

Data File : VU032963.D
Acq On : 21 Jun 2019 22:32
Operator : JC/SP
Sample : K3464-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF33MS

Quant Time: Jun 22 02:00:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198615	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193541	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92671	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44013	32.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.86%
7) Chloroethane-d5	1.67	69	40359	37.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.56%
11) 1,1-Dichloroethene-d2	2.27	63	104495	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	4.17	46	117557	104.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.05%
24) Chloroform-d	4.64	84	109882	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.30	65	77984	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
32) Benzene-d6	5.33	84	203216	40.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.56%
36) 1,2-Dichloropropane-d6	6.32	67	69213	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.12%
41) Toluene-d8	7.56	98	178241	37.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.44%#
43) trans-1,3-Dichloropropene-	7.85	79	32554	38.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.88%
47) 2-Hexanone-d5	8.31	63	69188	92.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.19%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107613	43.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	77790	43.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.76%

Target Compounds

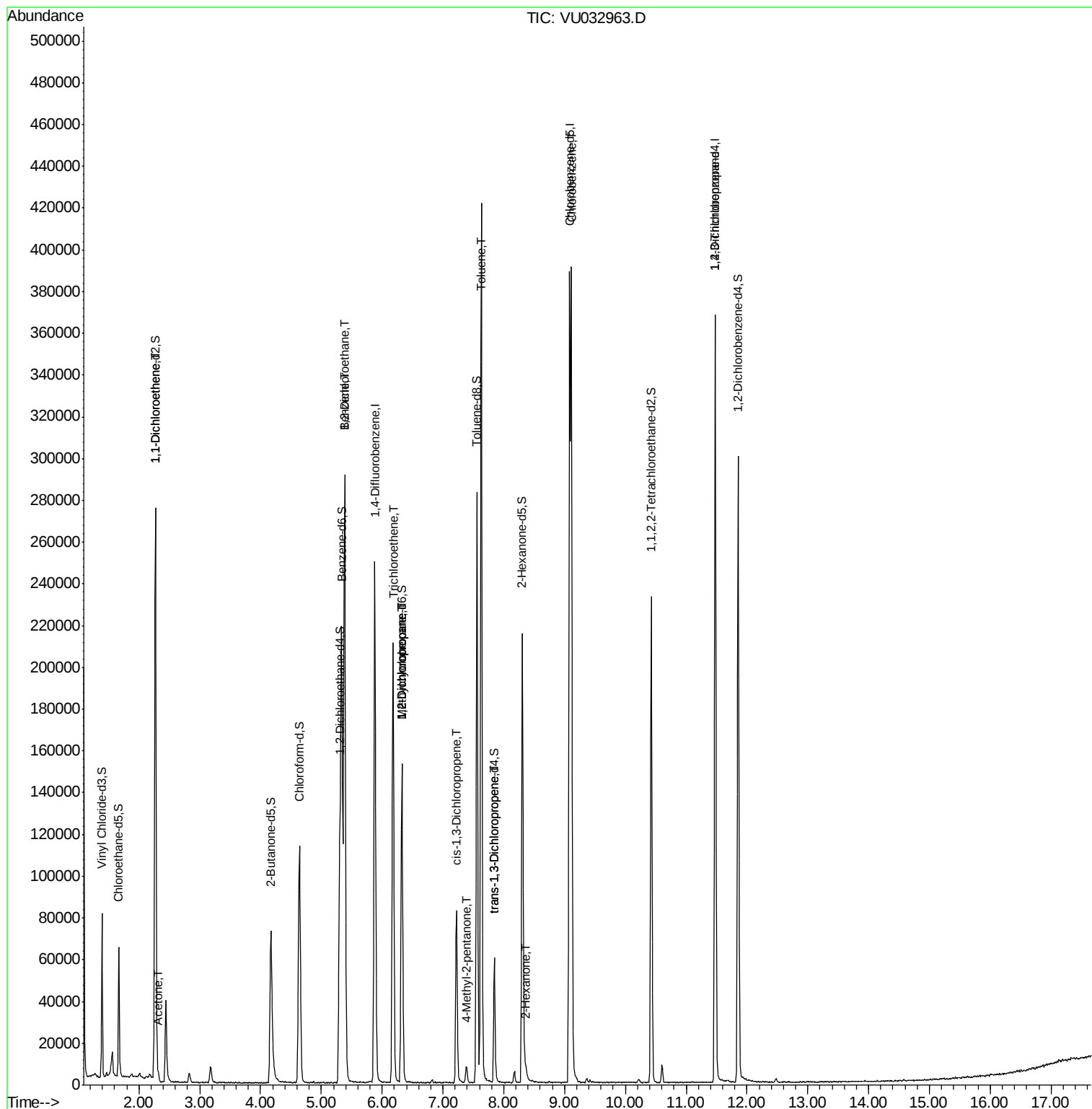
					Qvalue
12) 1,1-Dichloroethene	2.28	96	55769	44.589 ug/L	86
13) Acetone	2.32	43	3246	2.080 ug/L	90
27) 1,2-Dichloroethane	5.38	62	2432	1.110 ug/L #	77
33) Benzene	5.38	78	271663	48.725 ug/L	100
34) Trichloroethene	6.18	95	70323	47.207 ug/L	98
35) Methylcyclohexane	6.32	83	16195	7.033 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8364	5.469 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2378	0.998 ug/L #	66
40) 4-Methyl-2-pentanone	7.39	43	4212	1.725 ug/L #	46
42) Toluene	7.63	91	291804	48.373 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	1652	0.738 ug/L #	77
48) 2-Hexanone	8.37	43	2640	1.225 ug/L #	59
51) Chlorobenzene	9.11	112	187752	47.298 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	11725	5.745 ug/L	90

