

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
 Data File : VU032364.D
 Acq On : 29 May 2019 17:20
 Operator : JC/SP
 Sample : K3045-02DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C46DL

Quant Time: May 30 05:40:05 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	426260	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	396959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	202822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	110743	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.67	69	99119	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	165278	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.00%
20) 2-Butanone-d5	4.19	46	306689	45.42	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.84%
24) Chloroform-d	4.64	84	216768	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.80%
26) 1,2-Dichloroethane-d4	5.31	65	112294	3.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.40%#
32) Benzene-d6	5.33	84	463541	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.33	67	142855	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.00%
41) Toluene-d8	7.56	98	428702	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	7.85	79	50580	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	8.31	63	258295	48.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	120062	3.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	66.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	179854	3.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.40%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	3273	0.179 ug/L	96
8) Chloroethane	1.71	64	1535	0.131 ug/L #	56
12) 1,1-Dichloroethene	2.26	96	1685	0.111 ug/L #	1
13) Acetone	2.30	43	128955	61.639 ug/L	51
15) Methyl Acetate	2.70	43	532164	86.689 ug/L #	41
16) Methylene chloride	2.69	84	2923	0.144 ug/L #	1
30) Cyclohexane	5.07	56	409226	21.246 ug/L #	15
33) Benzene	5.38	78	250227	4.660 ug/L	100
35) Methylcyclohexane	6.39	83	24348	1.147 ug/L #	31
38) Bromodichloromethane	6.73	83	3189	0.190 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1981	0.137 ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	47982	4.806 ug/L #	20
48) 2-Hexanone	8.37	43	11055	2.206 ug/L #	78
52) Ethylbenzene	9.25	91	285636	4.973 ug/L	100
53) m,p-Xylene	9.38	106	5665	0.265 ug/L	96
56) Isopropylbenzene	10.16	105	72822	1.350 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	21941	2.606 ug/L	97

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Response via : Initial Calibration

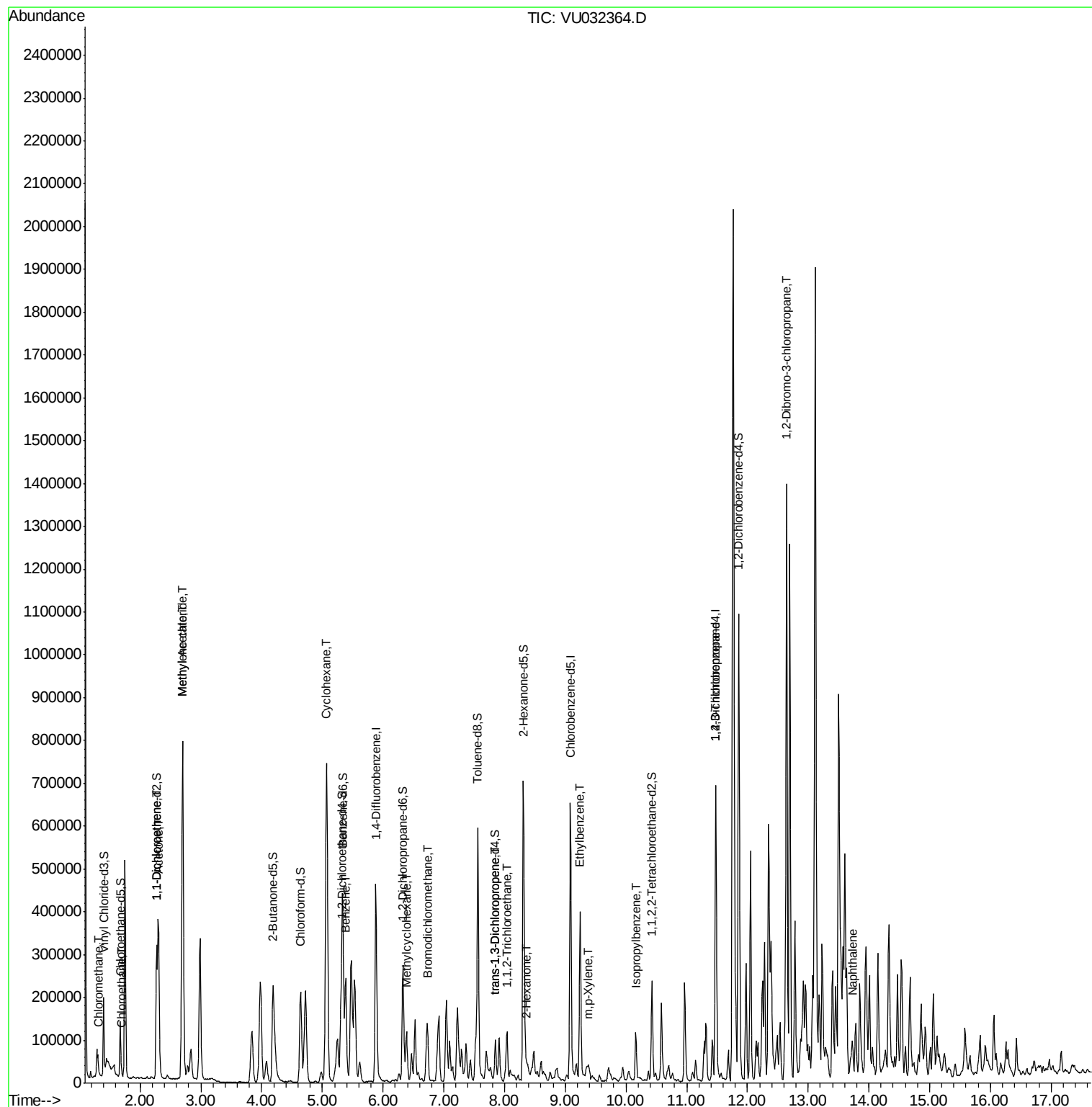
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.65	75	5601	2.854	ug/L #	1
69) Naphthalene	13.74	128	11369	0.462	ug/L #	48

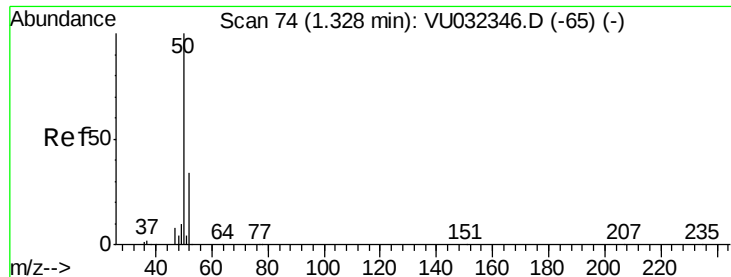
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.179 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

