

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 05:17:43 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

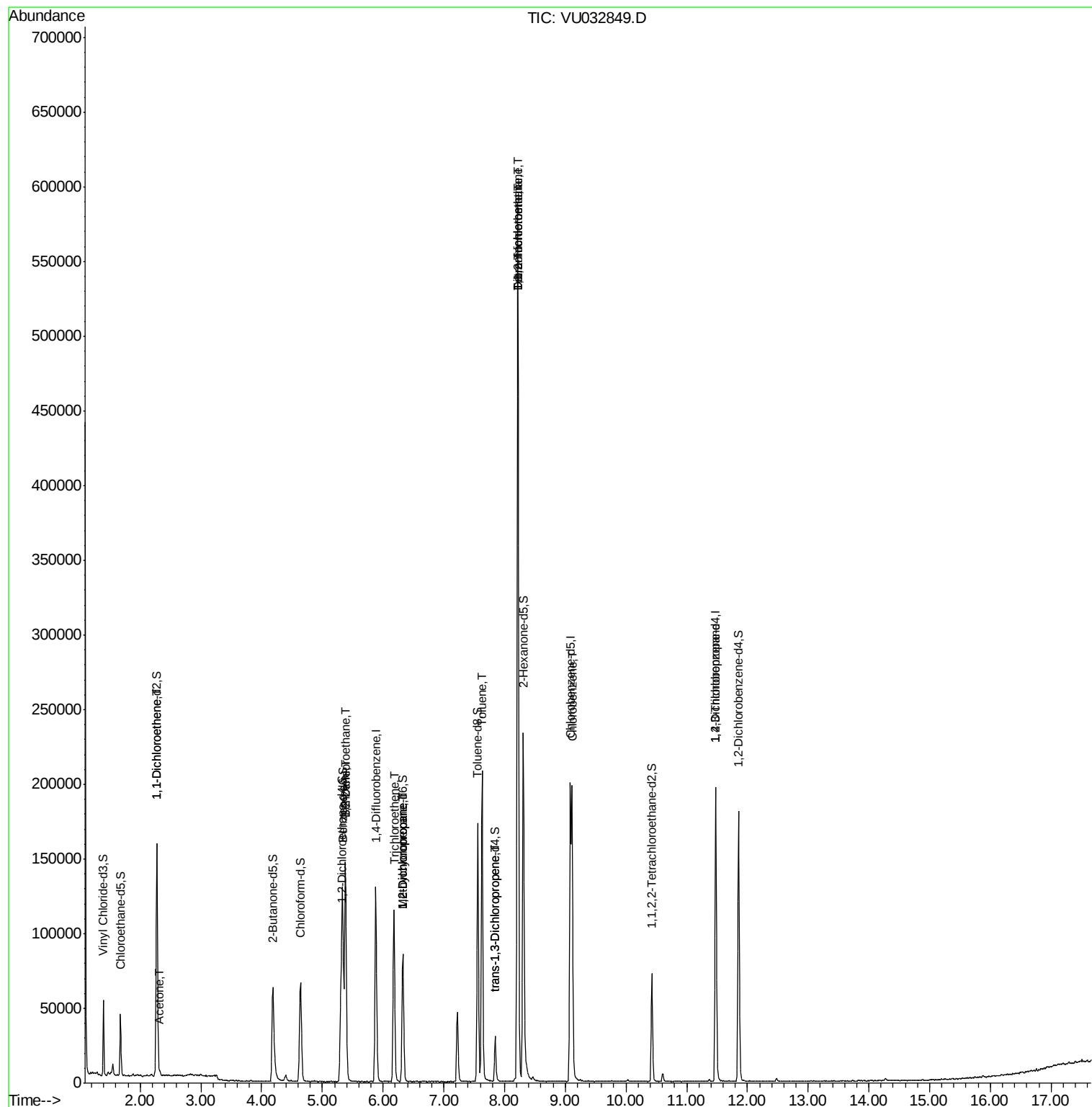
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	28861	4.325	ug/L	92
13) Acetone	2.32	43	1856	1.255	ug/L	93
27) 1,2-Dichloroethane	5.38	62	1153	0.133	ug/L #	76
33) Benzene	5.38	78	137169	4.575	ug/L	100
34) Trichloroethene	6.18	95	38825	4.501	ug/L	98
35) Methylcyclohexane	6.32	83	9377	0.676	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	4773	0.615	ug/L #	89
42) Toluene	7.63	91	145318	4.348	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	761	0.080	ug/L #	73
45) 1,1,2-Trichloroethane	8.22	97	1038	0.184	ug/L #	7
47) Tetrachloroethene	8.22	164	125370	18.471	ug/L	97
49) Dibromochloromethane	8.22	129	118068	16.354	ug/L #	11
51) Chlorobenzene	9.11	112	98466	4.699	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	6392	1.255	ug/L #	82