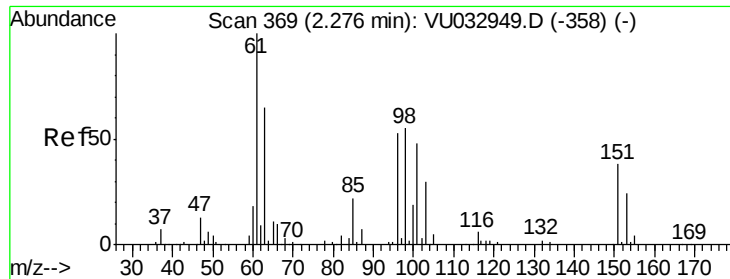
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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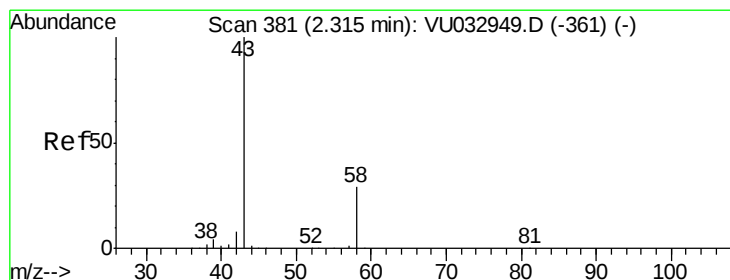
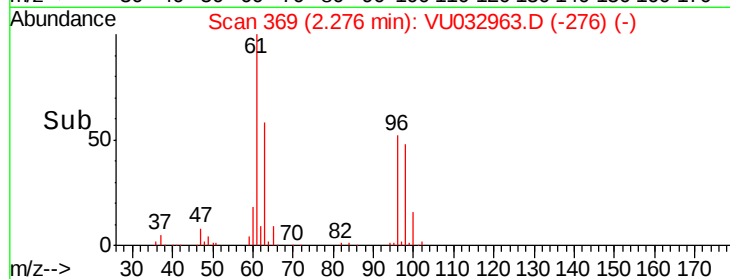
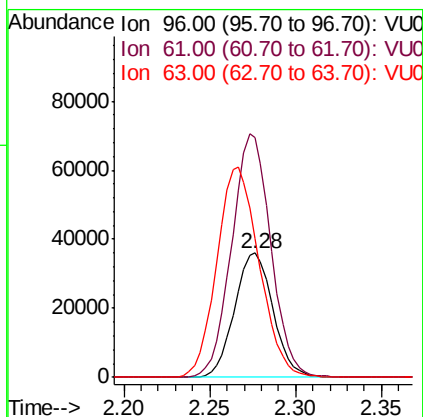
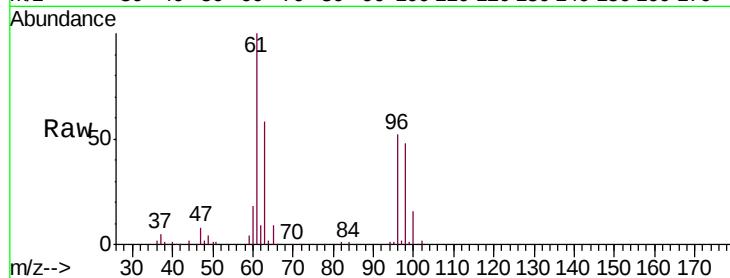




#12
 1,1-Dichloroethene
 Concen: 44.589 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

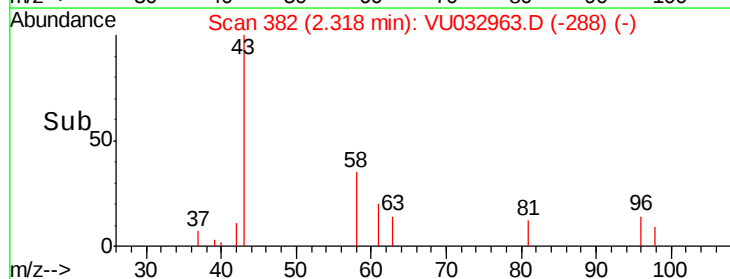
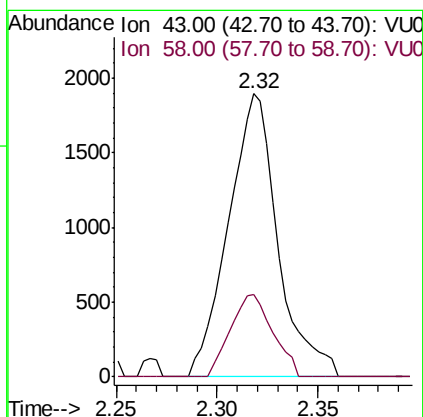
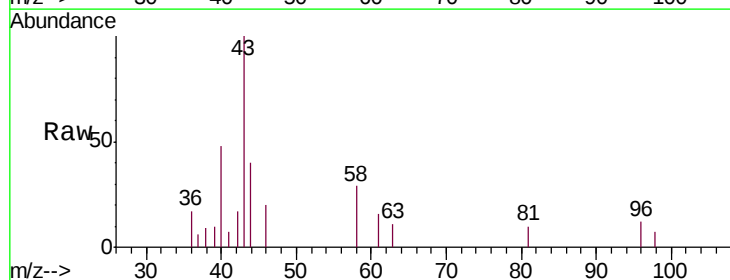
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF33MS

