

Data File : VU032052.D
Acq On : 16 May 2019 16:30
Operator : JC/SP
Sample : K2739-08DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB886DL

Quant Time: May 17 07:21:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	437296	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	446985	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	211075	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165446	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.67	69	141859	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.27	63	232142	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.19	46	303375	41.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.90%
24) Chloroform-d	4.64	84	275879	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.31	65	142003	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.33	84	597740	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.33	67	172952	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.56	98	543786	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	58989	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.31	63	274241	42.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	137490	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	205185	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.26	96	2069	0.118 ug/L #	1
13) Acetone	2.32	43	7269	3.062 ug/L	90
15) Methyl Acetate	2.73	43	19782	2.906 ug/L #	42
16) Methylene chloride	2.69	84	2419	0.115 ug/L	82
18) trans-1,2-Dichloroethene	2.97	96	1996	0.106 ug/L	87
25) Chloroform	4.67	83	5148	0.161 ug/L	95
30) Cyclohexane	4.98	56	56652	2.362 ug/L	93
35) Methylcyclohexane	6.41	83	150208	5.603 ug/L	93
38) Bromodichloromethane	6.72	83	1605	0.075 ug/L #	42
39) cis-1,3-Dichloropropene	7.22	75	4130	0.178 ug/L #	81
44) trans-1,3-Dichloropropene	7.85	75	2700	0.150 ug/L #	12
45) 1,1,2-Trichloroethane	8.04	97	40114	3.236 ug/L #	21
48) 2-Hexanone	8.37	43	14229	2.358 ug/L #	82
52) Ethylbenzene	9.25	91	12578	0.174 ug/L	94
56) Isopropylbenzene	10.16	105	478882	7.097 ug/L	99
59) 1,2,3-Trichloropropane	10.58	75	6498	0.610 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.65	75	3544	1.592 ug/L #	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

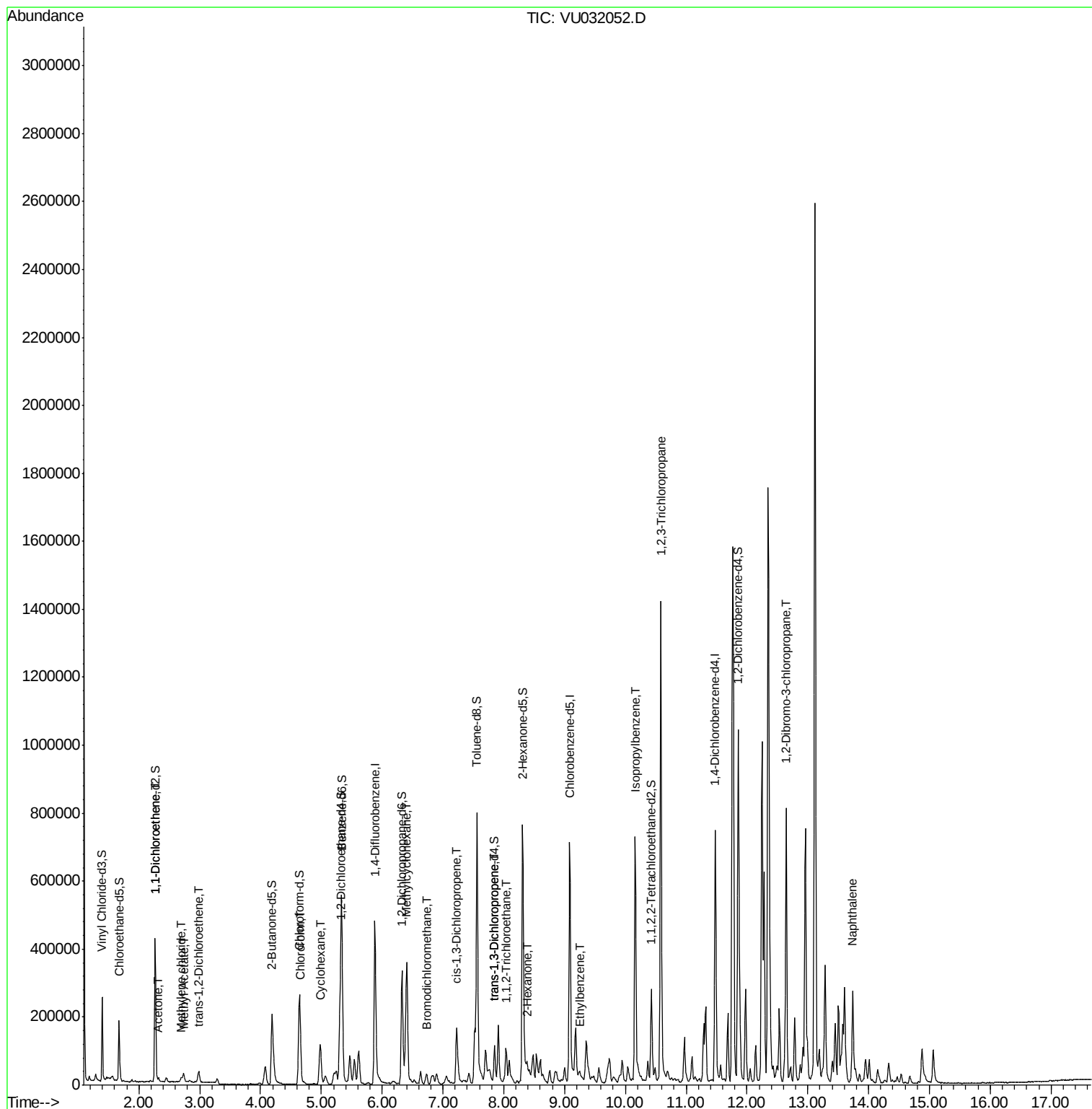
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.74	128	234692	8.720	ug/L	96

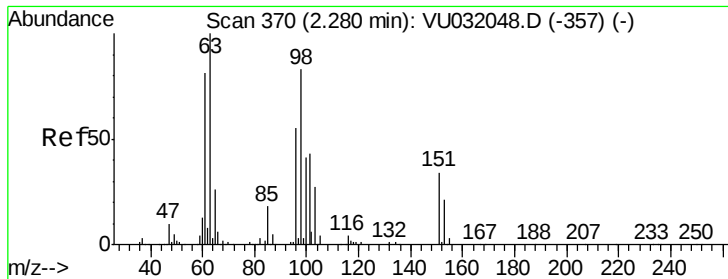
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.118 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleID :

