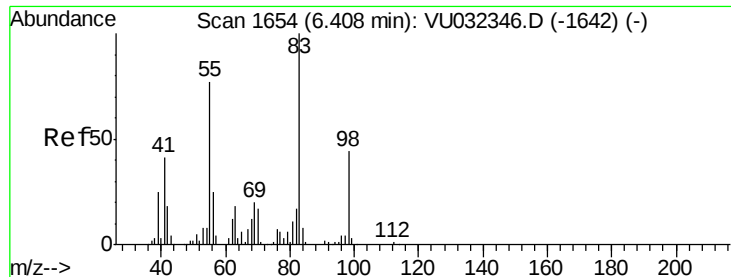
#33
Benzene
Concen: 0.553 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU032368.D
Acq: 29 May 2019 18:59

Tgt Ion: 78 Resp: 30172



Abundance Ion 78.10 (77.80 to 78.80): VU0

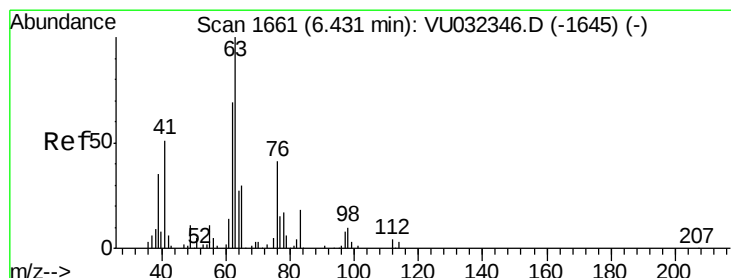
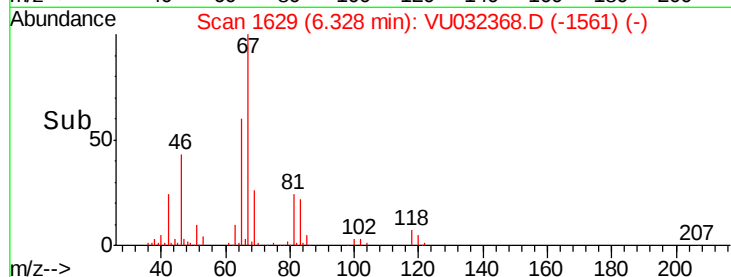
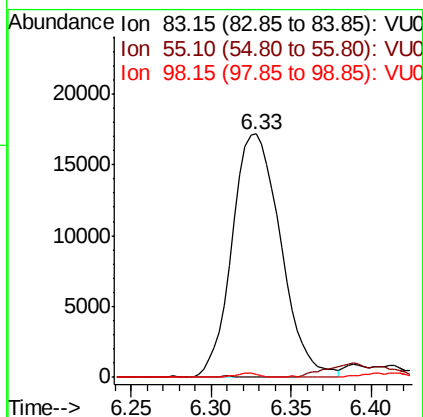
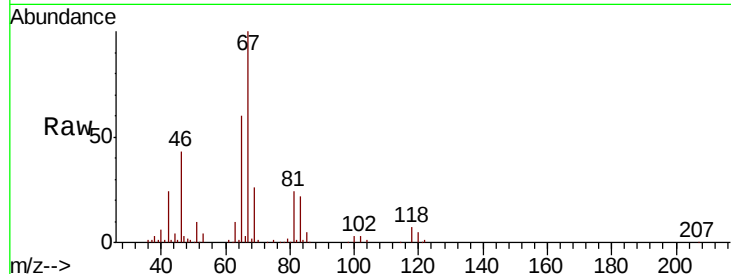




#35
Methylcyclohexane
Concen: 1.655 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032368.D
Acq: 29 May 2019 18:59

