

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
 Data File : VU032849.D
 Acq On : 19 Jun 2019 11:34
 Operator : JC/SP
 Sample : K3413-22MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GALG8MSD

Quant Time: Jun 20 05:58:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	105019	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	101703	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53036	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30371	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.68	69	25777	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.27	63	65012	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.18	46	103345	54.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.46%
24) Chloroform-d	4.64	84	63537	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.31	65	36988	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.80%
32) Benzene-d6	5.33	84	123285	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.32	67	39392	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.56	98	113174	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.85	79	16861	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.31	63	79982	47.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	34462	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	48585	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

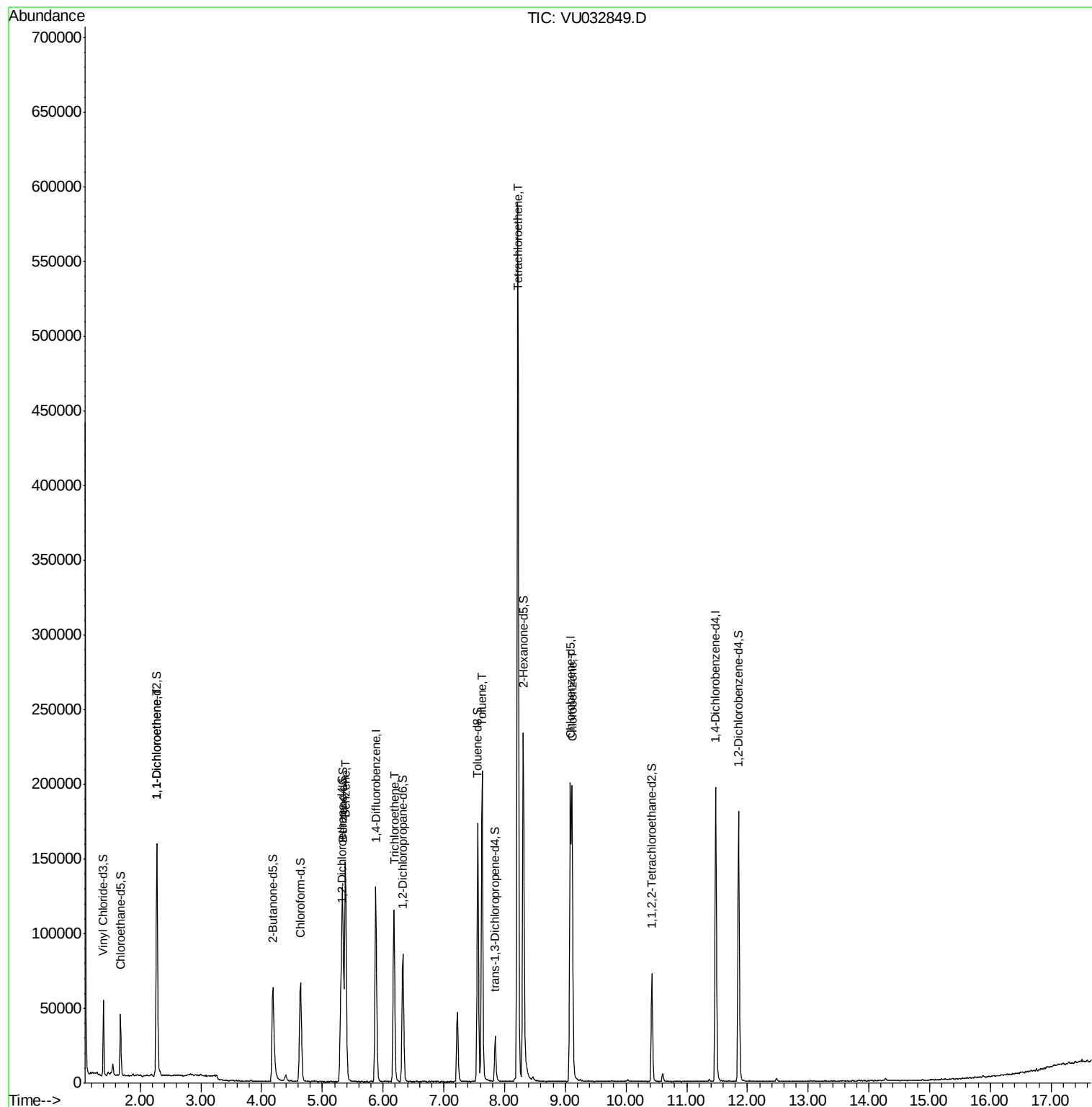
					Ovalue
12) 1,1-Dichloroethene	2.28	96	28861	4.325 ug/L	92
33) Benzene	5.38	78	137169	4.575 ug/L	100
34) Trichloroethene	6.18	95	38825	4.501 ug/L	98
42) Toluene	7.63	91	145318	4.348 ug/L	99
47) Tetrachloroethene	8.22	164	125370	18.471 ug/L	97
51) Chlorobenzene	9.11	112	98466	4.699 ug/L	98