DB886DL

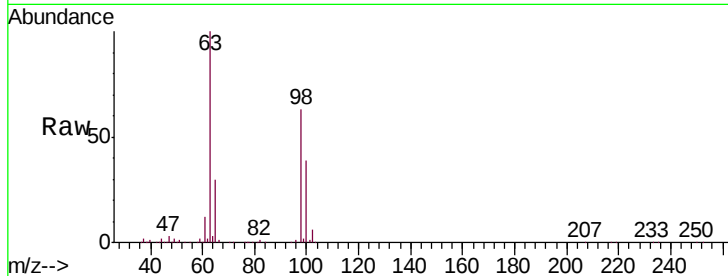
Tgt Ion: 96 Resp: 2069

Ion Ratio Lower Upper

96 100

61 1324.4 111.7 207.5#

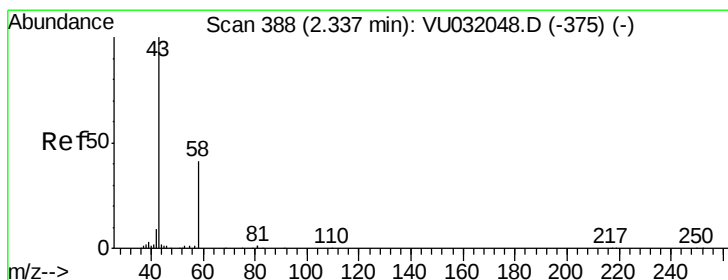
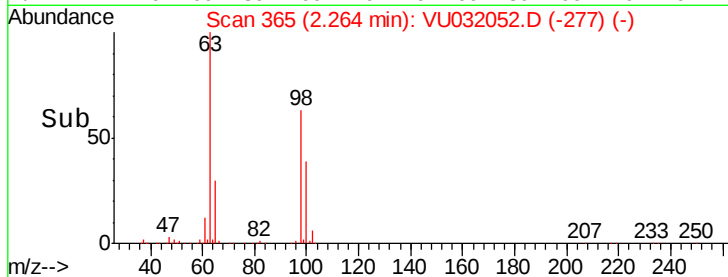
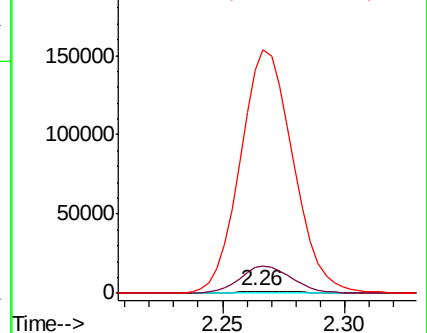
63 11486.5 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU032052.D (-277) (-)

Ion 61.05 (60.75 to 61.75): VU032052.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU032052.D (-277) (-)



#13

Acetone

Concen: 3.062 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032052.D

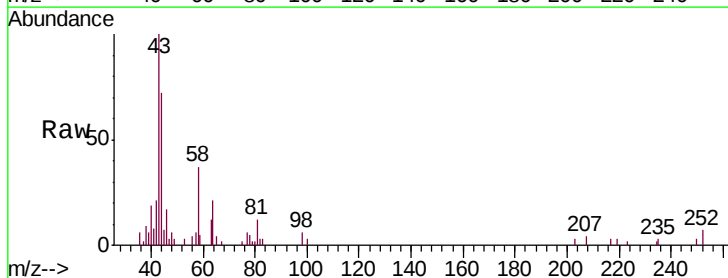
Acq: 16 May 2019 16:30

Tgt Ion: 43 Resp: 7269

Ion Ratio Lower Upper

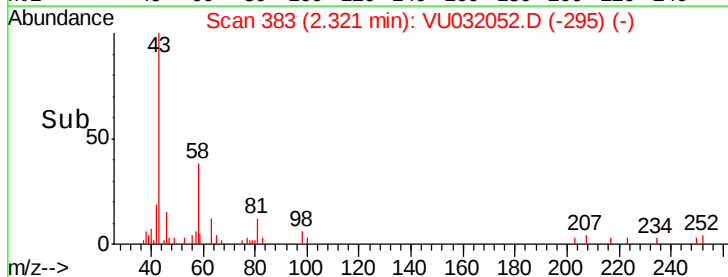
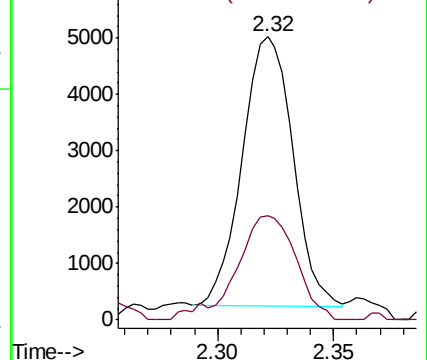
43 100

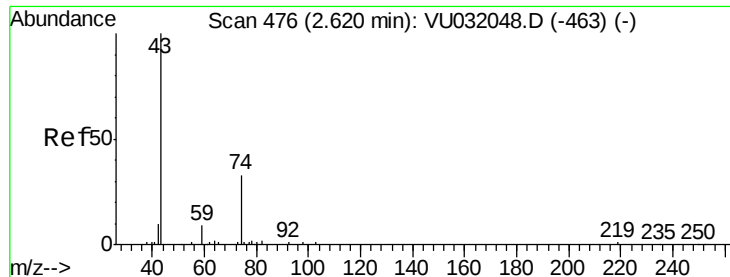
58 45.5 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032052.D (-295) (-)

Ion 58.05 (57.75 to 58.75): VU032052.D (-295) (-)





#15

Methyl Acetate

Concen: 2.906 ug/L

RT: 2.73 min Scan# 511

Delta R.T. 0.11 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

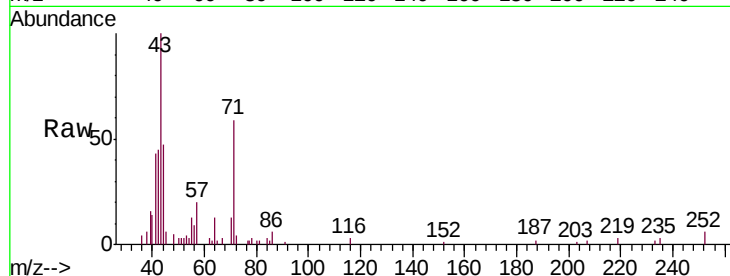
DB886DL

Tgt Ion: 43 Resp: 19782

Ion Ratio Lower Upper

43 100

74 0.2 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU032048.D (-463) (-)

