

Data File : VU033034.D
Acq On : 25 Jun 2019 02:21
Operator : JC/SP
Sample : K3496-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF55

Quant Time: Jun 25 07:01:36 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	194909	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189556	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89839	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60879	45.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	53400	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.54%
11) 1,1-Dichloroethene-d2	2.26	63	97135	36.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.40%
21) 2-Butanone-d5	4.17	46	121507	109.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.60%
24) Chloroform-d	4.64	84	129385	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	5.30	65	91863	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.52%
32) Benzene-d6	5.33	84	252057	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.02%
36) 1,2-Dichloropropane-d6	6.32	67	81713	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.82%
41) Toluene-d8	7.56	98	227572	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.36%
43) trans-1,3-Dichloropropene-	7.85	79	38072	46.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.00%
47) 2-Hexanone-d5	8.31	63	70092	95.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.36%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	118200	48.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	90395	52.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Qvalue	
8) Chloroethane	1.40	64	921	0.904	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	776	0.596	ug/L #	17
13) Acetone	2.32	43	4194	2.739	ug/L	88
27) 1,2-Dichloroethane	5.34	62	1732	0.806	ug/L #	77
35) Methylcyclohexane	6.32	83	19130	8.483	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9892	6.604	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2862	1.226	ug/L #	72
44) trans-1,3-Dichloropropene	7.84	75	1690	0.771	ug/L	90
48) 2-Hexanone	8.36	43	2379	1.128	ug/L #	44
59) 1,2,3-Trichloropropane	11.48	75	11621	5.813	ug/L #	88

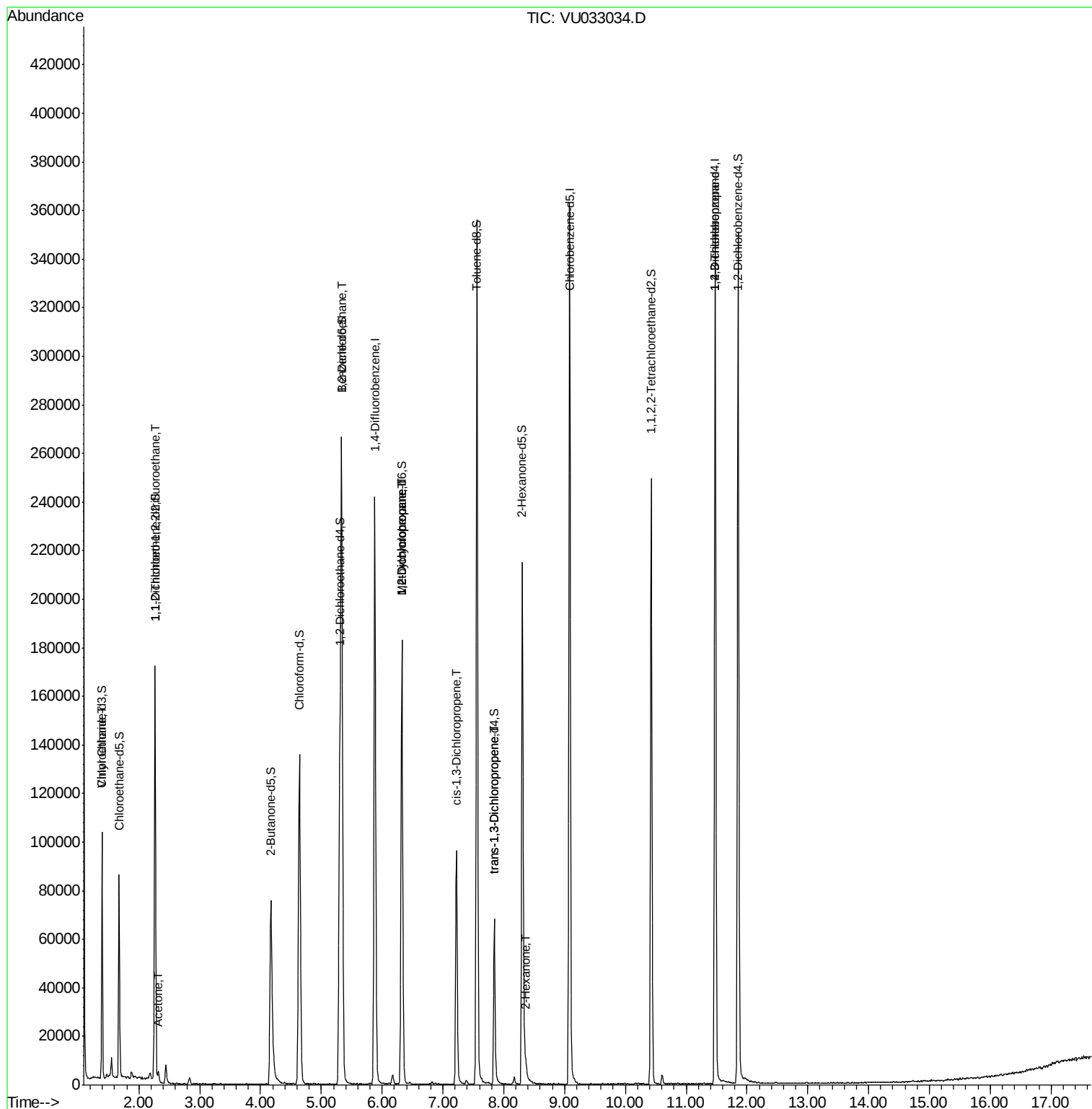
(#) = qualifier out of range (m) = manual integration (+) = signals summed

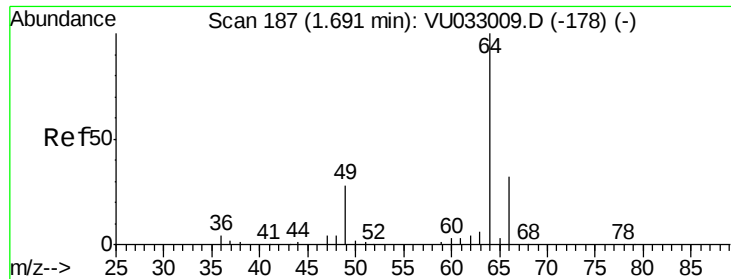
Data File : VU033034.D

```
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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.904 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033034.D

Acq: 25 Jun 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

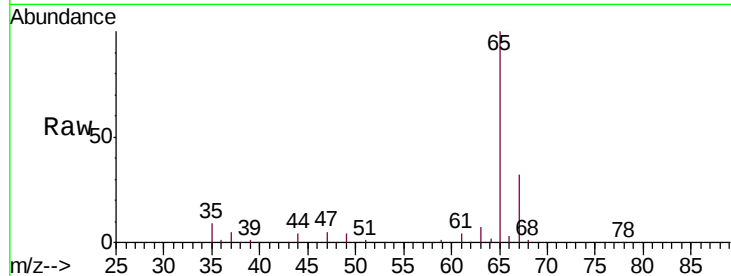
