

Data File : VU032152.D
Acq On : 20 May 2019 14:02
Operator : JC/SP
Sample : K2860-05DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W32DL

Quant Time: May 21 06:43:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 06:39:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	359782	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	372959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	151694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	108516	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.68	69	92080	3.56	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.20%
11) 1,1-Dichloroethene-d2	2.27	63	157513	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.20	46	255623	42.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.92%
24) Chloroform-d	4.64	84	223390	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.31	65	114040	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.33	84	446772	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
36) 1,2-Dichloropropane-d6	6.33	67	133265	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.20%
41) Toluene-d8	7.56	98	356552	3.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
43) trans-1,3-Dichloropropene-	7.85	79	46215	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.31	63	208770	38.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113019	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	140544	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	2607	0.151	ug/L #	63
5) Vinyl chloride	1.40	62	2994	0.165	ug/L #	23
12) 1,1-Dichloroethene	2.28	96	3148	0.218	ug/L #	1
13) Acetone	2.34	43	26336	13.483	ug/L	91
15) Methyl Acetate	2.70	43	12609	2.251	ug/L #	43
16) Methylene chloride	2.69	84	6200	0.360	ug/L #	79
18) trans-1,2-Dichloroethene	2.97	96	7408	0.479	ug/L	85
22) cis-1,2-Dichloroethene	4.22	96	44788	2.944	ug/L	88
34) Trichloroethene	6.18	95	83729	5.390	ug/L	94
35) Methylcyclohexane	6.32	83	32925	1.472	ug/L #	20
37) 1,2-Dichloropropane	6.32	63	14579	1.041	ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	3044	0.157	ug/L #	70
47) Tetrachloroethene	8.23	164	2038	0.175	ug/L	89
48) 2-Hexanone	8.38	43	12410	2.465	ug/L #	61
49) Dibromochloromethane	8.23	129	1851	0.155	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	14225	1.599	ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 06:39:31 2019
Response via : Initial Calibration

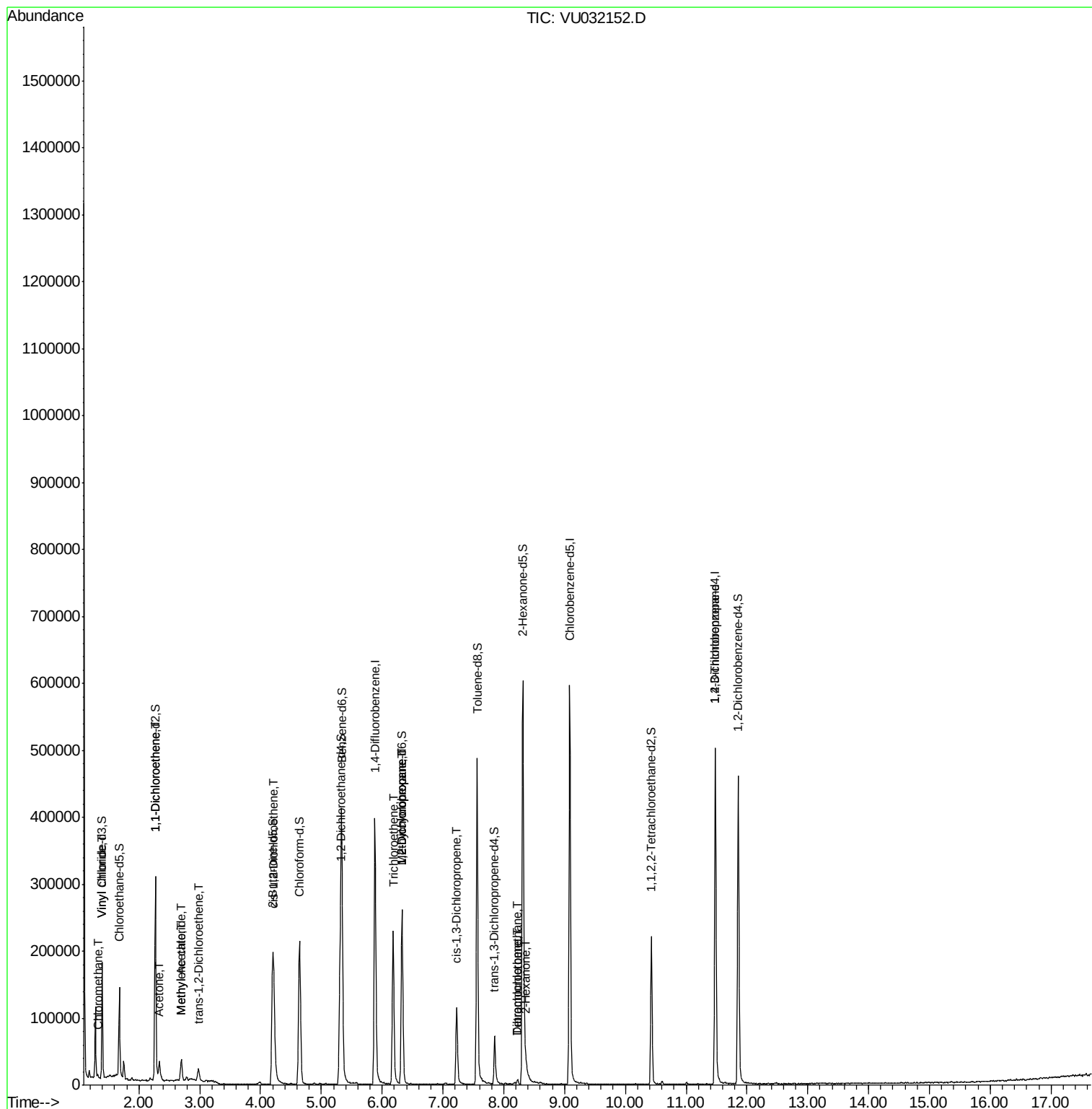
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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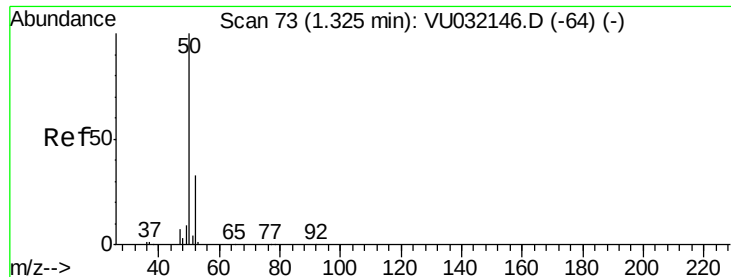
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.151 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