2.73

8000

6000

4000

2000

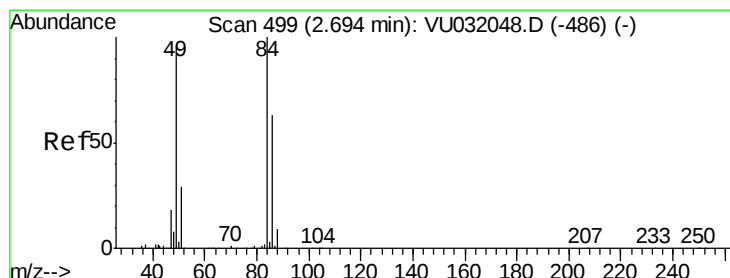
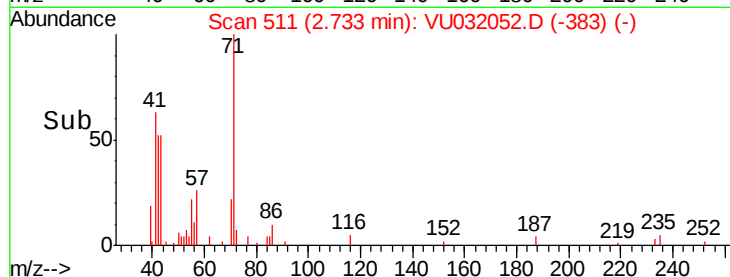
0

Time-->

2.60

2.70

2.80



#16

Methylene chloride

Concen: 0.115 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

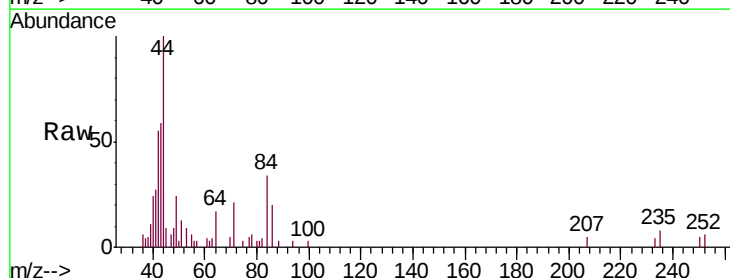
Tgt Ion: 84 Resp: 2419

Ion Ratio Lower Upper

84 100

86 57.8 43.1 80.1

49 71.5 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032048.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032048.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU032048.D (-486) (-)

2000

1500

1000

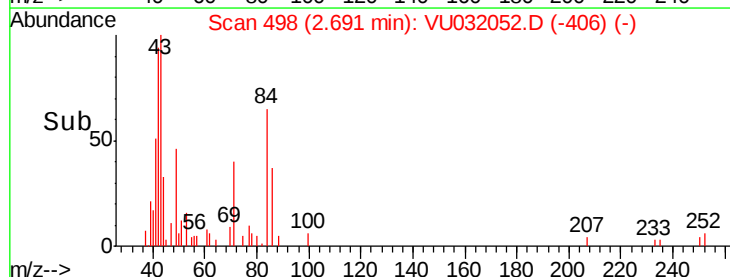
500

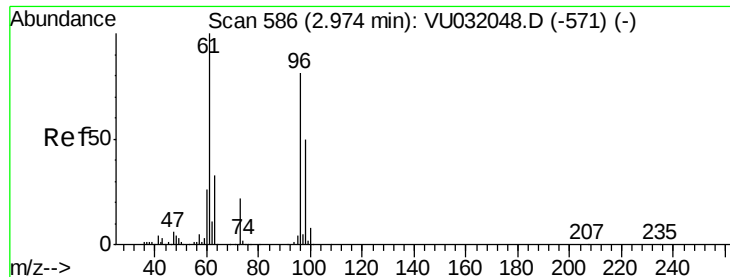
0

Time-->

2.65

2.70





#18

trans-1,2-Dichloroethene

Concen: 0.106 ug/L

RT: 2.97 min Scan# 584

Delta R.T. -0.01 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

DB886DL

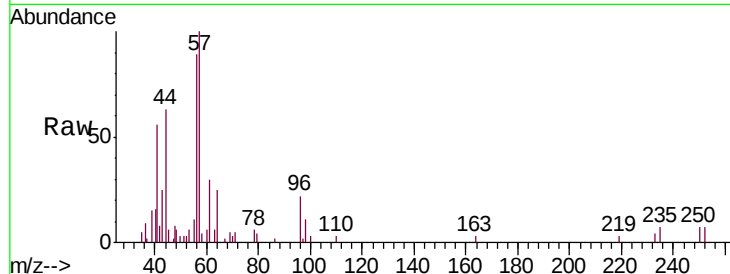
Tgt Ion: 96 Resp: 1996

Ion Ratio Lower Upper

96 100

61 135.2 86.5 160.7

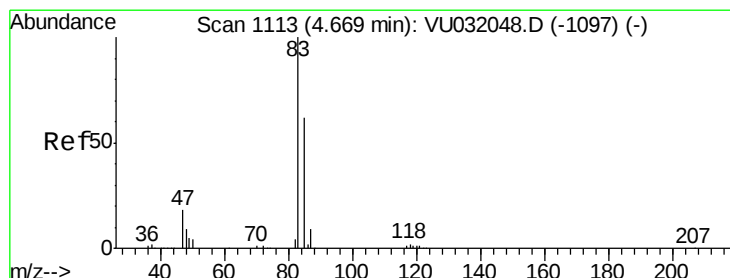
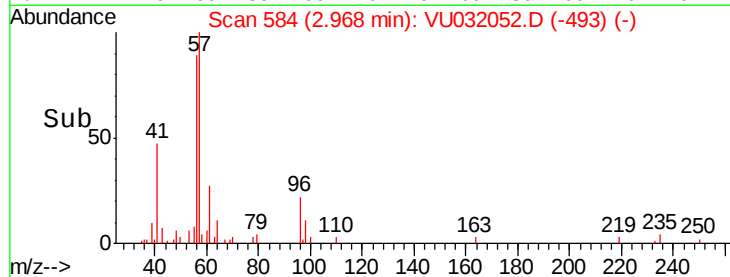
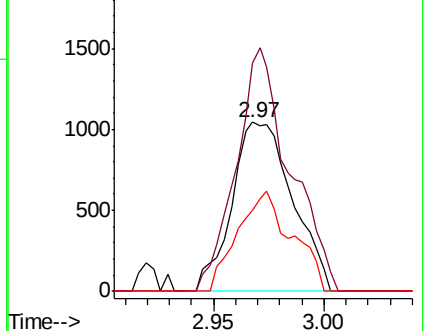
98 48.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU032048.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU032048.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU032048.D (-571) (-)



