

Data File : VU032976.D
Acq On : 22 Jun 2019 03:31
Operator : JC/SP
Sample : K3464-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF50

Quant Time: Jun 24 01:12:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 01:08:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192606	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187079	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90307	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	47988	36.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.92%
7) Chloroethane-d5	1.68	69	46203	44.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.02%
11) 1,1-Dichloroethene-d2	2.26	63	81762	30.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.66%
21) 2-Butanone-d5	4.17	46	117267	107.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.04%
24) Chloroform-d	4.64	84	118982	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.30	65	84997	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
32) Benzene-d6	5.33	84	227490	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
36) 1,2-Dichloropropane-d6	6.32	67	75787	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.56%
41) Toluene-d8	7.56	98	201576	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%
43) trans-1,3-Dichloropropene-	7.85	79	34597	42.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.62%
47) 2-Hexanone-d5	8.31	63	70706	97.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.47%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115570	48.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	86062	49.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.50%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.40	62	1581	0.904	ug/L #	23
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	724	0.563	ug/L #	17
13) Acetone	2.32	43	3088	2.041	ug/L	90
17) trans-1,2-Dichloroethene	2.98	96	646	0.491	ug/L	91
20) cis-1,2-Dichloroethene	4.22	96	29932	20.890	ug/L	97
25) Chloroform	4.67	83	20224	7.821	ug/L	93
27) 1,2-Dichloroethane	5.33	62	1465	0.690	ug/L #	77
34) Trichloroethene	6.18	95	214172	148.737	ug/L	99
35) Methylcyclohexane	6.32	83	17505	7.865	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9406	6.363	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2445	1.062	ug/L	87
40) 4-Methyl-2-pentanone	7.38	43	1328	0.563	ug/L #	46
44) trans-1,3-Dichloropropene	7.84	75	1664	0.769	ug/L	97
48) 2-Hexanone	8.36	43	2571	1.235	ug/L #	48
59) 1,2,3-Trichloropropane	11.48	75	11540	5.849	ug/L #	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062219\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Mon Jun 24 01:08:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

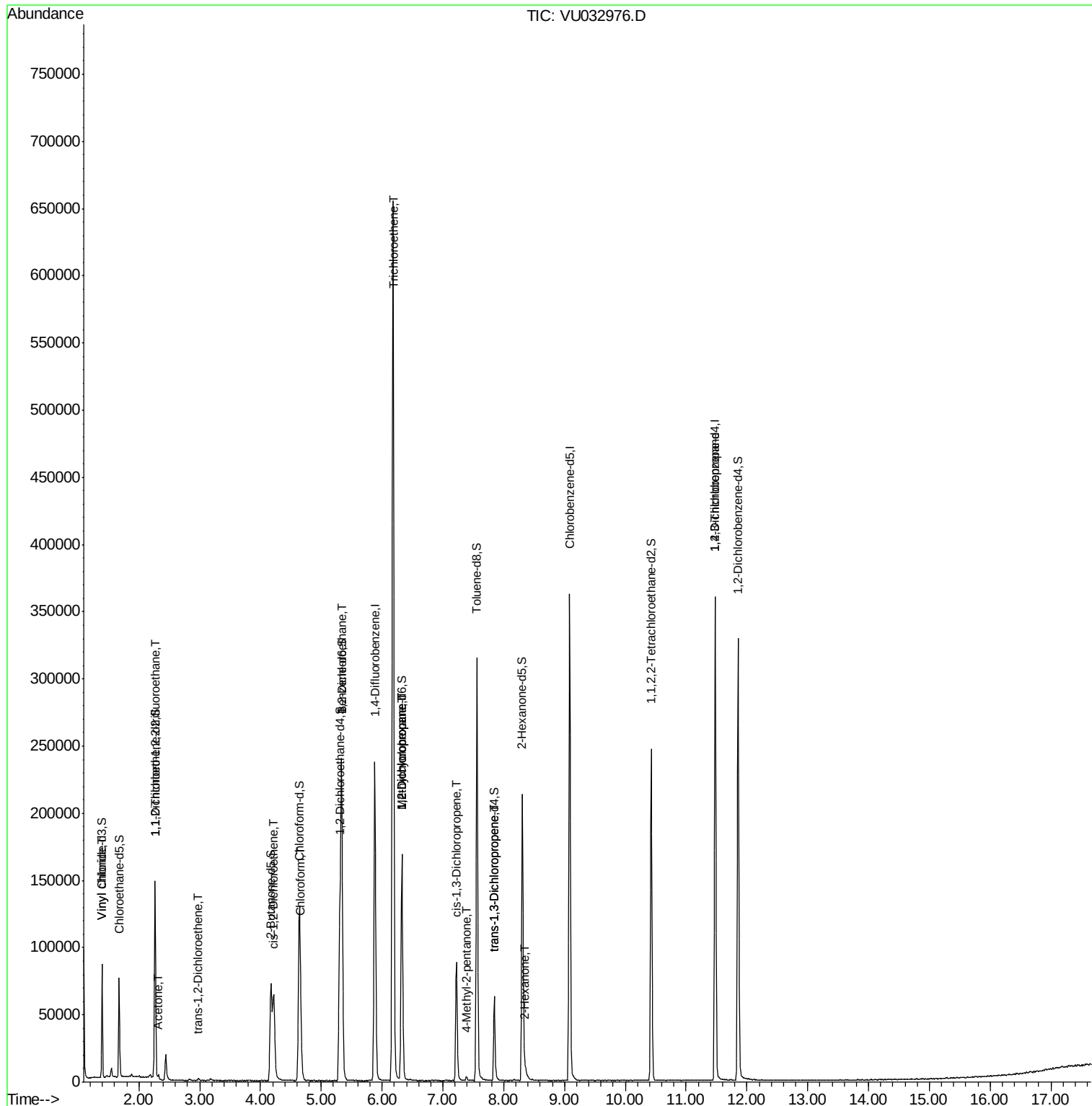
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

