

Data File : VU032983.D
Acq On : 22 Jun 2019 06:58
Operator : JC/SP
Sample : K3464-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF61

Quant Time: Jun 24 02:04:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 02:01:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	195814	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	192538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91881	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49549	37.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.06%
7) Chloroethane-d5	1.68	69	45078	42.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.48%
11) 1,1-Dichloroethene-d2	2.27	63	82379	30.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.12%
21) 2-Butanone-d5	4.17	46	121402	108.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.99%
24) Chloroform-d	4.64	84	121760	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.30	65	88400	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
32) Benzene-d6	5.33	84	227923	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
36) 1,2-Dichloropropane-d6	6.32	67	77051	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.38%
41) Toluene-d8	7.56	98	205558	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	7.85	79	34072	40.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.94%
47) 2-Hexanone-d5	8.31	63	70618	94.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.59%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116985	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	86665	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

Target Compounds

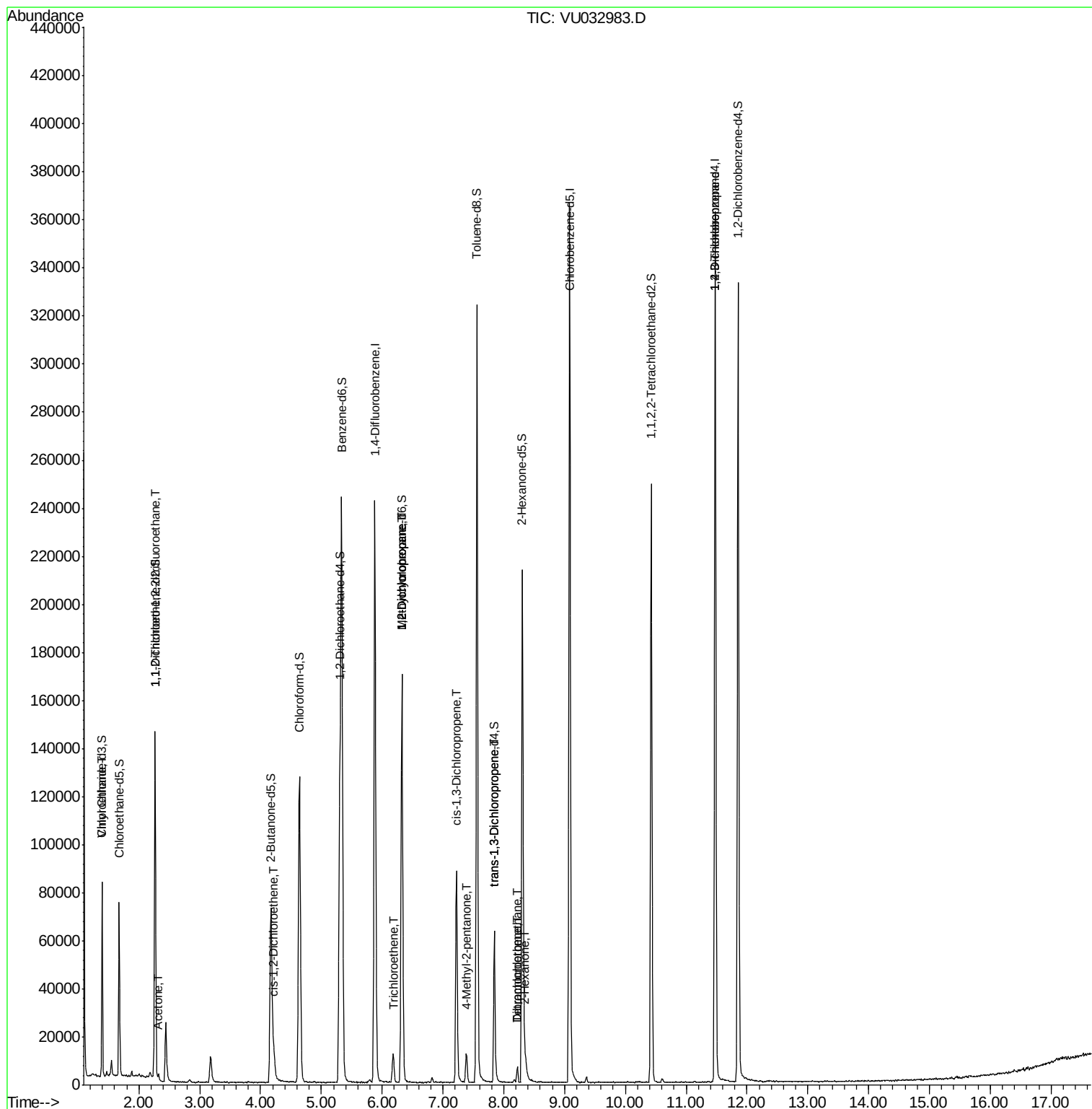
					Qvalue	
8) Chloroethane	1.40	64	797	0.779	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	786	0.601	ug/L #	17
13) Acetone	2.32	43	1796	1.167	ug/L	85
20) cis-1,2-Dichloroethene	4.22	96	3185	2.186	ug/L	95
34) Trichloroethene	6.18	95	3754	2.533	ug/L	94
35) Methylcyclohexane	6.32	83	18173	7.933	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	9230	6.067	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2476	1.045	ug/L #	53
40) 4-Methyl-2-pentanone	7.39	43	5885	2.423	ug/L #	46
44) trans-1,3-Dichloropropene	7.85	75	1723	0.774	ug/L	93
46) Tetrachloroethene	8.22	164	1527	1.257	ug/L	89
48) 2-Hexanone	8.36	43	3339	1.558	ug/L #	46
49) Dibromochloromethane	8.22	129	1406	0.824	ug/L #	12
59) 1,2,3-Trichloropropane	11.48	75	12134	5.976	ug/L #	86