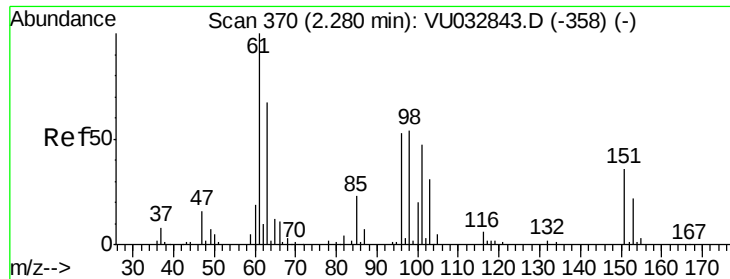
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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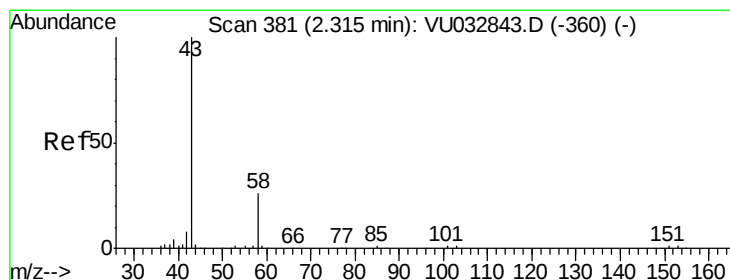
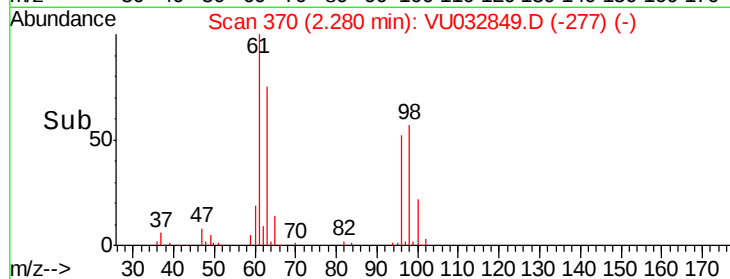
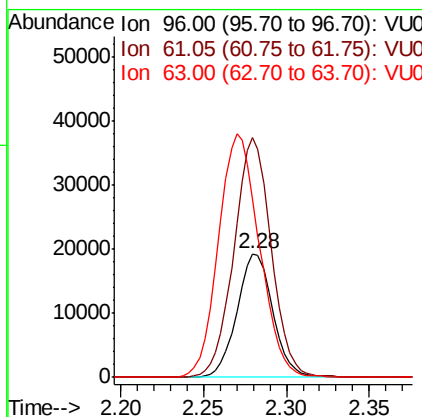
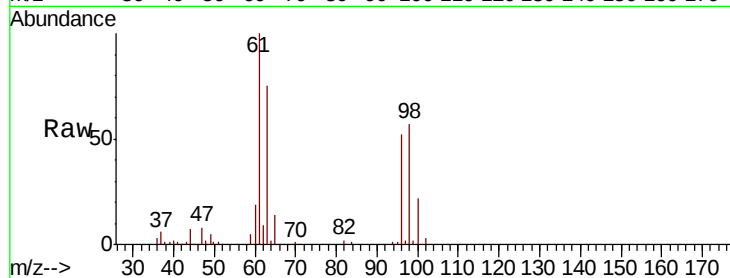




#12
 1,1-Dichloroethene
 Concen: 4.325 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VU032849.D
 Acq: 19 Jun 2019 11:34

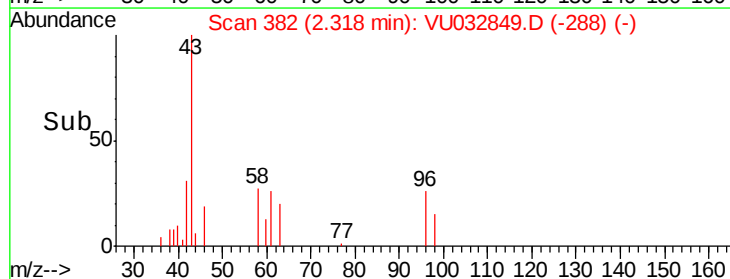
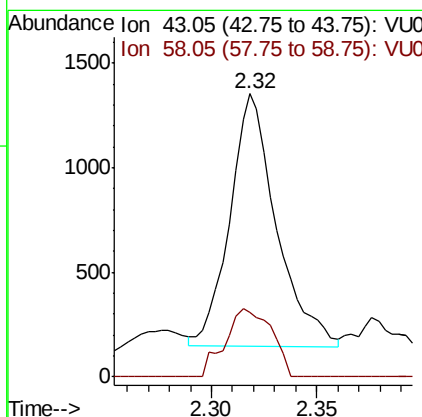
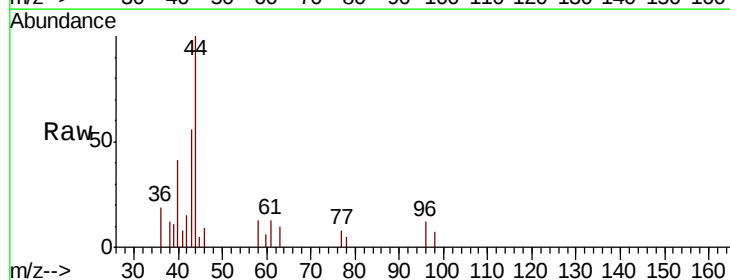
Instrument :
 MSVOA_U
 ClientSampleId :
 GALG8MSD