ETF55

Tgt Ion: 64 Resp: 921

Ion Ratio Lower Upper

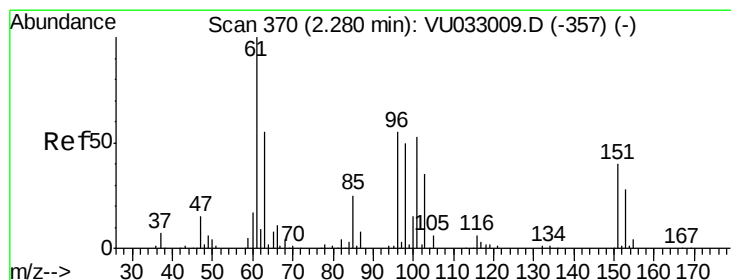
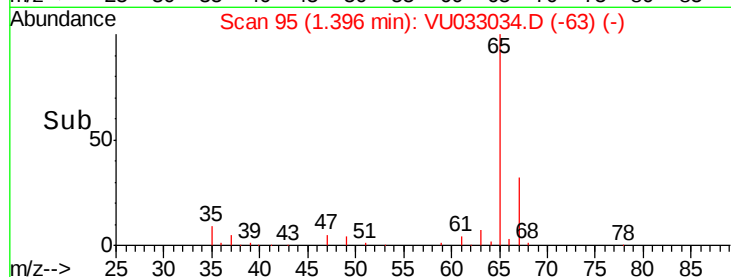
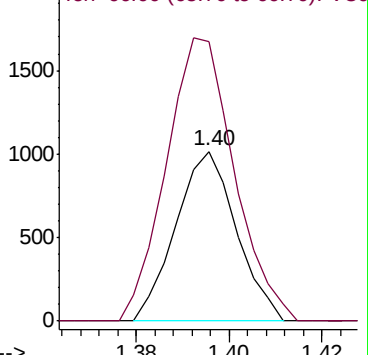
64 100

66 165.0 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU033009.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU033009.D (-178) (-)



#10

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

Concen: 0.596 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033034.D

Acq: 25 Jun 2019 02:21

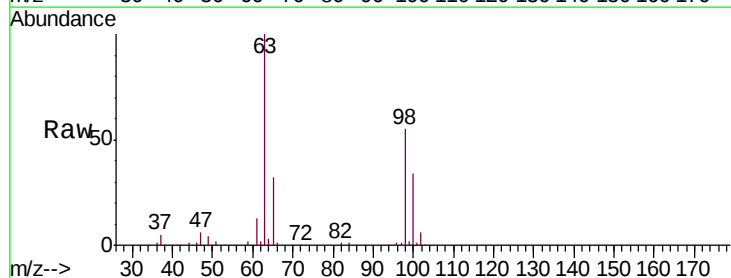
Tgt Ion: 101 Resp: 776

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

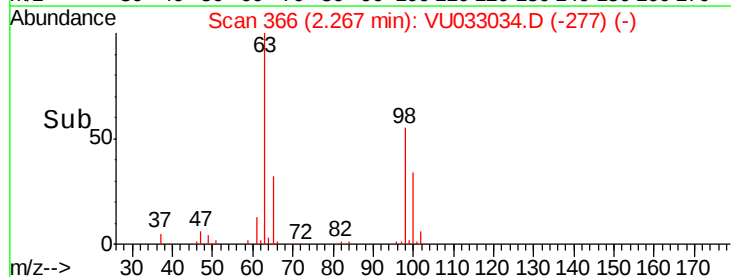
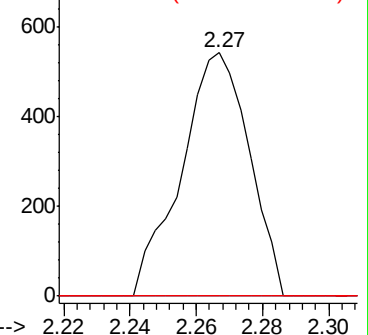
151 0.0 63.6 95.4#

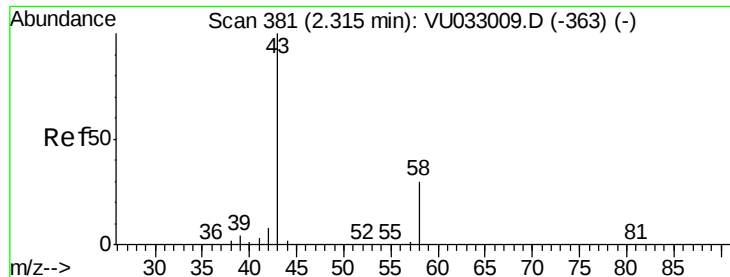


Abundance Ion 101.00 (100.70 to 101.70): VU033009.D (-357) (-)