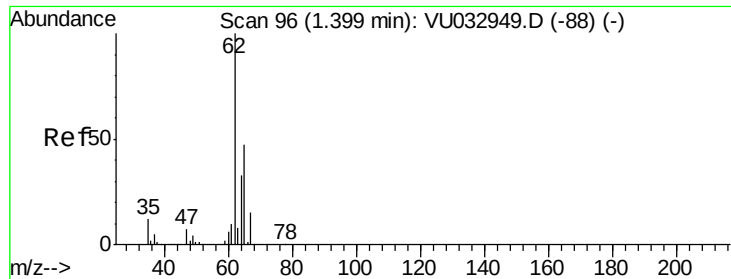
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#5

Vinyl chloride

Concen: 0.904 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

Instrument :

MSVOA_U

ClientSampleId :

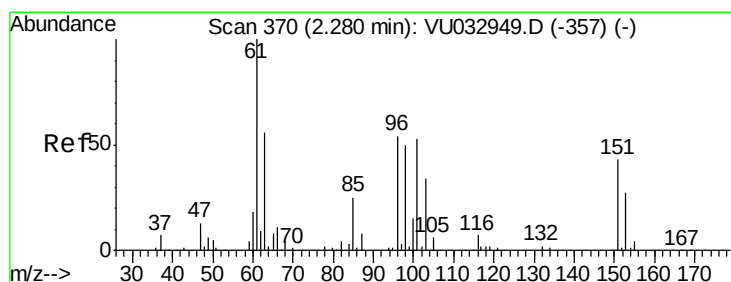
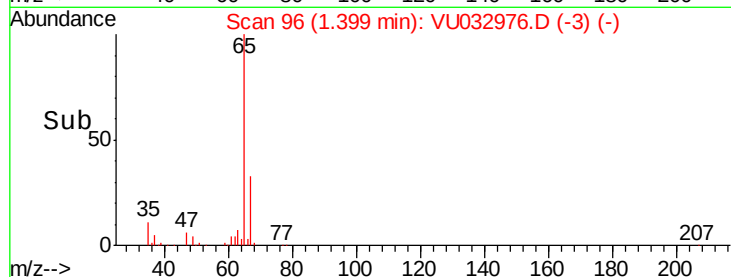
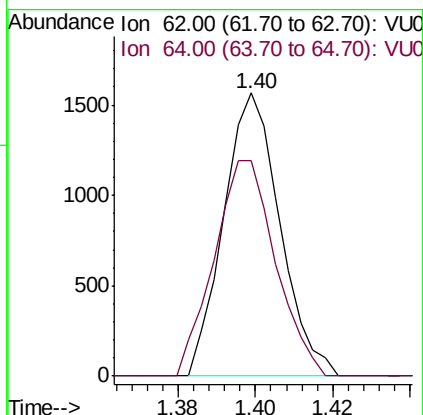
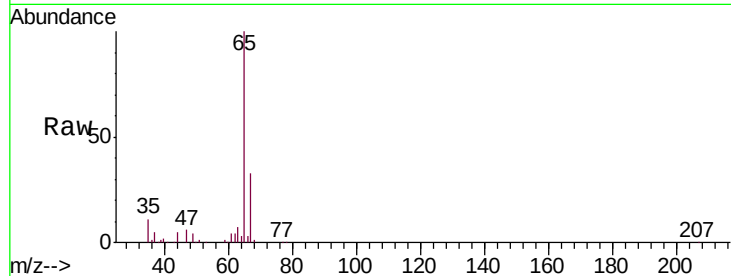
ETF50

Tgt Ion: 62 Resp: 1581

Ion Ratio Lower Upper

62 100

64 76.2 23.0 42.6#



#10

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

Concen: 0.563 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

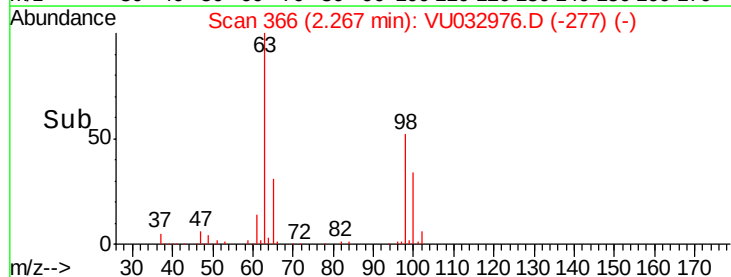
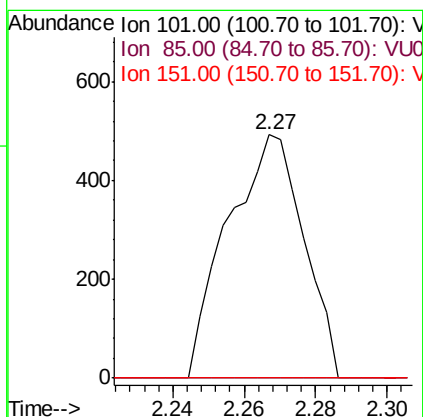
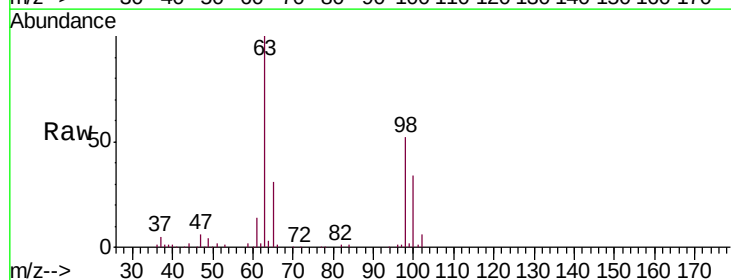
Tgt Ion: 101 Resp: 724

