

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028149.D
 Acq On : 15 Nov 2018 03:17
 Operator : MD/SY
 Sample : J5943-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FK9

Quant Time: Nov 15 06:19:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132505	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	125959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	56069	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49204	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.68	69	39905	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.28	63	71297	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.19	46	177256	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	4.65	84	86254	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.31	65	49913	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.34	84	180111	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.33	67	64547	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.57	98	155403	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	19472	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.31	63	139157	52.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46211	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	54969	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
5) Vinyl chloride	1.41	62	65560	4.619	ug/L 99
8) Chloroethane	1.63	64	869	0.102	ug/L # 42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	550	0.063	ug/L # 20
12) 1,1-Dichloroethene	2.28	96	838	0.095	ug/L # 1
13) Acetone	2.32	43	4751	2.212	ug/L 97
18) trans-1,2-Dichloroethene	2.98	96	17915	1.913	ug/L 97
19) 1,1-Dichloroethane	3.45	63	1240	0.063	ug/L # 82
22) cis-1,2-Dichloroethene	4.23	96	95777	9.274	ug/L 98
34) Trichloroethene	6.19	95	1348	0.129	ug/L 93
35) Methylcyclohexane	6.33	83	13245	0.735	ug/L # 16
37) 1,2-Dichloropropane	6.33	63	6303	0.537	ug/L # 92
39) cis-1,3-Dichloropropene	7.23	75	1441	0.091	ug/L # 63
42) Toluene	7.64	91	3224	0.074	ug/L 90
48) 2-Hexanone	8.31	43	17198	2.991	ug/L # 67
49) Dibromochloromethane	8.23	129	513	0.068	ug/L # 11
59) 1,2,3-Trichloropropane	11.48	75	8538	1.295	ug/L 100

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QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

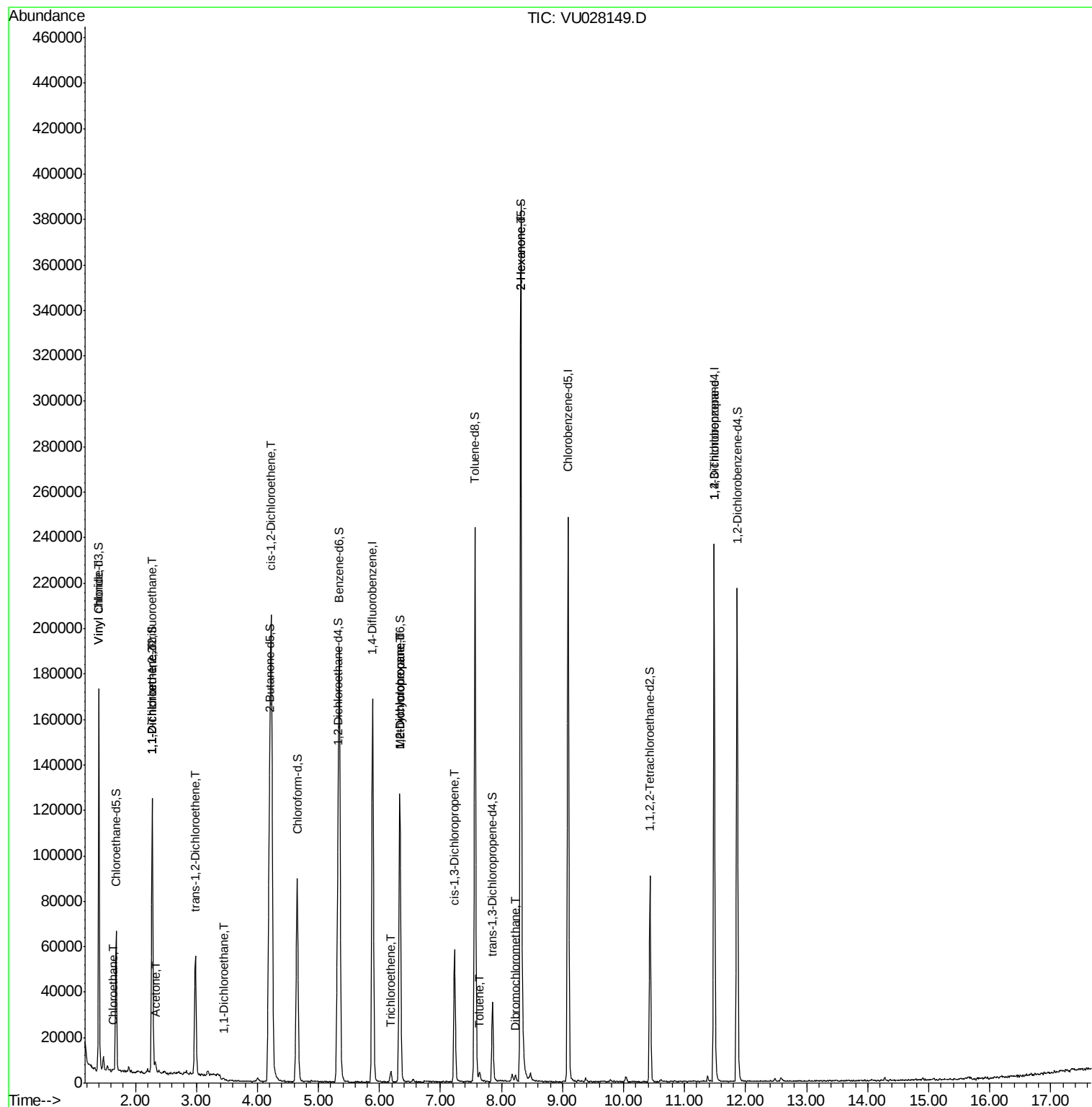
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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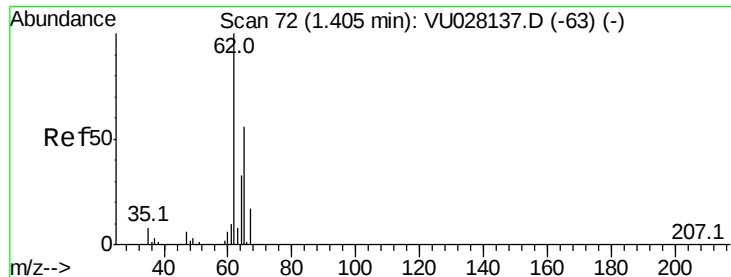
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.619 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Instrument :

