

Data File : VU032142.D
Acq On : 18 May 2019 09:09
Operator : JC/SP
Sample : K2860-17
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W50

Quant Time: May 20 05:01:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 20 04:57:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	367606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	371641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	144265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	107069	3.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	1.68	69	99456	3.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.20%
11) 1,1-Dichloroethene-d2	2.27	63	156799	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.19	46	232269	38.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.42%
24) Chloroform-d	4.64	84	220625	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	5.31	65	110705	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
32) Benzene-d6	5.33	84	434544	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	6.32	67	126239	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.20%
41) Toluene-d8	7.56	98	364221	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	7.85	79	39732	3.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.60%
46) 2-Hexanone-d5	8.31	63	195580	36.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	110656	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	140007	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

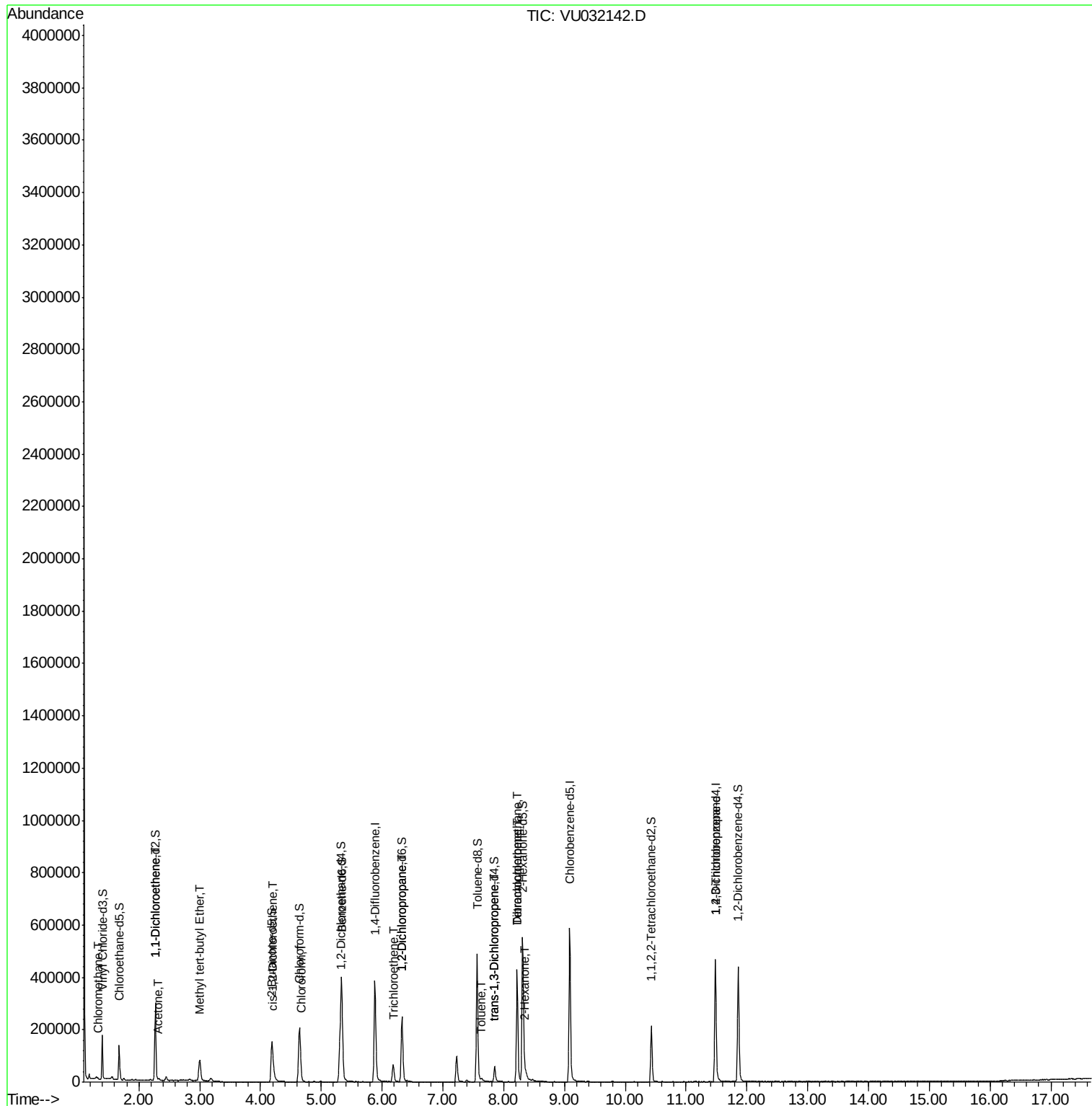
					Qvalue
3) Chloromethane	1.33	50	2649	0.150 ug/L	89
12) 1,1-Dichloroethene	2.27	96	1930	0.131 ug/L #	1
13) Acetone	2.32	43	3943	1.976 ug/L	88
17) Methyl tert-butyl Ether	3.00	73	91715	2.643 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	3314	0.213 ug/L #	60
25) Chloroform	4.67	83	6985	0.261 ug/L	99
34) Trichloroethene	6.18	95	23917	1.545 ug/L	95
37) 1,2-Dichloropropane	6.32	63	12939	0.927 ug/L #	86
42) Toluene	7.64	91	5692	0.095 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1431	0.095 ug/L	99
47) Tetrachloroethene	8.22	164	104981	9.072 ug/L	96
48) 2-Hexanone	8.36	43	8631	1.720 ug/L #	44
49) Dibromochloromethane	8.22	129	95917	8.075 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	15334	1.730 ug/L	90