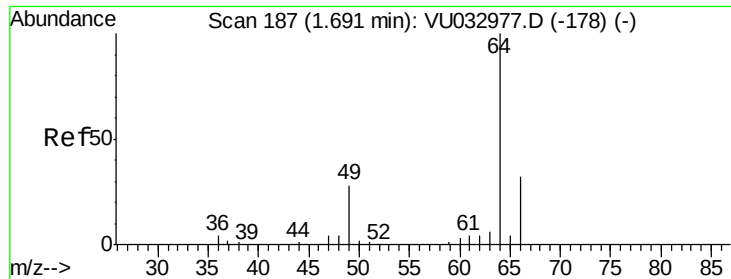
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 24 02:01:10 2019
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#8

Chloroethane

Concen: 0.779 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

Instrument :

MSVOA_U

ClientSampled :

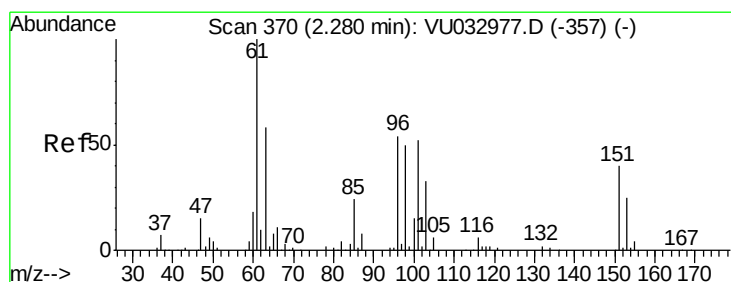
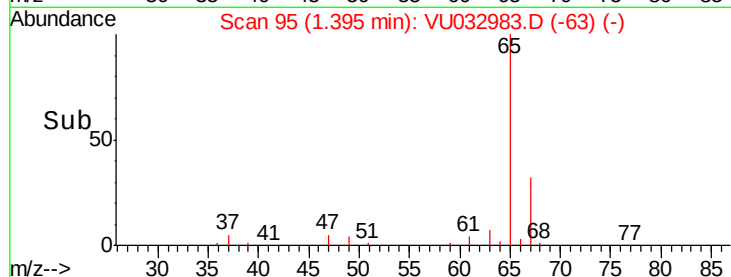
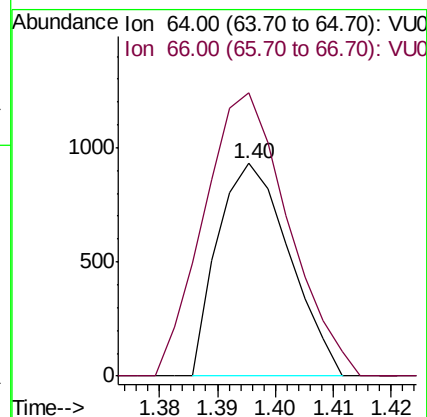
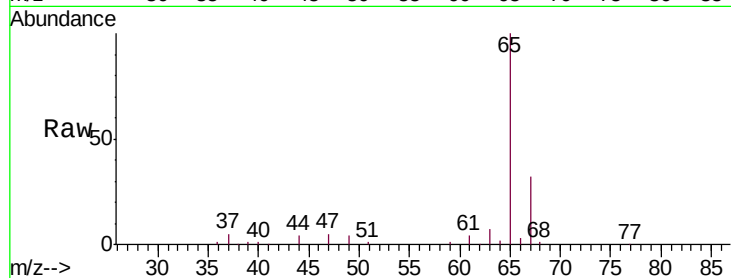
ETF61

Tgt Ion: 64 Resp: 797

Ion Ratio Lower Upper

64 100

66 132.9 22.5 41.7#



#10

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

Concen: 0.601 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

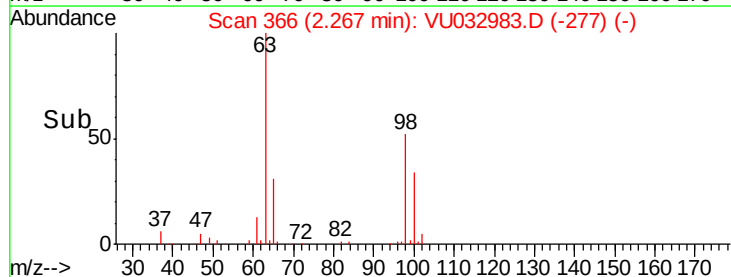
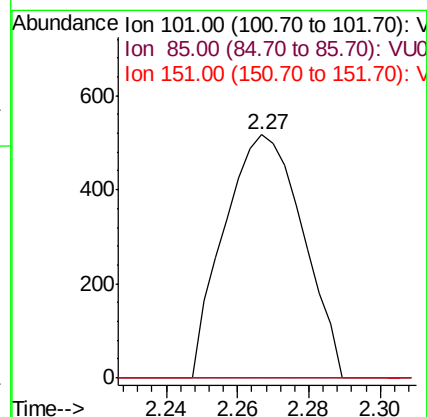
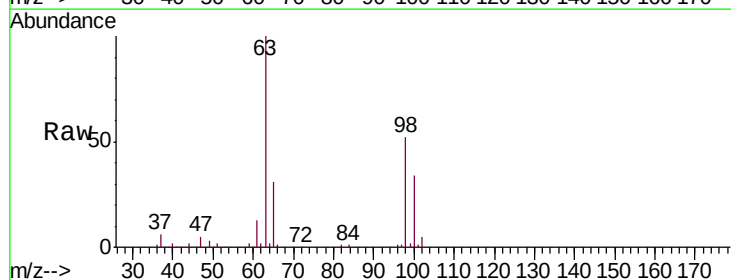
Tgt Ion: 101 Resp: 786