MSVOA_U

ClientSampled :

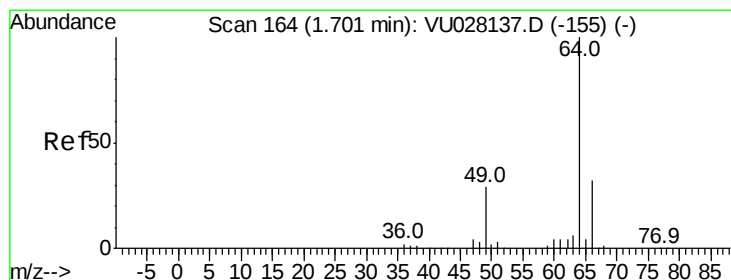
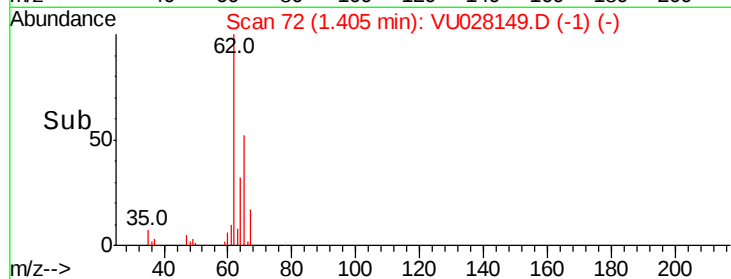
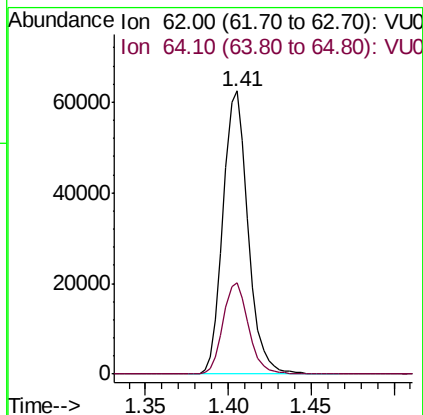
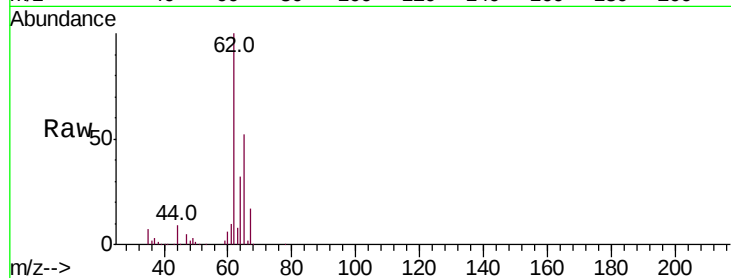
H0FK9

Tot Ion: 62 Resp: 65560

Ion Ratio Lower Upper

62 100

64 32.2 22.7 42.3



#8

Chloroethane

Concen: 0.102 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.07 min

Lab File: VU028149.D

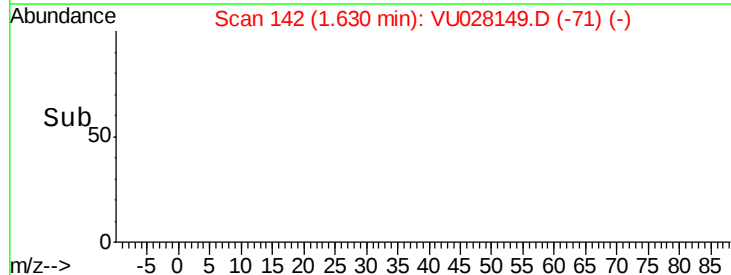
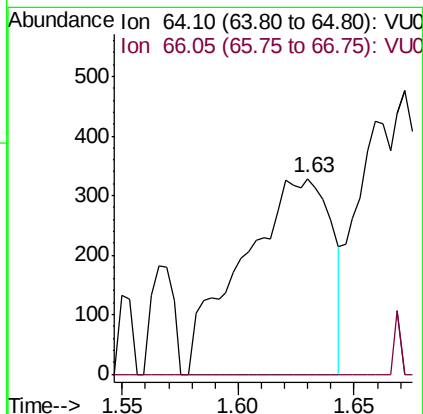
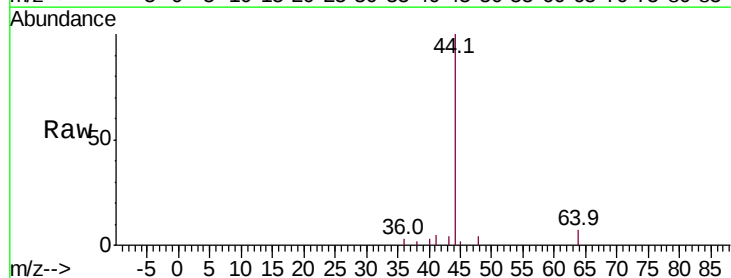
Acq: 15 Nov 2018 03:17

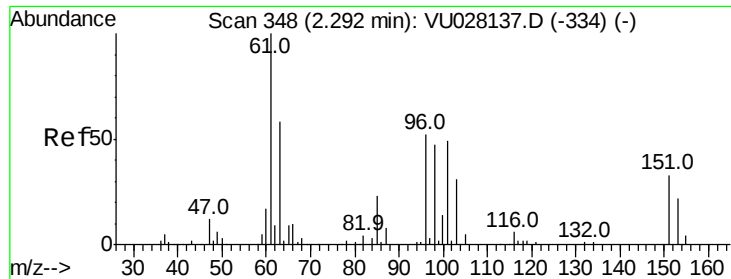
Tgt Ion: 64 Resp: 869

Ion Ratio Lower Upper

64 100

66 0.0 23.1 42.9#





#10

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

Concen: 0.063 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Instrument :

MSVOA_U

ClientSampleId :