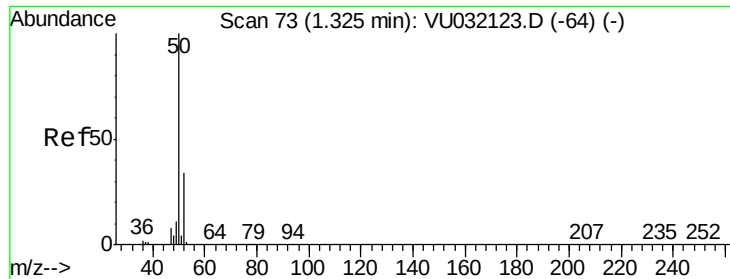
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

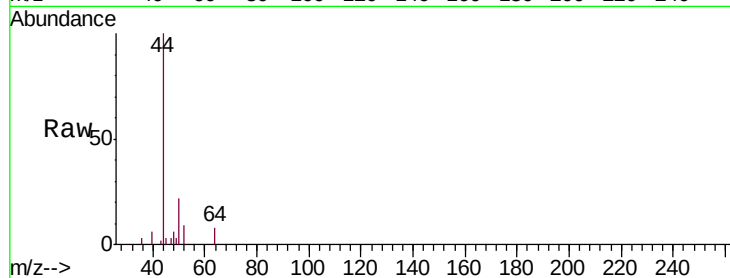
F9W50

Tgt Ion: 50 Resp: 2649

Ion Ratio Lower Upper

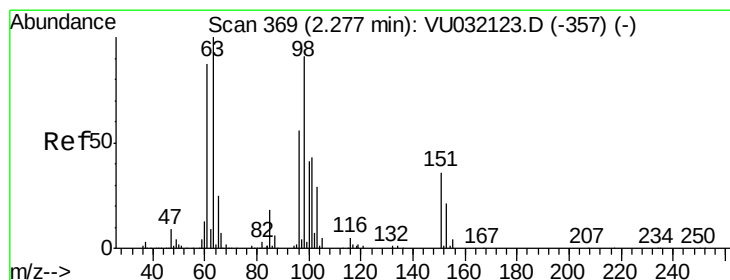
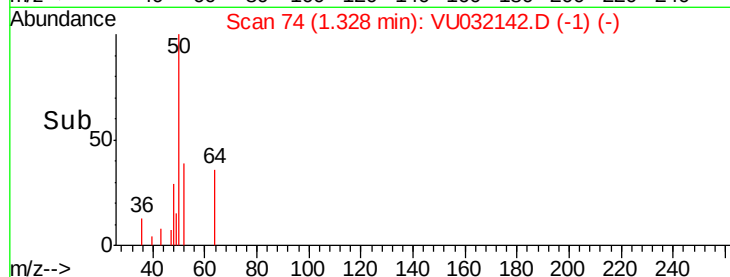
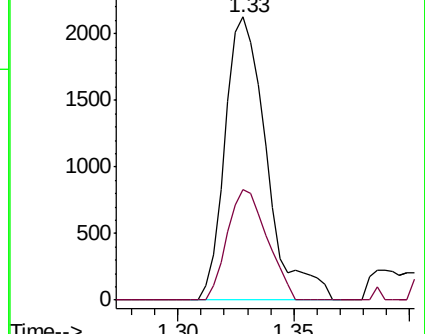
50 100

52 39.1 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.131 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

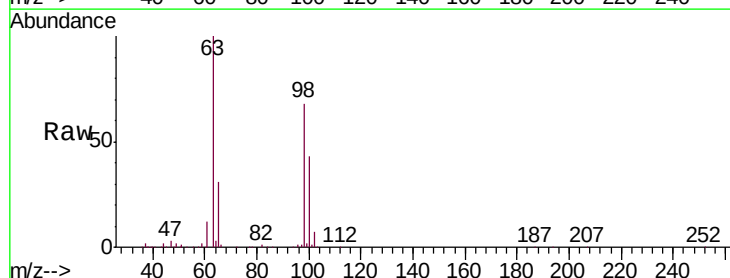
Tgt Ion: 96 Resp: 1930

Ion Ratio Lower Upper

96 100

61 1134.4 111.7 207.5#

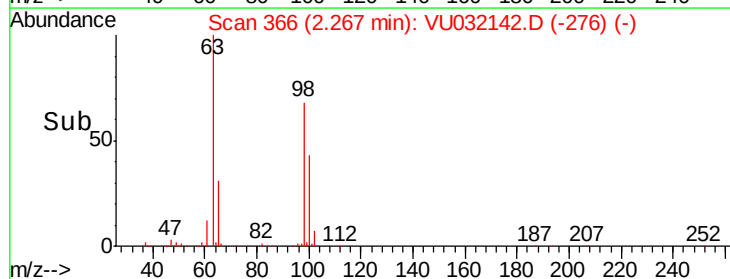
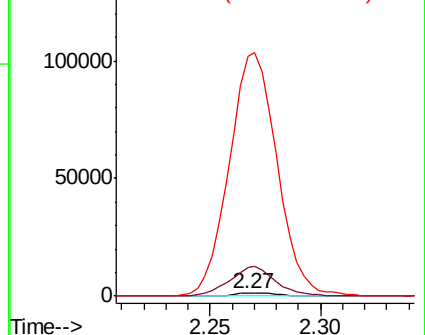
63 9361.0 152.2 282.6#

