

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011720\
 Data File : VV014333.D
 Acq On : 17 Jan 2020 13:13
 Operator : SY/MD
 Sample : L1169-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF761

Quant Time: Jan 17 22:54:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 22:51:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	844095	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	772200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	359315	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236095	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.59	69	200446	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.13	63	286855	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	3.93	46	690067	48.64	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.28%
24) Chloroform-d	4.40	84	460321	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.60%
26) 1,2-Dichloroethane-d4	5.08	65	250177	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.10	84	1066718	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.12	67	340690	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	945354	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	134046	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.13	63	598581	44.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	233871	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	313193	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3122	0.083	ug/L #	29
13) Acetone	2.19	43	12657	1.295	ug/L	81
17) Methyl tert-butyl Ether	2.81	73	67345	0.483	ug/L	98
19) 1,1-Dichloroethane	3.24	63	24242	0.218	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	123750	1.991	ug/L #	96
25) Chloroform	4.42	83	51080	0.480	ug/L	96
27) 1,2-Dichloroethane	5.18	62	71980	1.131	ug/L	98
35) Methylcyclohexane	6.12	83	76529	0.766	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	33184	0.553	ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	4912	0.066	ug/L #	53
48) 2-Hexanone	8.13	43	71514	2.732	ug/L #	78
51) Chlorobenzene	8.92	112	46825	0.303	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	26932	0.240	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	112244	1.005	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	7545	0.074	ug/L #	80
68) 1,2,4-trichlorobenzene	13.31	180	12060	0.168	ug/L	94

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QLast Update : Fri Jan 17 22:51:36 2020
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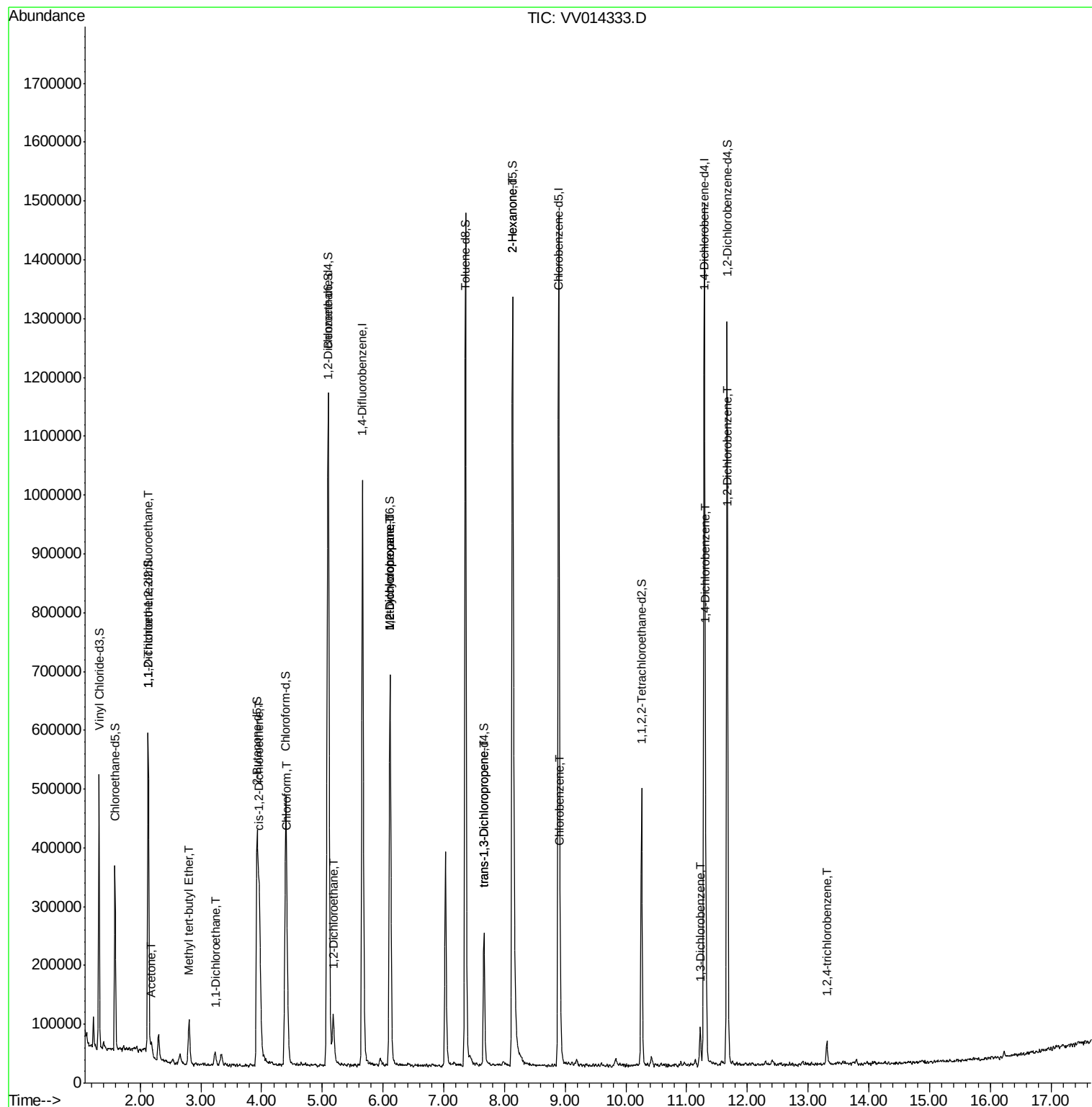
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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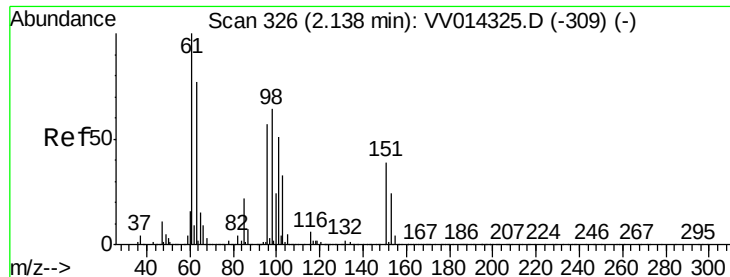
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.083 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014333.D

