

Data File : VU032228.D
Acq On : 22 May 2019 17:34
Operator : JC/SP
Sample : K2888-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0BN4DL

Quant Time: May 23 01:51:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 01:46:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	400379	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	398155	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	165204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125703	5.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.80%
7) Chloroethane-d5	1.68	69	105386	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.27	63	184271	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	4.21	46	267360	42.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.30%
24) Chloroform-d	4.64	84	233203	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	5.31	65	118077	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	5.33	84	492526	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.33	67	142792	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.80%
41) Toluene-d8	7.56	98	417491	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	7.85	79	46547	3.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.00%
46) 2-Hexanone-d5	8.31	63	224895	42.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114170	3.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	62.60%#
64) 1,2-Dichlorobenzene-d4	11.85	152	150507	3.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	66.20%#

Target Compounds

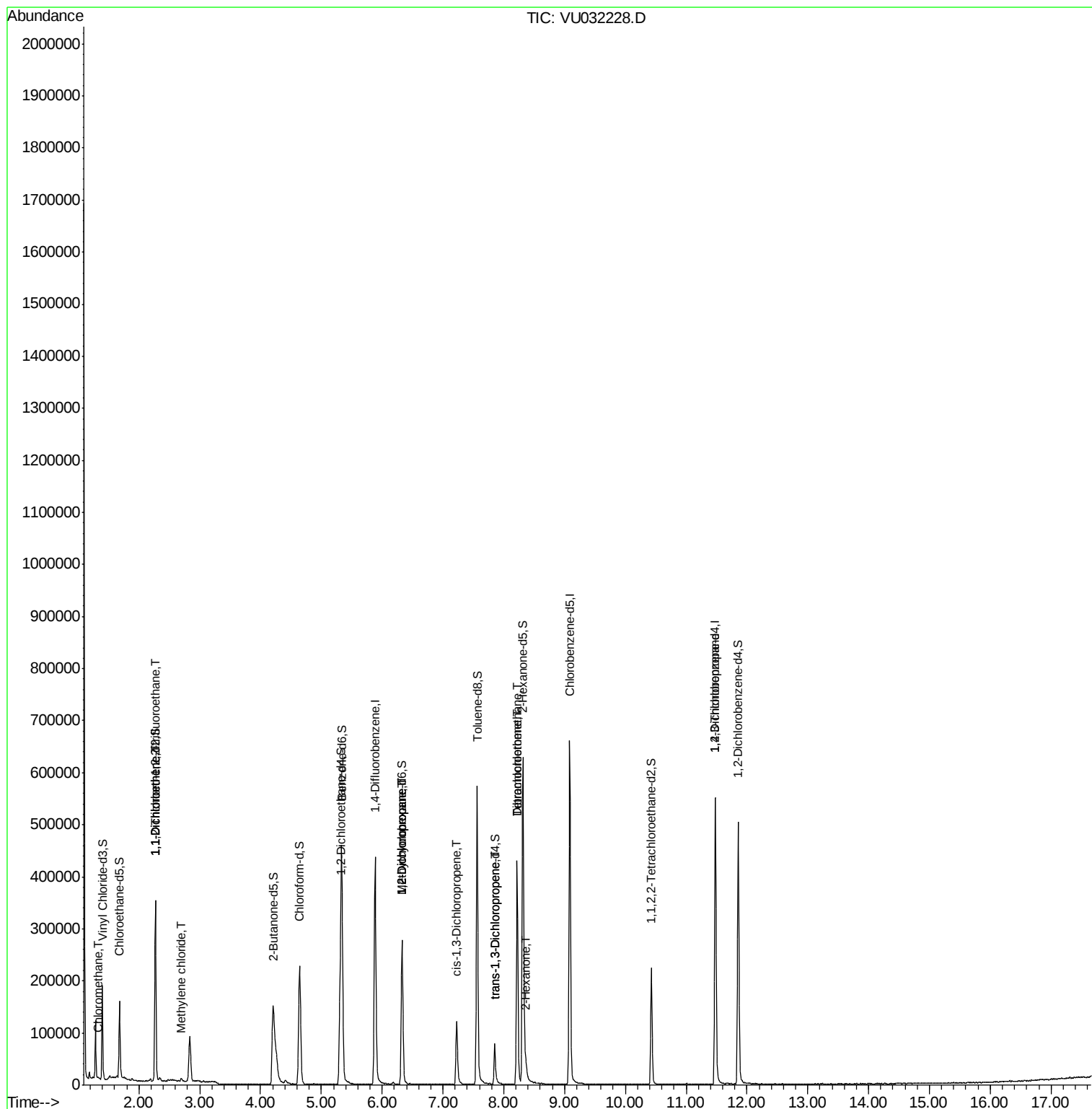
					Qvalue
3) Chloromethane	1.32	50	2573	0.150 ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2060	0.145 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	1695	0.119 ug/L #	1
16) Methylene chloride	2.70	84	2973	0.156 ug/L	91
35) Methylcyclohexane	6.33	83	33220	1.560 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	14609	1.127 ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	3336	0.181 ug/L	84
44) trans-1,3-Dichloropropene	7.85	75	2042	0.141 ug/L	94
47) Tetrachloroethene	8.22	164	104957	8.796 ug/L	96
48) 2-Hexanone	8.37	43	10579	2.104 ug/L #	92
49) Dibromochloromethane	8.22	129	95541	8.382 ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	16912	2.003 ug/L	100