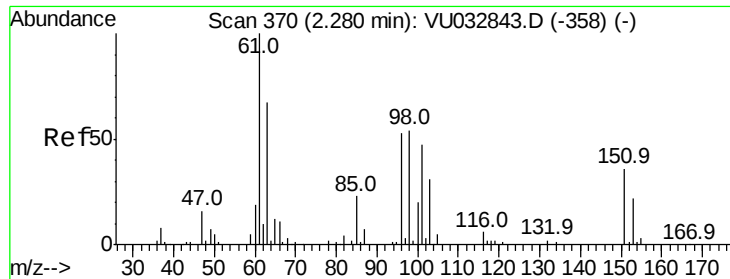
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.325 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

GALG8MSD

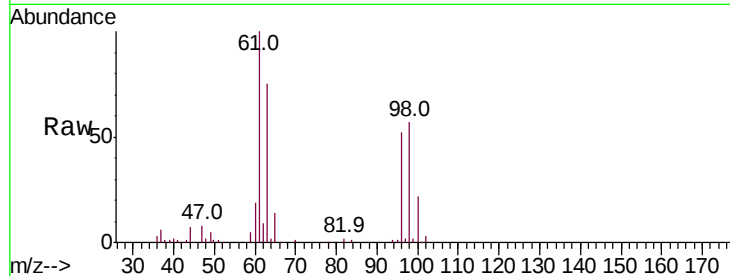
Tot Ion: 96 Resp: 28861

Ion Ratio Lower Upper

96 100

61 193.9 131.8 244.8

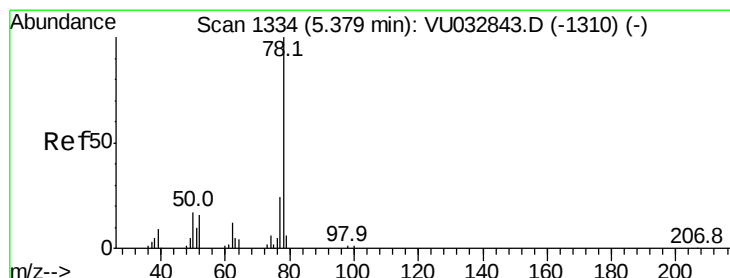
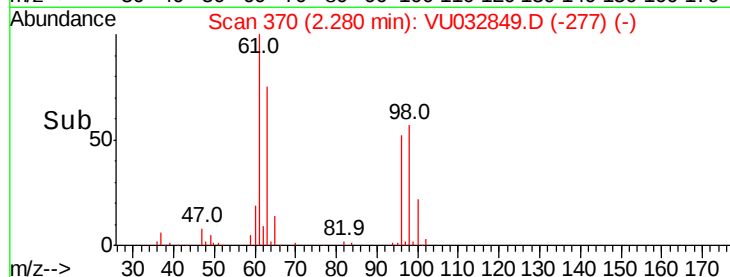
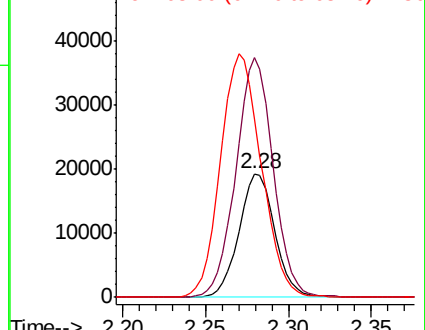
63 144.8 90.1 167.3