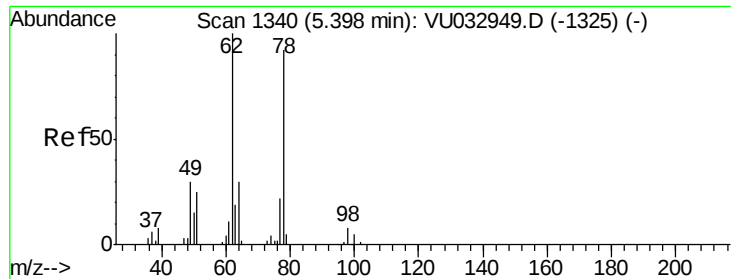
Tgt Ion: 96 Resp: 55769
 Ion Ratio Lower Upper
 96 100
 61 193.3 131.0 243.4
 63 112.0 101.0 187.6



#13
 Acetone
 Concen: 2.080 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Tgt Ion: 43 Resp: 3246
 Ion Ratio Lower Upper
 43 100
 58 25.0 0.0 60.6

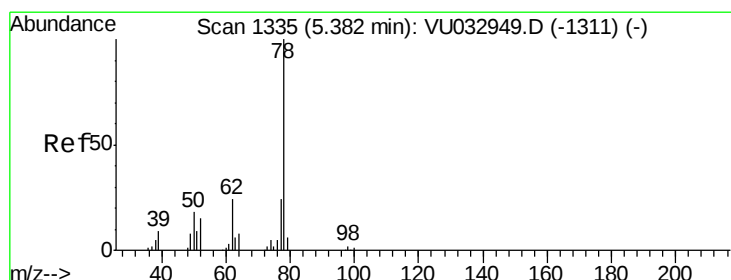
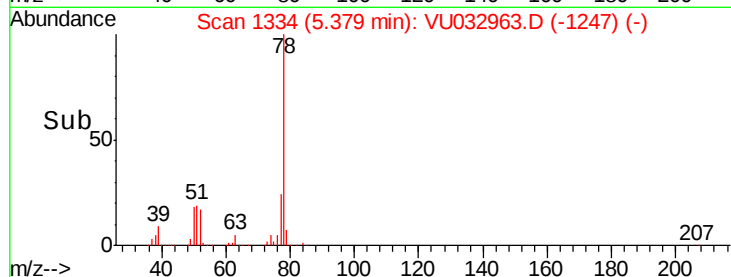
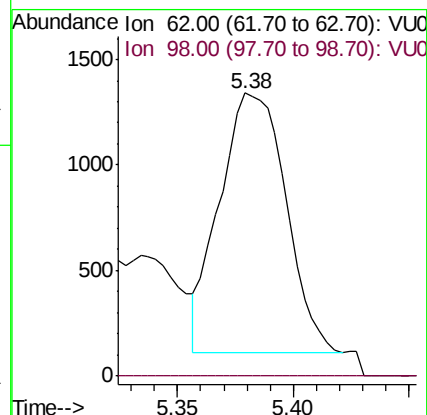
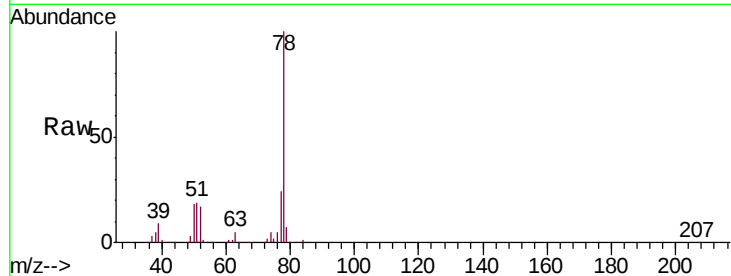




#27
 1,2-Dichloroethane
 Concen: 1.110 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

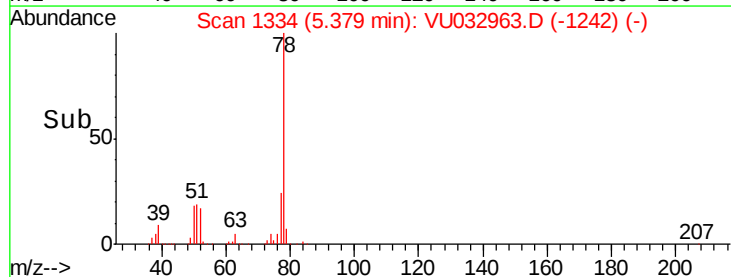
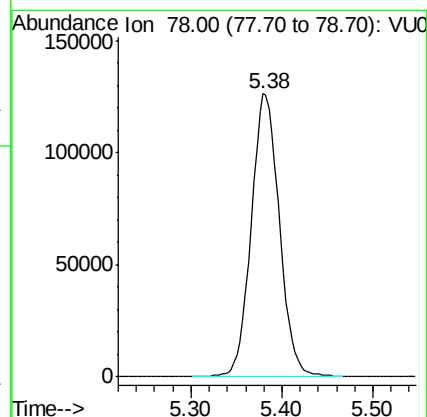
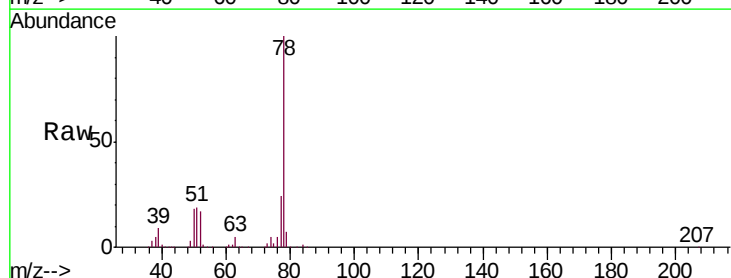
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF33MS

