

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012634.D
 Acq On : 09 Sep 2019 20:28
 Operator : SY/MD
 Sample : K4724-08
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:34:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	405328	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	407326	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	215348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126923	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	112325	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.13	63	153256	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	3.93	46	316390	47.82	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.40	84	230161	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	126881	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.10	84	467333	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	154932	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.36	98	380583	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.66	79	49184	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.13	63	216637	53.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	129247	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	190341	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.53	94	1728	0.089	ug/L	76
13) Acetone	2.19	43	18457	4.759	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	59316	1.929	ug/L	94
25) Chloroform	4.43	83	23723	0.404	ug/L	97
30) Cyclohexane	4.72	56	20539	0.460	ug/L	99
34) Trichloroethene	5.96	95	26522	0.806	ug/L	96
35) Methylcyclohexane	6.17	83	36559	0.786	ug/L	91
44) trans-1,3-Dichloropropene	7.67	75	2161	0.074	ug/L	97
45) 1,1,2-Trichloroethane	7.83	97	6217	0.301	ug/L #	20
47) Tetrachloroethene	8.02	164	83089	3.218	ug/L	98
48) 2-Hexanone	8.18	43	19686	1.674	ug/L #	95
49) Dibromochloromethane	8.02	129	72321	2.944	ug/L #	11
52) Ethylbenzene	9.05	91	43402	0.326	ug/L	98
56) Isopropylbenzene	9.97	105	173213	1.358	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	2121	0.103	ug/L #	66
66) 1,2-Dibromo-3-chloropropan	12.46	75	2812	0.859	ug/L #	1
69) Naphthalene	13.55	128	131767	2.179	ug/L #	92

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QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

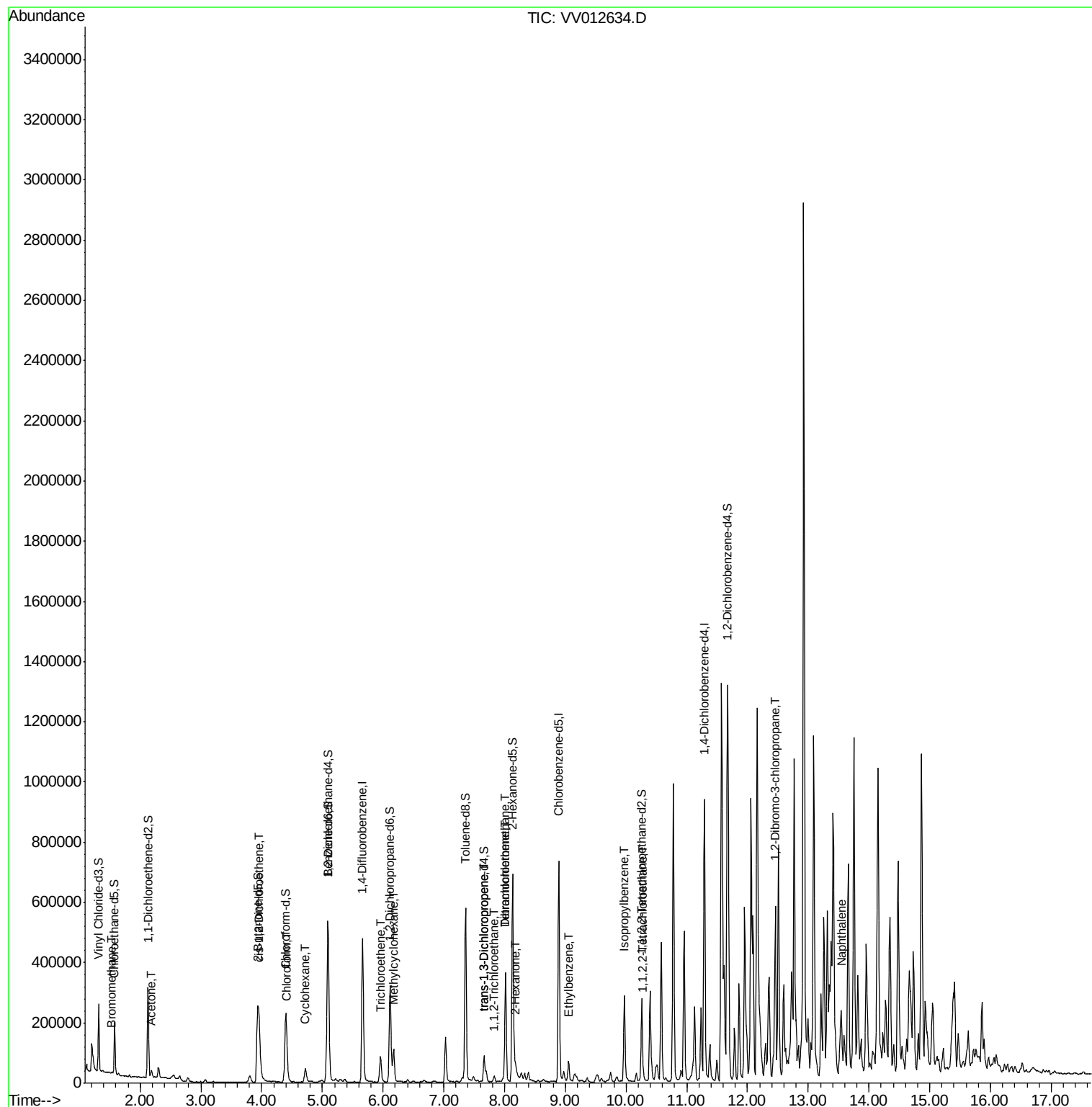
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

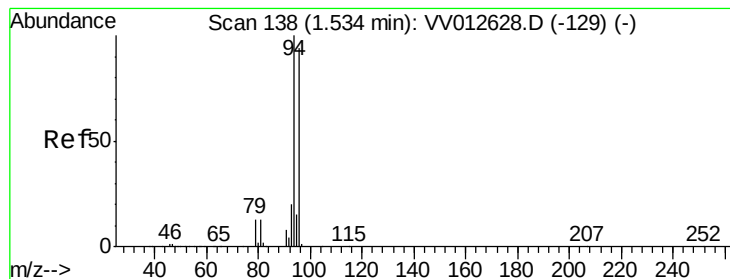
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.089 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Instrument :

MSVOA_V

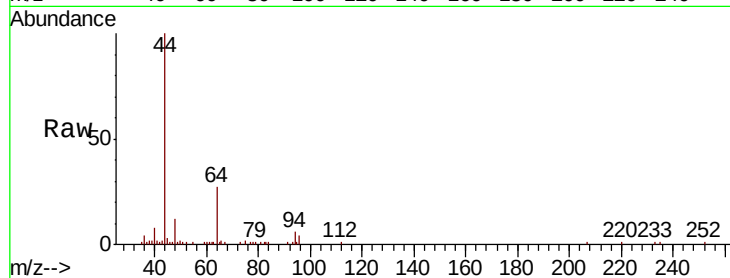
ClientSampled :