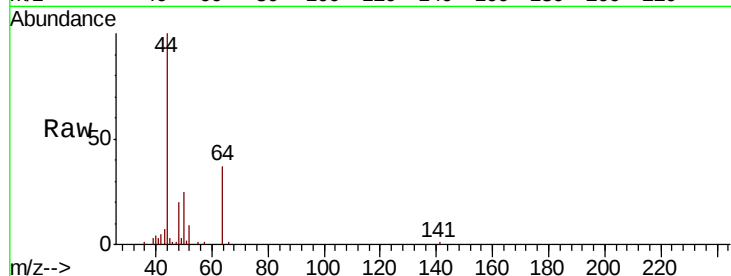
C0C46DL

Tgt Ion: 50 Resp: 3273

Ion Ratio Lower Upper

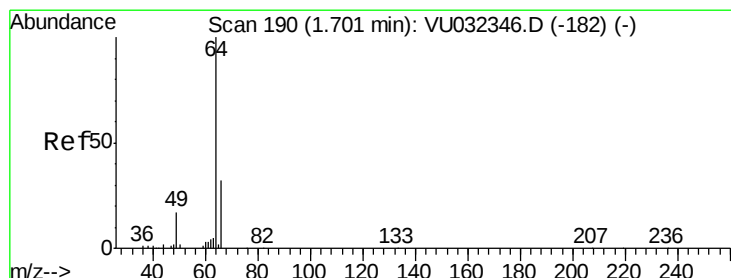
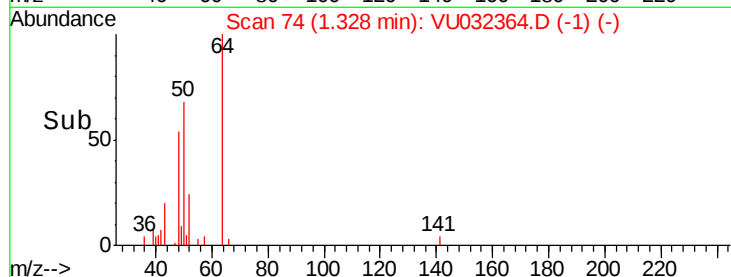
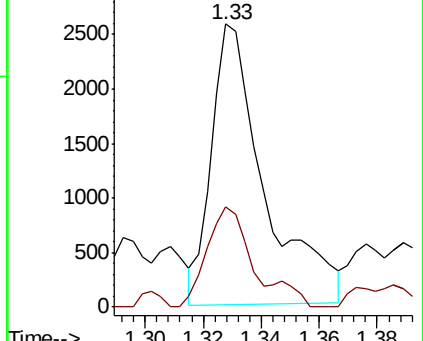
50 100

52 35.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU032364.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032364.D (-65) (-)



#8

Chloroethane

Concen: 0.131 ug/L

RT: 1.71 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU032364.D

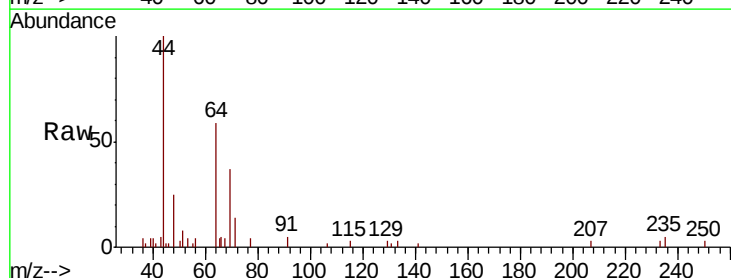
Acq: 29 May 2019 17:20

Tgt Ion: 64 Resp: 1535

Ion Ratio Lower Upper

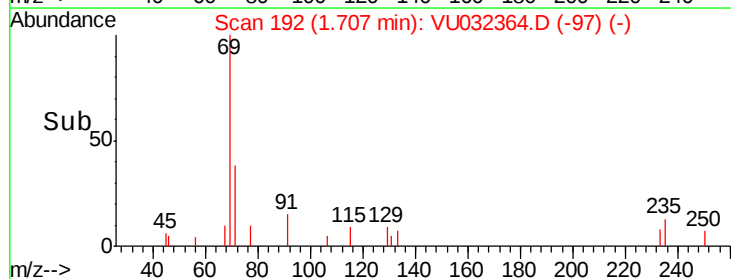
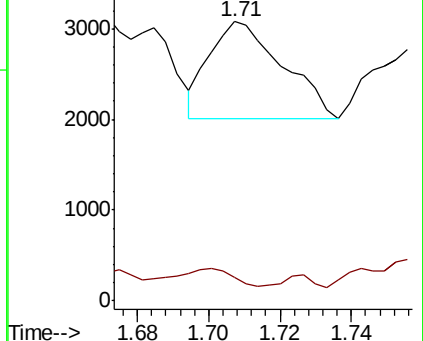
64 100

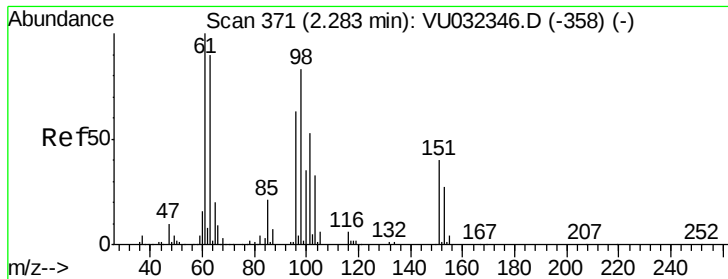
66 8.3 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU032364.D (-182) (-)

Ion 66.05 (65.75 to 66.75): VU032364.D (-182) (-)





#12

1,1-Dichloroethene

Concen: 0.111 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

C0C46DL

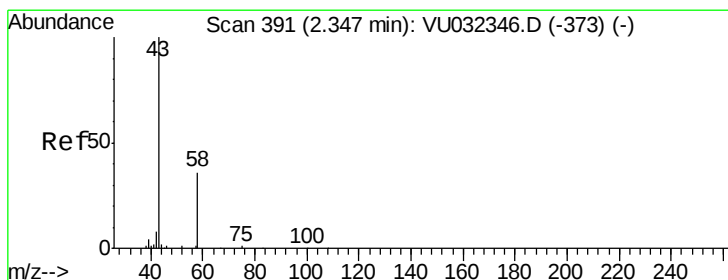
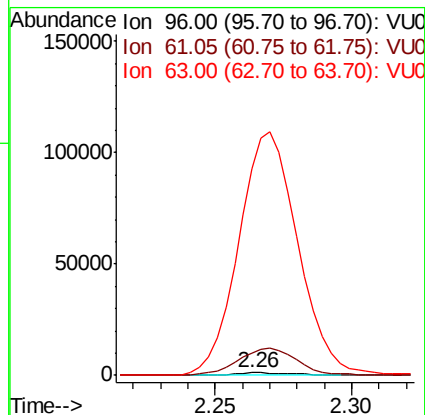
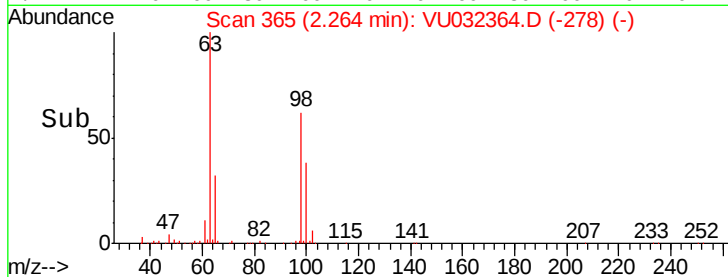
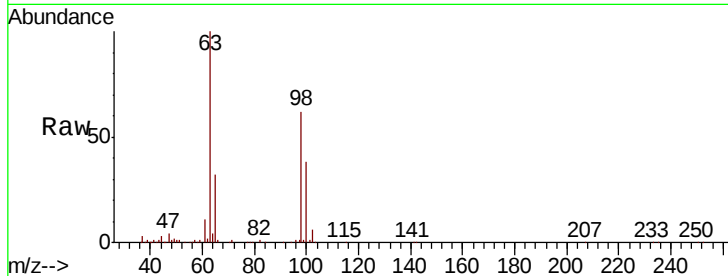
Tgt Ion: 96 Resp: 1685