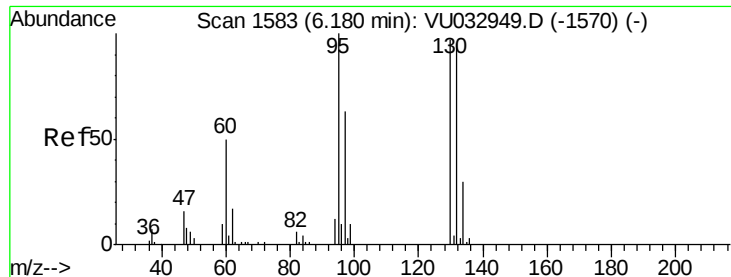
Tgt Ion: 62 Resp: 2432
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 48.725 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Tgt Ion: 78 Resp: 271663

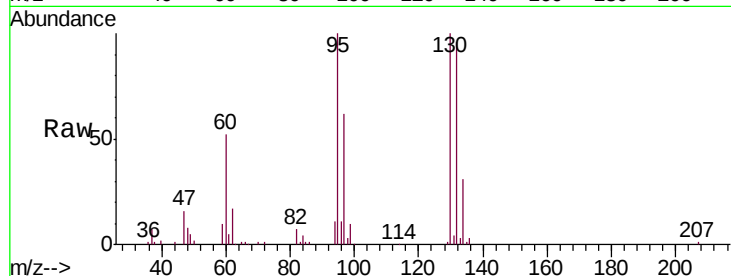




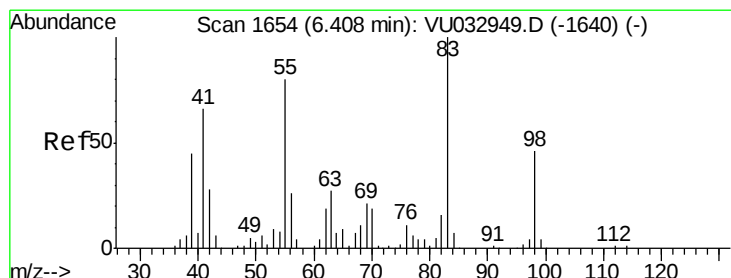
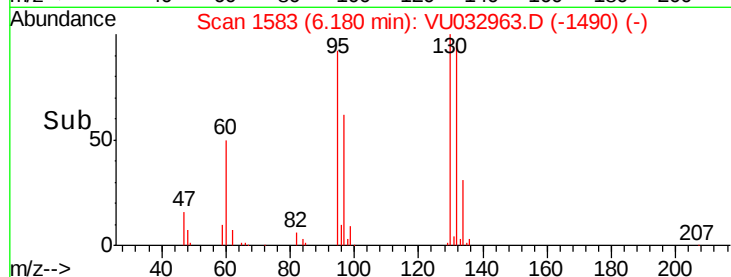
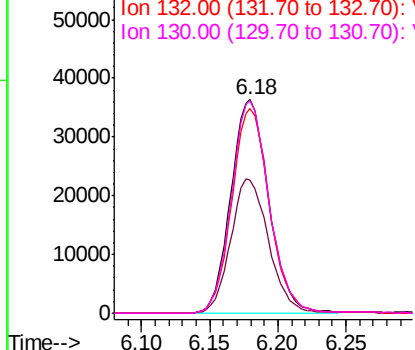
#34
 Trichloroethene
 Concen: 47.207 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF33MS

Tgt Ion: 95 Resp: 70323
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.9 85.3
 132 95.9 68.5 127.3
 130 99.6 70.8 131.4

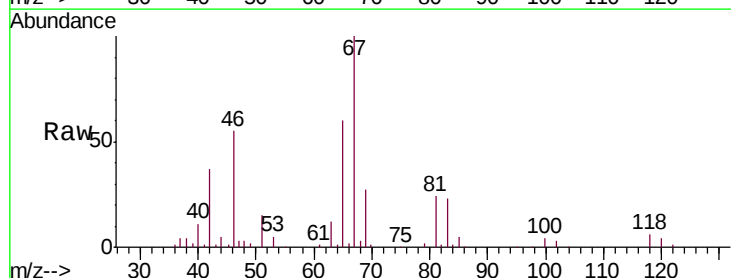


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

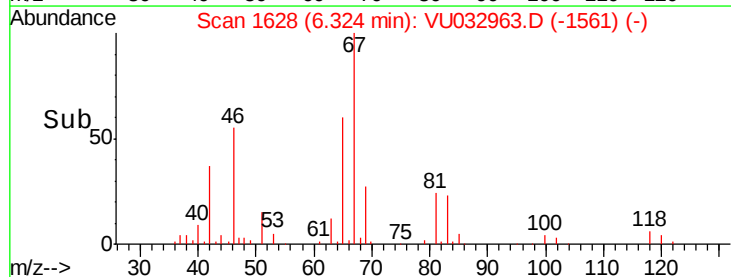
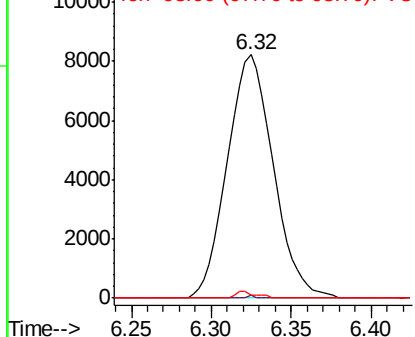


