

Data File : VU033028.D
Acq On : 25 Jun 2019 00:03
Operator : JC/SP
Sample : K3478-09DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF23DL

Quant Time: Jun 25 07:00:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191733	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	185643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89456	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61637	47.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.08%
7) Chloroethane-d5	1.67	69	52963	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.36%
11) 1,1-Dichloroethene-d2	2.26	63	97513	36.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.88%
21) 2-Butanone-d5	4.17	46	121591	111.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.49%
24) Chloroform-d	4.64	84	130139	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
26) 1,2-Dichloroethane-d4	5.30	65	91699	54.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.08%
32) Benzene-d6	5.33	84	255567	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.62%
36) 1,2-Dichloropropane-d6	6.32	67	82067	53.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.46%
41) Toluene-d8	7.56	98	225675	49.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.85	79	38625	48.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.34%
47) 2-Hexanone-d5	8.31	63	70792	98.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118520	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	89679	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

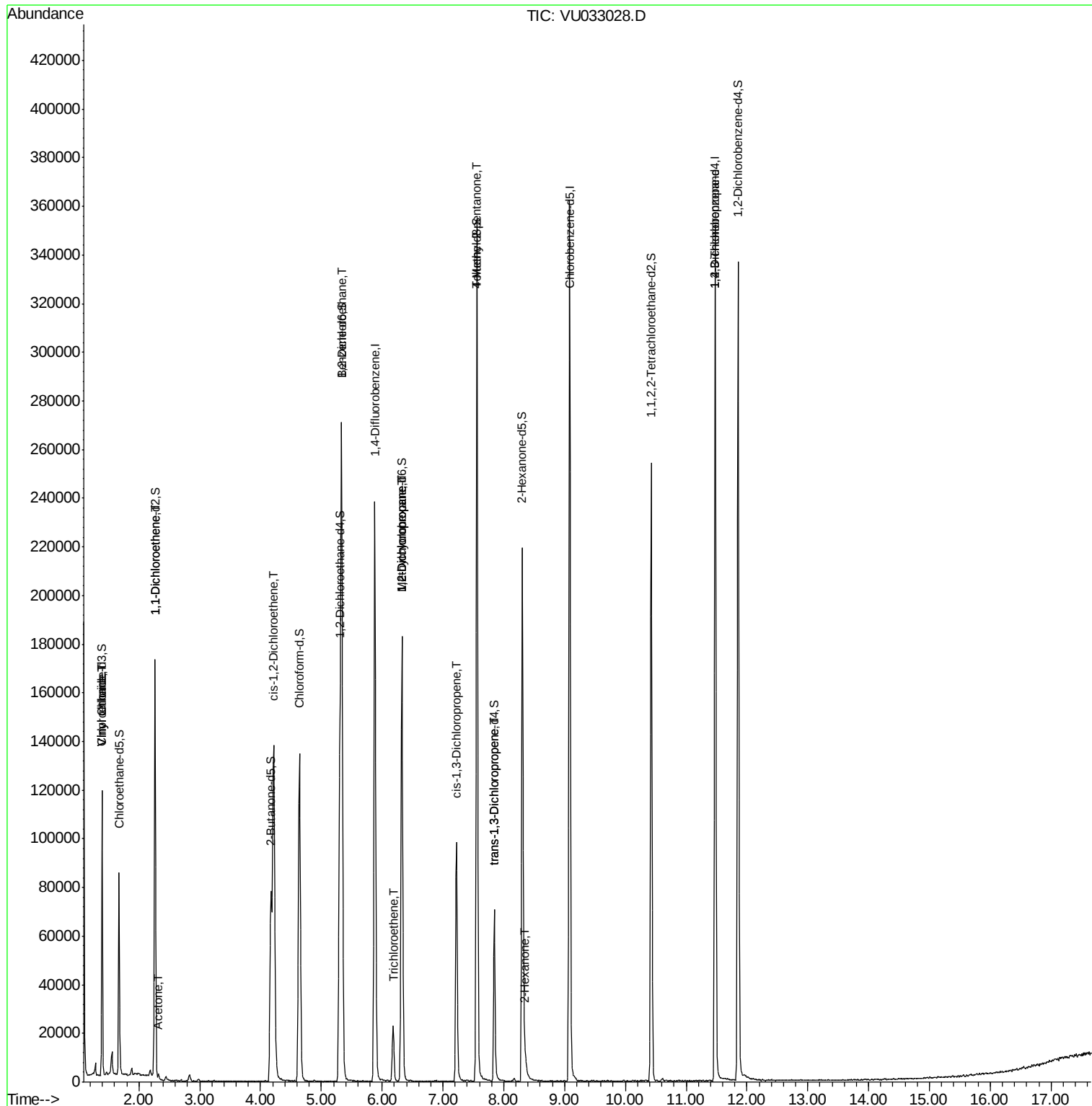
					Qvalue
5) Vinyl chloride	1.40	62	9249	5.312 ug/L	83
8) Chloroethane	1.40	64	4189	4.180 ug/L	87
12) 1,1-Dichloroethene	2.27	96	934	0.774 ug/L #	1
13) Acetone	2.31	43	741	0.492 ug/L	81
20) cis-1,2-Dichloroethene	4.22	96	70184	49.205 ug/L	99
27) 1,2-Dichloroethane	5.33	62	1651	0.781 ug/L #	77
34) Trichloroethene	6.18	95	7148	5.003 ug/L	99
35) Methylcyclohexane	6.32	83	19154	8.672 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9978	6.802 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2747	1.202 ug/L #	80
40) 4-Methyl-2-pentanone	7.55	43	1118	0.477 ug/L #	1
44) trans-1,3-Dichloropropene	7.85	75	1956	0.911 ug/L	93
48) 2-Hexanone	8.36	43	2804	1.357 ug/L #	83
59) 1,2,3-Trichloropropane	11.48	75	11060	5.649 ug/L #	84