Tot Ion: 94 Resp: 1728

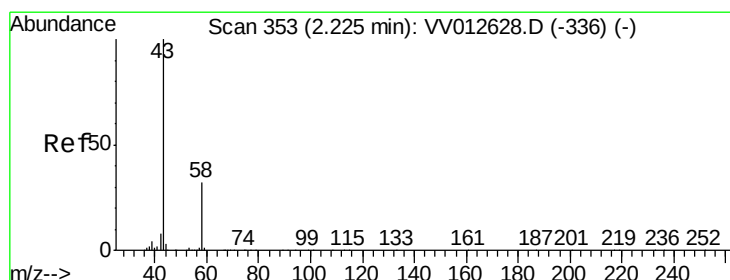
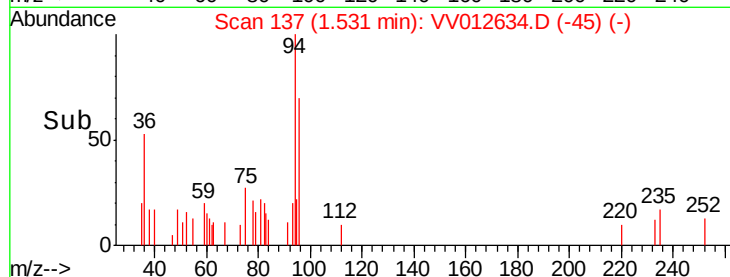
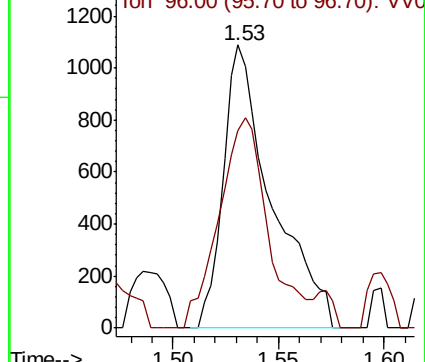
Ion Ratio Lower Upper

94 100

96 69.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV012628.D (-129) (-)



#13

Acetone

Concen: 4.759 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012634.D

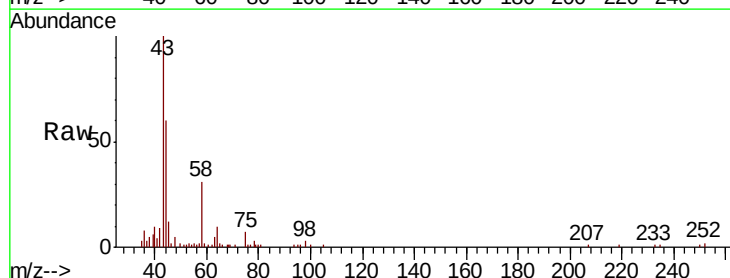
Acq: 09 Sep 2019 20:28

Tgt Ion: 43 Resp: 18457

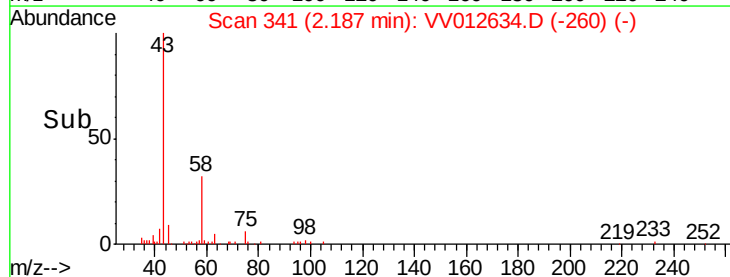
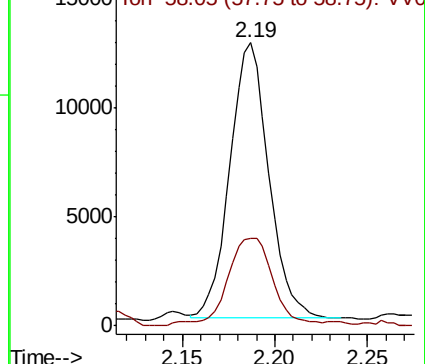
Ion Ratio Lower Upper

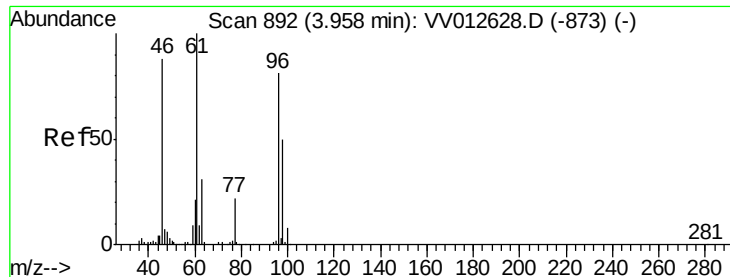
43 100

58 37.3 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV012628.D (-336) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.929 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Instrument :

MSVOA_V

ClientSampleId :