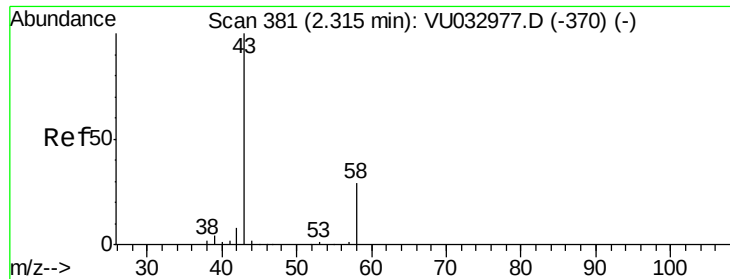
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#13

Acetone

Concen: 1.167 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

Instrument :

MSVOA_U

ClientSampled :

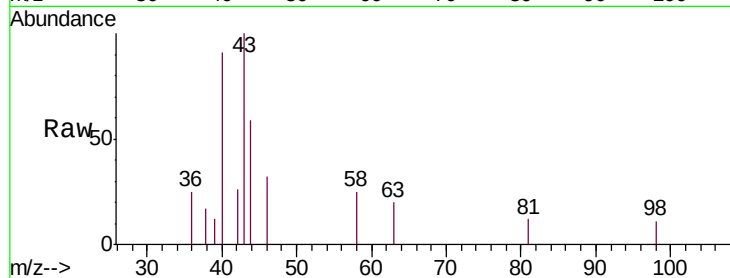
ETF61

Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

43 100

58 22.2 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

1000

800

600

400

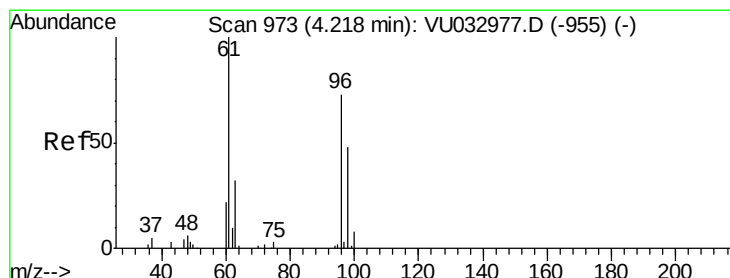
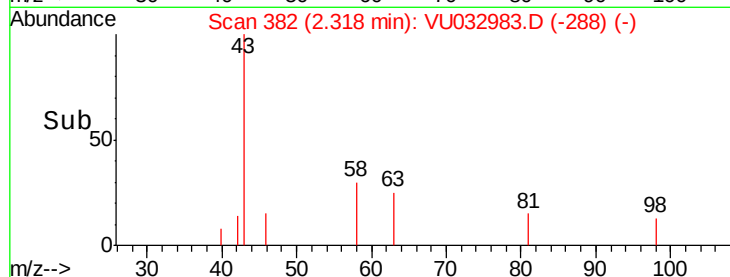
200

0

2.30

2.35

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.186 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

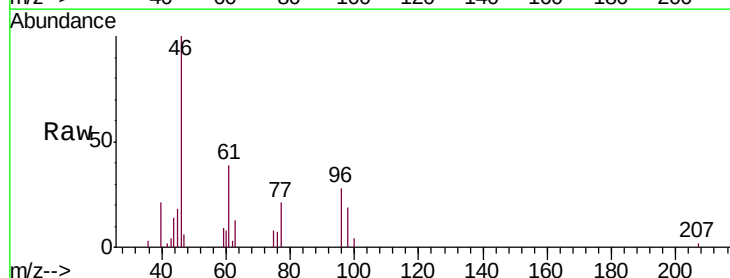
Tgt Ion: 96 Resp: 3185

Ion Ratio Lower Upper

96 100

61 137.4 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

2000

1500

1000

500

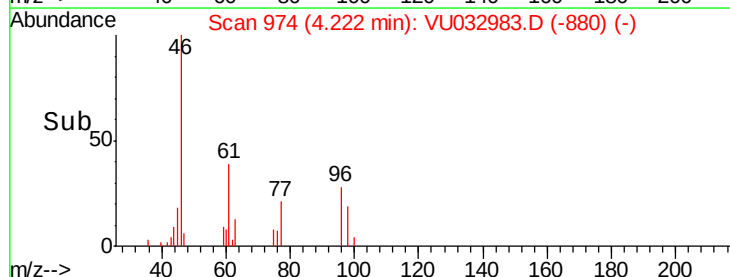
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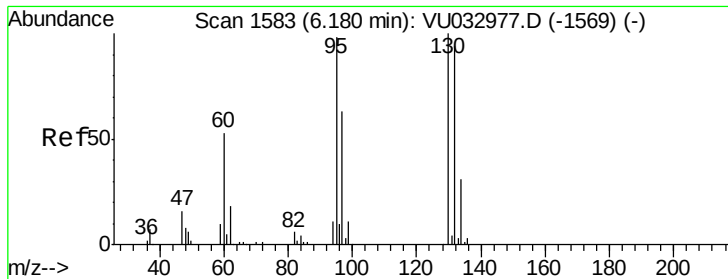
4.15

