

Data File : VU032090.D
Acq On : 17 May 2019 09:05
Operator : JC/SP
Sample : K2739-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB892

Quant Time: May 18 01:54:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 18 01:51:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	371915	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	395706	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	151708	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133882	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.68	69	115255	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.27	63	185059	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.19	46	253834	41.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.54%
24) Chloroform-d	4.64	84	237906	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	118285	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.33	84	494038	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.33	67	142835	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	7.56	98	403874	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	7.85	79	46200	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	8.31	63	214663	37.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118061	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	144996	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

						Qvalue
3) Chloromethane	1.33	50	3268	0.183	ug/L	89
8) Chloroethane	1.72	64	1003	0.086	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2397	0.157	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1811	0.121	ug/L #	1
13) Acetone	2.32	43	18022	8.925	ug/L	94
17) Methyl tert-butyl Ether	3.00	73	5071	0.144	ug/L #	87
22) cis-1,2-Dichloroethene	4.22	96	9303	0.592	ug/L	89
25) Chloroform	4.66	83	3869	0.143	ug/L	87
35) Methylcyclohexane	6.32	83	34099	1.437	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	14838	0.999	ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3083	0.150	ug/L #	75
42) Toluene	7.64	91	18318	0.288	ug/L	95
44) trans-1,3-Dichloropropene	7.85	75	2303	0.144	ug/L #	71
47) Tetrachloroethene	8.22	164	1575	0.128	ug/L #	65
48) 2-Hexanone	8.37	43	5673	1.062	ug/L	93
49) Dibromochloromethane	8.22	129	1170	0.093	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	17644	1.870	ug/L	99

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

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QLast Update : Sat May 18 01:51:41 2019
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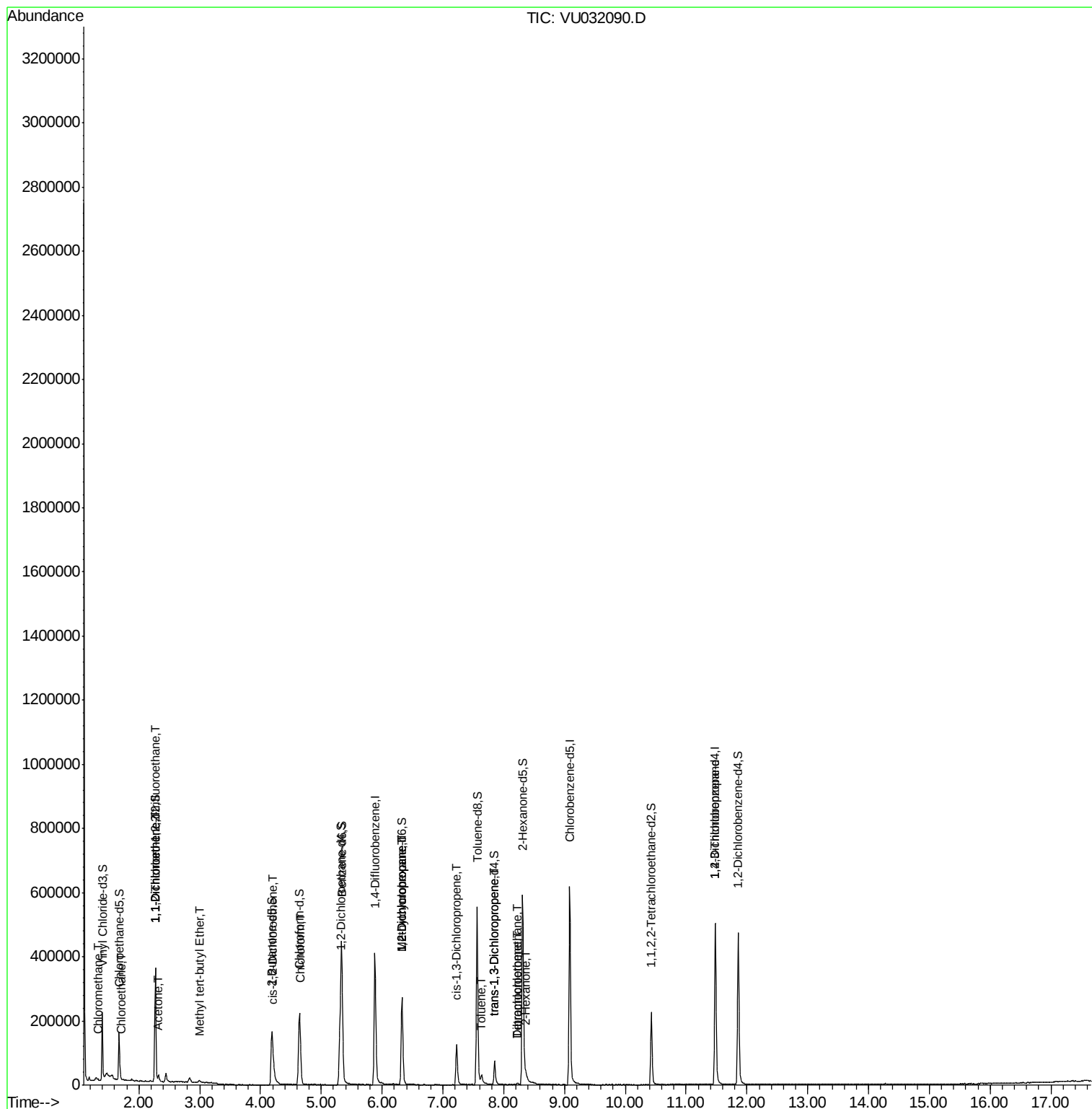
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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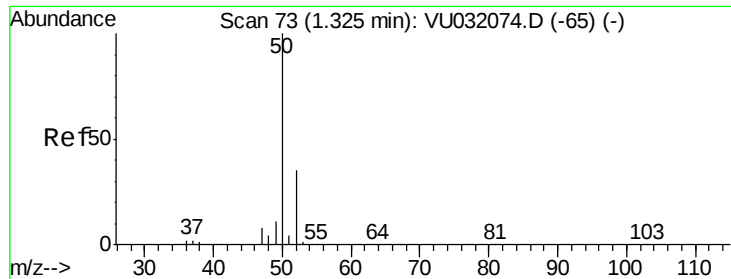
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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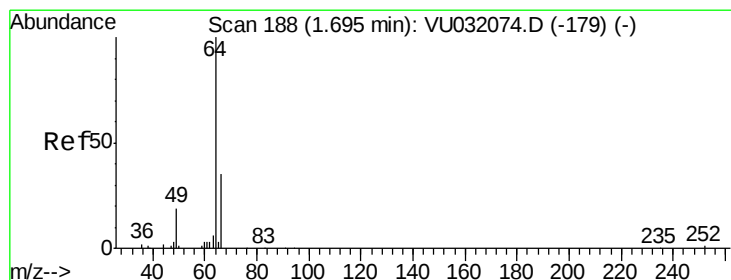
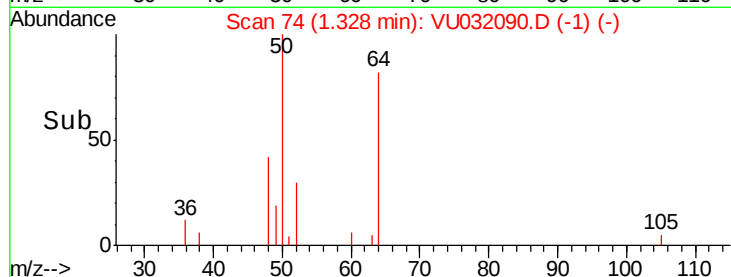
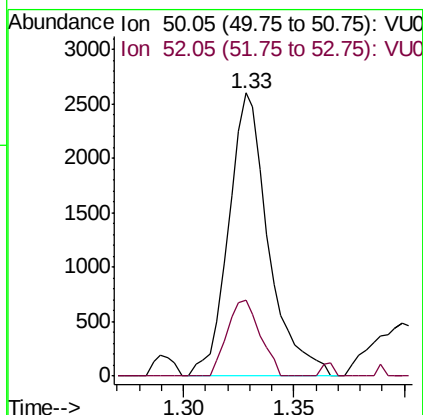
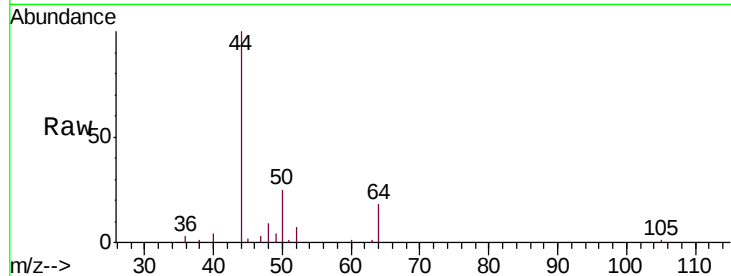