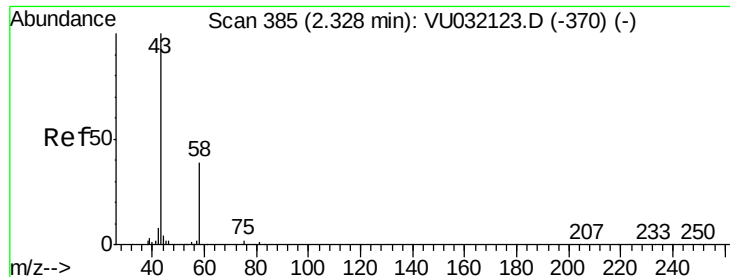


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.976 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

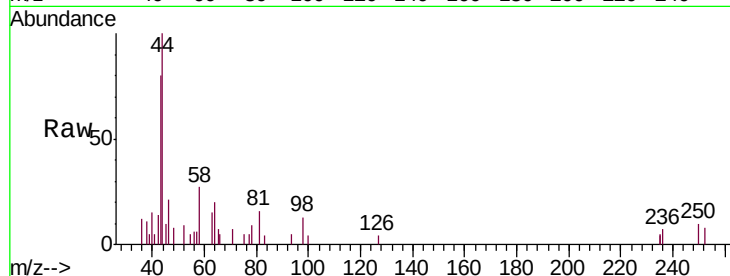
F9W50

Tgt Ion: 43 Resp: 3943

Ion Ratio Lower Upper

43 100

58 32.2 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032123.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU032123.D (-370) (-)

2500

2000

1500

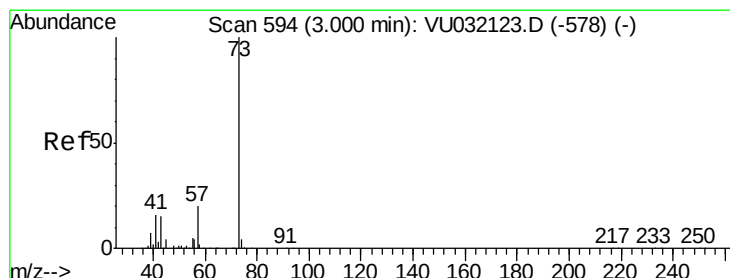
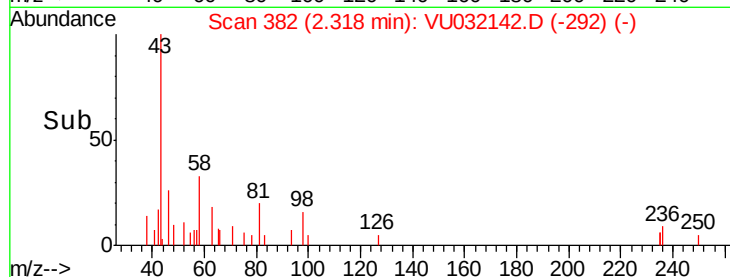
1000

500

0

2.25 2.30 2.35

Time-->



#17

Methyl tert-butyl Ether

Concen: 2.643 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

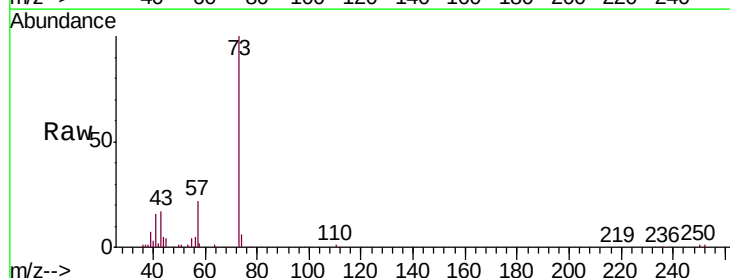
Tgt Ion: 73 Resp: 91715

Ion Ratio Lower Upper

73 100

43 16.5 13.0 19.6

57 20.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU032123.D (-578) (-)

Ion 43.05 (42.75 to 43.75): VU032123.D (-578) (-)

Ion 57.10 (56.80 to 57.80): VU032123.D (-578) (-)