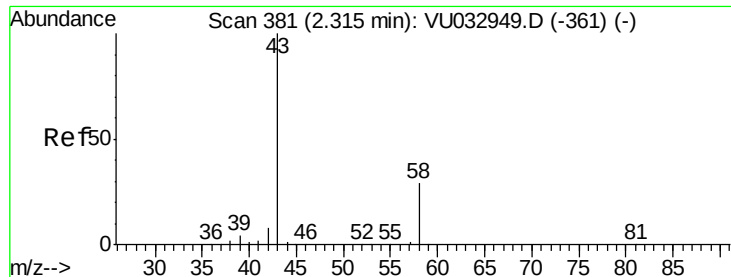
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#





#13

Acetone

Concen: 2.041 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

Instrument :

MSVOA_U

ClientSampleId :

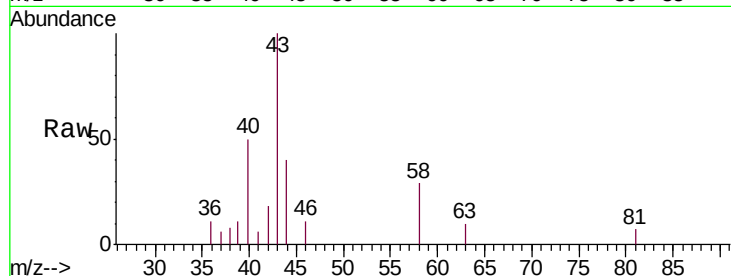
ETF50

Tgt Ion: 43 Resp: 3088

Ion Ratio Lower Upper

43 100

58 25.0 0.0 60.6

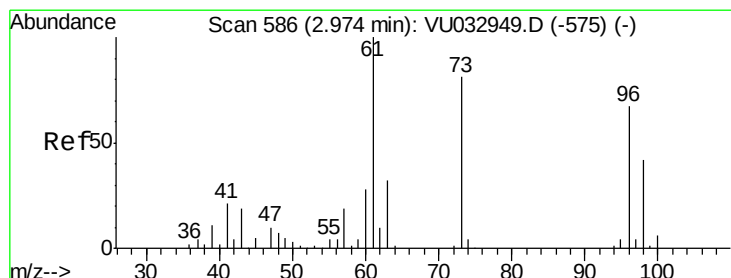
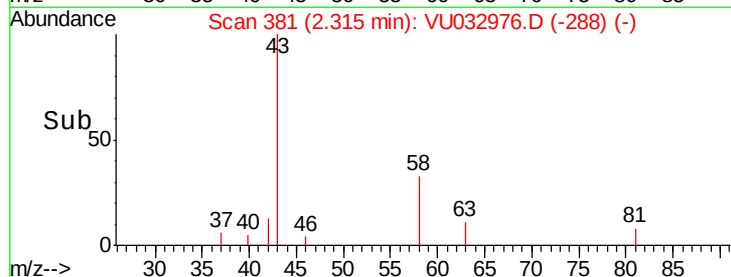


Abundance Ion 43.00 (42.70 to 43.70): VU032949.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032949.D (-361) (-)

2.32

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.491 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

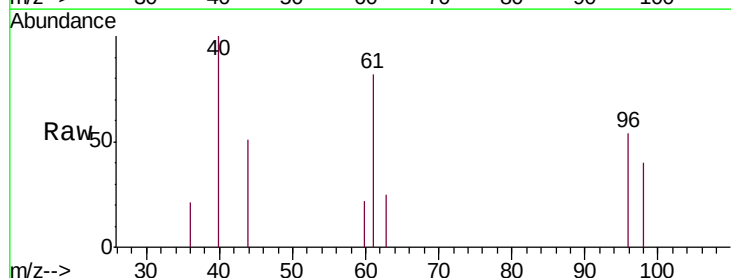
Tgt Ion: 96 Resp: 646

Ion Ratio Lower Upper

96 100

61 152.5 100.9 187.5

98 73.5 44.0 81.8



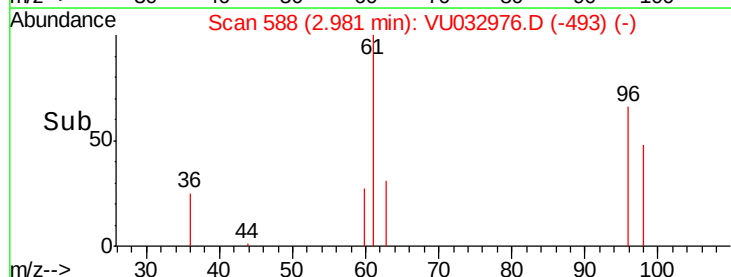
Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-575) (-)

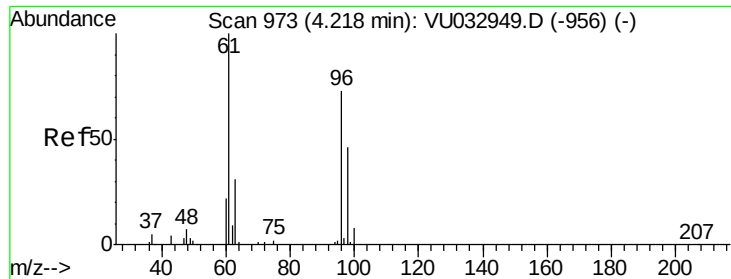
Ion 61.00 (60.70 to 61.70): VU032949.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-575) (-)

