

Data File : VU032071.D
Acq On : 17 May 2019 00:24
Operator : JC/SP
Sample : K2850-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W13

Quant Time: May 17 07:24:37 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	390526	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	404630	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	158267	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	149146	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.68	69	124011	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.27	63	209094	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.80%
20) 2-Butanone-d5	4.20	46	281276	43.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.10%
24) Chloroform-d	4.64	84	259674	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	130102	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.33	84	547141	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.33	67	156138	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.56	98	453140	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	7.85	79	49963	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
46) 2-Hexanone-d5	8.31	63	234174	39.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127725	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	163818	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

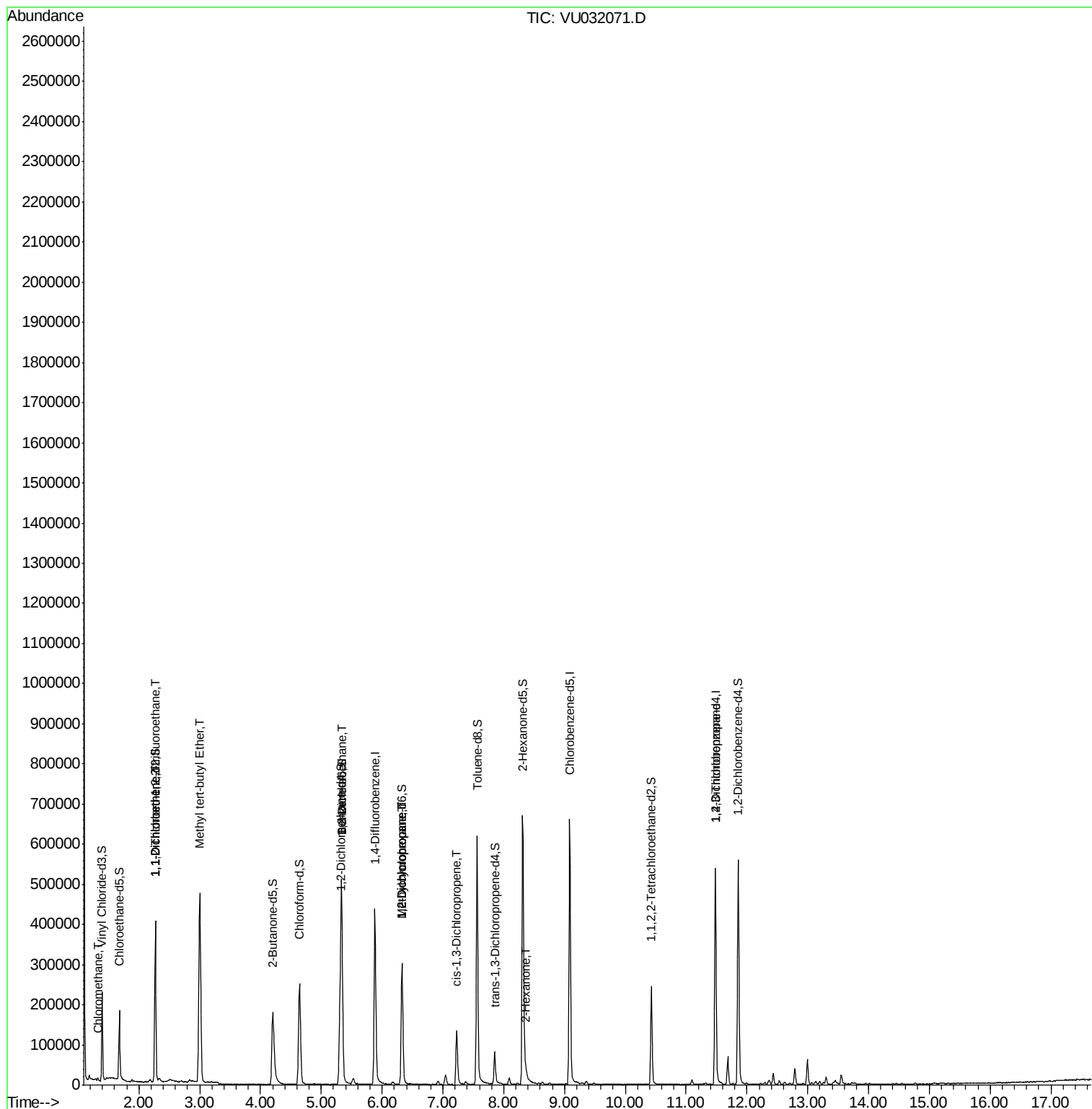
					Qvalue
3) Chloromethane	1.32	50	4125	0.220 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2287	0.143 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	2059	0.131 ug/L #	1
17) Methyl tert-butyl Ether	3.00	73	546574	14.824 ug/L	97
27) 1,2-Dichloroethane	5.34	62	2771	0.169 ug/L #	73
35) Methylcyclohexane	6.32	83	38300	1.578 ug/L #	21
37) 1,2-Dichloropropane	6.32	63	16828	1.108 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3499	0.167 ug/L #	69
48) 2-Hexanone	8.37	43	9066	1.660 ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	16961	1.758 ug/L	92