50000

40000

30000

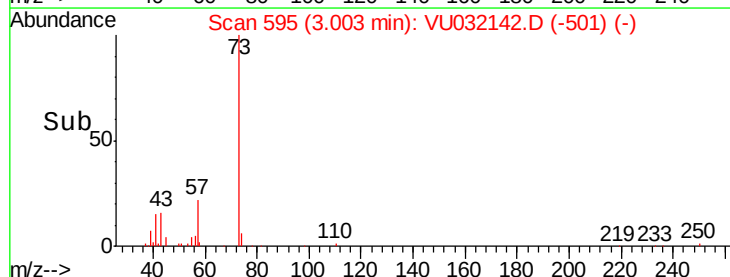
20000

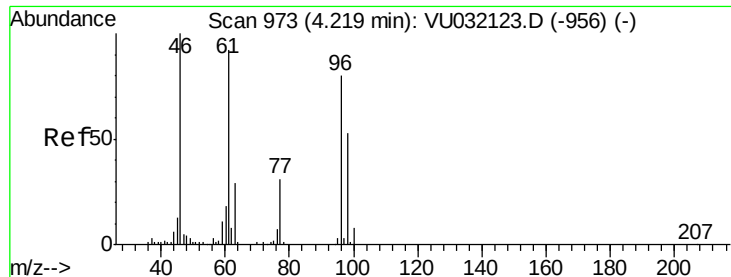
10000

0

2.90 2.95 3.00 3.05

Time-->



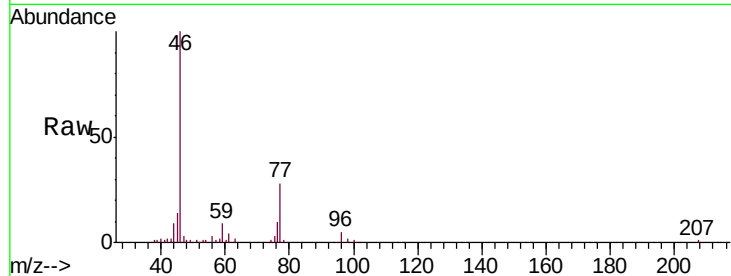


#22

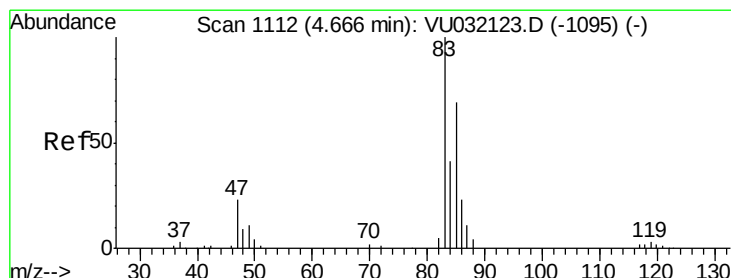
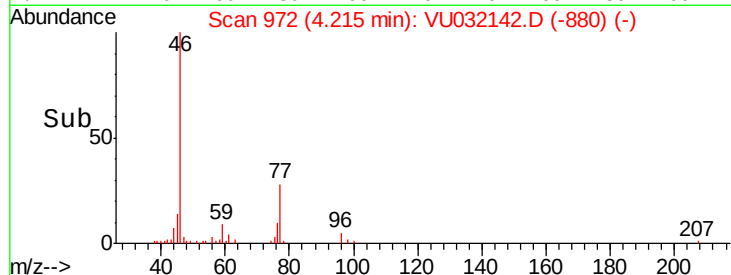
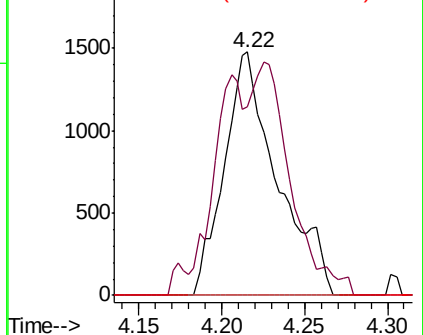
cis-1,2-Dichloroethene
 Concen: 0.213 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032142.D
 Acq: 18 May 2019 09:09

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W50

Tgt Ion: 96 Resp: 3314
 Ion Ratio Lower Upper
 96 100
 61 77.6 85.8 159.4#
 68 0.0 0.0 0.0



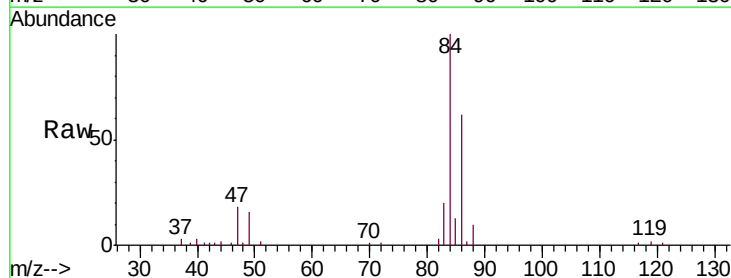
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



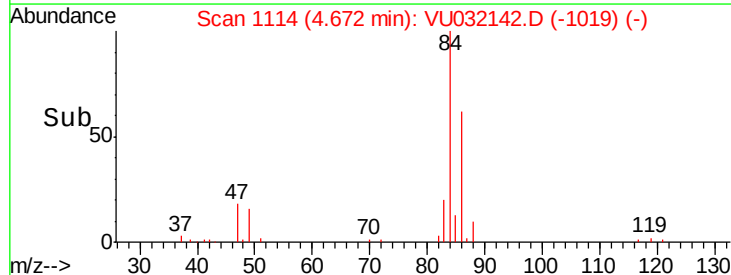
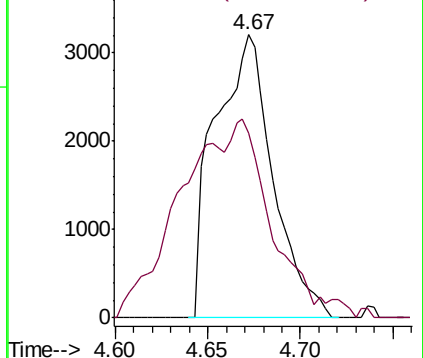
#25