H0FK9

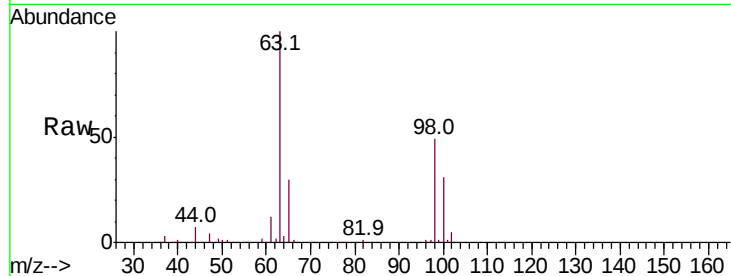
Tot Ion:101 Resp: 550

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

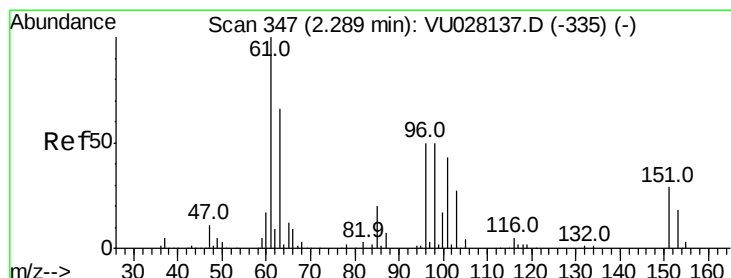
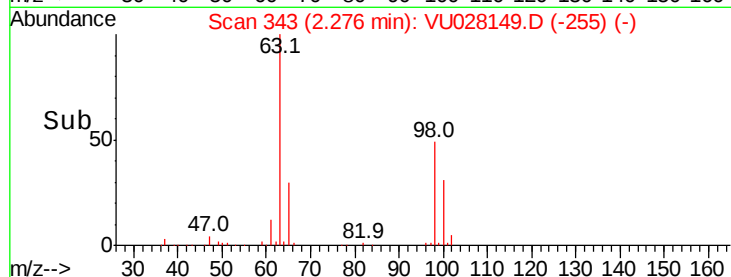
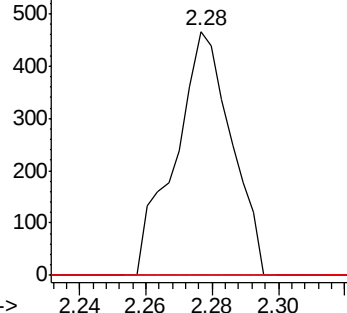
151 0.0 58.2 87.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.095 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

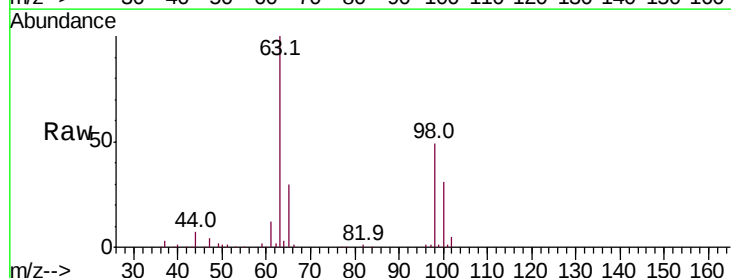
Tgt Ion: 96 Resp: 838

Ion Ratio Lower Upper

96 100

61 1115.8 134.8 250.3#

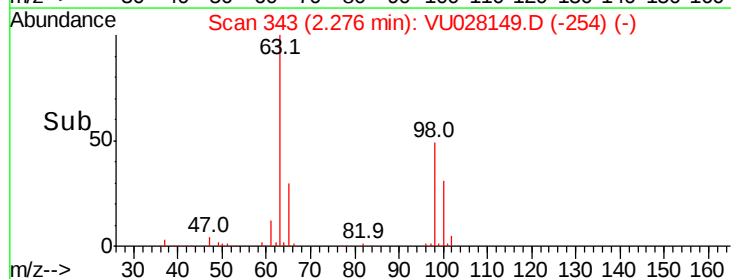
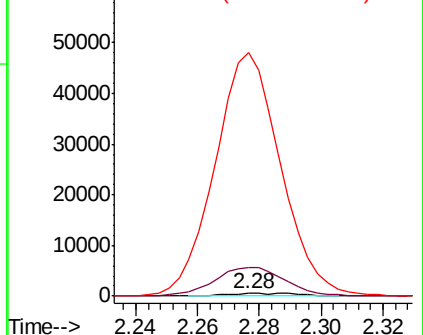
63 9389.1 100.1 185.9#

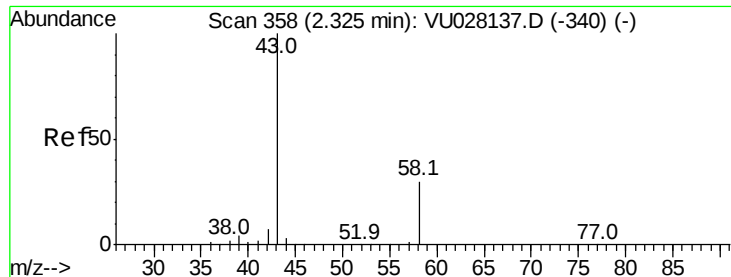


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.212 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

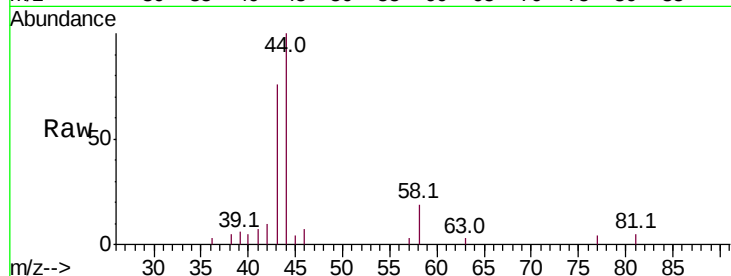
Instrument :
MSVOA_U
ClientSampleId :
H0FK9