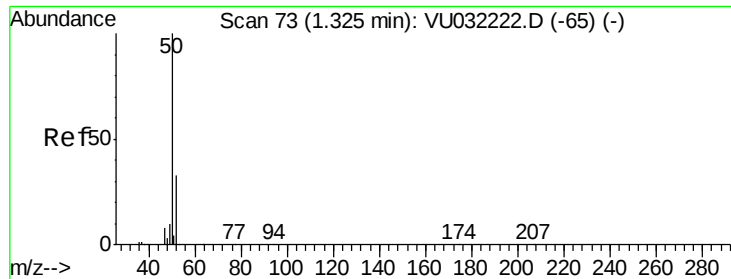
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

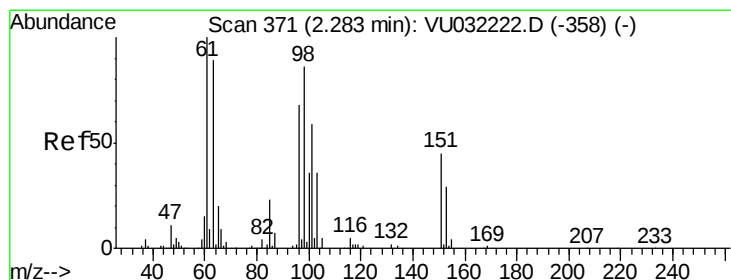
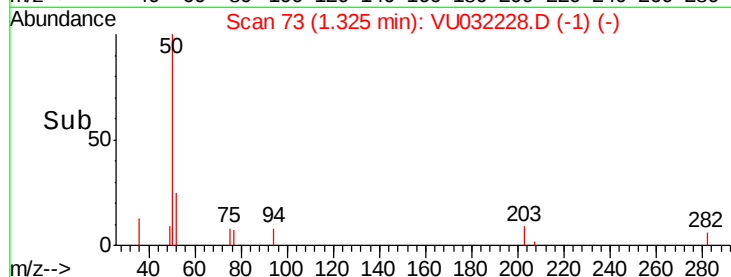
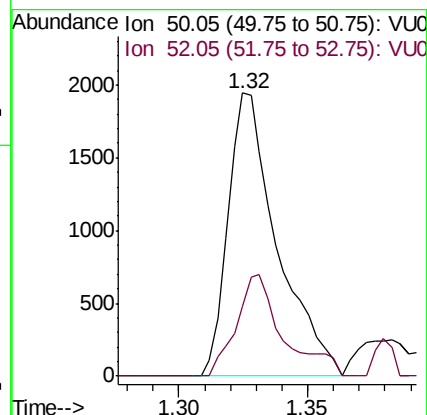
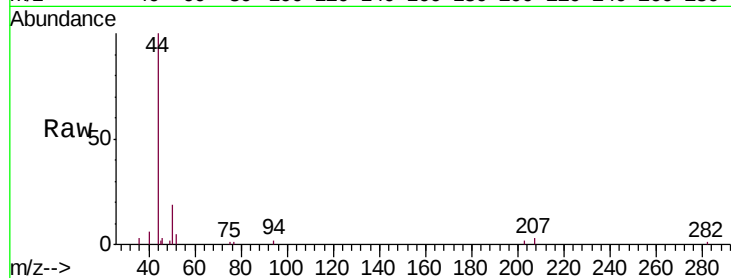
C0BN4DL