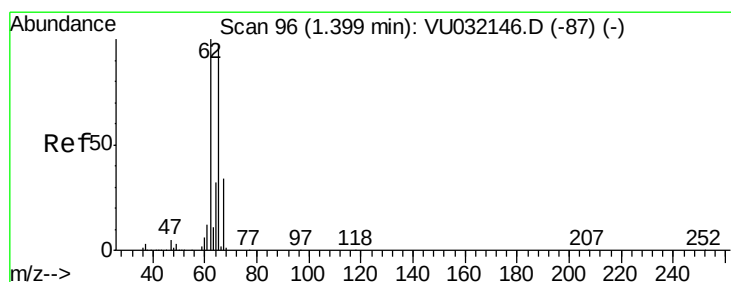
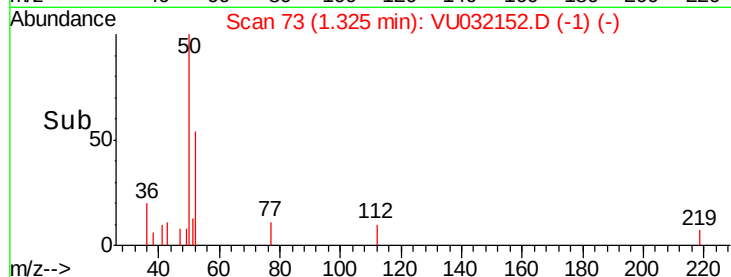
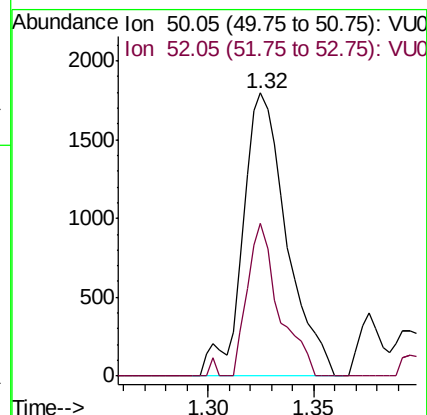
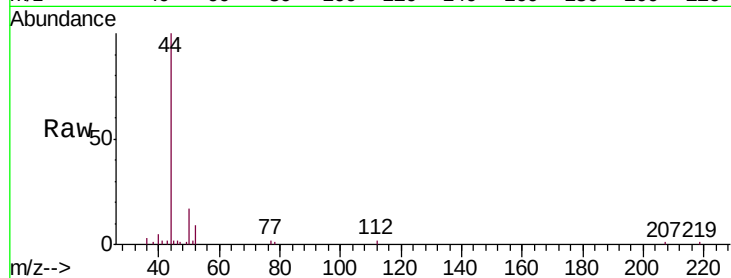
F9W32DL

Tgt Ion: 50 Resp: 2607

Ion Ratio Lower Upper

50 100

52 53.8 23.2 43.0#



#5

Vinyl chloride

Concen: 0.165 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032152.D

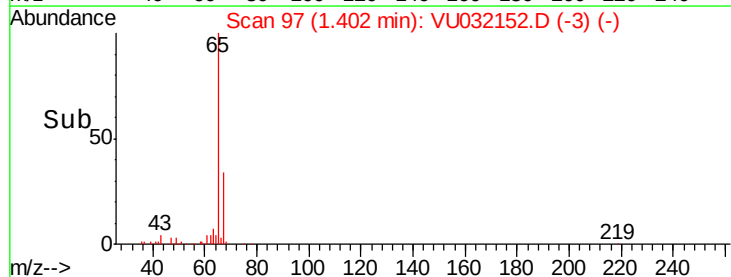
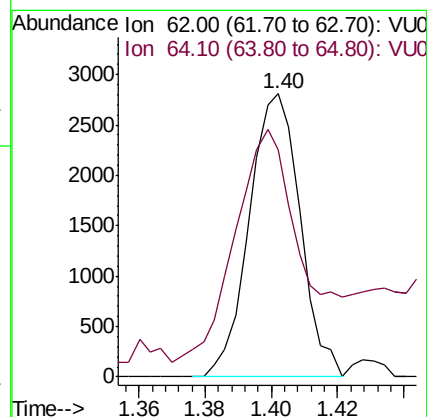
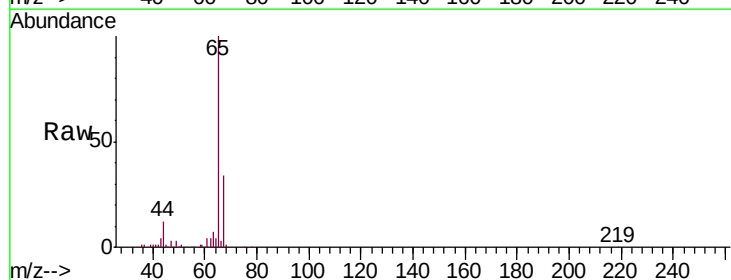
Acq: 20 May 2019 14:02