Tot Ion: 43 Resp: 4751

Ion Ratio Lower Upper

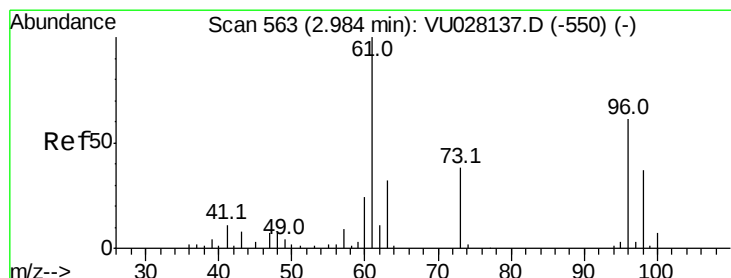
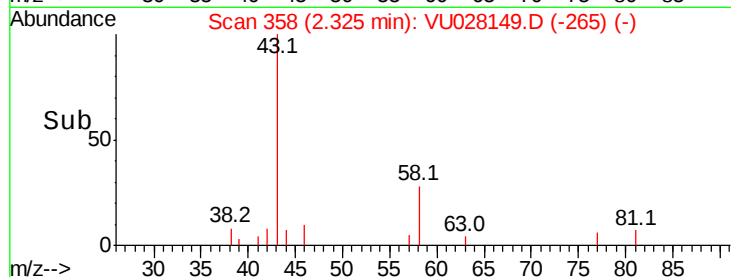
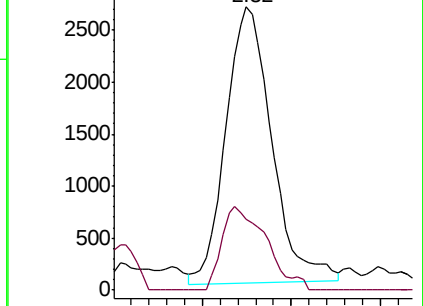
43 100

58 29.2 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028137.D (-340) (-)

Ion 58.05 (57.75 to 58.75): VU028137.D (-340) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.913 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

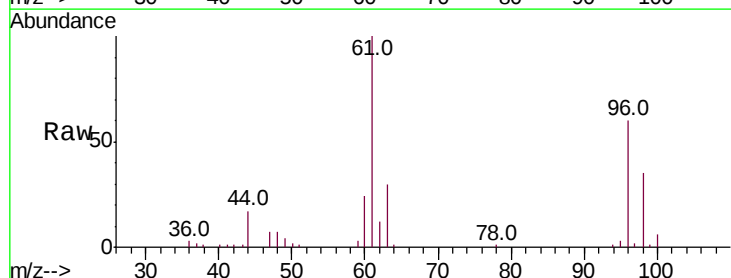
Tgt Ion: 96 Resp: 17915

Ion Ratio Lower Upper

96 100

61 166.6 118.5 220.1

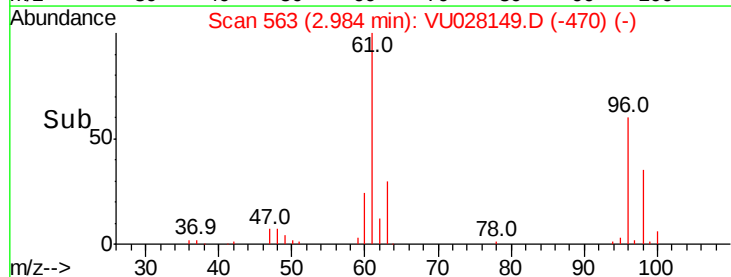
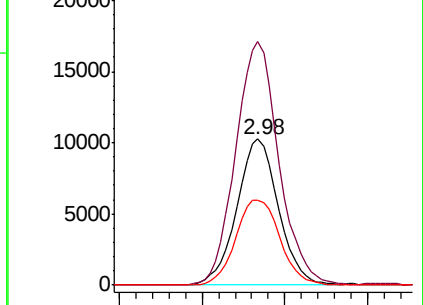
98 58.4 44.9 83.5

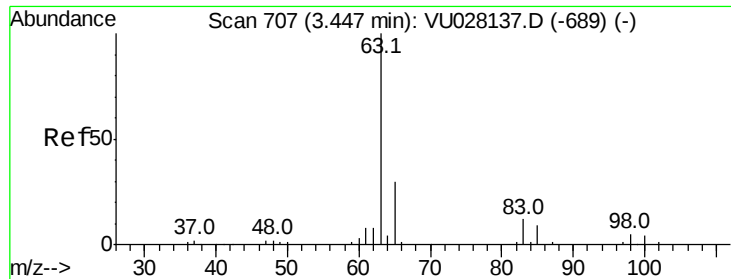


Abundance Ion 96.00 (95.70 to 96.70): VU028137.D (-550) (-)

Ion 61.05 (60.75 to 61.75): VU028137.D (-550) (-)

Ion 97.95 (97.65 to 98.65): VU028137.D (-550) (-)