4.20

4.25

Time-->





#34

Trichloroethene

Concen: 2.533 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

Instrument :

MSVOA_U

ClientSampled :

ETF61

Tgt Ion: 95 Resp: 3754

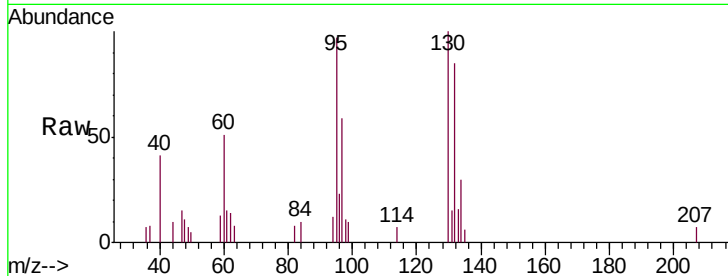
Ion Ratio Lower Upper

95 100

97 60.7 45.9 85.3

132 87.8 68.5 127.3

130 102.8 70.8 131.4

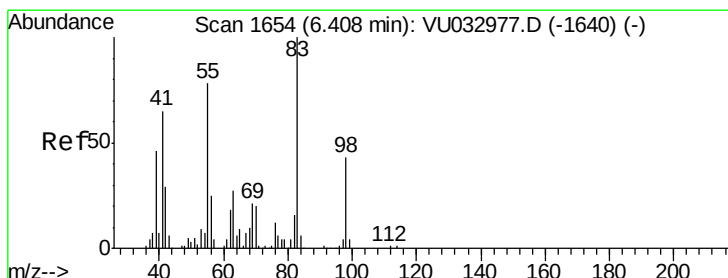
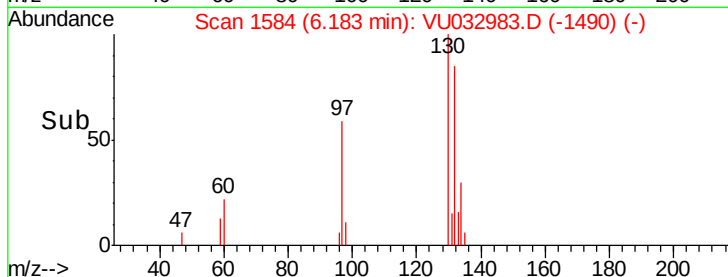
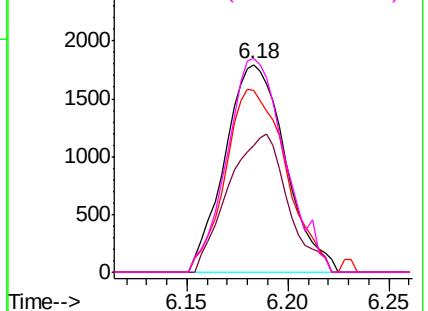


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 7.933 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

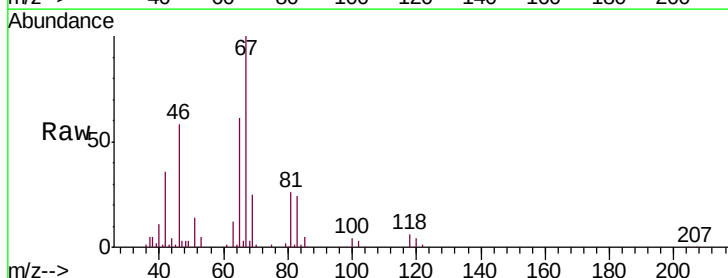
Tgt Ion: 83 Resp: 18173

Ion Ratio Lower Upper

83 100

55 0.4 62.6 94.0#

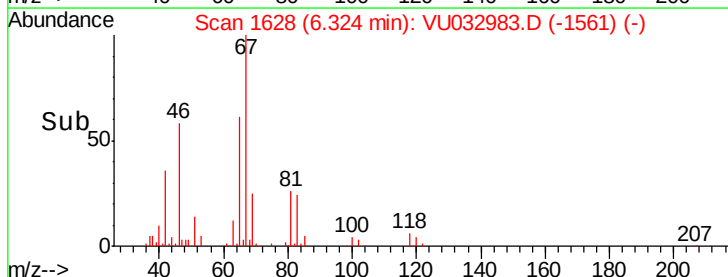
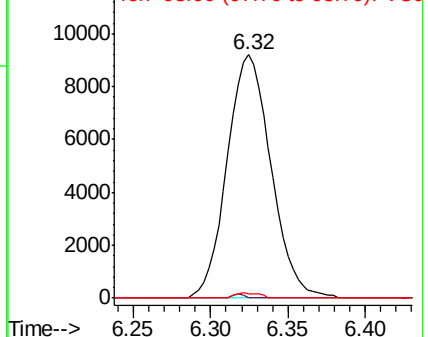
98 1.2 37.4 56.0#

