

Data File : VU032082.D
Acq On : 17 May 2019 05:47
Operator : JC/SP
Sample : K2859-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W21

Quant Time: May 17 08:45:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 08:41:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	377300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	392918	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	142421	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.68	69	120449	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.27	63	203916	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	4.21	46	274910	44.06	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.12%
24) Chloroform-d	4.64	84	253162	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.31	65	128956	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.33	84	528298	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.33	67	151096	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	7.56	98	442054	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
43) trans-1,3-Dichloropropene-	7.85	79	48631	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.31	63	242203	42.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127729	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	158424	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

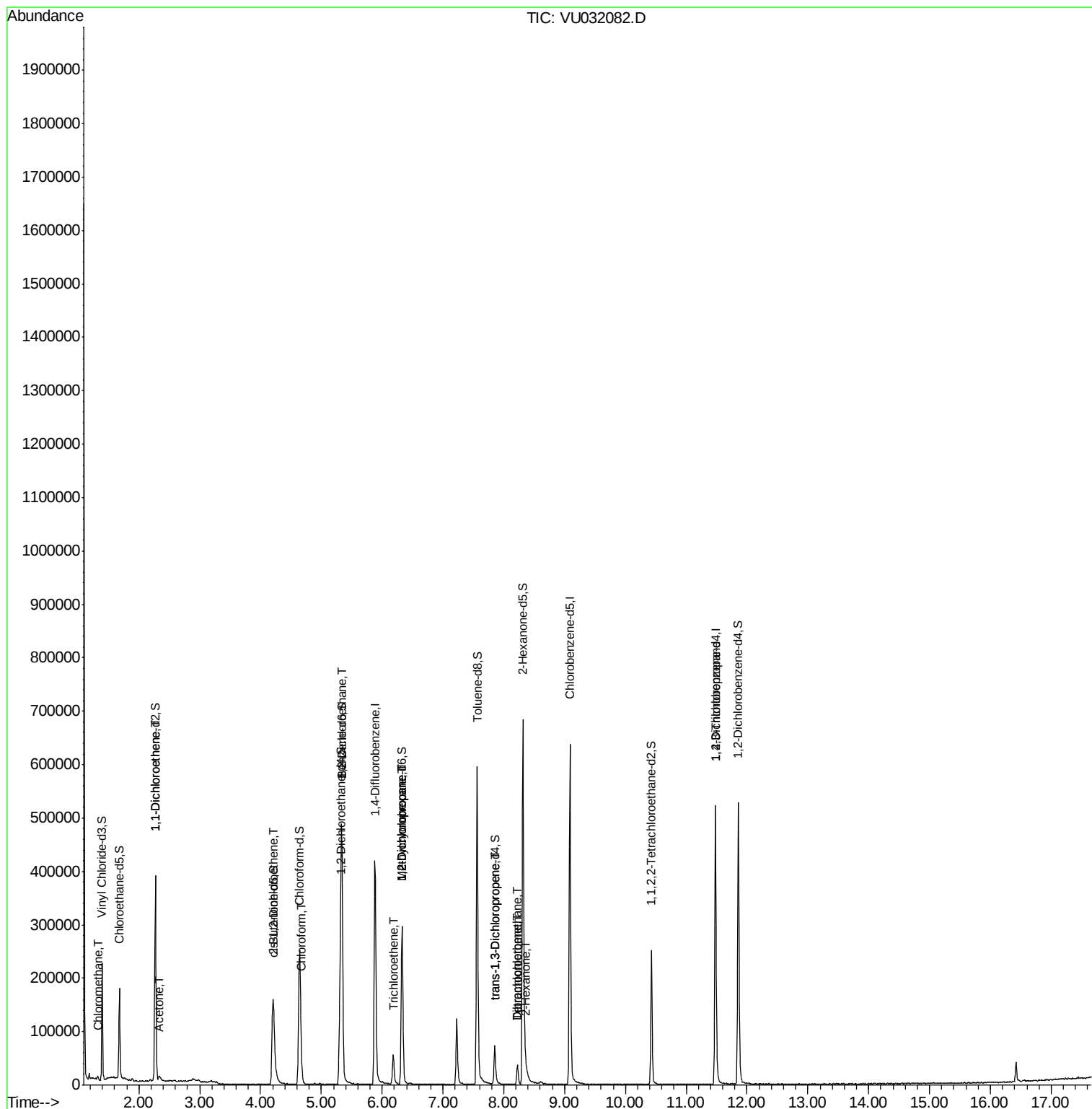
					Qvalue
3) Chloromethane	1.32	50	5115	0.282 ug/L	97
12) 1,1-Dichloroethene	2.27	96	1798	0.119 ug/L #	1
13) Acetone	2.34	43	8359	4.081 ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	5616	0.352 ug/L	91
25) Chloroform	4.67	83	24077	0.875 ug/L	99
27) 1,2-Dichloroethane	5.33	62	2506	0.158 ug/L #	73
34) Trichloroethene	6.18	95	19526	1.193 ug/L	93
35) Methylcyclohexane	6.32	83	36369	1.543 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	17254	1.170 ug/L #	88
44) trans-1,3-Dichloropropene	7.86	75	1731	0.109 ug/L	88
47) Tetrachloroethene	8.22	164	8982	0.734 ug/L	90
48) 2-Hexanone	8.37	43	11486	2.165 ug/L #	35
49) Dibromochloromethane	8.22	129	8420	0.670 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	16934	1.807 ug/L #	87