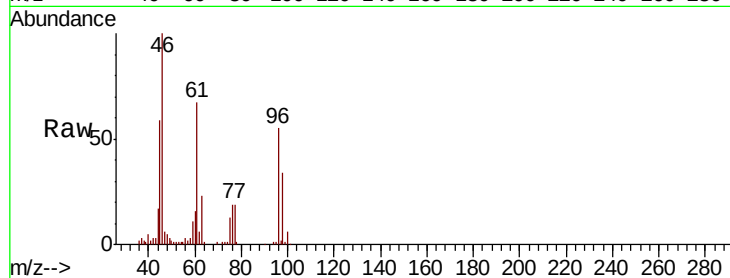
Tot Ion: 96 Resp: 59316

Ion Ratio Lower Upper

96 100

61 121.6 89.7 166.5

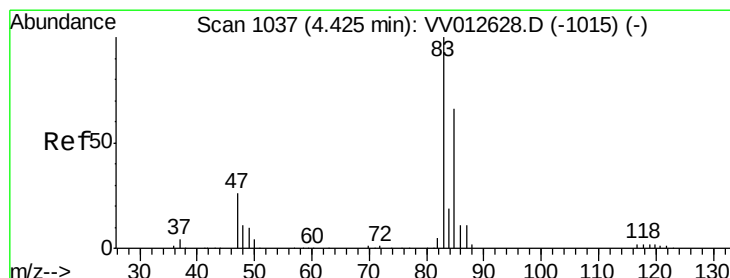
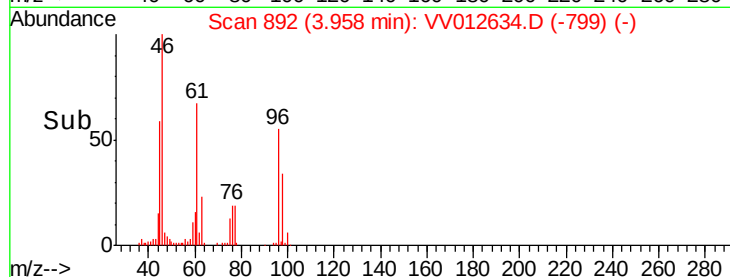
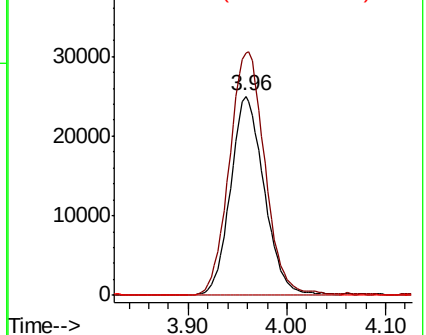
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012628.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VV012628.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VV012628.D (-873) (-)



#25

Chloroform

Concen: 0.404 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012634.D

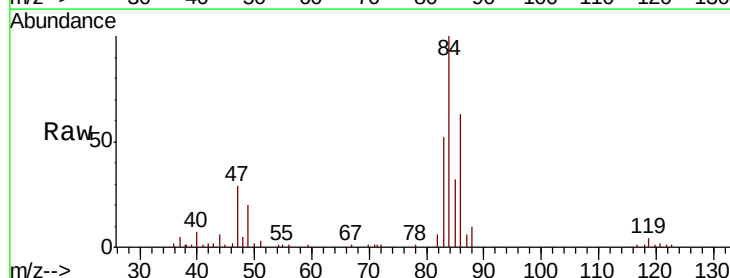
Acq: 09 Sep 2019 20:28

Tgt Ion: 83 Resp: 23723

Ion Ratio Lower Upper

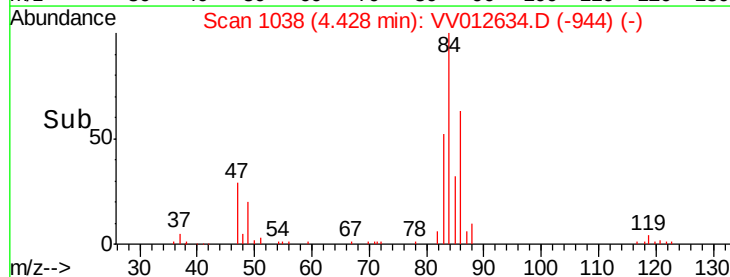
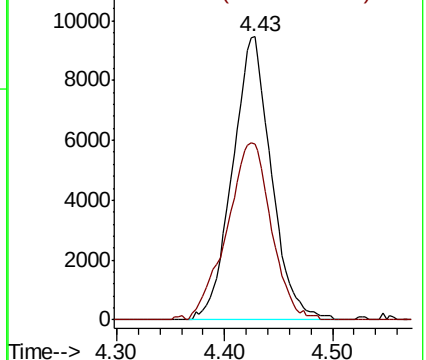
83 100

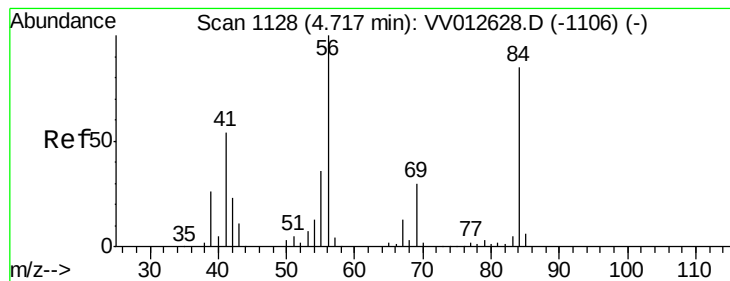
85 62.3 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VV012628.D (-1015) (-)

Ion 85.00 (84.70 to 85.70): VV012628.D (-1015) (-)





#30

Cyclohexane

Concen: 0.460 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Instrument :
MSVOA_V
ClientSampleId :

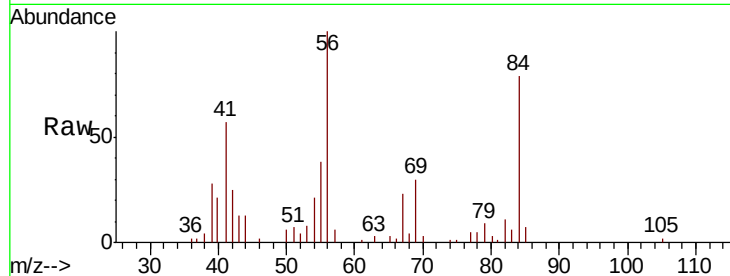
Tot Ion: 56 Resp: 20539

Ion Ratio Lower Upper

56 100

69 29.4 23.8 35.8

84 88.8 70.1 105.1

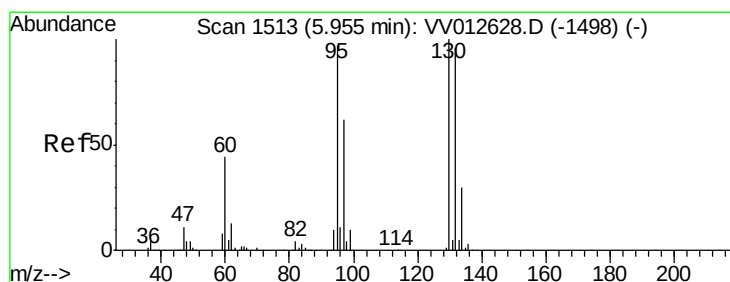
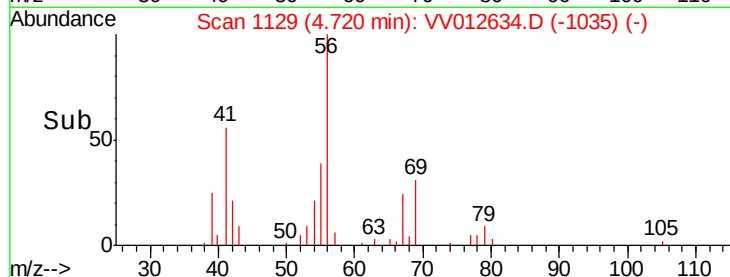
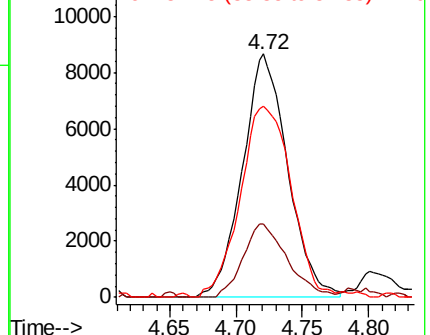