#3
Chloromethane
Concen: 0.183 ug/L
RT: 1.33 min Scan# 74
Delta R.T. 0.00 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

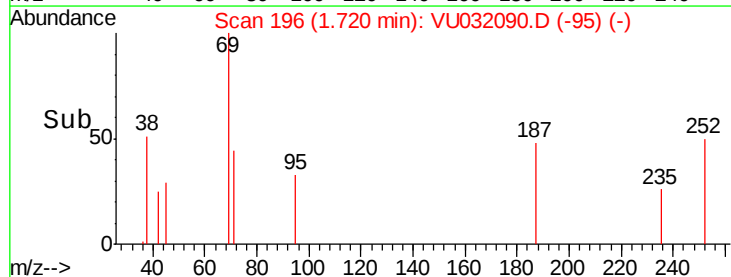
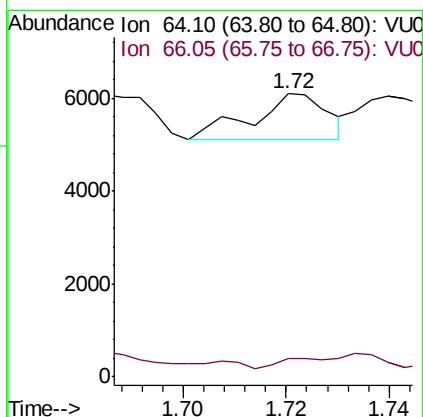
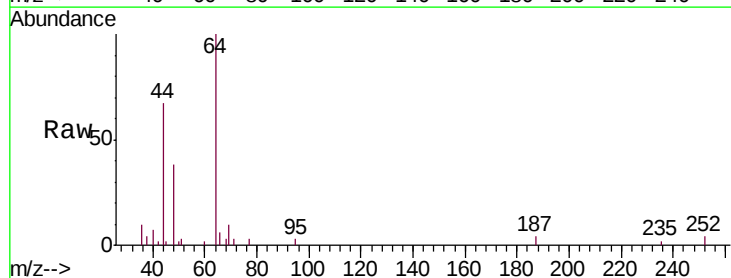
Instrument :
MSVOA_U
ClientSampleId :
DB892

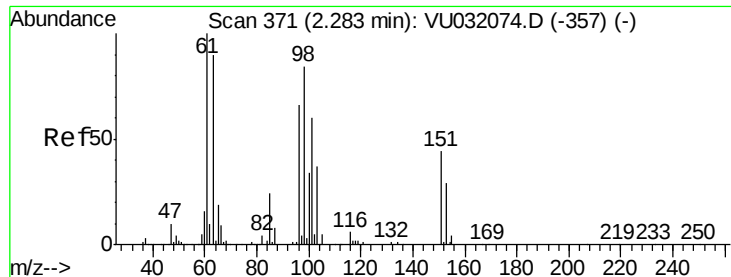
Tgt Ion: 50 Resp: 3268
Ion Ratio Lower Upper
50 100
52 26.7 23.2 43.0



#8
Chloroethane
Concen: 0.086 ug/L
RT: 1.72 min Scan# 196
Delta R.T. 0.03 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

Tgt Ion: 64 Resp: 1003
Ion Ratio Lower Upper
64 100
66 6.5 22.0 41.0#





#10

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

Concen: 0.157 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

Instrument :

MSVOA_U

ClientSampleId :