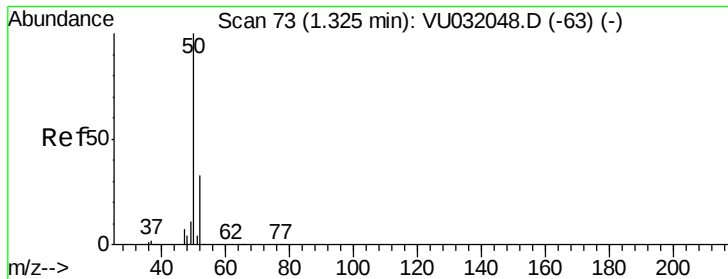
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.220 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

Instrument :

MSVOA_U

ClientSampleId :

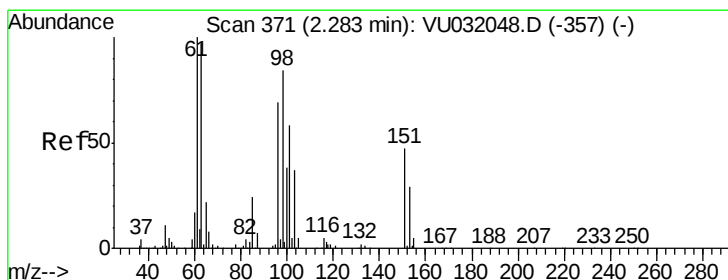
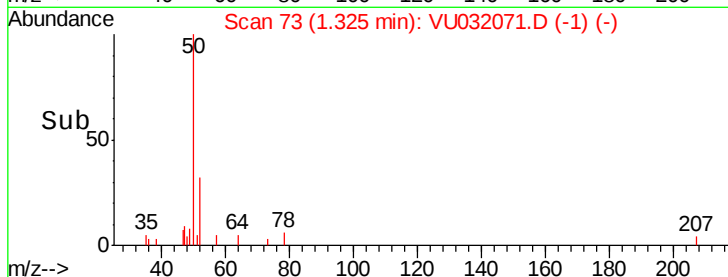
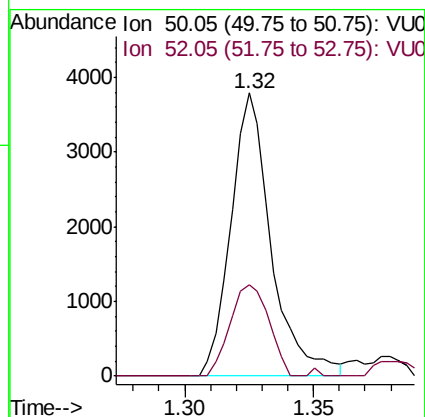
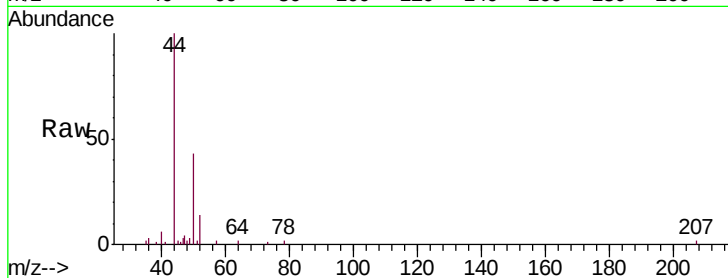
F9W13

