

Data File : VU033031.D
Acq On : 25 Jun 2019 01:12
Operator : JC/SP
Sample : K3463-11 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF14DL

Quant Time: Jun 25 07:01:05 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	197348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92118	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62906	46.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.28%
7) Chloroethane-d5	1.67	69	52792	49.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.16%
11) 1,1-Dichloroethene-d2	2.26	63	99037	36.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.90%
21) 2-Butanone-d5	4.17	46	125227	111.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.55%
24) Chloroform-d	4.64	84	130770	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	5.30	65	94462	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
32) Benzene-d6	5.33	84	256646	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
36) 1,2-Dichloropropane-d6	6.32	67	83737	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.56	98	231863	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%
43) trans-1,3-Dichloropropene-	7.85	79	39035	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.00%
47) 2-Hexanone-d5	8.31	63	72867	96.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119021	47.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.42%
64) 1,2-Dichlorobenzene-d4	11.85	152	90092	50.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.08%

Target Compounds

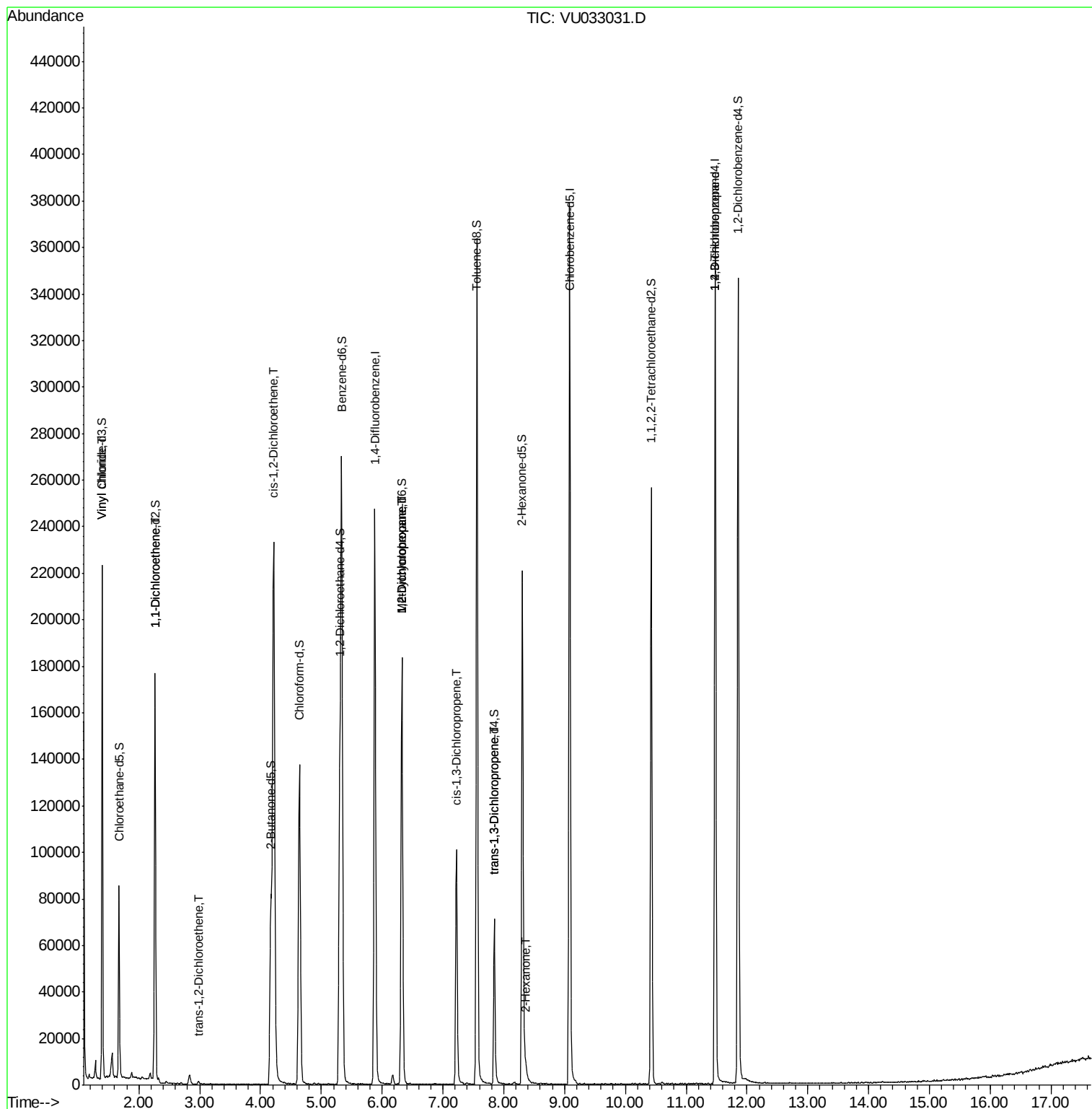
					Qvalue
5) Vinyl chloride	1.40	62	78287	43.685 ug/L	100
12) 1,1-Dichloroethene	2.27	96	843	0.678 ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	520	0.386 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	119023	81.070 ug/L	93
35) Methylcyclohexane	6.32	83	19299	8.347 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10106	6.581 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2695	1.126 ug/L #	59
44) trans-1,3-Dichloropropene	7.84	75	1858	0.827 ug/L	90
48) 2-Hexanone	8.36	43	4217	1.949 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11800	5.758 ug/L	90