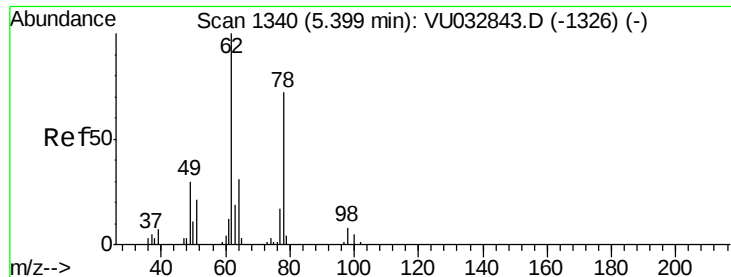
Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.9	131.8	244.8
63	144.8	90.1	167.3



#13
 Acetone
 Concen: 1.255 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032849.D
 Acq: 19 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.6	0.0	60.8





#27

1,2-Dichloroethane

Concen: 0.133 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

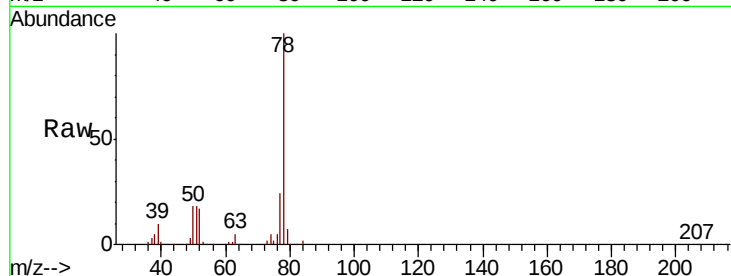
GALG8MSD

Tgt Ion: 62 Resp: 1153

Ion Ratio Lower Upper

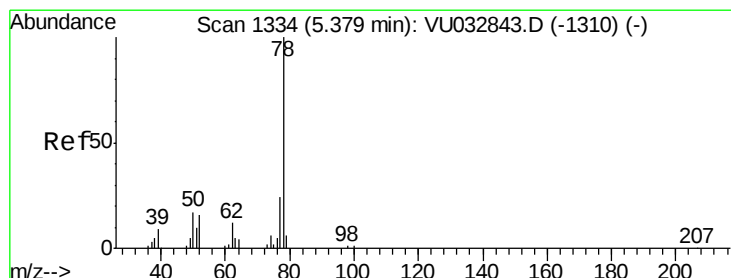
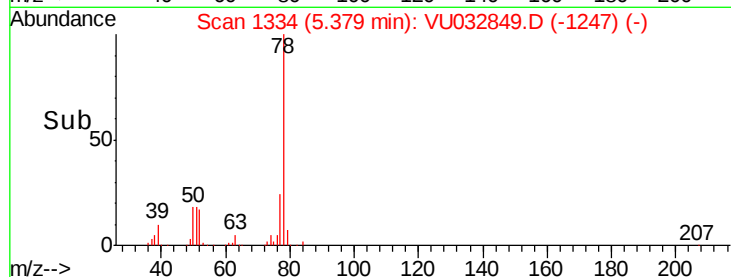
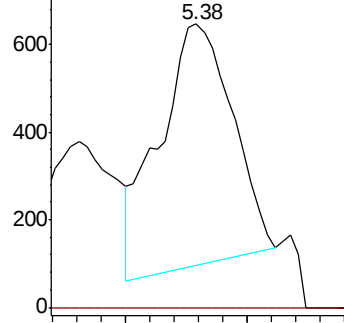
62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 4.575 ug/L

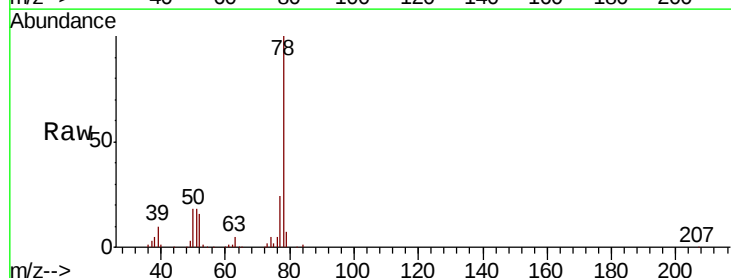
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

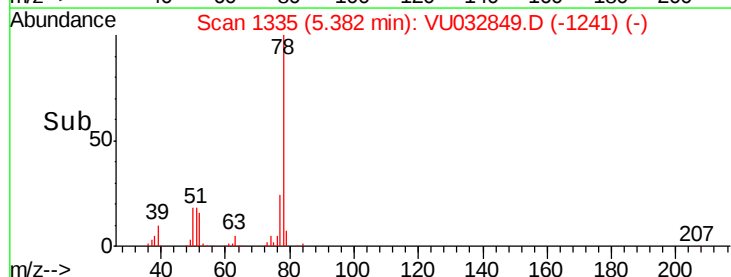
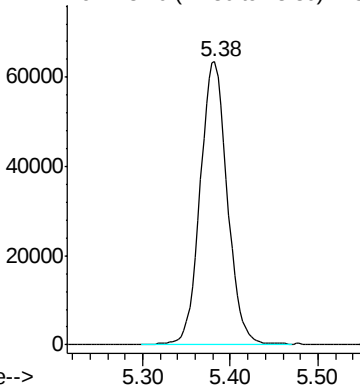
Lab File: VU032849.D

