

Data File : VU032156.D
Acq On : 20 May 2019 15:41
Operator : JC/SP
Sample : K2860-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W37

Quant Time: May 21 06:44:11 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	354164	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	366447	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	145836	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104362	3.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.00%
7) Chloroethane-d5	1.68	69	97145	3.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.20%
11) 1,1-Dichloroethene-d2	2.27	63	157024	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.20	46	251652	42.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.94%
24) Chloroform-d	4.64	84	223076	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.31	65	112201	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
32) Benzene-d6	5.33	84	445780	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.33	67	131615	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.56	98	353805	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	7.85	79	44727	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.31	63	217047	40.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112903	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	138865	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

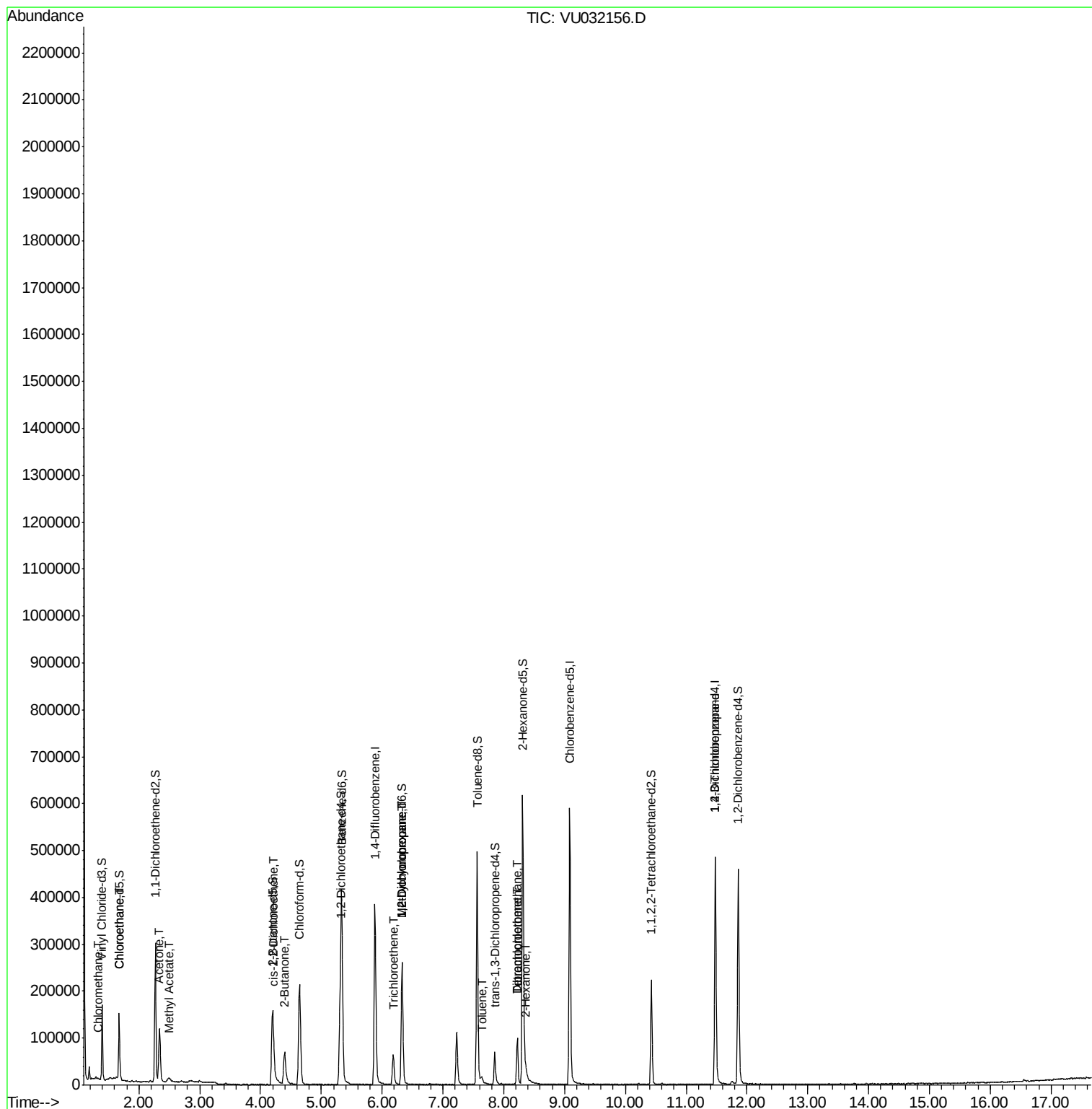
					Qvalue
3) Chloromethane	1.32	50	2609	0.153 ug/L	97
8) Chloroethane	1.68	64	1587	0.143 ug/L #	51
13) Acetone	2.33	43	54842	28.522 ug/L	98
15) Methyl Acetate	2.48	43	1482	0.269 ug/L #	53
21) 2-Butanone	4.40	43	76103	27.574 ug/L #	42
22) cis-1,2-Dichloroethene	4.22	96	1906	0.127 ug/L	79
34) Trichloroethene	6.18	95	23087	1.513 ug/L	99
35) Methylcyclohexane	6.33	83	33187	1.510 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	14210	1.033 ug/L #	88
42) Toluene	7.64	91	11393	0.193 ug/L	99
47) Tetrachloroethene	8.22	164	25783	2.260 ug/L	94
48) 2-Hexanone	8.37	43	12080	2.442 ug/L #	55
49) Dibromochloromethane	8.22	129	24279	2.073 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	14826	1.697 ug/L	96