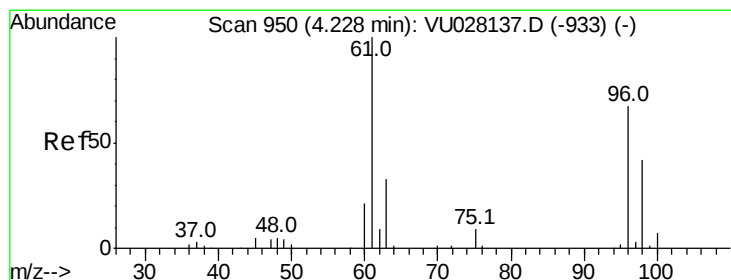
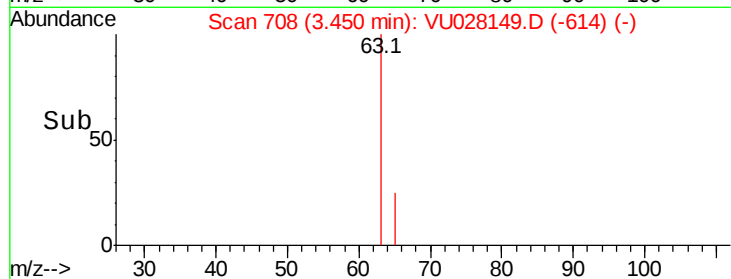
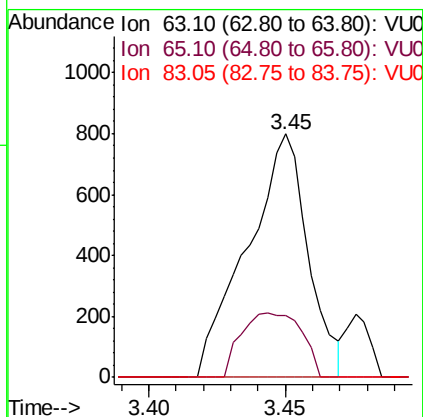
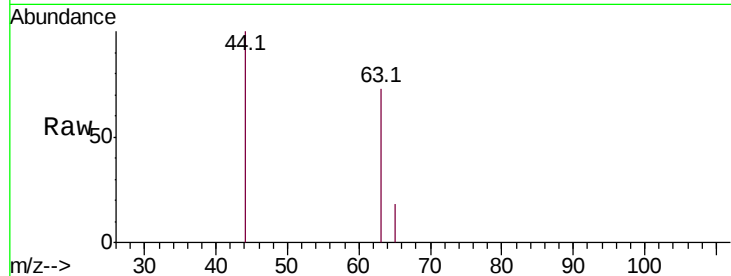




#19
 1,1-Dichloroethane
 Concen: 0.063 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028149.D
 Acq: 15 Nov 2018 03:17

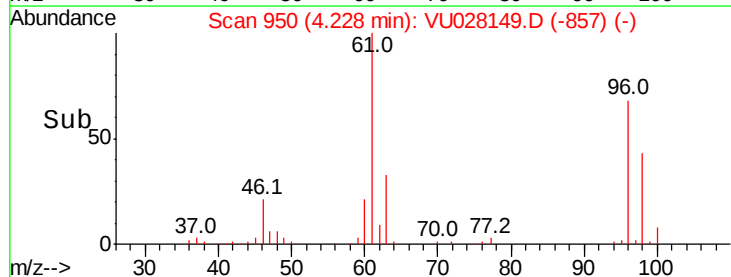
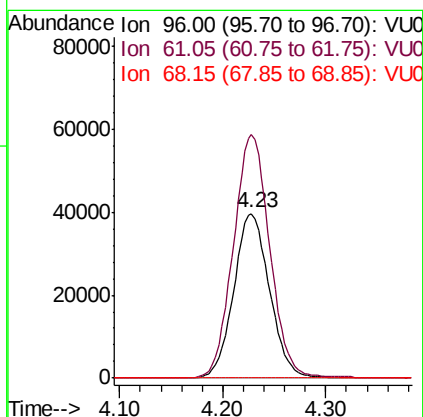
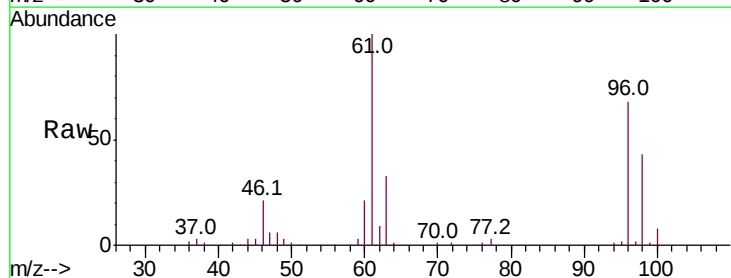
Instrument :
 MSVOA_U
 ClientSampled :
 H0FK9

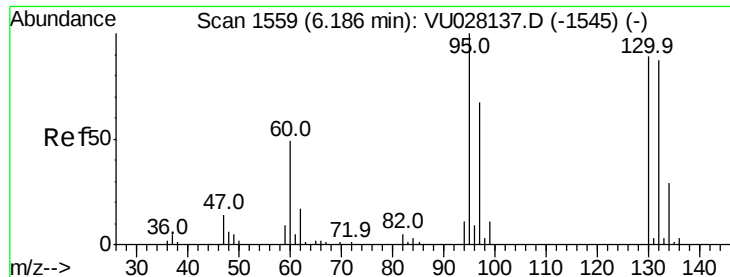
Tot Ion: 63 Resp: 1240
 Ion Ratio Lower Upper
 63 100
 65 25.2 22.2 41.2
 83 0.0 8.9 16.5#



#22
 cis-1,2-Dichloroethene
 Concen: 9.274 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028149.D
 Acq: 15 Nov 2018 03:17

Tgt Ion: 96 Resp: 95777
 Ion Ratio Lower Upper
 96 100
 61 148.1 101.8 189.0
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.129 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Instrument :

MSVOA_U

ClientSampleId :