2.98

Time-->

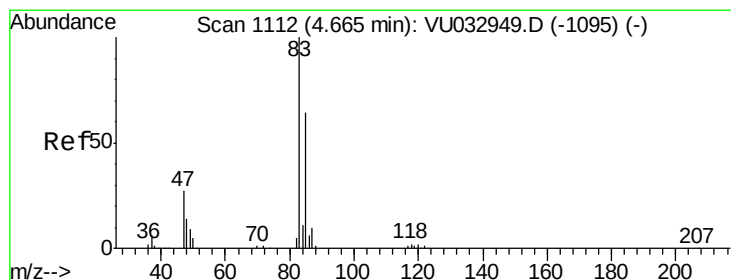
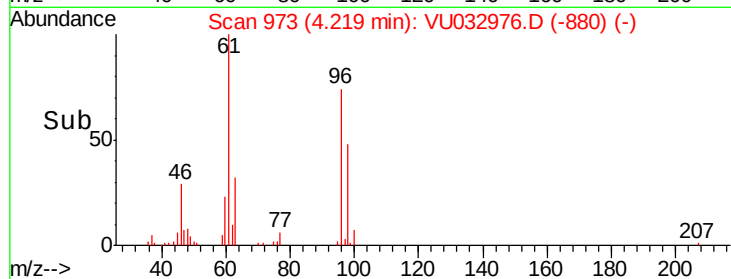
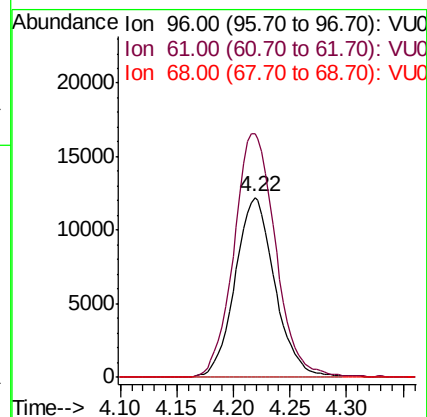
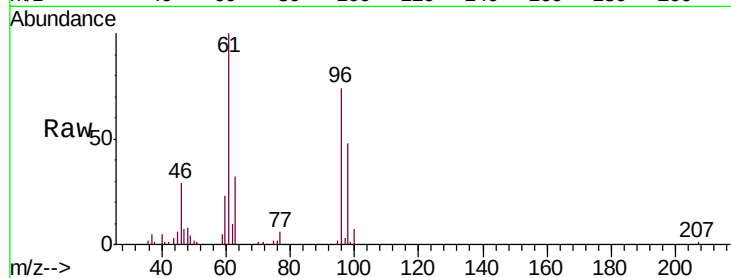




#20
 cis-1,2-Dichloroethene
 Concen: 20.890 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

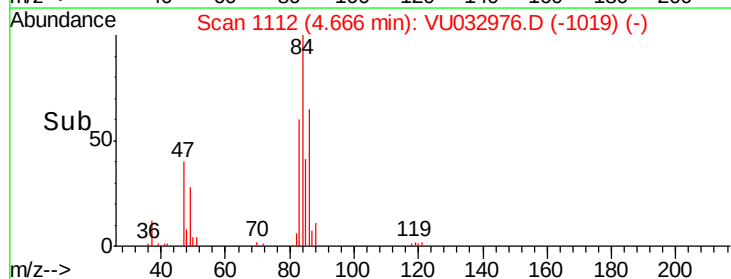
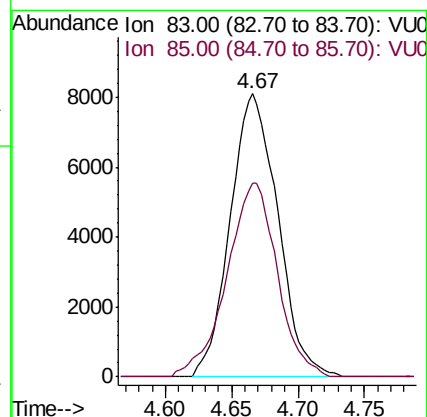
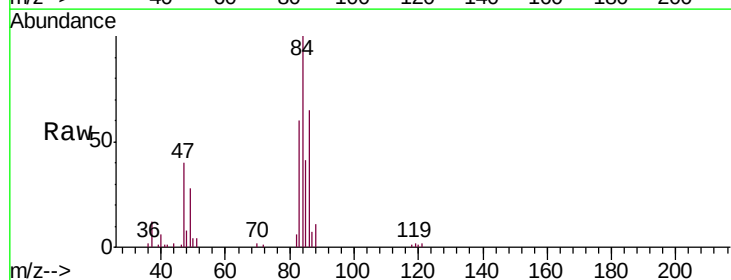
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF50

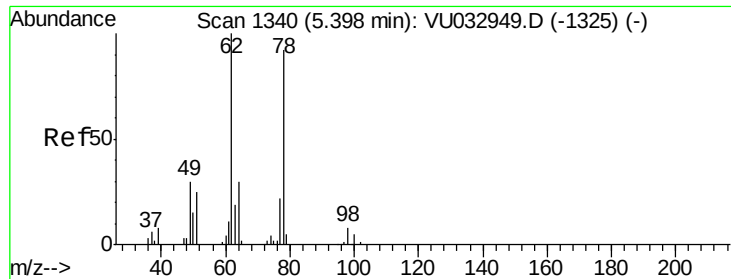
Tgt Ion: 96 Resp: 29932
 Ion Ratio Lower Upper
 96 100
 61 135.5 92.4 171.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 7.821 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