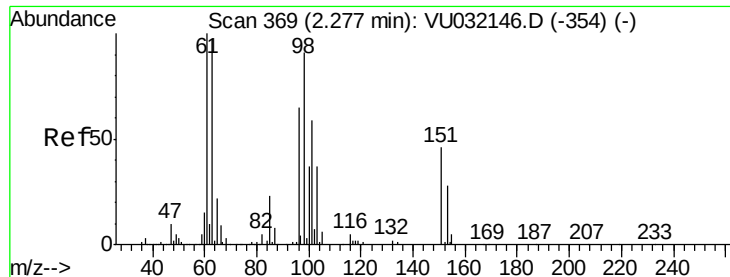
Tgt Ion: 62 Resp: 2994

Ion Ratio Lower Upper

62 100

64 80.3 24.8 46.1#





#12

1,1-Dichloroethene

Concen: 0.218 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

F9W32DL

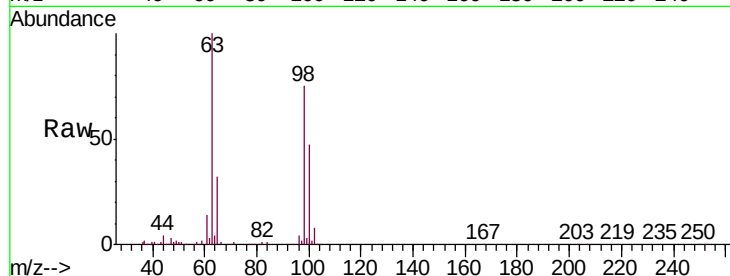
Tgt Ion: 96 Resp: 3148

Ion Ratio Lower Upper

96 100

61 397.6 111.7 207.5#

63 2762.9 152.2 282.6#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

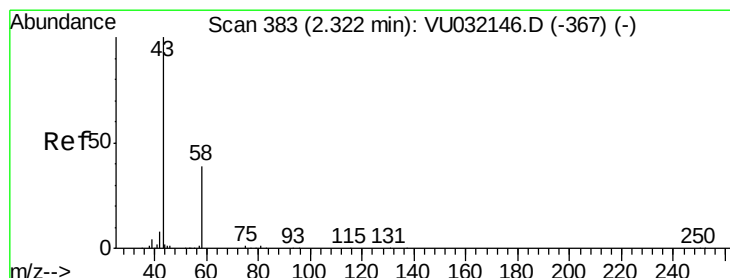
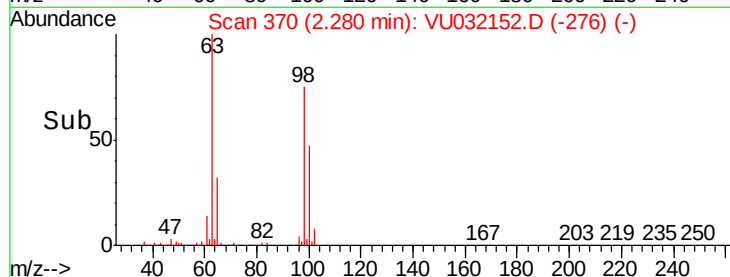
Ion 63.00 (62.70 to 63.70): VU0

100000

50000

0

Time-->



#13

Acetone

Concen: 13.483 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU032152.D

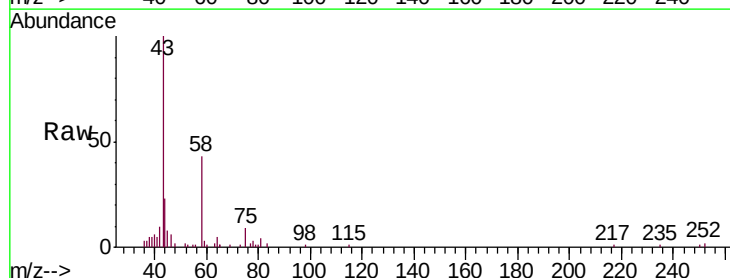
Acq: 20 May 2019 14:02

Tgt Ion: 43 Resp: 26336

Ion Ratio Lower Upper

43 100

58 45.1 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

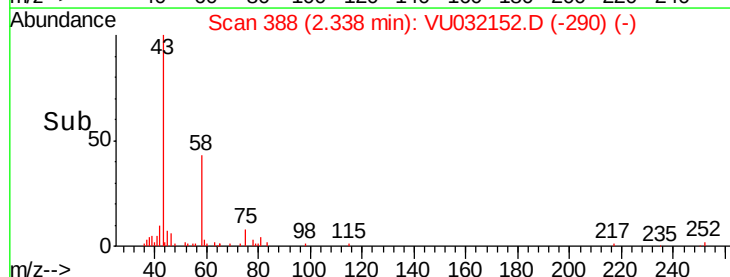
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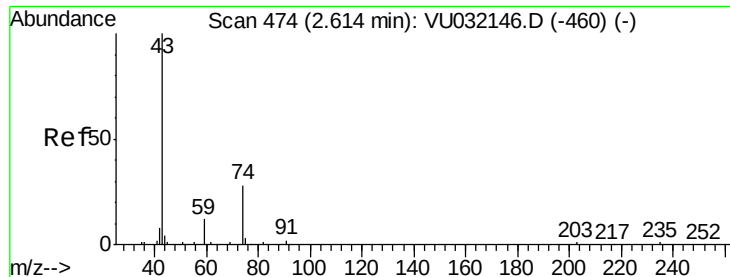
10000