Abundance Ion 96.00 (95.70 to 96.70): VU032849.D (-277) (-)

Ion 61.05 (60.75 to 61.75): VU032849.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU032849.D (-277) (-)



#33

Benzene

Concen: 4.575 ug/L

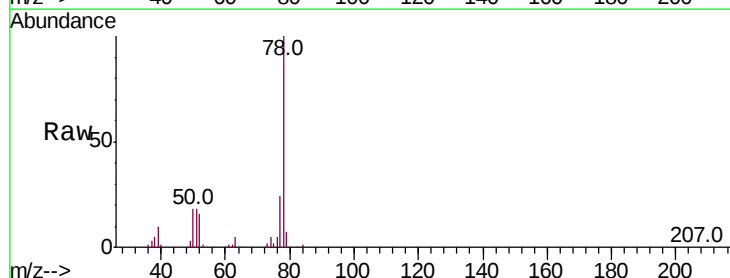
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

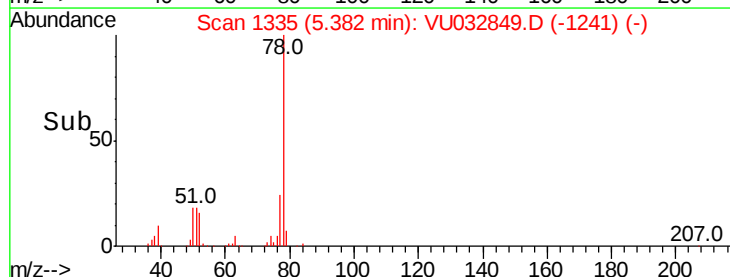
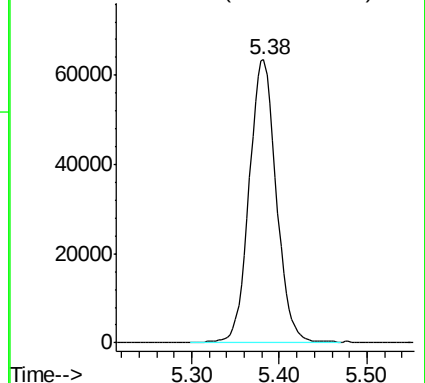
Lab File: VU032849.D

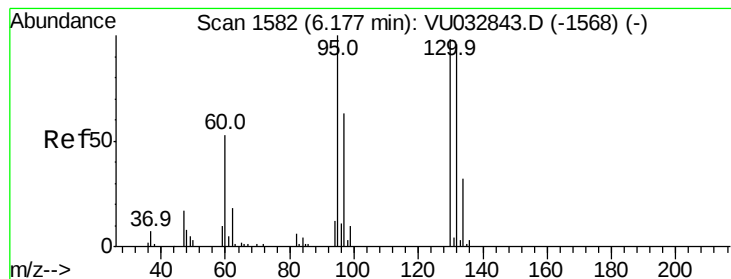
Acq: 19 Jun 2019 11:34

Tgt Ion: 78 Resp: 137169



Abundance Ion 78.10 (77.80 to 78.80): VU032849.D (-1241) (-)