Tgt Ion: 83 Resp: 20224
 Ion Ratio Lower Upper
 83 100
 85 68.5 44.2 82.2





#27

1,2-Dichloroethane

Concen: 0.690 ug/L

RT: 5.33 min Scan# 1320

Delta R.T. -0.06 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

Instrument :

MSVOA_U

ClientSampleId :

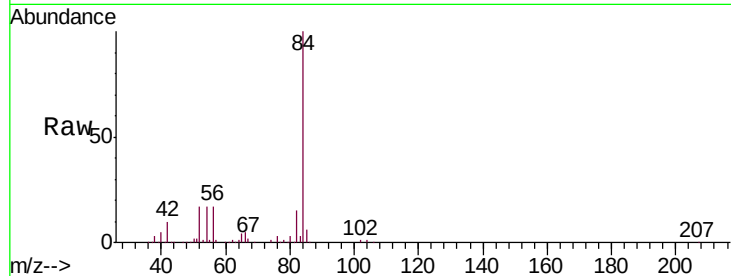
ETF50

Tgt Ion: 62 Resp: 1465

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032949.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-1325) (-)

5.33

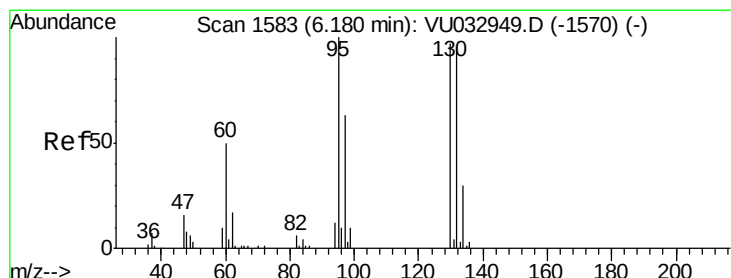
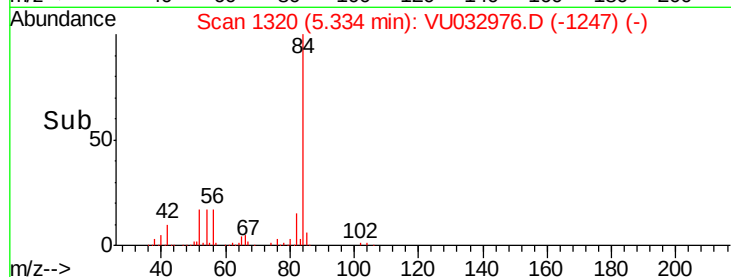
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 148.737 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

Tgt Ion: 95 Resp: 214172

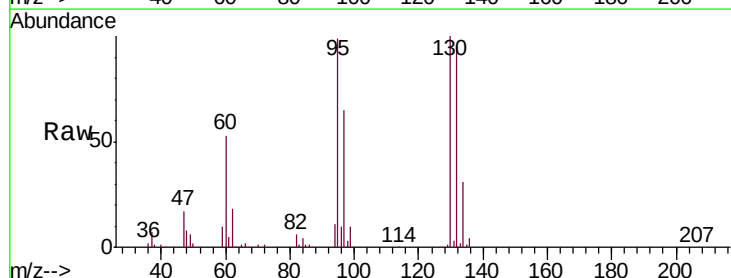
Ion Ratio Lower Upper

95 100

97 65.3 45.9 85.3

132 95.9 68.5 127.3

130 100.6 70.8 131.4



Abundance Ion 95.00 (94.70 to 95.70): VU032949.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032949.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032949.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032949.D (-1570) (-)

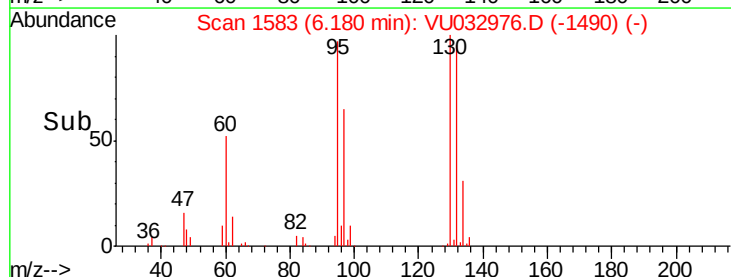
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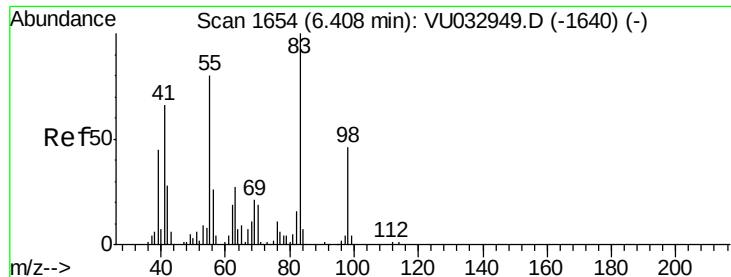
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50000