Tgt Ion: 50 Resp: 2573

Ion Ratio Lower Upper

50 100

52 24.7 23.3 43.3



#10

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

Concen: 0.145 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

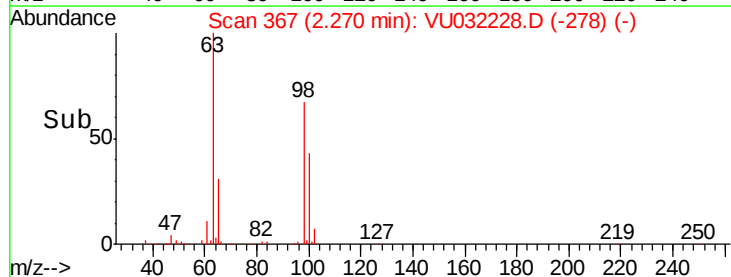
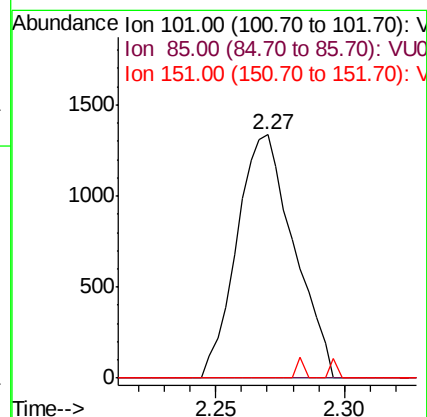
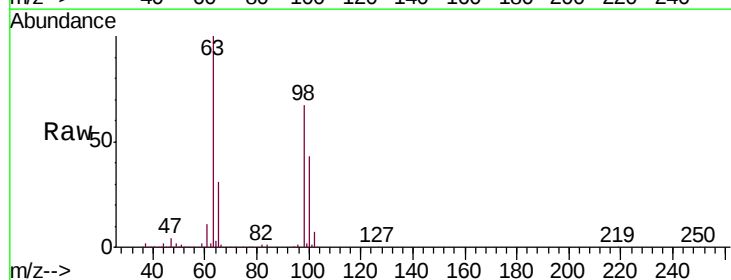
Tgt Ion: 101 Resp: 2060

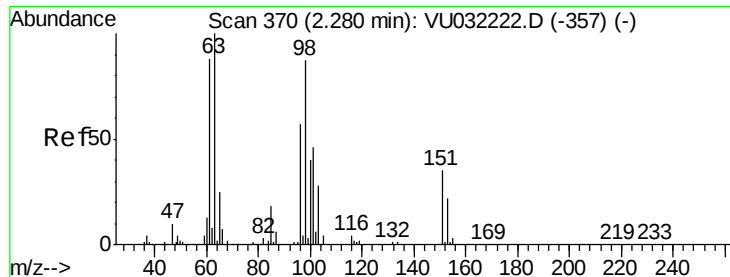
Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

151 1.1 64.4 96.6#





#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

C0BN4DL

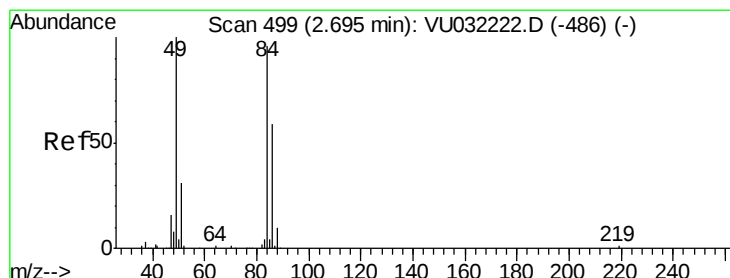
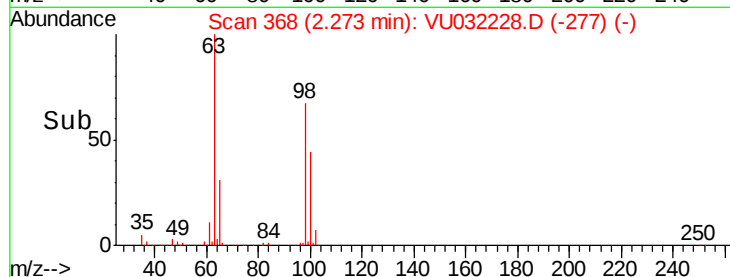
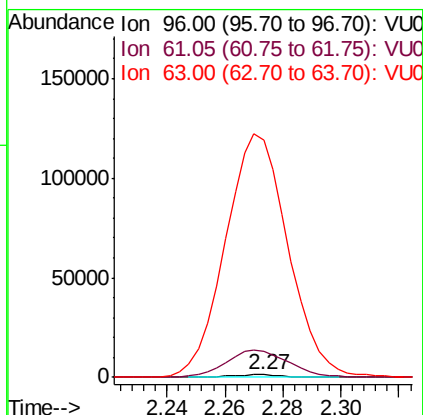
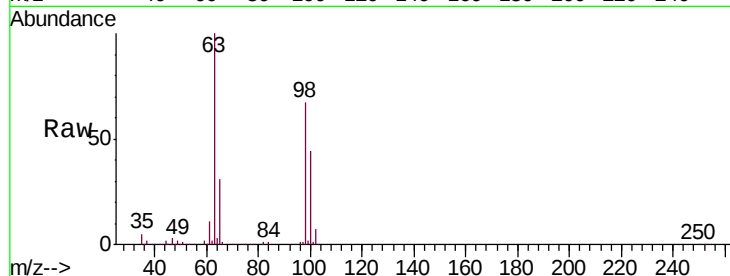
Tgt Ion: 96 Resp: 1695

