

Data File : VU033002.D
Acq On : 24 Jun 2019 13:13
Operator : JC/SP
Sample : K3478-08MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF22MSD

Quant Time: Jun 25 05:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	189259	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	184496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55193	42.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.34%
7) Chloroethane-d5	1.67	69	48496	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.02%
11) 1,1-Dichloroethene-d2	2.27	63	123054	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
21) 2-Butanone-d5	4.17	46	123802	115.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.00%
24) Chloroform-d	4.64	84	126393	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
26) 1,2-Dichloroethane-d4	5.30	65	92214	55.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.12%
32) Benzene-d6	5.33	84	247273	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.82%
36) 1,2-Dichloropropane-d6	6.32	67	80559	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.16%
41) Toluene-d8	7.56	98	228125	50.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.30%
43) trans-1,3-Dichloropropene-	7.84	79	40257	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	75403	105.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.40%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121421	51.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	92864	53.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.04%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	3652	2.125	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	814	0.644	ug/L #	17
12) 1,1-Dichloroethene	2.28	96	57858	48.546	ug/L	95
13) Acetone	2.32	43	717	0.482	ug/L	64
17) trans-1,2-Dichloroethene	2.98	96	3901	3.018	ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	102650	72.907	ug/L	97
27) 1,2-Dichloroethane	5.38	62	2873	1.376	ug/L #	77
33) Benzene	5.38	78	275368	51.811	ug/L	100
34) Trichloroethene	6.18	95	92951	65.456	ug/L	98
35) Methylcyclohexane	6.32	83	18938	8.628	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10009	6.865	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2965	1.305	ug/L #	74
42) Toluene	7.63	91	294758	51.258	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	2066	0.968	ug/L	94
51) Chlorobenzene	9.11	112	194366	51.364	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	11859	6.095	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

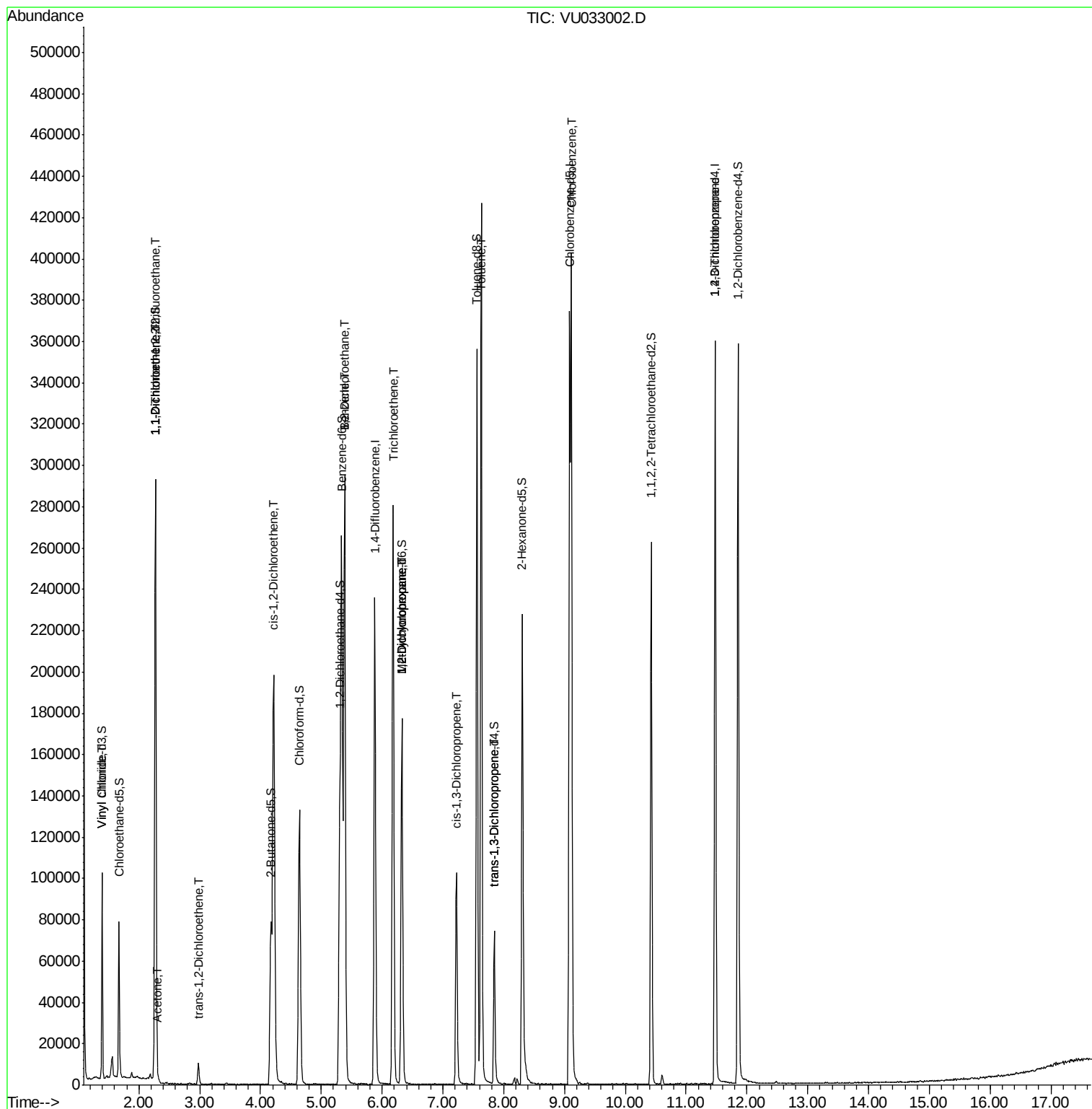
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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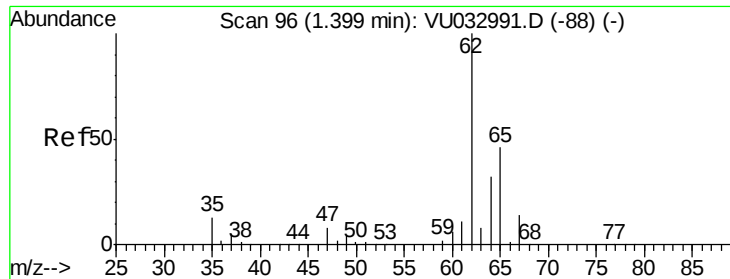
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.125 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