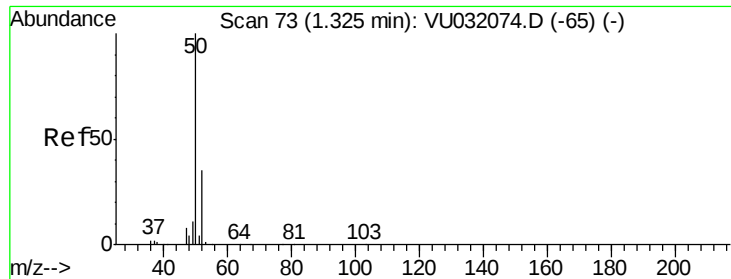
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.282 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032082.D

Acq: 17 May 2019 05:47

Instrument :

MSVOA_U

ClientSampled :

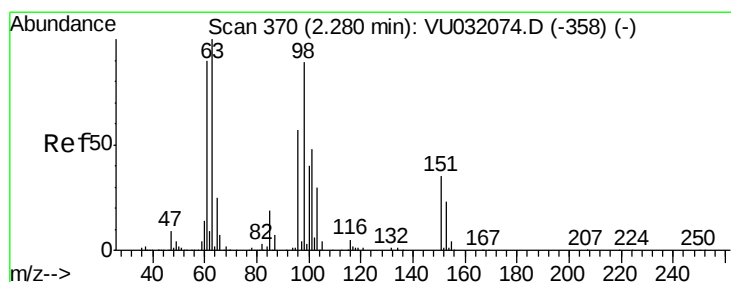
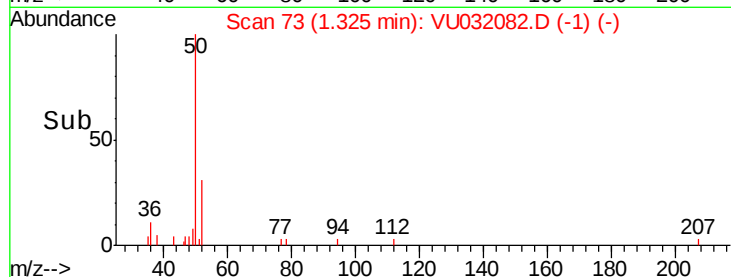
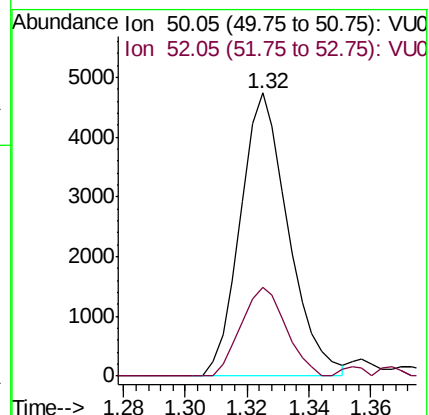
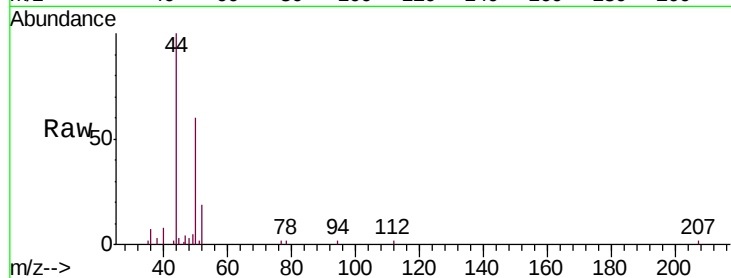
F9W21

Tgt Ion: 50 Resp: 5115

Ion Ratio Lower Upper

50 100

52 31.3 23.2 43.0



#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032082.D

Acq: 17 May 2019 05:47

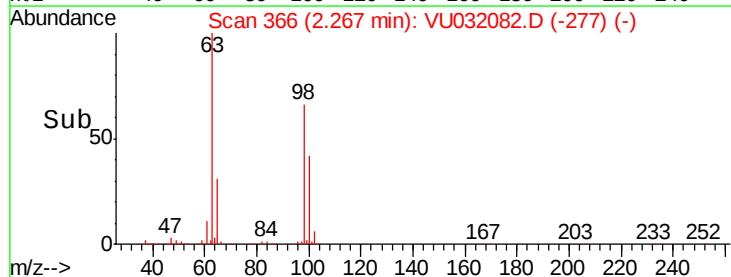
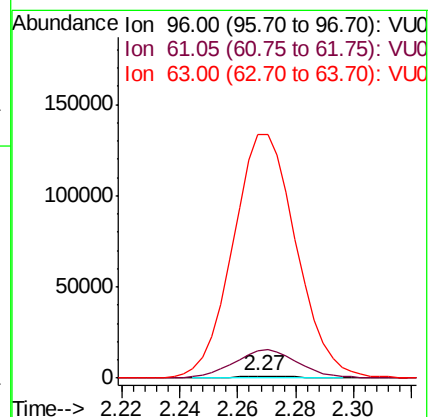
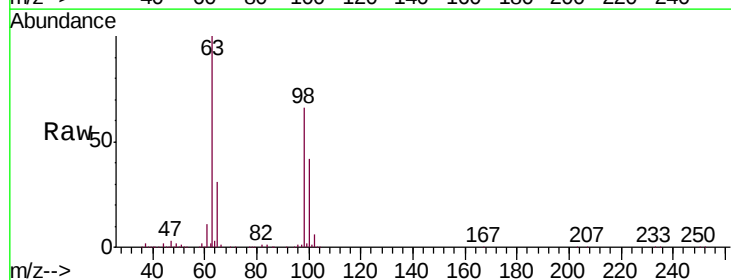
Tgt Ion: 96 Resp: 1798