5000

0

Time-->

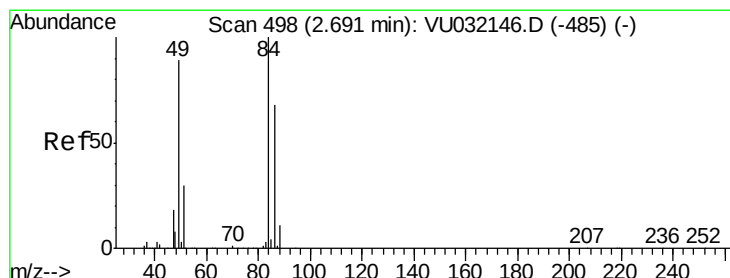
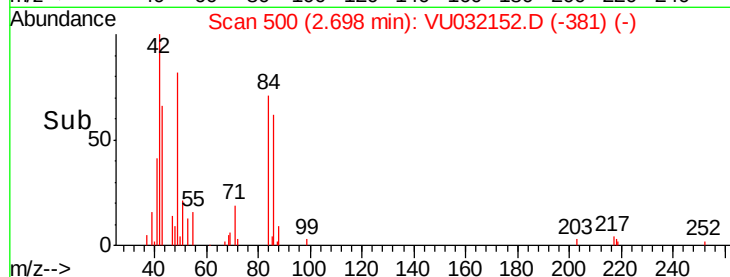
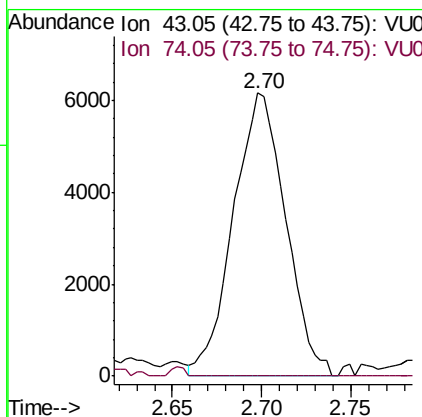
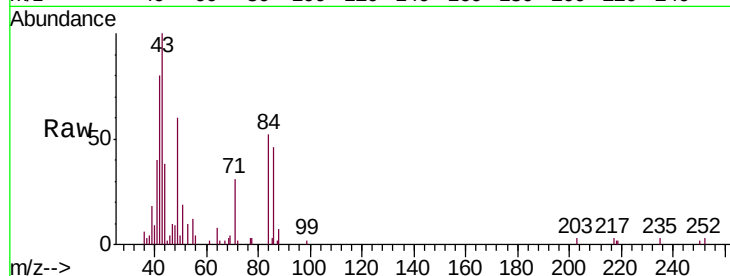




#15
Methyl Acetate
Concen: 2.251 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.08 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

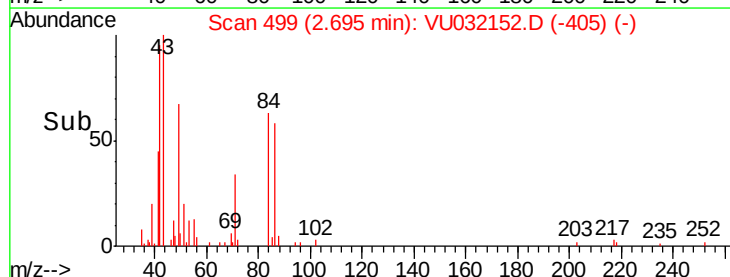
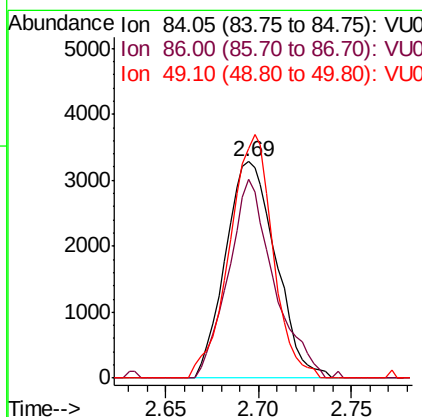
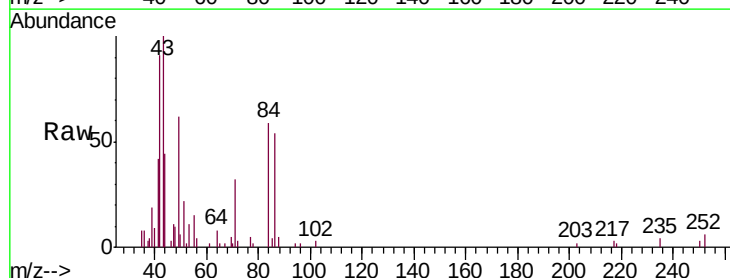
Instrument :
MSVOA_U
ClientSampled :
F9W32DL

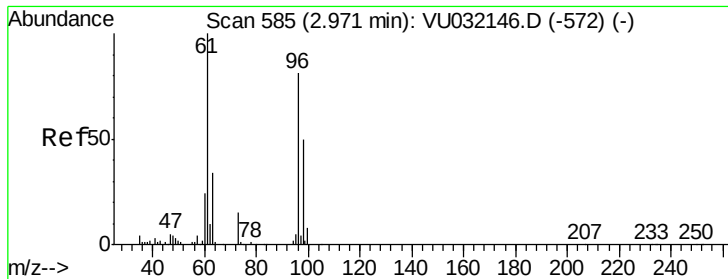
Tgt Ion: 43 Resp: 12609
Ion Ratio Lower Upper
43 100
74 0.8 26.4 39.6#



#16
Methylene chloride
Concen: 0.360 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

Tgt Ion: 84 Resp: 6200
Ion Ratio Lower Upper
84 100
86 91.7 43.1 80.1#
49 106.1 67.7 125.7

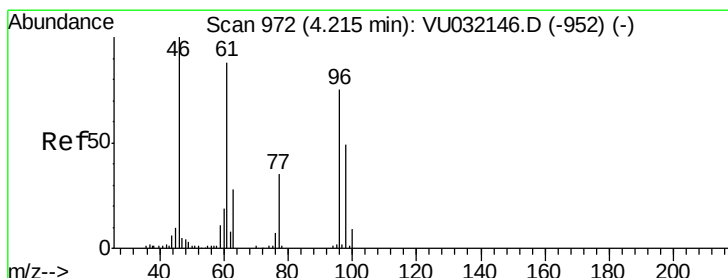
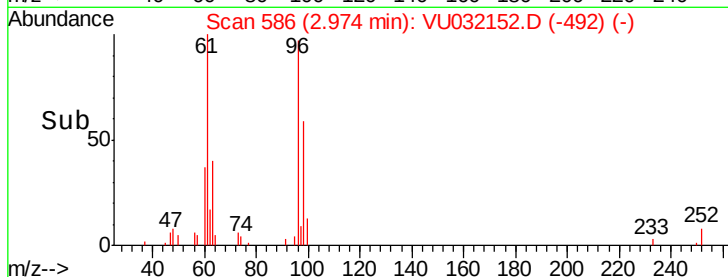
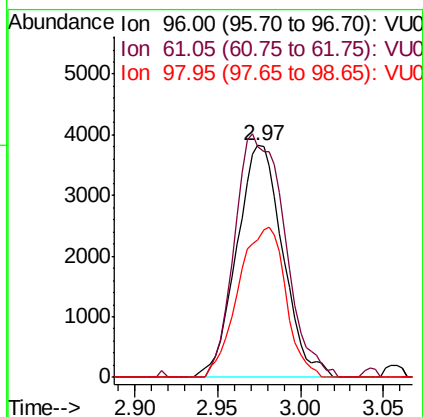
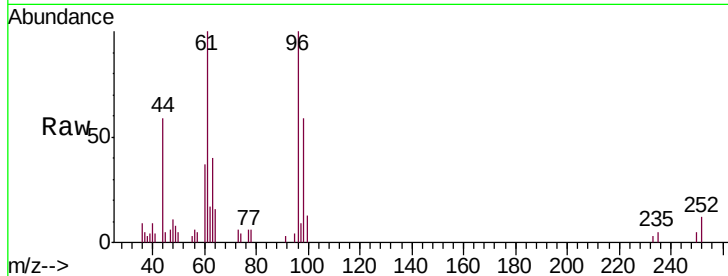