0

Time-->

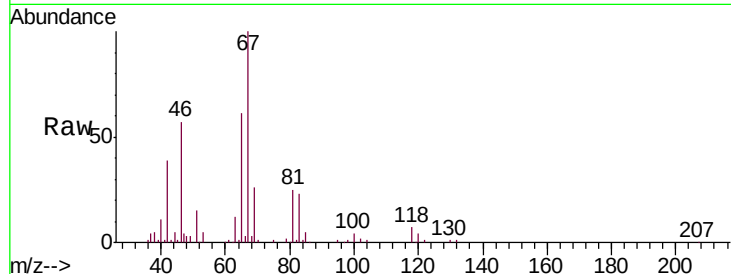




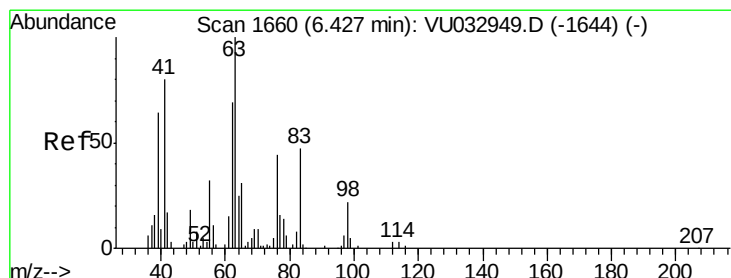
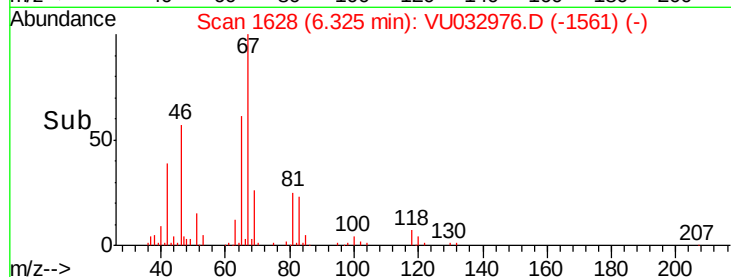
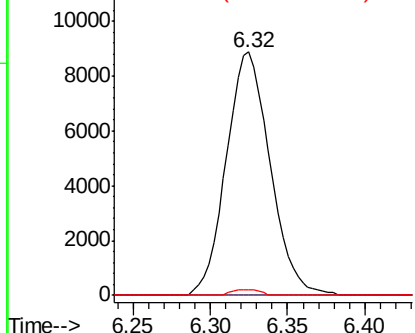
#35
Methylcyclohexane
Concen: 7.865 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032976.D
Acq: 22 Jun 2019 03:31

Instrument :
MSVOA_U
ClientSampleId :
ETF50

Tgt Ion: 83 Resp: 17505
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.5 37.4 56.0#

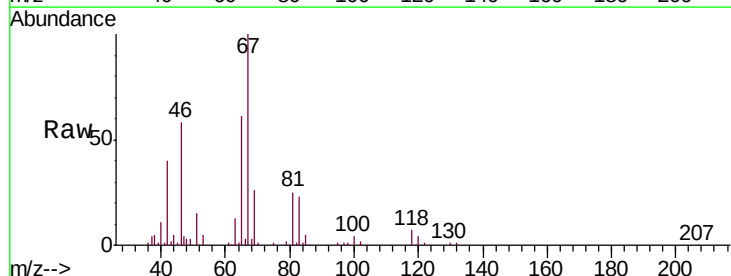


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

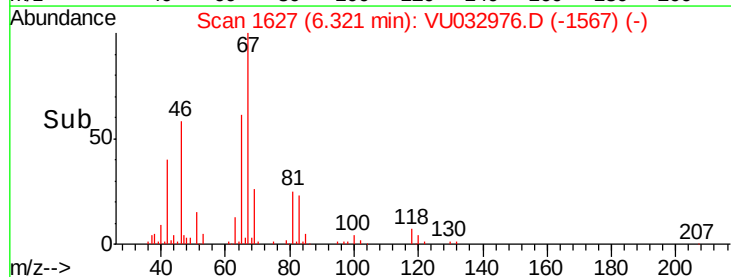
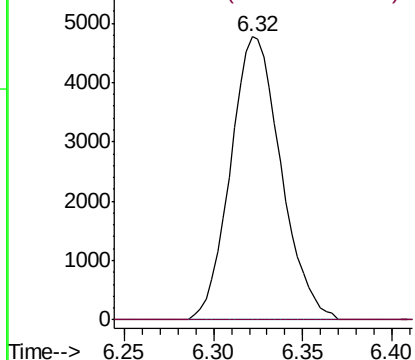


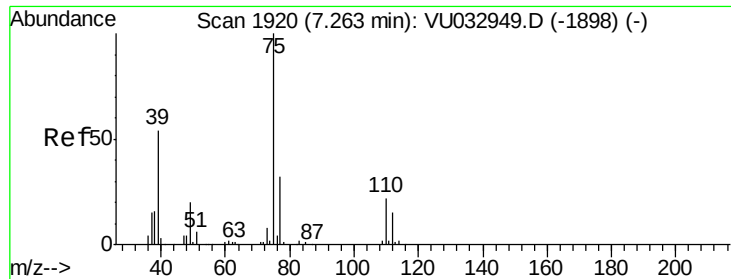
#37
1,2-Dichloropropane
Concen: 6.363 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VU032976.D
Acq: 22 Jun 2019 03:31