Acq: 17 Jan 2020 13:13

Instrument :

MSVOA_V

ClientSampled :

BF761

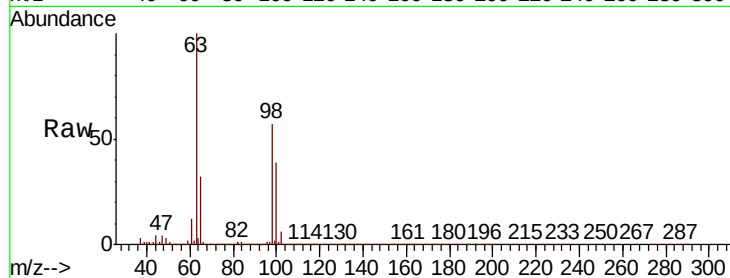
Tot Ion:101 Resp: 3122

Ion Ratio Lower Upper

101 100

85 9.8 34.9 52.3#

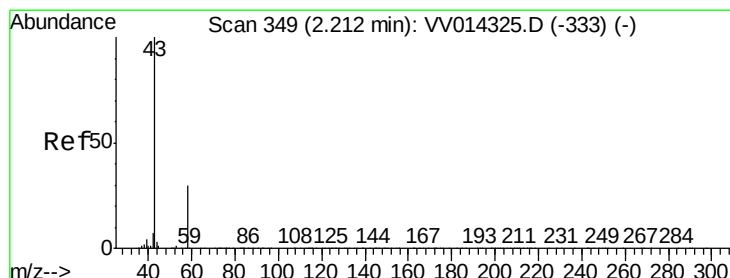
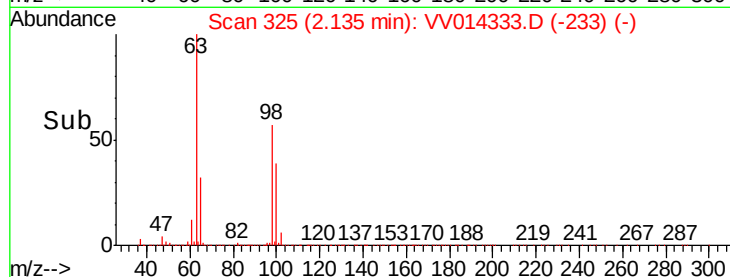
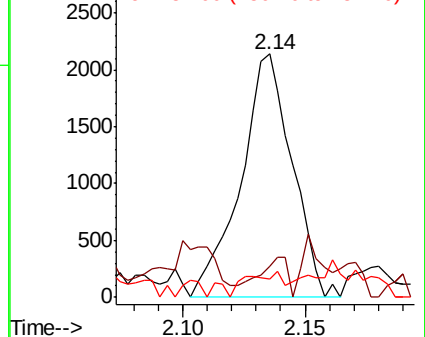
151 7.3 62.5 93.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.295 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV014333.D