#25

Chloroform

Concen: 0.161 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032052.D

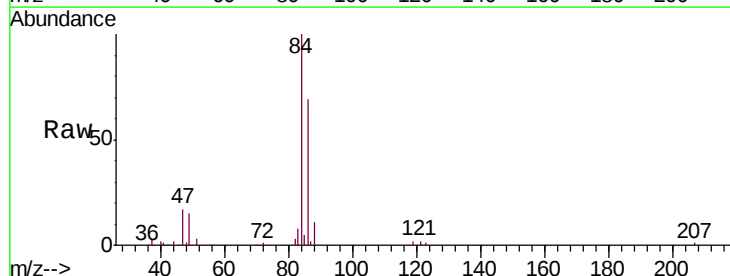
Acq: 16 May 2019 16:30

Tgt Ion: 83 Resp: 5148

Ion Ratio Lower Upper

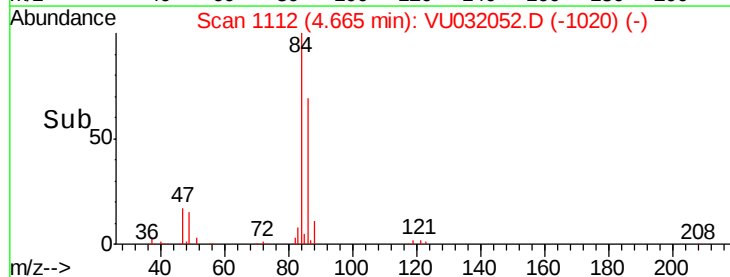
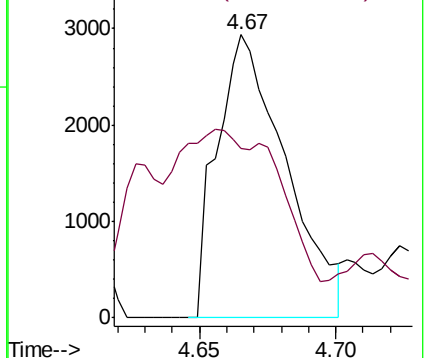
83 100

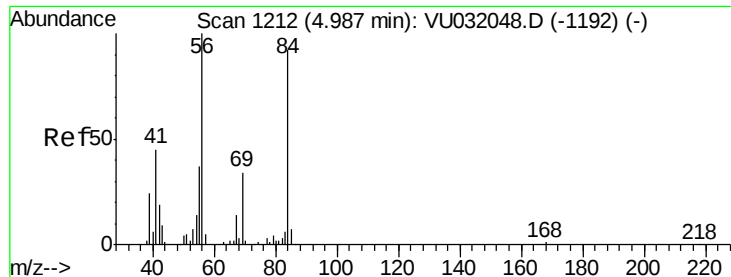
85 59.9 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032048.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU032048.D (-1097) (-)

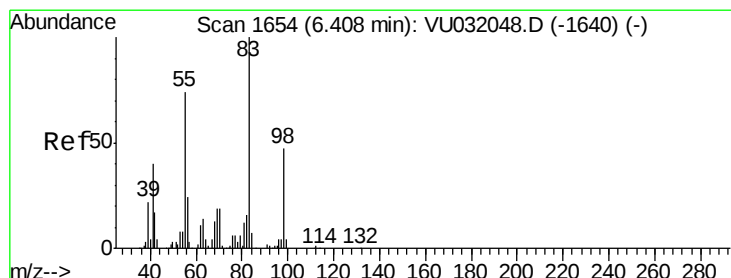
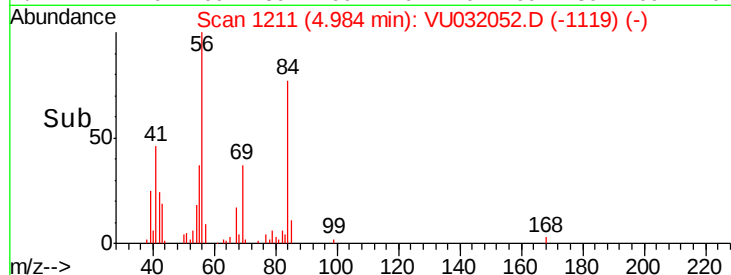
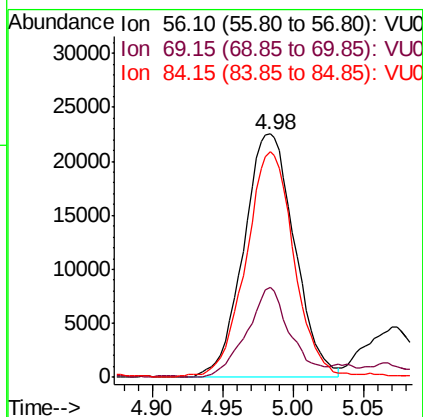
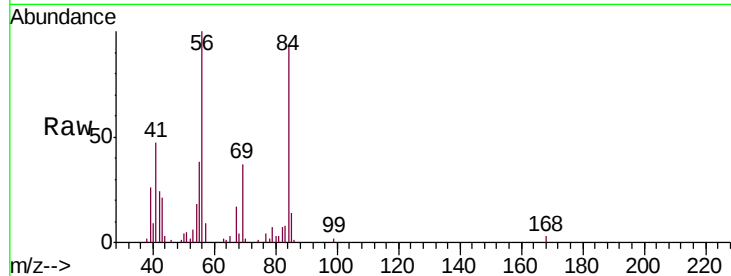




#30
Cyclohexane
Concen: 2.362 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU032052.D
Acq: 16 May 2019 16:30

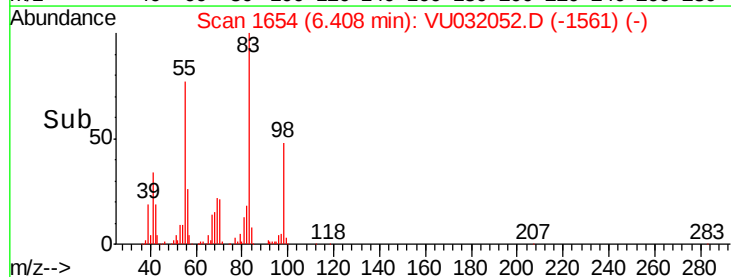
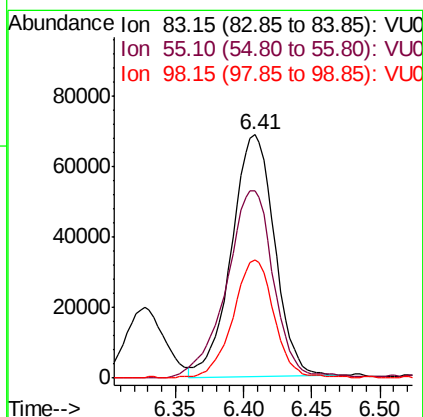
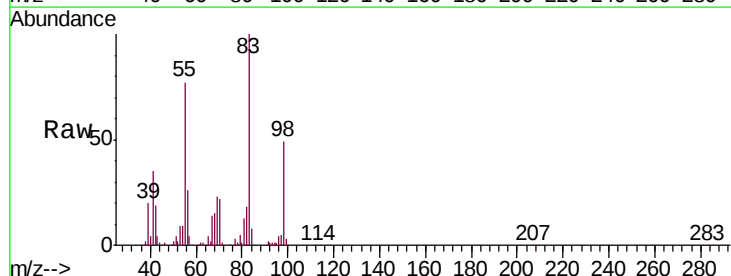
Instrument :
MSVOA_U
ClientSampleId :
DB886DL