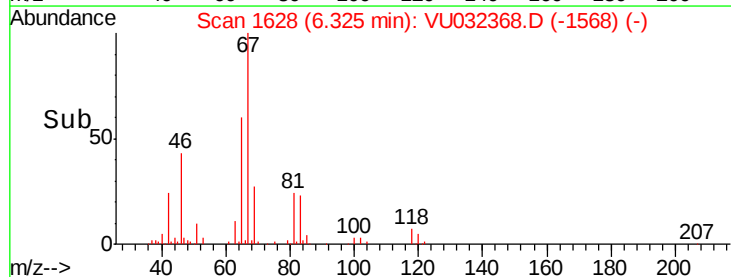
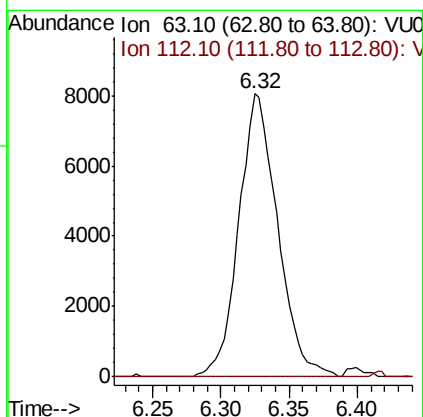
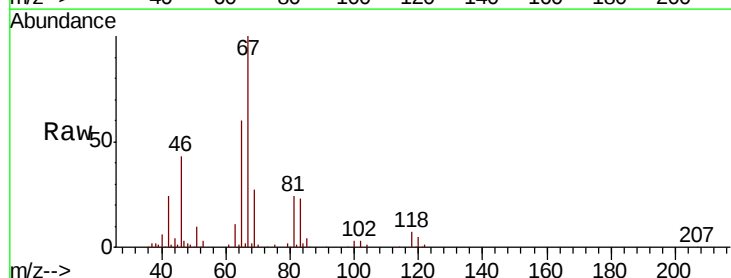
Instrument :
MSVOA_U
ClientSampleId :
C0C52DL

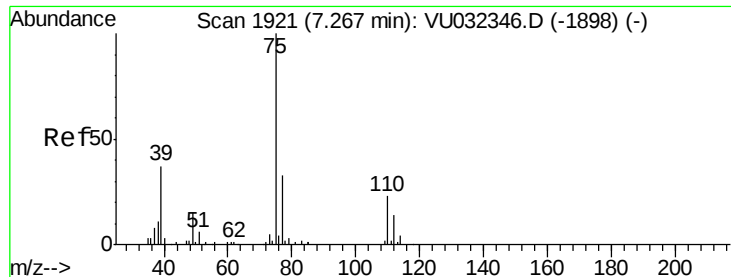
Tgt Ion: 83 Resp: 35701
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 0.7 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 1.215 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VU032368.D
Acq: 29 May 2019 18:59

Tgt Ion: 63 Resp: 15954
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.8#



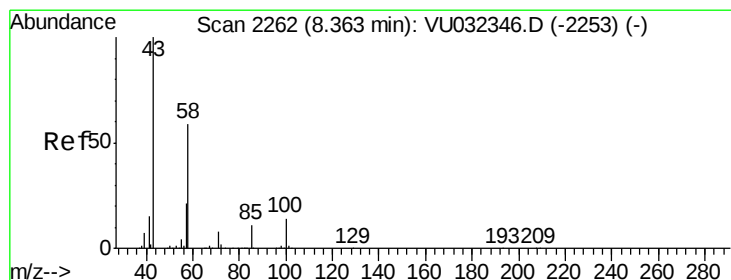
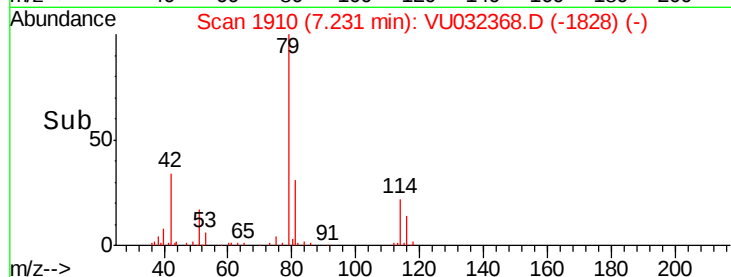
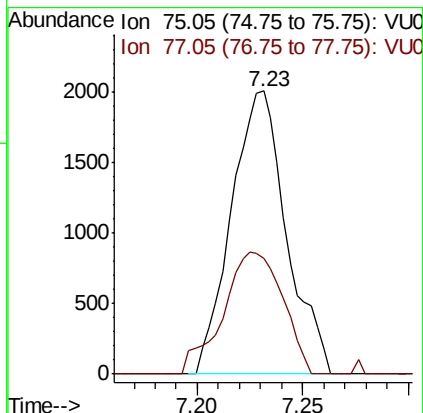
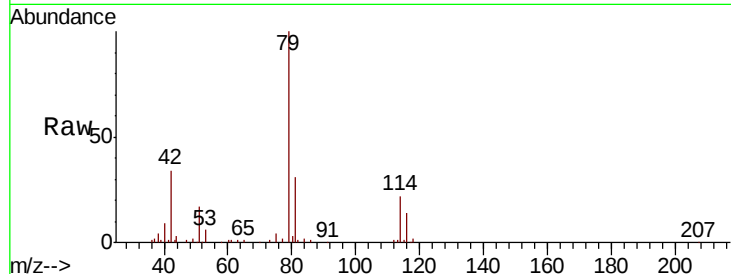