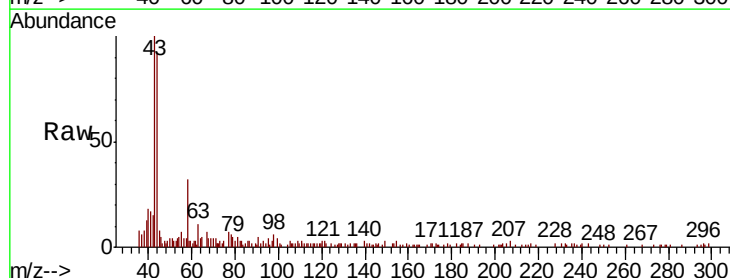
Acq: 17 Jan 2020 13:13

Tgt Ion: 43 Resp: 12657

Ion Ratio Lower Upper

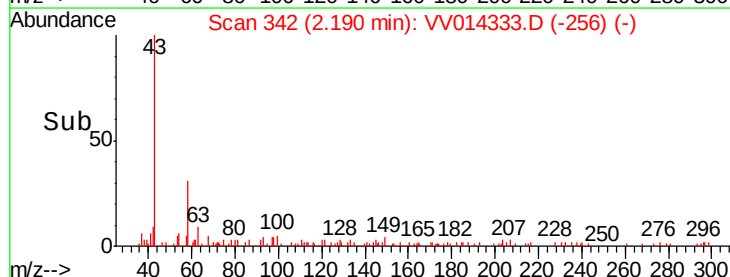
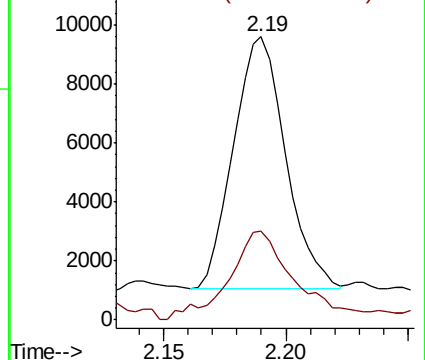
43 100

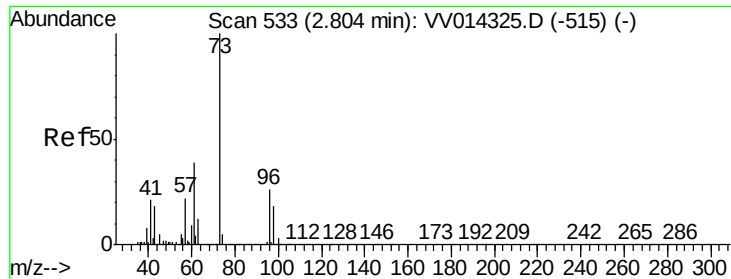
58 44.0 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

