

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 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 06:37:52 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

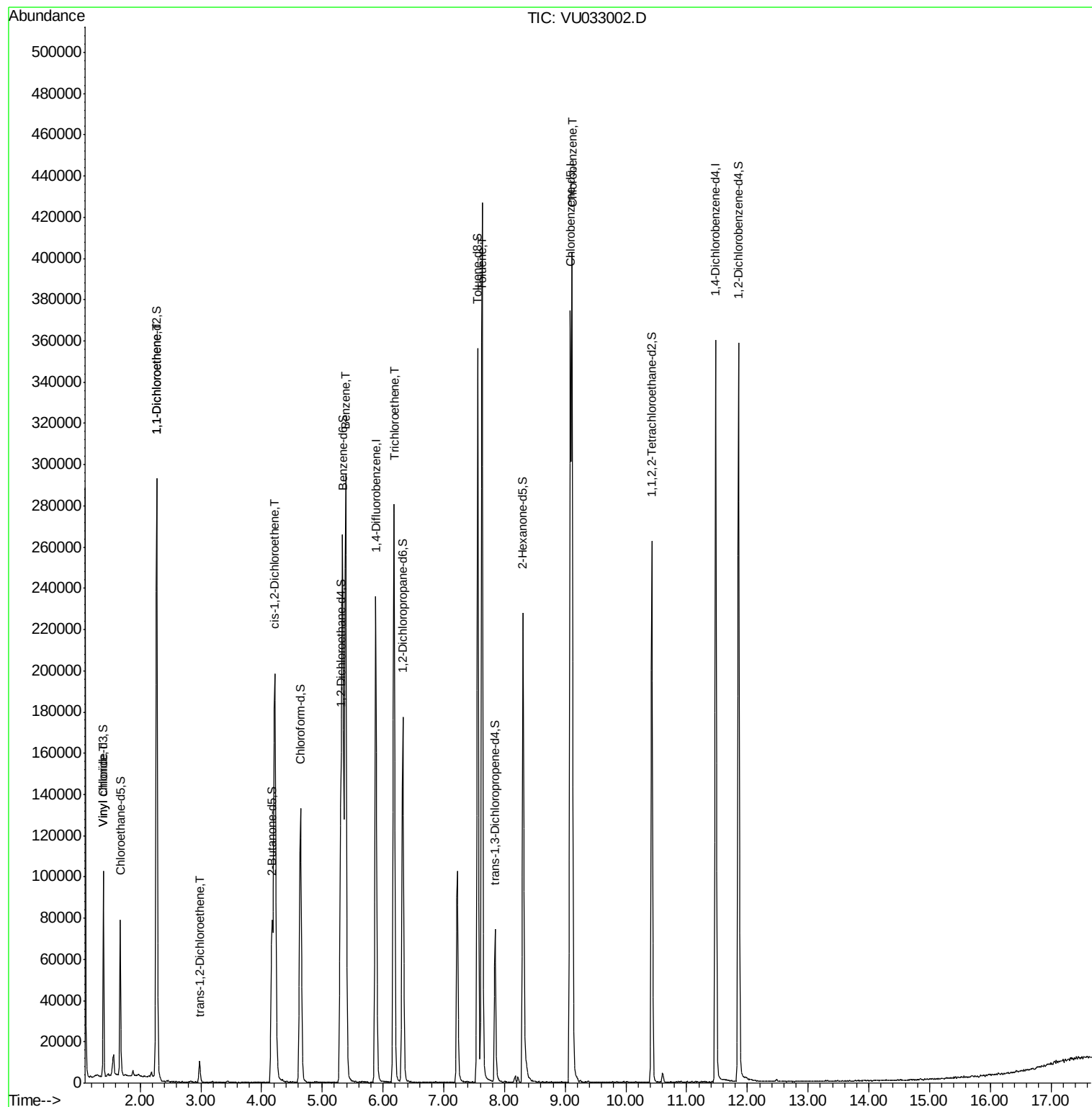
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	3652	2.125	ug/L	# 63
12) 1,1-Dichloroethene	2.28	96	57858	48.546	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	3901	3.018	ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	102650	72.907	ug/L	97
33) Benzene	5.38	78	275368	51.811	ug/L	100
34) Trichloroethene	6.18	95	92951	65.456	ug/L	98
42) Toluene	7.63	91	294758	51.258	ug/L	99
51) Chlorobenzene	9.11	112	194366	51.364	ug/L	98