#39

cis-1,3-Dichloropropene
 Concen: 0.196 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.04 min
 Lab File: VU032368.D
 Acq: 29 May 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C52DL

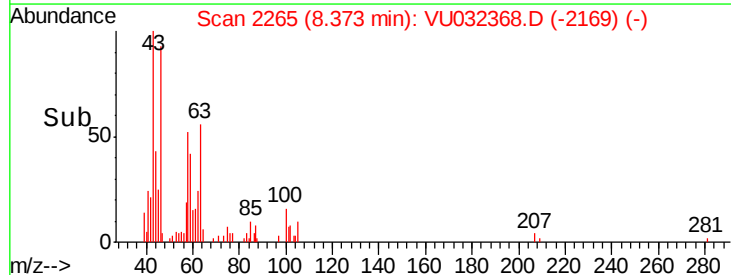
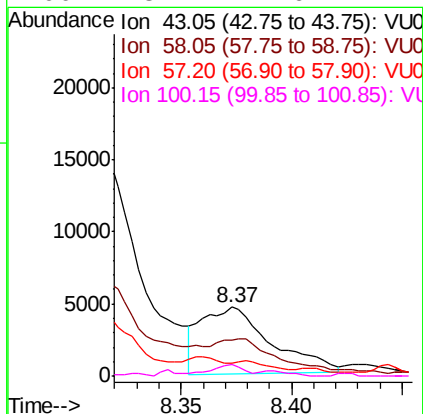
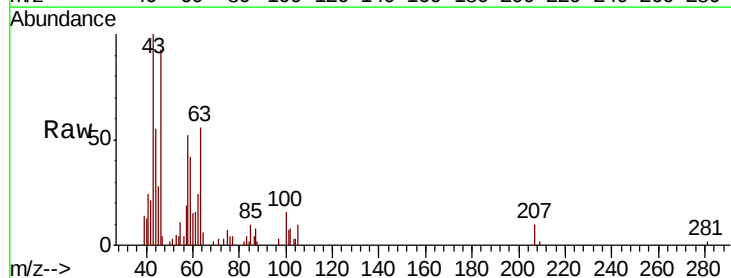
Tgt Ion: 75 Resp: 3662
 Ion Ratio Lower Upper
 75 100
 77 41.0 22.6 42.0

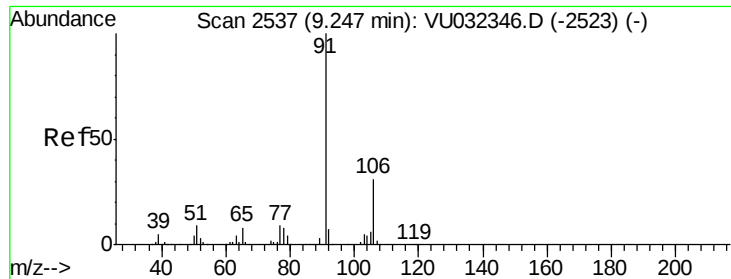


#48

2-Hexanone
 Concen: 2.015 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VU032368.D
 Acq: 29 May 2019 18:59