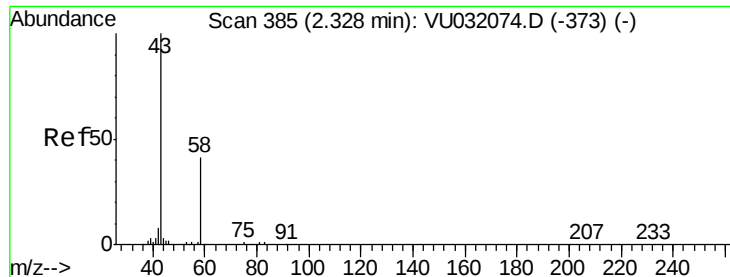
Ion Ratio Lower Upper

96 100

61 1219.0 111.7 207.5#

63 10711.3 152.2 282.6#





#13

Acetone

Concen: 4.081 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

Lab File: VU032082.D

Acq: 17 May 2019 05:47

Instrument :

MSVOA_U

ClientSampleId :

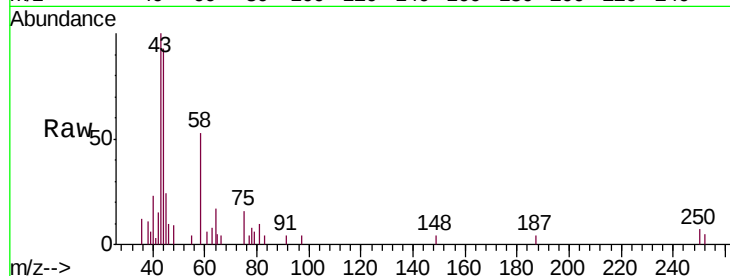
F9W21

Tgt Ion: 43 Resp: 8359

Ion Ratio Lower Upper

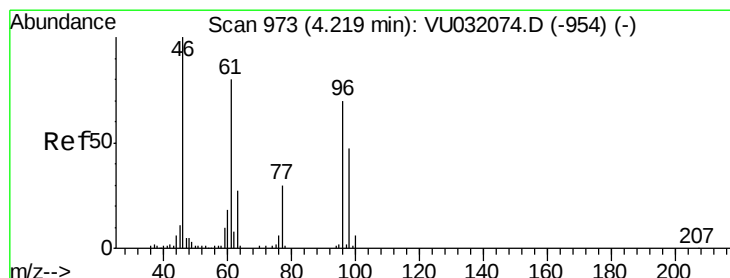
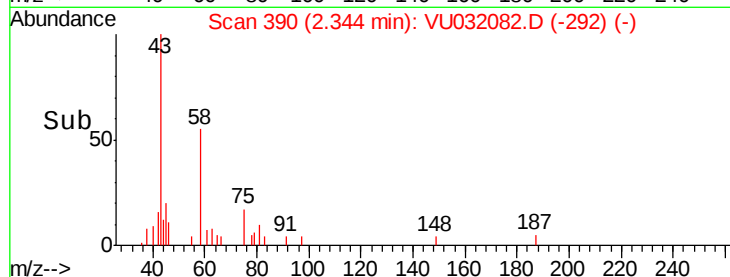
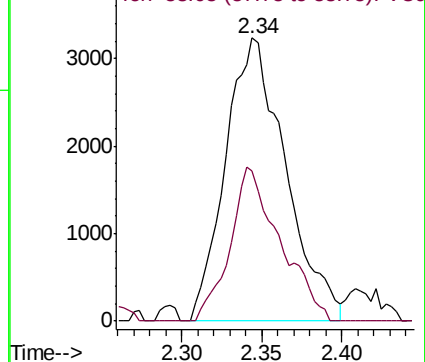
43 100

58 45.0 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) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.352 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032082.D

Acq: 17 May 2019 05:47

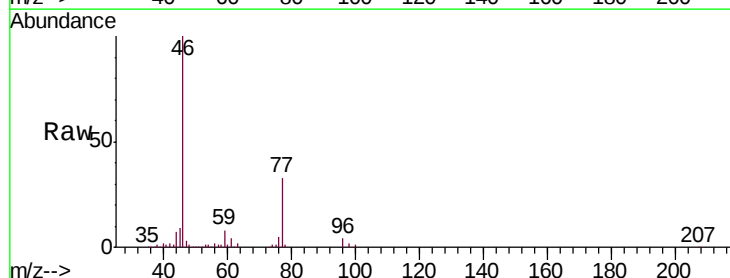
Tgt Ion: 96 Resp: 5616

Ion Ratio Lower Upper

96 100

61 112.9 85.8 159.4

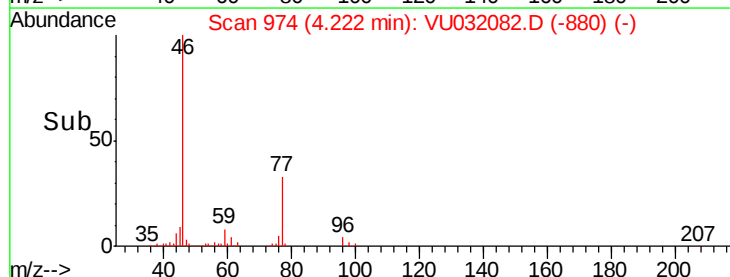
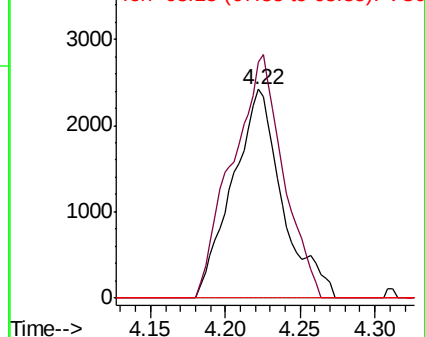
68 0.0 0.0 0.0