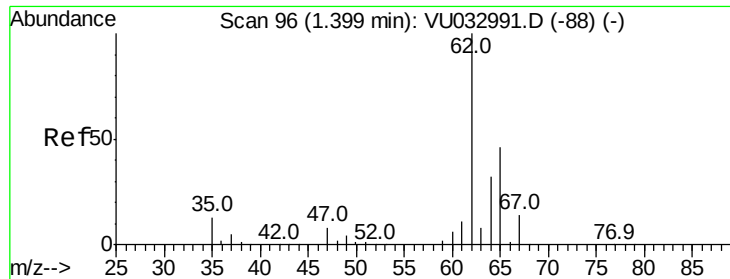
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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Acq: 24 Jun 2019 13:13

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MSVOA_U

ClientSampleId :

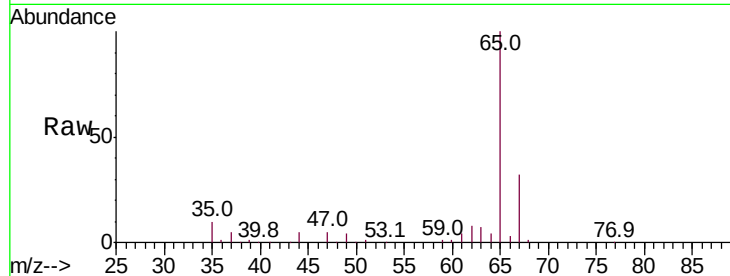
ETF22MSD

Tot Ion: 62 Resp: 3652

Ion Ratio Lower Upper

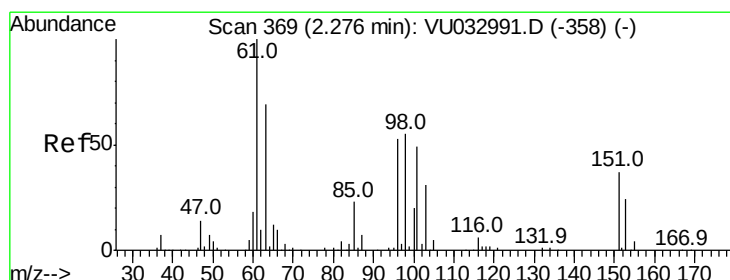
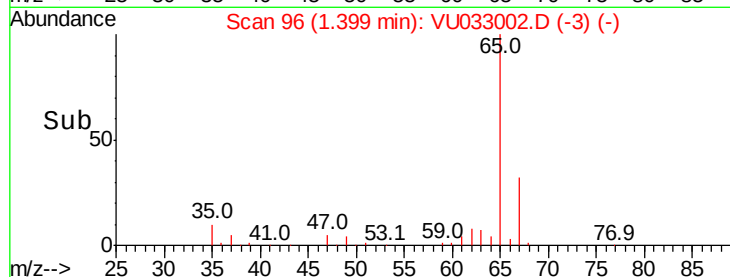
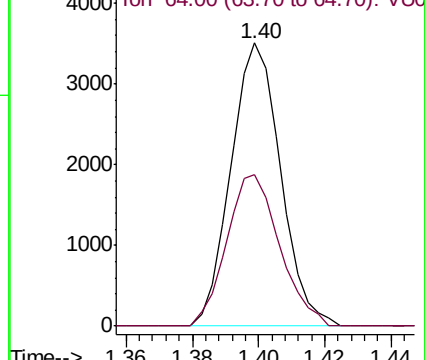
62 100

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) (-)