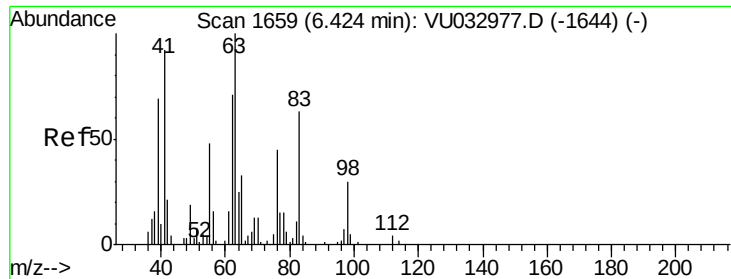


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

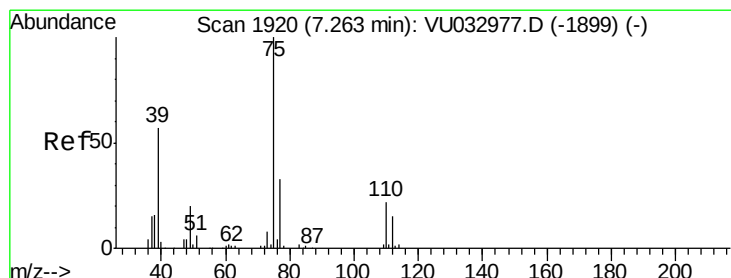
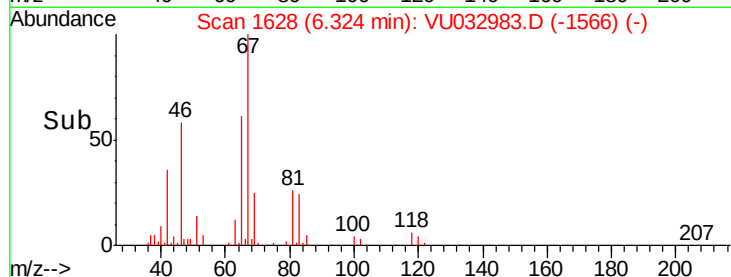
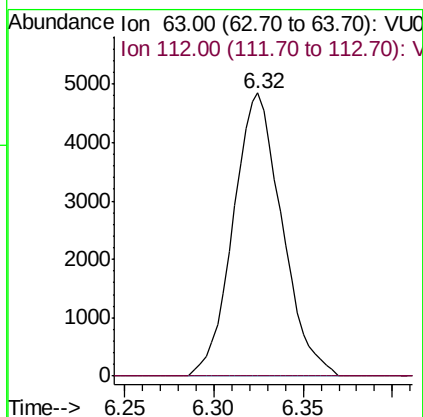
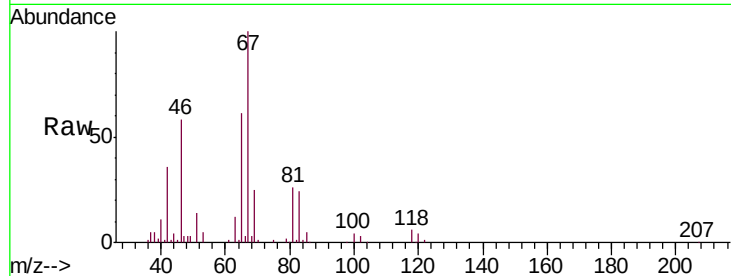




#37
 1,2-Dichloropropane
 Concen: 6.067 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032983.D
 Acq: 22 Jun 2019 06:58

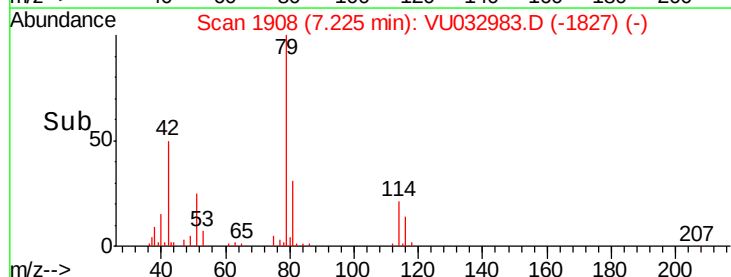
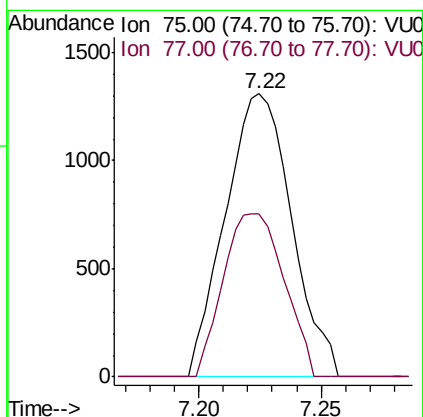
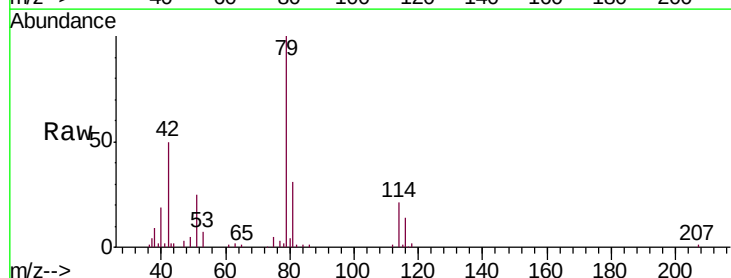
Instrument :
 MSVOA_U
 ClientSampled :
 ETF61