H0FK9

Tot Ion: 95 Resp: 1348

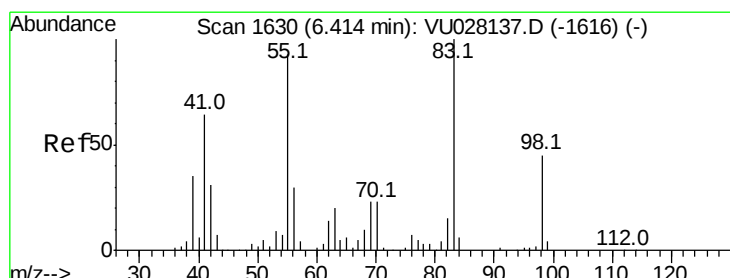
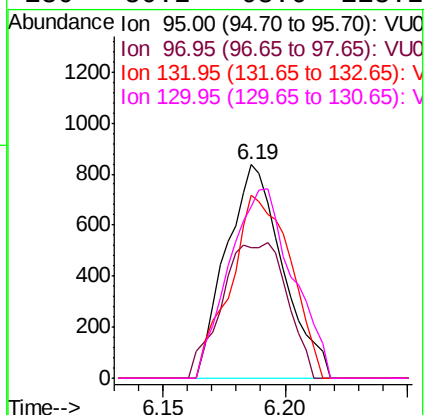
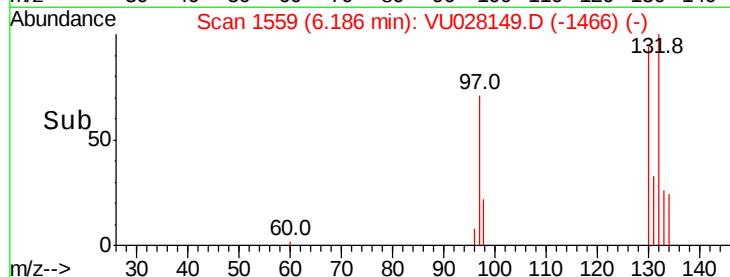
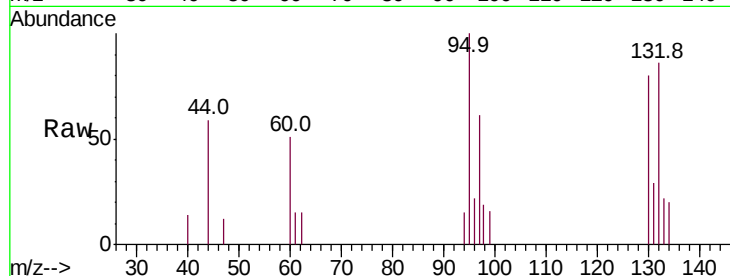
Ion Ratio Lower Upper

95 100

97 61.1 45.3 84.1

132 85.5 63.0 117.0

130 80.2 63.6 118.2



#35

Methylcyclohexane

Concen: 0.735 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

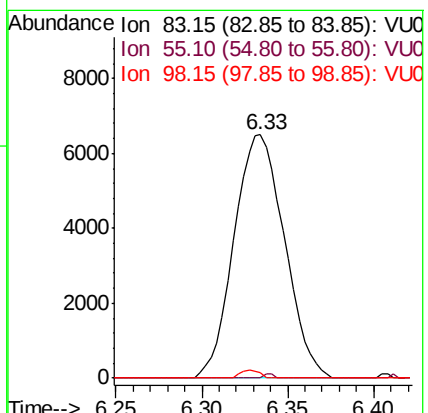
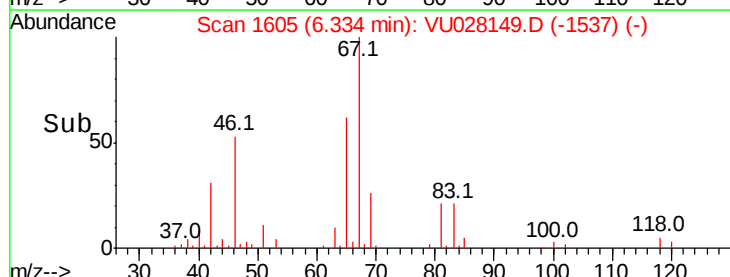
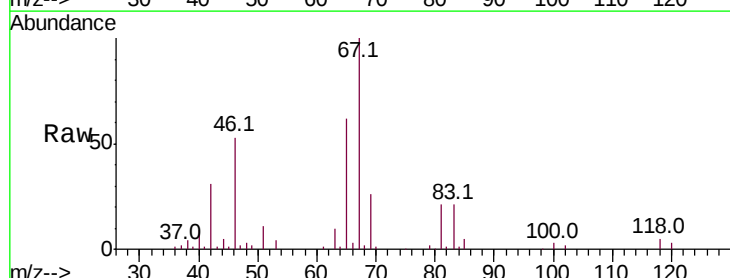
Tgt Ion: 83 Resp: 13245

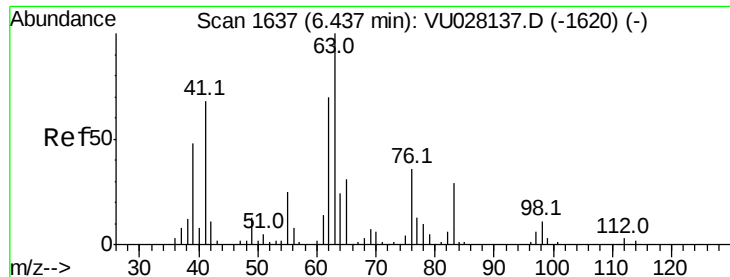
Ion Ratio Lower Upper

83 100

55 0.3 69.0 103.4#

98 1.3 33.3 49.9#





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Instrument :

MSVOA_U

ClientSampleId :