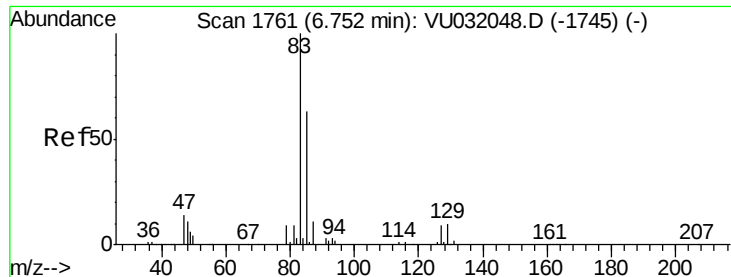
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.7	26.9	40.3
84	88.2	76.6	115.0



#35
Methylcyclohexane
Concen: 5.603 ug/L
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU032052.D
Acq: 16 May 2019 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.9	59.7	89.5
98	46.5	36.8	55.2





#38

Bromodichloromethane

Concen: 0.075 ug/L

RT: 6.72 min Scan# 1750

Delta R.T. -0.04 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

DB886DL

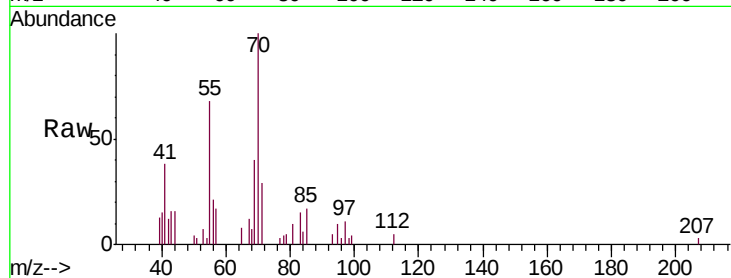
Tgt Ion: 83 Resp: 1605

Ion Ratio Lower Upper

83 100

85 113.8 45.5 84.5#

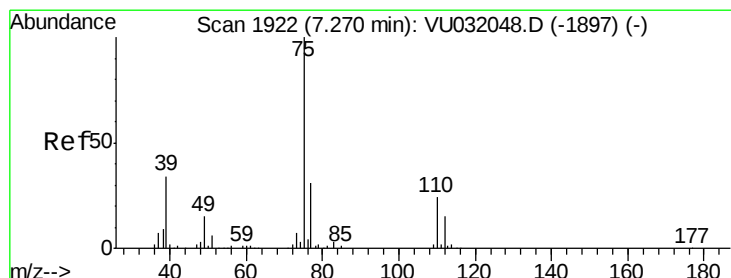
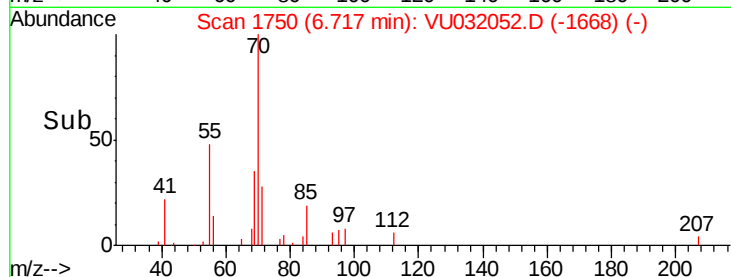
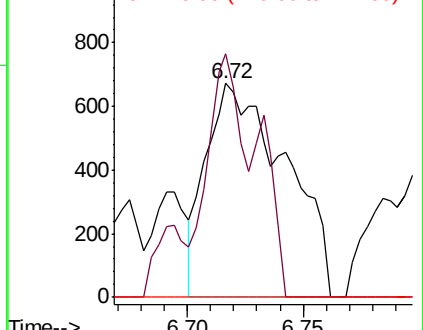
127 0.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU032048.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU032048.D (-1745) (-)

Ion 126.90 (126.60 to 127.60): VU032048.D (-1745) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.178 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032052.D

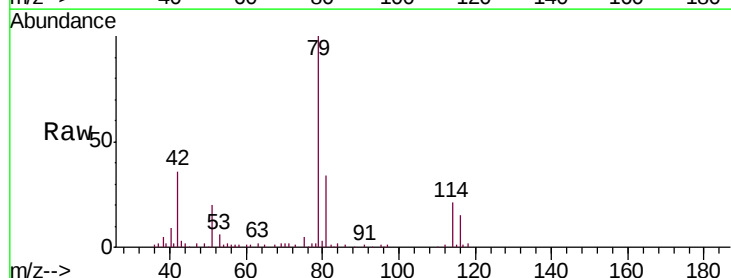
Acq: 16 May 2019 16:30

Tgt Ion: 75 Resp: 4130

Ion Ratio Lower Upper

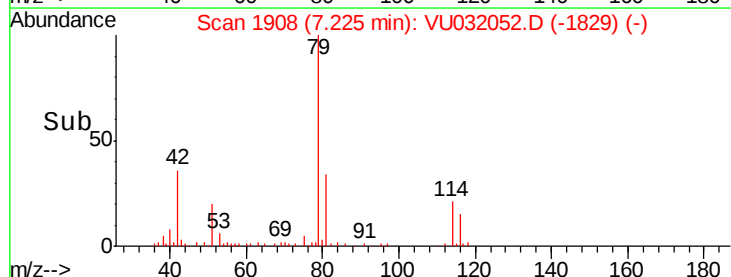
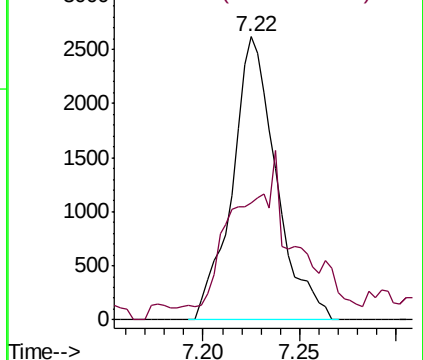
75 100