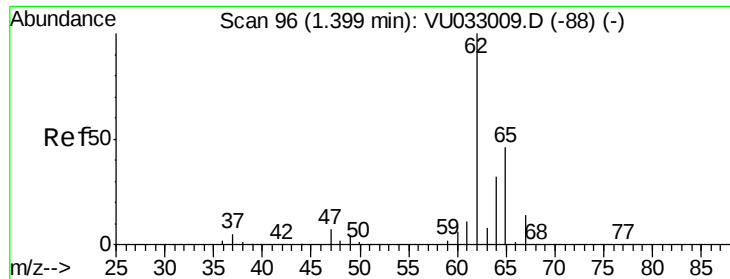
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 43.685 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

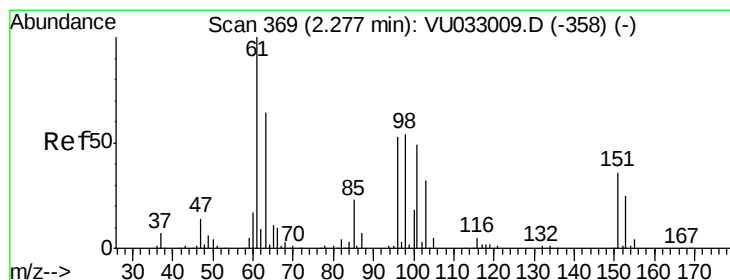
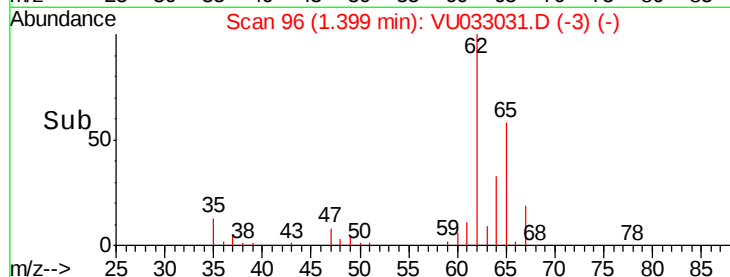
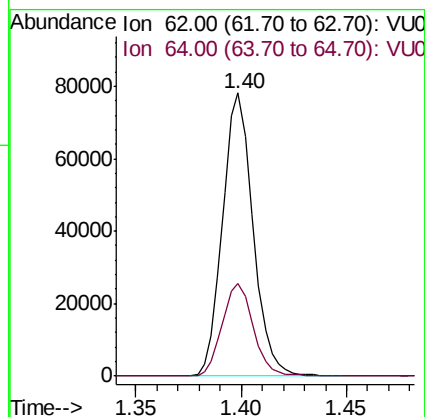
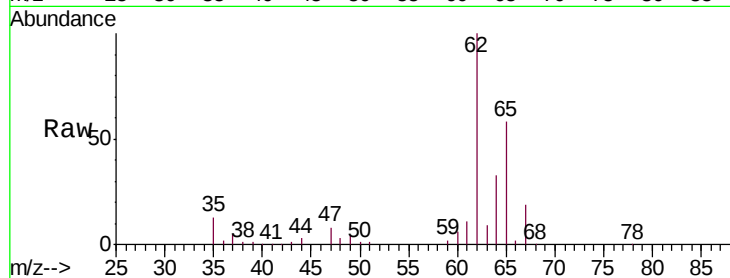
ETF14DL