DB892

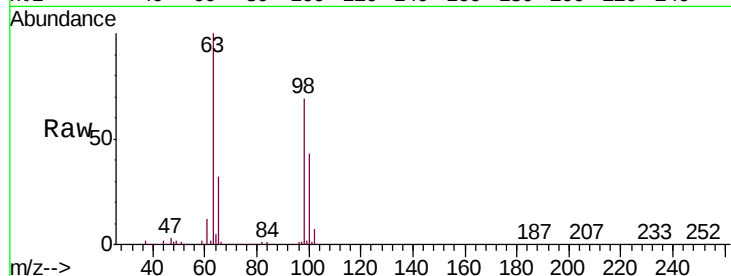
Tgt Ion:101 Resp: 2397

Ion Ratio Lower Upper

101 100

85 1.0 33.8 50.8#

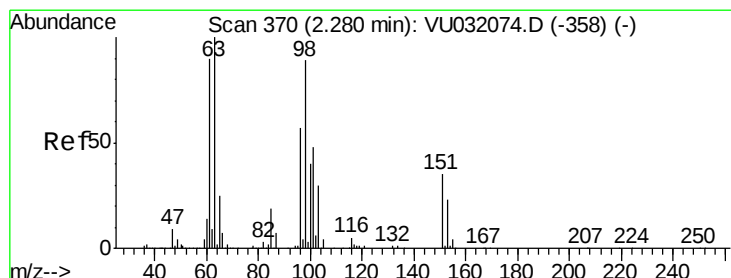
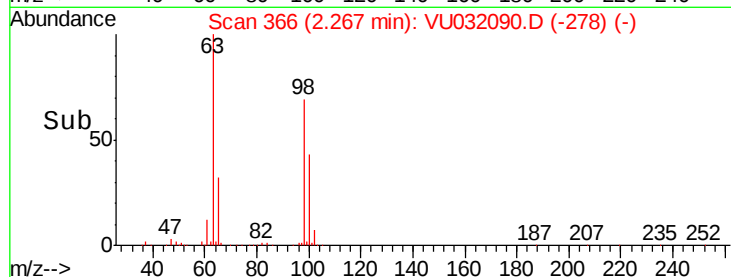
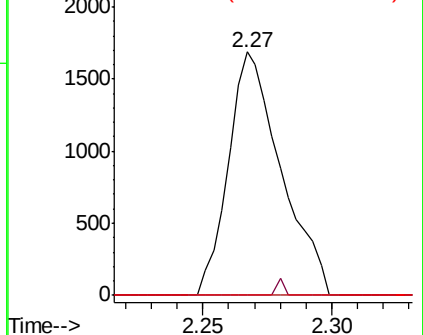
151 0.0 59.4 89.2#



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: 0.121 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

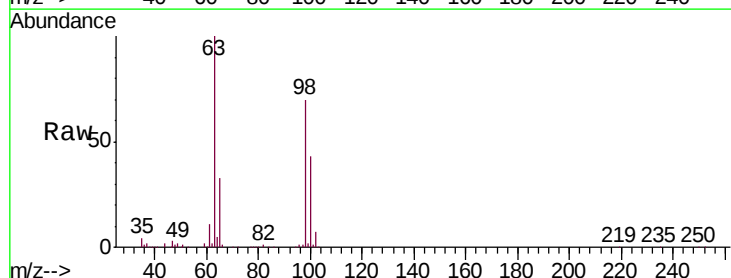
Tgt Ion: 96 Resp: 1811

Ion Ratio Lower Upper

96 100

61 937.8 111.7 207.5#

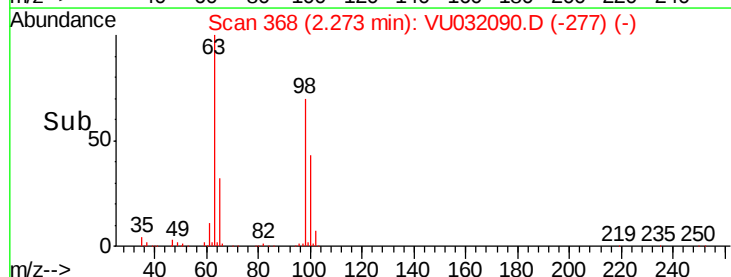
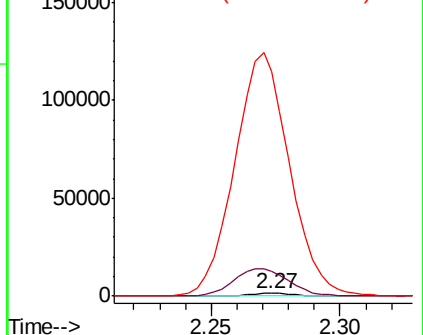
63 8479.6 152.2 282.6#

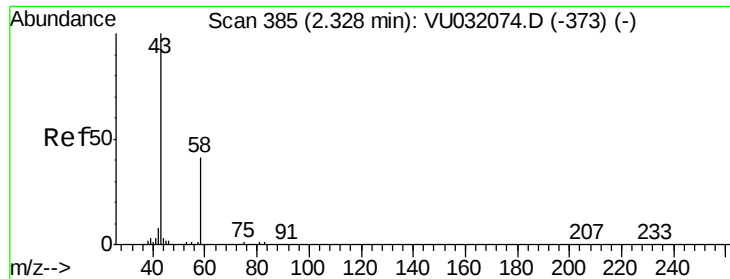


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.925 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

Instrument :

MSVOA_U

ClientSampleId :

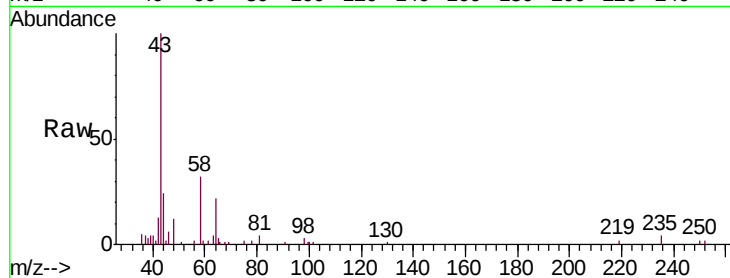
DB892

Tgt Ion: 43 Resp: 18022

Ion Ratio Lower Upper

43 100

58 35.6 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032074.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU032074.D (-373) (-)