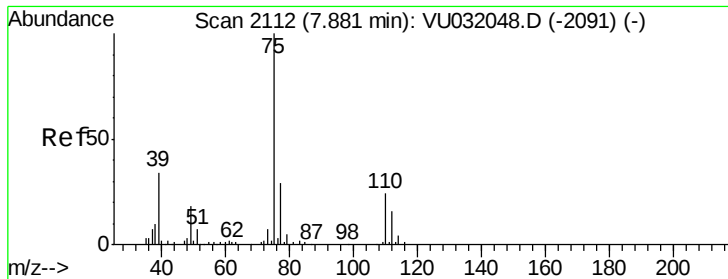
77 41.2 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU032048.D (-1897) (-)

Ion 77.05 (76.75 to 77.75): VU032048.D (-1897) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.150 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

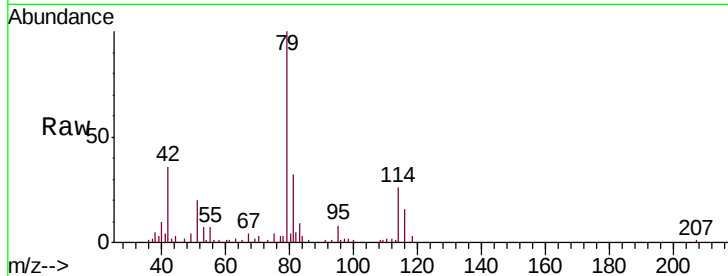
DB886DL

Tgt Ion: 75 Resp: 2700

Ion Ratio Lower Upper

75 100

77 77.9 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU032048.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU032048.D (-2091) (-)

7.85

1500

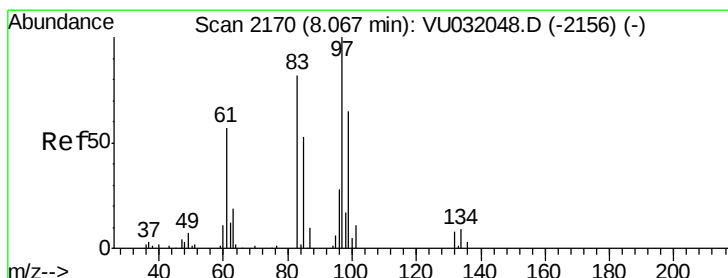
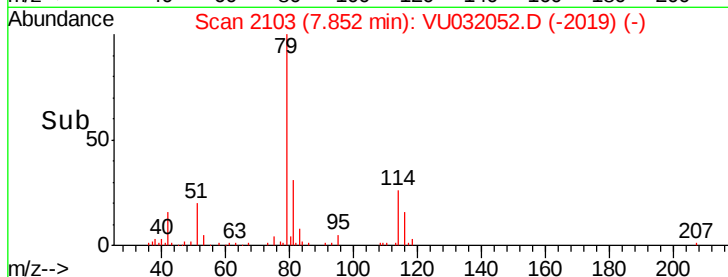
1000

500

0

7.80 7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 3.236 ug/L

RT: 8.04 min Scan# 2162

Delta R.T. -0.03 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Tgt Ion: 97 Resp: 40114

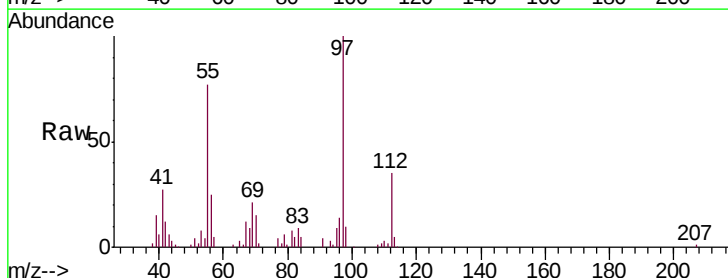
Ion Ratio Lower Upper

97 100

99 0.0 40.7 75.7#

83 9.4 59.6 110.8#

85 0.0 37.3 69.3#



Abundance Ion 96.95 (96.65 to 97.65): VU032048.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU032048.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU032048.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU032048.D (-2156) (-)

8.04

30000

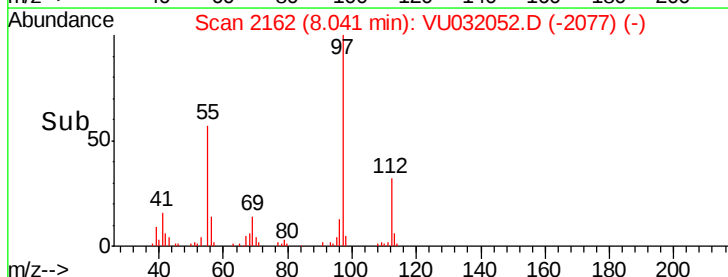
20000

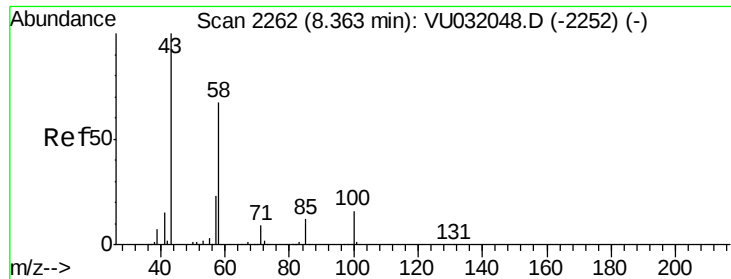
10000

0

7.95 8.00 8.05 8.10

Time-->

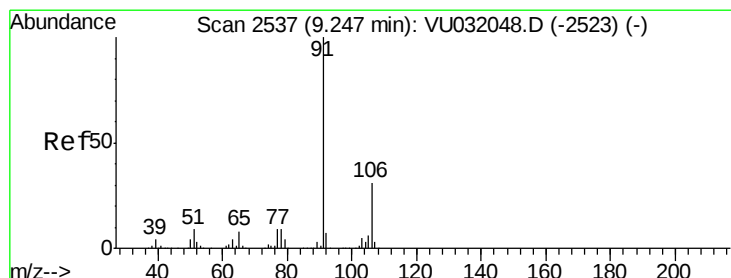
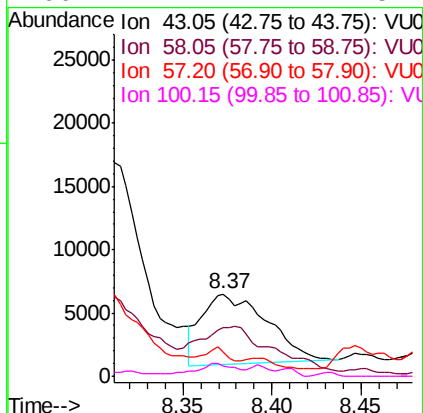
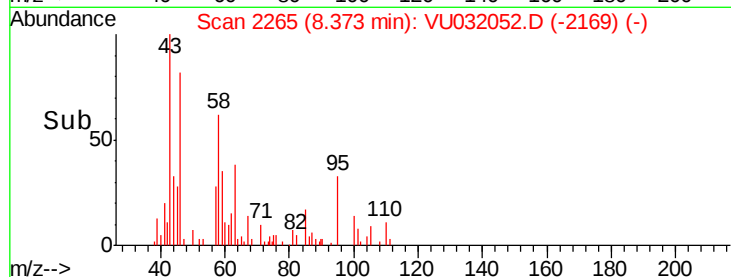
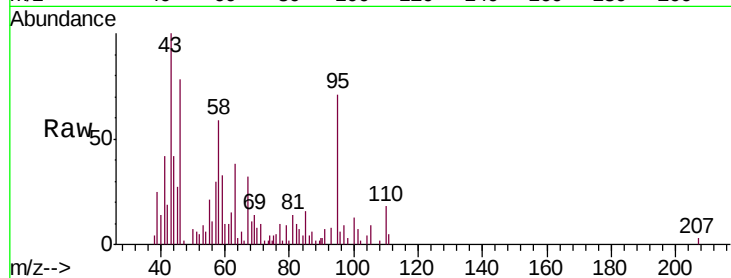