Tgt Ion: 62 Resp: 78287

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#12

1,1-Dichloroethene

Concen: 0.678 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033031.D

Acq: 25 Jun 2019 01:12

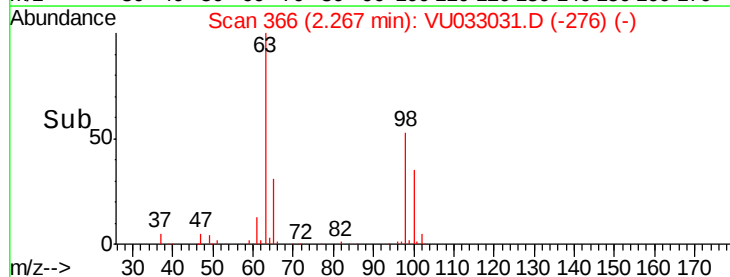
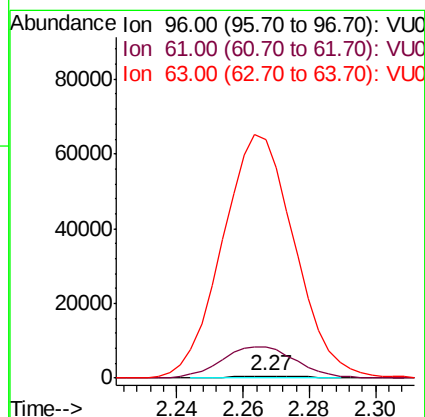
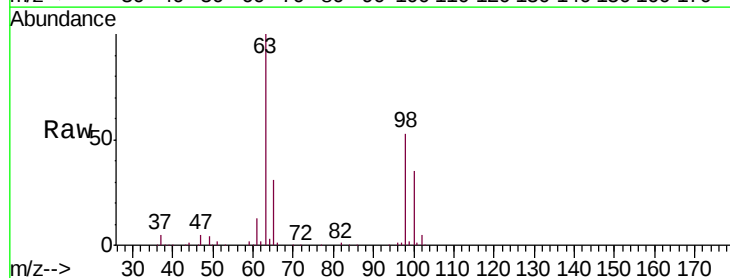
Tgt Ion: 96 Resp: 843

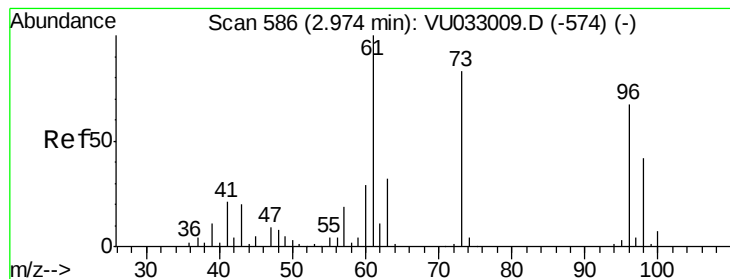
Ion Ratio Lower Upper

96 100

61 1573.4 131.0 243.4#

63 12150.6 101.0 187.6#





#17

trans-1,2-Dichloroethene

Concen: 0.386 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU033031.D

Acq: 25 Jun 2019 01:12

Instrument :

MSVOA_U

ClientSampleId :