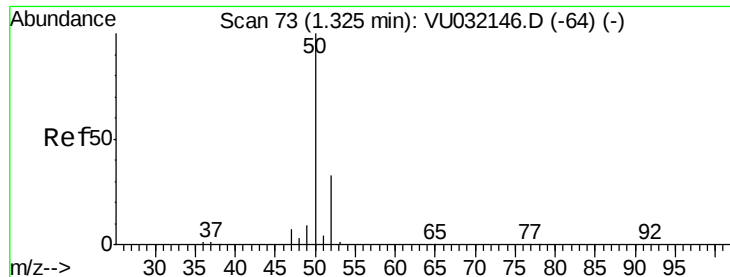
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

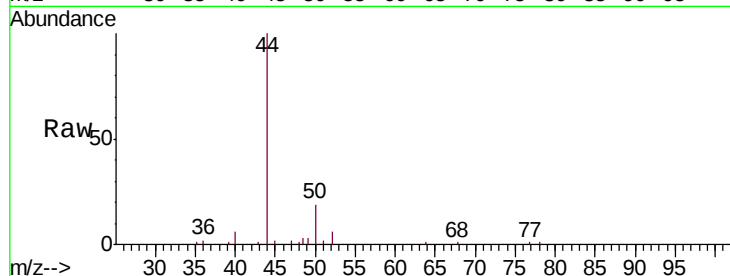
F9W37

Tgt Ion: 50 Resp: 2609

Ion Ratio Lower Upper

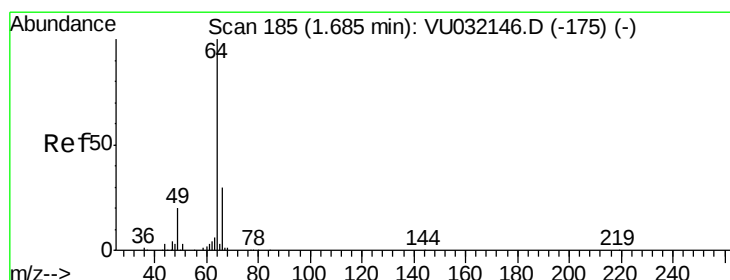
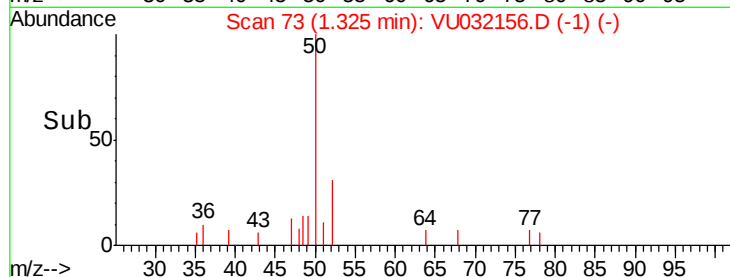
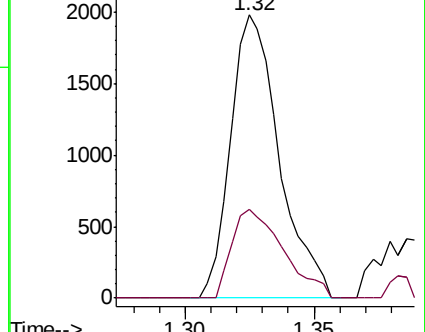
50 100

52 31.3 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032146.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032146.D (-64) (-)



#8

Chloroethane

Concen: 0.143 ug/L

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU032156.D

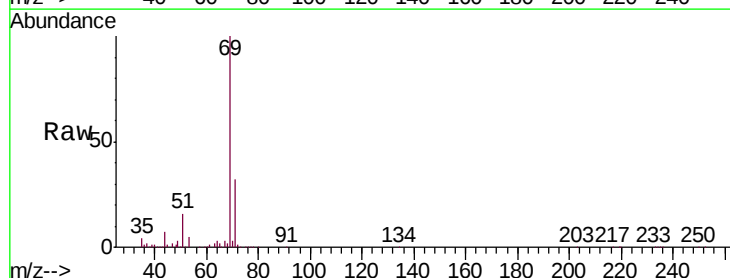
Acq: 20 May 2019 15:41

Tgt Ion: 64 Resp: 1587

Ion Ratio Lower Upper

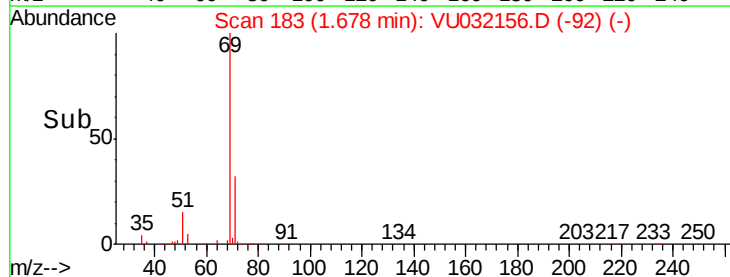
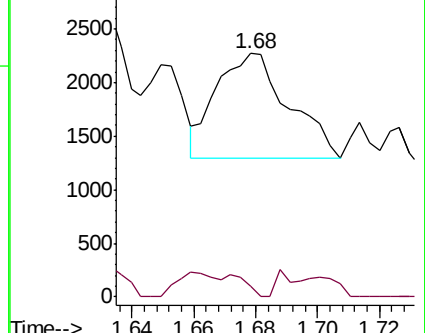
64 100