#18
trans-1,2-Dichloroethene
Concen: 0.479 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

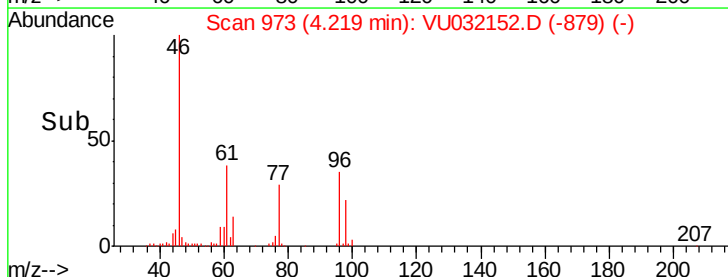
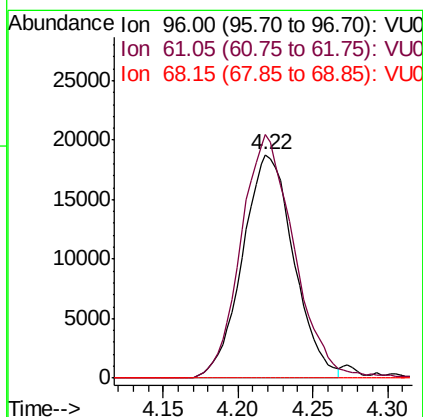
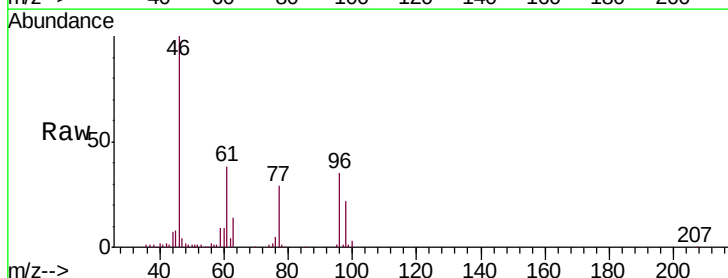
Instrument :
MSVOA_U
ClientSampleId :
F9W32DL

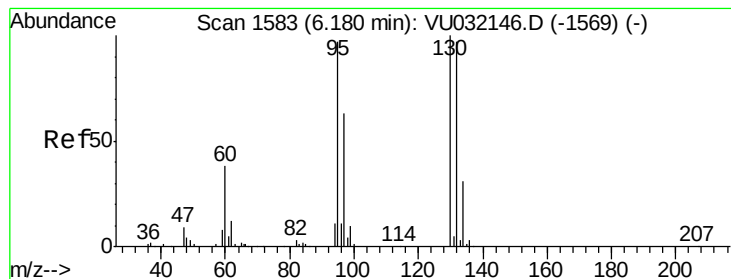
Tgt Ion: 96 Resp: 7408
Ion Ratio Lower Upper
96 100
61 99.8 86.5 160.7
98 59.3 43.5 80.9



#22
cis-1,2-Dichloroethene
Concen: 2.944 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

Tgt Ion: 96 Resp: 44788
Ion Ratio Lower Upper
96 100
61 108.9 85.8 159.4
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 5.390 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

F9W32DL

Tgt Ion: 95 Resp: 83729

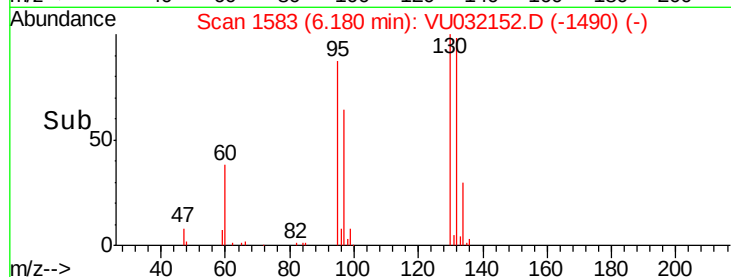
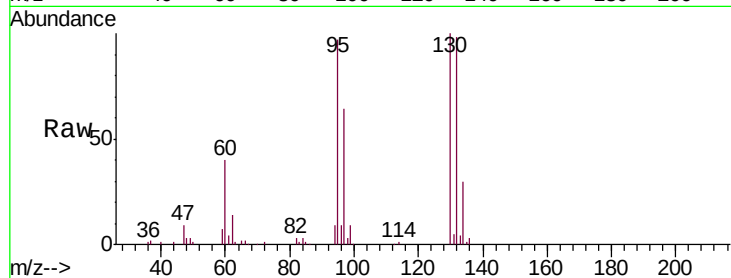
Ion Ratio Lower Upper