Ion Ratio Lower Upper

96 100

61 979.8 113.8 211.3#

63 9001.2 108.8 202.2#



#16

Methylene chloride

Concen: 0.156 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

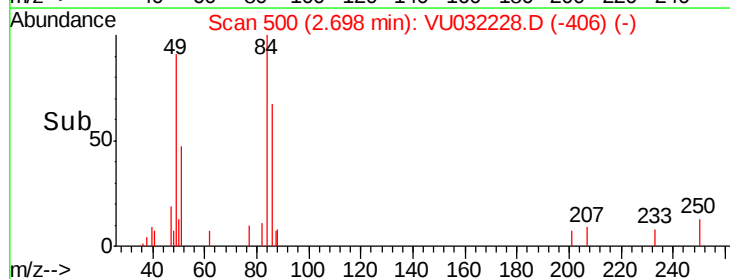
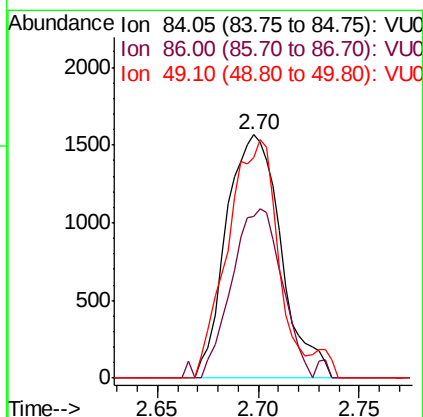
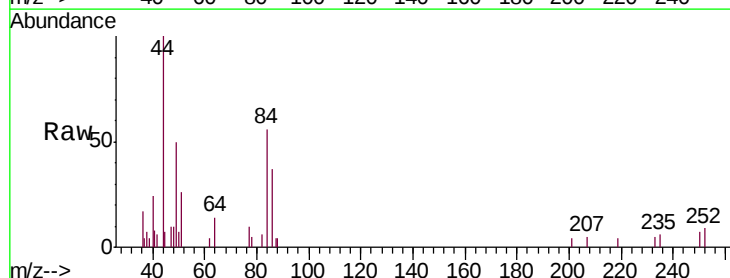
Tgt Ion: 84 Resp: 2973

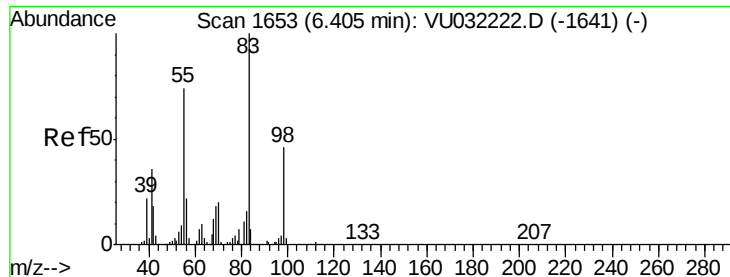
Ion Ratio Lower Upper

84 100

86 66.6 43.6 81.0

49 90.6 71.1 132.1

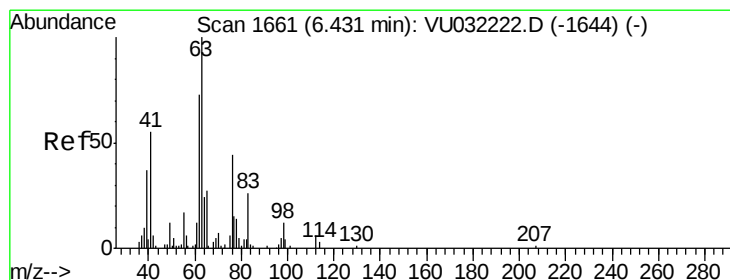
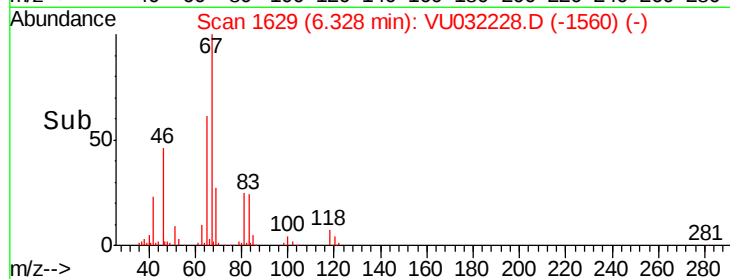
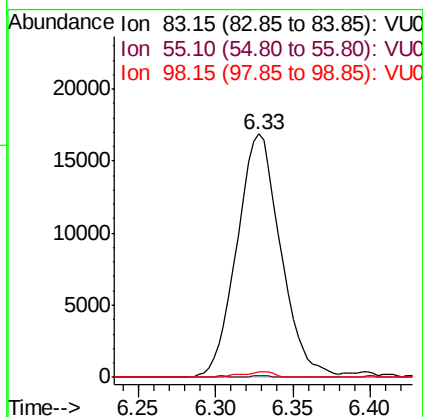
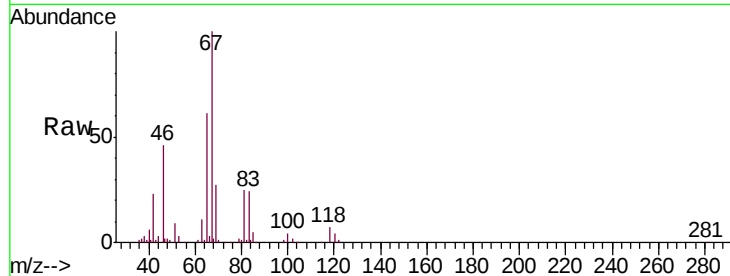