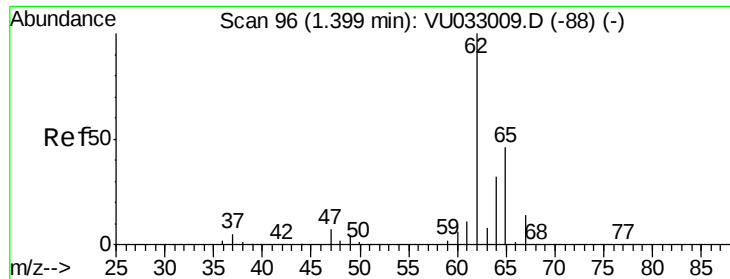
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.312 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

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ClientSampleId :

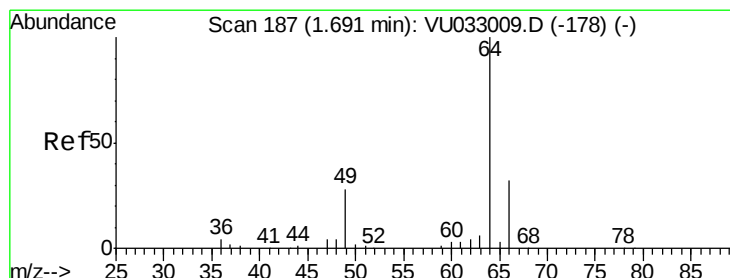
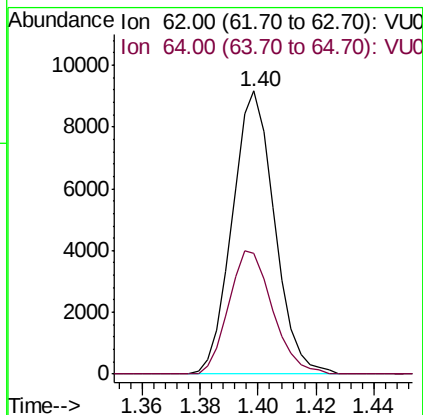
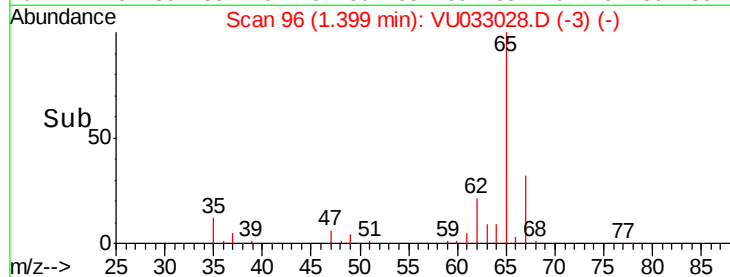
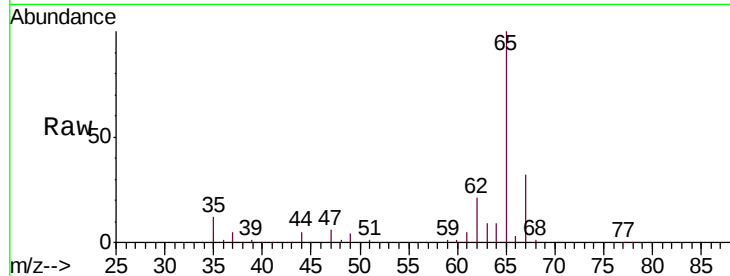
ETF23DL

Tgt Ion: 62 Resp: 9249

Ion Ratio Lower Upper

62 100

64 42.6 23.0 42.6



#8

Chloroethane

Concen: 4.180 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033028.D

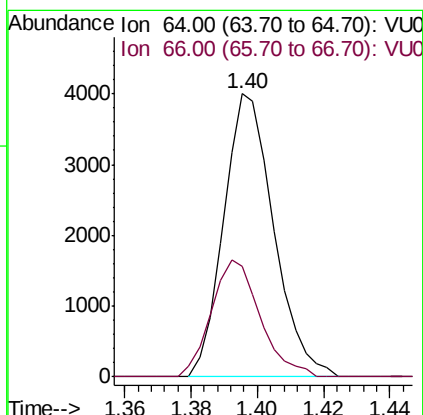
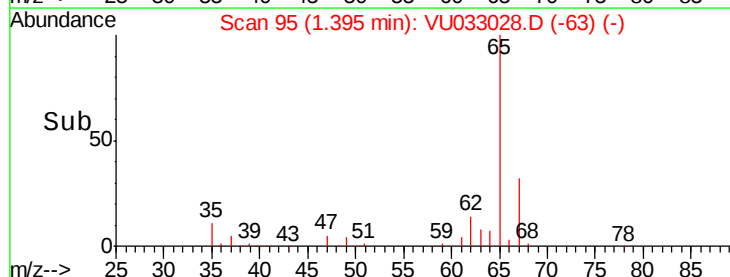
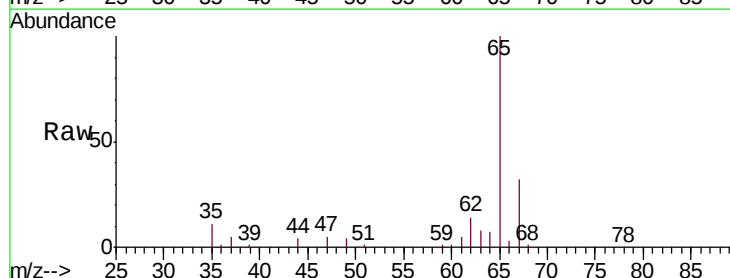
Acq: 25 Jun 2019 00:03