#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

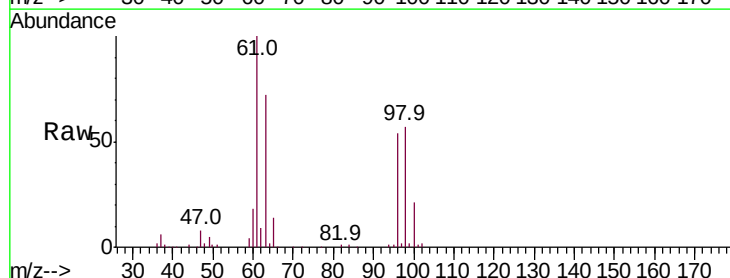
Tgt Ion: 96 Resp: 57858

Ion Ratio Lower Upper

96 100

61 184.6 131.0 243.4

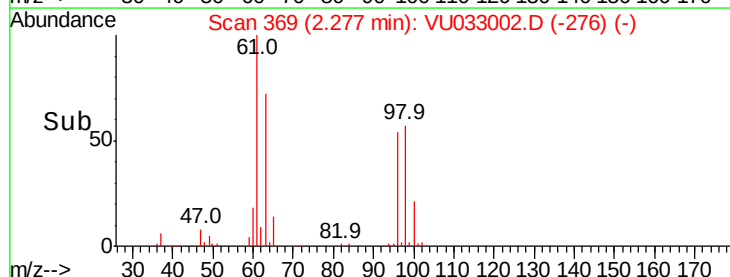
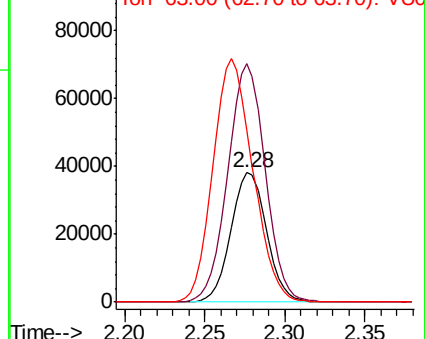
63 132.8 101.0 187.6

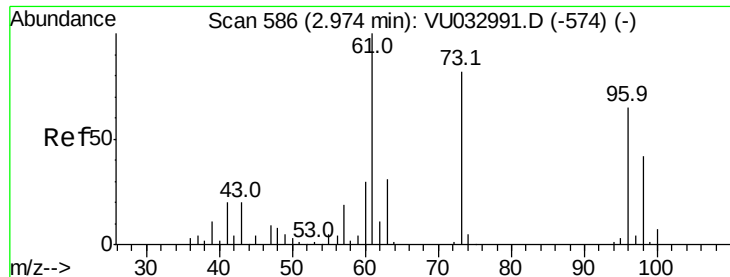


Abundance Ion 96.00 (95.70 to 96.70): VU033002.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU033002.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU033002.D (-276) (-)