ETF14DL

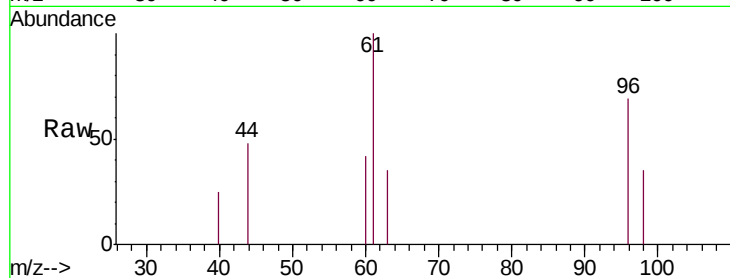
Tgt Ion: 96 Resp: 520

Ion Ratio Lower Upper

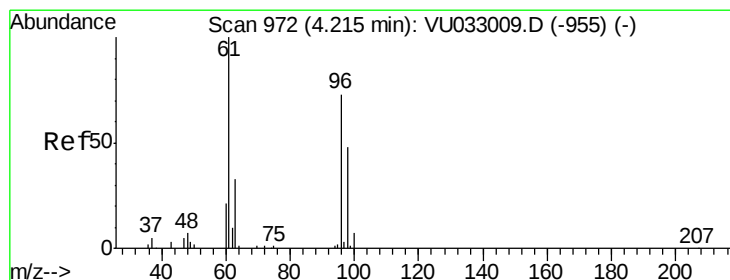
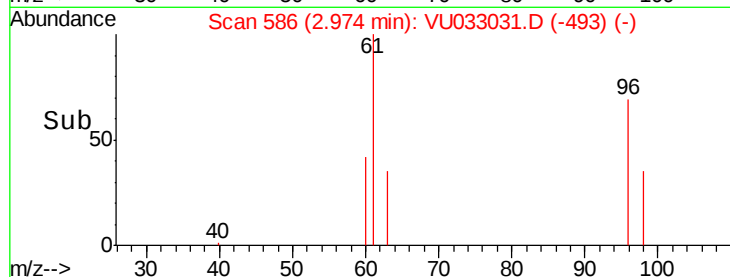
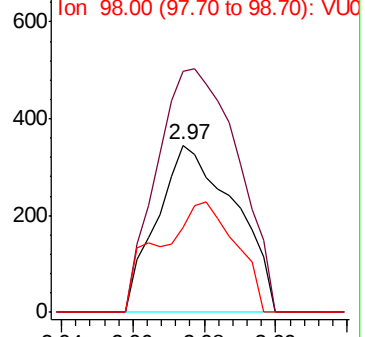
96 100

61 144.3 100.9 187.5

98 51.0 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 81.070 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033031.D

Acq: 25 Jun 2019 01:12

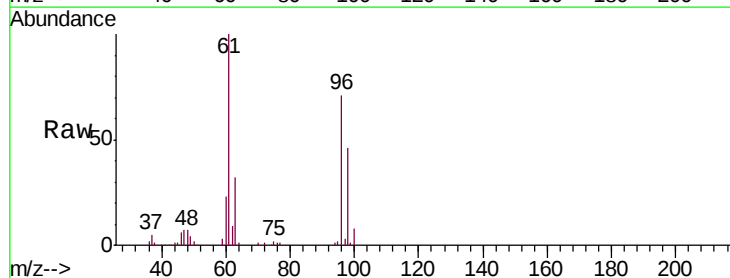
Tgt Ion: 96 Resp: 119023

Ion Ratio Lower Upper

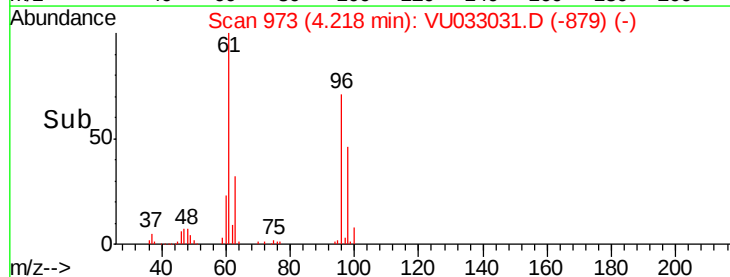
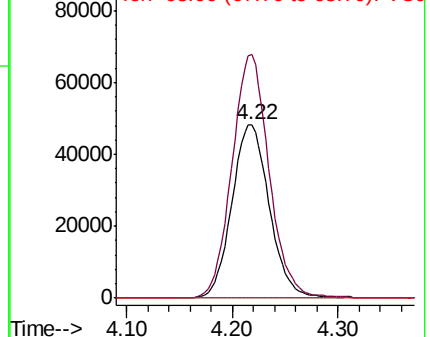
96 100