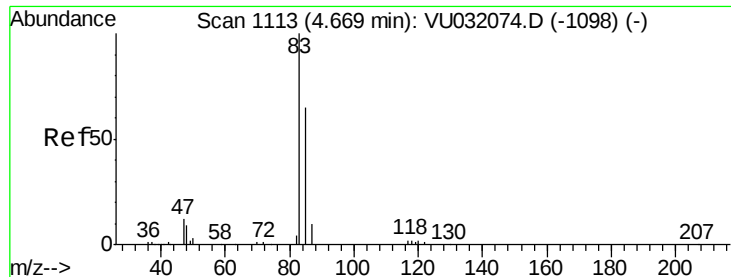


Abundance Ion 96.00 (95.70 to 96.70): VU032074.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU032074.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU032074.D (-954) (-)

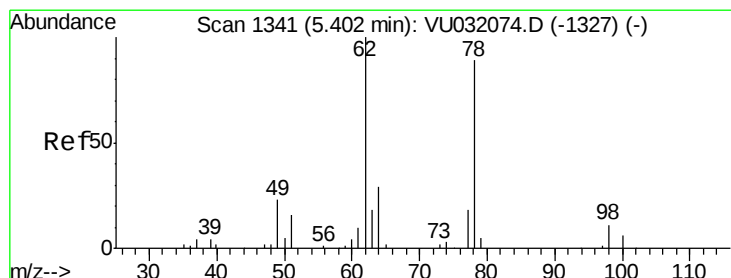
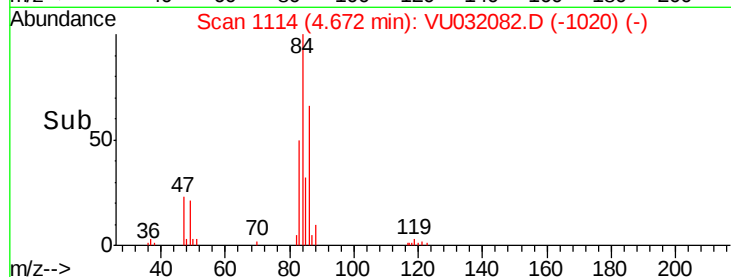
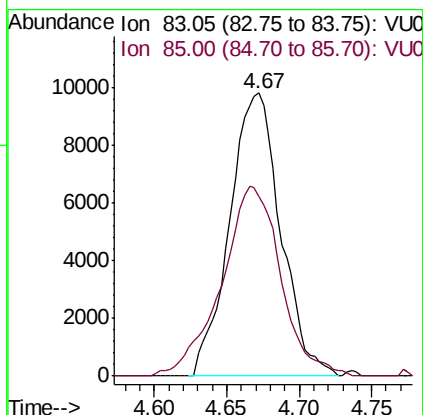
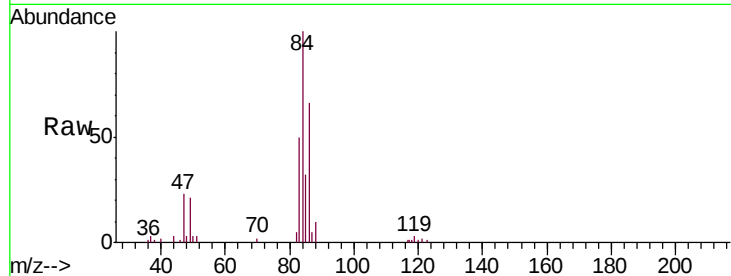




#25
Chloroform
Concen: 0.875 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU032082.D
Acq: 17 May 2019 05:47

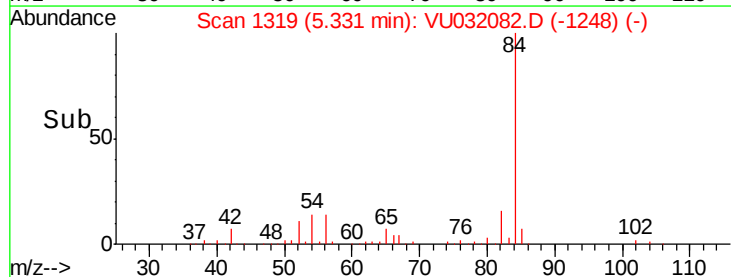
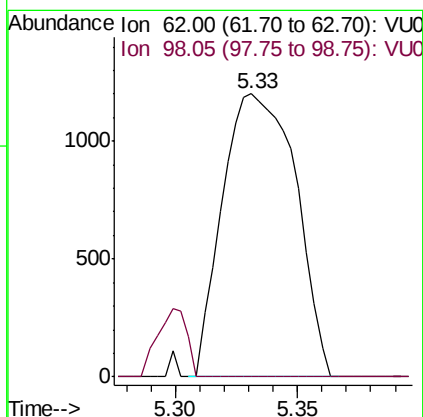
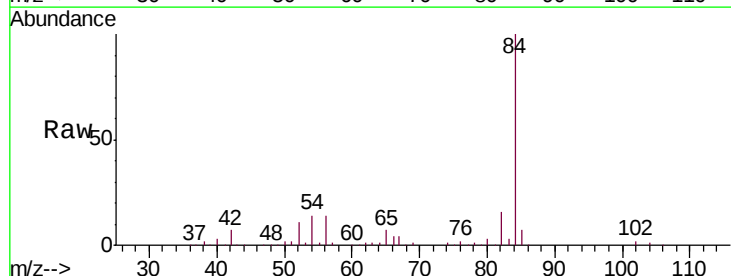
Instrument :
MSVOA_U
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F9W21