#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

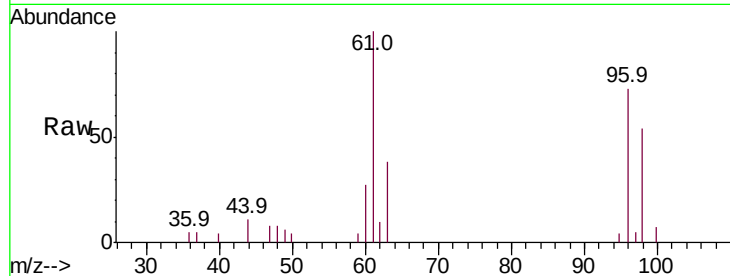
Tot Ion: 96 Resp: 3901

Ion Ratio Lower Upper

96 100

61 137.6 100.9 187.5

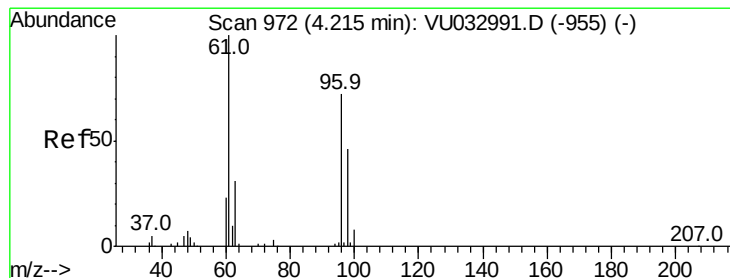
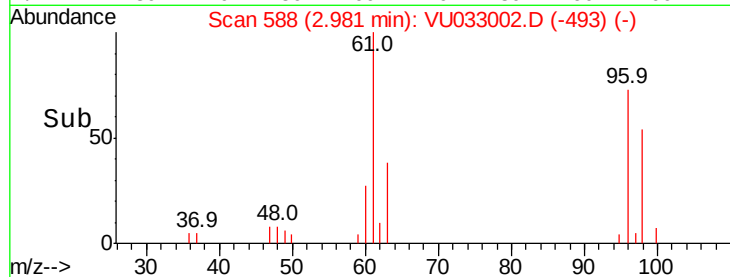
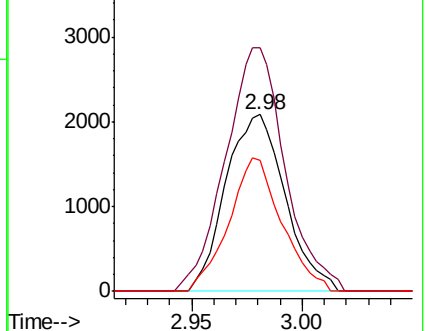
98 74.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#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

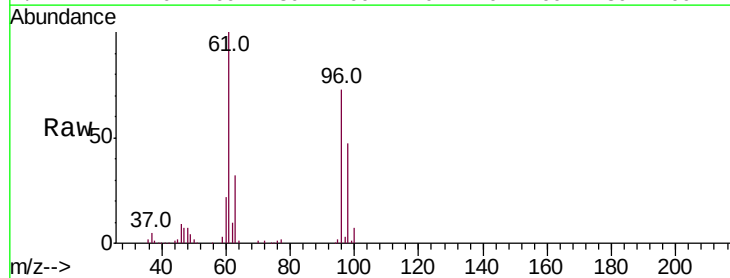
Tgt Ion: 96 Resp: 102650

Ion Ratio Lower Upper

96 100

61 136.1 92.4 171.6

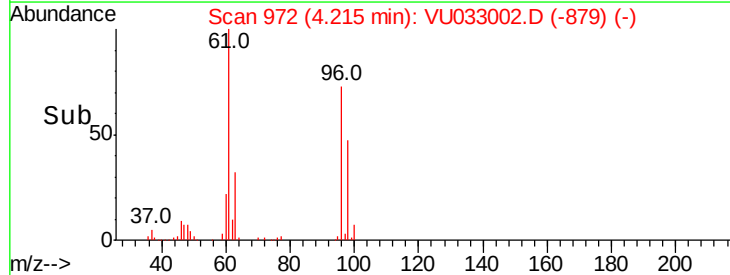
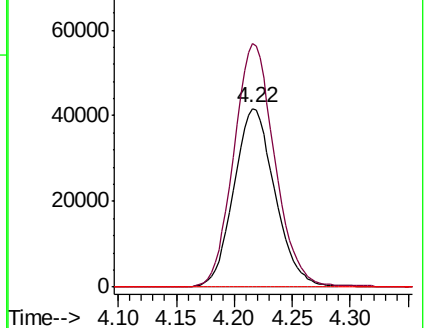
68 0.0 0.0 0.0