#35
Methylcyclohexane
Concen: 1.560 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032228.D
Acq: 22 May 2019 17:34

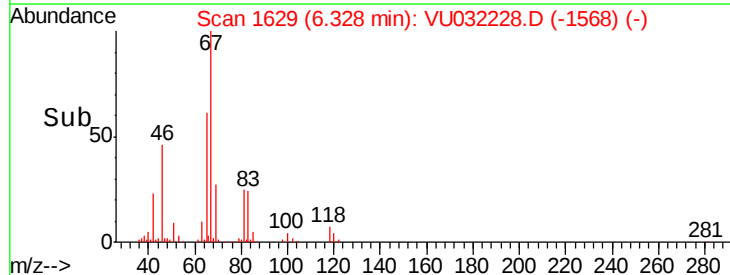
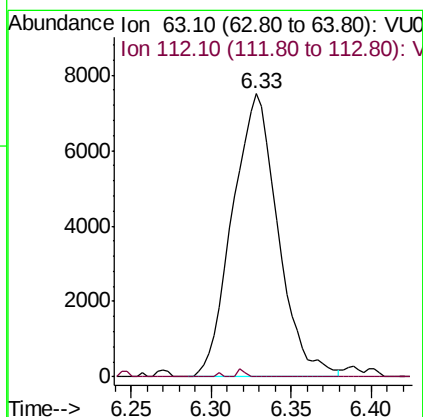
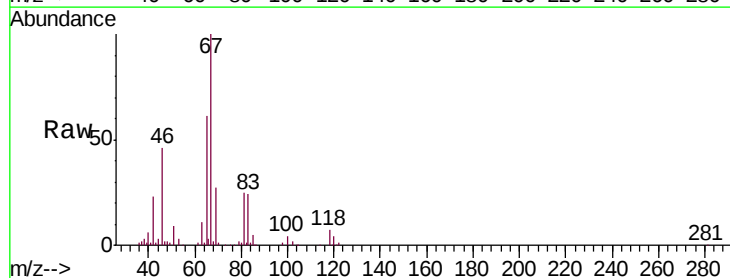
Instrument :
MSVOA_U
ClientSampleId :
C0BN4DL

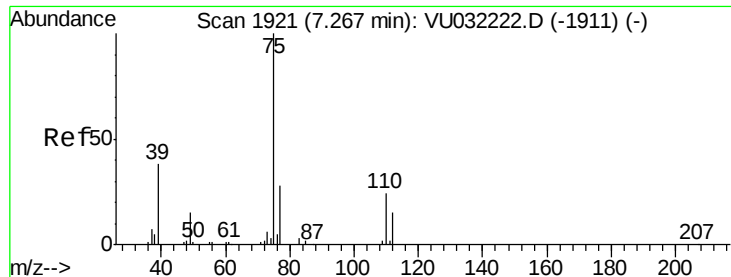
Tgt Ion: 83 Resp: 33220
Ion Ratio Lower Upper
83 100
55 0.3 59.7 89.5#
98 1.7 37.5 56.3#



#37
1,2-Dichloropropane
Concen: 1.127 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032228.D
Acq: 22 May 2019 17:34