Ion 85.00 (84.70 to 85.70): VU033009.D (-357) (-)

Ion 151.00 (150.70 to 151.70): VU033009.D (-357) (-)





#13

Acetone

Concen: 2.739 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033034.D

Acq: 25 Jun 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

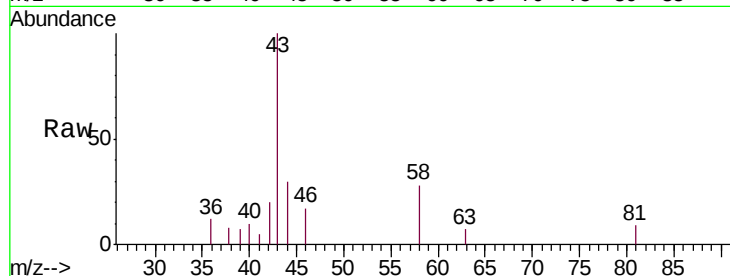
ETF55

Tgt Ion: 43 Resp: 4194

Ion Ratio Lower Upper

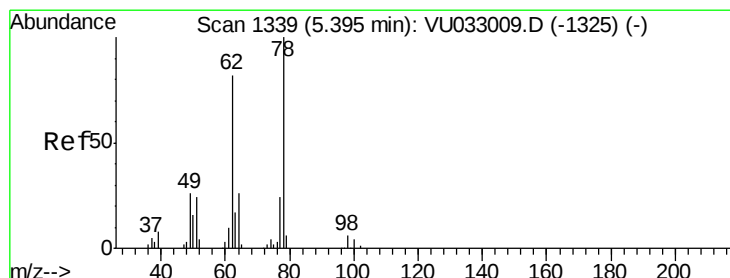
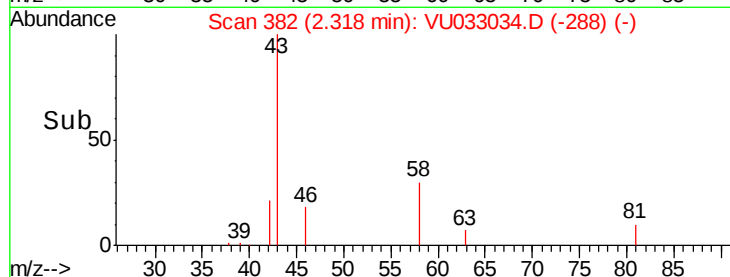
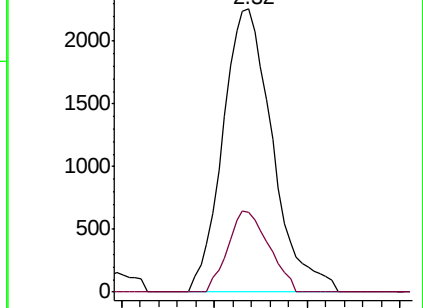
43 100

58 23.6 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033009.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU033009.D (-363) (-)



#27

1,2-Dichloroethane

Concen: 0.806 ug/L

RT: 5.34 min Scan# 1321

Delta R.T. -0.06 min

Lab File: VU033034.D

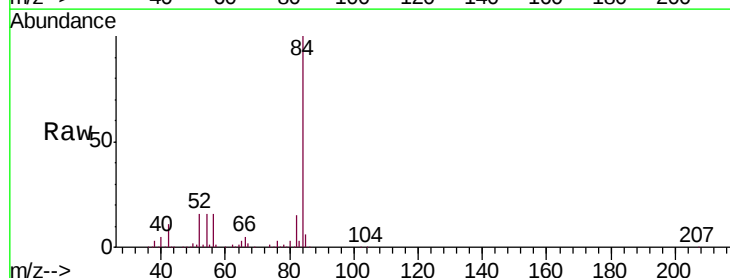
Acq: 25 Jun 2019 02:21

Tgt Ion: 62 Resp: 1732

Ion Ratio Lower Upper