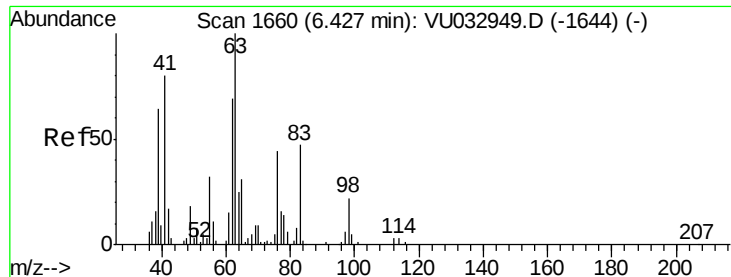
#35
 Methylcyclohexane
 Concen: 7.033 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.08 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Tgt Ion: 83 Resp: 16195
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.6 94.0#
 98 0.9 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: 5.469 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032963.D

Acq: 21 Jun 2019 22:32

Instrument :

MSVOA_U

ClientSampleId :

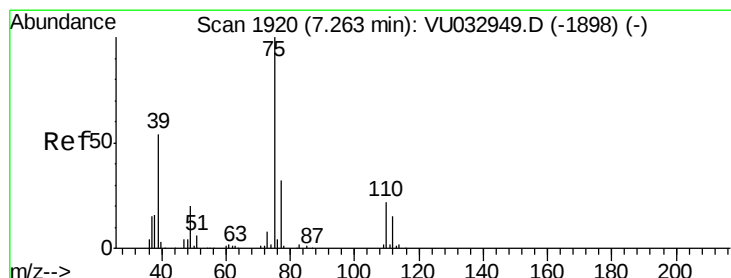
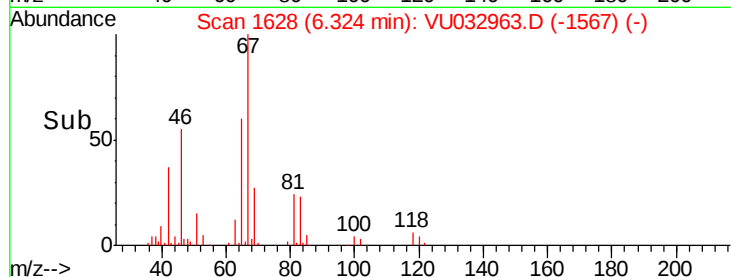
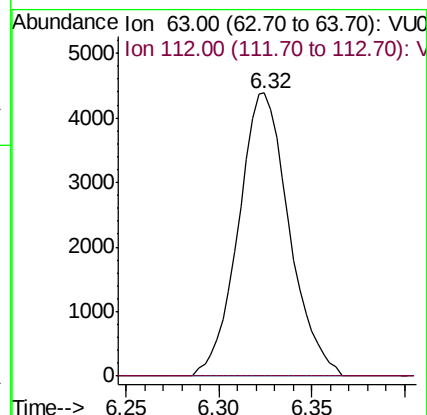
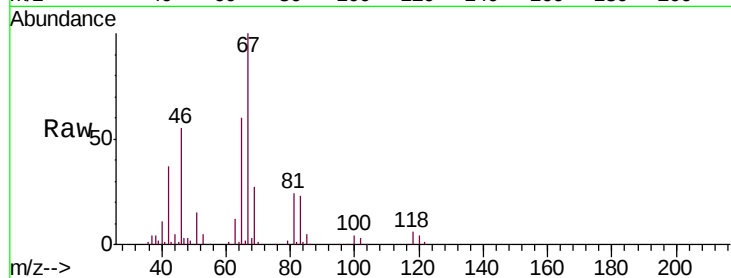
ETF33MS

Tgt Ion: 63 Resp: 8364

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 0.998 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032963.D

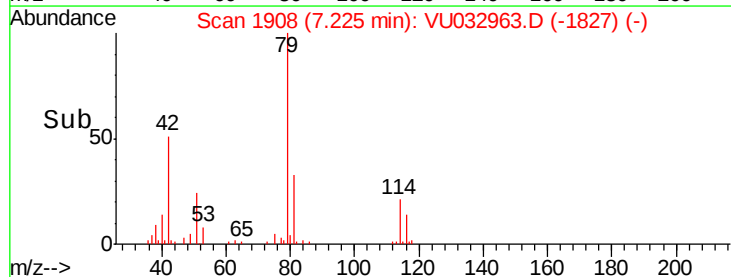
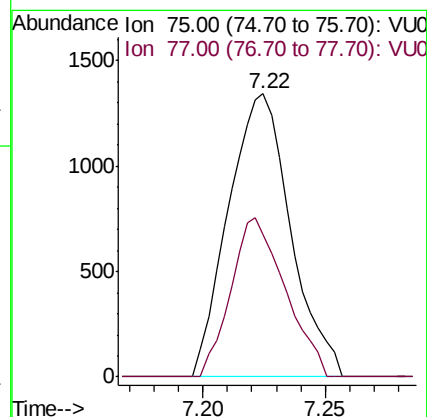
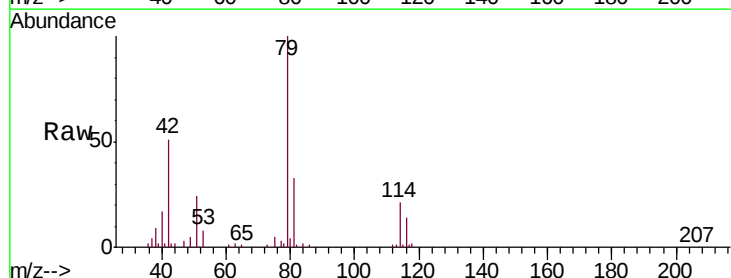
Acq: 21 Jun 2019 22:32