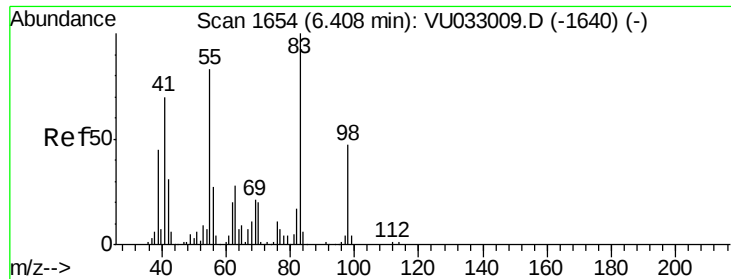
61 140.4 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)





#35

Methylcyclohexane

Concen: 8.347 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033031.D

Acq: 25 Jun 2019 01:12

Instrument :

MSVOA_U

ClientSampleId :

ETF14DL

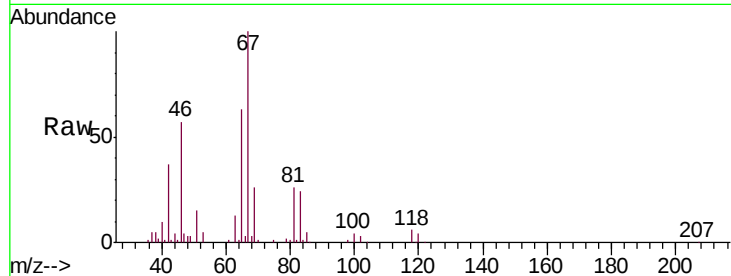
Tgt Ion: 83 Resp: 19299

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

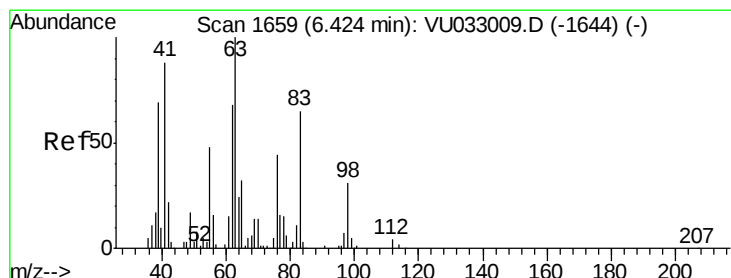
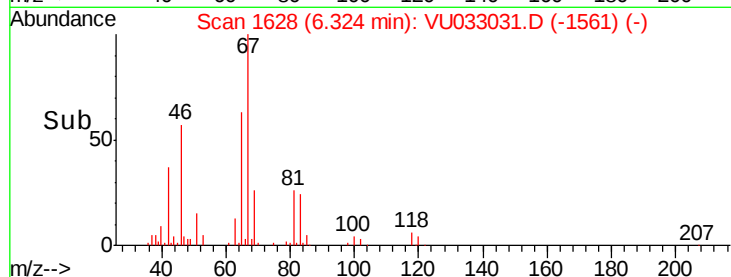
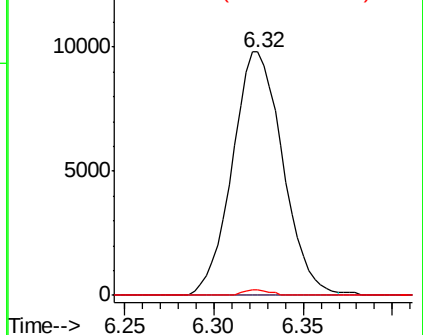
98 1.1 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU033031.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU033031.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU033031.D (-1561) (-)