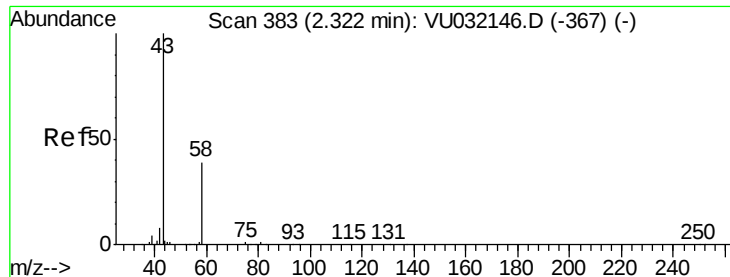
66 4.5 22.0 41.0#



Abundance Ion 64.10 (63.80 to 64.80): VU032146.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU032146.D (-175) (-)





#13

Acetone

Concen: 28.522 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

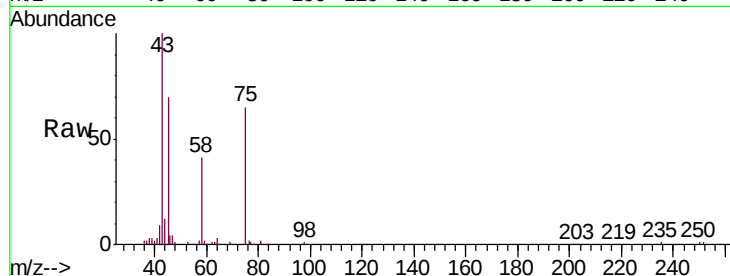
F9W37

Tgt Ion: 43 Resp: 54842

Ion Ratio Lower Upper

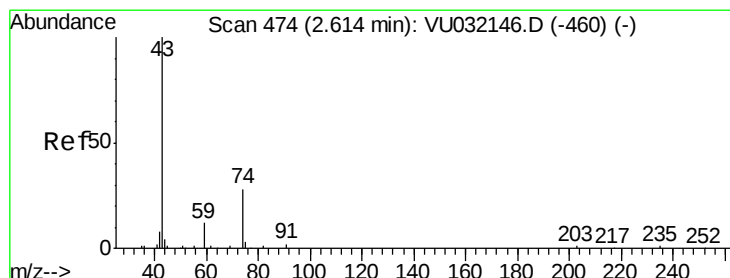
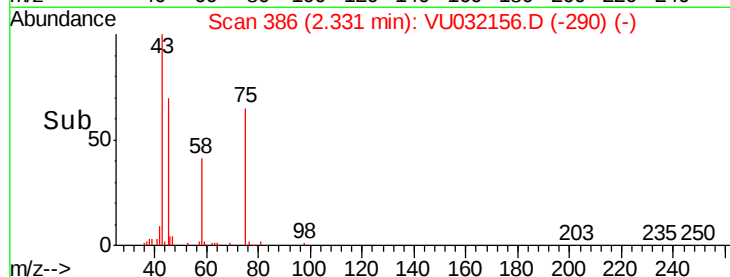
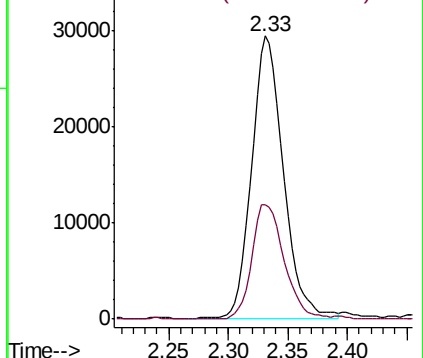
43 100

58 40.9 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032146.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU032146.D (-367) (-)



#15

Methyl Acetate

Concen: 0.269 ug/L

RT: 2.48 min Scan# 433

Delta R.T. -0.13 min

Lab File: VU032156.D

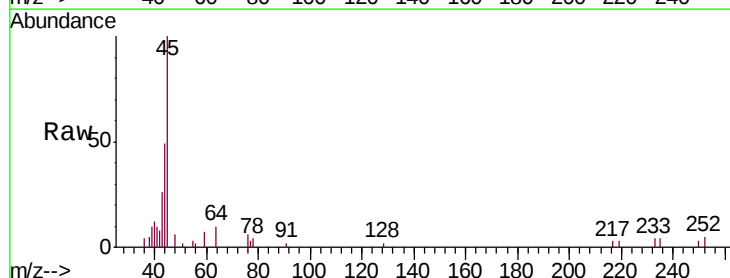
Acq: 20 May 2019 15:41

Tgt Ion: 43 Resp: 1482

Ion Ratio Lower Upper

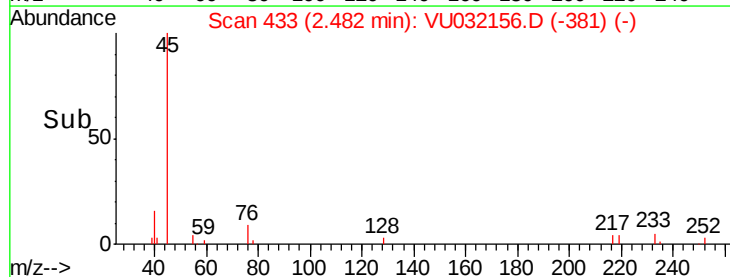
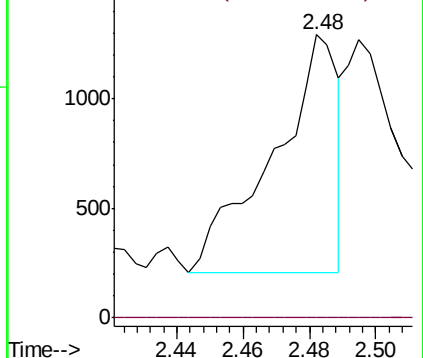
43 100