2.32

12000

10000

8000

6000

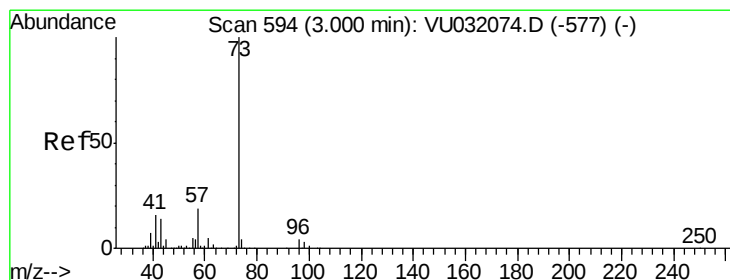
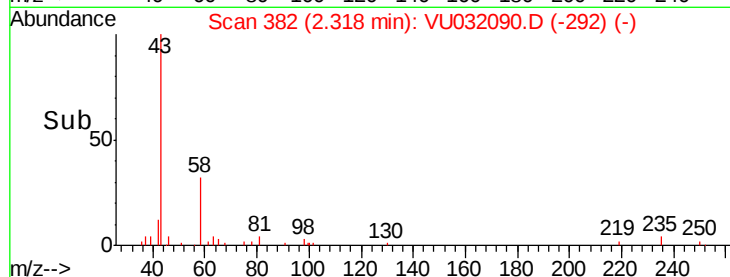
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#17

Methyl tert-butyl Ether

Concen: 0.144 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

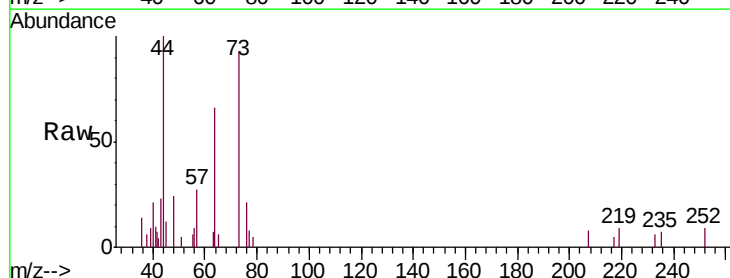
Tgt Ion: 73 Resp: 5071

Ion Ratio Lower Upper

73 100

43 10.0 13.0 19.6#

57 16.8 17.9 26.9#



Abundance Ion 73.10 (72.80 to 73.80): VU032074.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032074.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032074.D (-577) (-)

3.00

2500

2000

1500

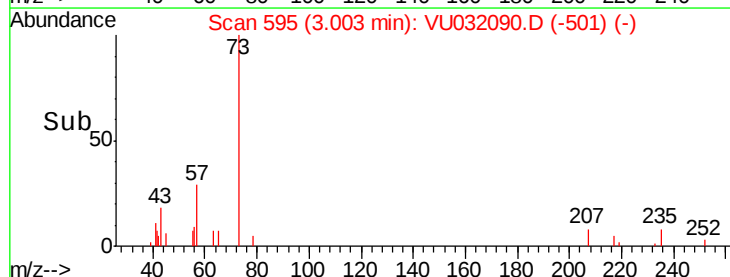
1000

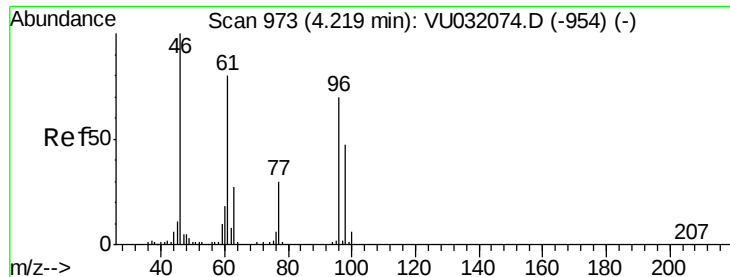
500

0

Time-->

2.95 3.00 3.05



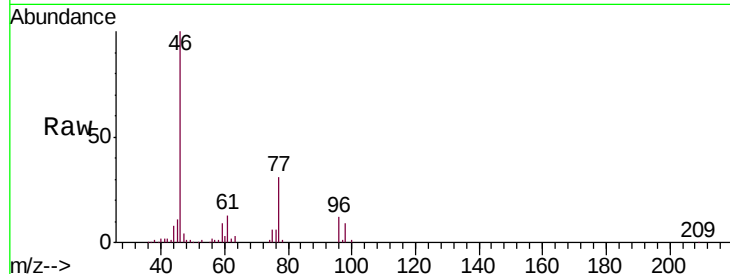


#22

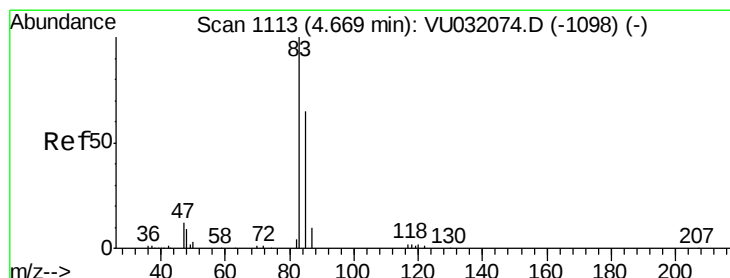
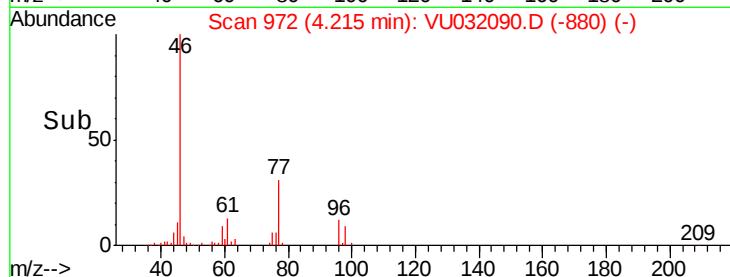
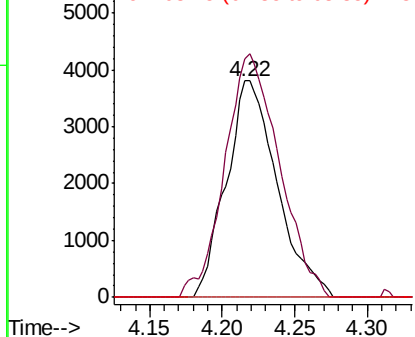
cis-1,2-Dichloroethene
 Concen: 0.592 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032090.D
 Acq: 17 May 2019 09:05

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 96 Resp: 9303
 Ion Ratio Lower Upper
 96 100
 61 110.5 85.8 159.4
 68 0.0 0.0 0.0