Ion Ratio Lower Upper

96 100

61 895.7 113.8 211.3#

63 8154.4 108.8 202.2#



#13

Acetone

Concen: 61.639 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.05 min

Lab File: VU032364.D

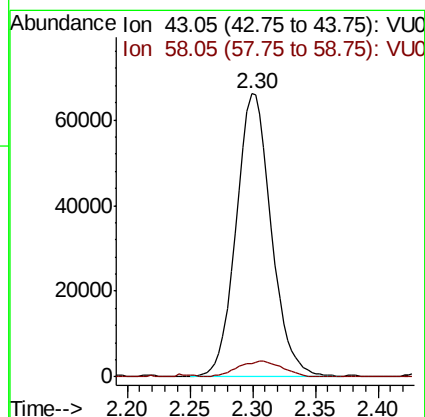
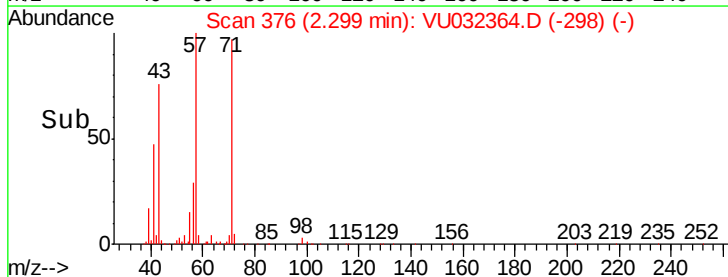
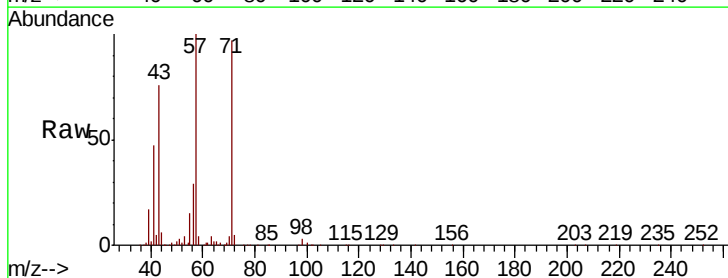
Acq: 29 May 2019 17:20

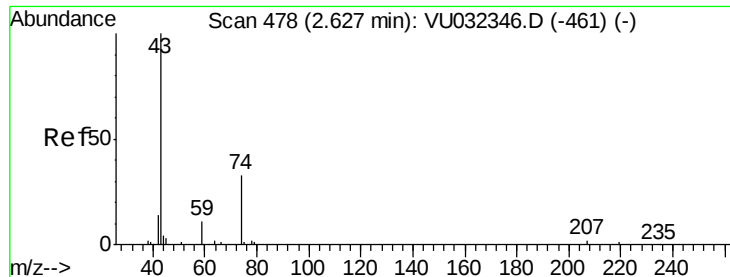
Tgt Ion: 43 Resp: 128955

Ion Ratio Lower Upper

43 100

58 7.2 0.0 72.6





#15

Methyl Acetate

Concen: 86.689 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.07 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

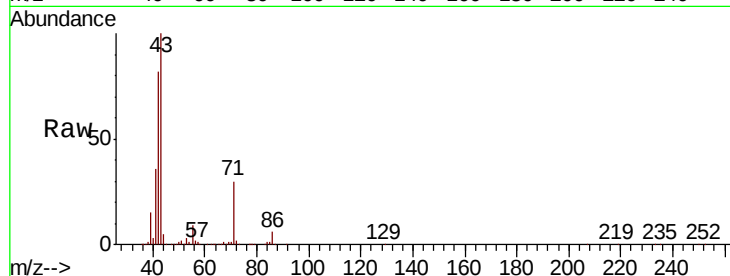
C0C46DL

Tgt Ion: 43 Resp: 532164

Ion Ratio Lower Upper

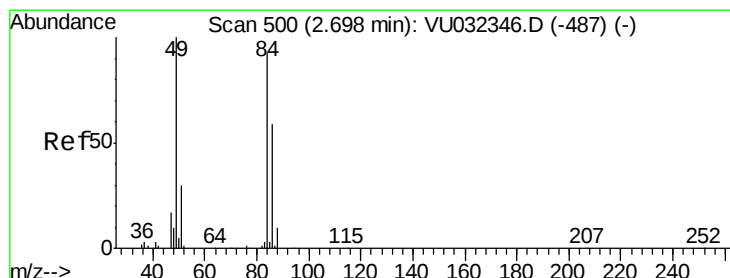
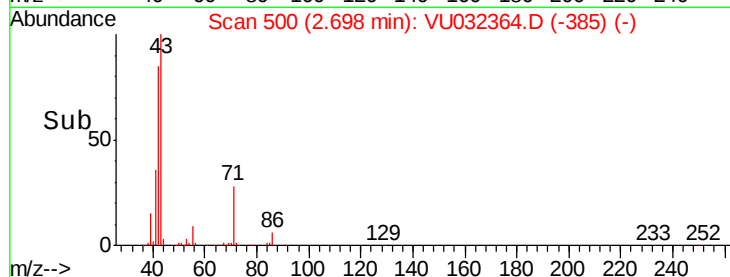
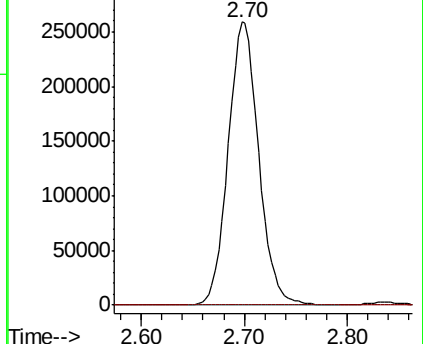
43 100

74 0.0 27.3 40.9#



Abundance Ion 43.05 (42.75 to 43.75): VU032364.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU032364.D (-461) (-)



#16

Methylene chloride

Concen: 0.144 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.01 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

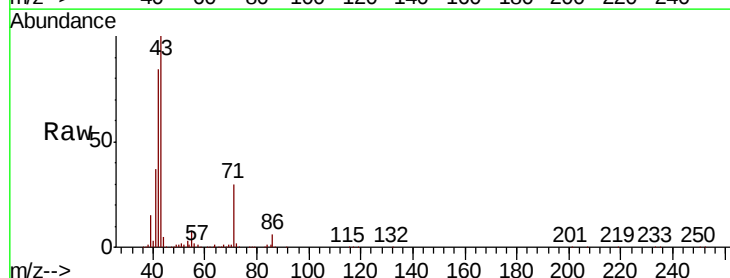
Tgt Ion: 84 Resp: 2923

Ion Ratio Lower Upper

84 100

86 791.7 43.6 81.0#

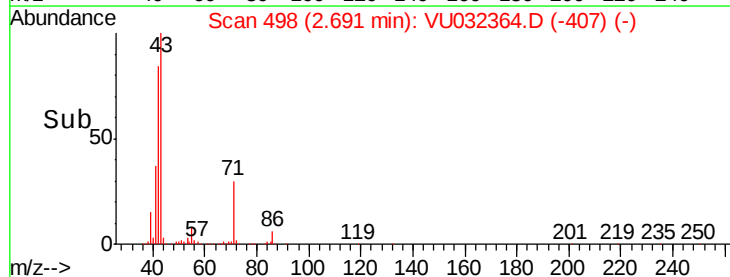
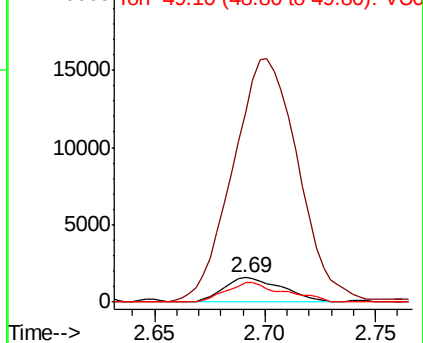
49 80.7 71.1 132.1