Abundance

Ion 56.10 (55.80 to 56.80): VV012628.D (-1106) (-)

Ion 69.15 (68.85 to 69.85): VV012628.D (-1106) (-)

Ion 84.15 (83.85 to 84.85): VV012628.D (-1106) (-)



#34

Trichloroethene

Concen: 0.806 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Tgt Ion: 95 Resp: 26522

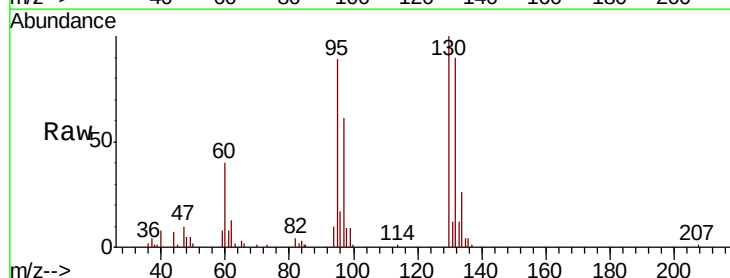
Ion Ratio Lower Upper

95 100

97 68.8 45.4 84.2

132 100.3 70.2 130.4

130 112.0 74.2 137.8



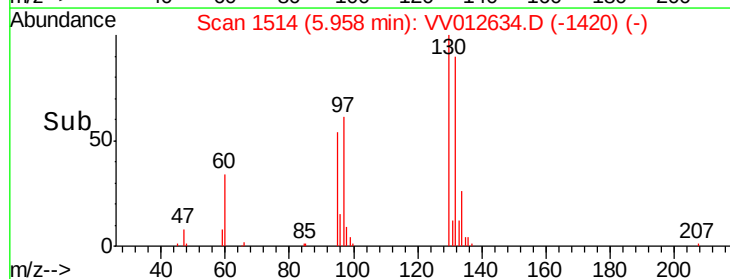
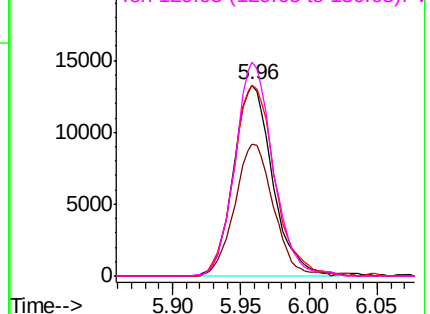
Abundance

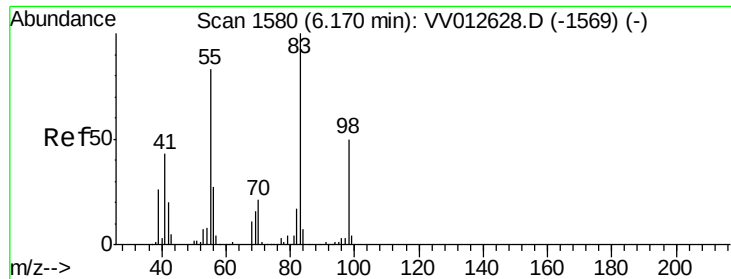
Ion 95.00 (94.70 to 95.70): VV012628.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012628.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012628.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012628.D (-1498) (-)

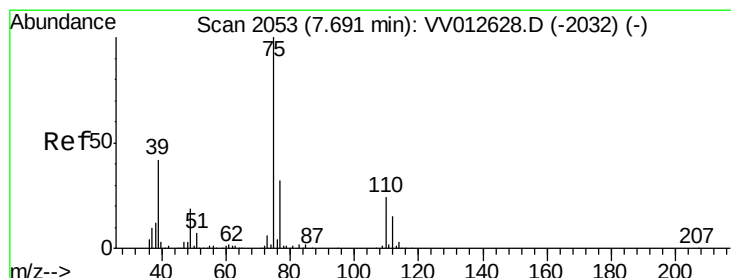
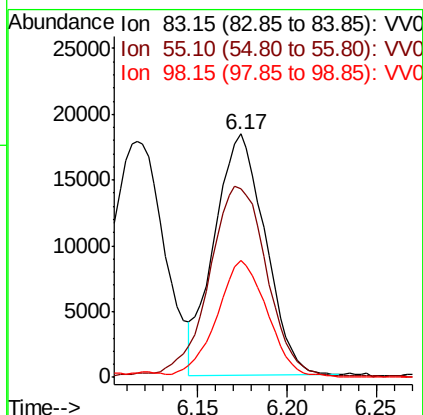
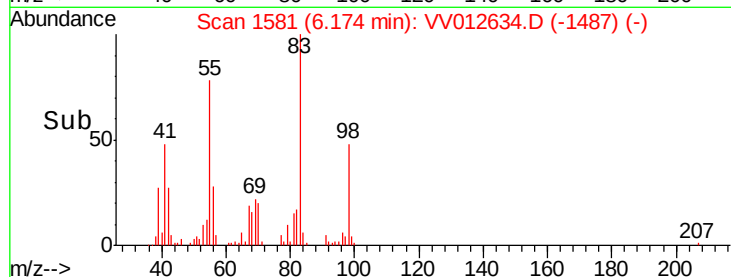
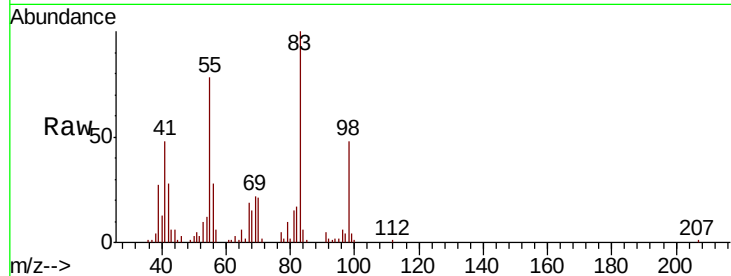




#35
Methylcyclohexane
Concen: 0.786 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