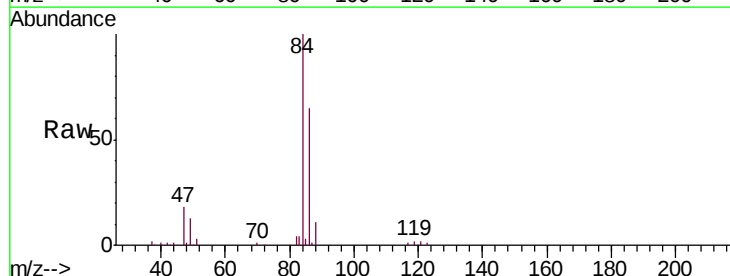
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



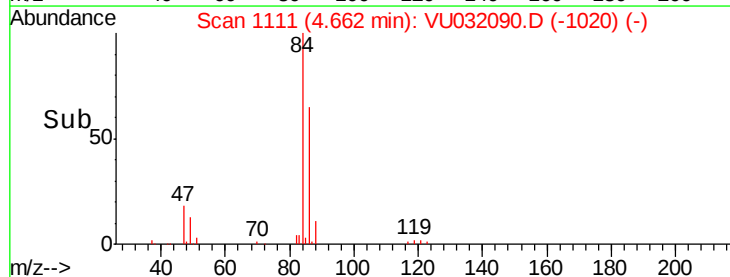
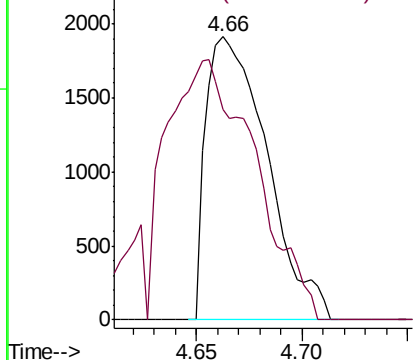
#25

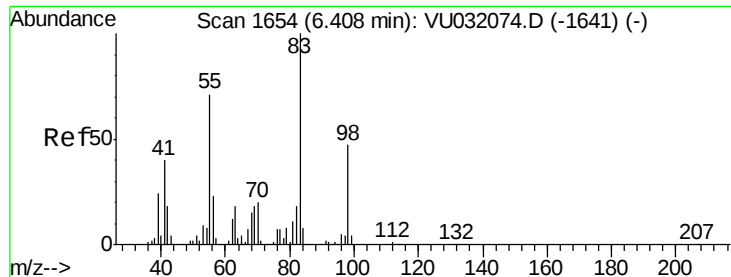
Chloroform
 Concen: 0.143 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VU032090.D
 Acq: 17 May 2019 09:05

Tgt Ion: 83 Resp: 3869
 Ion Ratio Lower Upper
 83 100
 85 74.5 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

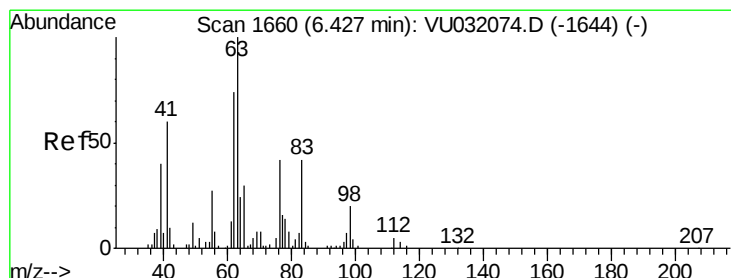
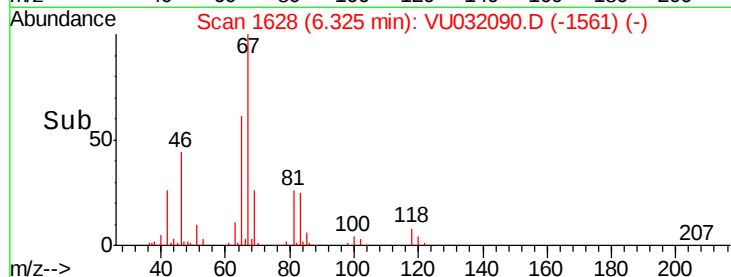
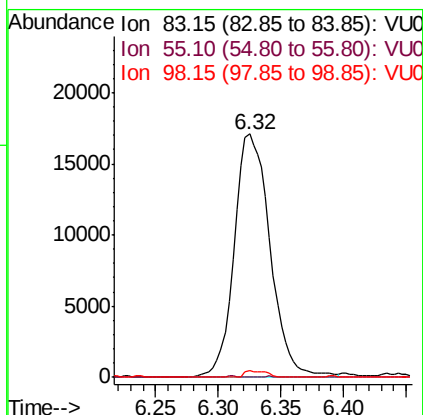
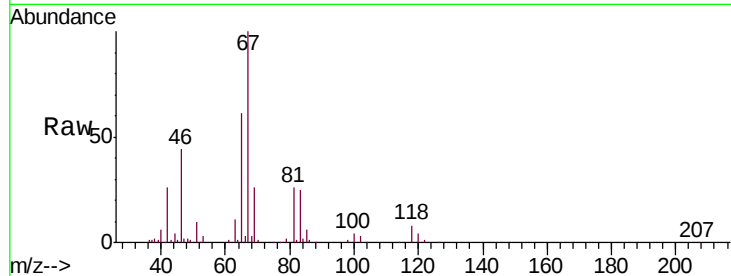




#35
Methylcyclohexane
Concen: 1.437 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