Tgt Ion: 63 Resp: 14609
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.8#

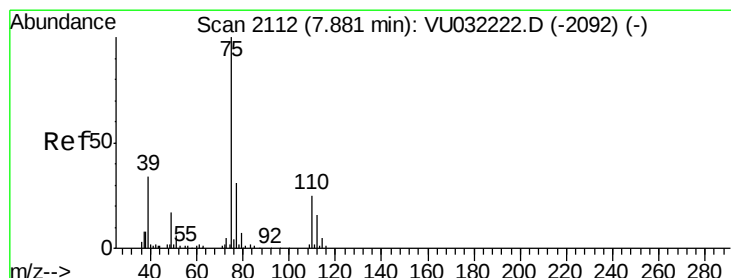
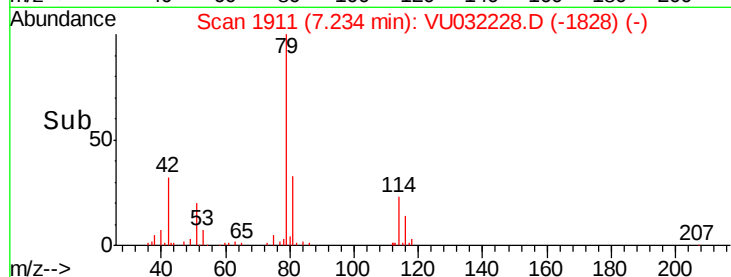
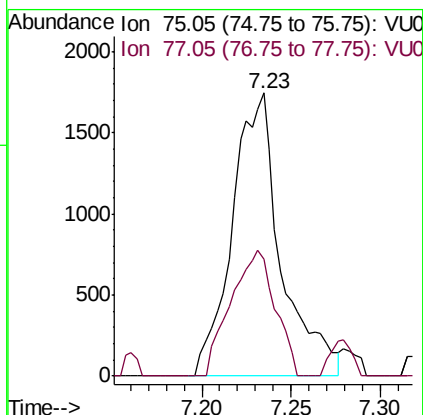
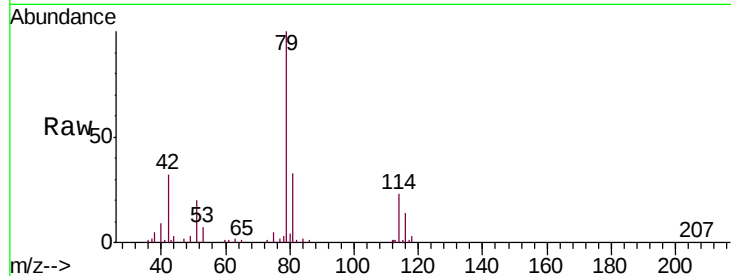




#39
 cis-1,3-Dichloropropene
 Concen: 0.181 ug/L
 RT: 7.23 min Scan# 1911
 Delta R.T. -0.03 min
 Lab File: VU032228.D
 Acq: 22 May 2019 17:34

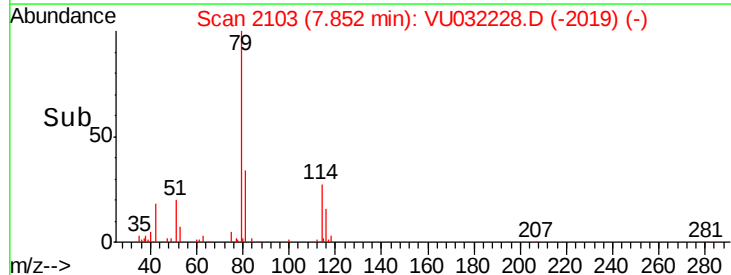
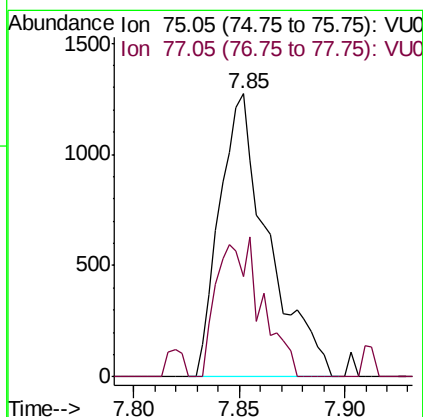
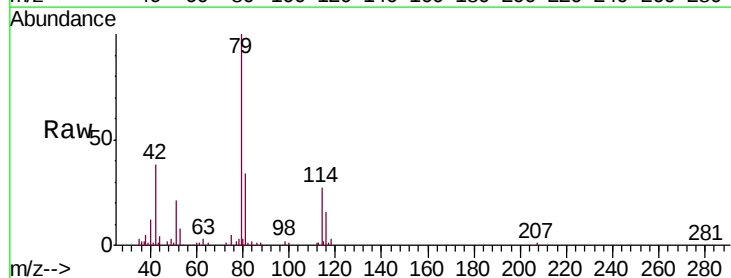
Instrument :
 MSVOA_U
 ClientSampleId :
 C0BN4DL

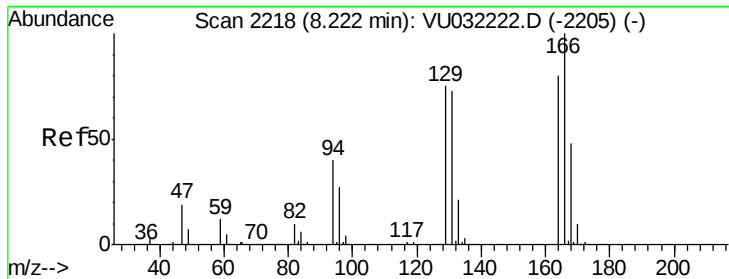
Tgt Ion: 75 Resp: 3336
 Ion Ratio Lower Upper
 75 100
 77 41.4 22.6 42.0