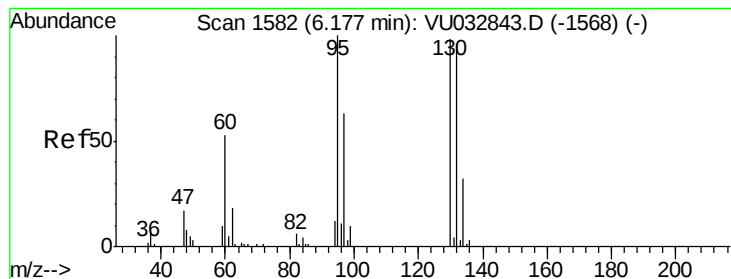
Acq: 19 Jun 2019 11:34

Tgt Ion: 78 Resp: 137169



Abundance Ion 78.10 (77.80 to 78.80): VU0





#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

Tgt Ion: 95 Resp: 38825

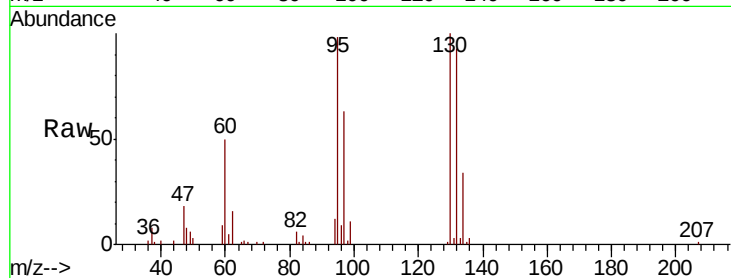
Ion Ratio Lower Upper

95 100

97 64.0 44.1 81.9

132 95.1 68.8 127.8

130 102.2 71.0 131.8

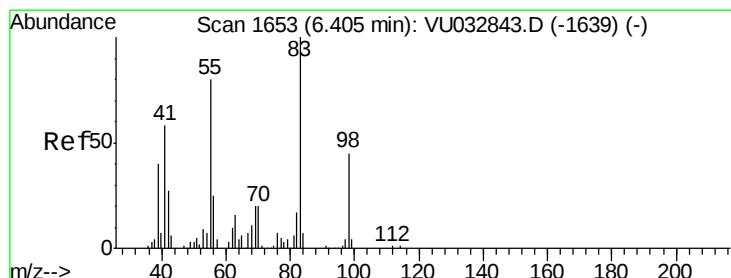
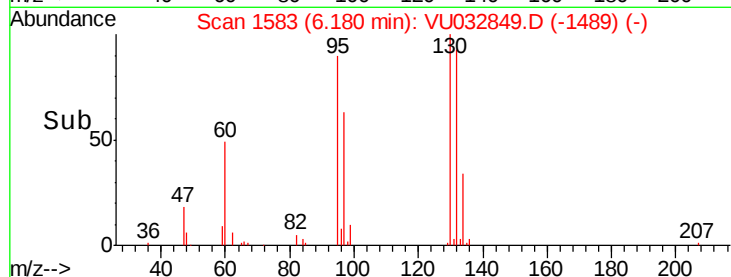
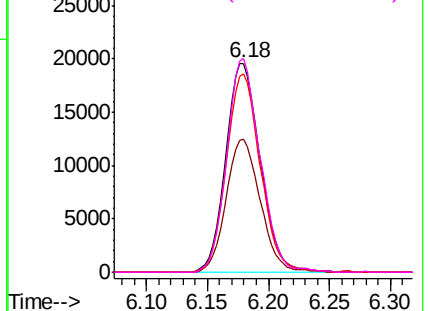


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.676 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

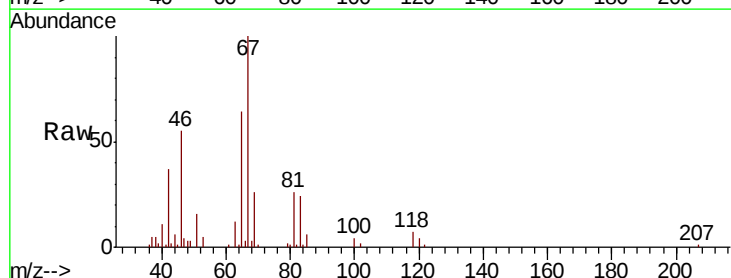
Tgt Ion: 83 Resp: 9377

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

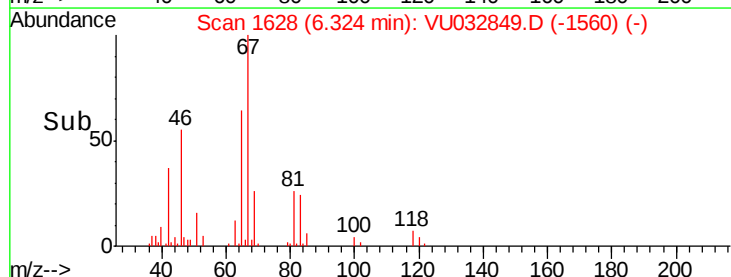
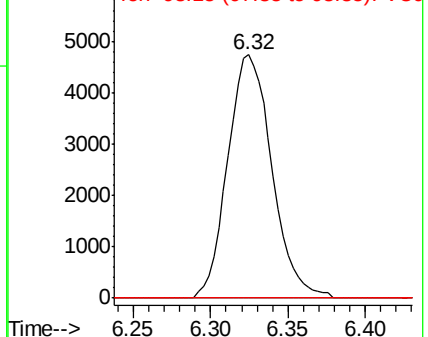
98 0.0 37.8 56.8#