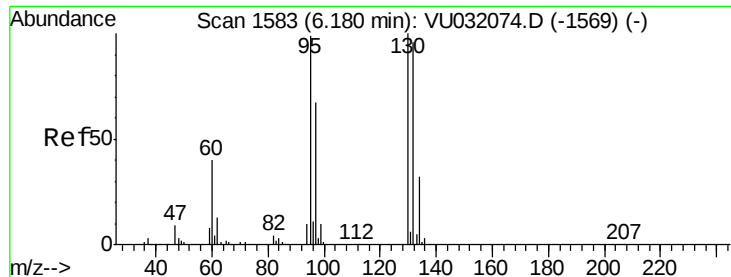
Tgt Ion: 83 Resp: 24077
Ion Ratio Lower Upper
83 100
85 63.4 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.158 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.07 min
Lab File: VU032082.D
Acq: 17 May 2019 05:47

Tgt Ion: 62 Resp: 2506
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#

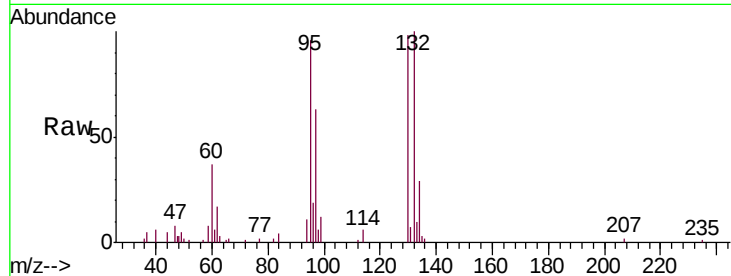




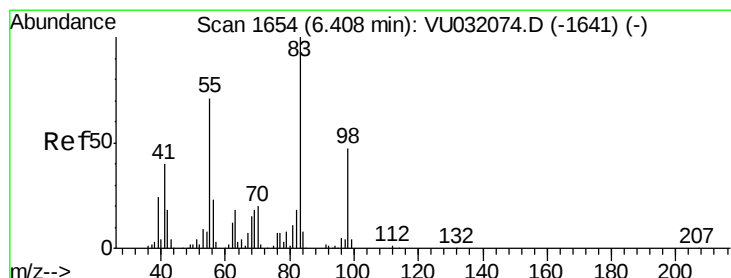
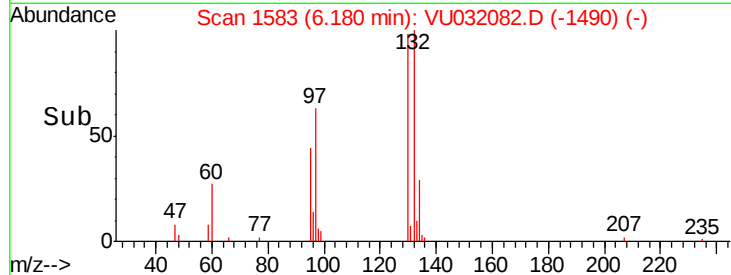
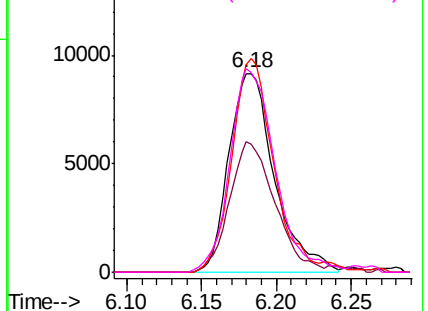
#34
 Trichloroethene
 Concen: 1.193 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032082.D
 Acq: 17 May 2019 05:47

Instrument :
 MSVOA_U
 ClientSampled :
 F9W21

Tgt Ion: 95 Resp: 19526
 Ion Ratio Lower Upper
 95 100
 97 65.9 45.2 84.0
 132 104.4 66.1 122.7
 130 102.4 66.7 123.9

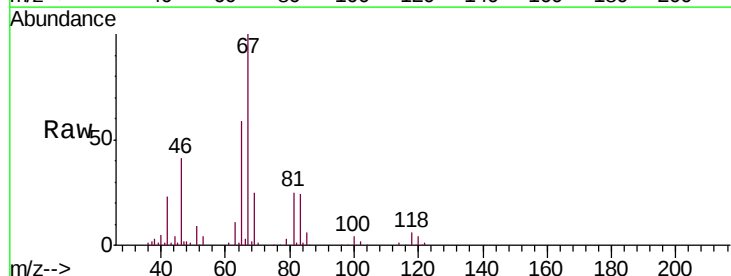


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

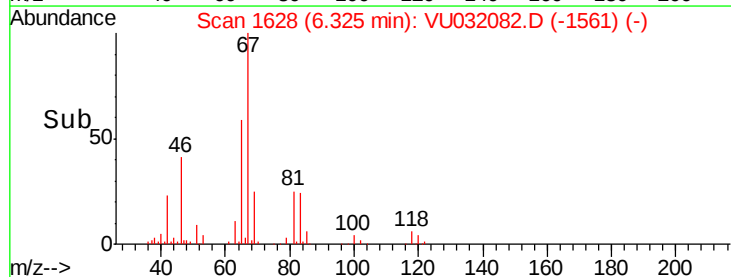
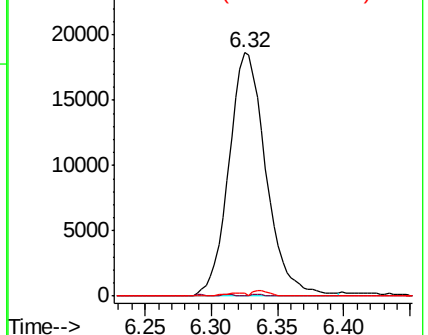