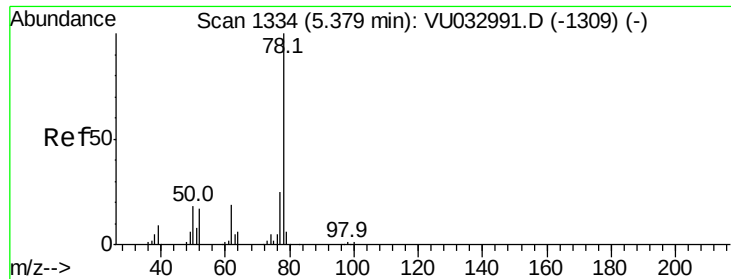


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 51.811 ug/L

RT: 5.38 min Scan# 1335

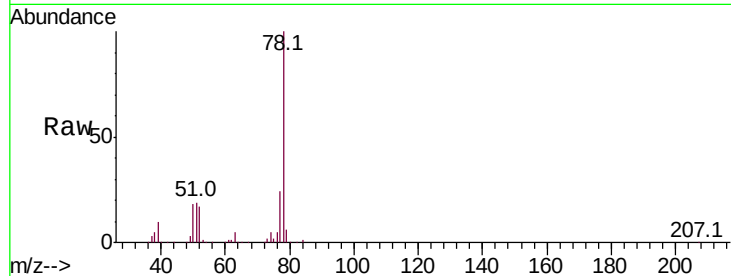
Delta R.T. 0.00 min

Lab File: VU033002.D

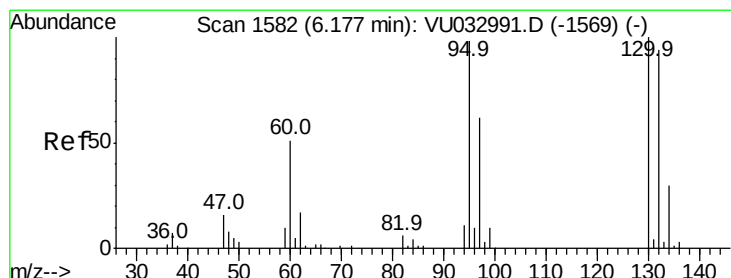
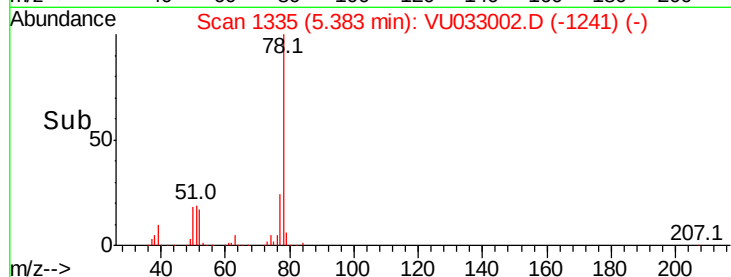
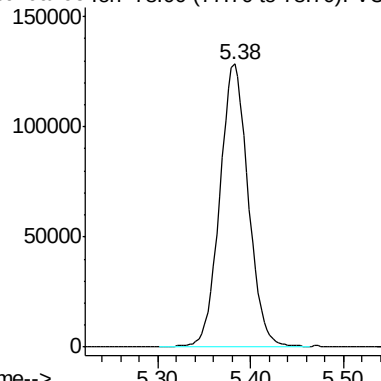
Acq: 24 Jun 2019 13:13

Instrument :
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ETF22MSD

Tgt Ion: 78 Resp: 275368



Abundance Ion 78.00 (77.70 to 78.70): VU0



#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

Tgt Ion: 95 Resp: 92951

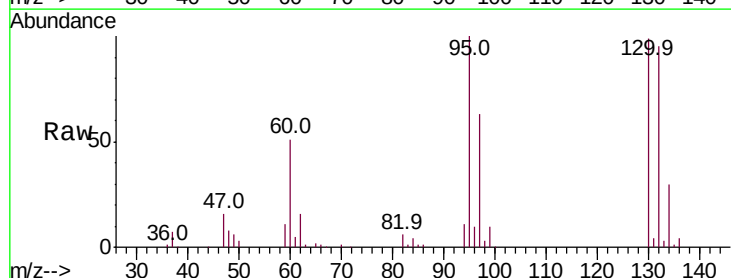
Ion Ratio Lower Upper

95 100

97 63.1 45.9 85.3

132 95.5 68.5 127.3

130 99.3 70.8 131.4

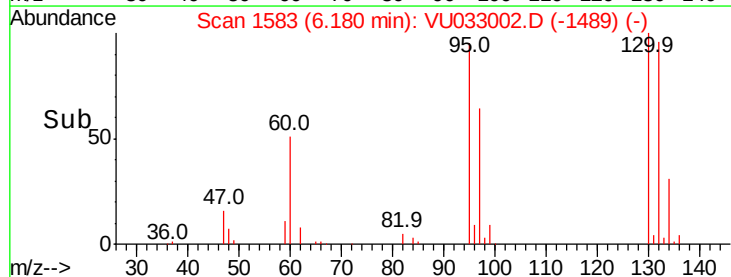
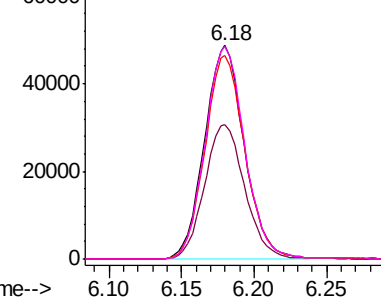