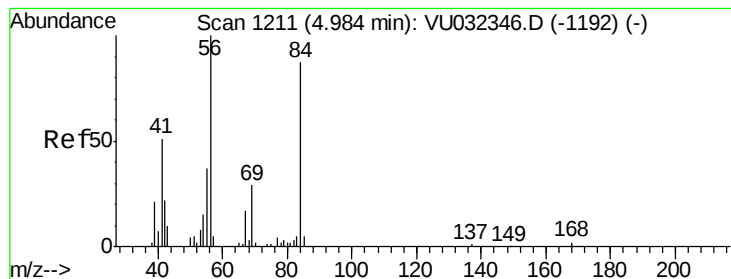


Abundance Ion 84.05 (83.75 to 84.75): VU032364.D (-487) (-)

Ion 86.00 (85.70 to 86.70): VU032364.D (-487) (-)

Ion 49.10 (48.80 to 49.80): VU032364.D (-487) (-)





#30

Cyclohexane

Concen: 21.246 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. 0.09 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

C0C46DL

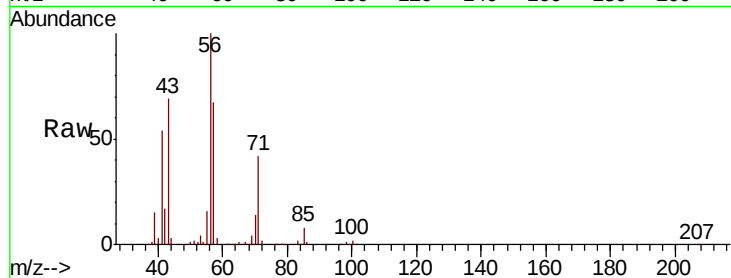
Tgt Ion: 56 Resp: 409226

Ion Ratio Lower Upper

56 100

69 4.8 26.6 39.8#

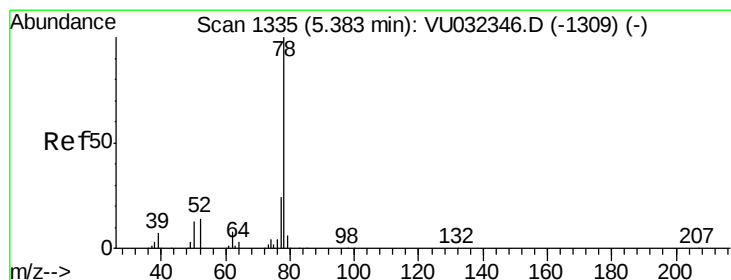
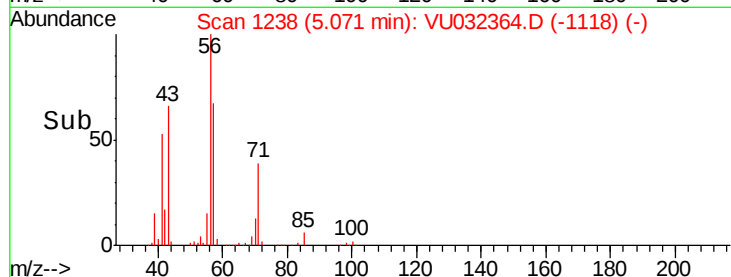
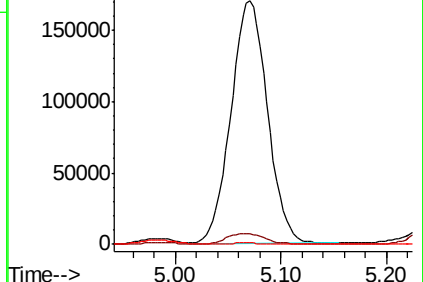
84 0.6 75.0 112.6#



Abundance Ion 56.10 (55.80 to 56.80): VU032364.D (-1238) (-)

Ion 69.15 (68.85 to 69.85): VU032364.D (-1238) (-)

Ion 84.15 (83.85 to 84.85): VU032364.D (-1238) (-)



#33

Benzene

Concen: 4.660 ug/L

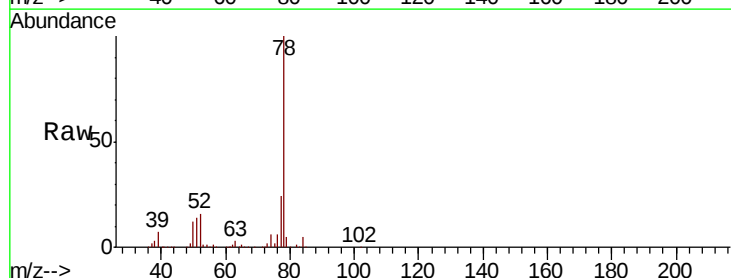
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

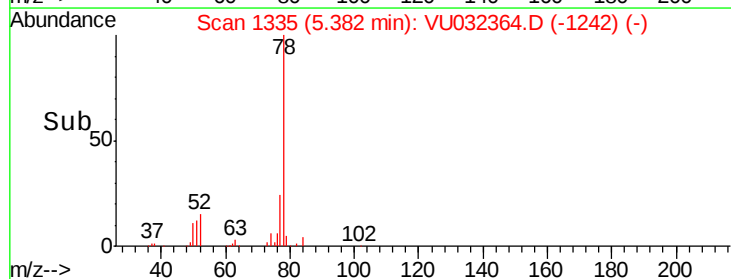
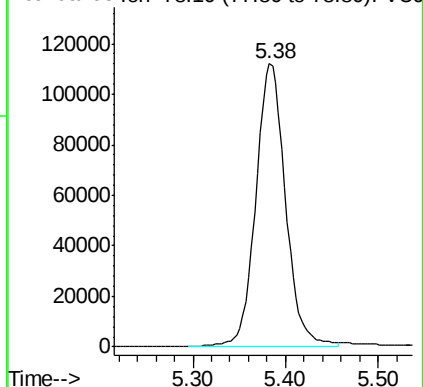
Lab File: VU032364.D