Tgt Ion: 63 Resp: 9406
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

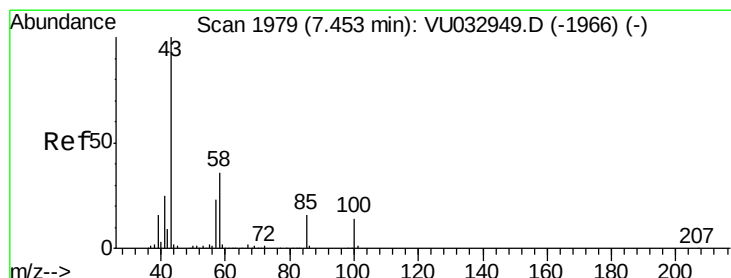
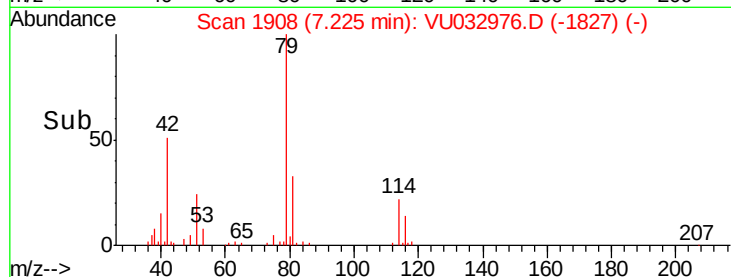
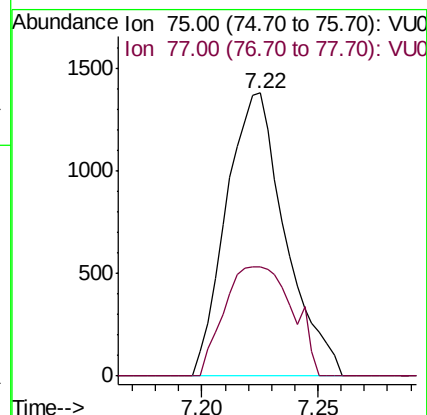
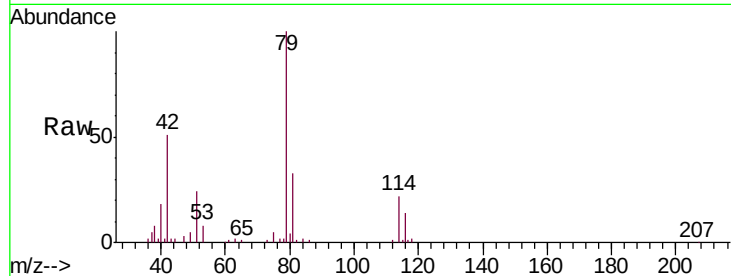




#39
 cis-1,3-Dichloropropene
 Concen: 1.062 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

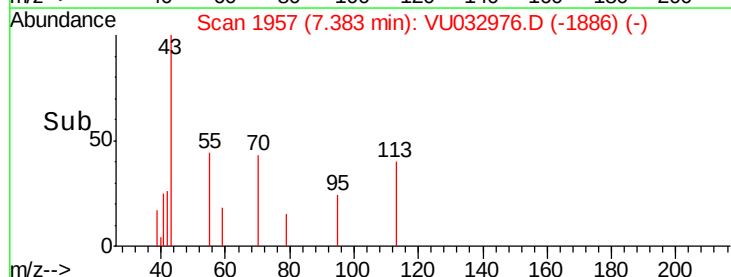
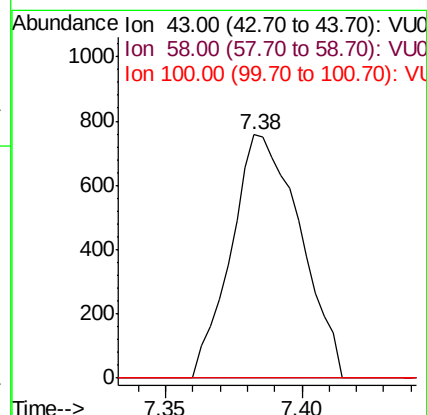
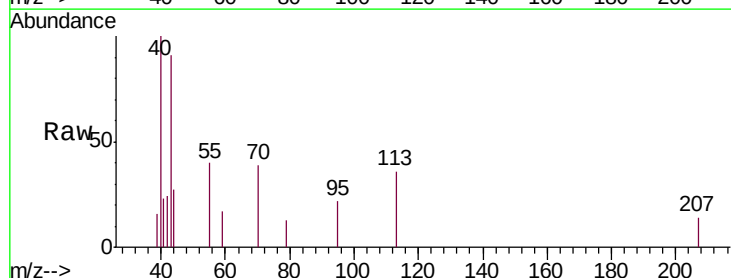
Instrument :
 MSVOA_U
 ClientSampled :
 ETF50

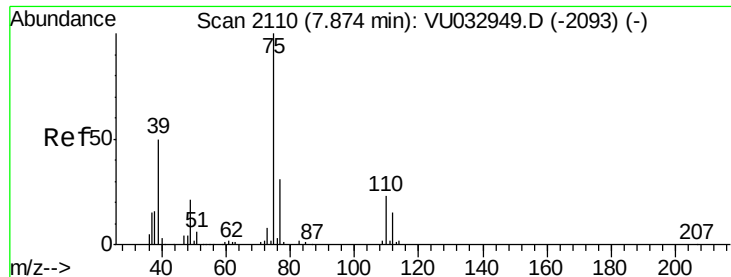
Tgt Ion: 75 Resp: 2445
 Ion Ratio Lower Upper
 75 100
 77 38.7 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 0.563 ug/L
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.07 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

Tgt Ion: 43 Resp: 1328
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#
 100 0.0 11.2 16.8#