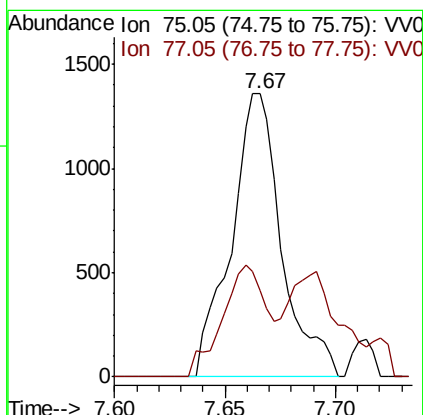
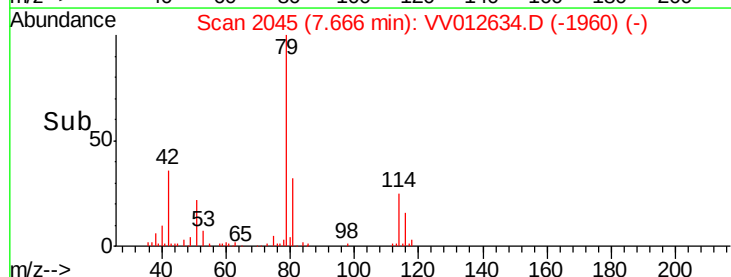
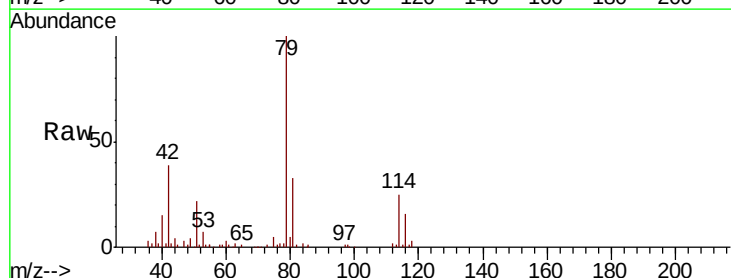
Instrument :
MSVOA_V
ClientSampled :

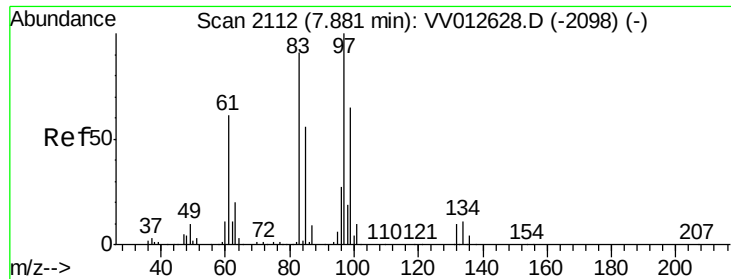
Tot Ion: 83 Resp: 36559
Ion Ratio Lower Upper
83 100
55 90.4 63.0 94.4
98 47.9 39.8 59.8



#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

Tgt Ion: 75 Resp: 2161
Ion Ratio Lower Upper
75 100
77 30.6 22.4 41.6

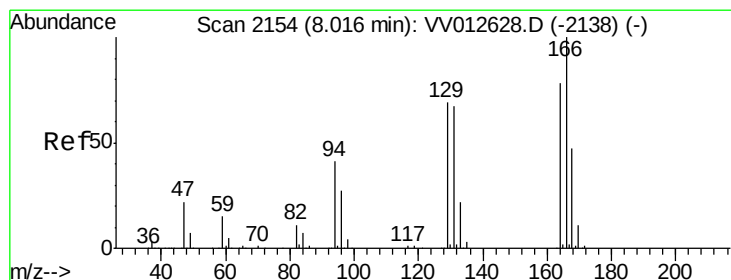
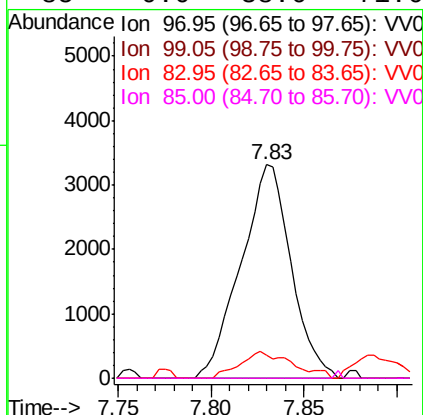
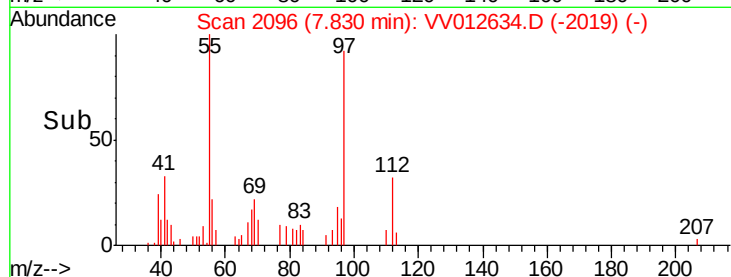
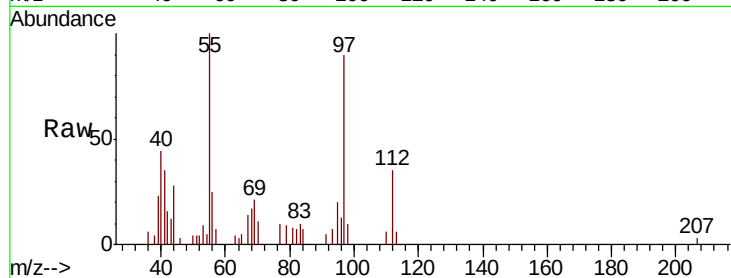




#45
1,1,2-Trichloroethane
Concen: 0.301 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.05 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

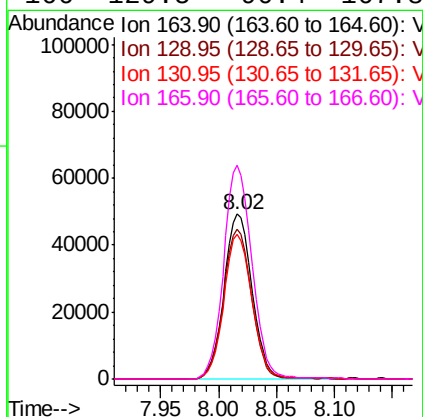
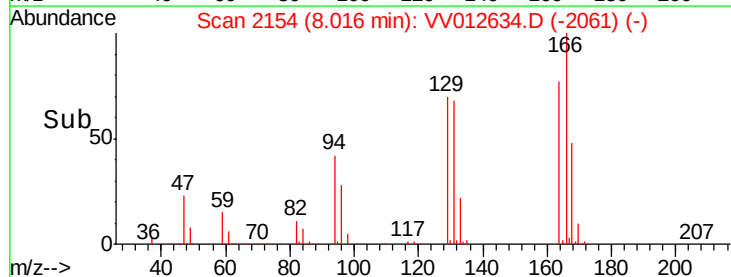
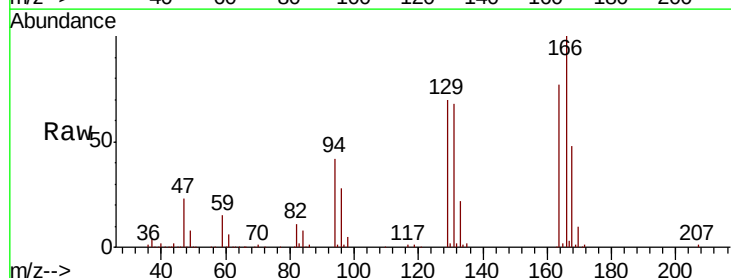
Instrument :
MSVOA_V
ClientSampleId :