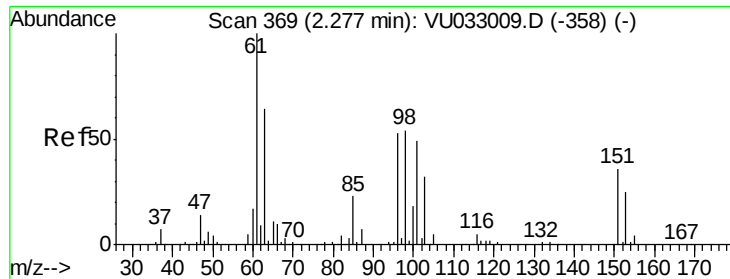
Tgt Ion: 64 Resp: 4189

Ion Ratio Lower Upper

64 100

66 39.1 22.5 41.7





#12

1,1-Dichloroethene

Concen: 0.774 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033028.D

Acq: 25 Jun 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

ETF23DL

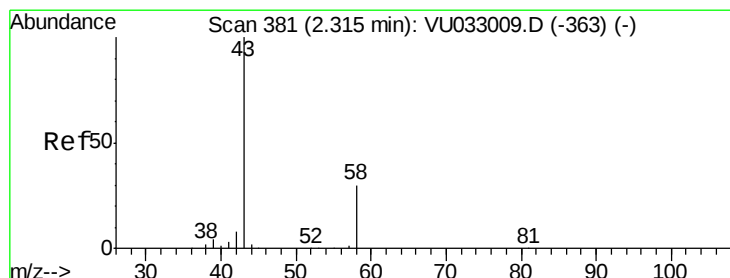
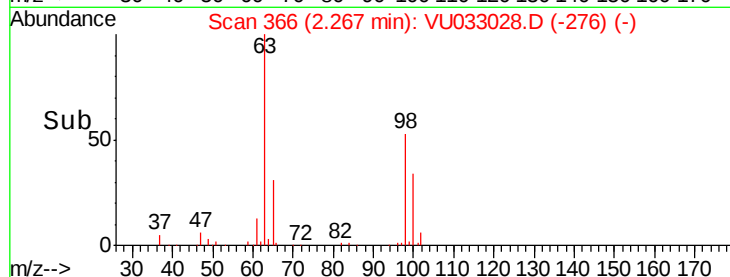
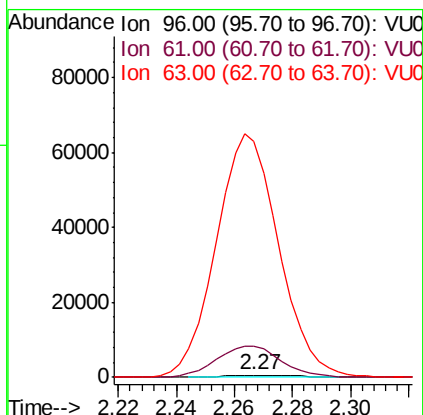
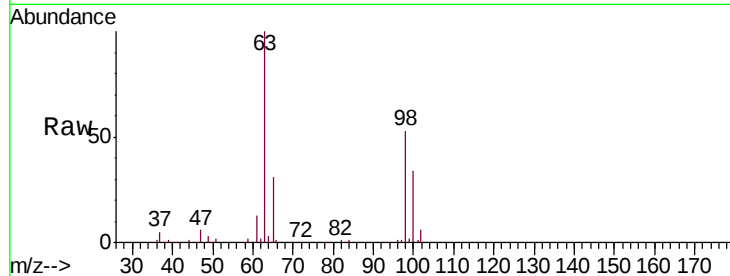
Tgt Ion: 96 Resp: 934

Ion Ratio Lower Upper

96 100

61 1592.7 131.0 243.4#

63 12070.6 101.0 187.6#



#13

Acetone

Concen: 0.492 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU033028.D

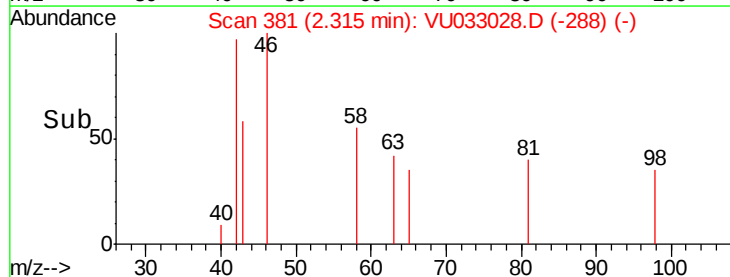
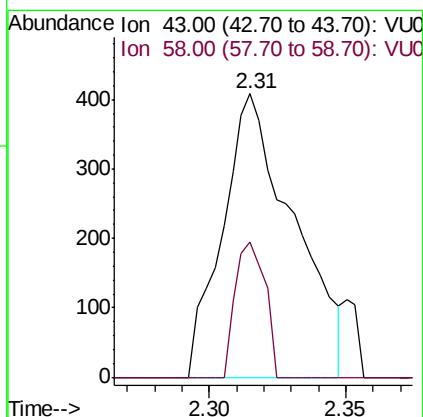
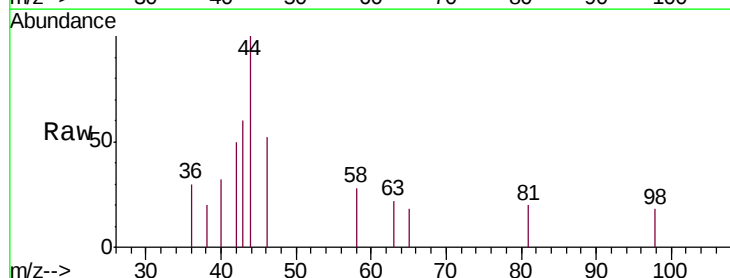
Acq: 25 Jun 2019 00:03