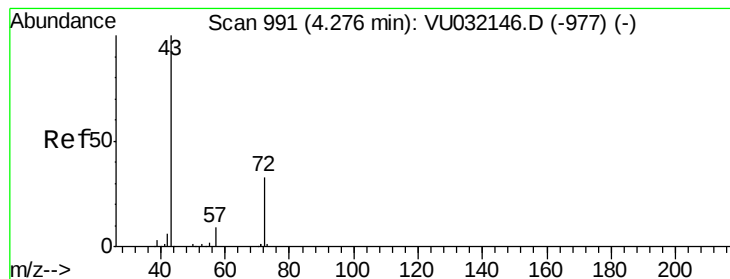
74 6.6 26.4 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VU032146.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU032146.D (-460) (-)





#21

2-Butanone

Concen: 27.574 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. 0.12 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

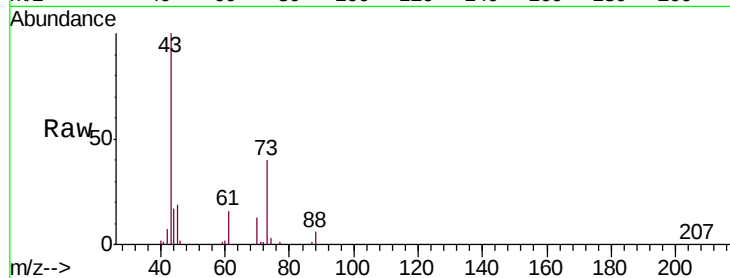
F9W37

Tgt Ion: 43 Resp: 76103

Ion Ratio Lower Upper

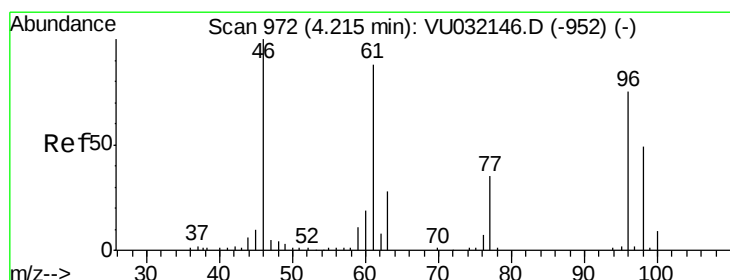
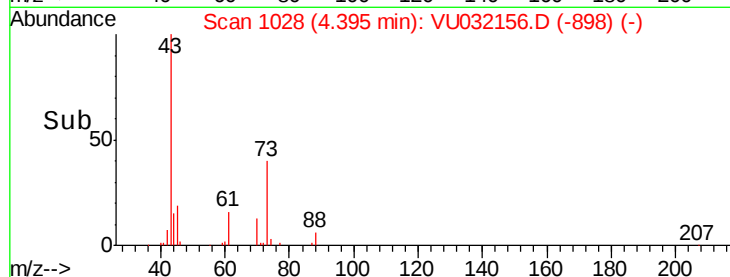
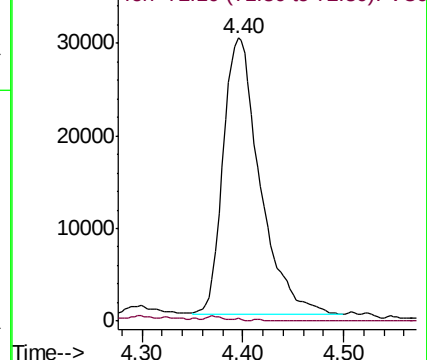
43 100

72 0.2 16.8 50.3#



Abundance Ion 43.05 (42.75 to 43.75): VU032156.D (-898) (-)

Ion 72.10 (71.80 to 72.80): VU032156.D (-898) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.127 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.01 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

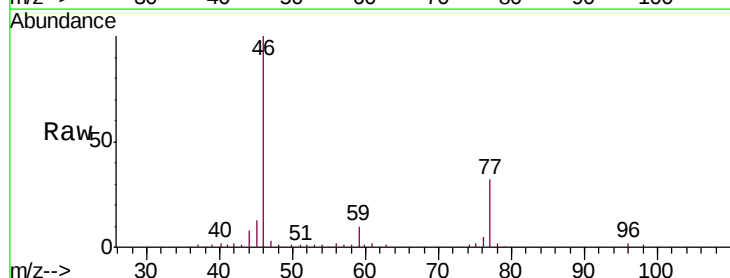
Tgt Ion: 96 Resp: 1906

Ion Ratio Lower Upper

96 100

61 98.7 85.8 159.4

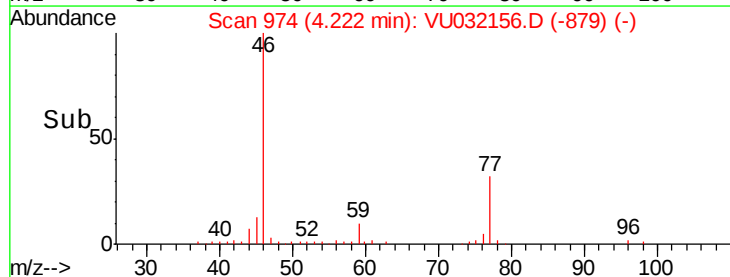
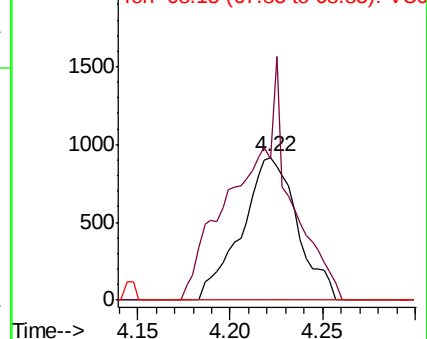
68 0.0 0.0 0.0