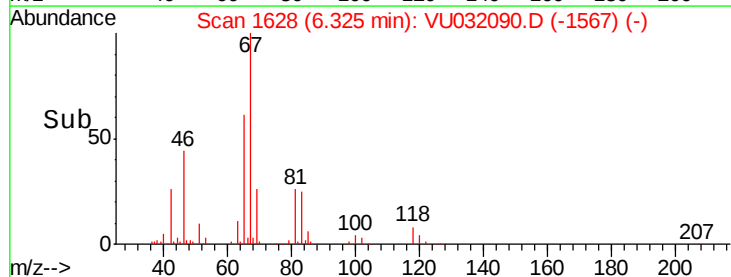
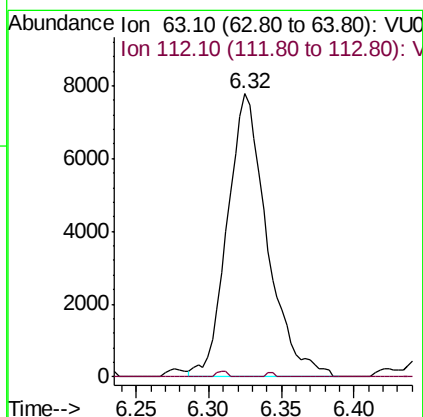
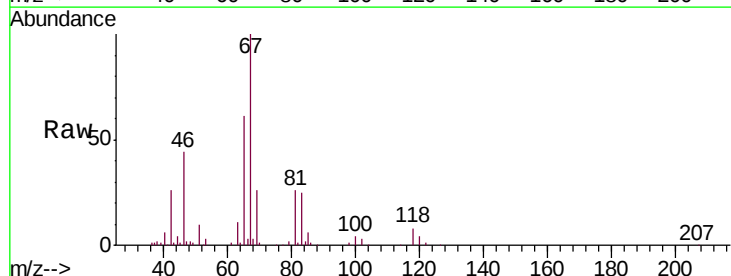
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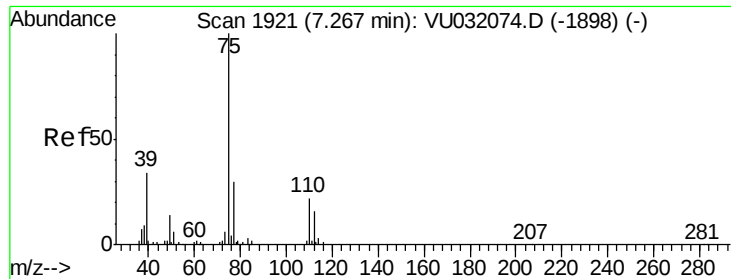
Tgt Ion: 83 Resp: 34099
Ion Ratio Lower Upper
83 100
55 0.1 59.7 89.5#
98 1.6 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 0.999 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

Tgt Ion: 63 Resp: 14838
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.6#

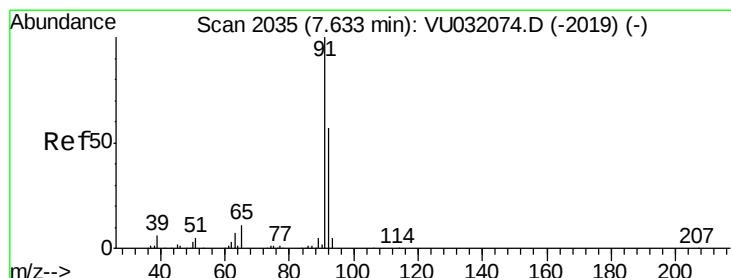
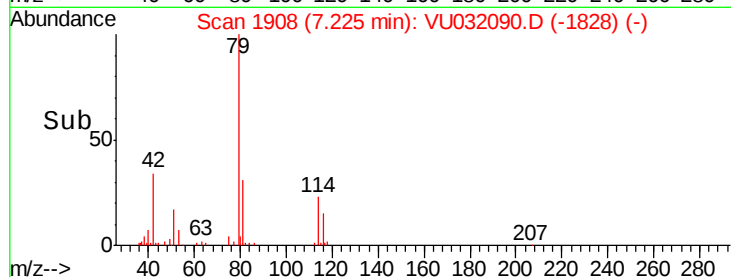
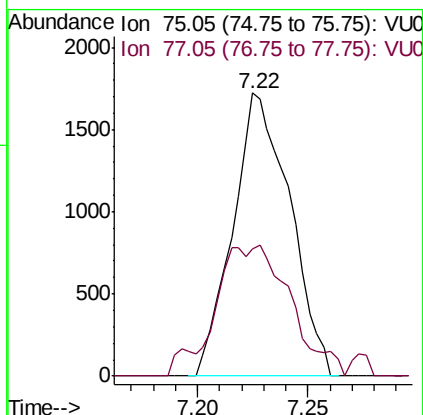
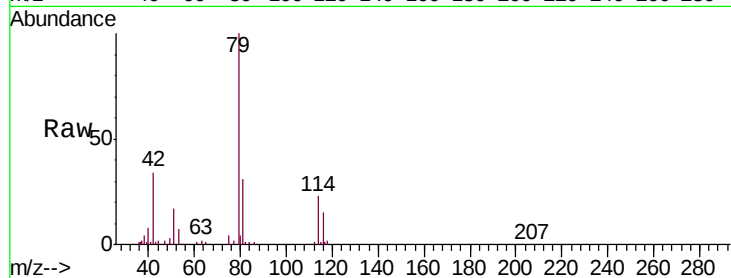




#39
 cis-1,3-Dichloropropene
 Concen: 0.150 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032090.D
 Acq: 17 May 2019 09:05

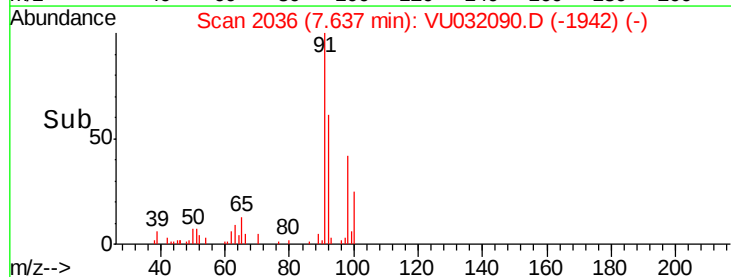
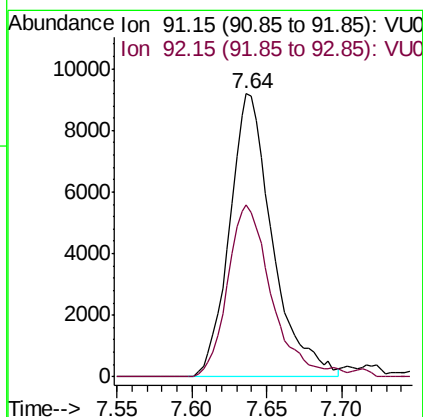
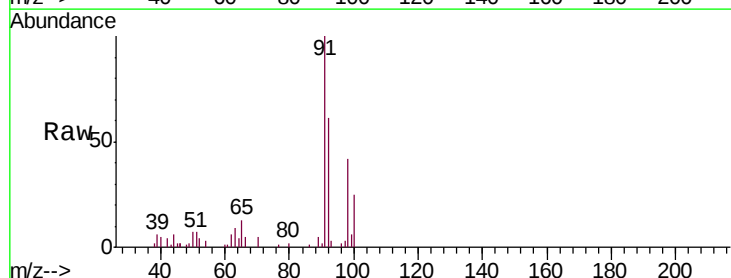
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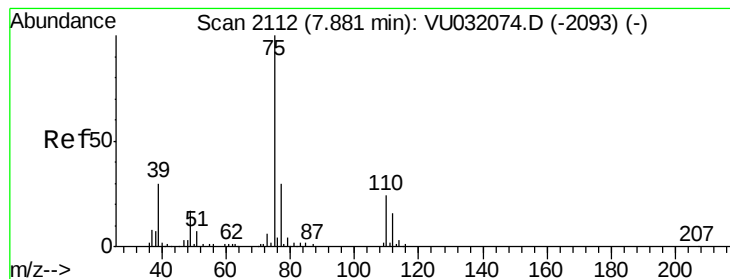
Tgt Ion: 75 Resp: 3083
 Ion Ratio Lower Upper
 75 100
 77 44.9 21.7 40.3#