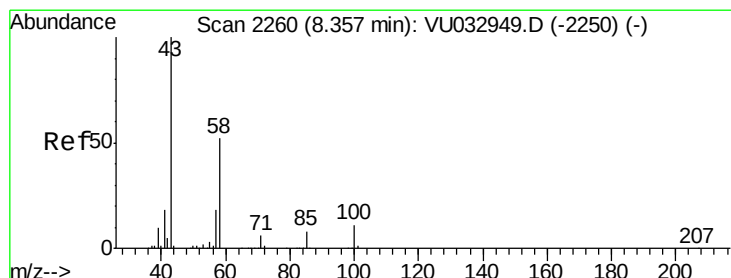
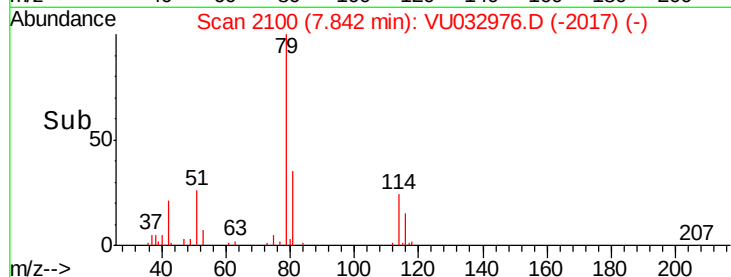
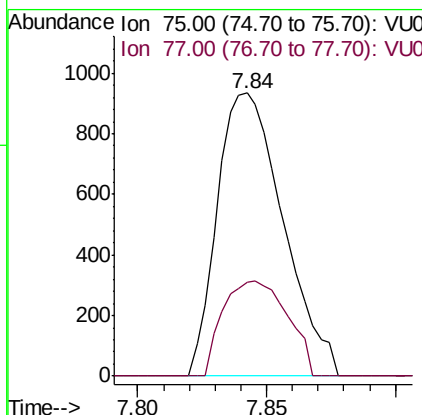
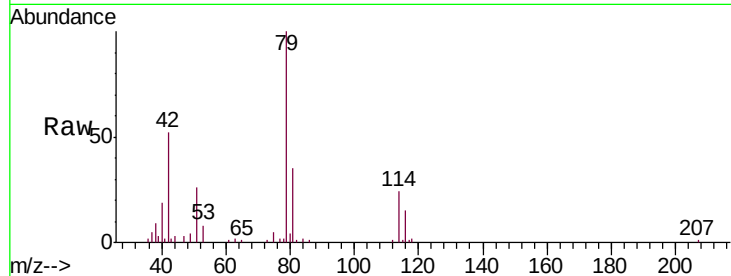




#44
 trans-1,3-Dichloropropene
 Concen: 0.769 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

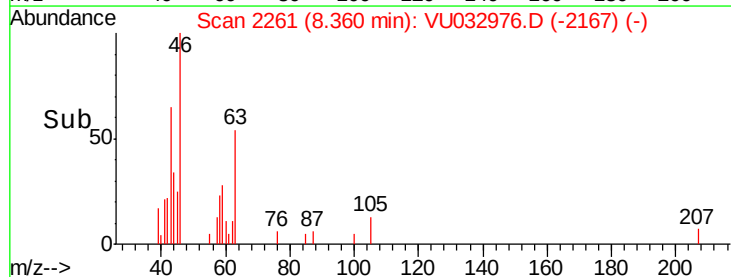
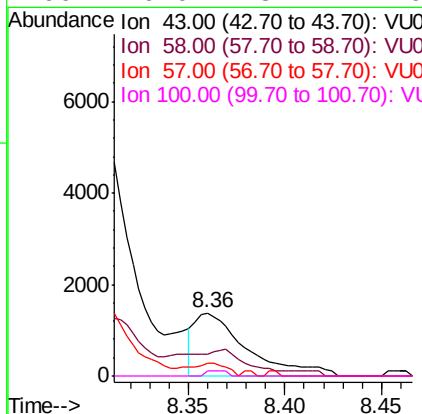
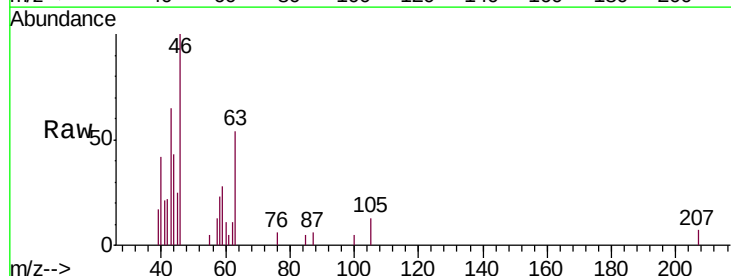
Instrument :
 MSVOA_U
 ClientSampled :
 ETF50

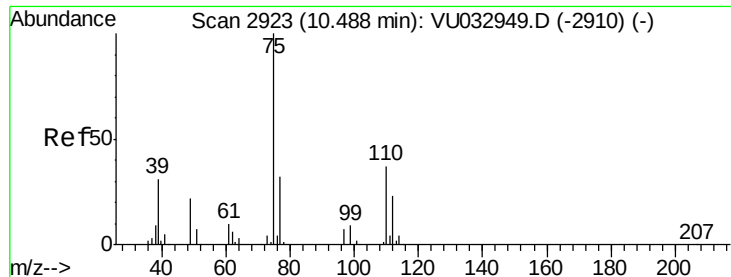
Tgt Ion: 75 Resp: 1664
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.8 40.4



#48
 2-Hexanone
 Concen: 1.235 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU032976.D
 Acq: 22 Jun 2019 03:31

Tgt Ion: 43 Resp: 2571
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.2 60.2#
 57 14.2 14.2 21.4#
 100 0.0 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.849 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032976.D

Acq: 22 Jun 2019 03:31

Instrument :

MSVOA_U

ClientSampleId :

ETF50

Tgt Ion: 75 Resp: 11540

Ion Ratio Lower Upper

75 100

77 40.4 25.5 38.3#