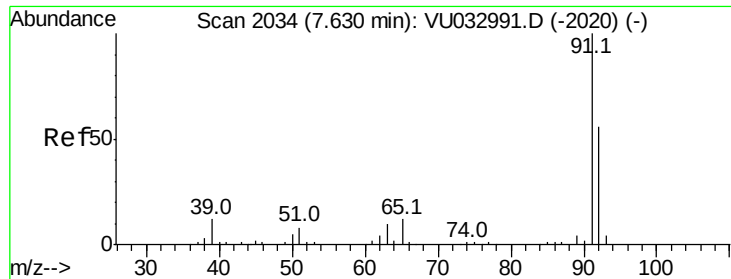
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#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 :

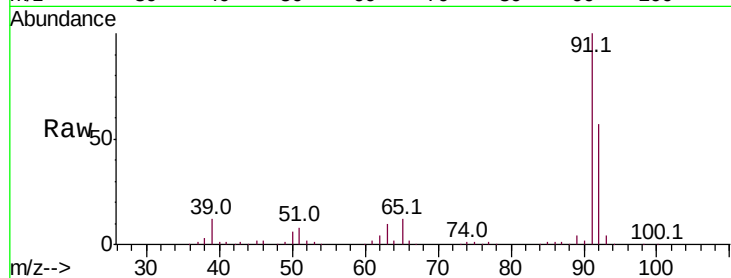
ETF22MSD

Tot 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): VU033002.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU033002.D (-1941) (-)

7.63

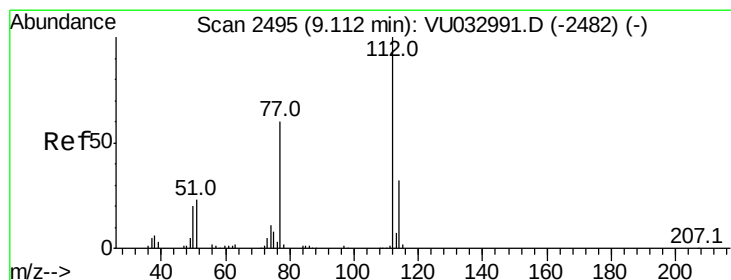
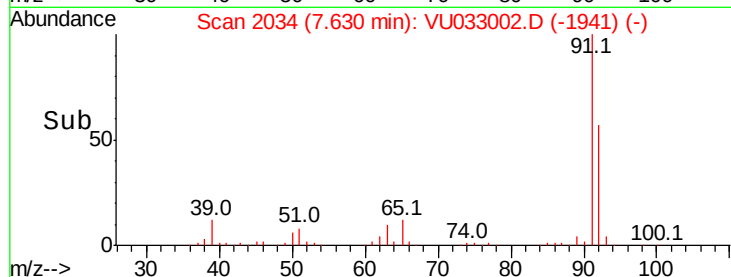
150000

100000

50000

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

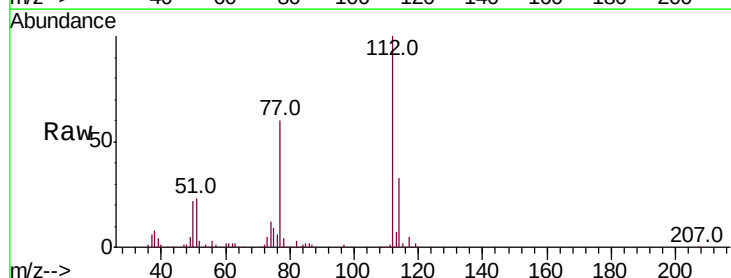
Tgt Ion: 112 Resp: 194366

Ion Ratio Lower Upper

112 100

114 32.8 22.8 42.4

77 60.5 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): VU033002.D (-2402) (-)

Ion 114.00 (113.70 to 114.70): VU033002.D (-2402) (-)

Ion 77.00 (76.70 to 77.70): VU033002.D (-2402) (-)

9.11

150000

100000

50000

0

Time-->