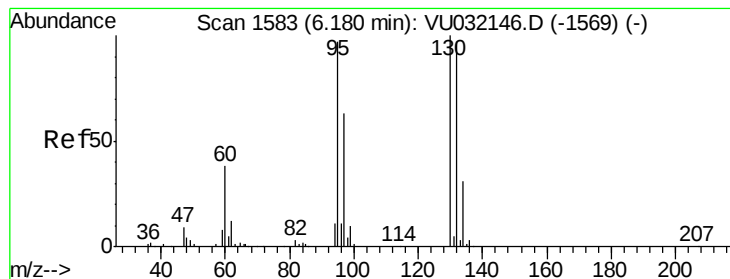


Abundance Ion 96.00 (95.70 to 96.70): VU032156.D (-879) (-)

Ion 61.05 (60.75 to 61.75): VU032156.D (-879) (-)

Ion 68.15 (67.85 to 68.85): VU032156.D (-879) (-)





#34

Trichloroethene

Concen: 1.513 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

F9W37

Tgt Ion: 95 Resp: 23087

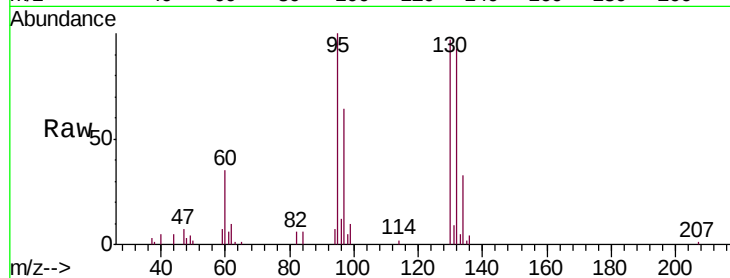
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 92.8 66.1 122.7

130 96.8 66.7 123.9

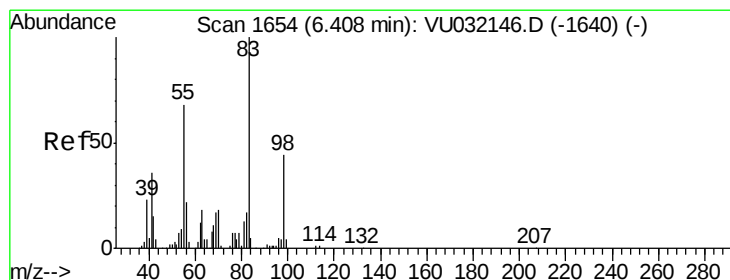
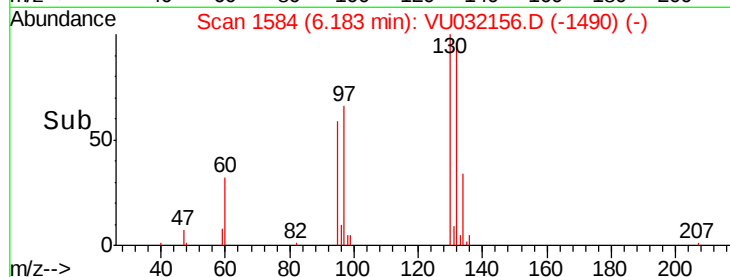
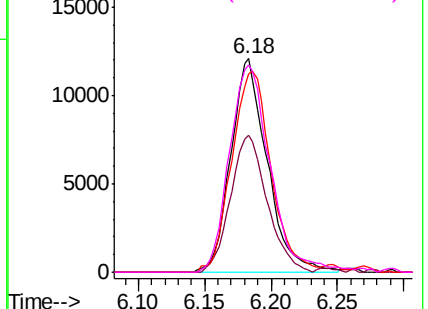


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.510 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