Tgt Ion: 50 Resp: 4125

Ion Ratio Lower Upper

50 100

52 32.4 23.2 43.0



#10

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

Concen: 0.143 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

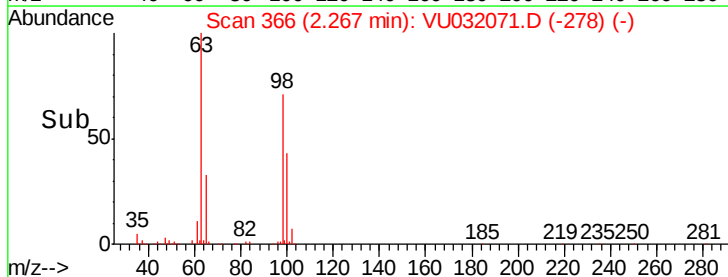
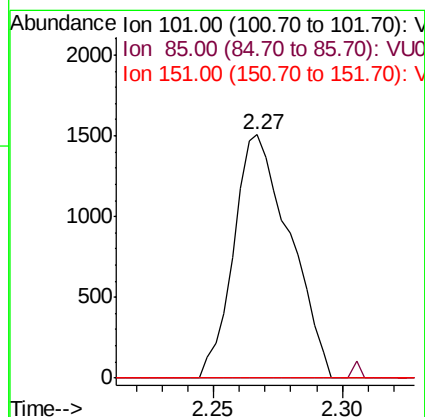
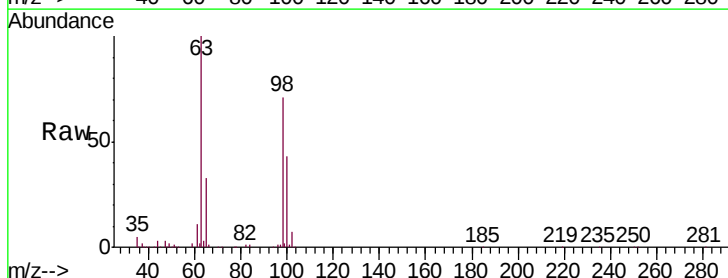
Tgt Ion: 101 Resp: 2287

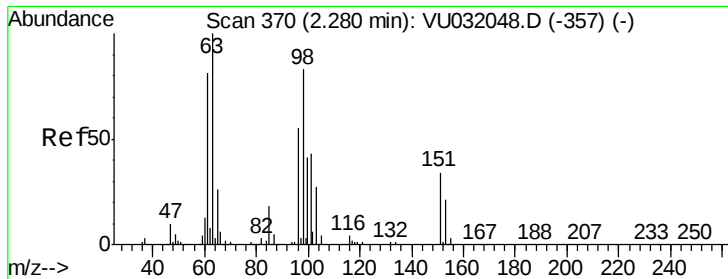
Ion Ratio Lower Upper

101 100

85 0.9 33.8 50.8#

151 1.0 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 0.131 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

Instrument :

MSVOA_U

ClientSampleId :