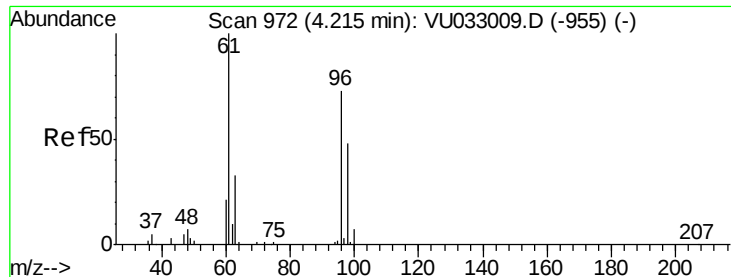
Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

43 100

58 20.1 0.0 60.6

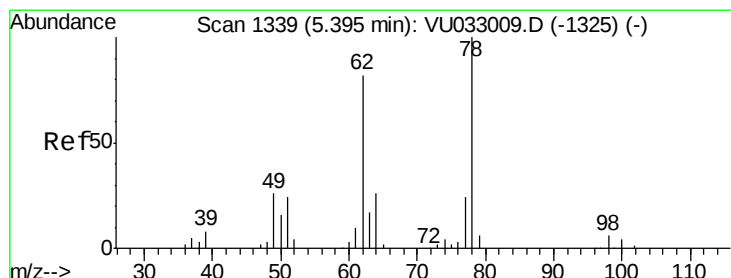
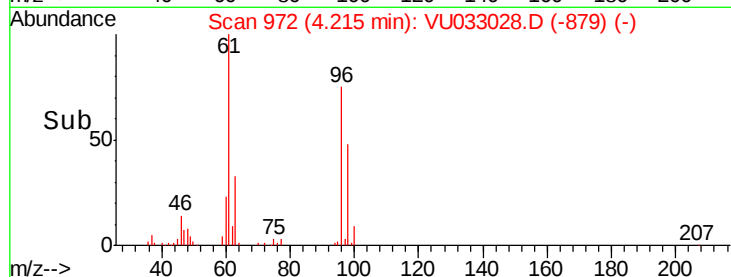
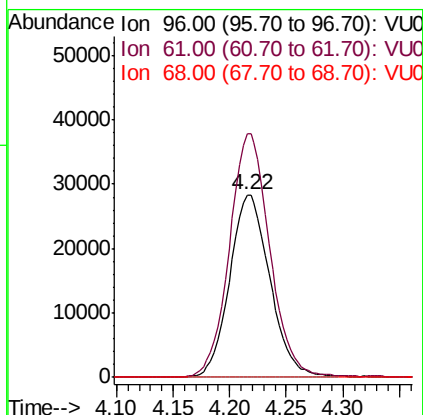
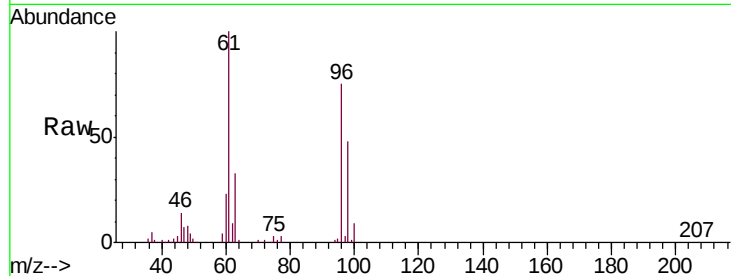




#20
 cis-1,2-Dichloroethene
 Concen: 49.205 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