95 100

97 65.8 45.2 84.0

132 101.2 66.1 122.7

130 102.9 66.7 123.9

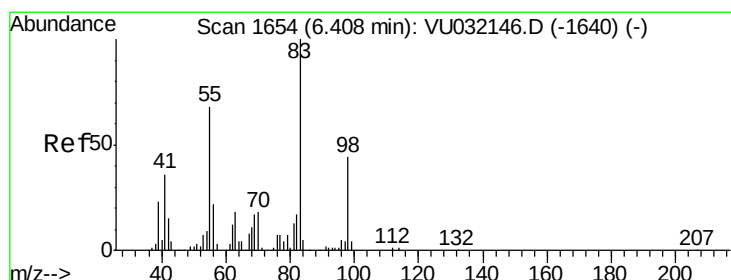
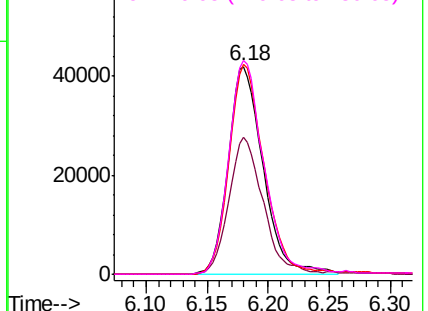


Abundance Ion 95.00 (94.70 to 95.70): VU032152.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU032152.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU032152.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU032152.D (-1490) (-)



#35

Methylcyclohexane

Concen: 1.472 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

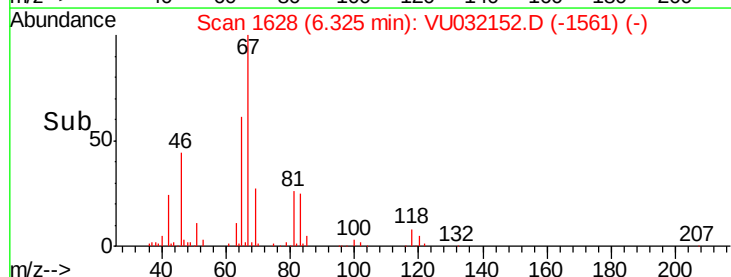
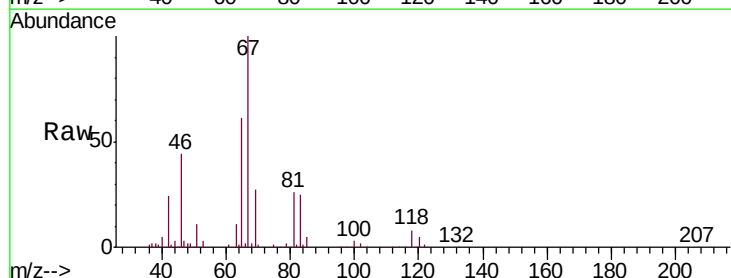
Tgt Ion: 83 Resp: 32925

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

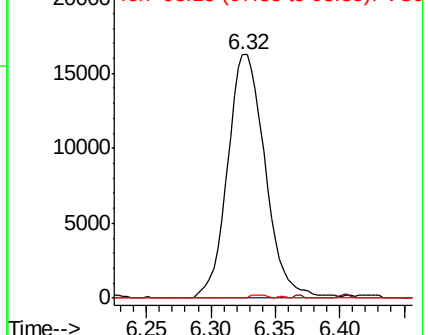
98 0.6 36.8 55.2#

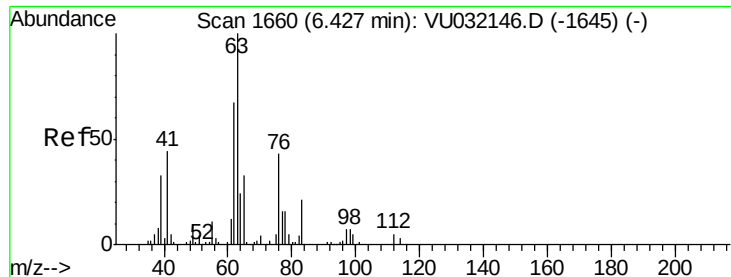


Abundance Ion 83.15 (82.85 to 83.85): VU032152.D (-1561) (-)

Ion 55.10 (54.80 to 55.80): VU032152.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032152.D (-1561) (-)

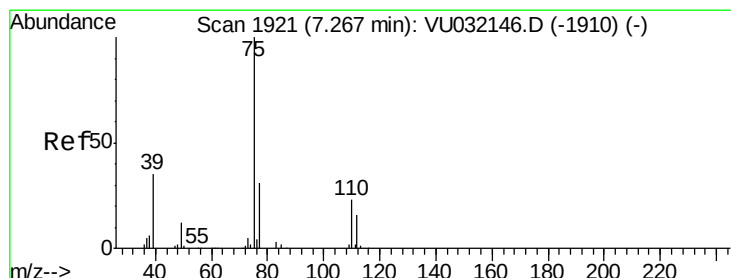
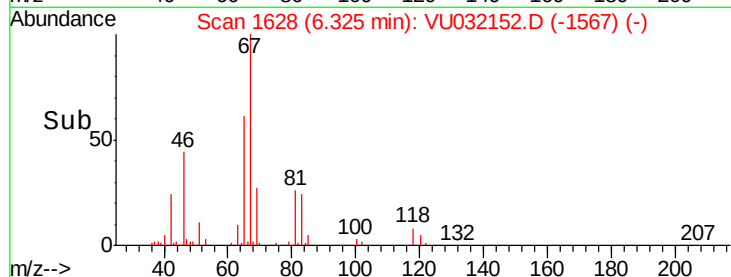
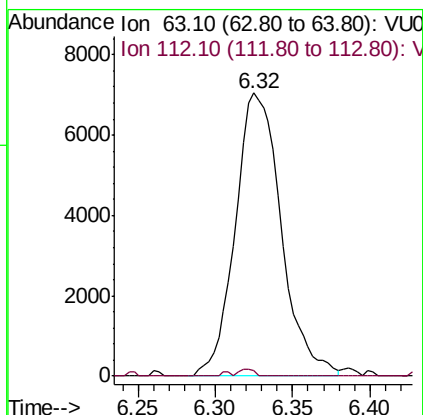
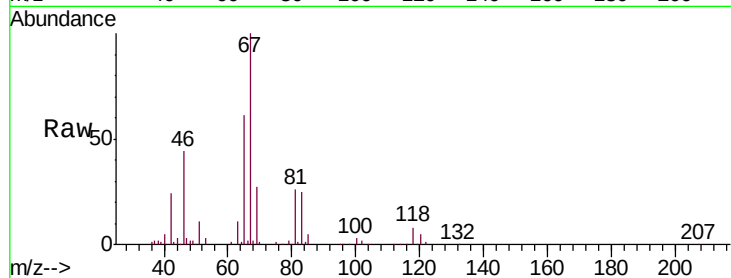