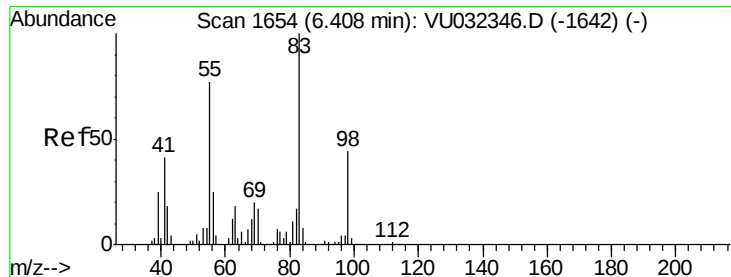
Acq: 29 May 2019 17:20

Tgt Ion: 78 Resp: 250227



Abundance Ion 78.10 (77.80 to 78.80): VU032364.D (-1335) (-)

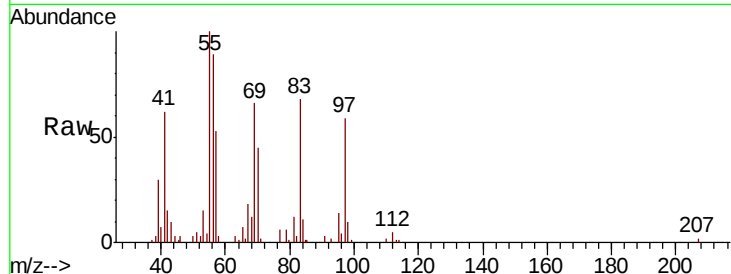




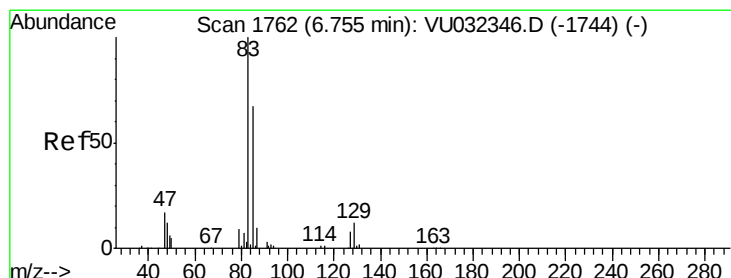
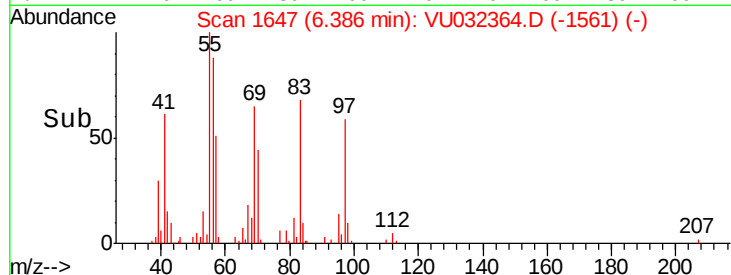
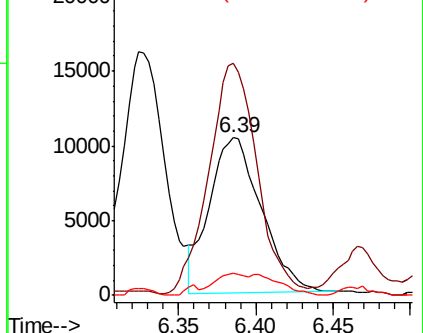
#35
Methylcyclohexane
Concen: 1.147 ug/L
RT: 6.39 min Scan# 1647
Delta R.T. -0.02 min
Lab File: VU032364.D
Acq: 29 May 2019 17:20

Instrument :
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ClientSampleId :
C0C46DL

Tgt Ion: 83 Resp: 24348
Ion Ratio Lower Upper
83 100
55 136.9 59.7 89.5#
98 5.9 37.5 56.3#

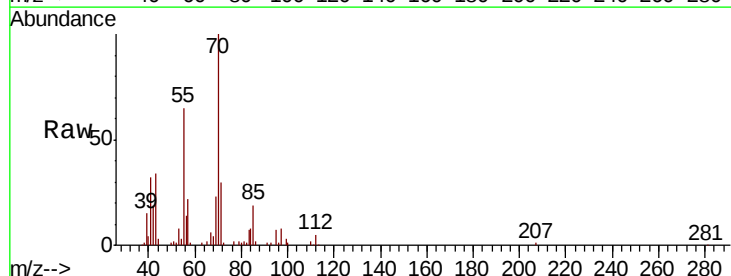


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

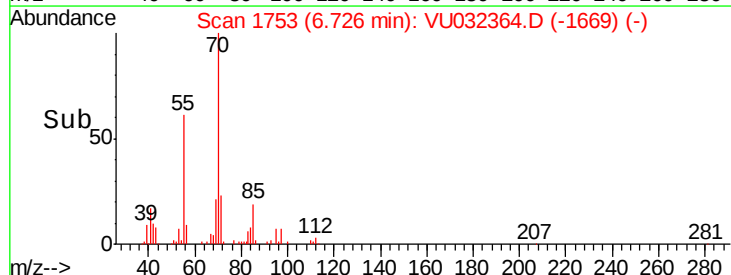
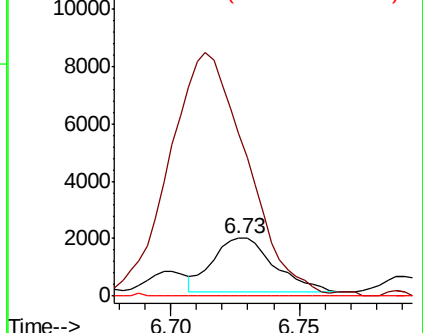


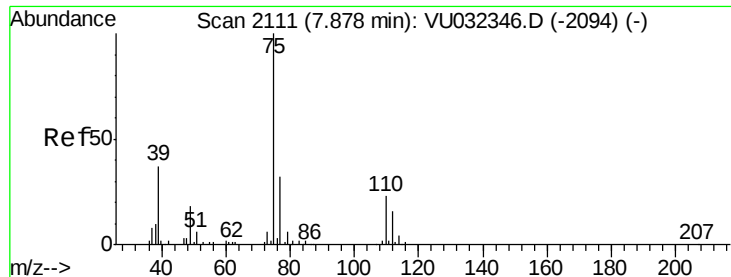
#38
Bromodichloromethane
Concen: 0.190 ug/L
RT: 6.73 min Scan# 1753
Delta R.T. -0.03 min
Lab File: VU032364.D
Acq: 29 May 2019 17:20

Tgt Ion: 83 Resp: 3189
Ion Ratio Lower Upper
83 100
85 280.8 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