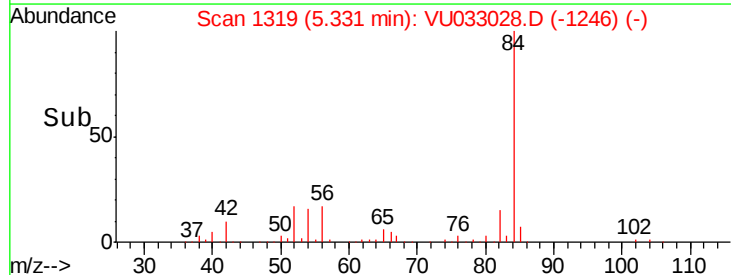
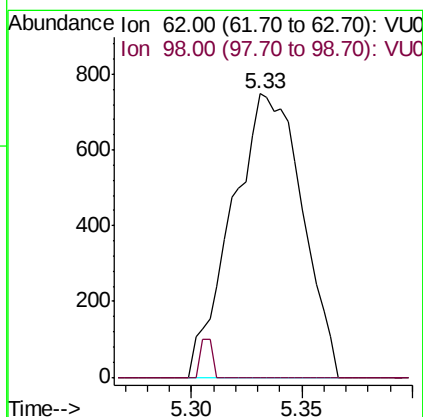
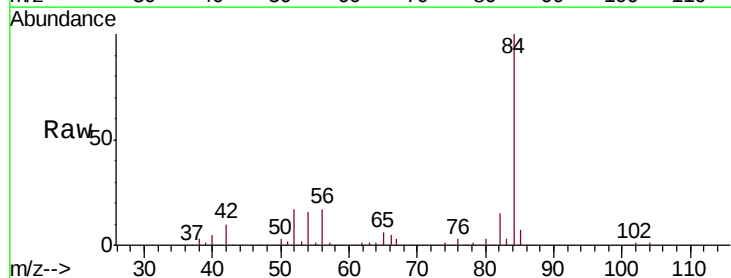
Instrument :
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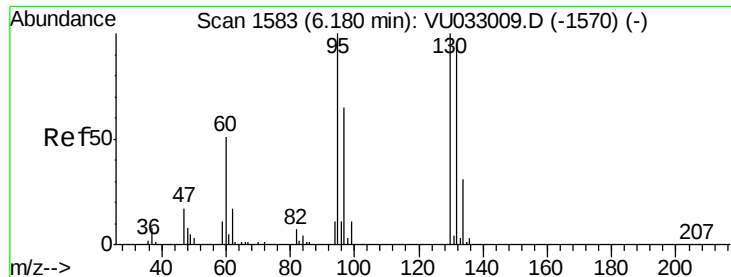
Tgt Ion: 96 Resp: 70184
 Ion Ratio Lower Upper
 96 100
 61 133.5 92.4 171.6
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.781 ug/L
 RT: 5.33 min Scan# 1319
 Delta R.T. -0.06 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

Tgt Ion: 62 Resp: 1651
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#





#34

Trichloroethene

Concen: 5.003 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU033028.D

Acq: 25 Jun 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

ETF23DL

Tgt Ion: 95 Resp: 7148

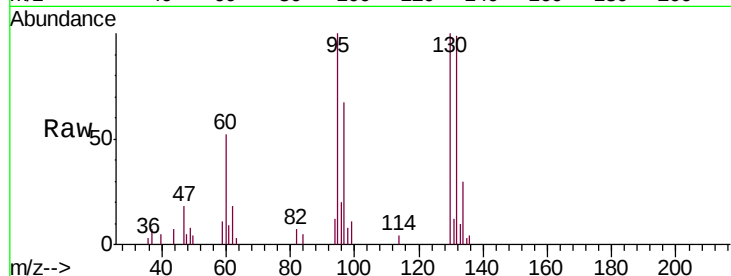
Ion Ratio Lower Upper

95 100

97 66.9 45.9 85.3

132 99.6 68.5 127.3

130 100.3 70.8 131.4

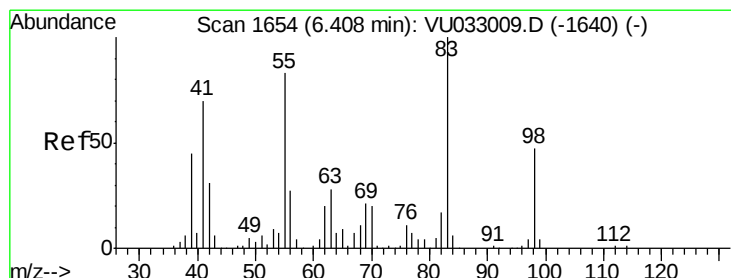
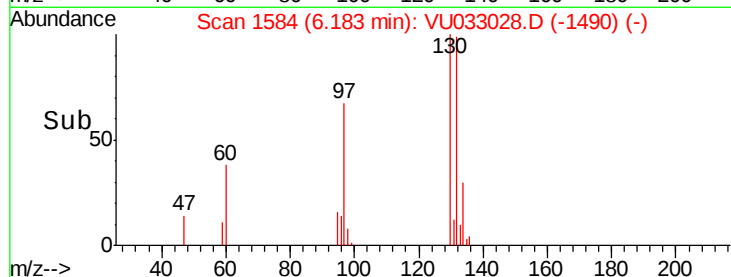
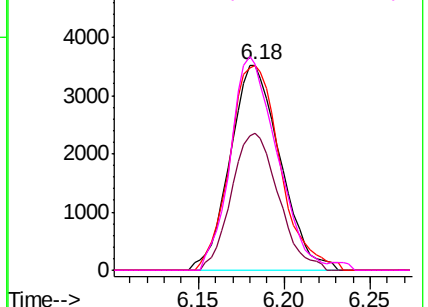


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.672 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033028.D