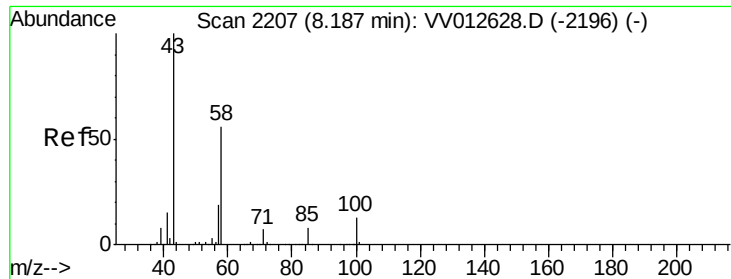
Tot Ion: 97 Resp: 6217
Ion Ratio Lower Upper
97 100
99 0.0 44.2 82.0#
83 10.7 60.8 112.8#
85 0.0 38.6 71.6#



#47
Tetrachloroethene
Concen: 3.218 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

Tgt Ion: 164 Resp: 83089
Ion Ratio Lower Upper
164 100
129 90.9 61.9 114.9
131 87.9 59.7 110.9
166 129.5 90.4 167.8

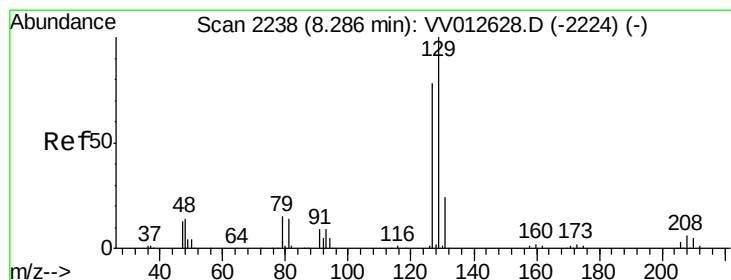
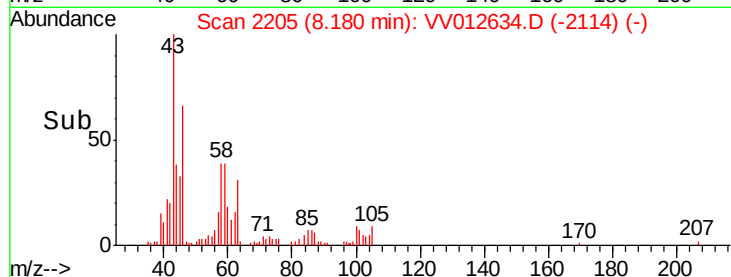
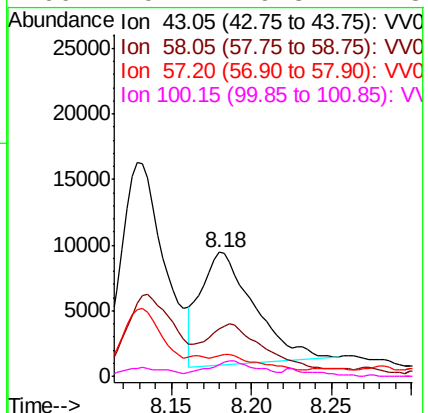
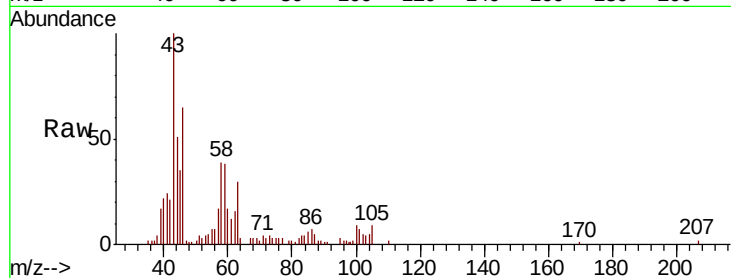




#48
2-Hexanone
Concen: 1.674 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

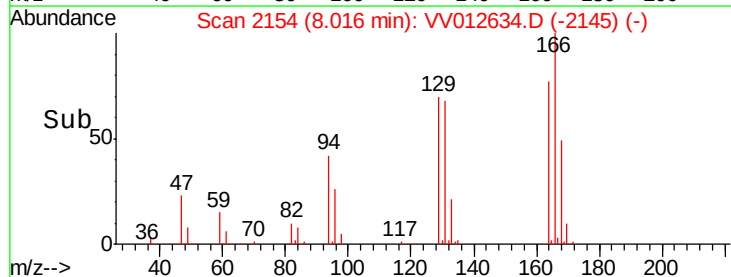
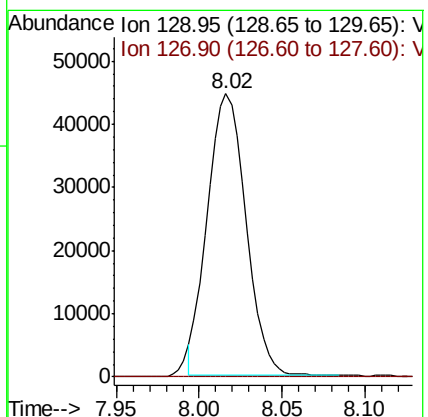
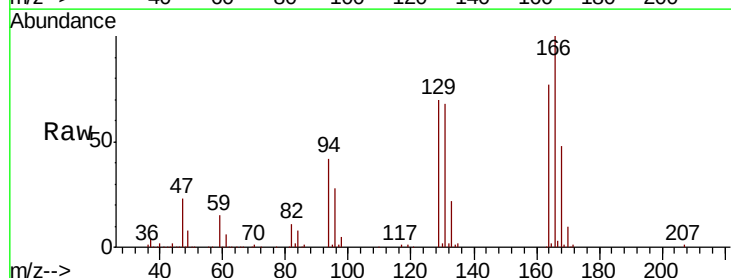
Instrument :
MSVOA_V
ClientSampled :