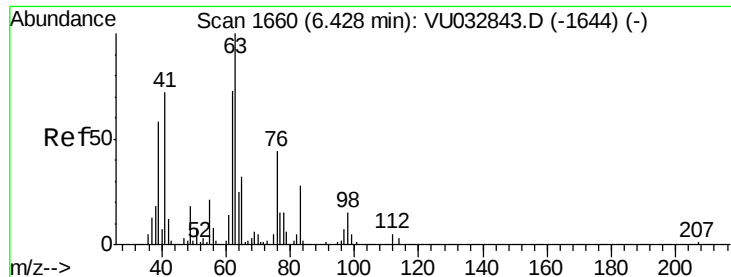


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.615 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

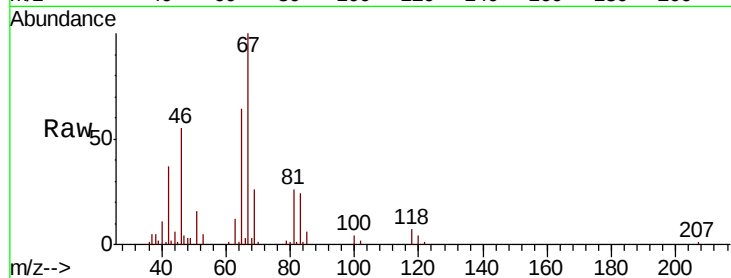
GALG8MSD

Tgt Ion: 63 Resp: 4773

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU032843.D (-1644) (-)

Ion 112.10 (111.80 to 112.80): VU032843.D (-1644) (-)

6.32

2500

2000

1500

1000

500

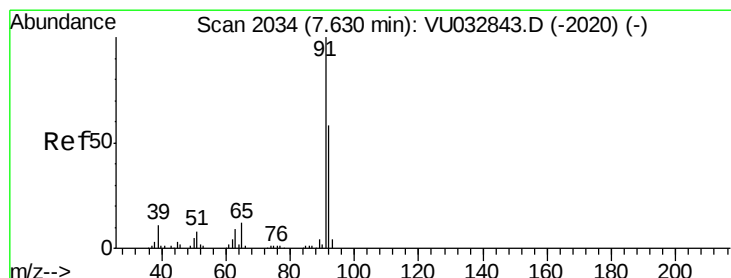
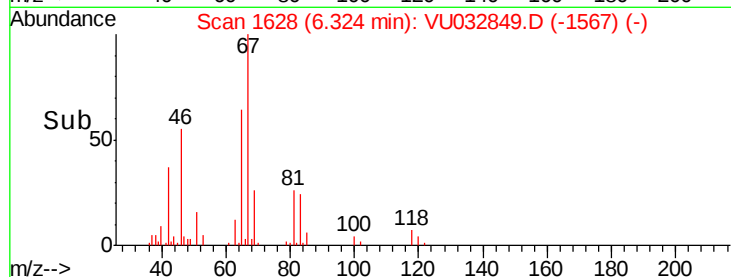
0

6.25

6.30

6.35

Time-->



#42

Toluene

Concen: 4.348 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032849.D

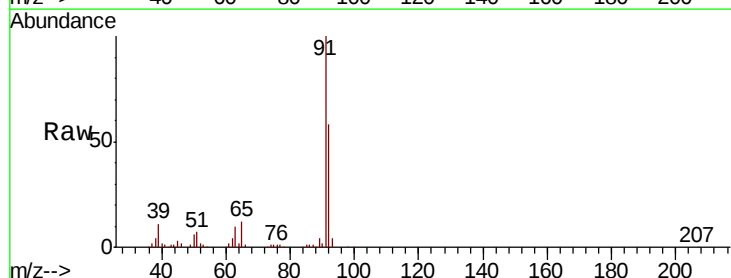
Acq: 19 Jun 2019 11:34

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): VU032843.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032843.D (-2020) (-)