#48
2-Hexanone
Concen: 2.358 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032052.D
Acq: 16 May 2019 16:30

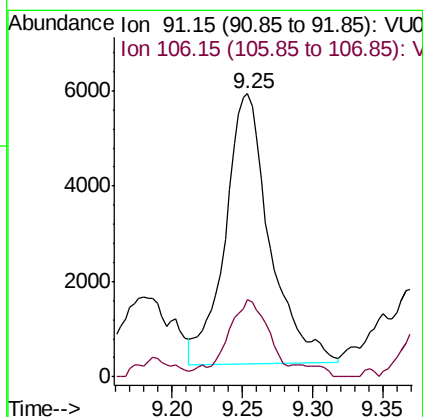
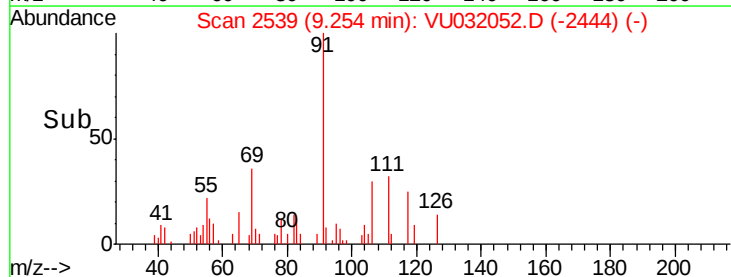
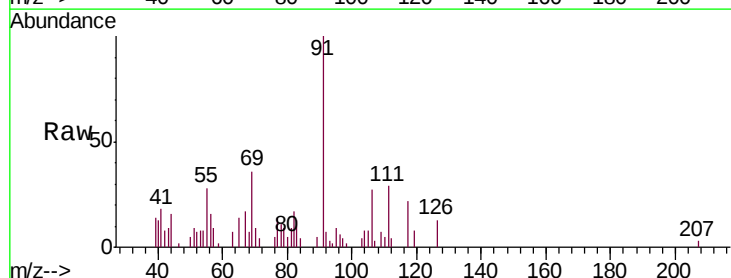
Instrument :
MSVOA_U
ClientSampleId :
DB886DL

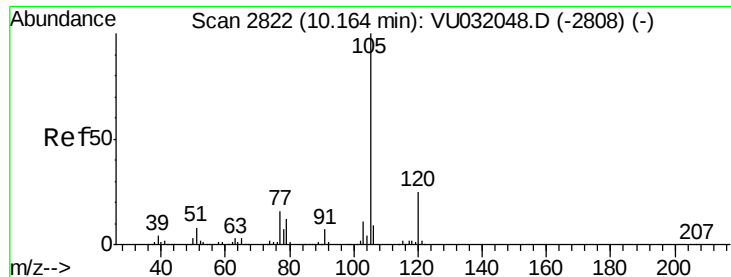
Tgt Ion: 43 Resp: 14229
Ion Ratio Lower Upper
43 100
58 80.7 51.6 77.4#
57 16.1 18.4 27.6#
100 11.1 12.2 18.4#



#52
Ethylbenzene
Concen: 0.174 ug/L
RT: 9.25 min Scan# 2539
Delta R.T. 0.01 min
Lab File: VU032052.D
Acq: 16 May 2019 16:30

Tgt Ion: 91 Resp: 12578
Ion Ratio Lower Upper
91 100
106 27.3 21.3 39.6





#56

Isopropylbenzene

Concen: 7.097 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032052.D

Acq: 16 May 2019 16:30

Instrument :

MSVOA_U

ClientSampleId :

DB886DL

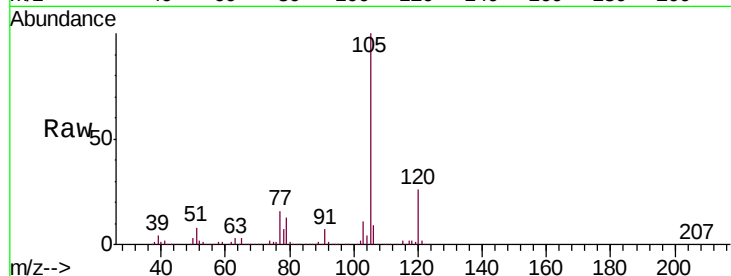
Tgt Ion: 105 Resp: 478882

Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

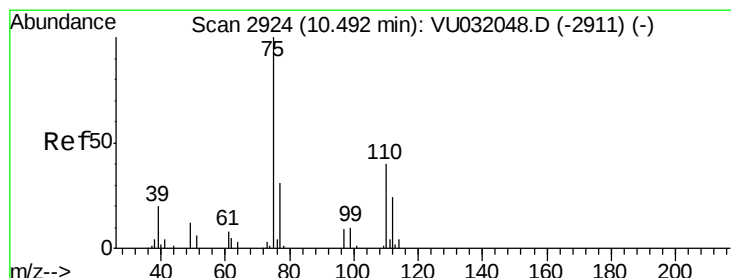
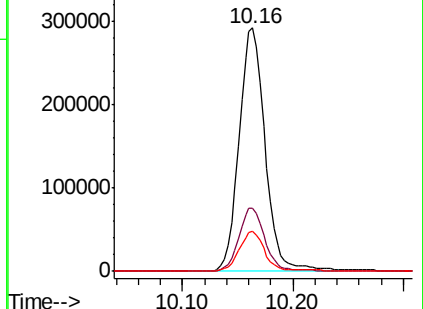
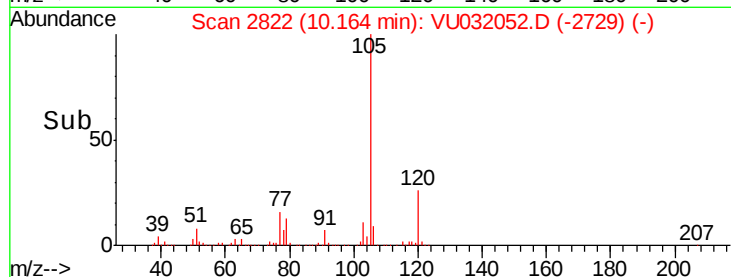
77 15.9 12.3 18.5