#37

1,2-Dichloropropane

Concen: 6.581 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033031.D

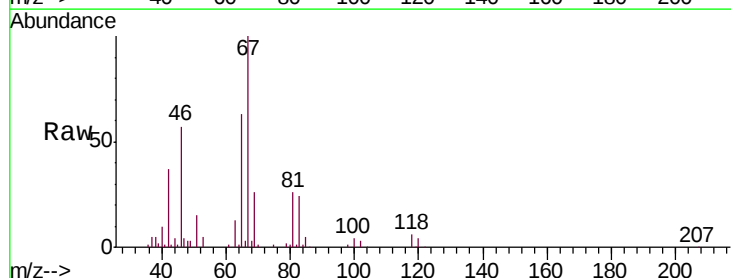
Acq: 25 Jun 2019 01:12

Tgt Ion: 63 Resp: 10106

Ion Ratio Lower Upper

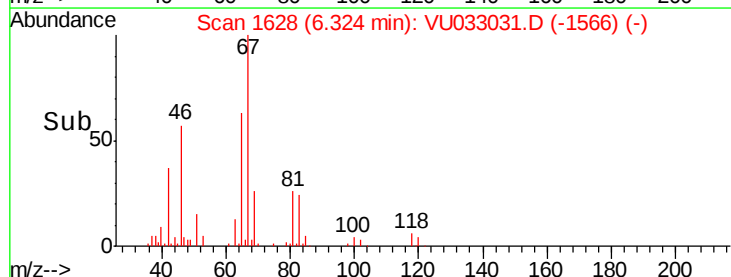
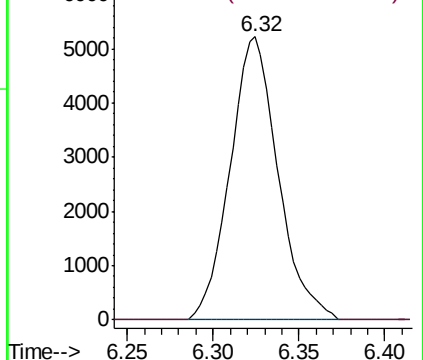
63 100

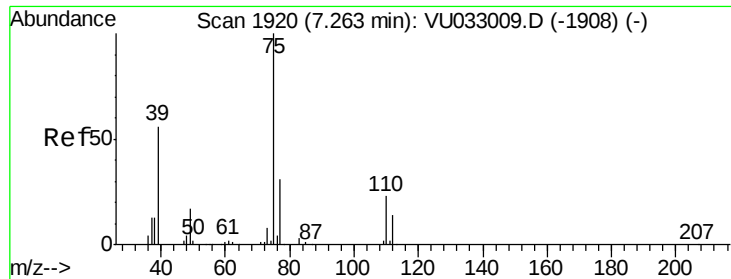
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033031.D (-1566) (-)

Ion 112.00 (111.70 to 112.70): VU033031.D (-1566) (-)