#44

trans-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

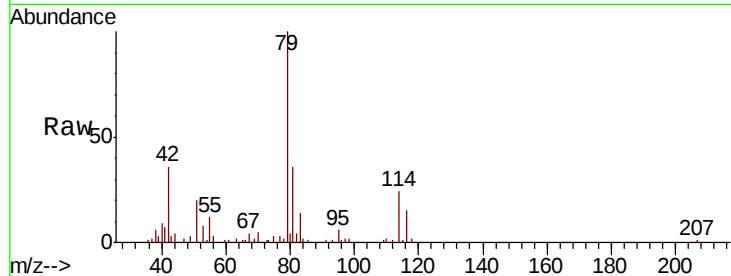
C0C46DL

Tgt Ion: 75 Resp: 1981

Ion Ratio Lower Upper

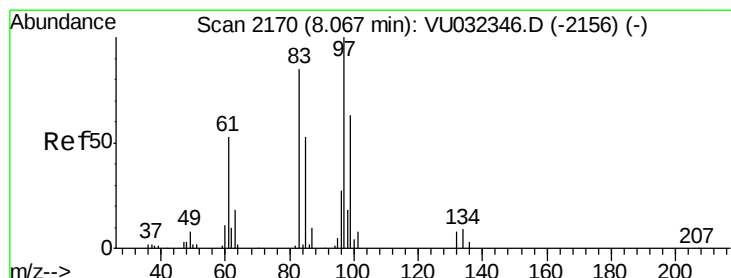
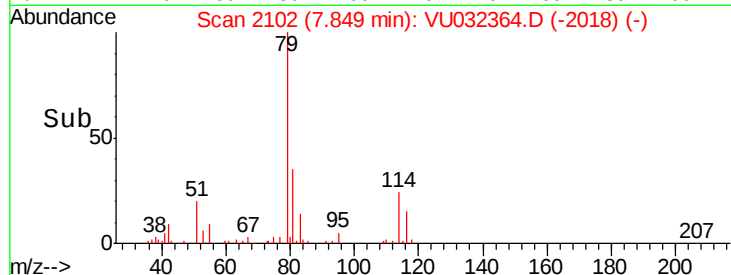
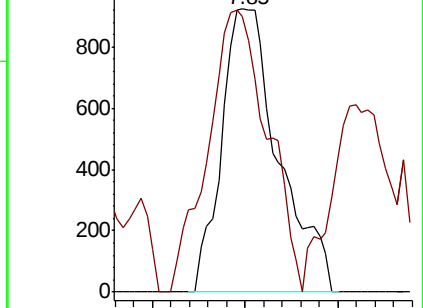
75 100

77 97.3 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU032364.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032364.D (-2094) (-)



#45

1,1,2-Trichloroethane

Concen: 4.806 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.03 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Tgt Ion: 97 Resp: 47982

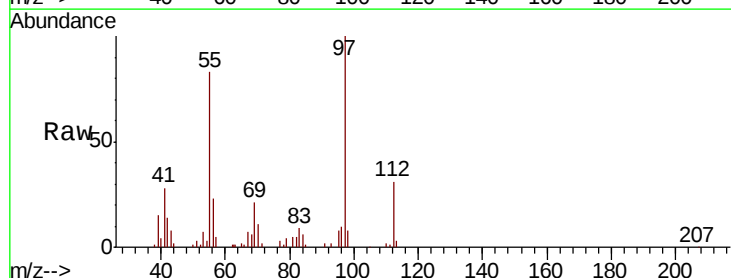
Ion Ratio Lower Upper

97 100

99 0.0 44.2 82.0#

83 9.1 60.5 112.3#

85 0.7 36.3 67.3#

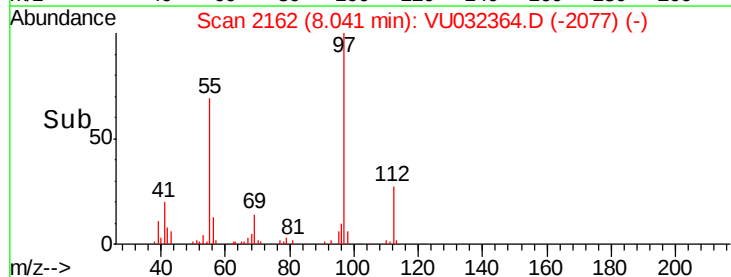
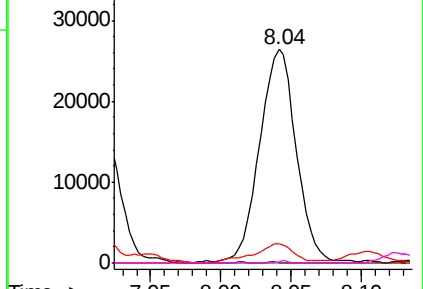


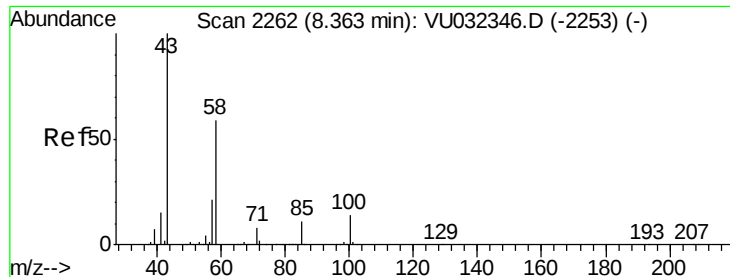
Abundance Ion 96.95 (96.65 to 97.65): VU032364.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU032364.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU032364.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU032364.D (-2156) (-)

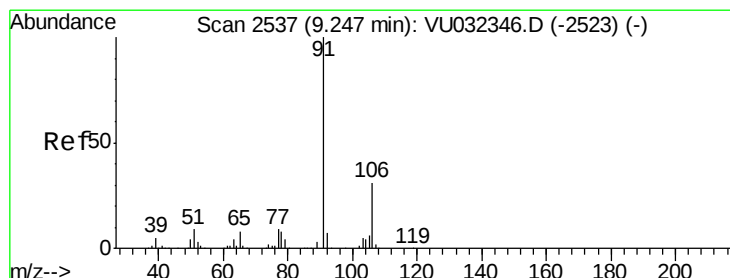
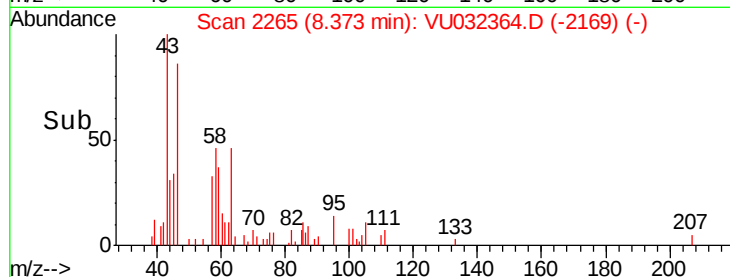
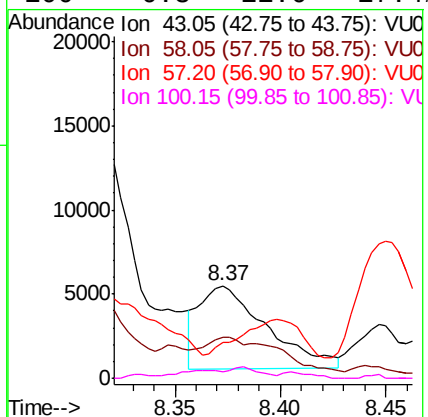
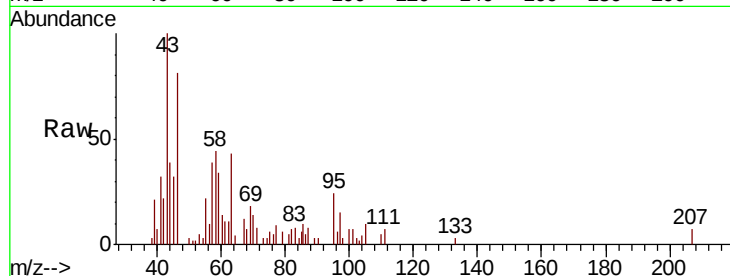