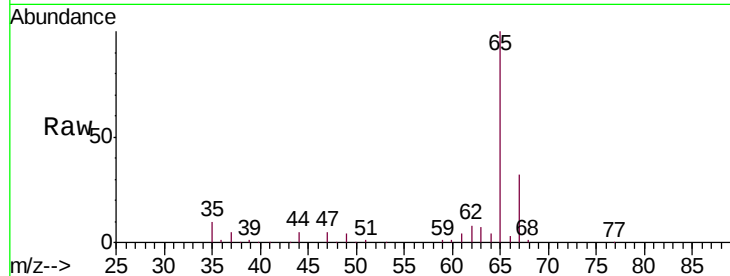
ETF22MSD

Tgt Ion: 62 Resp: 3652

Ion Ratio Lower Upper

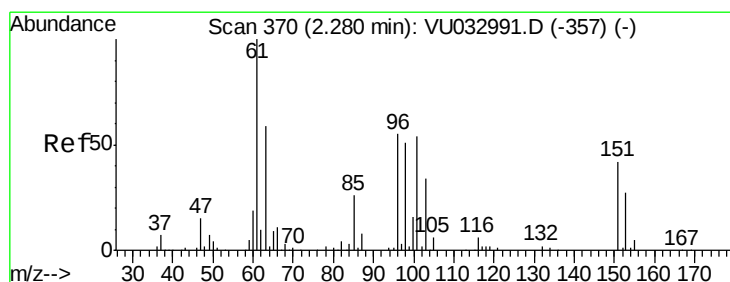
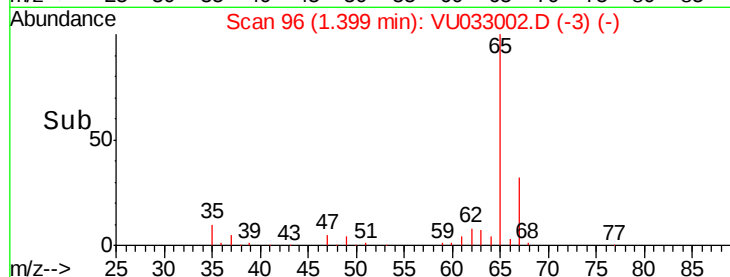
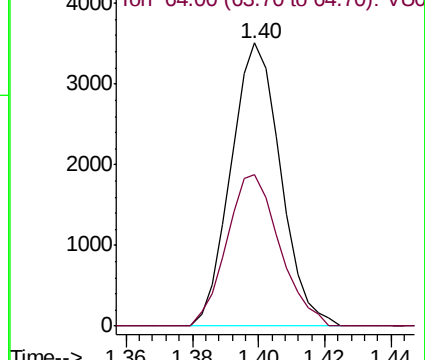
62 100

64 53.6 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU033002.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU033002.D (-3) (-)



#10

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

Concen: 0.644 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

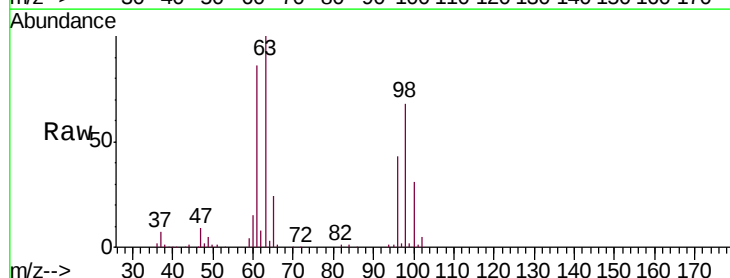
Tgt Ion: 101 Resp: 814

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

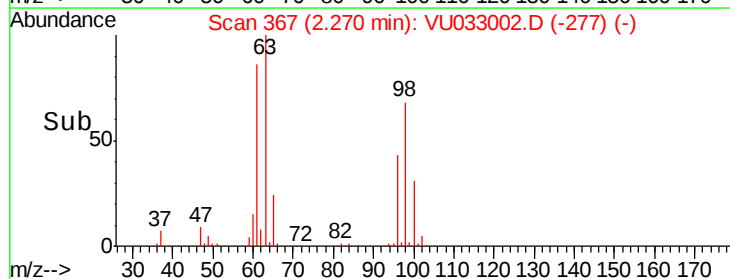
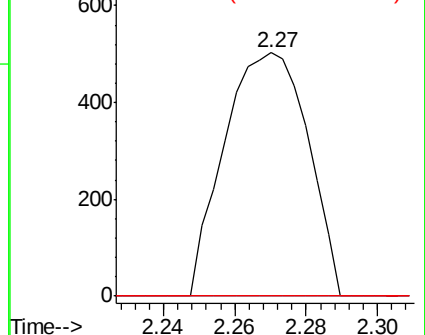
151 0.0 63.6 95.4#

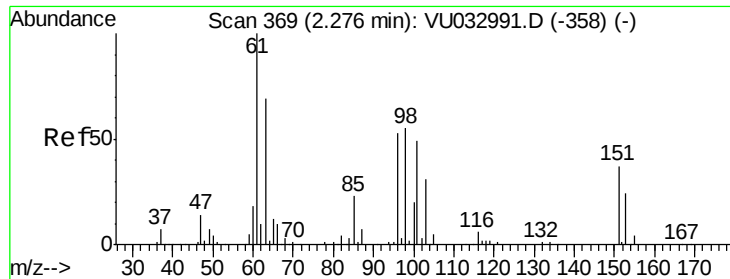


Abundance Ion 101.00 (100.70 to 101.70): VU033002.D (-277) (-)

Ion 85.00 (84.70 to 85.70): VU033002.D (-277) (-)