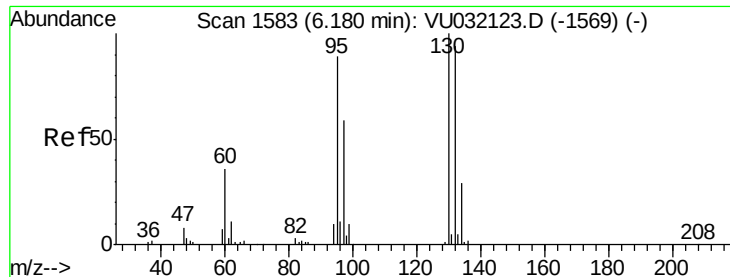
Chloroform
 Concen: 0.261 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VU032142.D
 Acq: 18 May 2019 09:09

Tgt Ion: 83 Resp: 6985
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.9 83.3



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





#34

Trichloroethene

Concen: 1.545 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

F9W50

Tgt Ion: 95 Resp: 23917

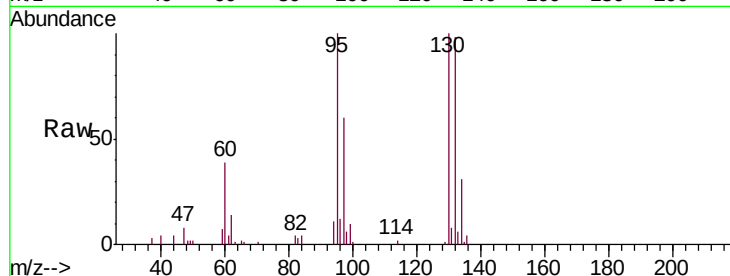
Ion Ratio Lower Upper

95 100

97 59.6 45.2 84.0

132 98.5 66.1 122.7

130 100.0 66.7 123.9

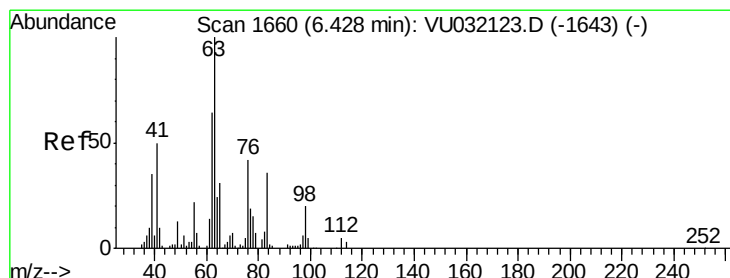
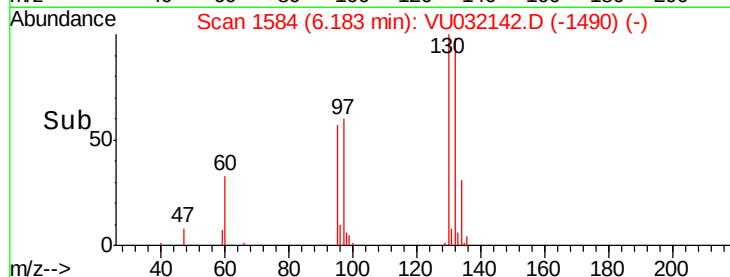
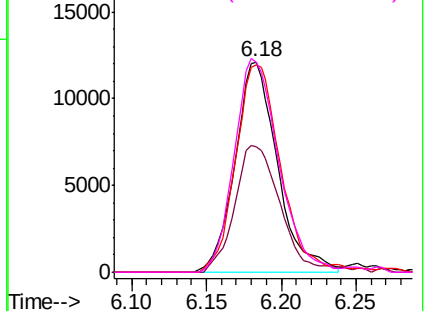


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 0.927 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032142.D

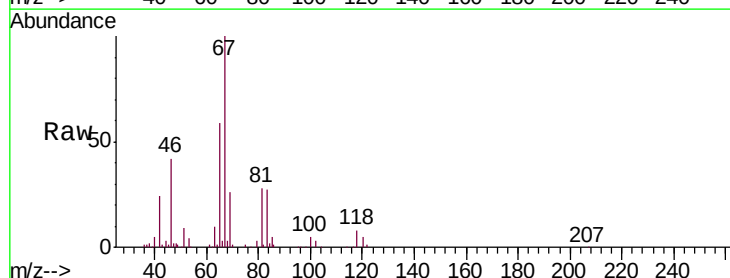
Acq: 18 May 2019 09:09

Tgt Ion: 63 Resp: 12939

Ion Ratio Lower Upper

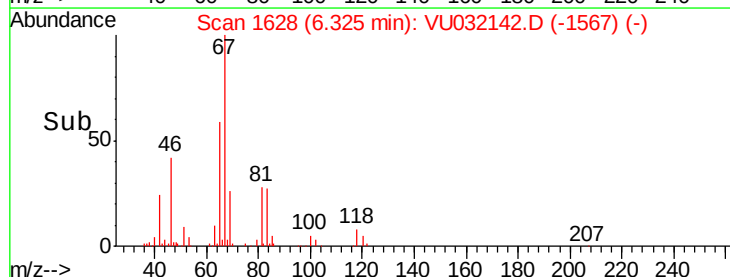
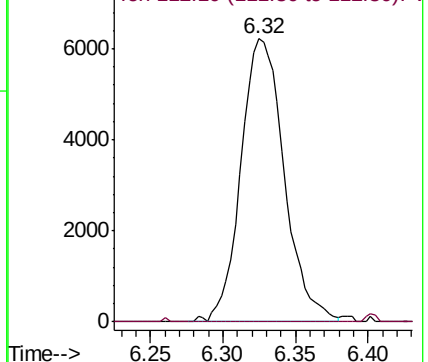
63 100