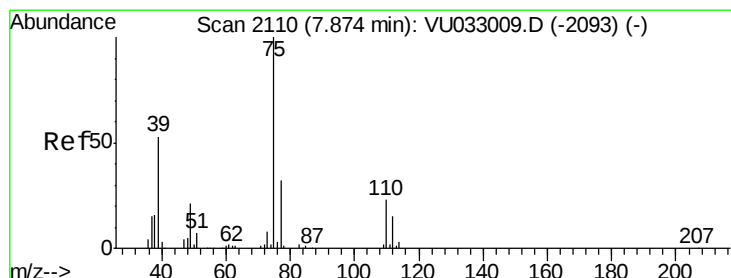
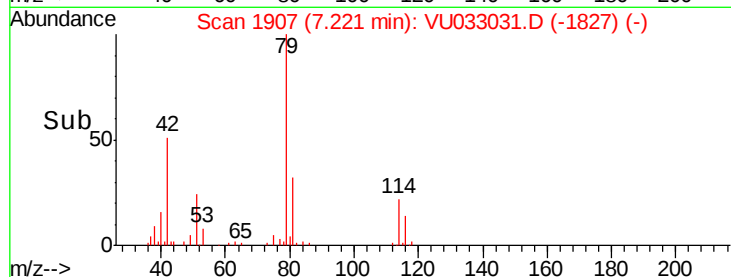
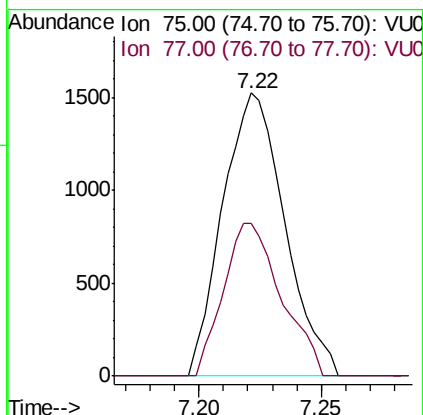
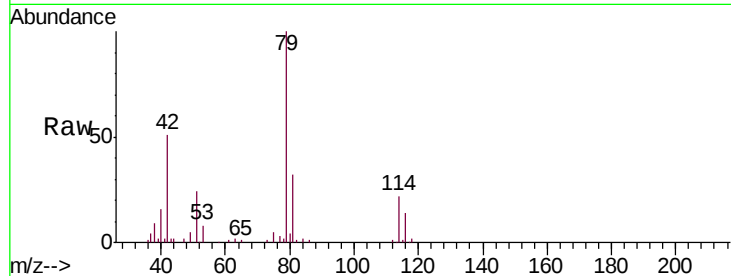




#39
 cis-1,3-Dichloropropene
 Concen: 1.126 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033031.D
 Acq: 25 Jun 2019 01:12

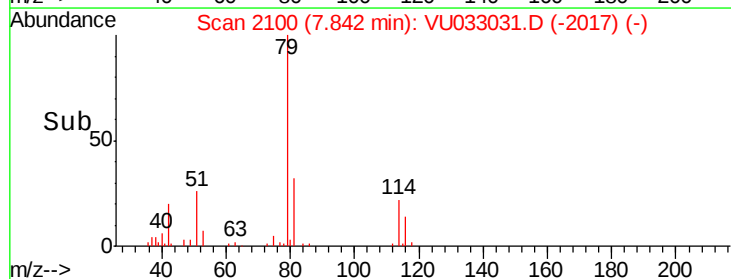
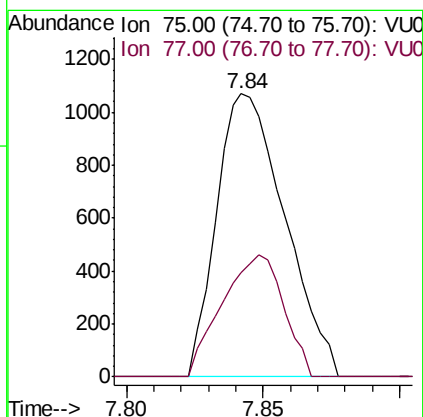
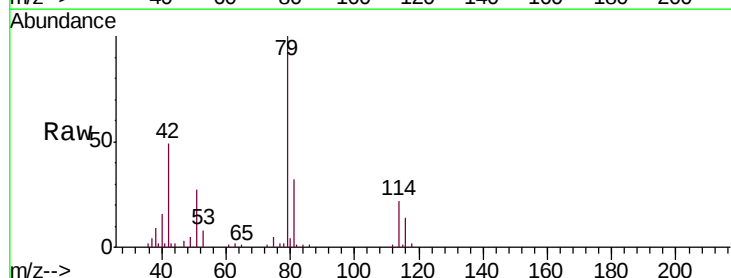
Instrument :
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 ETF14DL