7.63

80000

60000

40000

20000

0

7.55

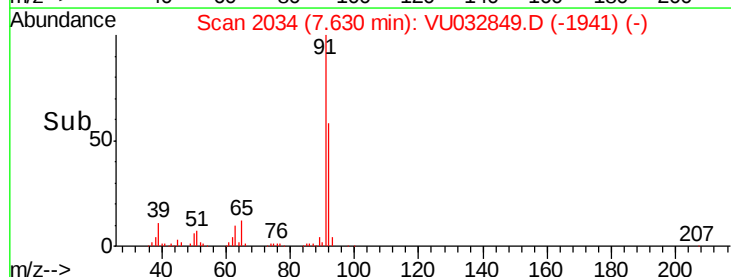
7.60

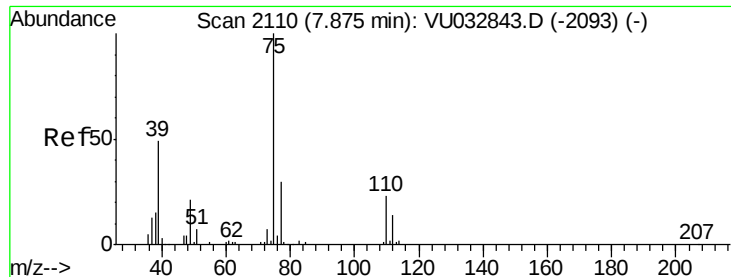
7.65

7.70

7.75

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

Instrument :

MSVOA_U

ClientSampleId :

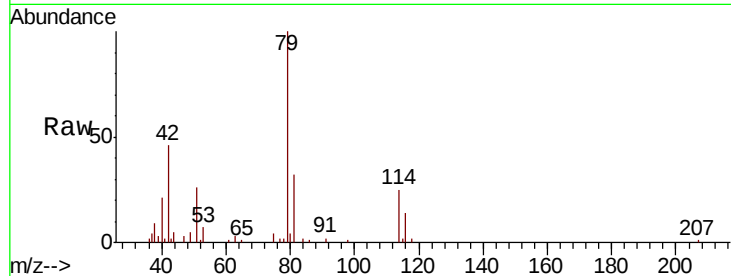
GALG8MSD

Tgt Ion: 75 Resp: 761

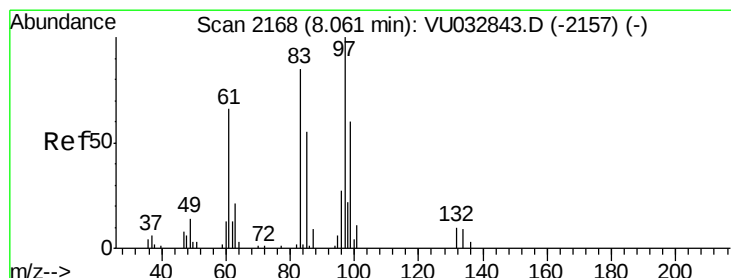
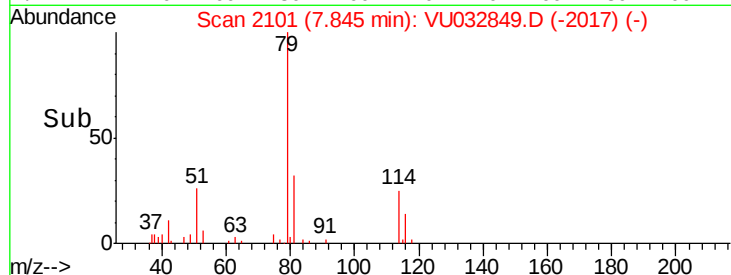
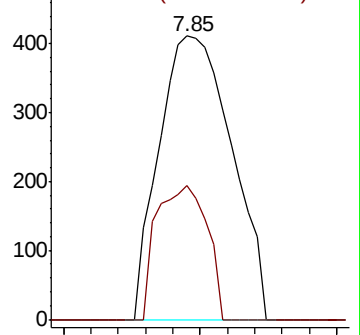
Ion Ratio Lower Upper

75 100

77 47.2 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU032843.D (-2093) (-)



#45

1,1,2-Trichloroethane

Concen: 0.184 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.15 min

Lab File: VU032849.D

Acq: 19 Jun 2019 11:34

Tgt Ion: 97 Resp: 1038

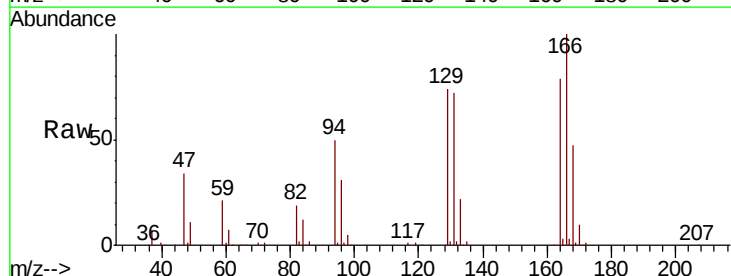
Ion Ratio Lower Upper

97 100

99 14.6 44.9 83.3#

83 232.5 58.7 108.9#

85 40.1 37.9 70.5

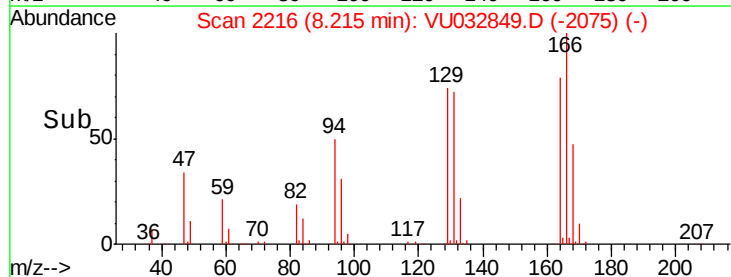
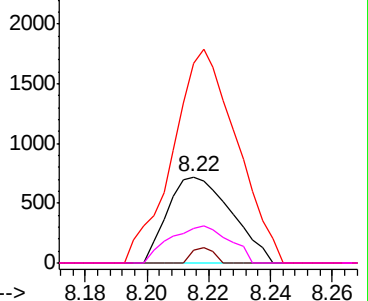