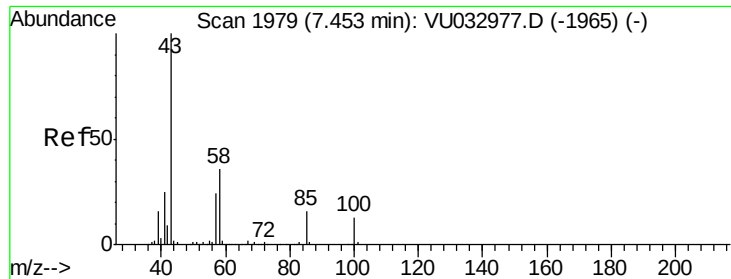
Tgt Ion: 63 Resp: 9230
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.045 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032983.D
 Acq: 22 Jun 2019 06:58

Tgt Ion: 75 Resp: 2476
 Ion Ratio Lower Upper
 75 100
 77 57.4 21.9 40.7#

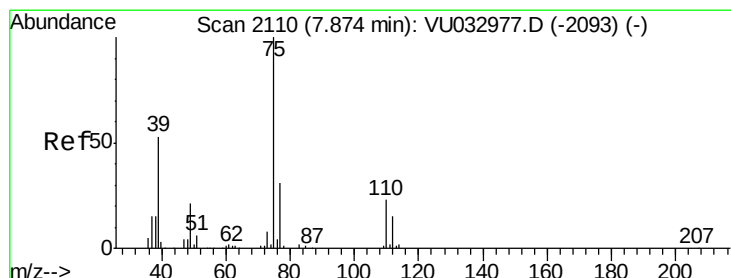
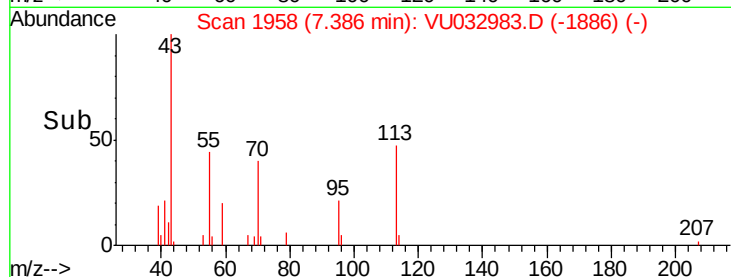
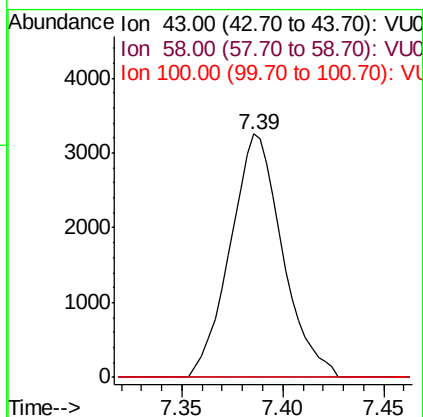
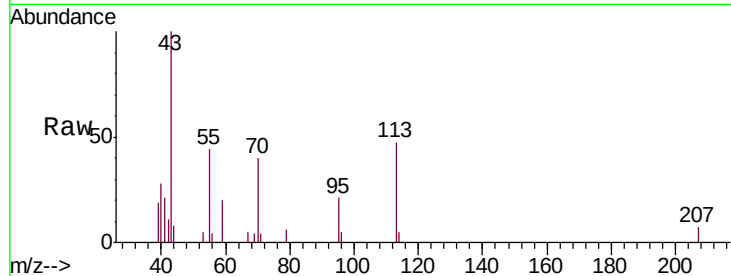




#40
 4-Methyl-2-pentanone
 Concen: 2.423 ug/L
 RT: 7.39 min Scan# 1958
 Delta R.T. -0.07 min
 Lab File: VU032983.D
 Acq: 22 Jun 2019 06:58

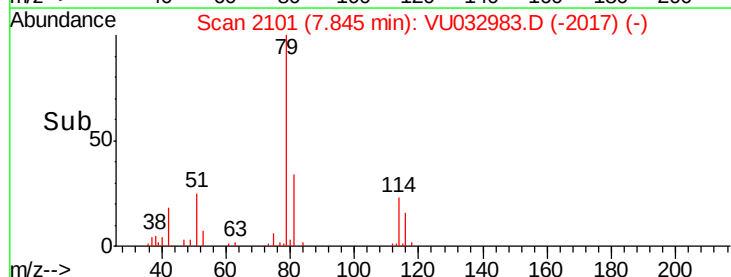
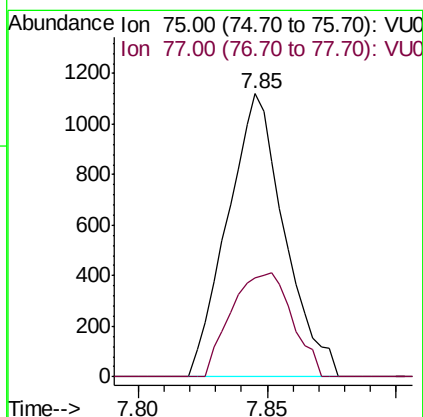
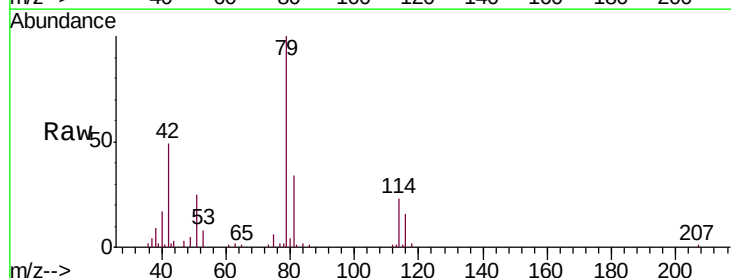
Instrument :
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 ClientSampleId :
 ETF61