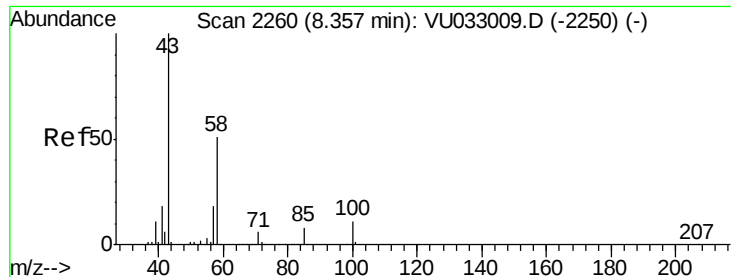
Tgt Ion: 75 Resp: 2695
 Ion Ratio Lower Upper
 75 100
 77 53.8 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.827 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU033031.D
 Acq: 25 Jun 2019 01:12

Tgt Ion: 75 Resp: 1858
 Ion Ratio Lower Upper
 75 100
 77 36.6 21.8 40.4

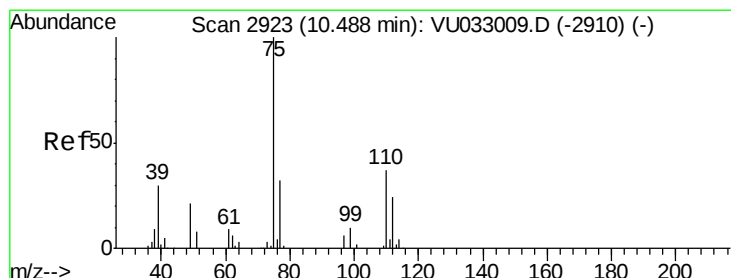
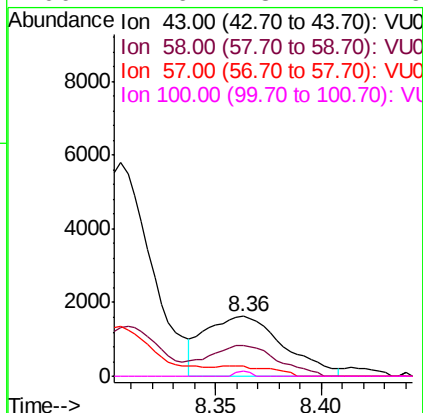
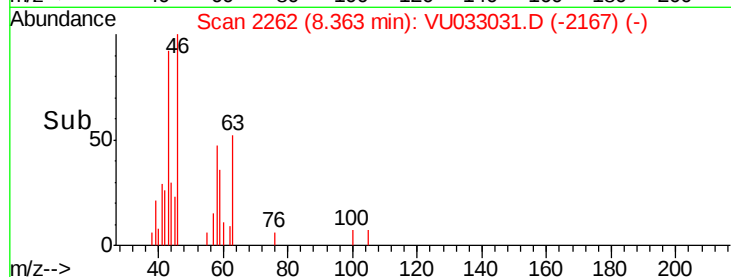
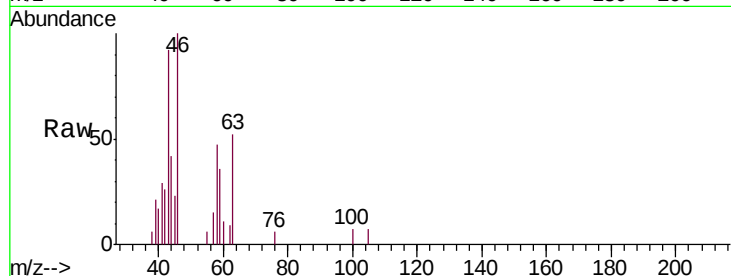




#48
2-Hexanone
Concen: 1.949 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU033031.D
Acq: 25 Jun 2019 01:12

Instrument :
MSVOA_U
ClientSampleId :
ETF14DL

Tgt Ion: 43 Resp: 4217
Ion Ratio Lower Upper
43 100
58 43.0 40.2 60.2
57 0.0 14.2 21.4#
100 1.6 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 5.758 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033031.D
Acq: 25 Jun 2019 01:12

Tgt Ion: 75 Resp: 11800
Ion Ratio Lower Upper
75 100
77 37.3 25.5 38.3