Acq: 25 Jun 2019 00:03

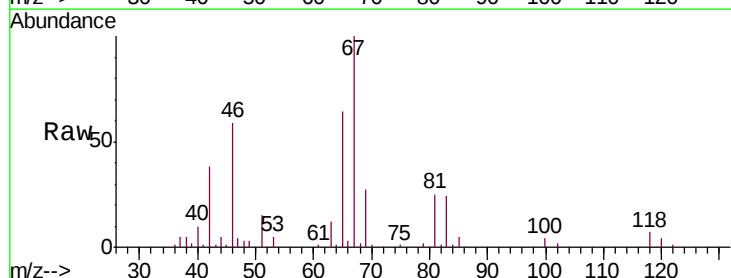
Tgt Ion: 83 Resp: 19154

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

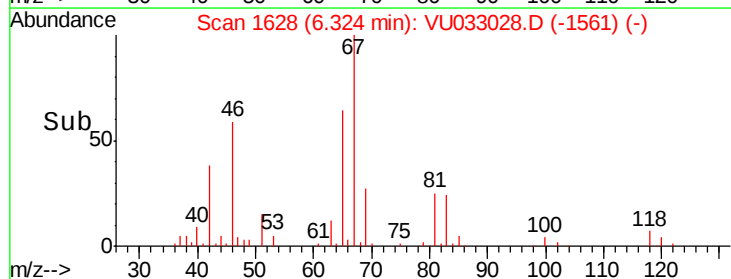
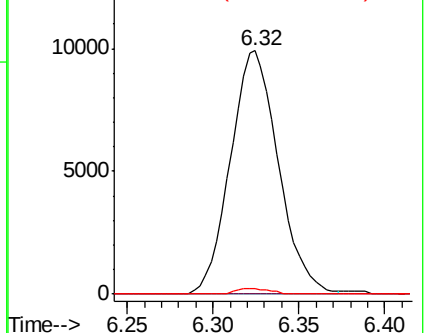
98 1.6 37.4 56.0#

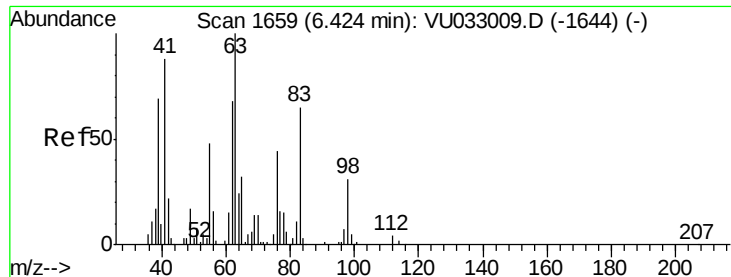


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.802 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU033028.D

Acq: 25 Jun 2019 00:03

Instrument :

MSVOA_U

ClientSampleId :

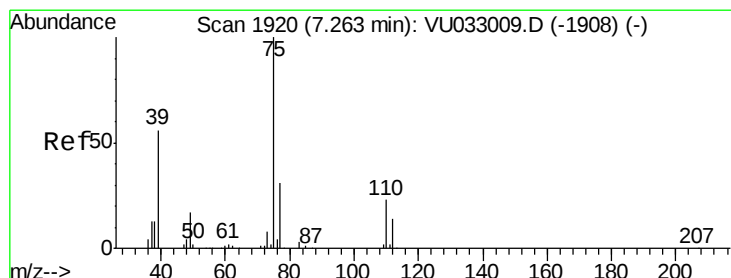
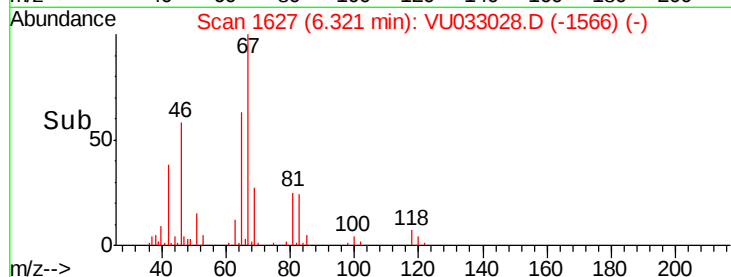
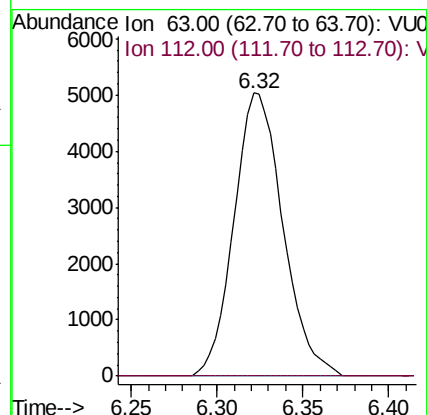
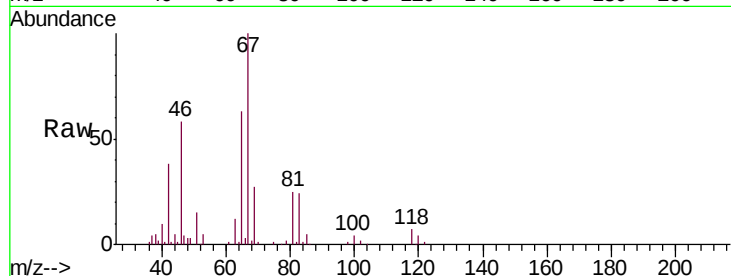
ETF23DL

Tgt Ion: 63 Resp: 9978

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 1.202 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033028.D