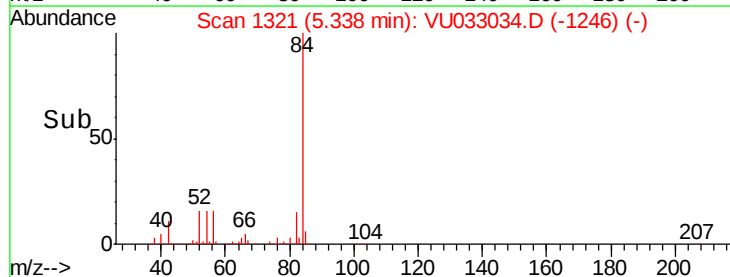
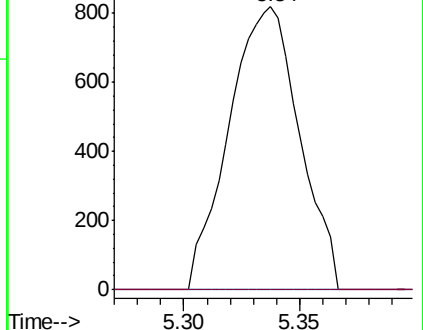
62 100

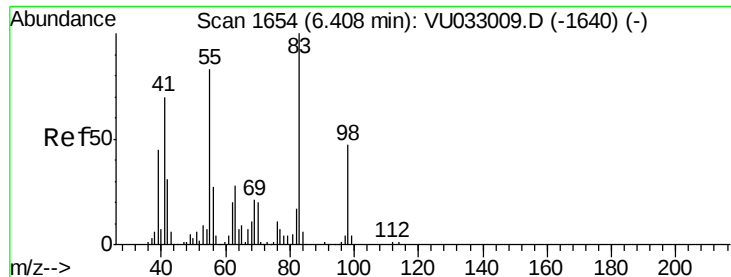
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU033009.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU033009.D (-1325) (-)





#35

Methylcyclohexane

Concen: 8.483 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033034.D

Acq: 25 Jun 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

ETF55

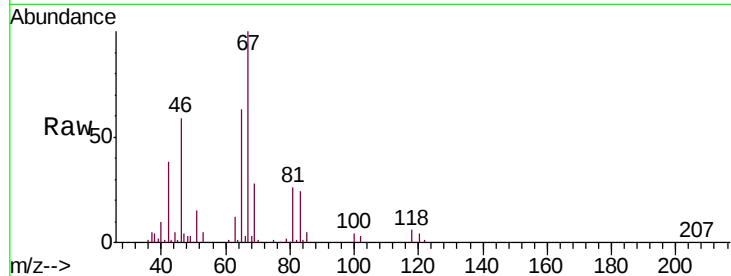
Tgt Ion: 83 Resp: 19130

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

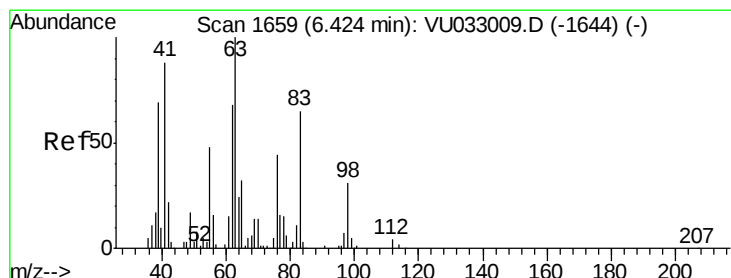
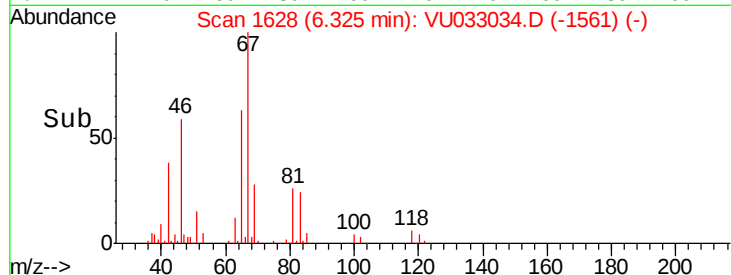
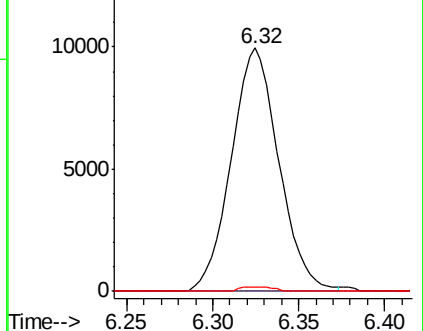
98 1.3 37.4 56.0#



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: 6.604 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033034.D

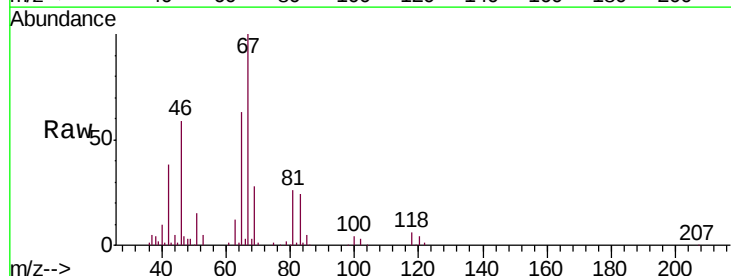