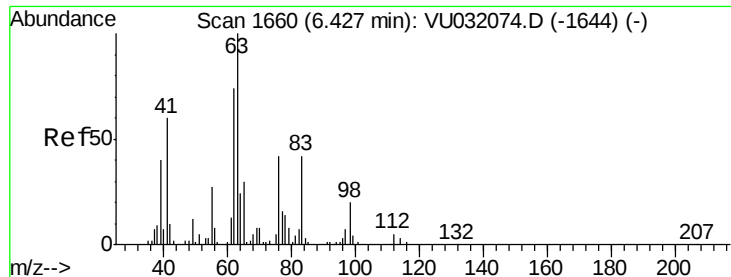
#35
 Methylcyclohexane
 Concen: 1.543 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032082.D
 Acq: 17 May 2019 05:47

Tgt Ion: 83 Resp: 36369
 Ion Ratio Lower Upper
 83 100
 55 0.2 59.7 89.5#
 98 0.7 36.8 55.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

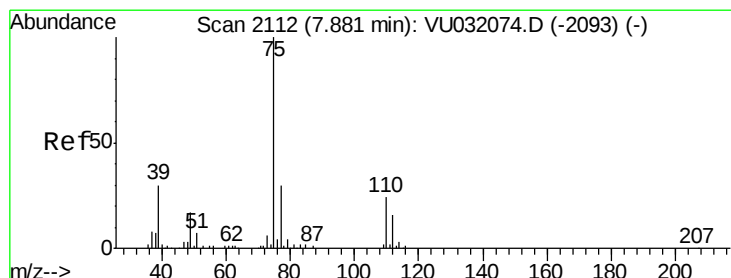
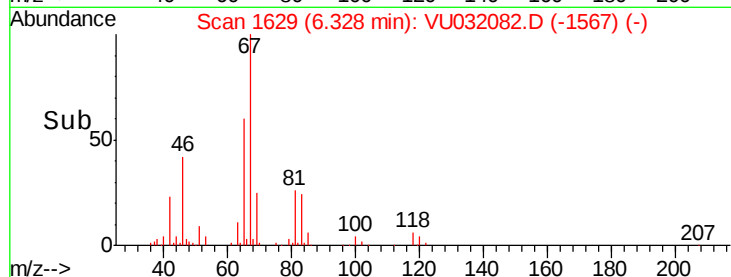
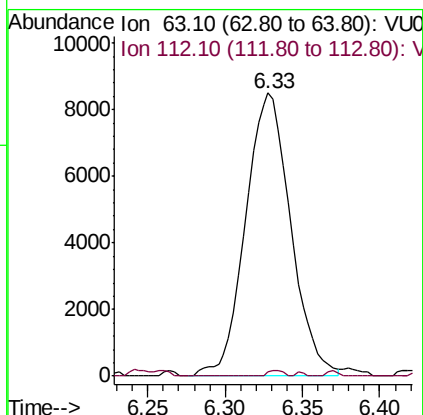
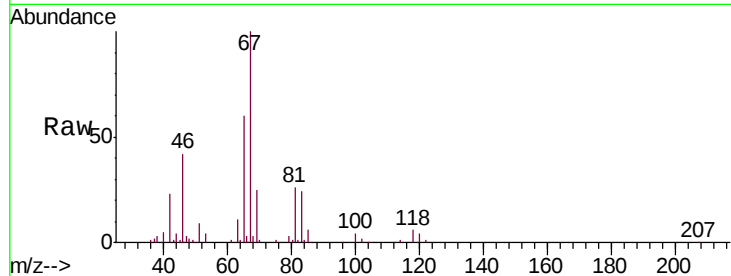




#37
 1,2-Dichloropropane
 Concen: 1.170 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032082.D
 Acq: 17 May 2019 05:47

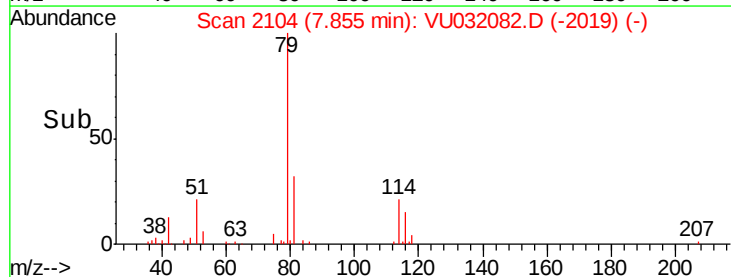
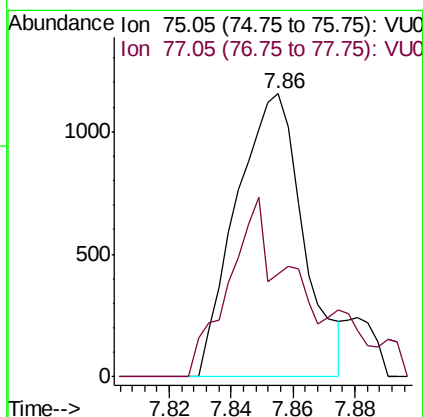
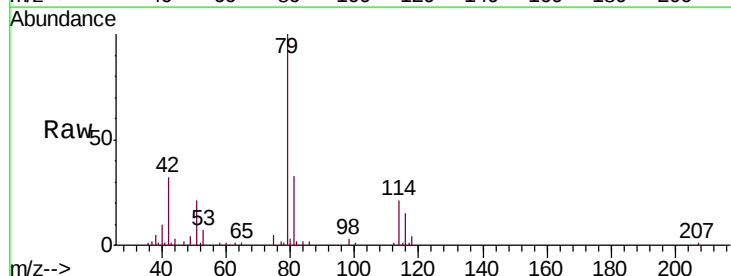
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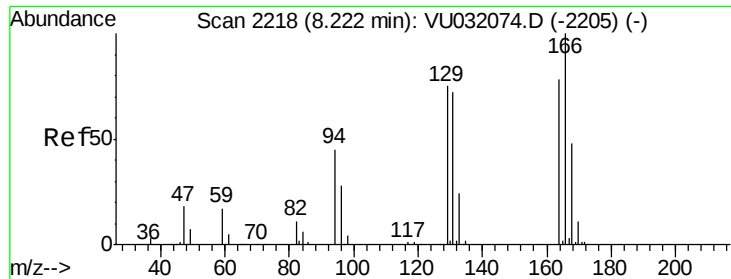
Tgt Ion: 63 Resp: 17254
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.8 5.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.03 min
 Lab File: VU032082.D
 Acq: 17 May 2019 05:47