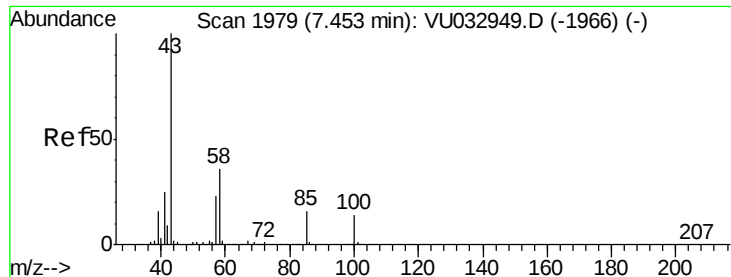
Tgt Ion: 75 Resp: 2378

Ion Ratio Lower Upper

75 100

77 50.3 21.9 40.7#

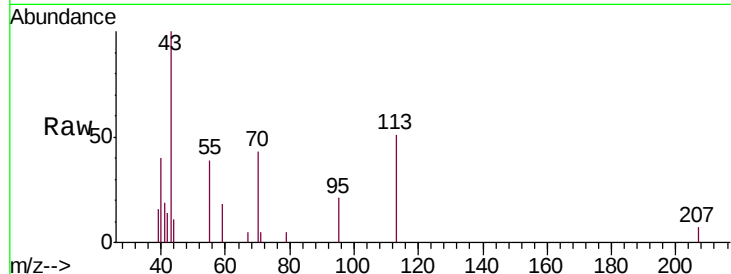




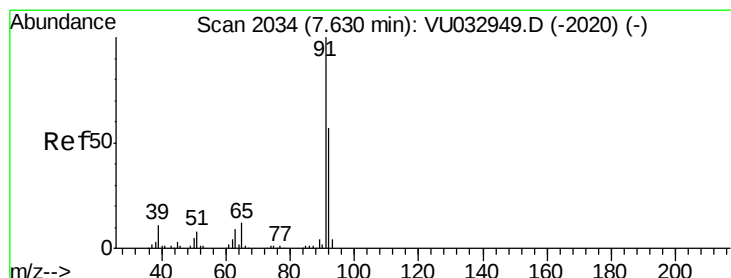
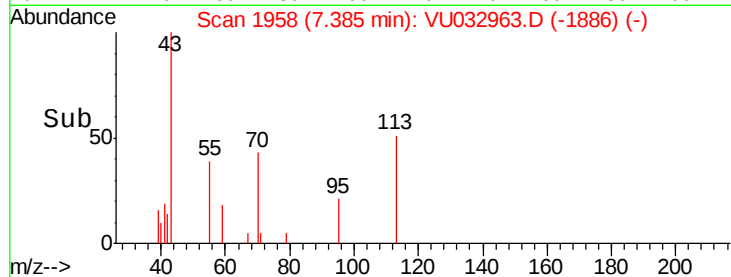
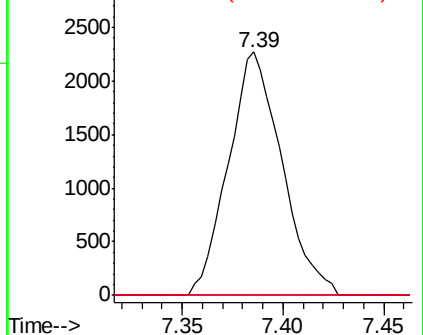
#40
 4-Methyl-2-pentanone
 Concen: 1.725 ug/L
 RT: 7.39 min Scan# 1958
 Delta R.T. -0.07 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF33MS

Tgt Ion: 43 Resp: 4212
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#
 100 0.0 11.2 16.8#

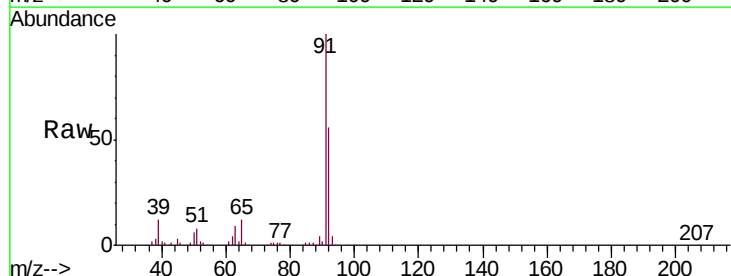


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

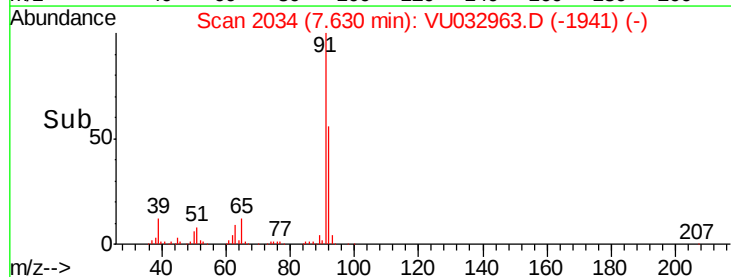
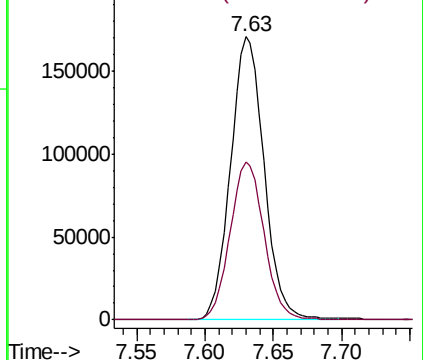