#44
 trans-1,3-Dichloropropene
 Concen: 0.141 ug/L
 RT: 7.85 min Scan# 2103
 Delta R.T. -0.03 min
 Lab File: VU032228.D
 Acq: 22 May 2019 17:34

Tgt Ion: 75 Resp: 2042
 Ion Ratio Lower Upper
 75 100
 77 35.5 22.5 41.9





#47

Tetrachloroethene

Concen: 8.796 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

C0BN4DL

Tgt Ion:164 Resp: 104957

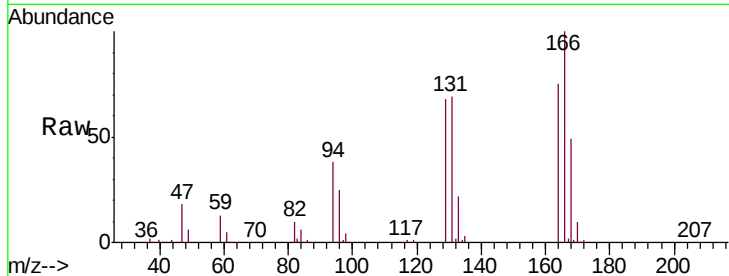
Ion Ratio Lower Upper

164 100

129 90.7 67.1 124.7

131 92.4 62.2 115.4

166 133.8 90.9 168.9

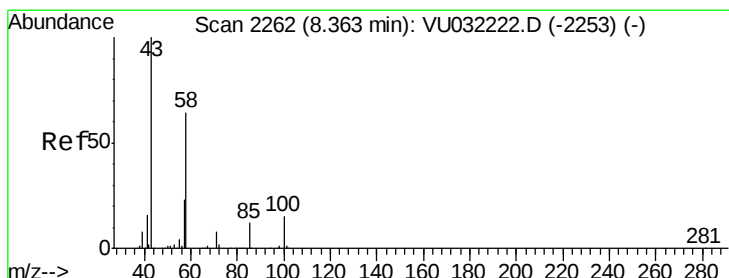
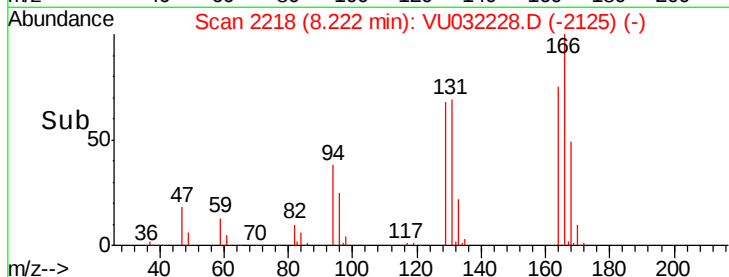
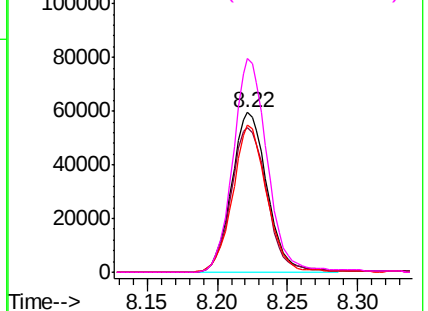


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.104 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