Ion 151.00 (150.70 to 151.70): VU033002.D (-277) (-)

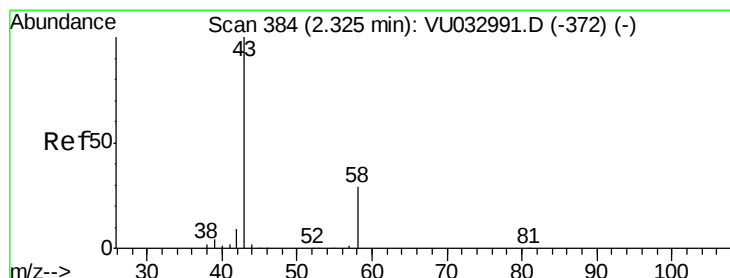
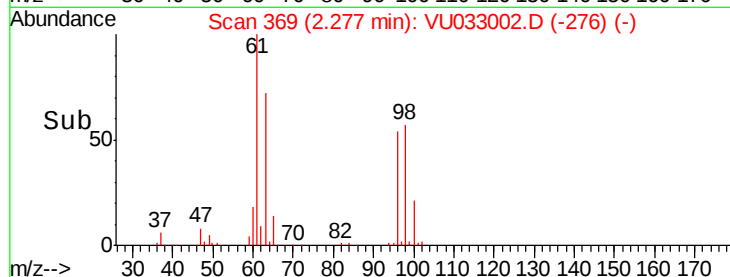
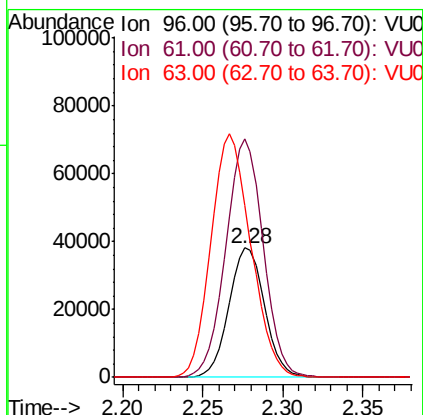
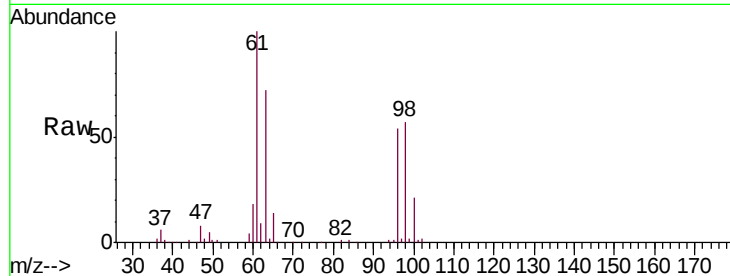




#12
 1,1-Dichloroethene
 Concen: 48.546 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU033002.D
 Acq: 24 Jun 2019 13:13

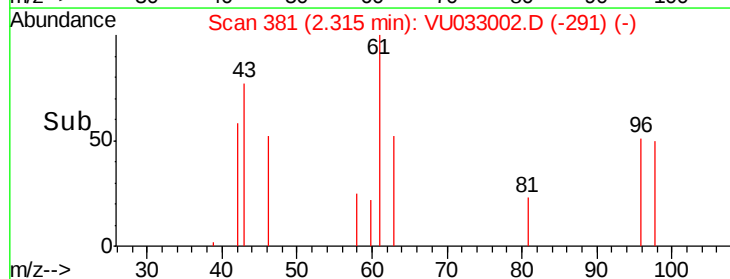
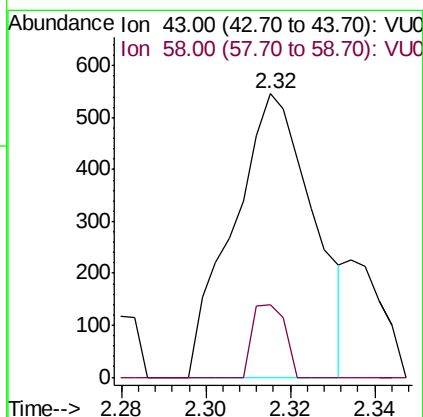
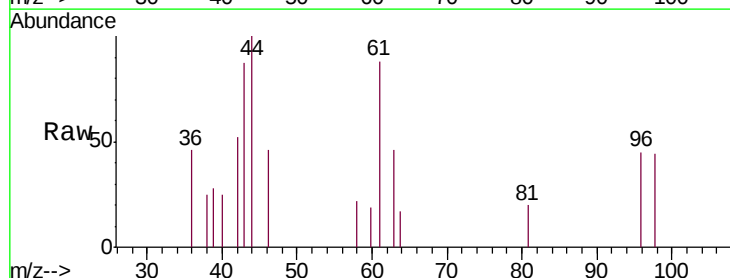
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MSD

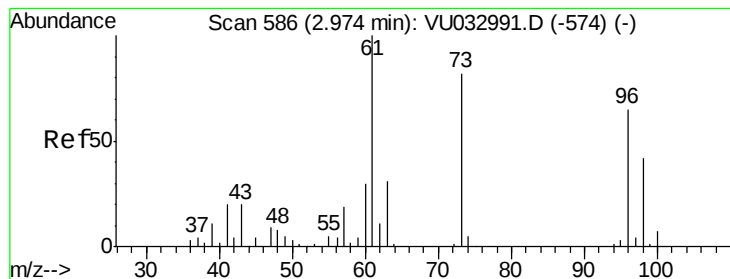
Tgt Ion: 96 Resp: 57858
 Ion Ratio Lower Upper
 96 100
 61 184.6 131.0 243.4
 63 132.8 101.0 187.6



#13
 Acetone
 Concen: 0.482 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VU033002.D
 Acq: 24 Jun 2019 13:13

Tgt Ion: 43 Resp: 717
 Ion Ratio Lower Upper
 43 100
 58 10.5 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 3.018 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