Tgt Ion: 43 Resp: 10261
 Ion Ratio Lower Upper
 43 100
 58 58.1 49.7 74.5
 57 10.1 17.1 25.7#
 100 8.2 11.6 17.4#





#52

Ethylbenzene

Concen: 8.197 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

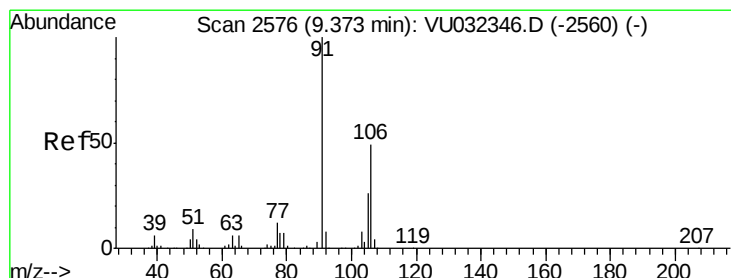
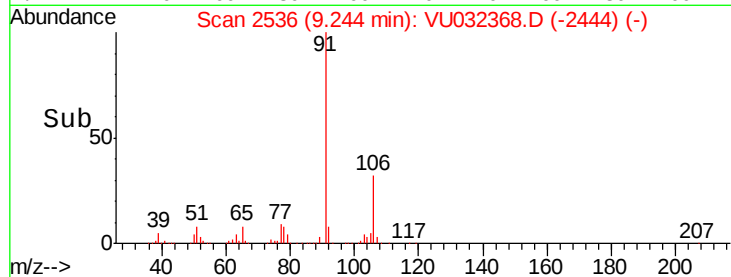
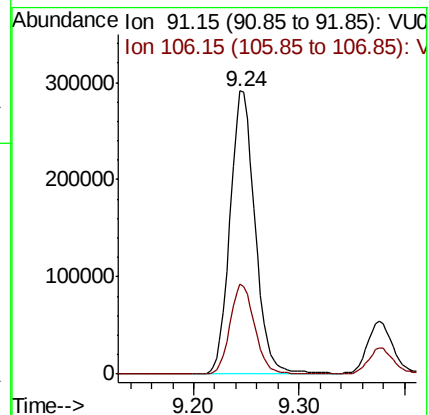
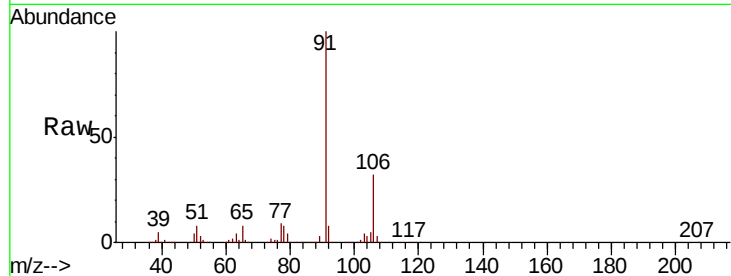
C0C52DL