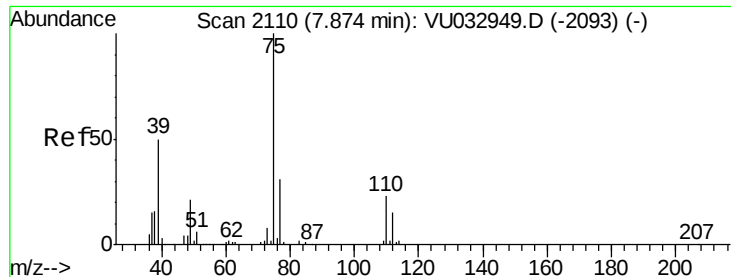
#42
 Toluene
 Concen: 48.373 ug/L
 RT: 7.63 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU032963.D
 Acq: 21 Jun 2019 22:32

Tgt Ion: 91 Resp: 291804
 Ion Ratio Lower Upper
 91 100
 92 55.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.738 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032963.D

Acq: 21 Jun 2019 22:32

Instrument :

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ClientSampleId :

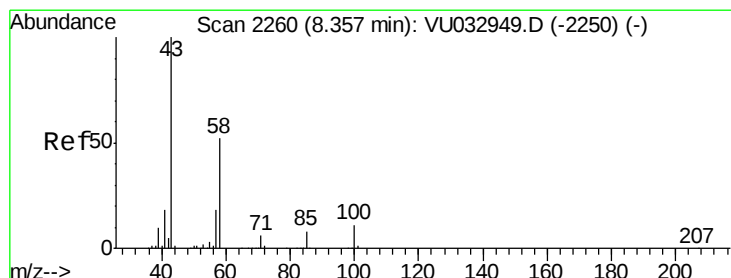
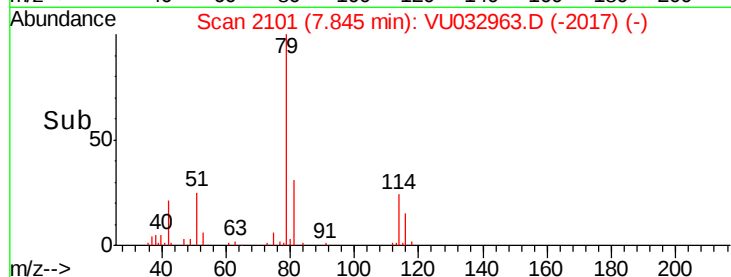
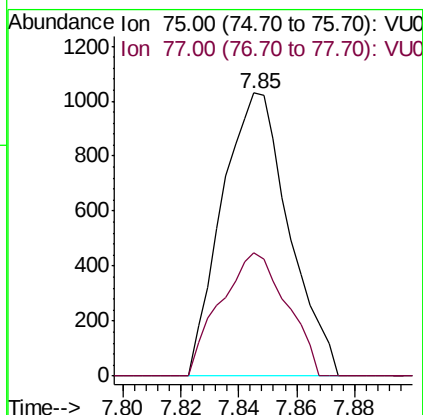
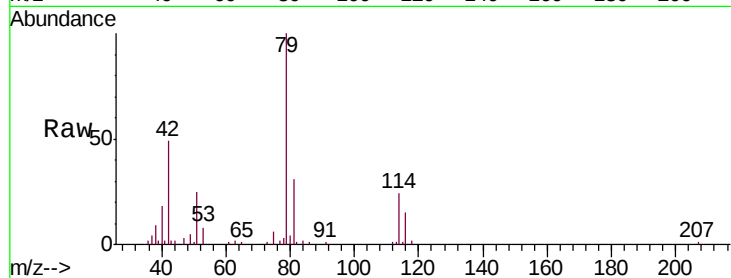
ETF33MS