#42
 Toluene
 Concen: 0.288 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU032090.D
 Acq: 17 May 2019 09:05

Tgt Ion: 91 Resp: 18318
 Ion Ratio Lower Upper
 91 100
 92 61.0 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.144 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.04 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

Instrument :

MSVOA_U

ClientSampled :

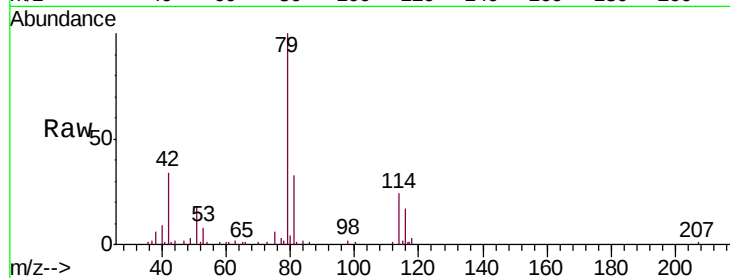
DB892

Tgt Ion: 75 Resp: 2303

Ion Ratio Lower Upper

75 100

77 45.6 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU032074.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032074.D (-2093) (-)

7.85

1500

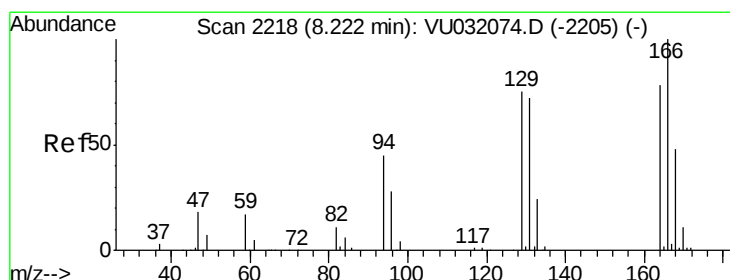
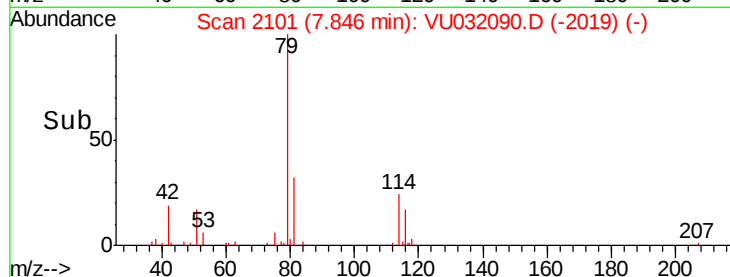
1000

500

0

7.80 7.85 7.90

Time-->



#47

Tetrachloroethene

Concen: 0.128 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

Tgt Ion: 164 Resp: 1575

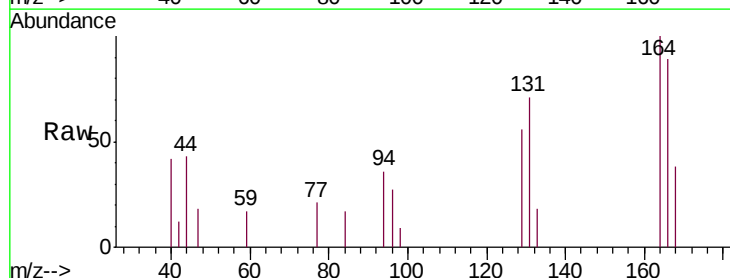
Ion Ratio Lower Upper

164 100

129 56.1 70.3 130.5#

131 70.8 64.5 119.9

166 89.1 92.3 171.5#



Abundance Ion 163.90 (163.60 to 164.60): VU032074.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032074.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032074.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032074.D (-2205) (-)