F9W13

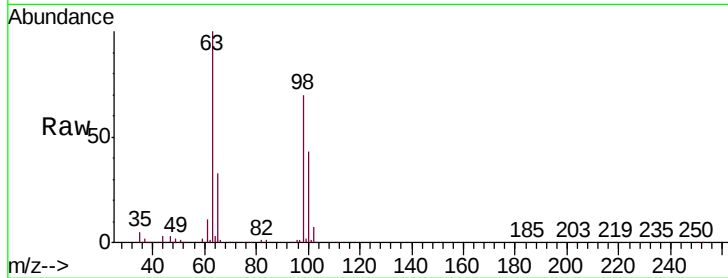
Tgt Ion: 96 Resp: 2059

Ion Ratio Lower Upper

96 100

61 1013.0 111.7 207.5#

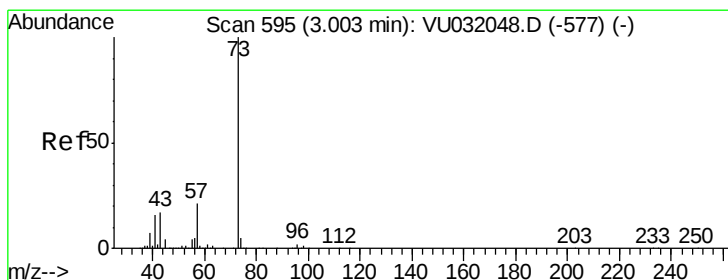
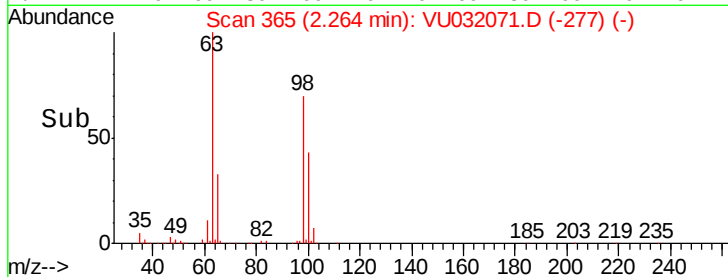
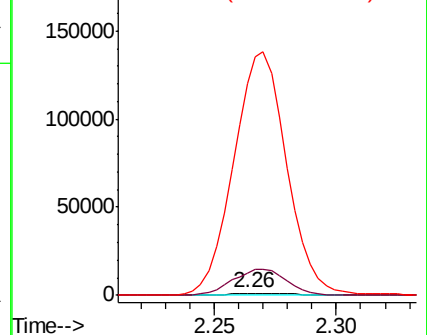
63 9482.5 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#17