#34

Trichloroethene

Concen: 4.501 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

GALG8MSD

Tot Ion: 95 Resp: 38825

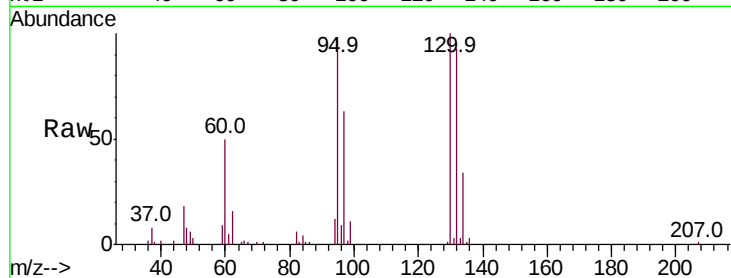
Ion Ratio Lower Upper

95 100

97 64.0 44.1 81.9

132 95.1 68.8 127.8

130 102.2 71.0 131.8

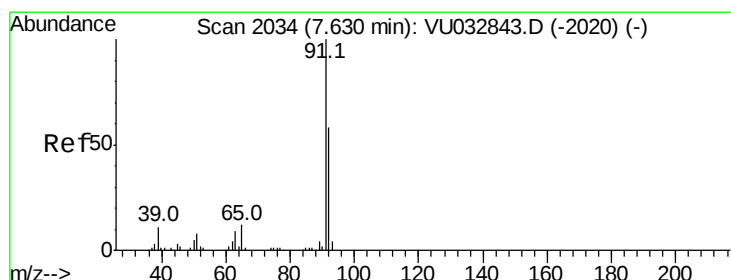
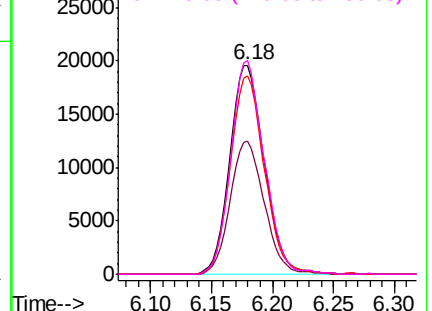
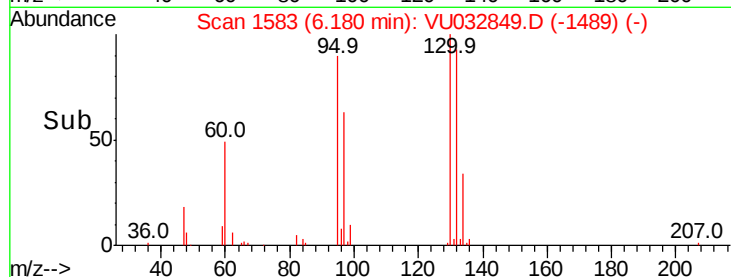


Abundance Ion 95.00 (94.70 to 95.70): VU032849.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU032849.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU032849.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU032849.D (-1568) (-)



#42

Toluene

Concen: 4.348 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032849.D

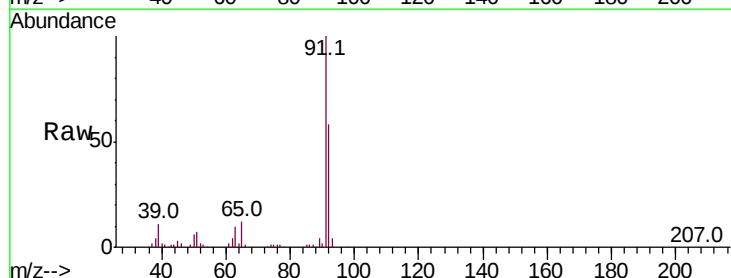
Acq: 19 Jun 2019 11:34

Tgt Ion: 91 Resp: 145318

Ion Ratio Lower Upper

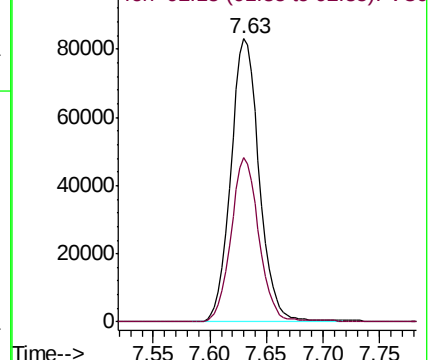
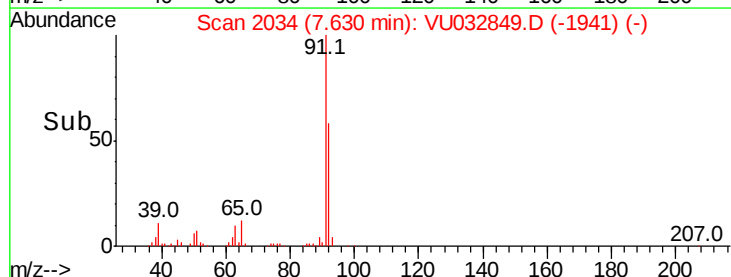
91 100