ETF22MSD

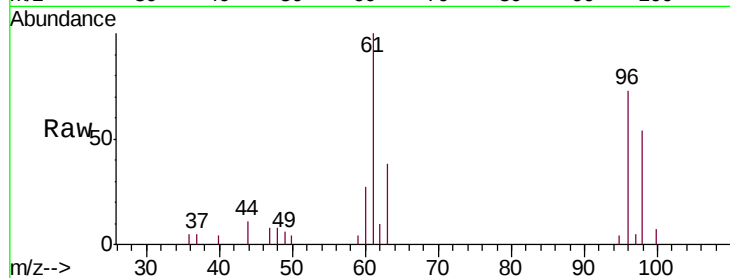
Tgt Ion: 96 Resp: 3901

Ion Ratio Lower Upper

96 100

61 137.6 100.9 187.5

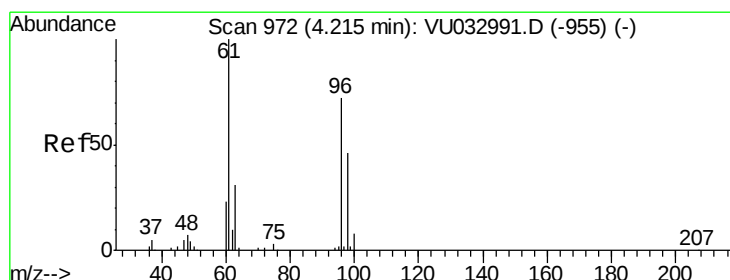
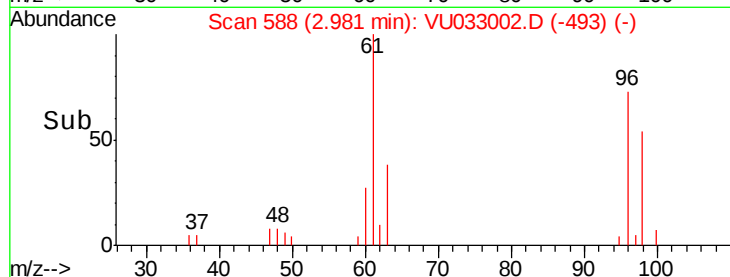
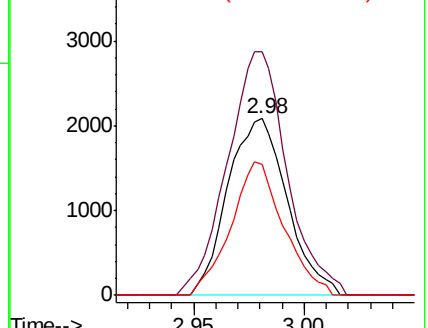
98 74.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032991.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032991.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032991.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 72.907 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

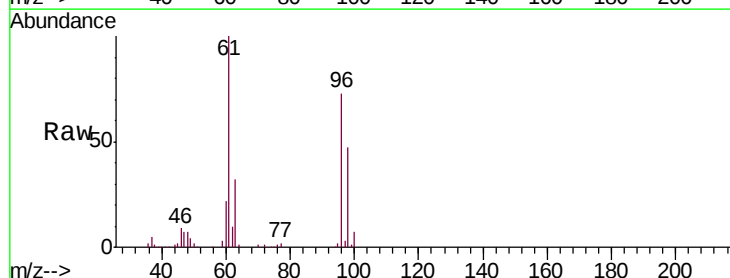
Tgt Ion: 96 Resp: 102650

Ion Ratio Lower Upper

96 100

61 136.1 92.4 171.6

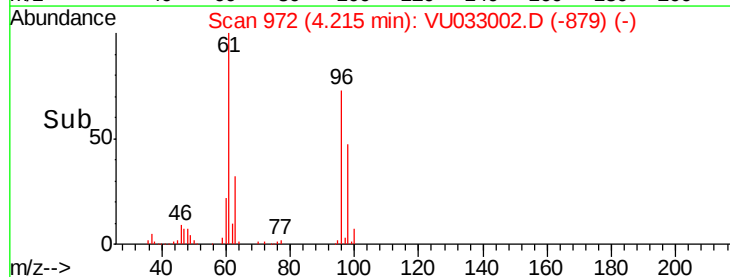
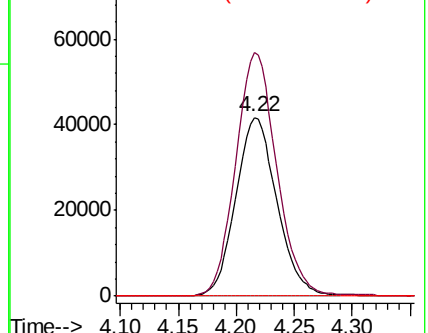
68 0.0 0.0 0.0

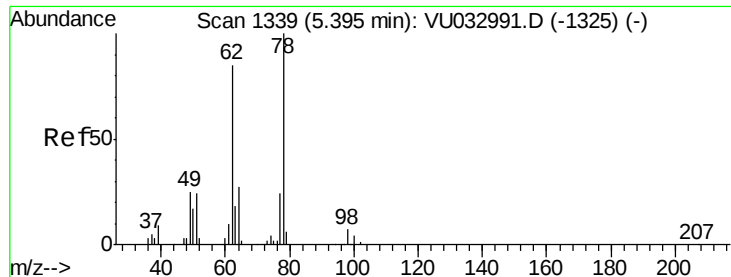


Abundance Ion 96.00 (95.70 to 96.70): VU032991.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU032991.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU032991.D (-955) (-)