Methyl tert-butyl Ether

Concen: 14.824 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

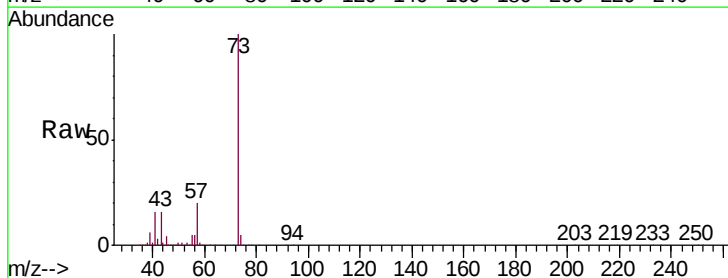
Tgt Ion: 73 Resp: 546574

Ion Ratio Lower Upper

73 100

43 15.9 13.0 19.6

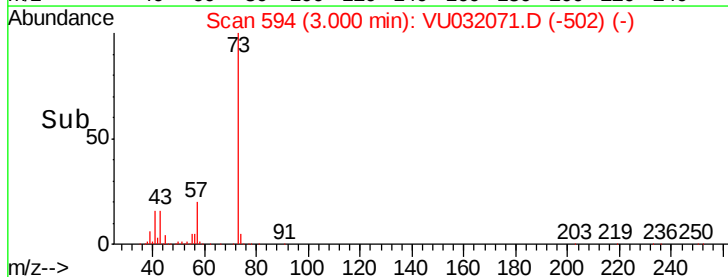
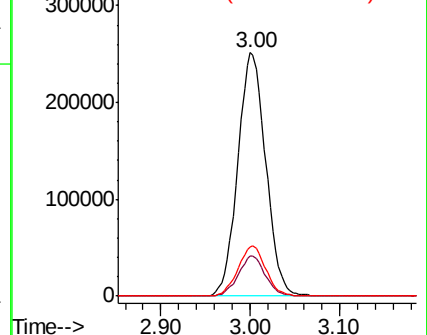
57 20.5 17.9 26.9

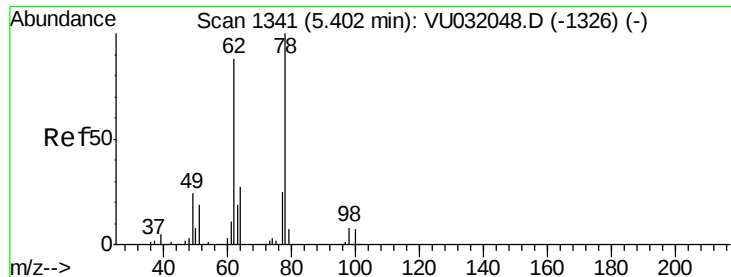


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#27

1,2-Dichloroethane

Concen: 0.169 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

Instrument :

MSVOA_U

ClientSampled :

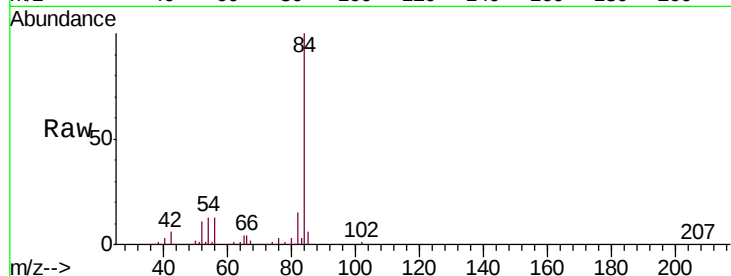
F9W13

Tgt Ion: 62 Resp: 2771

Ion Ratio Lower Upper

62 100

98 0.0 8.0 12.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032071.D (-1248) (-)

Ion 98.05 (97.75 to 98.75): VU032071.D (-1248) (-)

5.34

1500

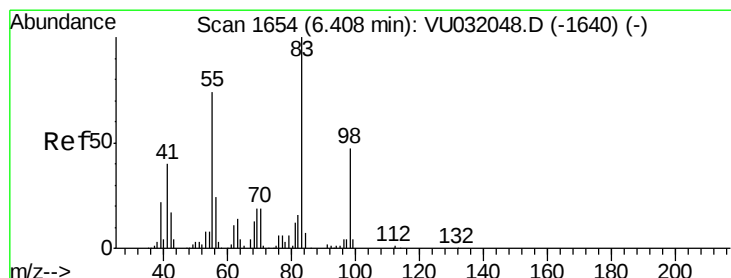
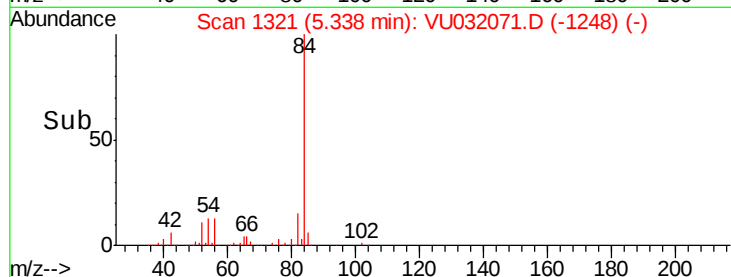
1000

500

0

5.30 5.35 5.40

Time-->



#35

Methylcyclohexane

Concen: 1.578 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032071.D

Acq: 17 May 2019 00:24

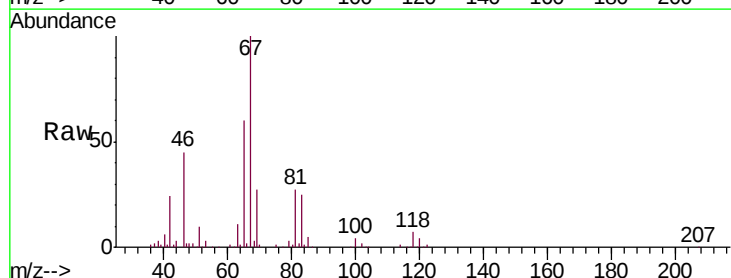
Tgt Ion: 83 Resp: 38300

Ion Ratio Lower Upper

83 100

55 0.5 59.7 89.5#

98 1.8 36.8 55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU032071.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032071.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032071.D (-1561) (-)

6.32

25000

20000

15000

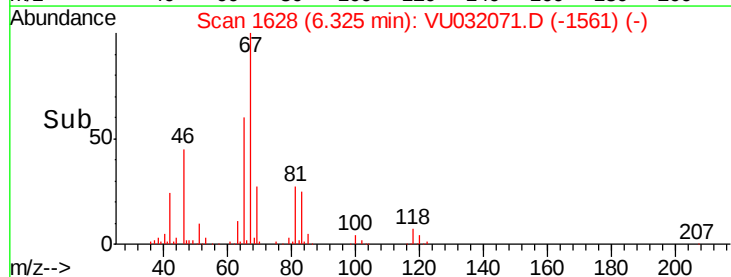
10000

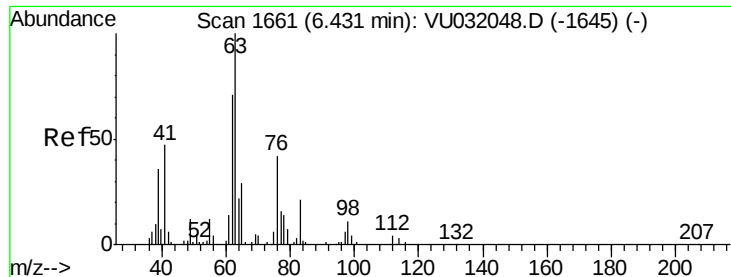
5000

0

6.25 6.30 6.35 6.40 6.45

Time-->

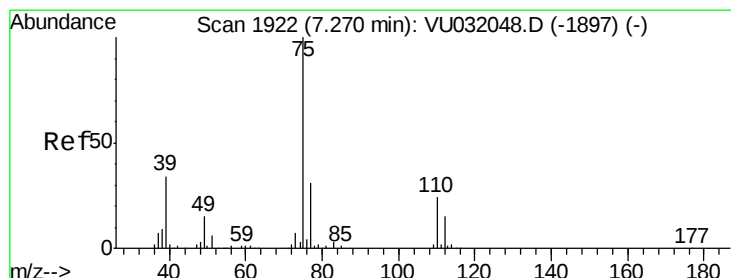
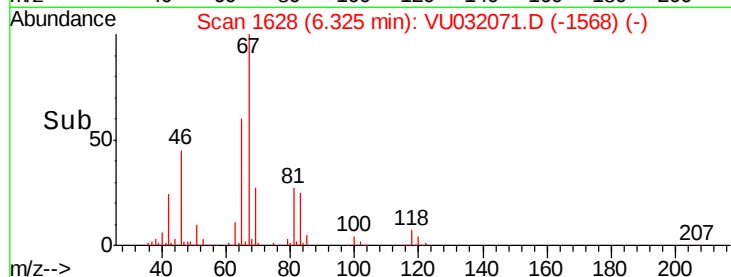
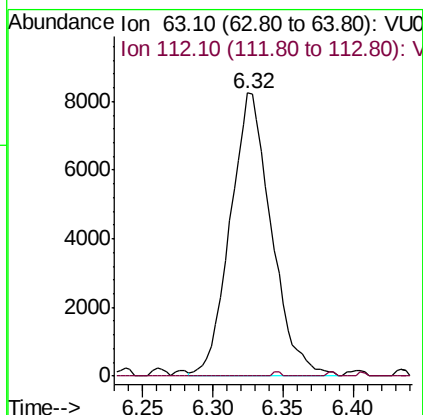
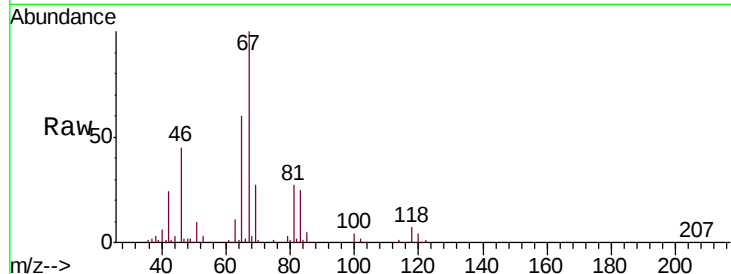




#37
 1,2-Dichloropropane
 Concen: 1.108 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.11 min
 Lab File: VU032071.D
 Acq: 17 May 2019 00:24

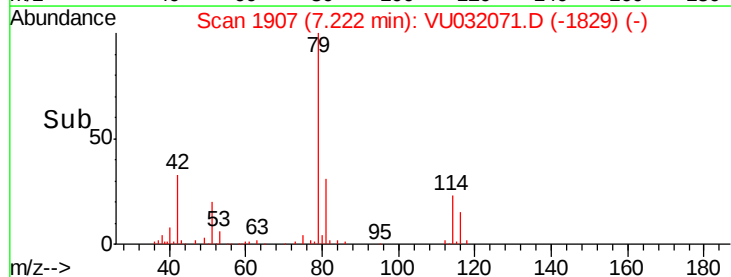
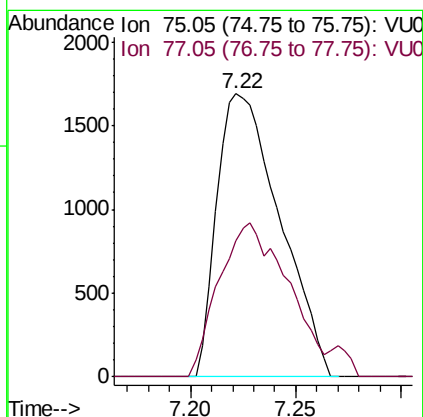
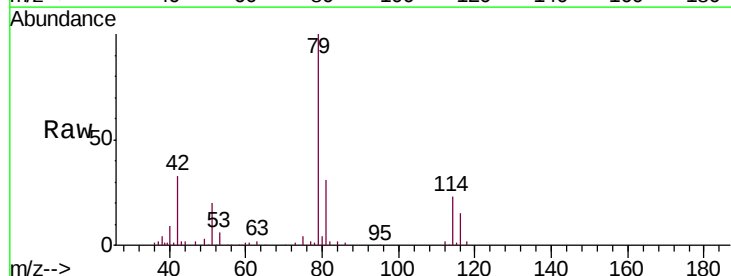
Instrument :
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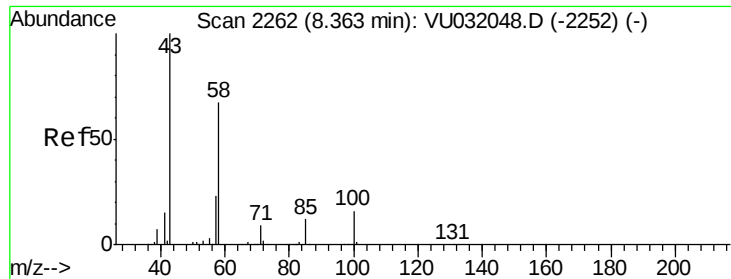
Tgt Ion: 63 Resp: 16828
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.167 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.05 min
 Lab File: VU032071.D
 Acq: 17 May 2019 00:24