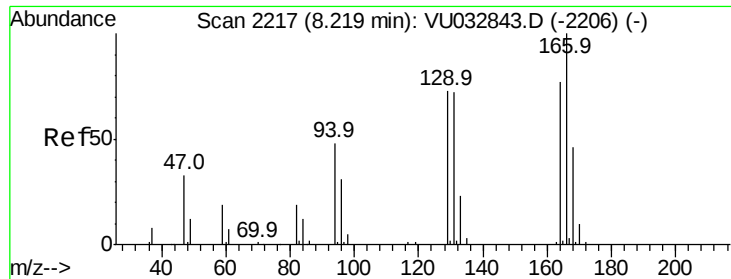
92 58.0 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032849.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032849.D (-1941) (-)

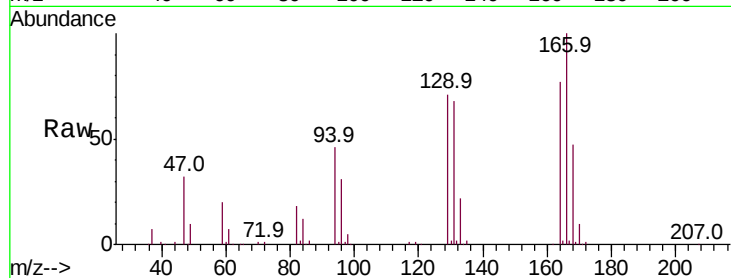




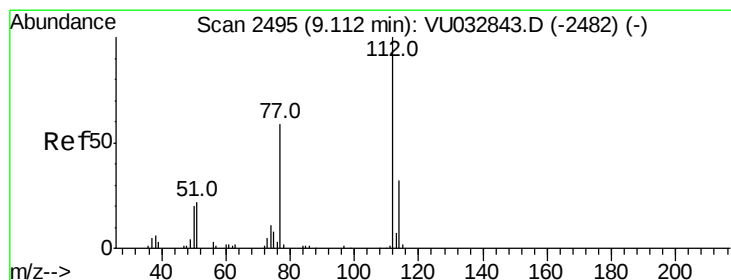
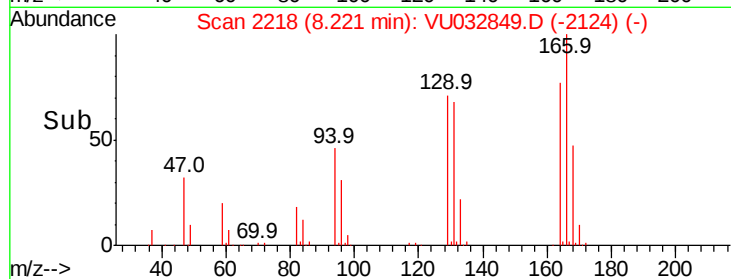
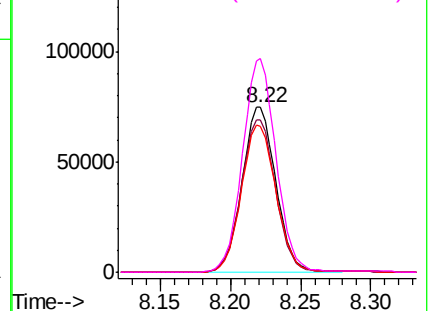
#47
Tetrachloroethene
Concen: 18.471 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Instrument :
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GALG8MSD

Tot Ion:164 Resp: 125370
Ion Ratio Lower Upper
164 100
129 92.2 66.1 122.7
131 88.7 65.6 121.8
166 129.6 93.2 173.2

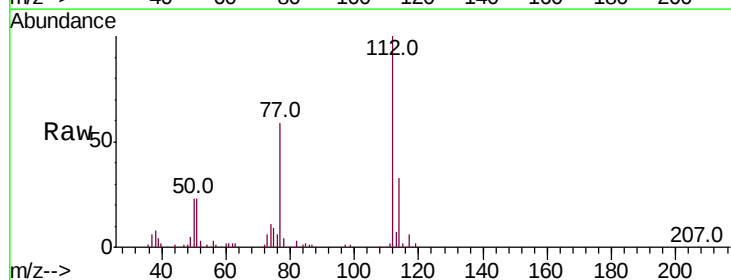


Abundance Ion 163.90 (163.60 to 164.60): V
150000
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#51
Chlorobenzene
Concen: 4.699 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Tgt Ion:112 Resp: 98466
Ion Ratio Lower Upper
112 100
114 32.8 22.4 41.6
77 59.3 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
60000
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU