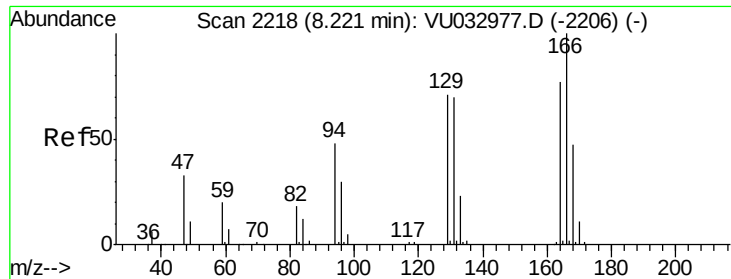
Tgt Ion: 43 Resp: 5885
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#
 100 0.0 11.2 16.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.774 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU032983.D
 Acq: 22 Jun 2019 06:58

Tgt Ion: 75 Resp: 1723
 Ion Ratio Lower Upper
 75 100
 77 34.8 21.8 40.4

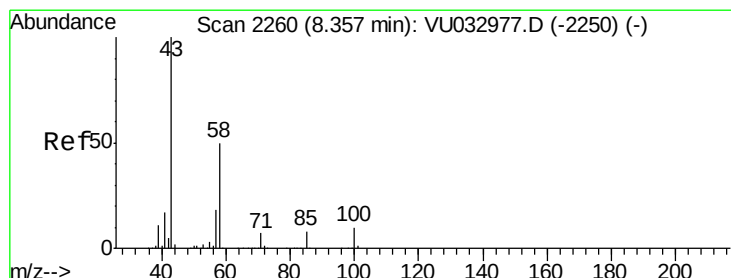
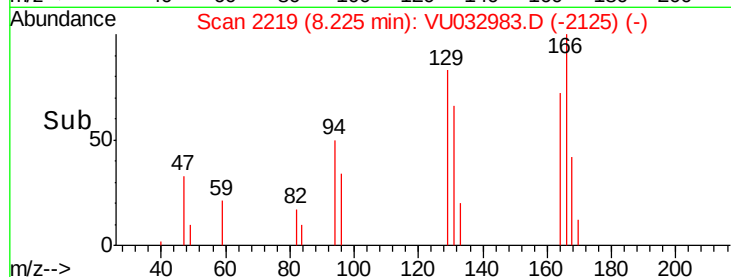
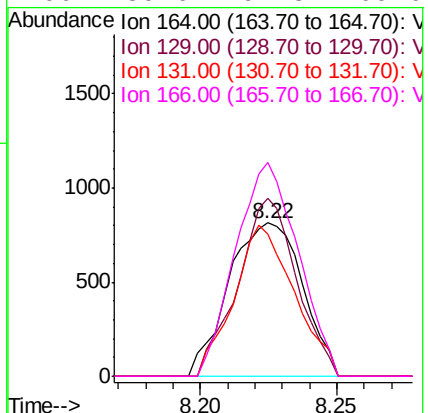
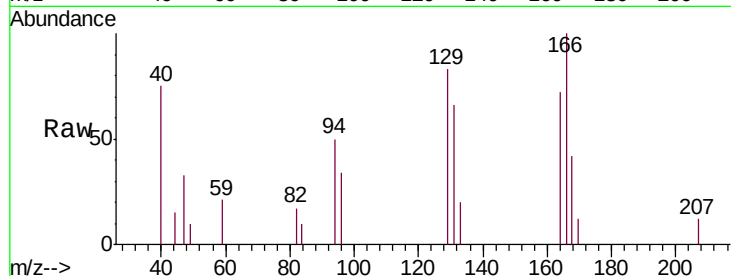




#46
Tetrachloroethene
Concen: 1.257 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032983.D
Acq: 22 Jun 2019 06:58

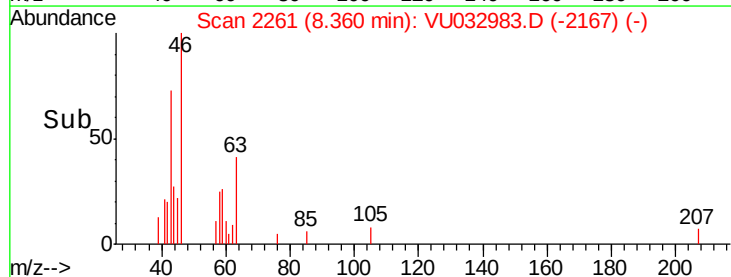
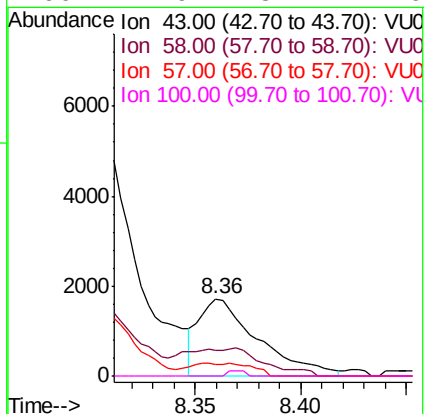
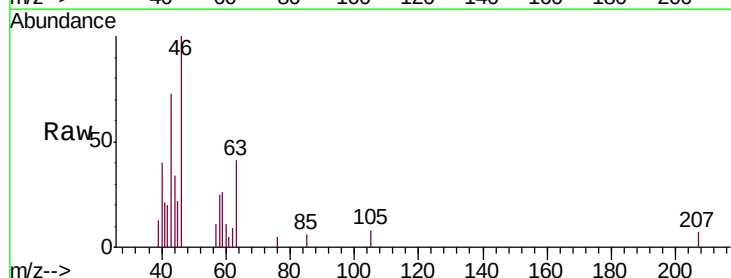
Instrument :
MSVOA_U
ClientSampleId :
ETF61