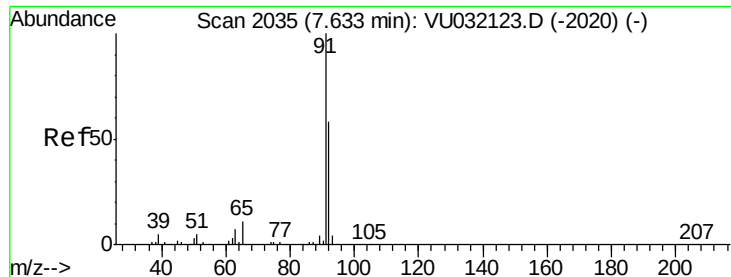
112 0.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.095 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

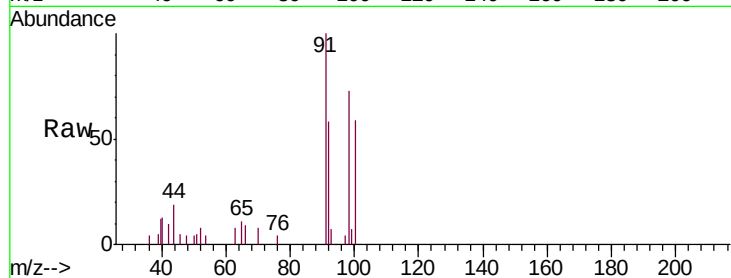
F9W50

Tgt Ion: 91 Resp: 5692

Ion Ratio Lower Upper

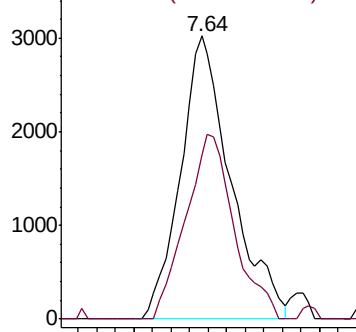
91 100

92 58.2 40.2 74.6

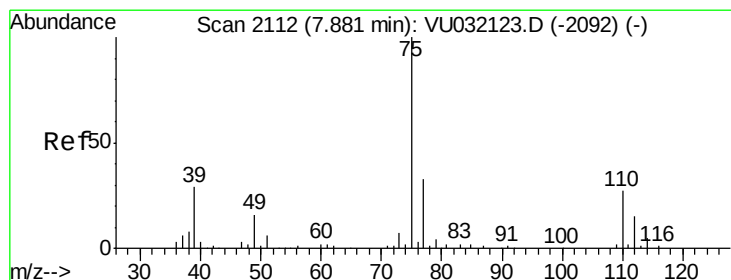
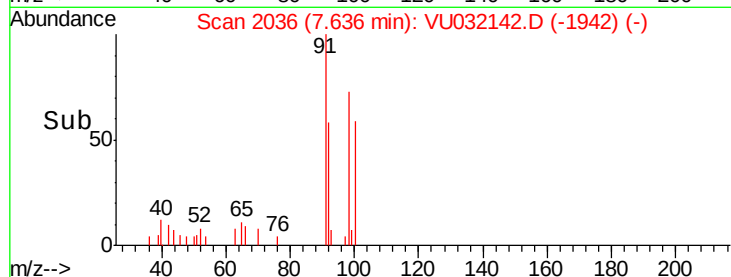


Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032142.D

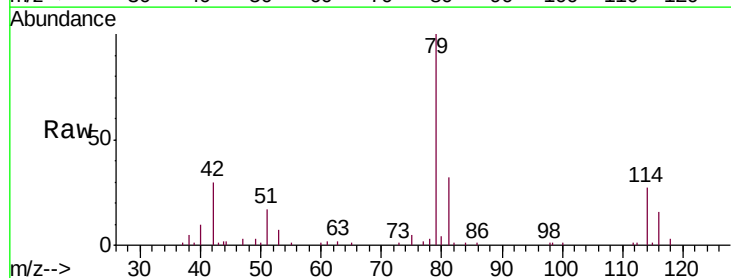
Acq: 18 May 2019 09:09

Tgt Ion: 75 Resp: 1431

Ion Ratio Lower Upper

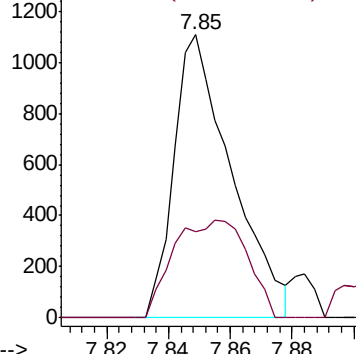
75 100

77 30.4 21.0 39.0

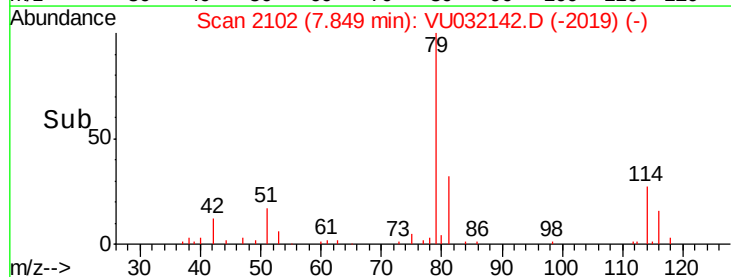


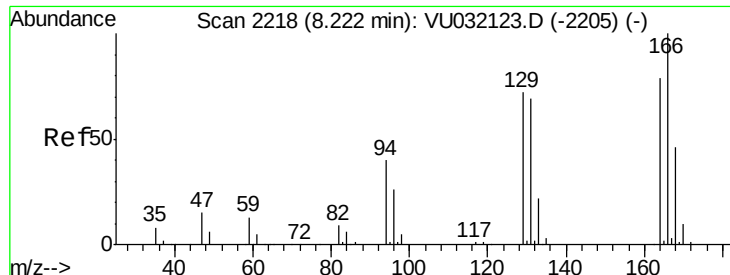
Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



Time-->

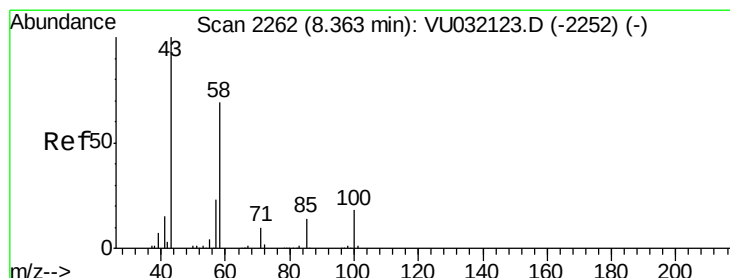
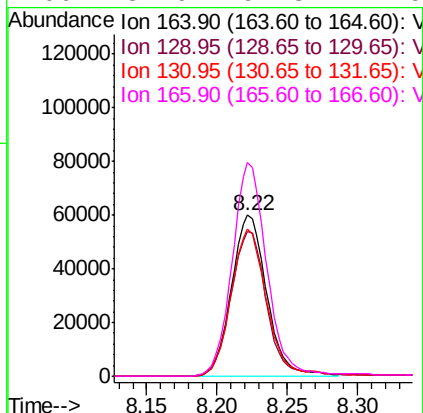
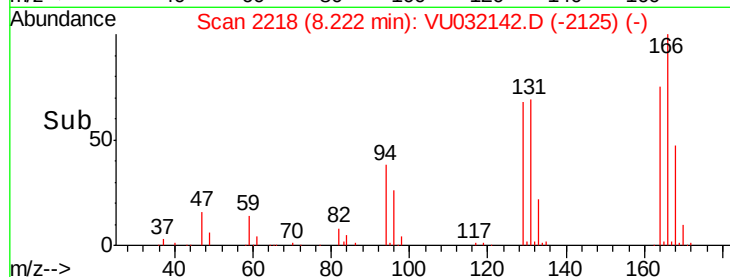
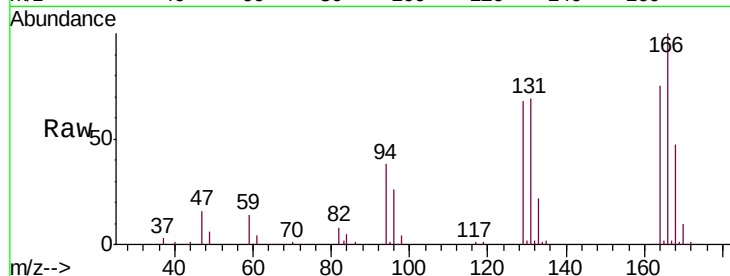




#47
Tetrachloroethene
Concen: 9.072 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU032142.D
Acq: 18 May 2019 09:09