#37
 1,2-Dichloropropane
 Concen: 1.041 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032152.D
 Acq: 20 May 2019 14:02

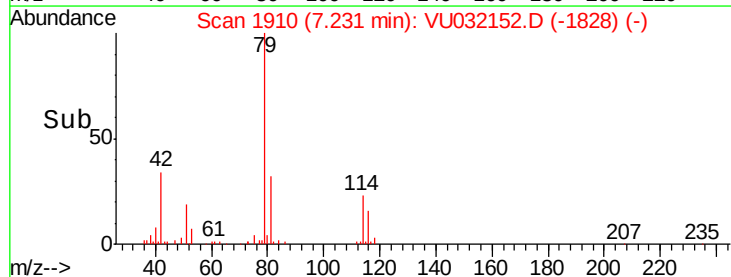
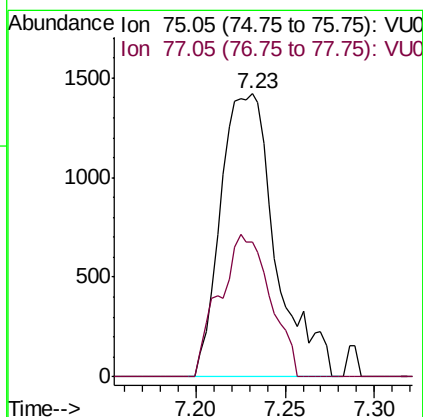
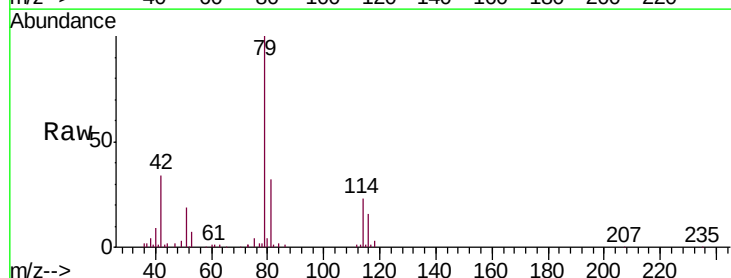
Instrument :
 MSVOA_U
 ClientSampleId :
 F9W32DL

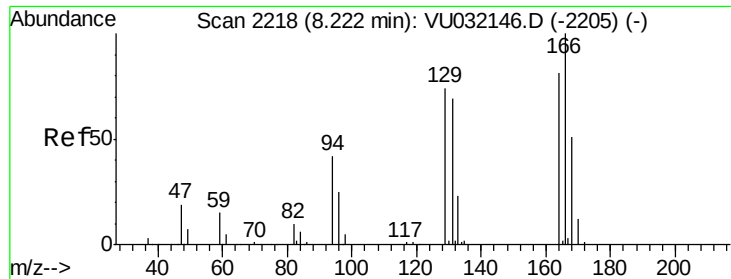
Tgt Ion: 63 Resp: 14579
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.157 ug/L
 RT: 7.23 min Scan# 1910
 Delta R.T. -0.04 min
 Lab File: VU032152.D
 Acq: 20 May 2019 14:02

Tgt Ion: 75 Resp: 3044
 Ion Ratio Lower Upper
 75 100
 77 47.5 21.7 40.3#





#47

Tetrachloroethene

Concen: 0.175 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Instrument :

MSVOA_U

ClientSampleId :

F9W32DL

Tgt Ion:164 Resp: 2038

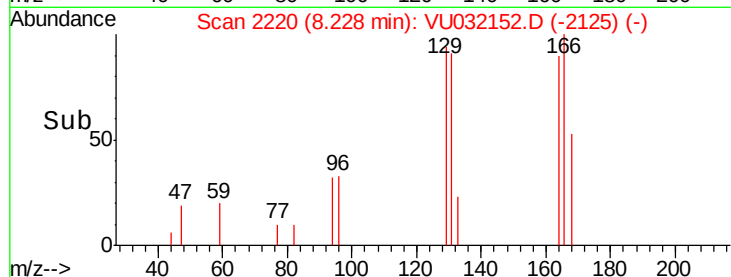
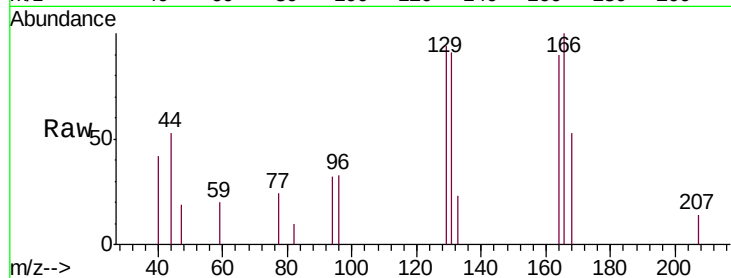
Ion Ratio Lower Upper

164 100

129 104.6 70.3 130.5

131 101.4 64.5 119.9

166 111.6 92.3 171.5

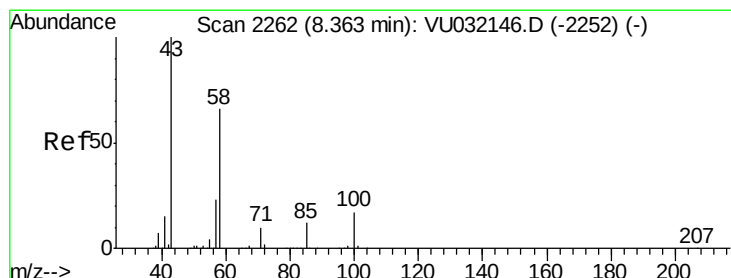
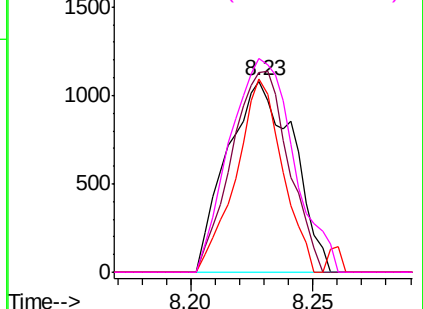