#48
2-Hexanone
Concen: 2.206 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032364.D
Acq: 29 May 2019 17:20

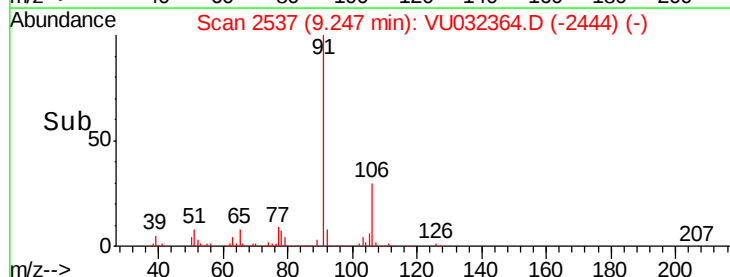
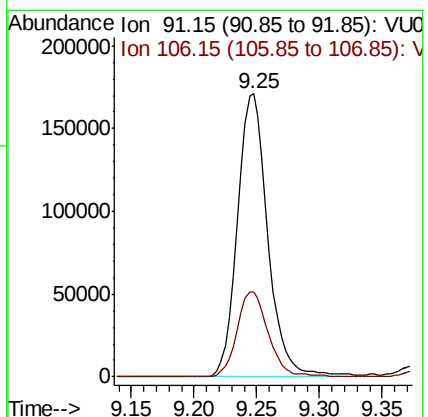
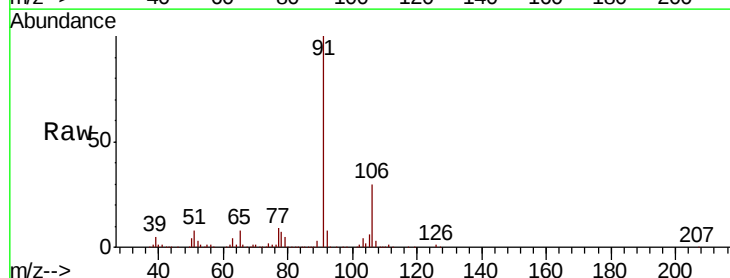
Instrument :
MSVOA_U
ClientSampleId :
C0C46DL

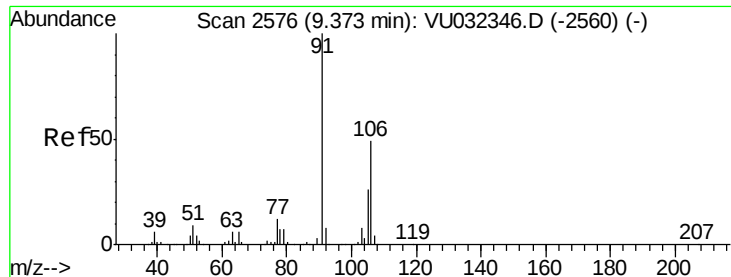
Tgt Ion: 43 Resp: 11055
Ion Ratio Lower Upper
43 100
58 50.6 49.7 74.5
57 0.0 17.1 25.7#
100 6.3 11.6 17.4#



#52
Ethylbenzene
Concen: 4.973 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU032364.D
Acq: 29 May 2019 17:20

Tgt Ion: 91 Resp: 285636
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9





#53

m,p-Xylene

Concen: 0.265 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

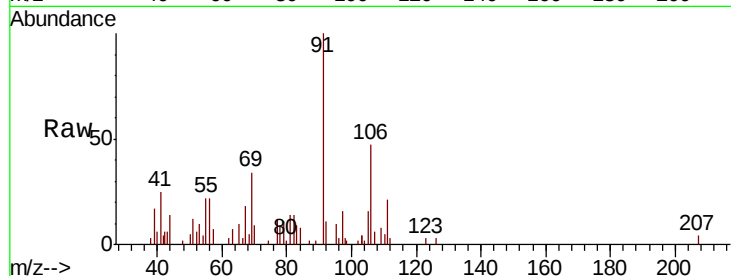
C0C46DL

Tgt Ion:106 Resp: 5665

Ion Ratio Lower Upper

106 100

91 211.9 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

8000

6000

4000

2000

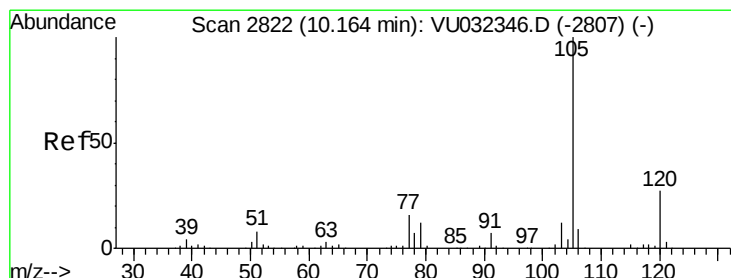
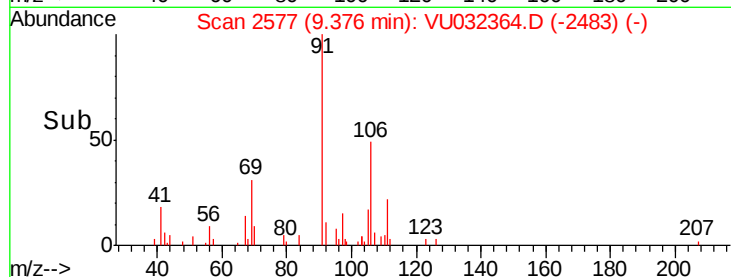
0