Tgt Ion: 43 Resp: 10579

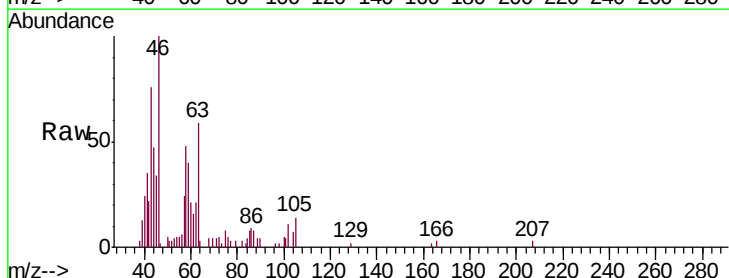
Ion Ratio Lower Upper

43 100

58 59.1 49.7 74.5

57 17.3 17.1 25.7

100 3.8 11.6 17.4#

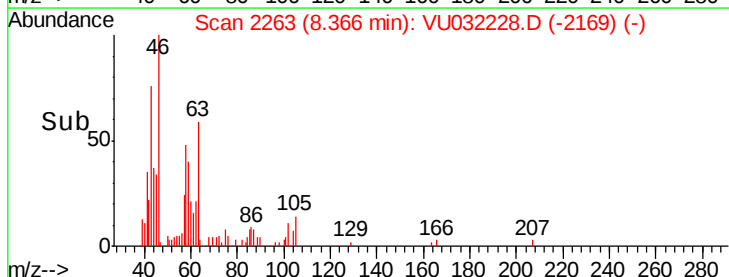
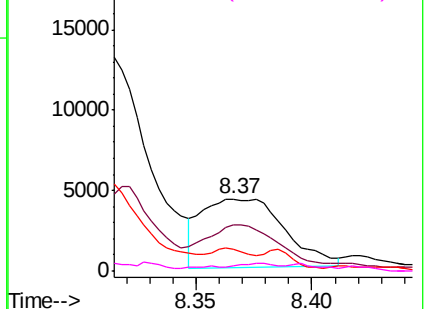


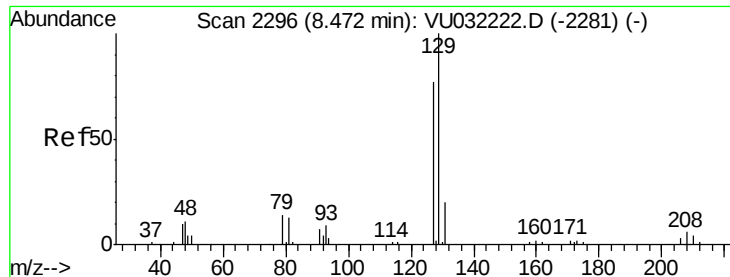
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 8.382 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032228.D

Acq: 22 May 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

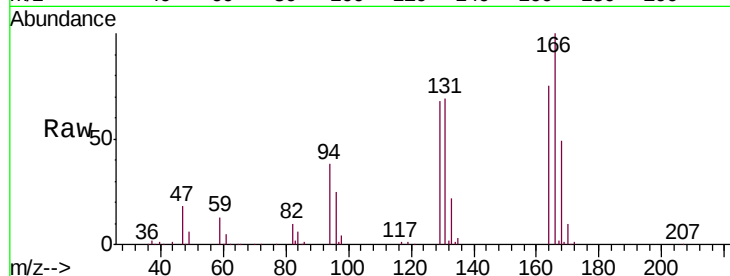
C0BN4DL

Tgt Ion:129 Resp: 95541

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

60000

50000

40000

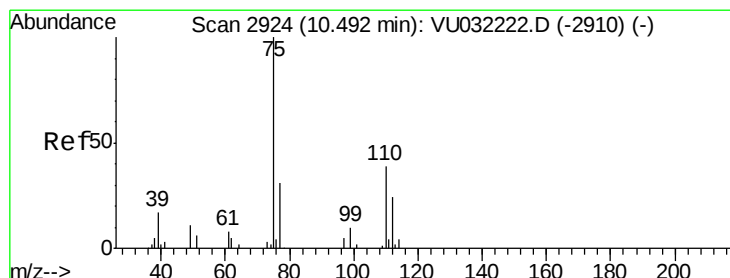
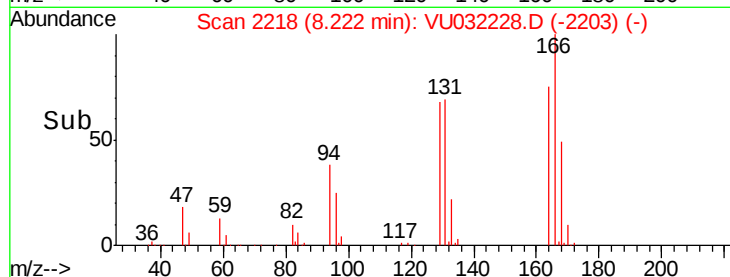
30000

20000

10000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 2.003 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032228.D

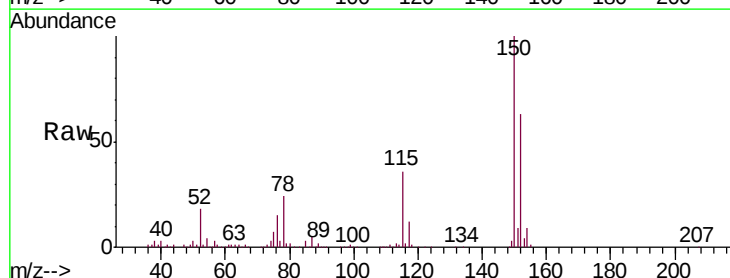
Acq: 22 May 2019 17:34

Tgt Ion: 75 Resp: 16912

Ion Ratio Lower Upper

75 100

77 35.5 28.2 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

12000

10000

8000

6000

4000

2000

0

Time--> 11.40 11.45 11.50 11.55