Tgt Ion: 91 Resp: 478332

Ion Ratio Lower Upper

91 100

106 31.7 20.9 38.9



#53

m,p-Xylene

Concen: 2.030 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032368.D

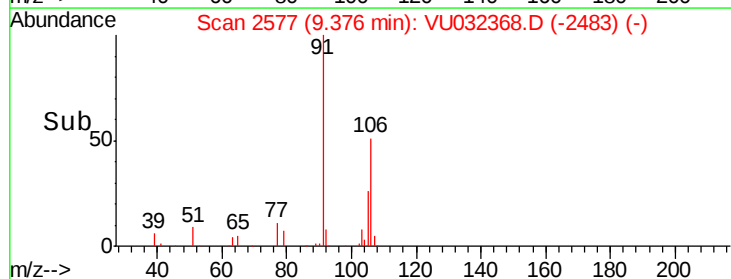
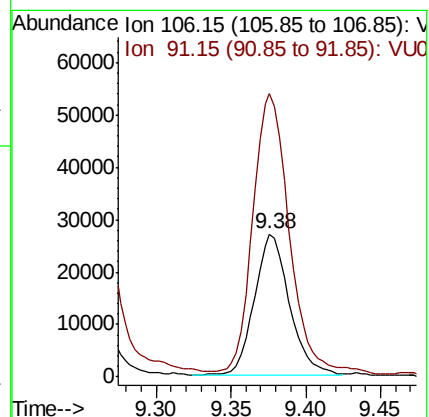
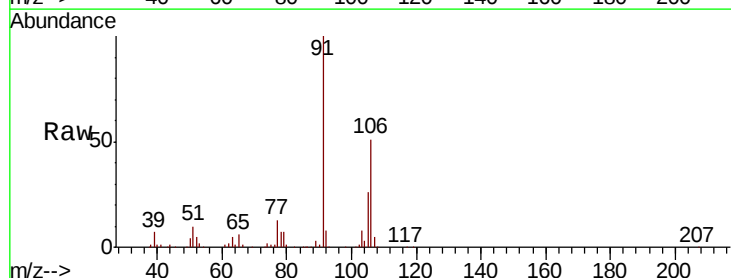
Acq: 29 May 2019 18:59

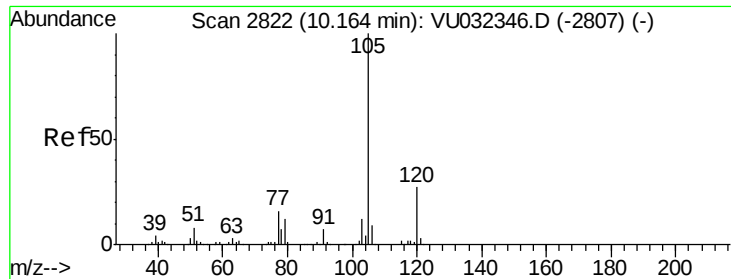
Tgt Ion: 106 Resp: 44049

Ion Ratio Lower Upper

106 100

91 197.7 143.9 267.2





#56

Isopropylbenzene

Concen: 0.831 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

C0C52DL

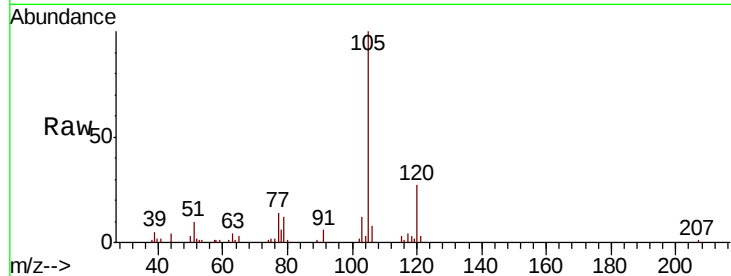
Tgt Ion:105 Resp: 45555

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.6

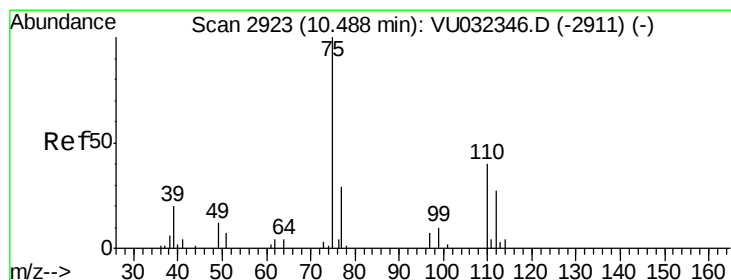
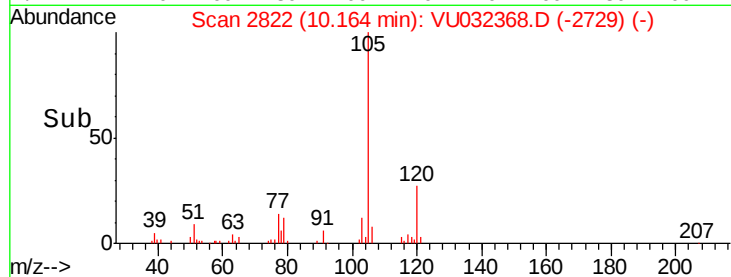
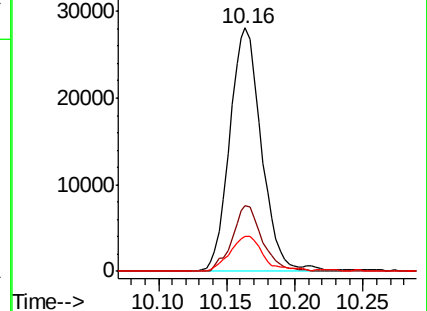
77 15.3 11.9 17.9