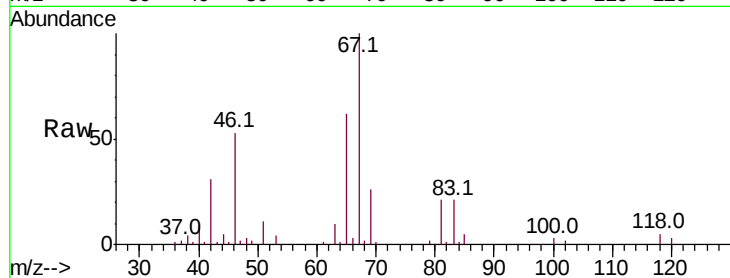
H0FK9

Tot Ion: 63 Resp: 6303

Ion Ratio Lower Upper

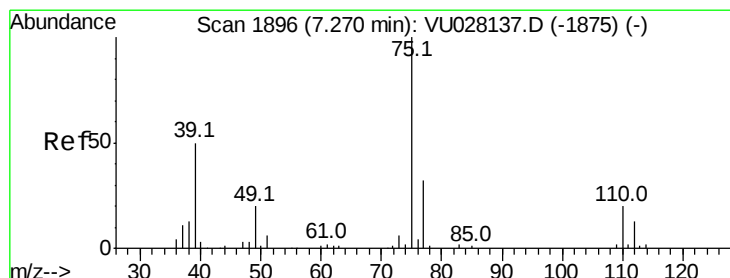
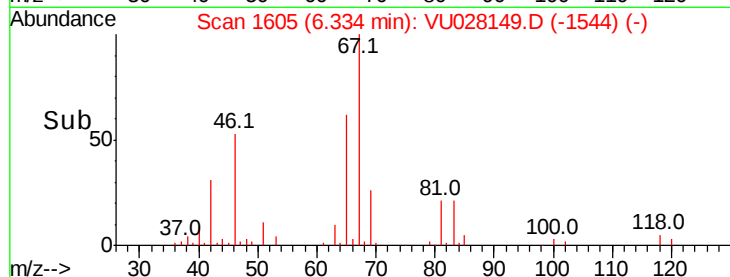
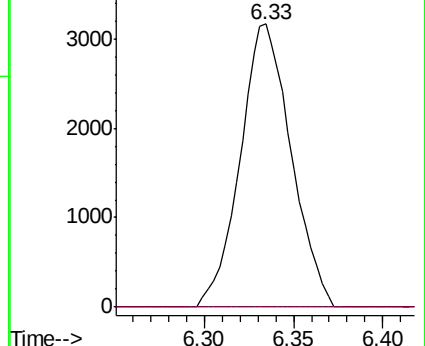
63 100

112 0.0 2.2 3.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.23 min Scan# 1885

Delta R.T. -0.04 min

Lab File: VU028149.D

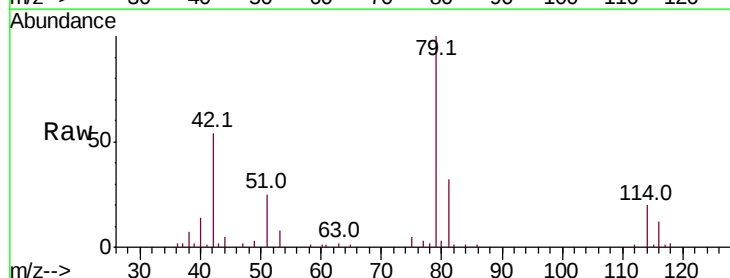
Acq: 15 Nov 2018 03:17

Tgt Ion: 75 Resp: 1441

Ion Ratio Lower Upper

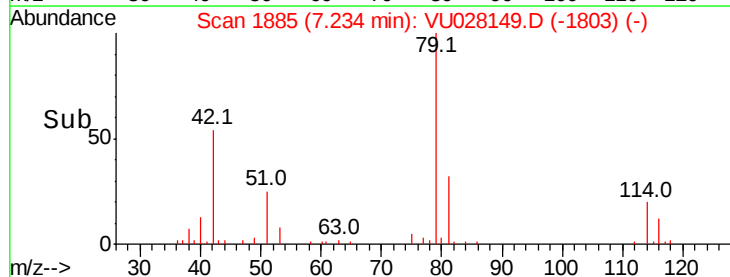
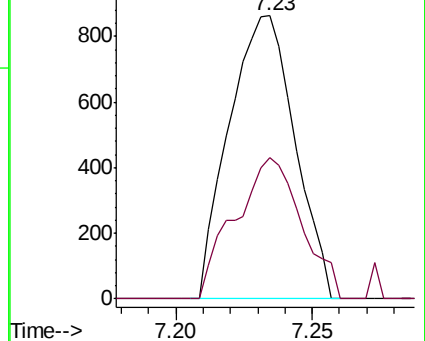
75 100

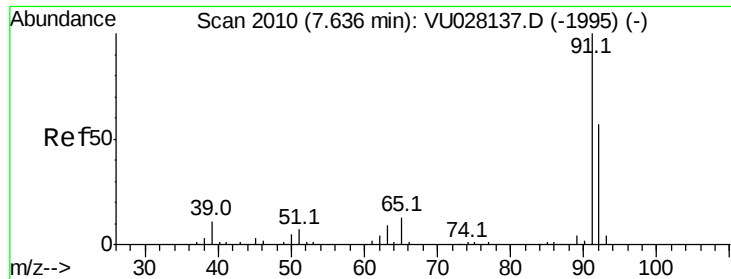
77 50.1 20.9 38.9#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#42

Toluene

Concen: 0.074 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Instrument :

MSVOA_U

ClientSampleId :

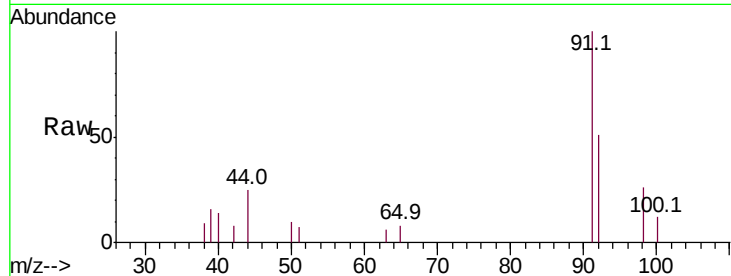
H0FK9

Tot Ion: 91 Resp: 3224

Ion Ratio Lower Upper

91 100

92 50.7 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028137.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU028137.D (-1995) (-)

7.64

1500

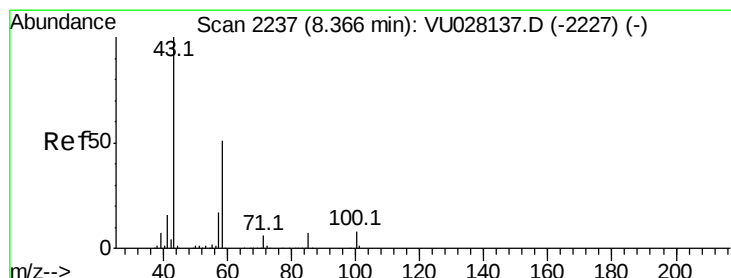
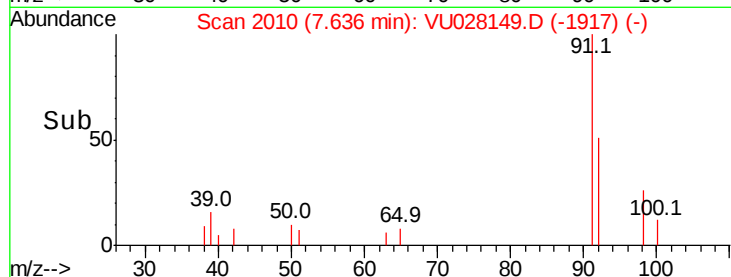
1000