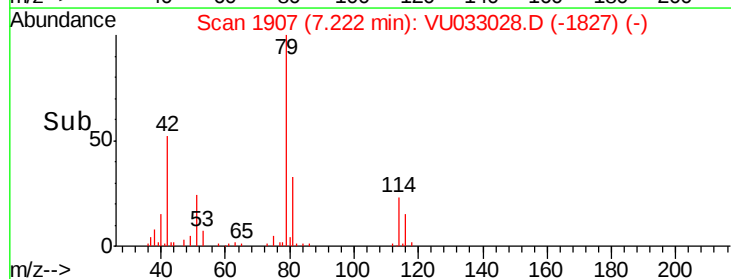
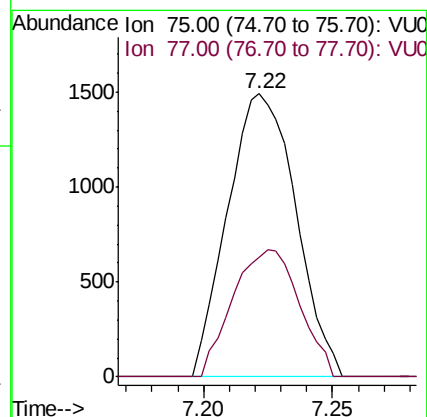
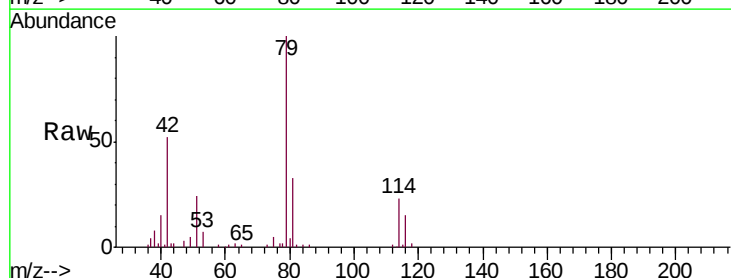
Acq: 25 Jun 2019 00:03

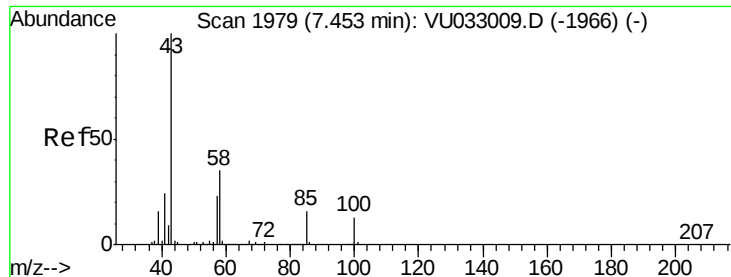
Tgt Ion: 75 Resp: 2747

Ion Ratio Lower Upper

75 100

77 42.2 21.9 40.7#

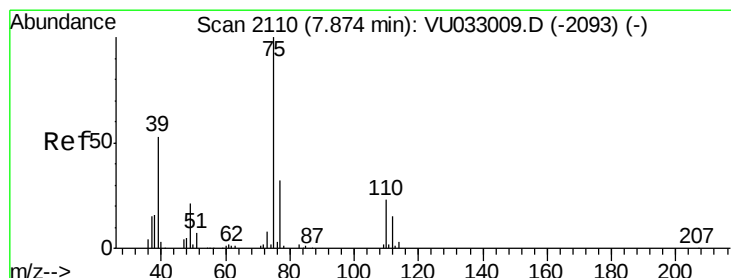
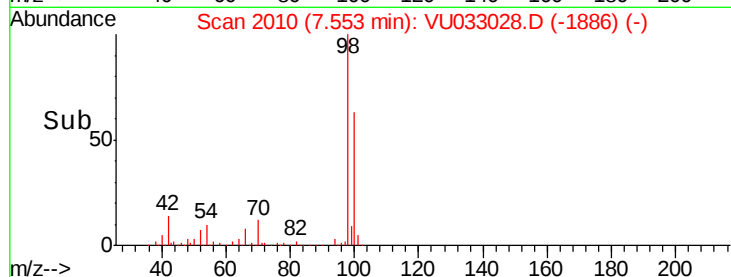
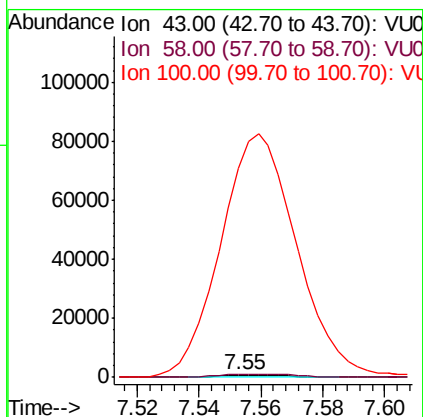
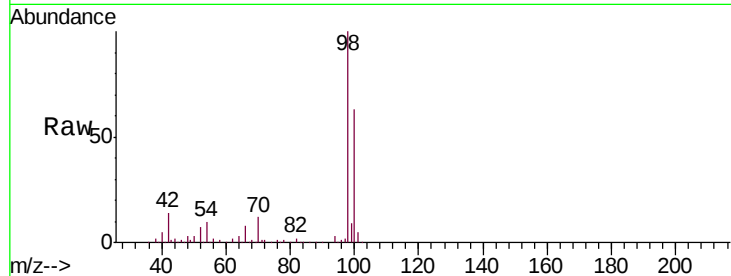




#40
 4-Methyl-2-pentanone
 Concen: 0.477 ug/L
 RT: 7.55 min Scan# 2010
 Delta R.T. 0.10 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