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.465 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VU032152.D

Acq: 20 May 2019 14:02

Tgt Ion: 43 Resp: 12410

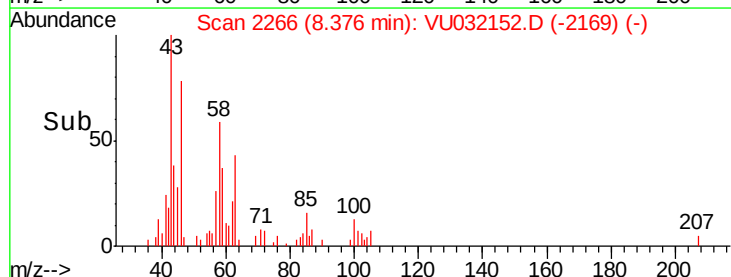
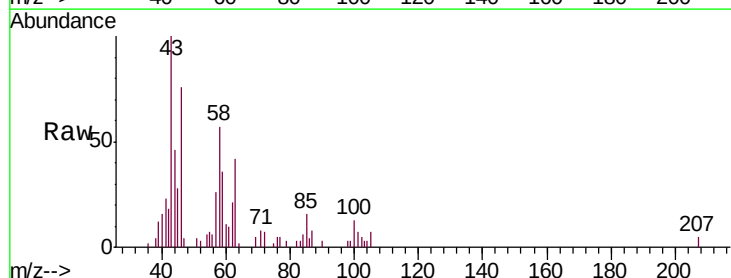
Ion Ratio Lower Upper

43 100

58 28.8 51.6 77.4#

57 8.4 18.4 27.6#

100 5.2 12.2 18.4#

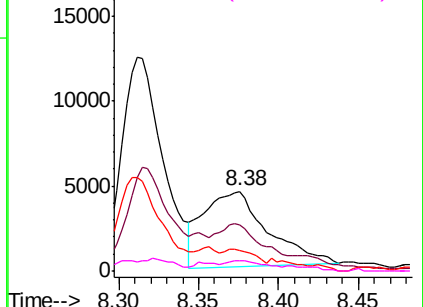


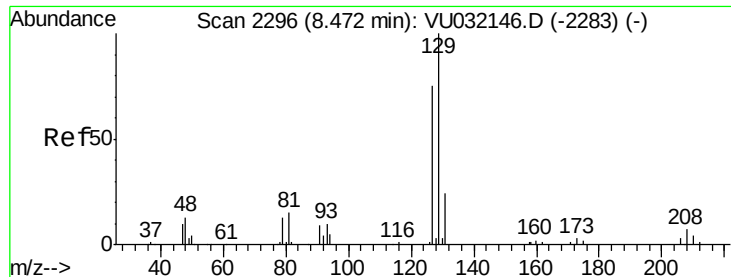
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

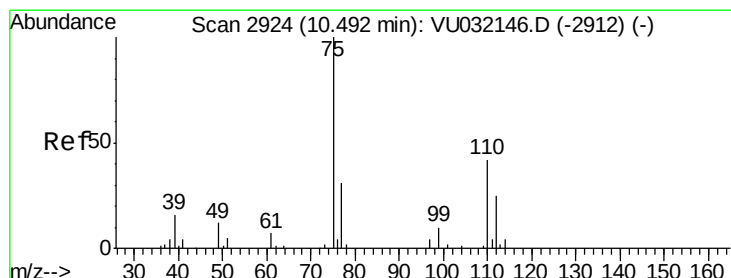
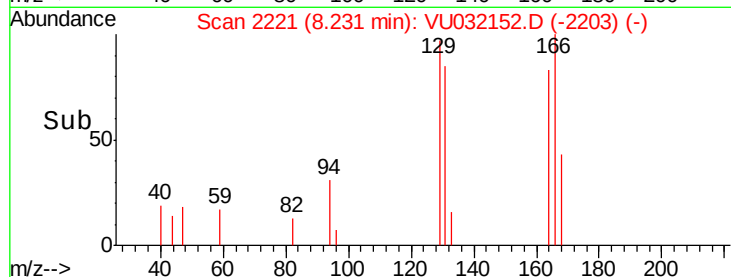
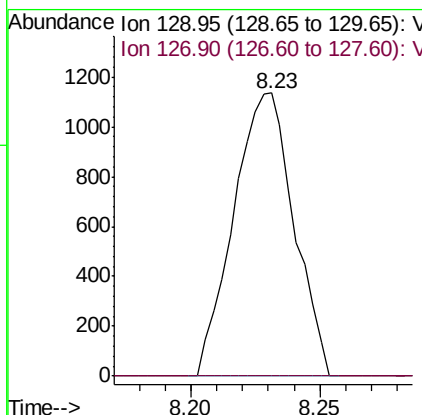
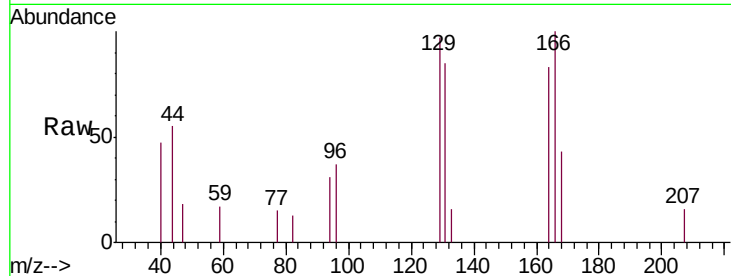




#49
Dibromochloromethane
Concen: 0.155 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. -0.24 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

Instrument :
MSVOA_U
ClientSampled :
F9W32DL

Tgt Ion: 129 Resp: 1851
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#



#59
1,2,3-Trichloropropane
Concen: 1.599 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU032152.D
Acq: 20 May 2019 14:02

Tgt Ion: 75 Resp: 14225
Ion Ratio Lower Upper
75 100
77 36.5 26.2 39.2