#27

1,2-Dichloroethane

Concen: 1.376 ug/L

RT: 5.38 min Scan# 1333

Delta R.T. -0.02 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

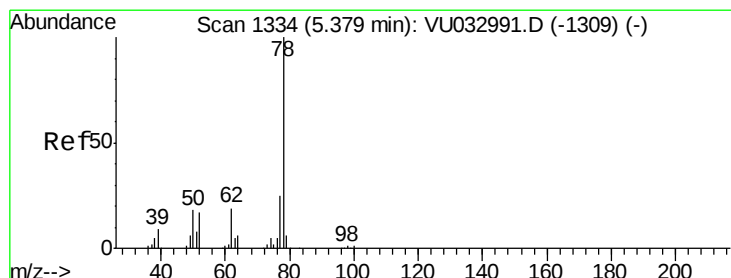
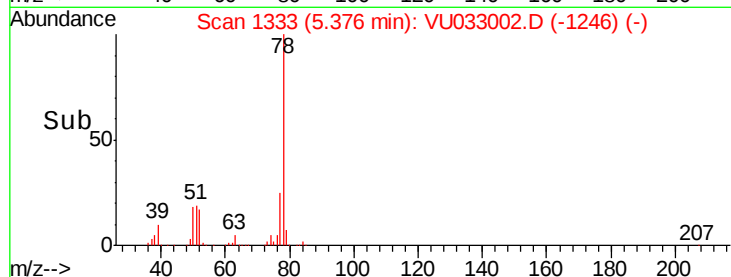
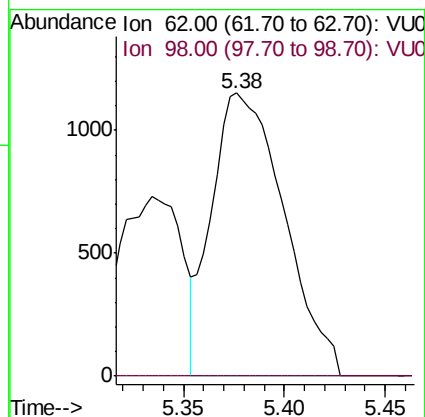
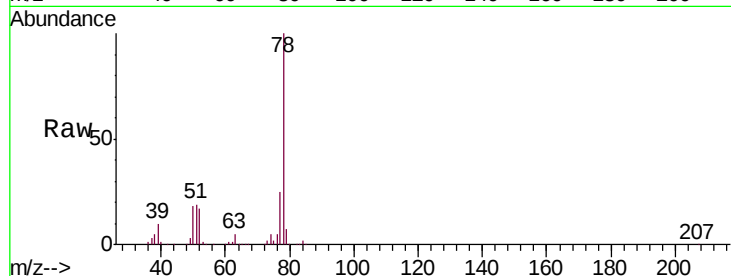
ETF22MSD

Tgt Ion: 62 Resp: 2873

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#33

Benzene

Concen: 51.811 ug/L

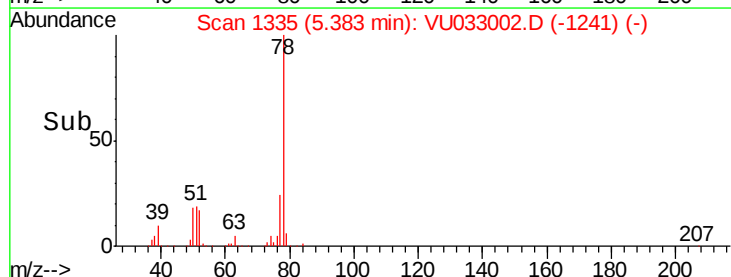
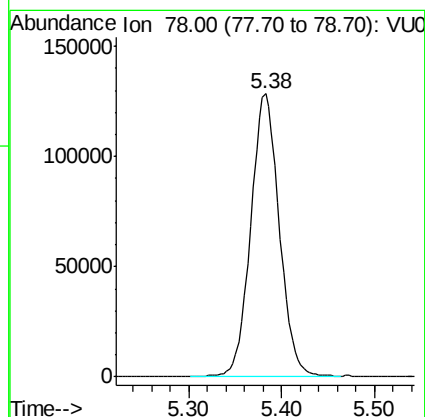
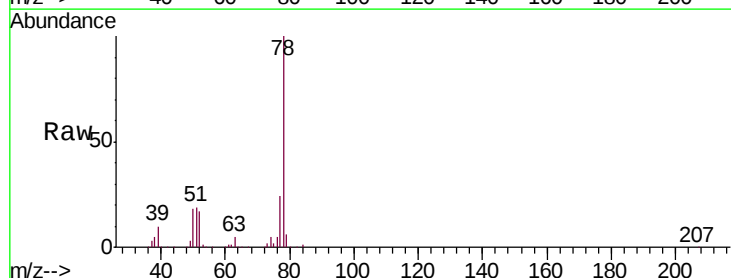
RT: 5.38 min Scan# 1335

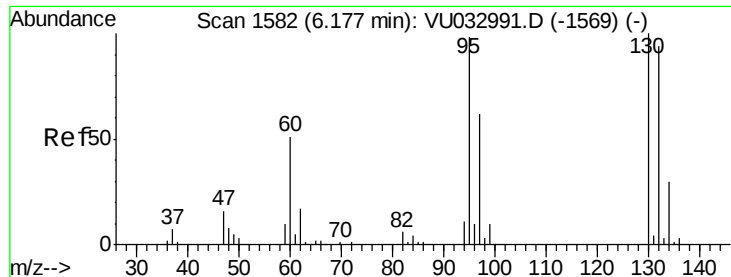
Delta R.T. 0.00 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Tgt Ion: 78 Resp: 275368