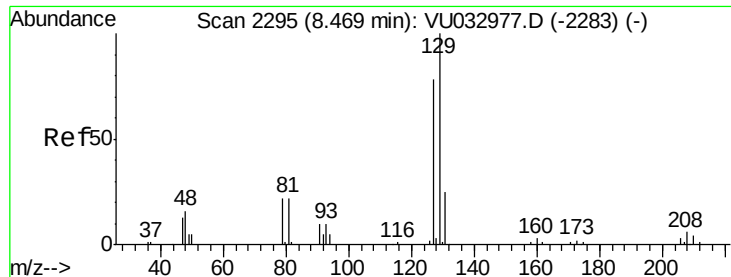
Tgt Ion: 164 Resp: 1527
Ion Ratio Lower Upper
164 100
129 116.0 64.8 120.3
131 92.6 64.5 119.7
166 139.6 91.3 169.6



#48
2-Hexanone
Concen: 1.558 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032983.D
Acq: 22 Jun 2019 06:58

Tgt Ion: 43 Resp: 3339
Ion Ratio Lower Upper
43 100
58 2.9 40.2 60.2#
57 3.1 14.2 21.4#
100 1.9 8.4 12.6#





#49

Dibromochloromethane

Concen: 0.824 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.24 min

Lab File: VU032983.D

Acq: 22 Jun 2019 06:58

Instrument :

MSVOA_U

ClientSampleId :

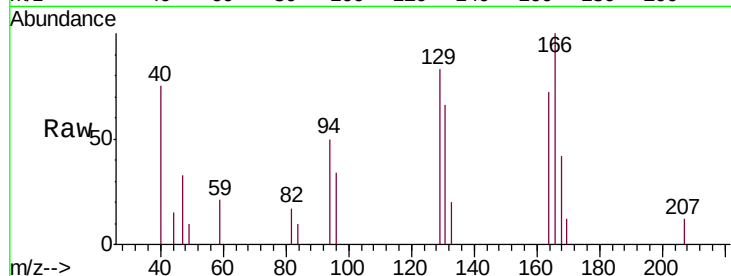
ETF61

Tgt Ion:129 Resp: 1406

Ion Ratio Lower Upper

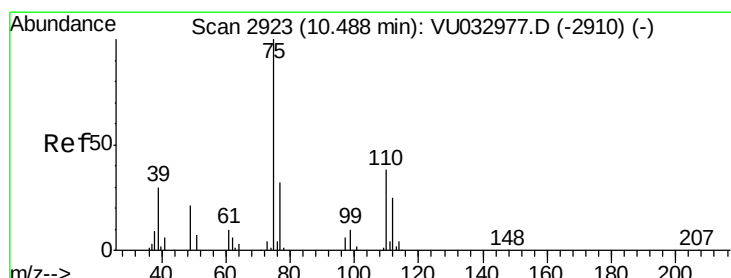
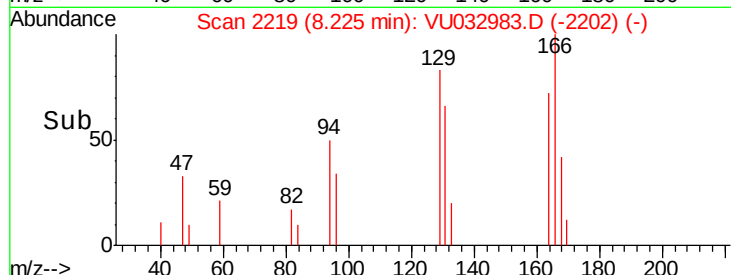
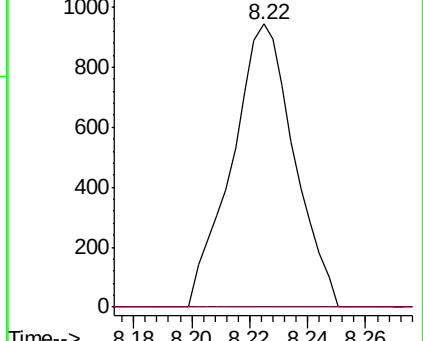
129 100

127 0.0 52.3 97.1#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.976 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032983.D

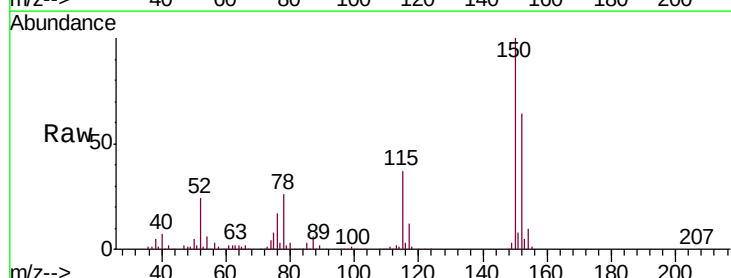
Acq: 22 Jun 2019 06:58

Tgt Ion: 75 Resp: 12134

Ion Ratio Lower Upper

75 100

77 39.9 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