500

0

7.60 7.65 7.70

Time-->



#48

2-Hexanone

Concen: 2.991 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU028149.D

Acq: 15 Nov 2018 03:17

Tgt Ion: 43 Resp: 17198

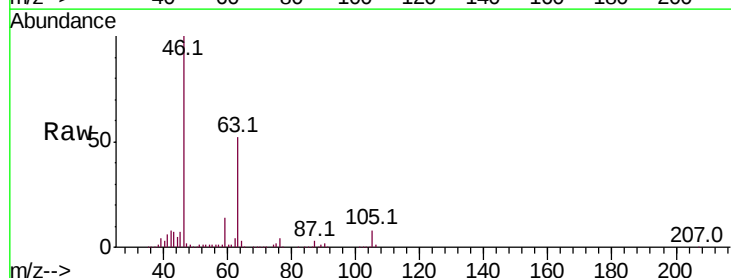
Ion Ratio Lower Upper

43 100

58 23.0 41.7 62.5#

57 21.9 14.0 21.0#

100 0.0 7.2 10.8#



Abundance Ion 43.05 (42.75 to 43.75): VU028137.D (-2227) (-)

Ion 58.05 (57.75 to 58.75): VU028137.D (-2227) (-)

Ion 57.20 (56.90 to 57.90): VU028137.D (-2227) (-)

Ion 100.15 (99.85 to 100.85): VU028137.D (-2227) (-)

8.31

15000

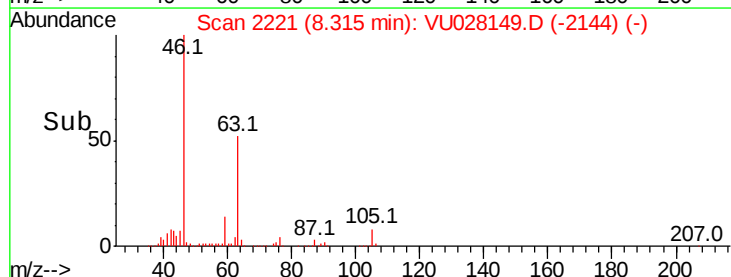
10000

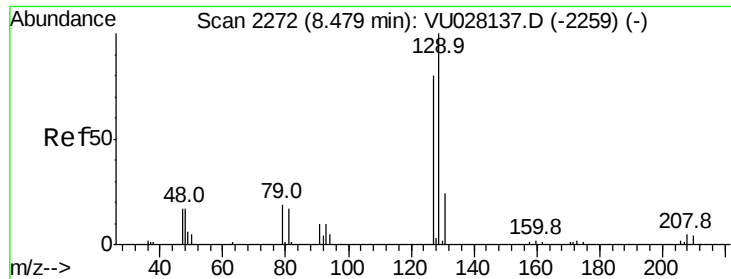
5000

0

8.25 8.30 8.35

Time-->

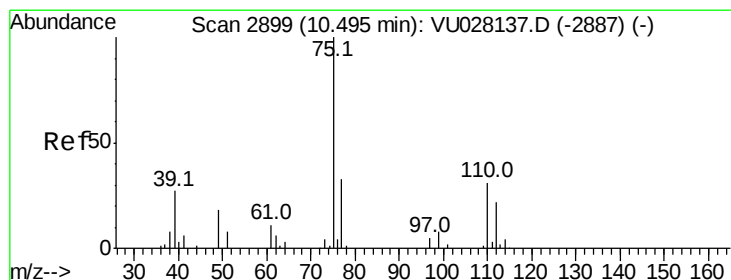
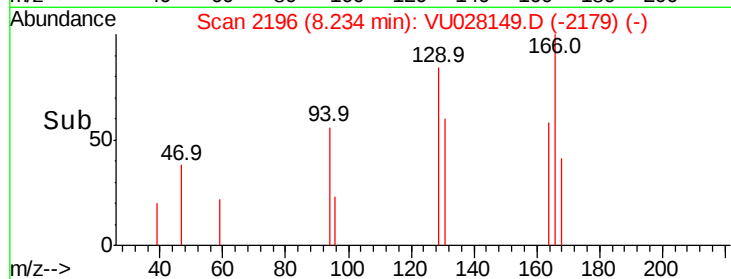
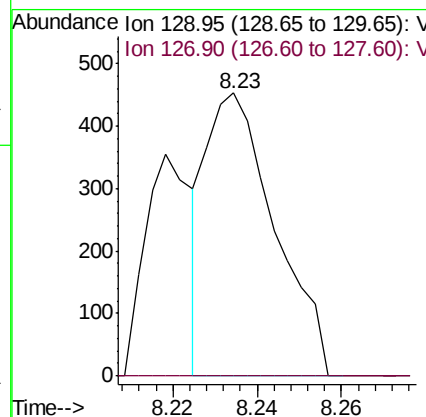
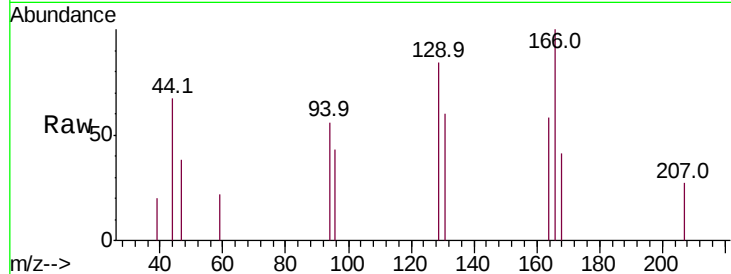




#49
Dibromochloromethane
Concen: 0.068 ug/L
RT: 8.23 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VU028149.D
Acq: 15 Nov 2018 03:17

Instrument :
MSVOA_U
ClientSampleId :
H0FK9

Tot Ion:129 Resp: 513
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#



#59
1,2,3-Trichloropropane
Concen: 1.295 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028149.D
Acq: 15 Nov 2018 03:17

Tgt Ion: 75 Resp: 8538
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