1500

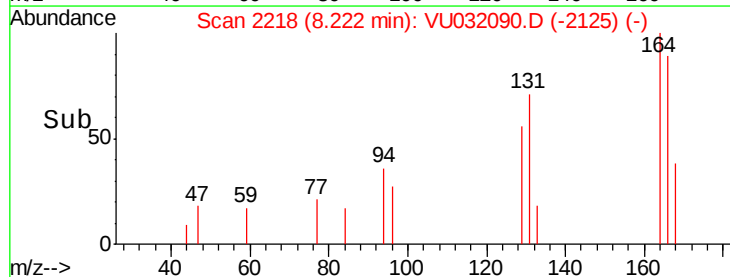
1000

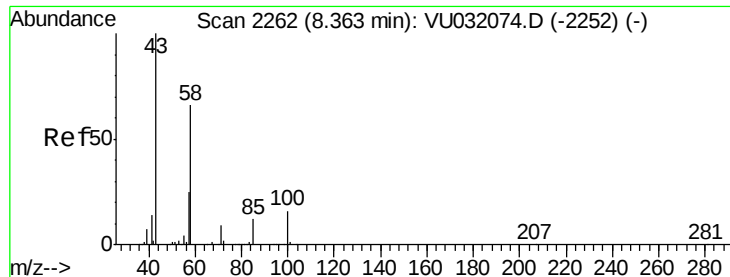
500

0

8.20 8.22 8.24

Time-->

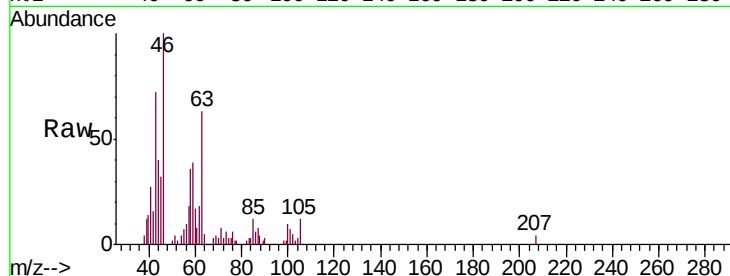




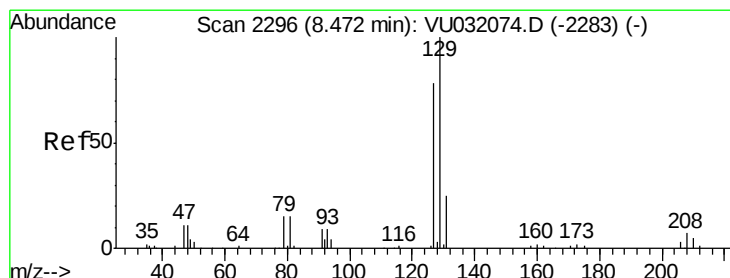
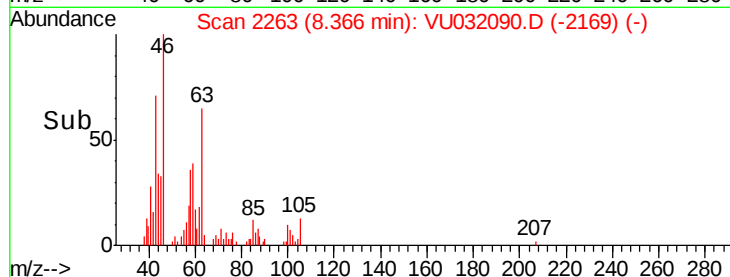
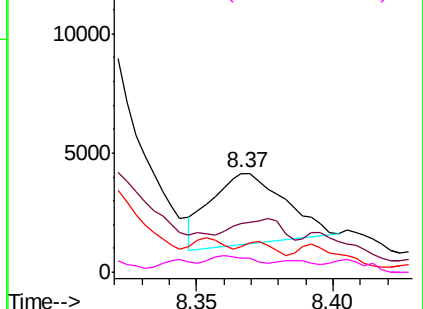
#48
2-Hexanone
Concen: 1.062 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

Instrument :
MSVOA_U
ClientSampleId :
DB892

Tgt Ion:	43	Resp:	5673
Ion	Ratio	Lower	Upper
43	100		
58	57.0	51.6	77.4
57	21.5	18.4	27.6
100	15.2	12.2	18.4

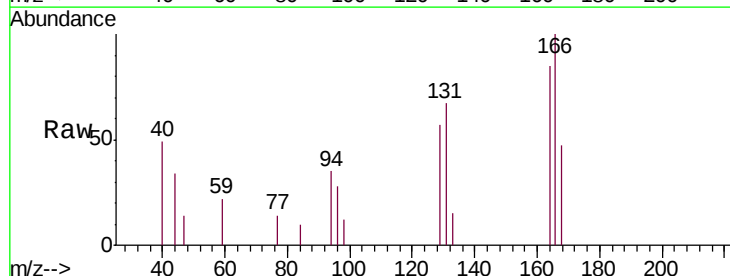


Abundance Ion 43.05 (42.75 to 43.75): VU032074.D (-2252) (-)
Ion 58.05 (57.75 to 58.75): VU032074.D (-2252) (-)
Ion 57.20 (56.90 to 57.90): VU032074.D (-2252) (-)
Ion 100.15 (99.85 to 100.85): VU032074.D (-2252) (-)

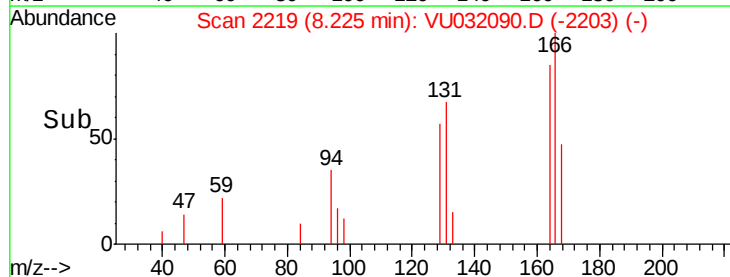
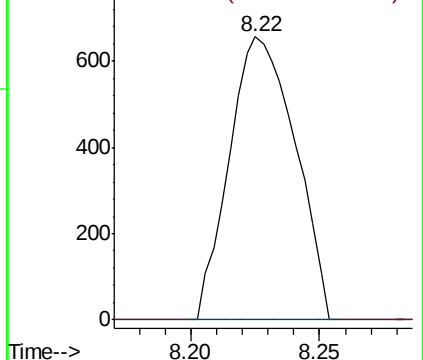


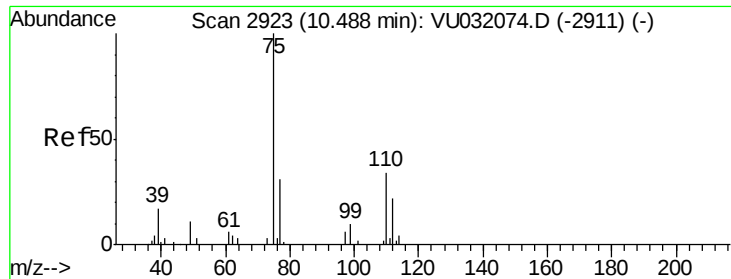
#49
Dibromochloromethane
Concen: 0.093 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU032090.D
Acq: 17 May 2019 09:05

Tgt Ion:	129	Resp:	1170
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.2	102.6



Abundance Ion 128.95 (128.65 to 129.65): VU032074.D (-2283) (-)
Ion 126.90 (126.60 to 127.60): VU032074.D (-2283) (-)





#59

1,2,3-Trichloropropane

Concen: 1.870 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032090.D

Acq: 17 May 2019 09:05

Instrument :

MSVOA_U

ClientSampleId :

DB892

Tgt Ion: 75 Resp: 17644

Ion Ratio Lower Upper

75 100

77 33.5 26.2 39.2