Tgt Ion: 75 Resp: 1731
 Ion Ratio Lower Upper
 75 100
 77 36.5 21.0 39.0

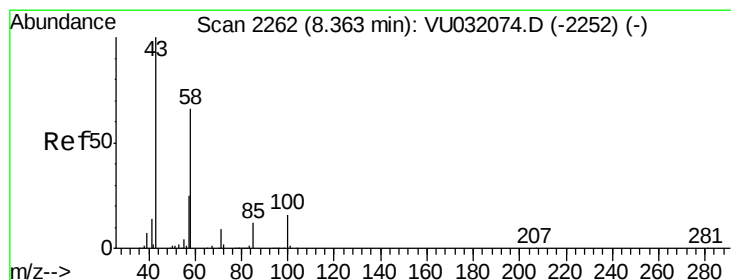
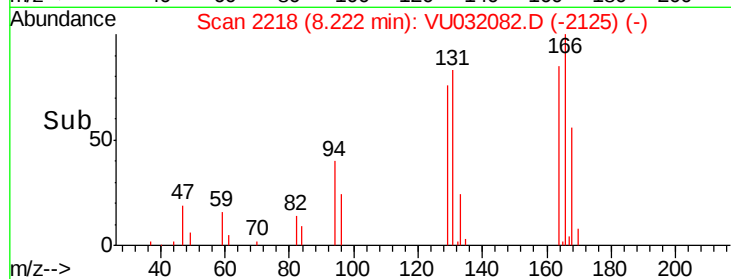
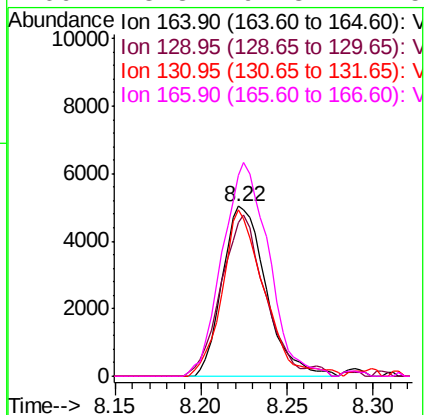
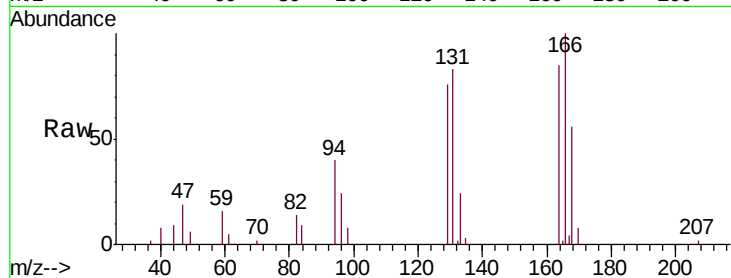




#47
Tetrachloroethene
Concen: 0.734 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032082.D
Acq: 17 May 2019 05:47

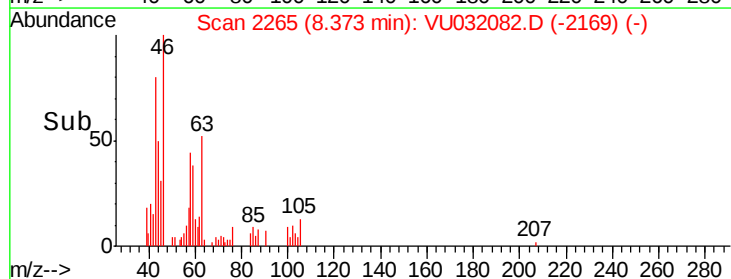
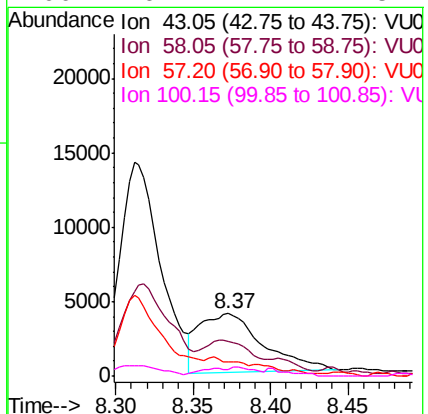
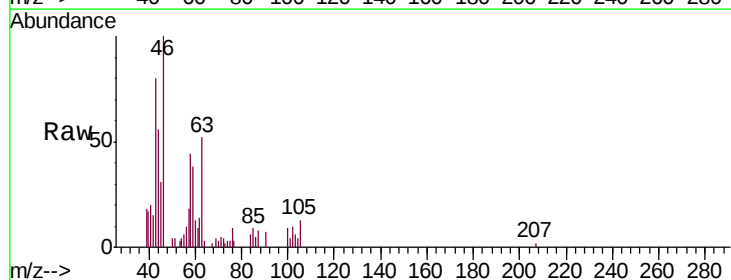
Instrument :
MSVOA_U
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F9W21