#34

Trichloroethene

Concen: 65.456 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

ETF22MSD

Tgt Ion: 95 Resp: 92951

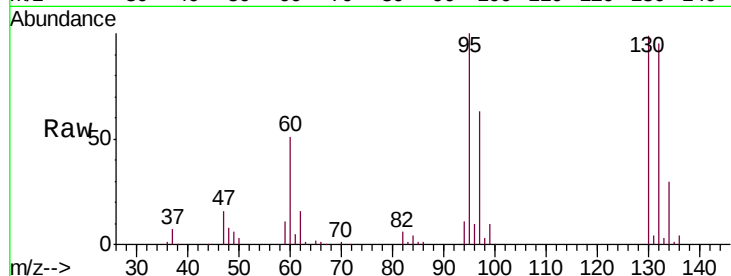
Ion Ratio Lower Upper

95 100

97 63.1 45.9 85.3

132 95.5 68.5 127.3

130 99.3 70.8 131.4

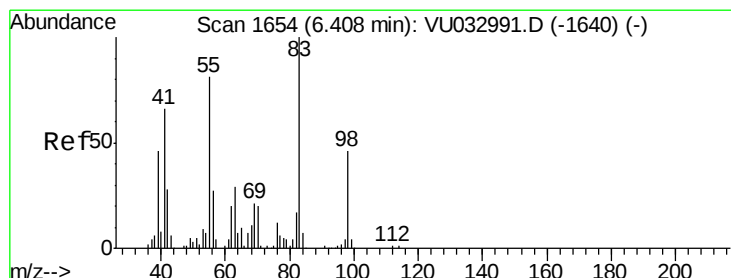
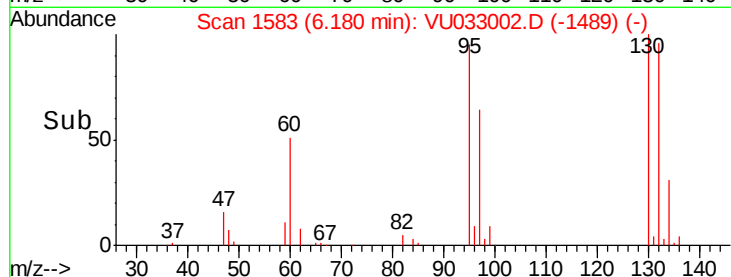
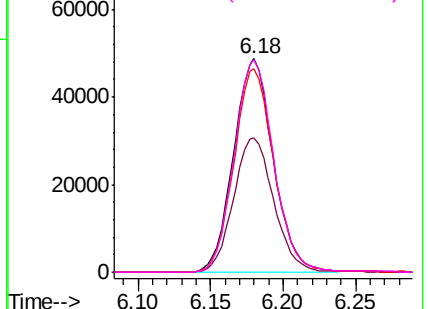


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 8.628 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

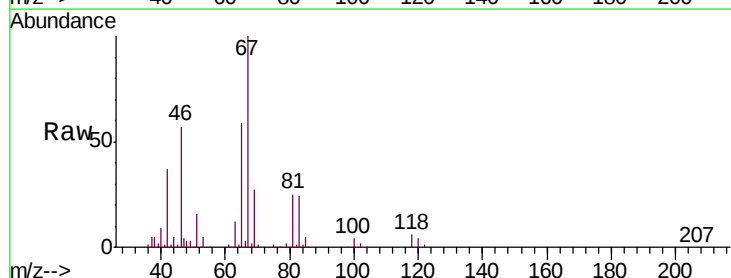
Tgt Ion: 83 Resp: 18938

Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

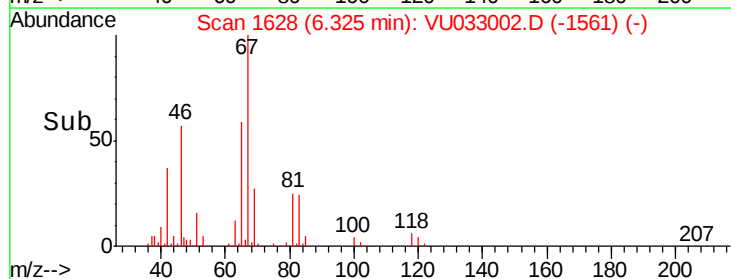
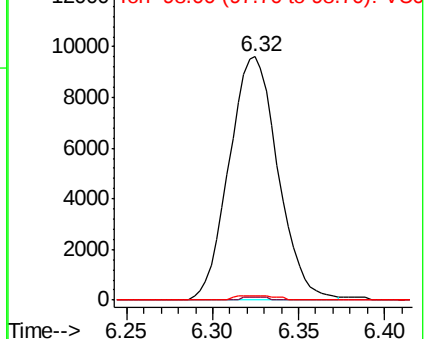
98 0.0 37.4 56.0#

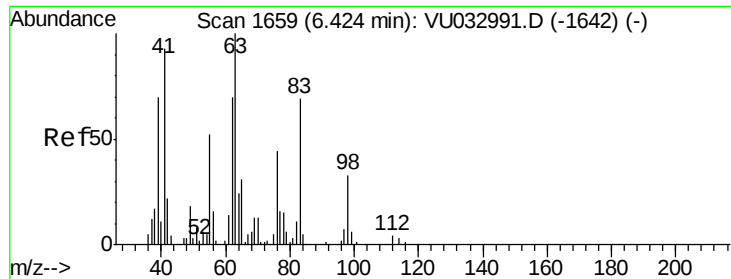


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

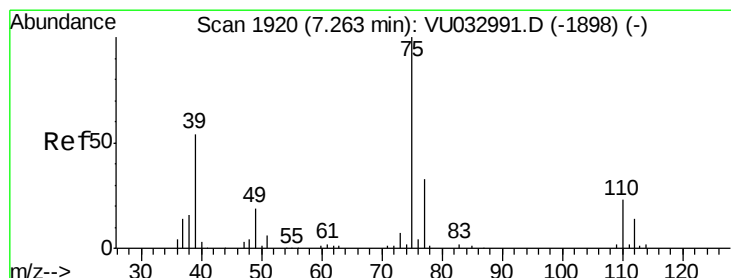
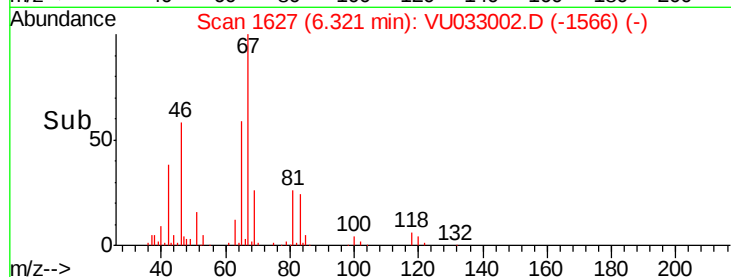
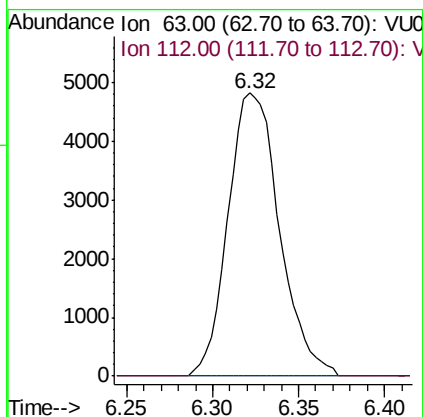
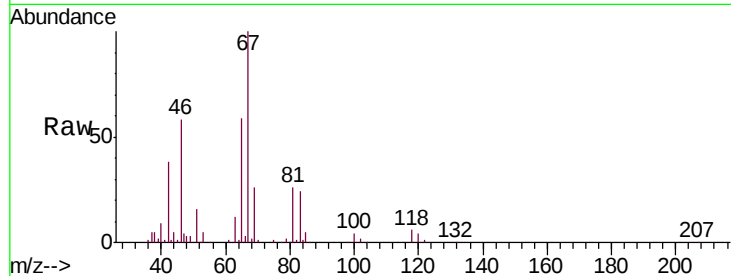