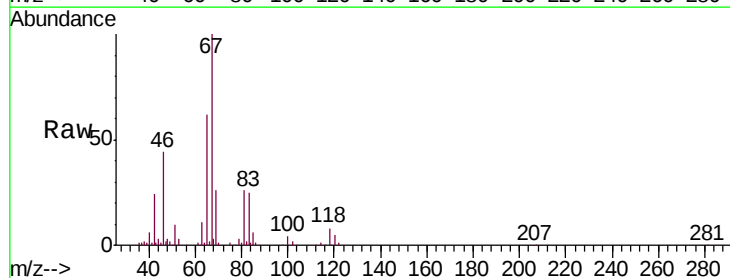
Tgt Ion: 83 Resp: 33187

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

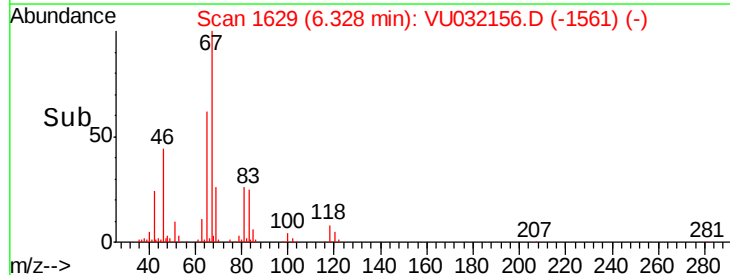
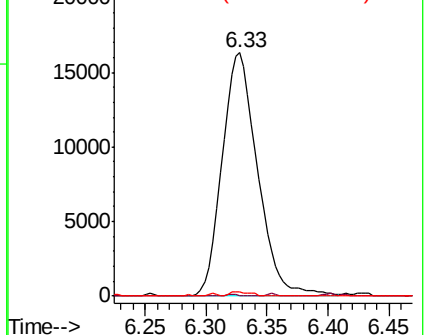
98 1.1 36.8 55.2#

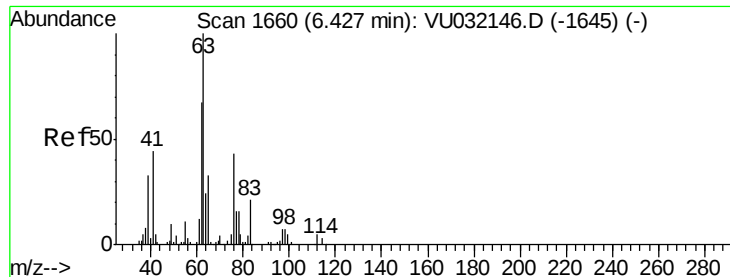


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.033 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

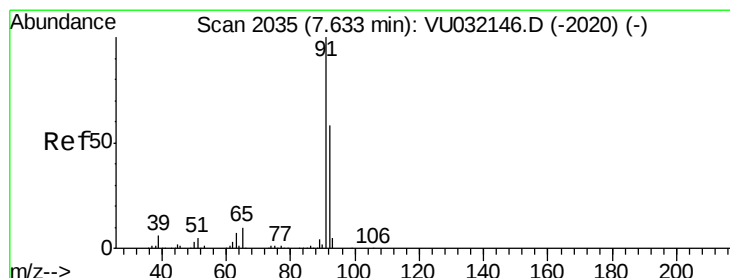
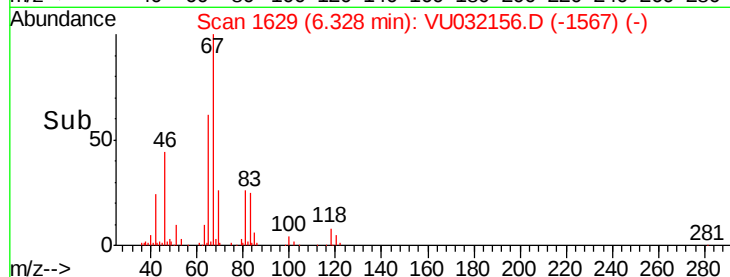
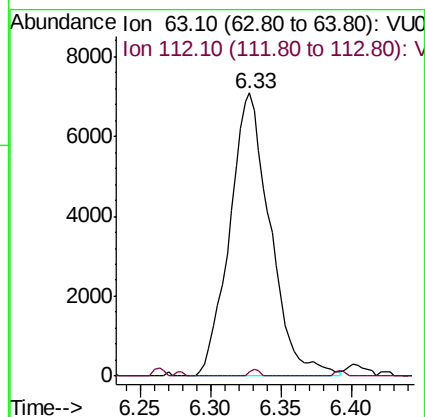
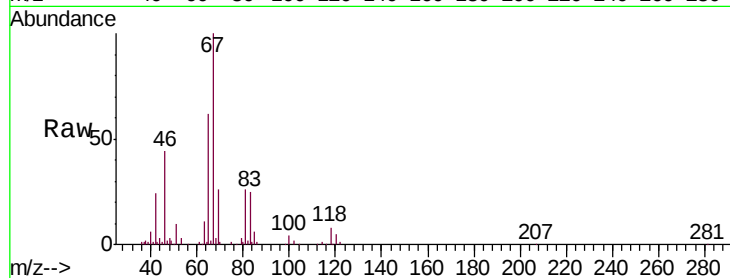
F9W37

Tgt Ion: 63 Resp: 14210

Ion Ratio Lower Upper

63 100

112 0.6 3.8 5.6#



#42

Toluene

Concen: 0.193 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032156.D

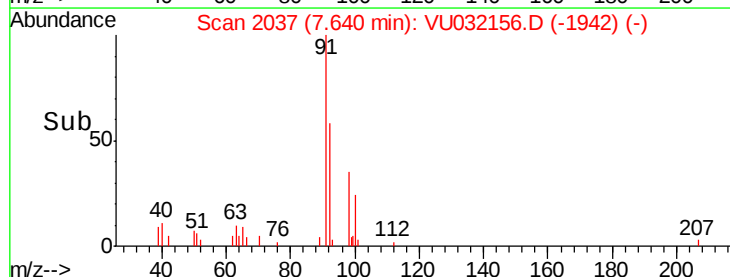
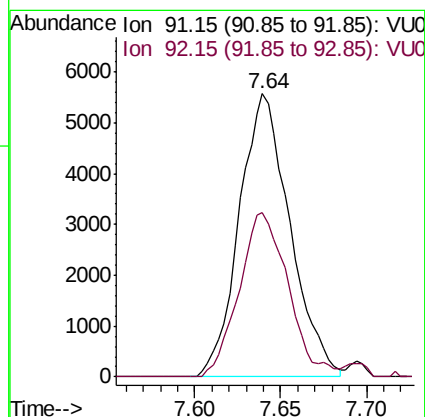
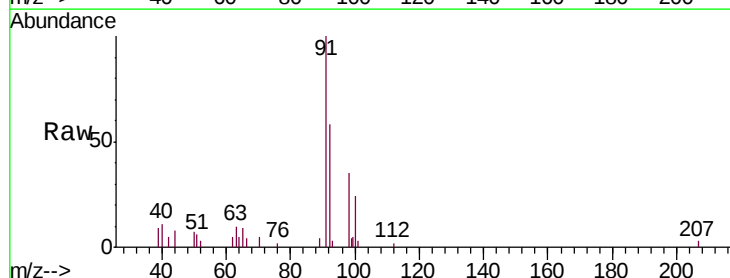
Acq: 20 May 2019 15:41