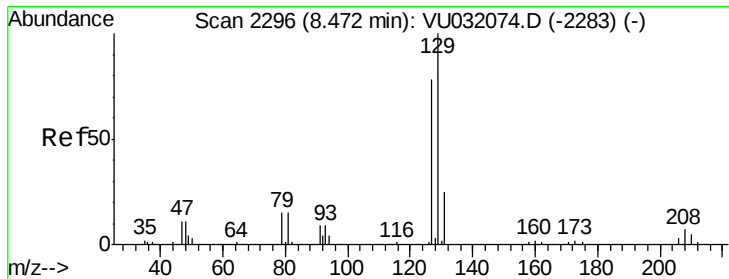
Tgt Ion:164 Resp: 8982
Ion Ratio Lower Upper
164 100
129 90.2 70.3 130.5
131 97.9 64.5 119.9
166 118.3 92.3 171.5



#48
2-Hexanone
Concen: 2.165 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU032082.D
Acq: 17 May 2019 05:47

Tgt Ion: 43 Resp: 11486
Ion Ratio Lower Upper
43 100
58 0.0 51.6 77.4#
57 0.0 18.4 27.6#
100 6.1 12.2 18.4#





#49

Dibromochloromethane

Concen: 0.670 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032082.D

Acq: 17 May 2019 05:47

Instrument :

MSVOA_U

ClientSampled :

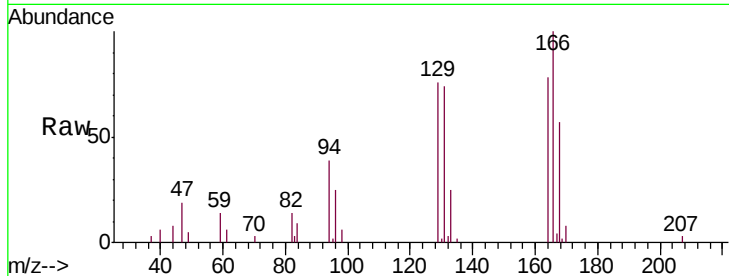
F9W21

Tgt Ion:129 Resp: 8420

Ion Ratio Lower Upper

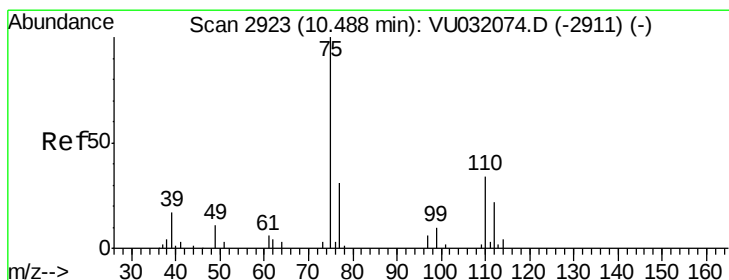
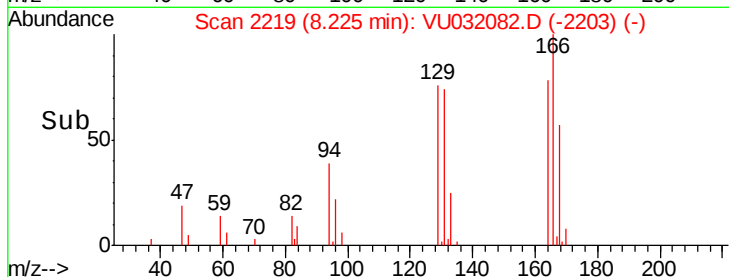
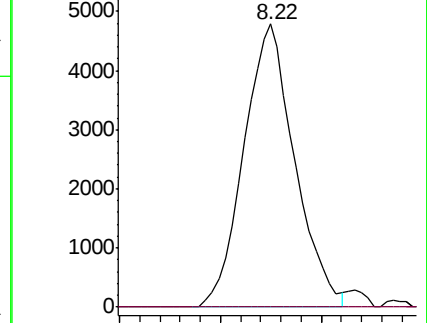
129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.807 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032082.D

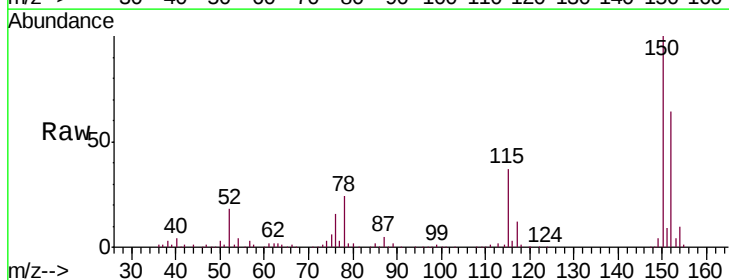
Acq: 17 May 2019 05:47

Tgt Ion: 75 Resp: 16934

Ion Ratio Lower Upper

75 100

77 40.2 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