#37
 1,2-Dichloropropane
 Concen: 6.865 ug/L
 RT: 6.32 min Scan# 1627
 Delta R.T. -0.10 min
 Lab File: VU033002.D
 Acq: 24 Jun 2019 13:13

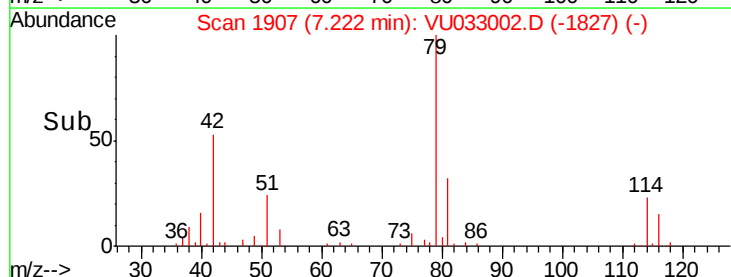
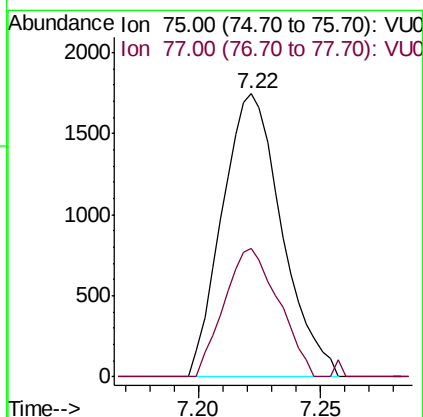
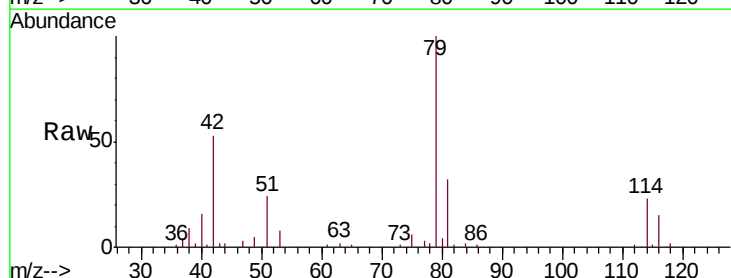
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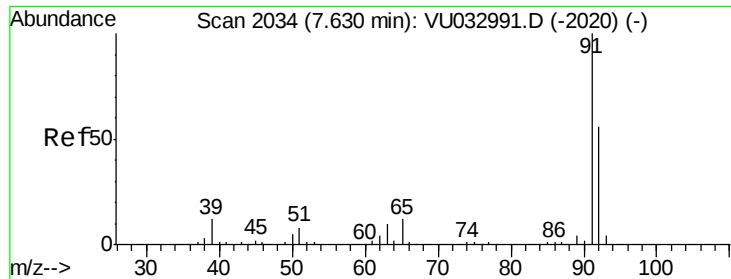
Tgt Ion: 63 Resp: 10009
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.305 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033002.D
 Acq: 24 Jun 2019 13:13

Tgt Ion: 75 Resp: 2965
 Ion Ratio Lower Upper
 75 100
 77 45.6 21.9 40.7#





#42

Toluene

Concen: 51.258 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033002.D

Acq: 24 Jun 2019 13:13

Instrument :

MSVOA_U

ClientSampleId :

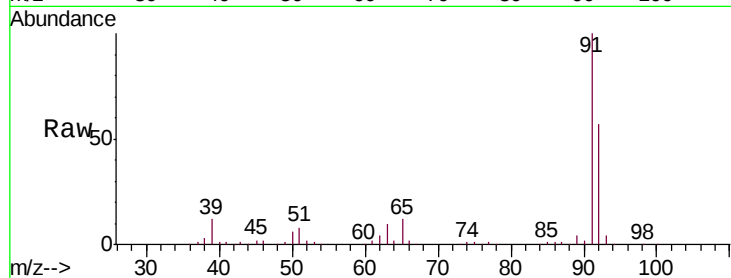
ETF22MSD

Tgt Ion: 91 Resp: 294758

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032991.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032991.D (-2020) (-)