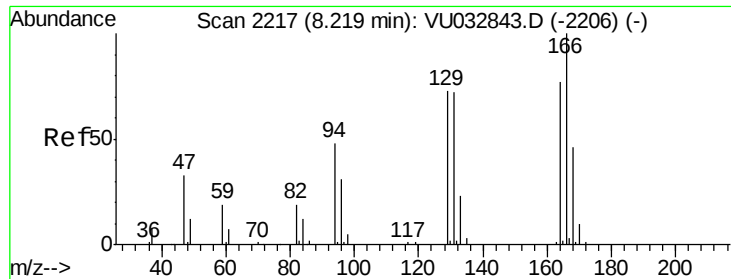
Abundance Ion 96.95 (96.65 to 97.65): VU032843.D (-2157) (-)

Ion 99.05 (98.75 to 99.75): VU032843.D (-2157) (-)

Ion 82.95 (82.65 to 83.65): VU032843.D (-2157) (-)

Ion 85.00 (84.70 to 85.70): VU032843.D (-2157) (-)

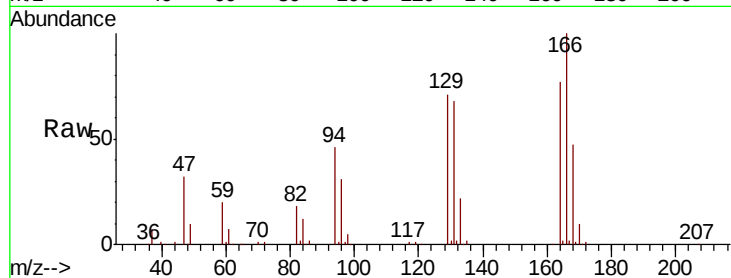




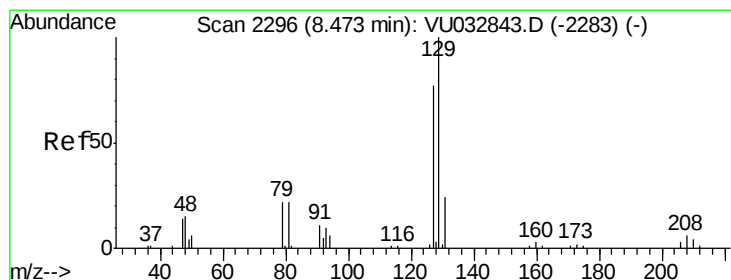
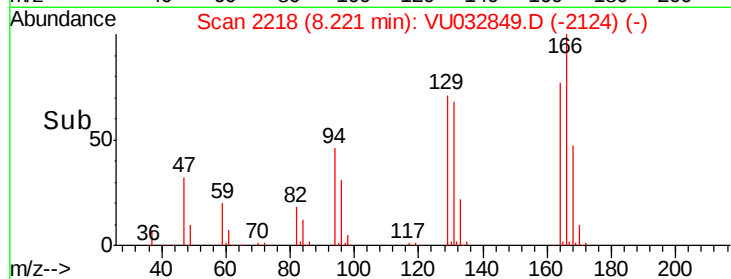
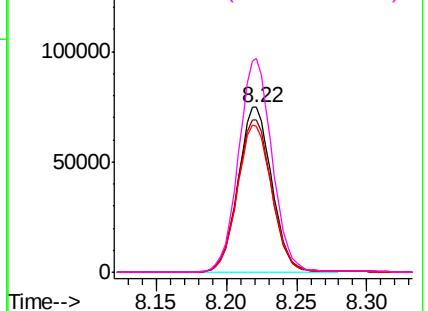
#47
Tetrachloroethene
Concen: 18.471 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Instrument :
MSVOA_U
ClientSampled :
GALG8MSD