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: 0.610 ug/L

RT: 10.58 min Scan# 2953

Delta R.T. 0.09 min

Lab File: VU032052.D

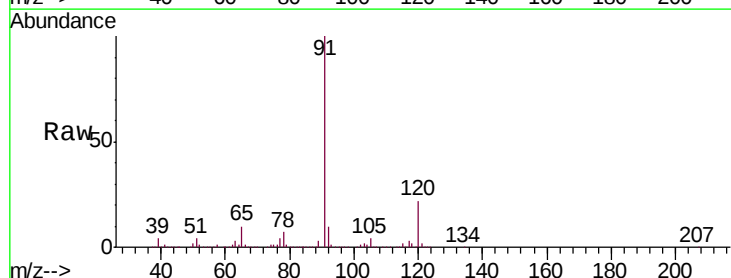
Acq: 16 May 2019 16:30

Tgt Ion: 75 Resp: 6498

Ion Ratio Lower Upper

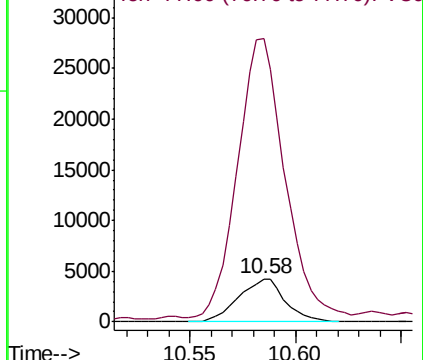
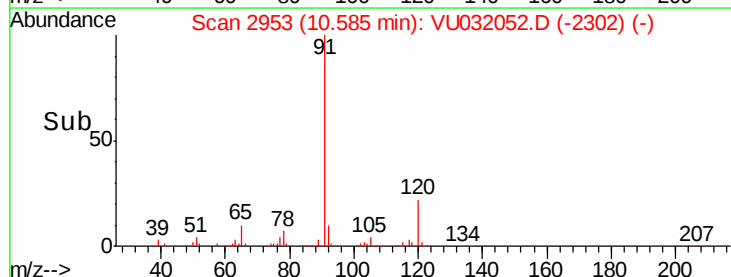
75 100

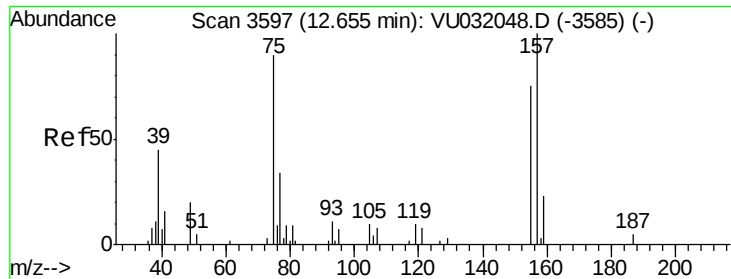
77 652.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

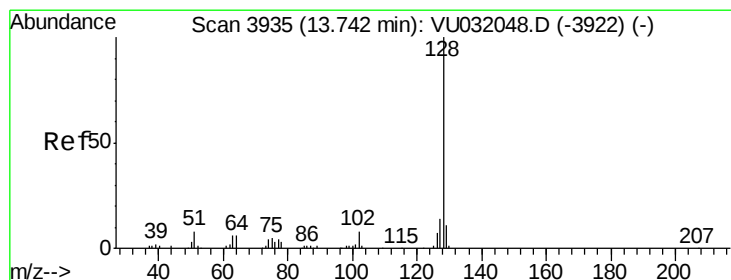
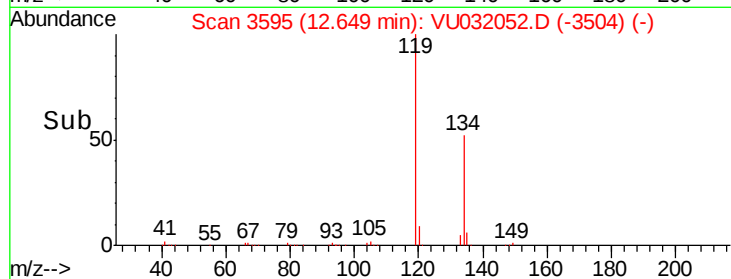
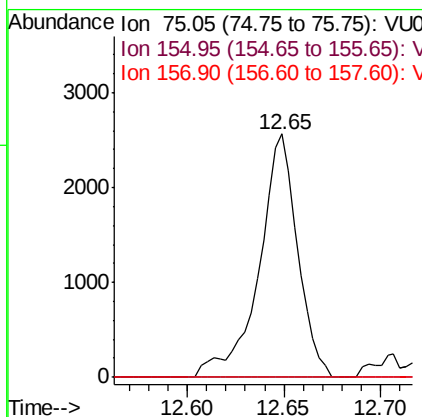
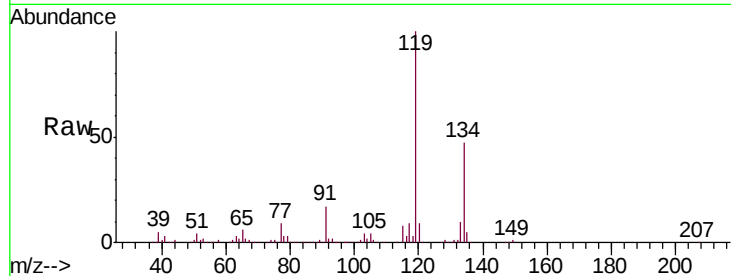




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.592 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.01 min
 Lab File: VU032052.D
 Acq: 16 May 2019 16:30

Instrument :
 MSVOA_U
 ClientSampleId :
 DB886DL

Tgt Ion: 75 Resp: 3544
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.0 97.6#
 157 0.0 84.3 126.5#



#69
 Naphthalene
 Concen: 8.720 ug/L
 RT: 13.74 min Scan# 3934
 Delta R.T. -0.00 min
 Lab File: VU032052.D
 Acq: 16 May 2019 16:30

Tgt Ion: 128 Resp: 234692
 Ion Ratio Lower Upper
 128 100
 129 11.8 8.0 12.0
 127 14.0 10.1 15.1