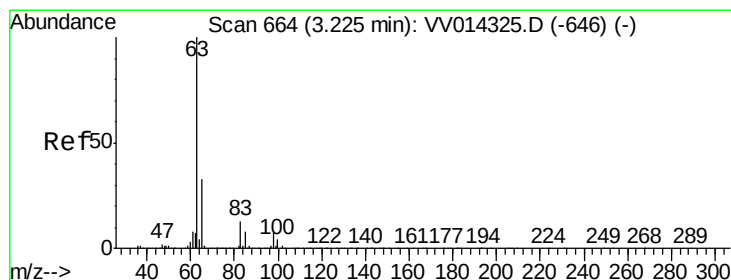
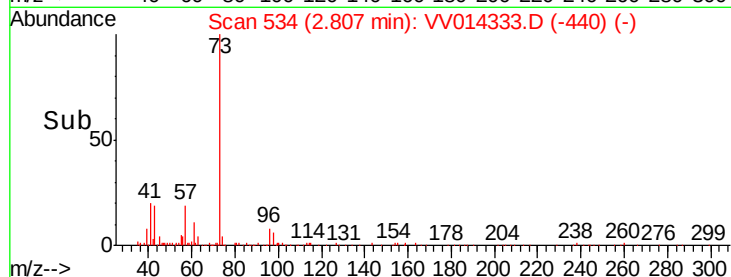
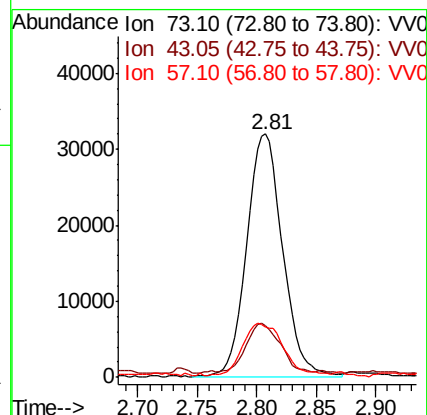
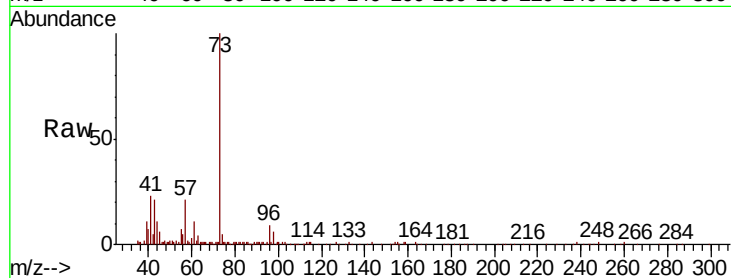




#17
Methyl tert-butyl Ether
Concen: 0.483 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014333.D
Acq: 17 Jan 2020 13:13

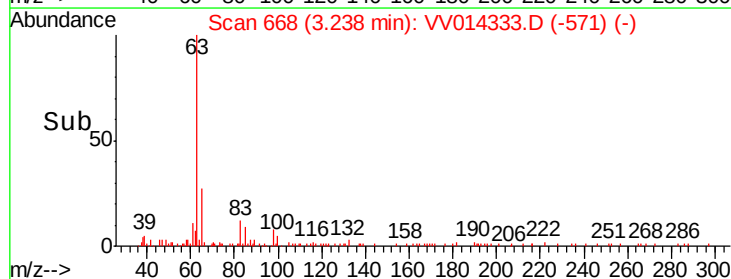
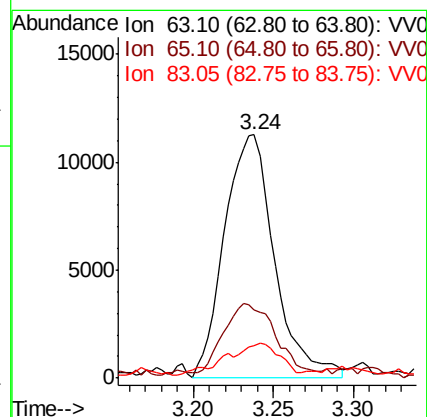
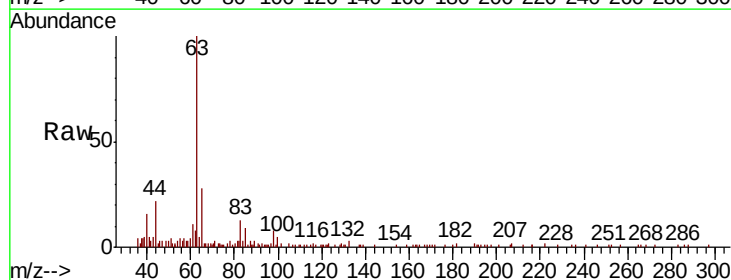
Instrument :
MSVOA_V
ClientSampleId :
BF761