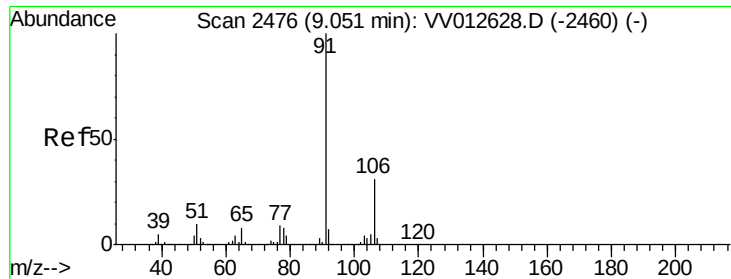
Tot Ion: 43 Resp: 19686
Ion Ratio Lower Upper
43 100
58 55.3 44.8 67.2
57 12.0 14.9 22.3#
100 9.1 9.8 14.8#



#49
Dibromochloromethane
Concen: 2.944 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012634.D
Acq: 09 Sep 2019 20:28

Tgt Ion: 129 Resp: 72321
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#52

Ethylbenzene

Concen: 0.326 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Instrument :

MSVOA_V

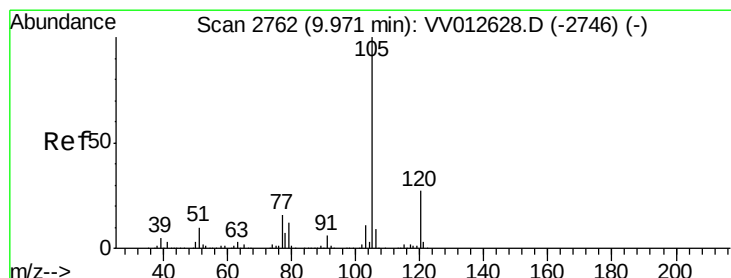
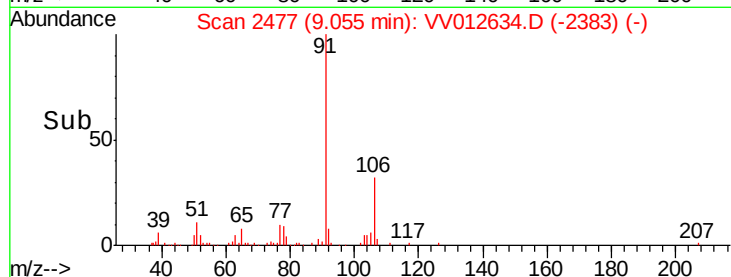
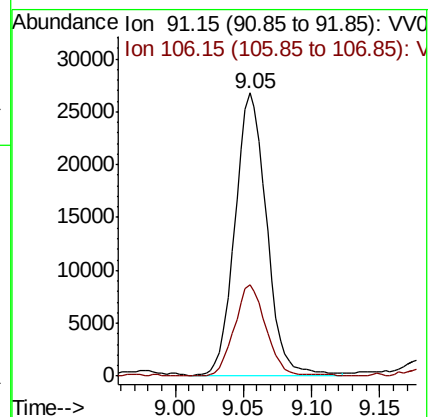
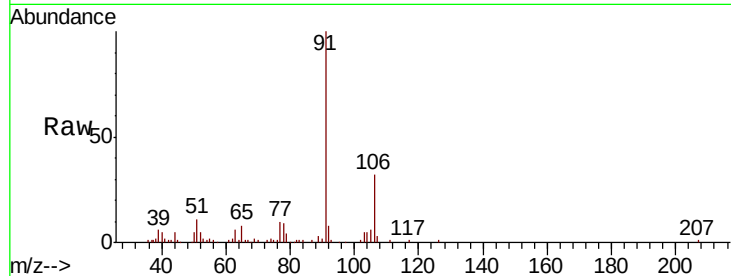
ClientSampled :

Tot Ion: 91 Resp: 43402

Ion Ratio Lower Upper

91 100

106 32.2 21.7 40.3



#56

Isopropylbenzene

Concen: 1.358 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

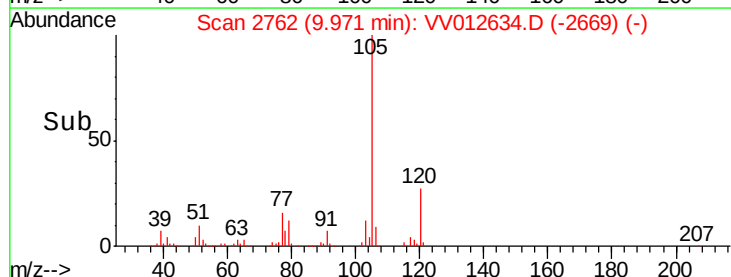
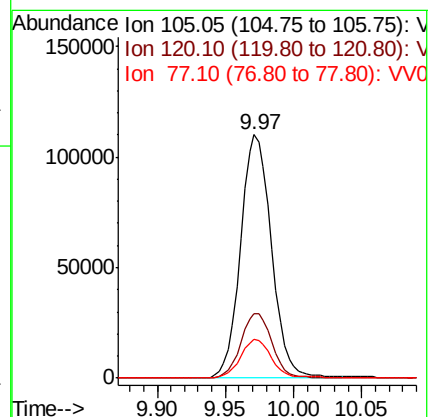
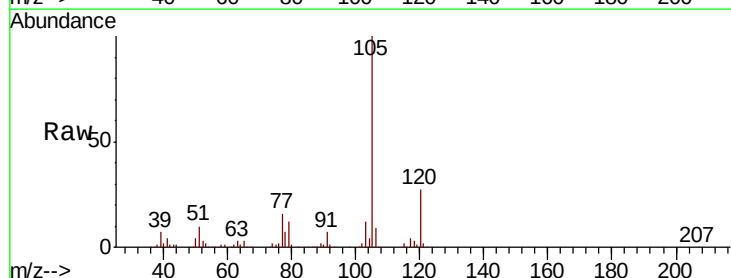
Tgt Ion: 105 Resp: 173213

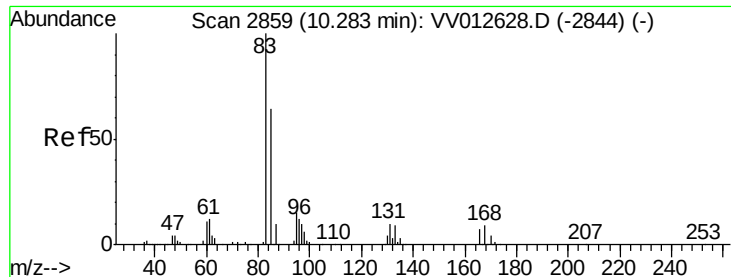
Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