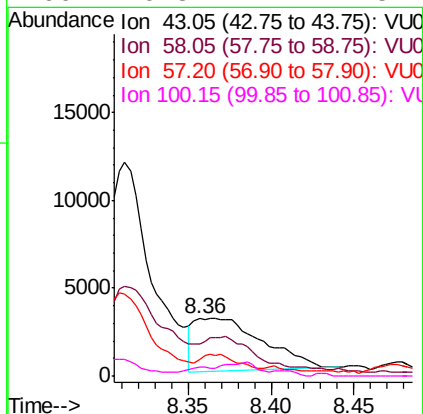
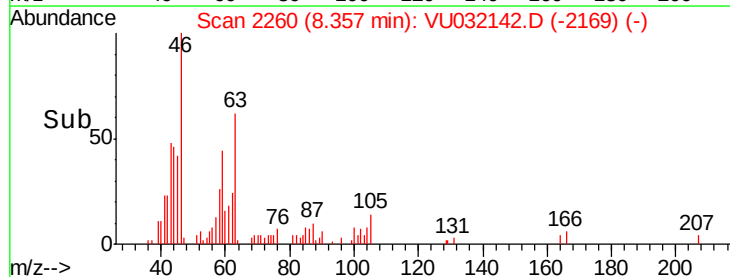
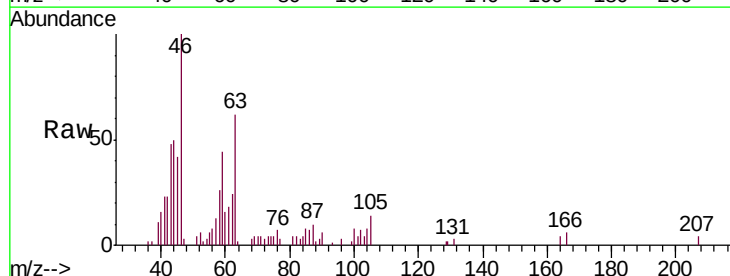
Instrument :
MSVOA_U
ClientSampleId :
F9W50

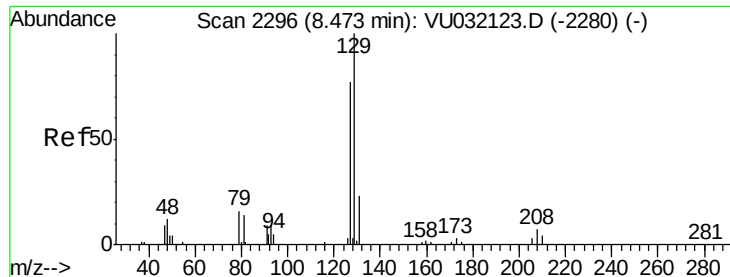
Tgt Ion	Ratio	Lower	Upper
164	100		
129	89.8	70.3	130.5
131	91.8	64.5	119.9
166	132.9	92.3	171.5



#48
2-Hexanone
Concen: 1.720 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.01 min
Lab File: VU032142.D
Acq: 18 May 2019 09:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	51.6	77.4#
57	19.2	18.4	27.6
100	6.8	12.2	18.4#





#49

Dibromochloromethane

Concen: 8.075 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Instrument :

MSVOA_U

ClientSampleId :

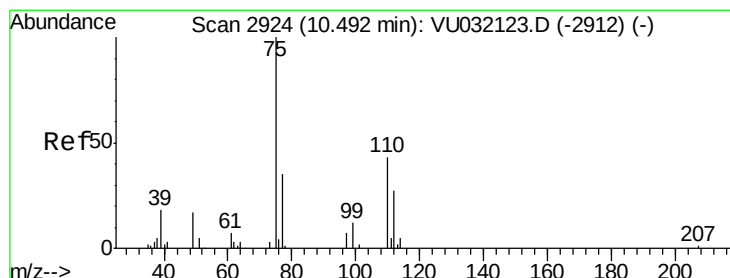
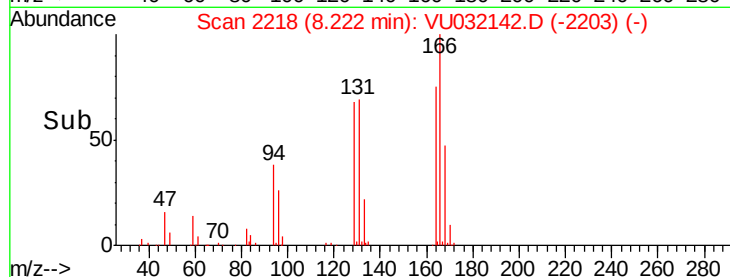
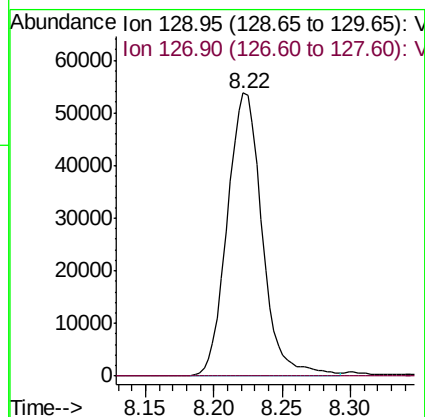
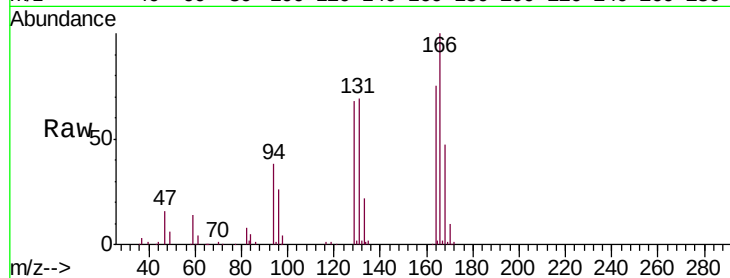
F9W50

Tgt Ion:129 Resp: 95917

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



#59

1,2,3-Trichloropropane

Concen: 1.730 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032142.D

Acq: 18 May 2019 09:09

Tgt Ion: 75 Resp: 15334

Ion Ratio Lower Upper

75 100

77 38.2 26.2 39.2