Acq: 25 Jun 2019 02:21

Tgt Ion: 63 Resp: 9892

Ion Ratio Lower Upper

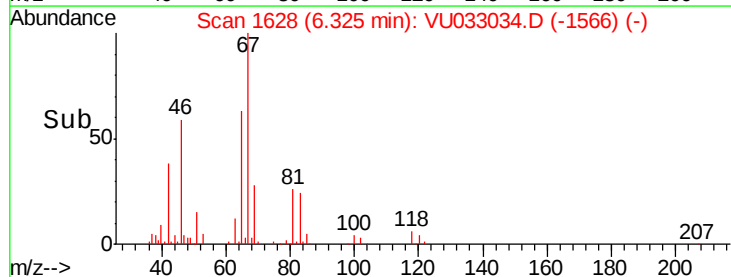
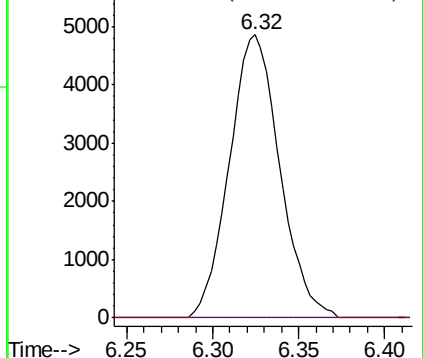
63 100

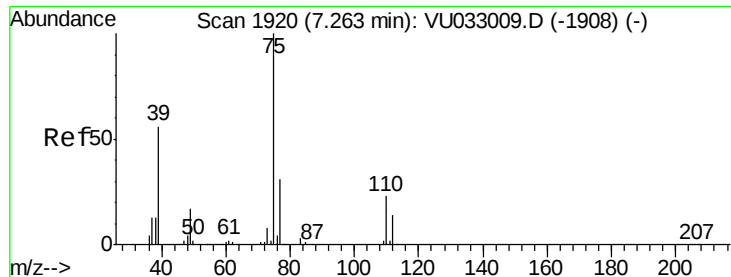
112 0.0 3.0 4.6#



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: 1.226 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033034.D

Acq: 25 Jun 2019 02:21

Instrument :

MSVOA_U

ClientSampleId :

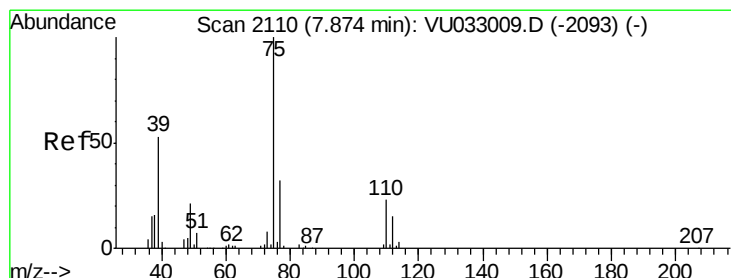
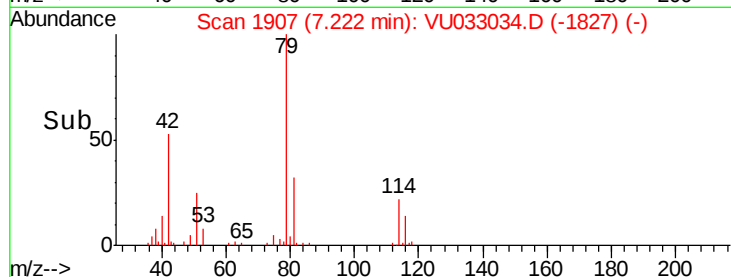
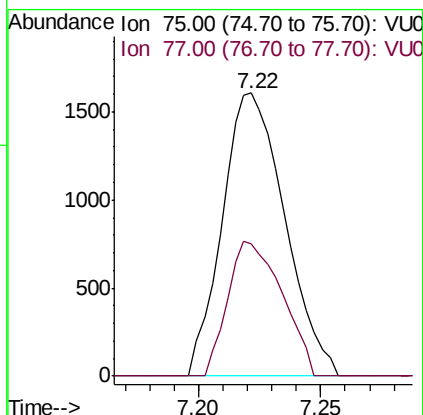
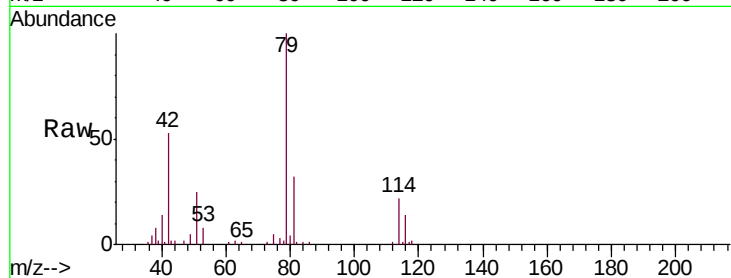
ETF55

Tgt Ion: 75 Resp: 2862

Ion Ratio Lower Upper

75 100

77 46.6 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.771 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033034.D

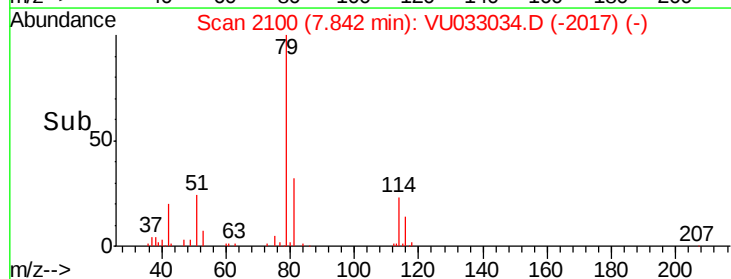
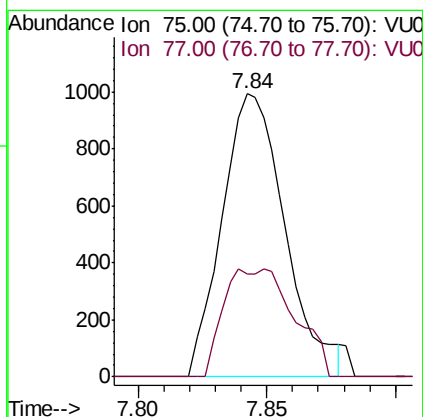