7.63

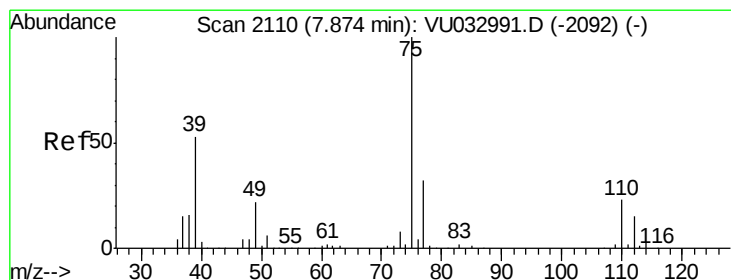
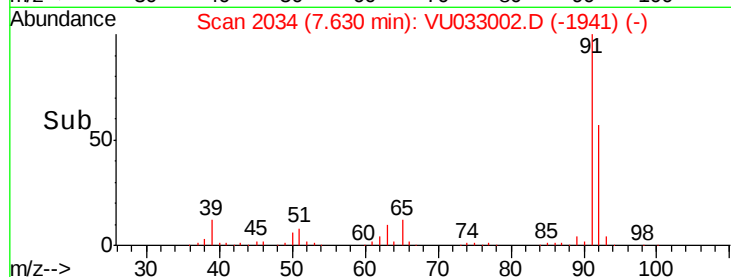
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.968 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033002.D

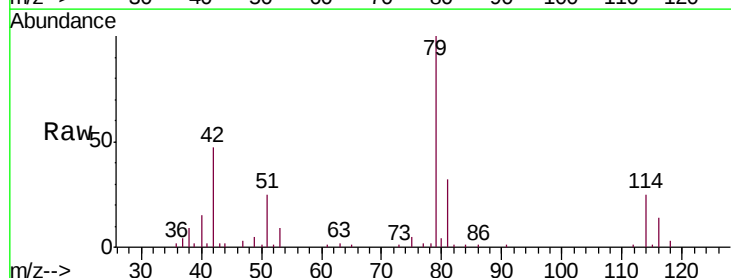
Acq: 24 Jun 2019 13:13

Tgt Ion: 75 Resp: 2066

Ion Ratio Lower Upper

75 100

77 34.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032991.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032991.D (-2092) (-)

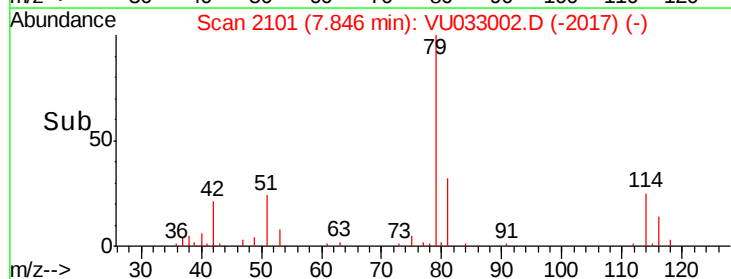
7.85

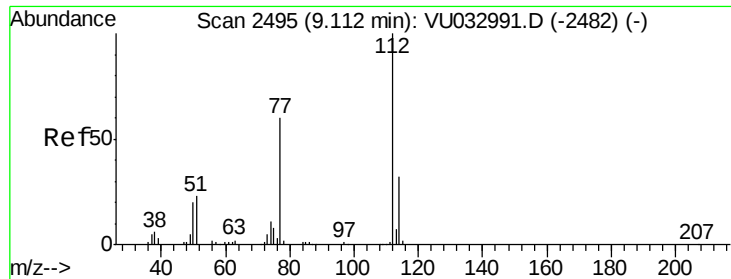
1000

500

0

Time-->

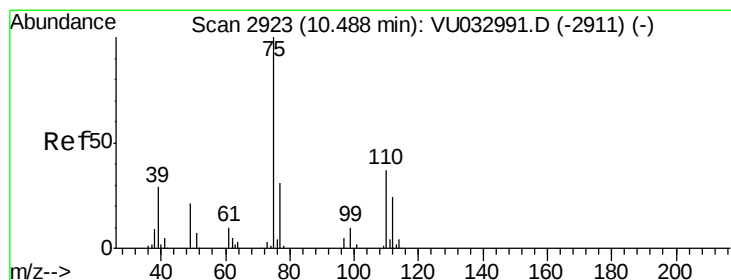
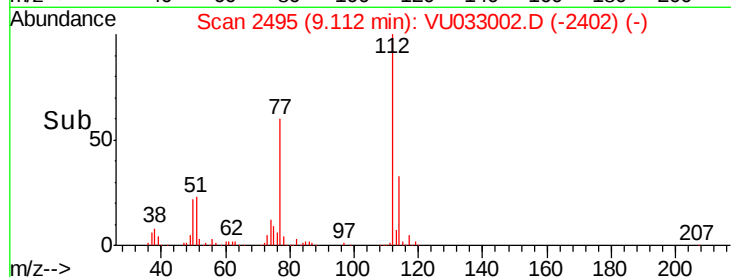
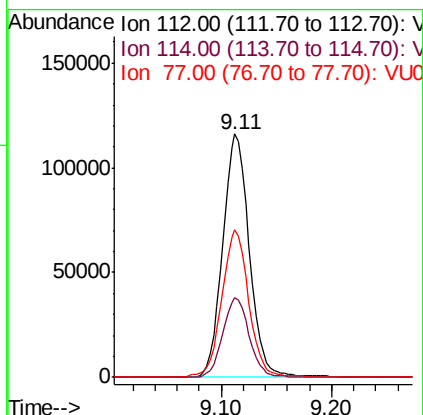
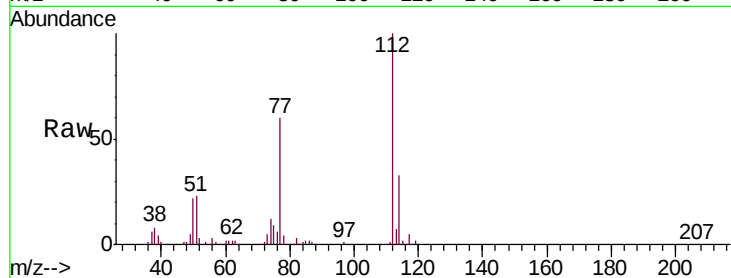




#51
Chlorobenzene
Concen: 51.364 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033002.D
Acq: 24 Jun 2019 13:13

Instrument :
MSVOA_U
ClientSampleId :
ETF22MSD

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.8	42.4
77	60.5	46.3	69.5



#59
1,2,3-Trichloropropane
Concen: 6.095 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033002.D
Acq: 24 Jun 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.6	25.5	38.3