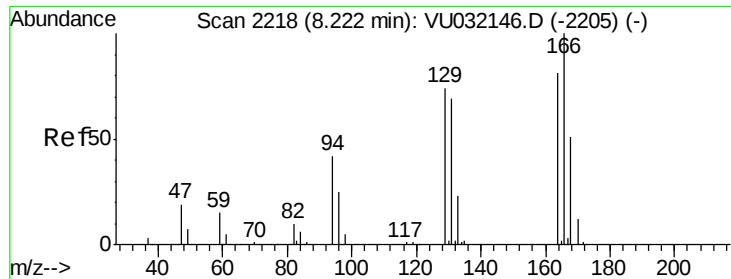
Tgt Ion: 91 Resp: 11393

Ion Ratio Lower Upper

91 100

92 57.9 40.2 74.6

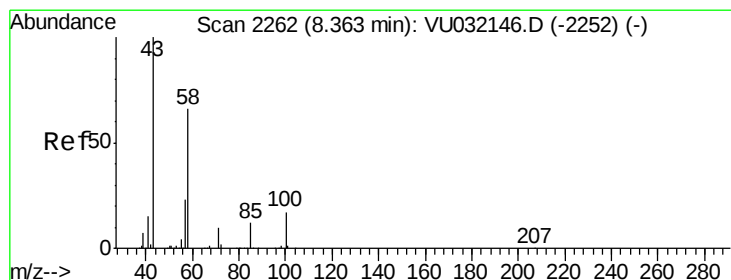
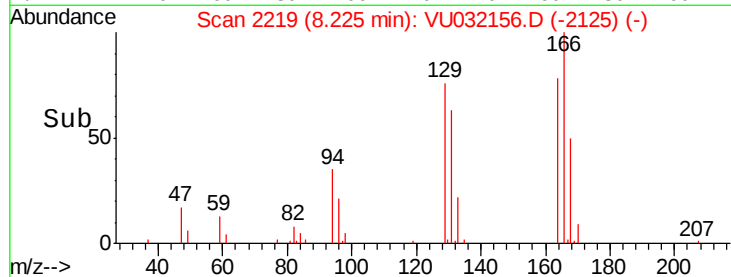
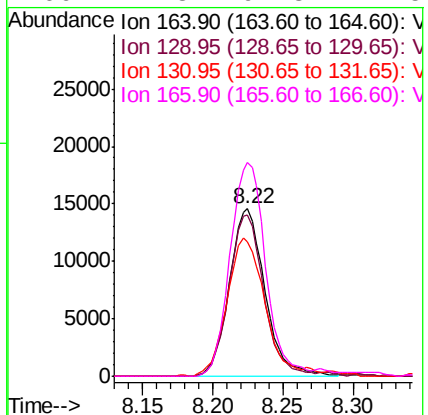
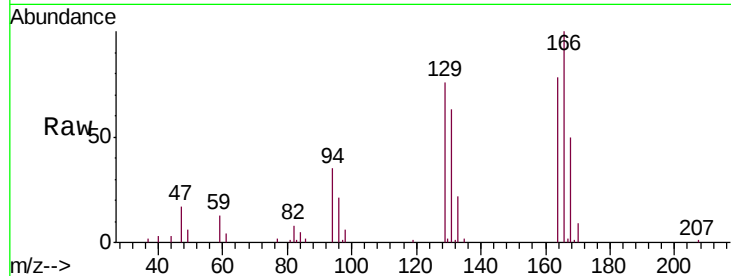




#47
Tetrachloroethene
Concen: 2.260 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032156.D
Acq: 20 May 2019 15:41