Tgt 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

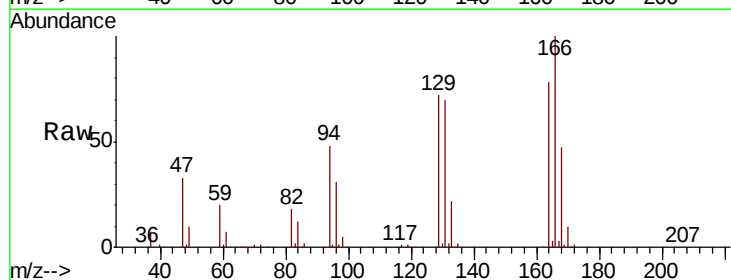


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

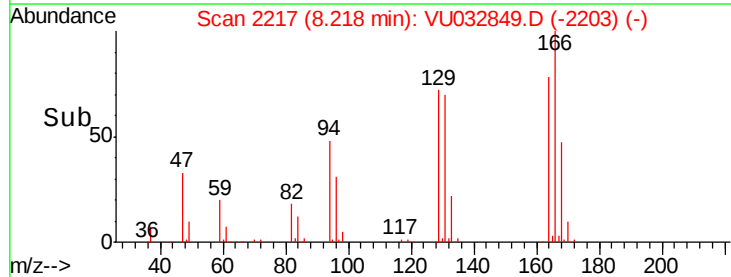
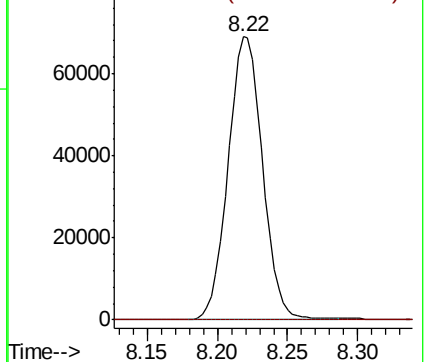


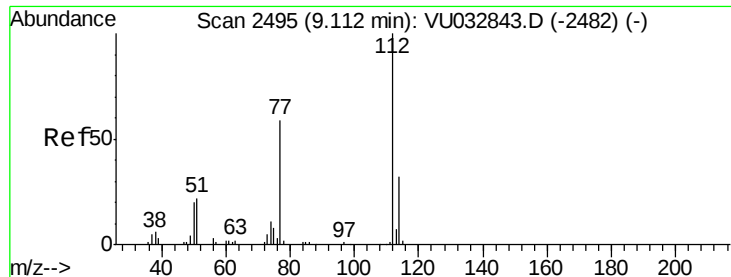
#49
Dibromochloromethane
Concen: 16.354 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.25 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	98.9#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

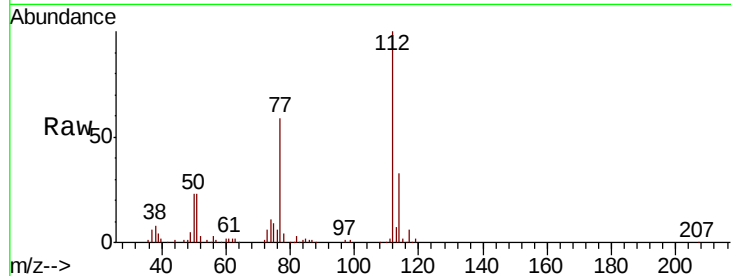




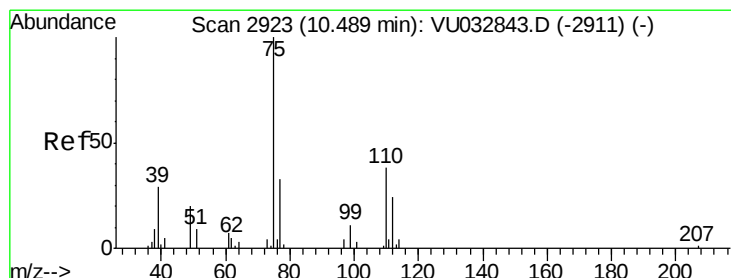
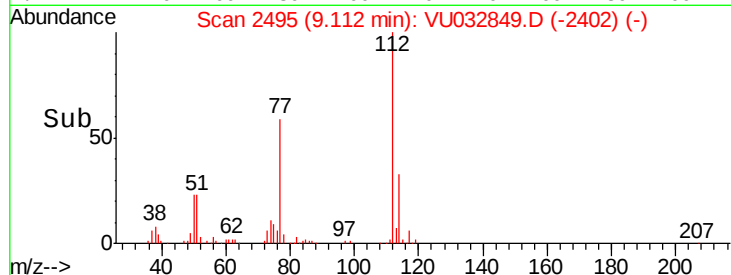
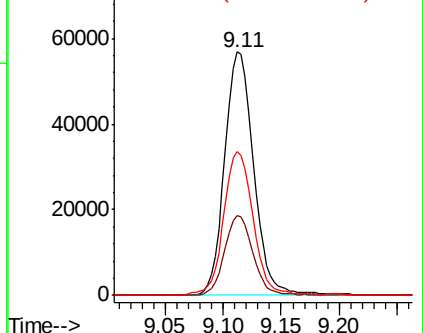
#51
Chlorobenzene
Concen: 4.699 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Instrument :
MSVOA_U
ClientSampleId :
GALG8MSD

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

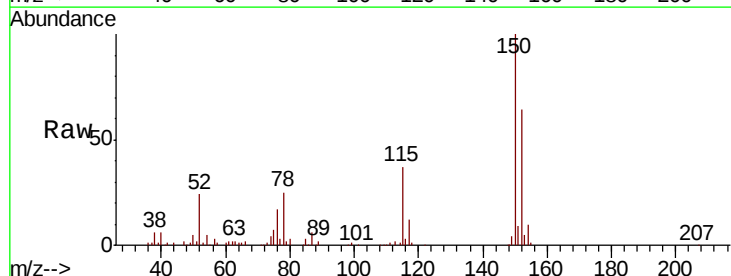


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 1.255 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032849.D
Acq: 19 Jun 2019 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	41.3	25.3	37.9#



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