Tgt Ion: 75 Resp: 3499
 Ion Ratio Lower Upper
 75 100
 77 48.0 21.7 40.3#

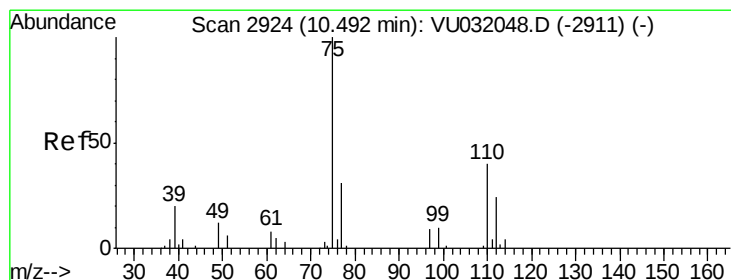
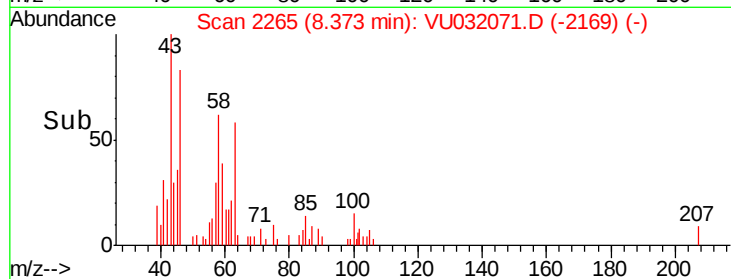
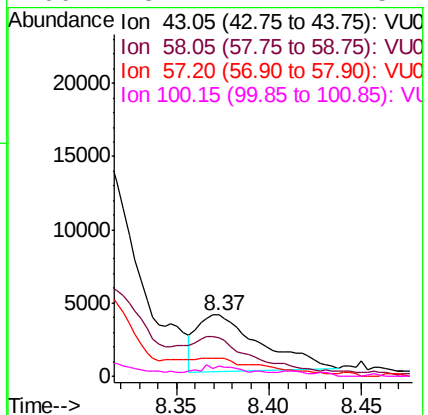
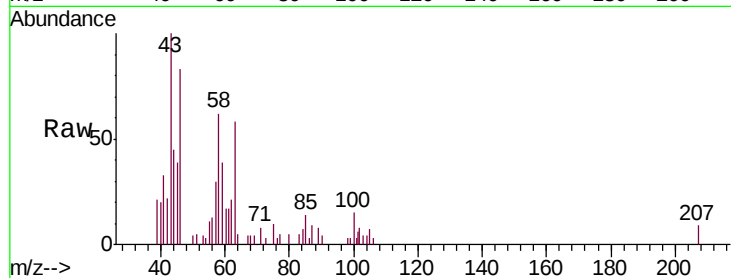




#48
 2-Hexanone
 Concen: 1.660 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: VU032071.D
 Acq: 17 May 2019 00:24

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W13

Tgt Ion: 43 Resp: 9066
 Ion Ratio Lower Upper
 43 100
 58 57.1 51.6 77.4
 57 7.4 18.4 27.6#
 100 15.2 12.2 18.4



#59
 1,2,3-Trichloropropane
 Concen: 1.758 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU032071.D
 Acq: 17 May 2019 00:24

Tgt Ion: 75 Resp: 16961
 Ion Ratio Lower Upper
 75 100
 77 37.3 26.2 39.2