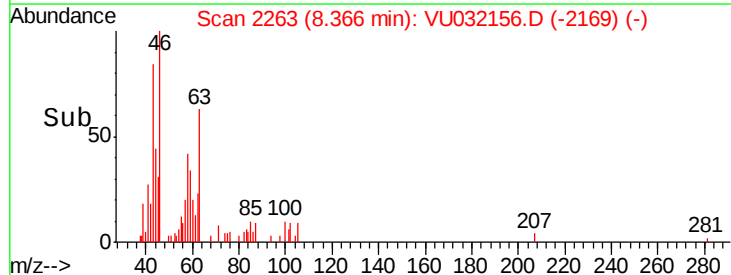
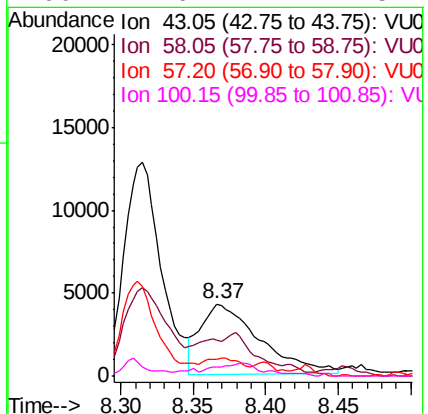
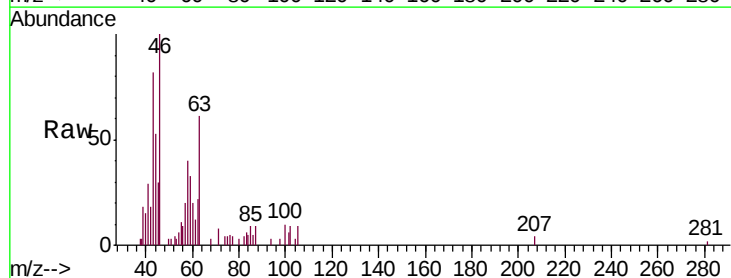
Instrument :
MSVOA_U
ClientSampled :
F9W37

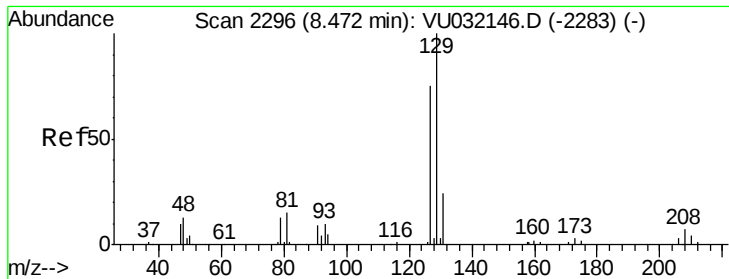
Tgt Ion:164 Resp: 25783
Ion Ratio Lower Upper
164 100
129 96.8 70.3 130.5
131 80.5 64.5 119.9
166 127.8 92.3 171.5



#48
2-Hexanone
Concen: 2.442 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032156.D
Acq: 20 May 2019 15:41

Tgt Ion: 43 Resp: 12080
Ion Ratio Lower Upper
43 100
58 18.9 51.6 77.4#
57 15.9 18.4 27.6#
100 1.6 12.2 18.4#





#49

Dibromochloromethane

Concen: 2.073 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU032156.D

Acq: 20 May 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

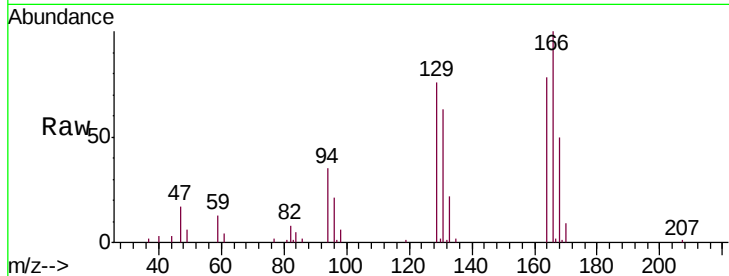
F9W37

Tgt Ion:129 Resp: 24279

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

8.22

15000

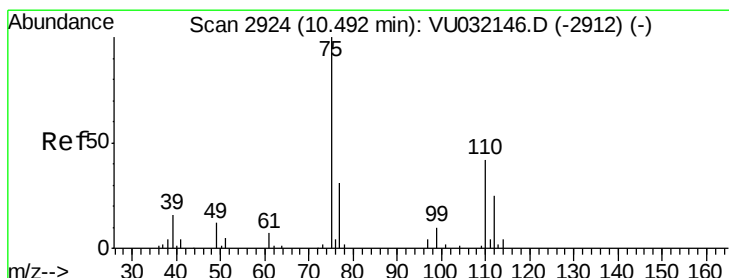
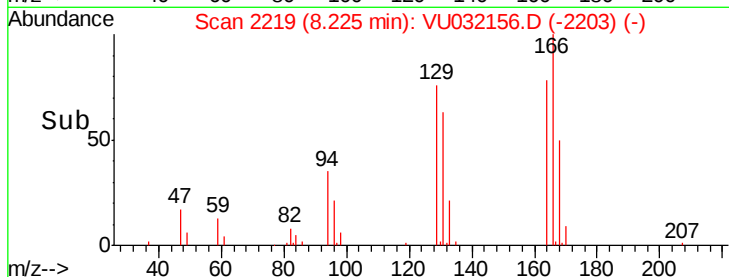
10000

5000

0

Time-->

8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.697 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032156.D

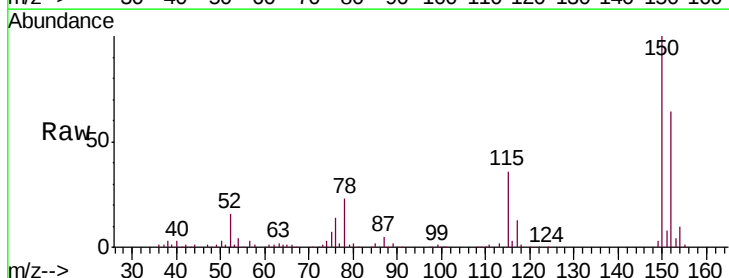
Acq: 20 May 2019 15:41

Tgt Ion: 75 Resp: 14826

Ion Ratio Lower Upper

75 100

77 34.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

10000

8000

6000

4000

2000

0

Time-->

11.45 11.50