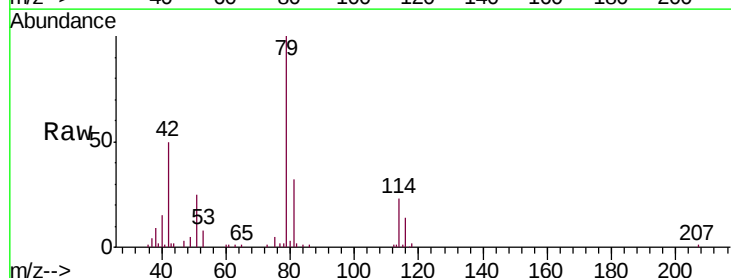
Acq: 25 Jun 2019 02:21

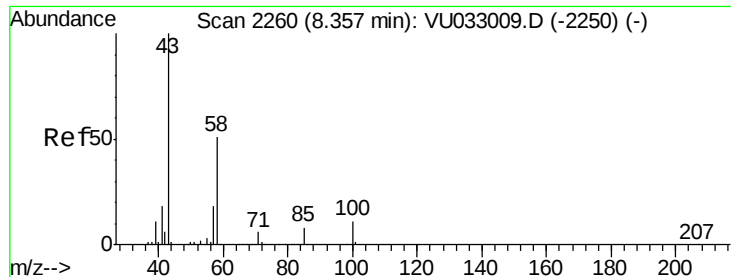
Tgt Ion: 75 Resp: 1690

Ion Ratio Lower Upper

75 100

77 36.4 21.8 40.4

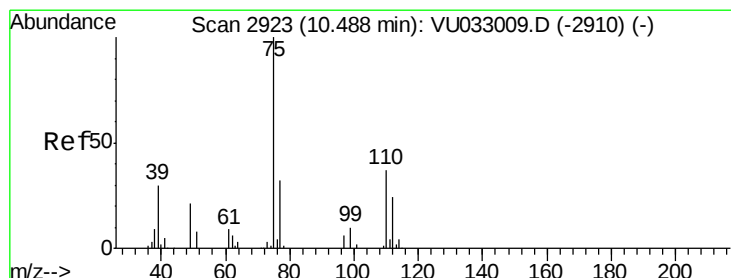
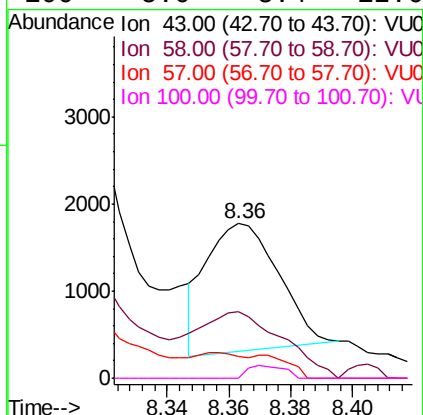
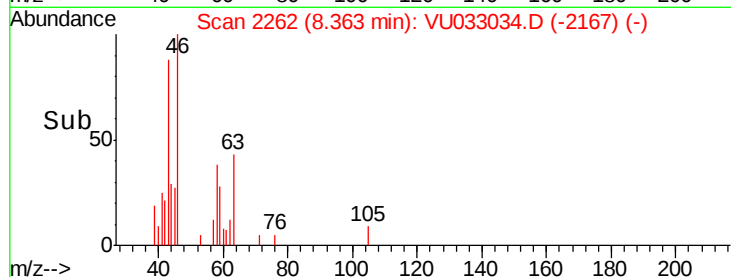
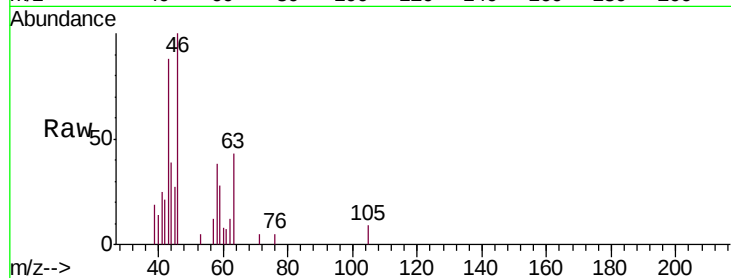




#48
2-Hexanone
Concen: 1.128 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU033034.D
Acq: 25 Jun 2019 02:21

Instrument :
MSVOA_U
ClientSampleId :
ETF55

Tgt Ion: 43 Resp: 2379
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.2#
57 3.0 14.2 21.4#
100 5.0 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 5.813 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033034.D
Acq: 25 Jun 2019 02:21

Tgt Ion: 75 Resp: 11621
Ion Ratio Lower Upper
75 100
77 38.7 25.5 38.3#