77 15.4 12.2 18.4

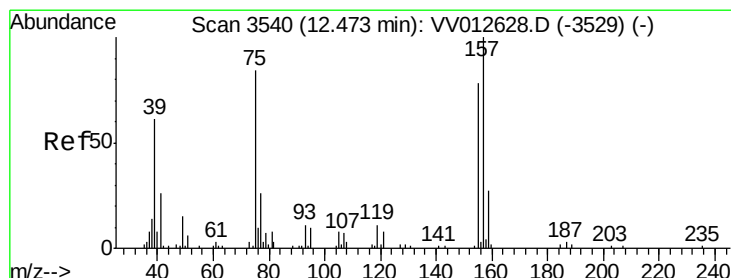
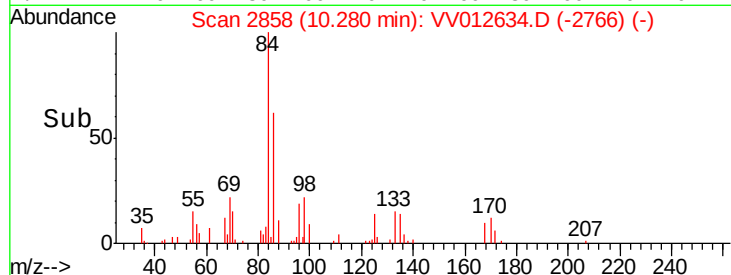
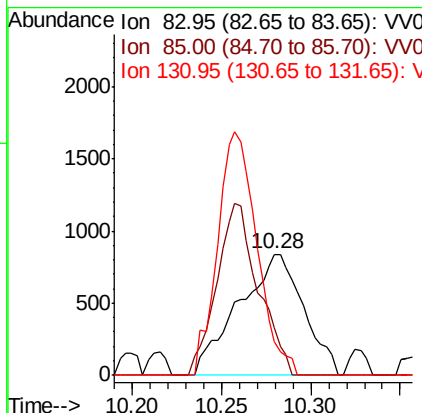
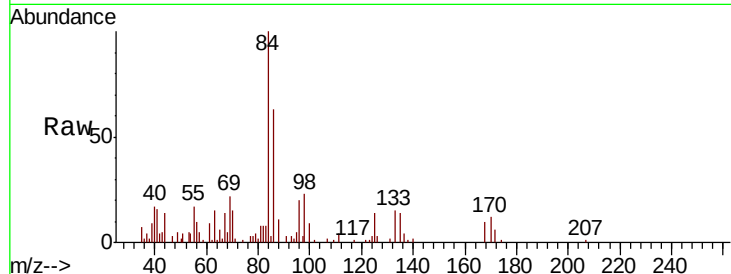




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.103 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.00 min
 Lab File: VV012634.D
 Acq: 09 Sep 2019 20:28

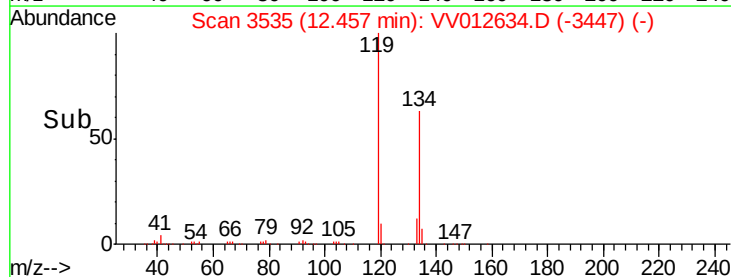
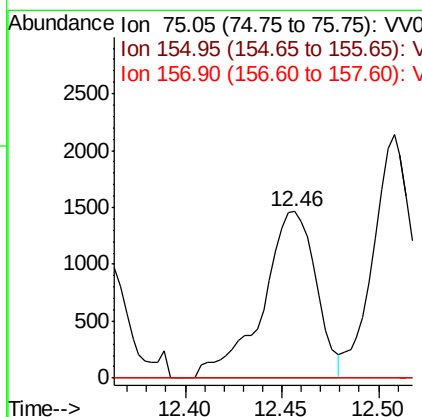
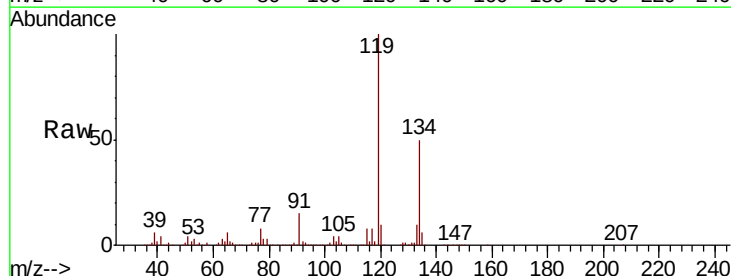
Instrument :
 MSVOA_V
 ClientSampled :

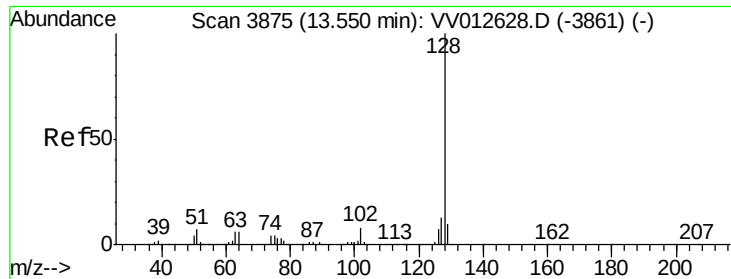
Tot Ion: 83 Resp: 2121
 Ion Ratio Lower Upper
 83 100
 85 39.5 45.4 84.2#
 131 27.3 8.2 12.4#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.859 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. -0.02 min
 Lab File: VV012634.D
 Acq: 09 Sep 2019 20:28

Tgt Ion: 75 Resp: 2812
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.3 111.5#
 157 0.0 87.4 131.0#





#69

Naphthalene

Concen: 2.179 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

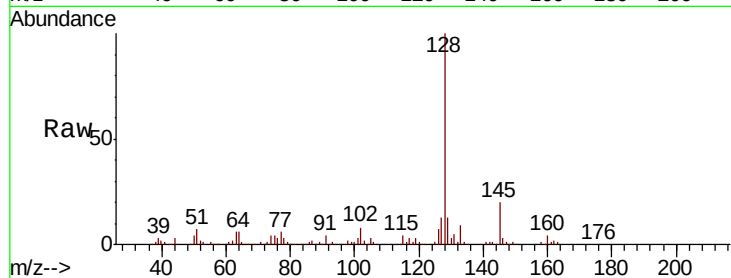
Lab File: VV012634.D

Acq: 09 Sep 2019 20:28

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:	128	Resp:	131767
Ion	Ratio	Lower	Upper
128	100		
129	16.2	8.7	13.1#
127	13.6	10.2	15.4