Tgt Ion: 75 Resp: 1652

Ion Ratio Lower Upper

75 100

77 43.7 21.8 40.4#



#48

2-Hexanone

Concen: 1.225 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU032963.D

Acq: 21 Jun 2019 22:32

Tgt Ion: 43 Resp: 2640

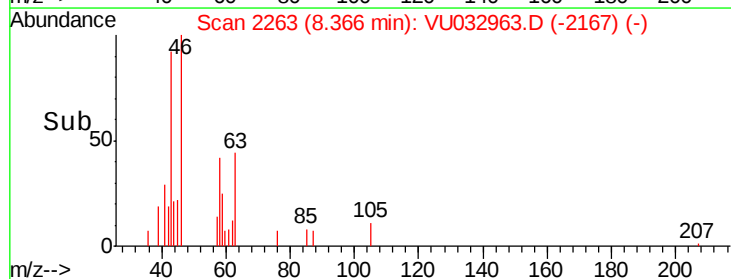
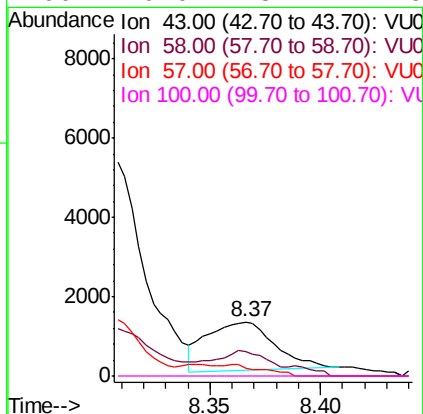
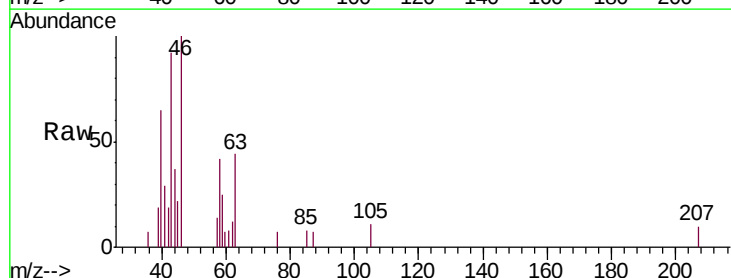
Ion Ratio Lower Upper

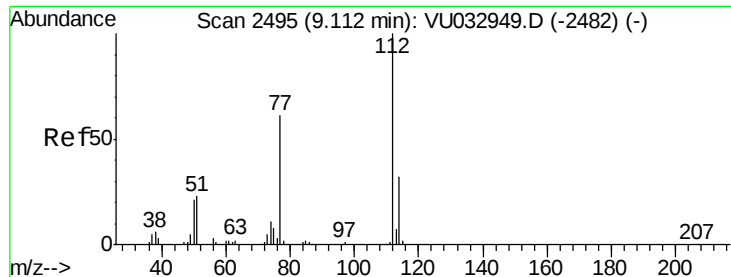
43 100

58 18.6 40.2 60.2#

57 2.8 14.2 21.4#

100 0.0 8.4 12.6#

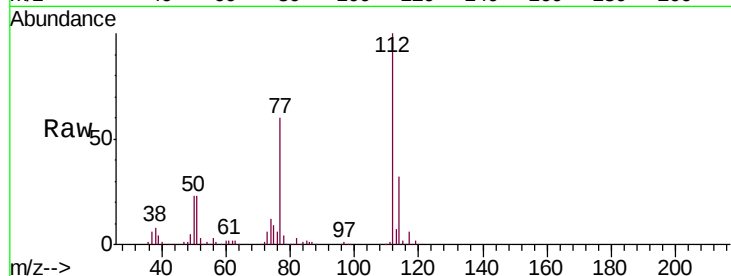




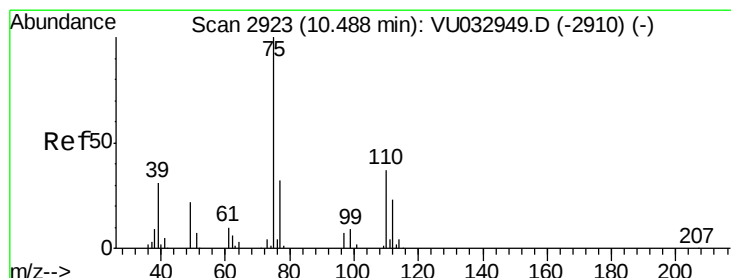
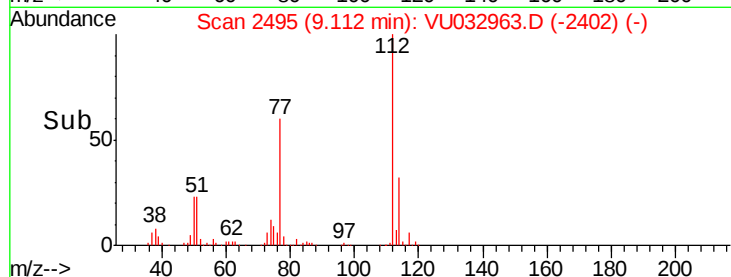
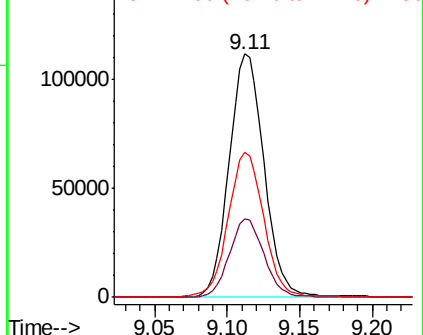
#51
Chlorobenzene
Concen: 47.298 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032963.D
Acq: 21 Jun 2019 22:32

Instrument :
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ClientSampleId :
ETF33MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	59.6	46.3	69.5

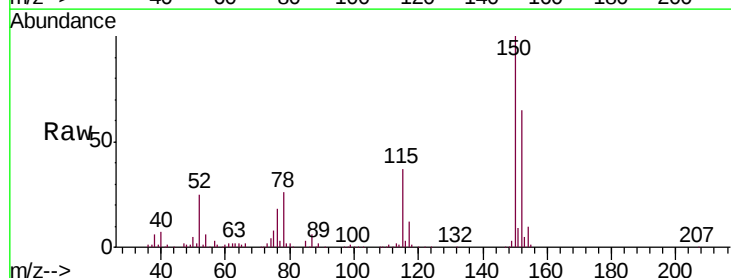


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 5.745 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032963.D
Acq: 21 Jun 2019 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.7	25.5	38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