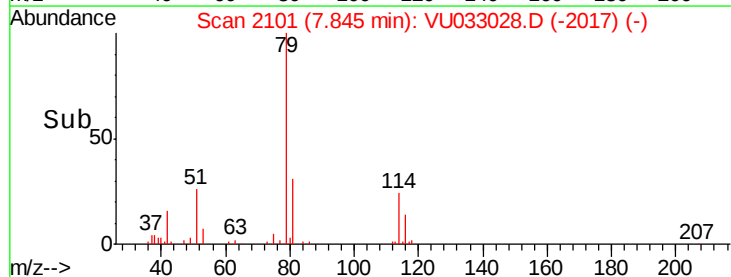
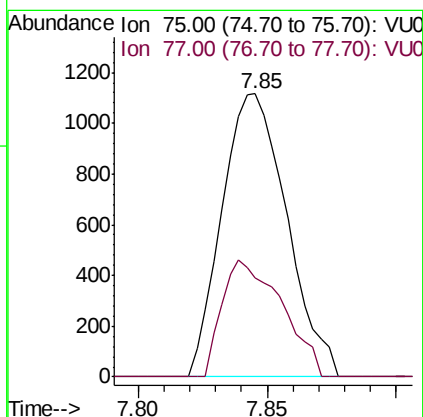
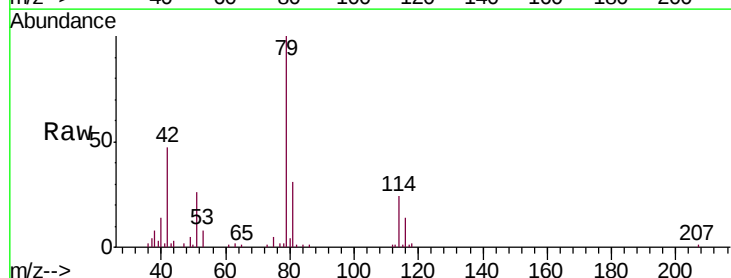
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 ETF23DL

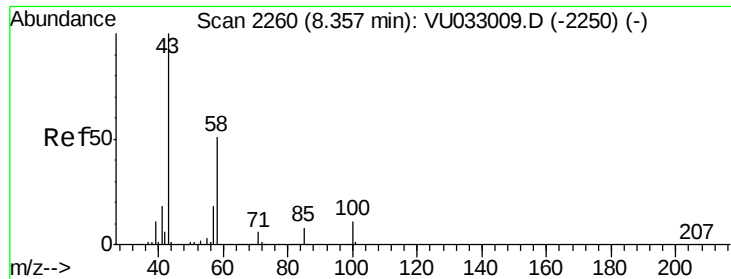
Tgt Ion: 43 Resp: 1118
 Ion Ratio Lower Upper
 43 100
 58 185.5 29.4 44.2#
 100 12771.5 11.2 16.8#



#44
 trans-1,3-Dichloropropene
 Concen: 0.911 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

Tgt Ion: 75 Resp: 1956
 Ion Ratio Lower Upper
 75 100
 77 34.9 21.8 40.4

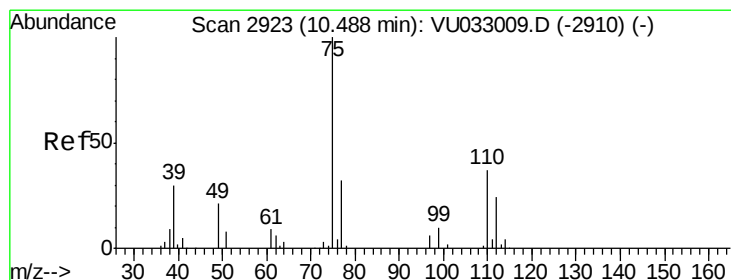
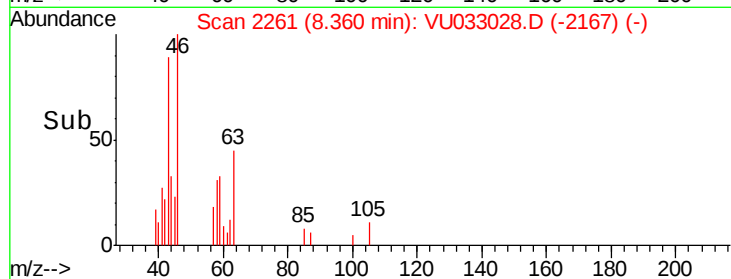
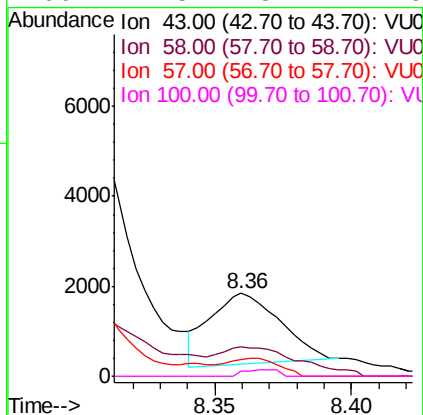
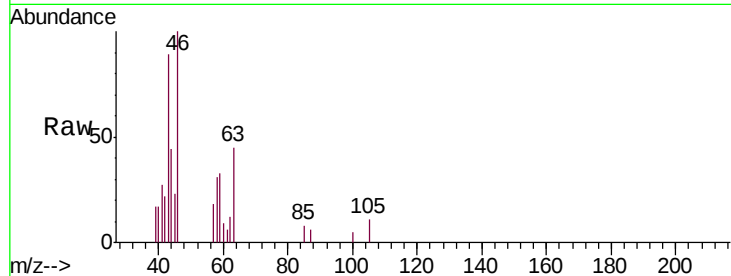




#48
 2-Hexanone
 Concen: 1.357 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

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 ClientSampleId :
 ETF23DL

Tgt Ion:	43	Resp:	2804
Ion	Ratio	Lower	Upper
43	100		
58	35.0	40.2	60.2#
57	18.4	14.2	21.4
100	4.5	8.4	12.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.649 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU033028.D
 Acq: 25 Jun 2019 00:03

Tgt Ion:	75	Resp:	11060
Ion	Ratio	Lower	Upper
75	100		
77	40.7	25.5	38.3#