9.30

9.35

9.40

Time-->



#56

Isopropylbenzene

Concen: 1.350 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU032364.D

Acq: 29 May 2019 17:20

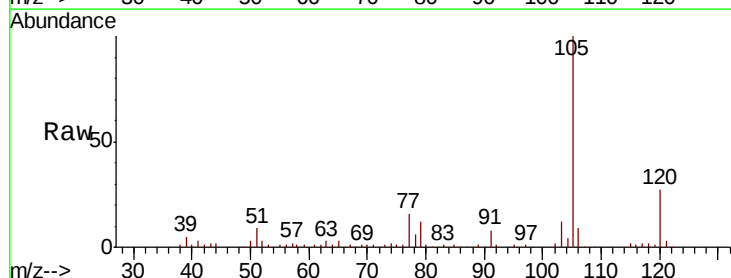
Tgt Ion:105 Resp: 72822

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

77 15.2 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

60000

50000

40000

30000

20000

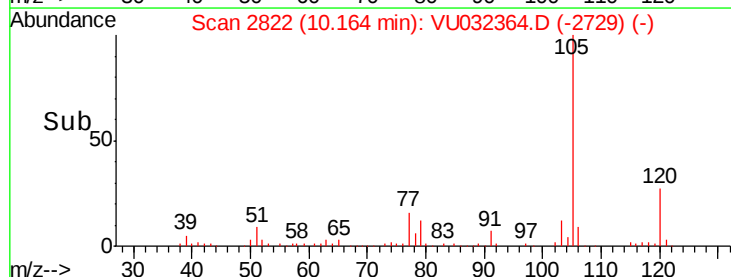
10000

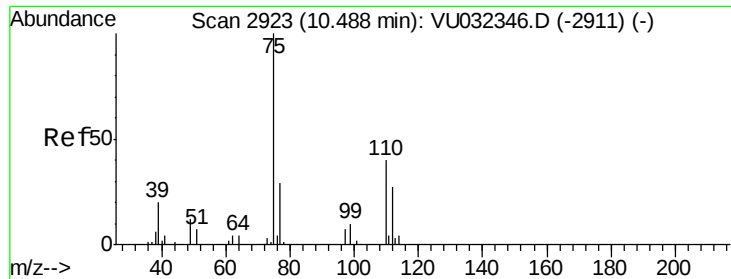
0

10.10

10.20

Time-->

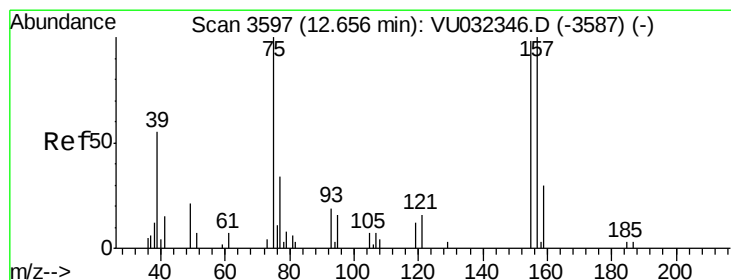
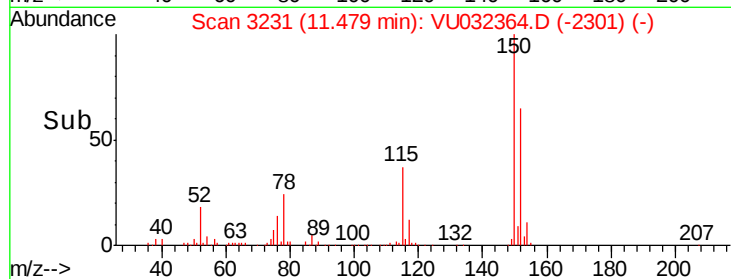
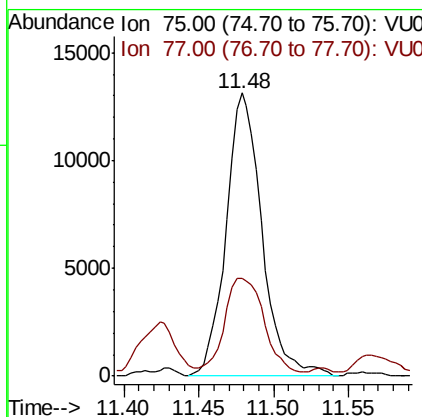
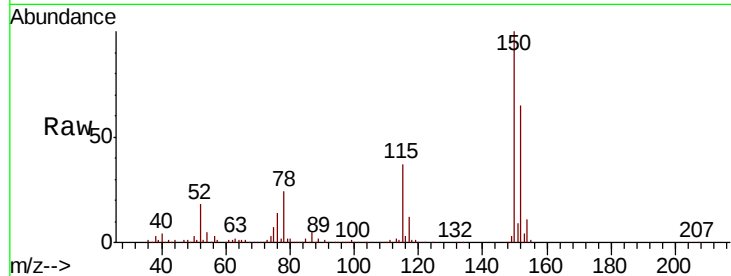




#59
 1,2,3-Trichloropropane
 Concen: 2.606 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032364.D
 Acq: 29 May 2019 17:20

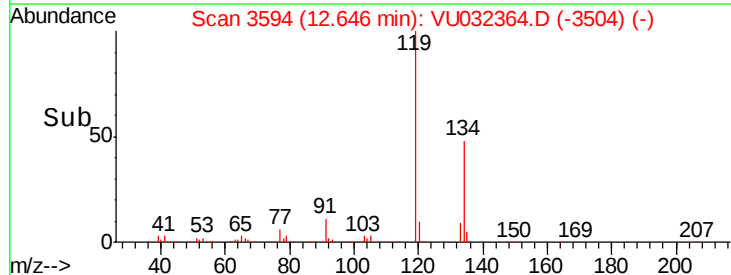
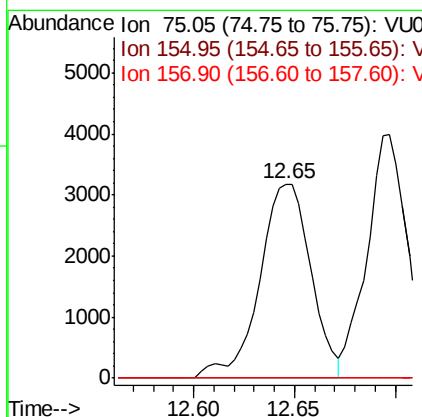
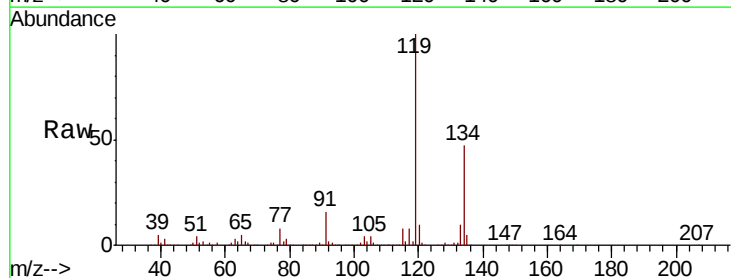
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C46DL

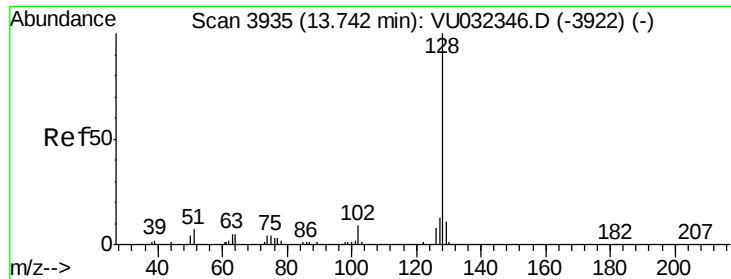
Tgt Ion: 75 Resp: 21941
 Ion Ratio Lower Upper
 75 100
 77 37.1 28.2 42.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.854 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. -0.01 min
 Lab File: VU032364.D
 Acq: 29 May 2019 17:20

Tgt Ion: 75 Resp: 5601
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.3 103.9#
 157 0.0 90.6 135.8#





#69

Naphthalene

Concen: 0.462 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.01 min

Lab File: VU032364.D

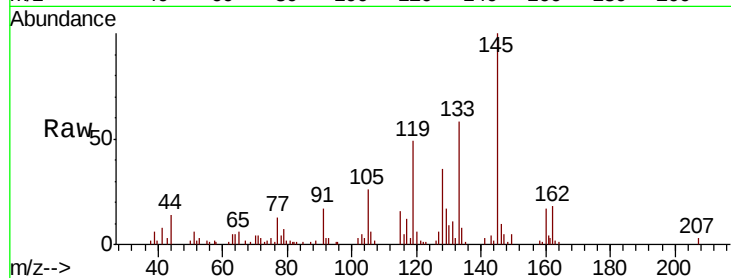
Acq: 29 May 2019 17:20

Instrument :

MSVOA_U

ClientSampleId :

C0C46DL



Tgt Ion:128 Resp: 11369

Ion Ratio Lower Upper

128 100

129 43.8 9.2 13.8#

127 24.1 11.1 16.7#