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: 2.467 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032368.D

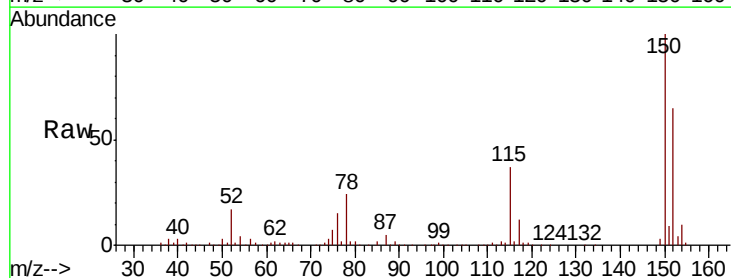
Acq: 29 May 2019 18:59

Tgt Ion: 75 Resp: 21107

Ion Ratio Lower Upper

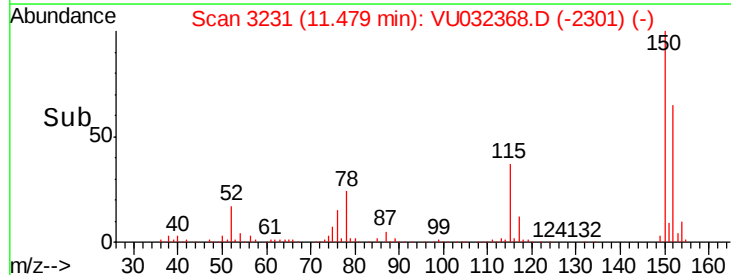
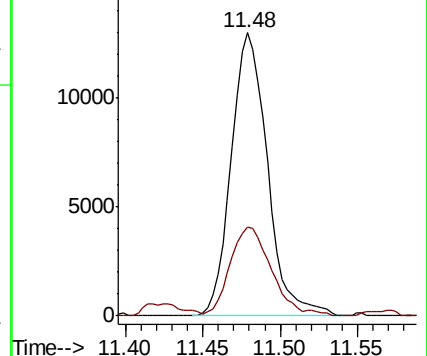
75 100

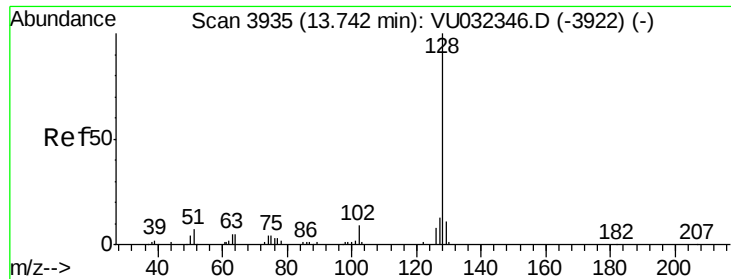
77 35.9 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 1.124 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU032368.D

Acq: 29 May 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

C0C52DL

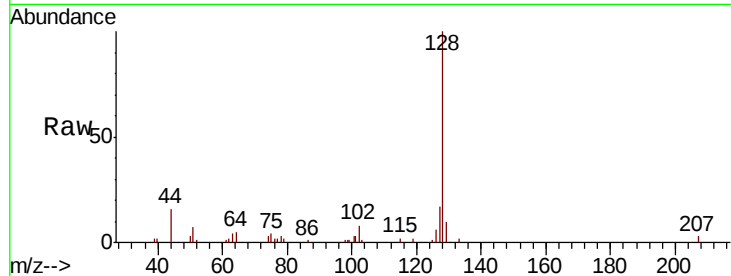
Tgt Ion:128 Resp: 26773

Ion Ratio Lower Upper

128 100

129 10.7 9.2 13.8

127 14.0 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

15000 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