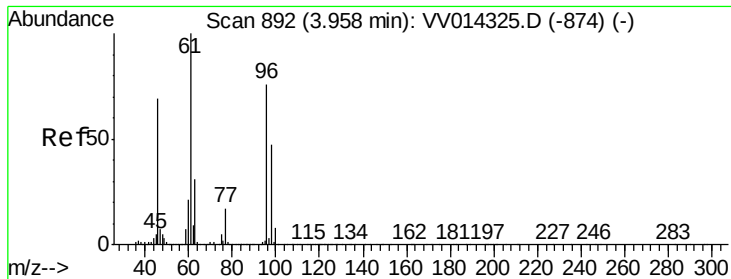
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.2	14.7	22.1
57	23.3	17.9	26.9



#19
1,1-Dichloroethane
Concen: 0.218 ug/L
RT: 3.24 min Scan# 668
Delta R.T. 0.01 min
Lab File: VV014333.D
Acq: 17 Jan 2020 13:13

Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.2	22.7	42.3
83	13.3	10.0	18.6





#22

cis-1,2-Dichloroethene

Concen: 1.991 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014333.D

Acq: 17 Jan 2020 13:13

Instrument :

MSVOA_V

ClientSampleId :

BF761

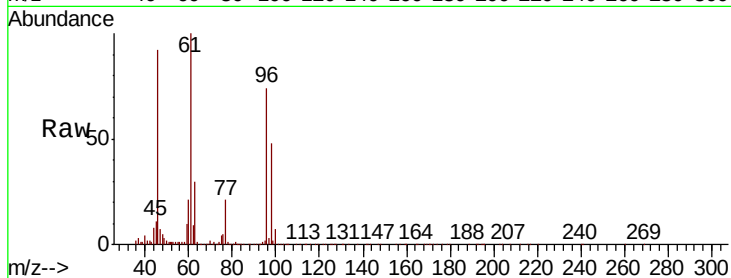
Tot Ion: 96 Resp: 123750

Ion Ratio Lower Upper

96 100

61 134.6 90.6 168.3

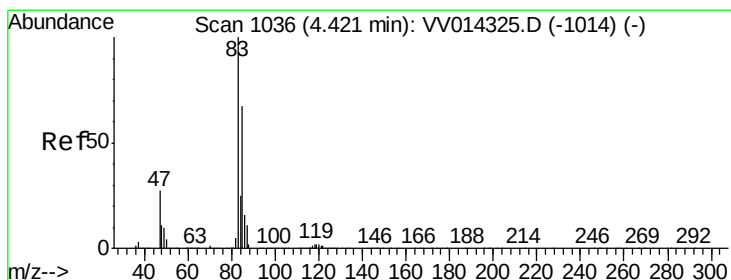
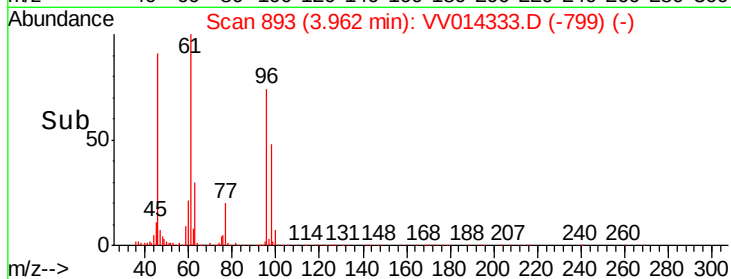
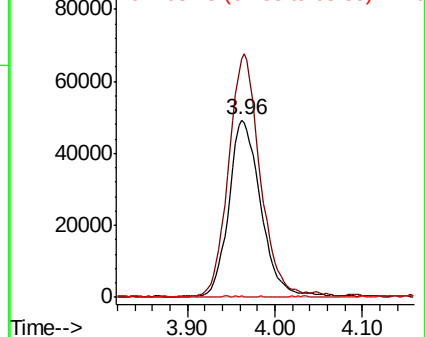
68 0.8 0.3 0.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.480 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014333.D

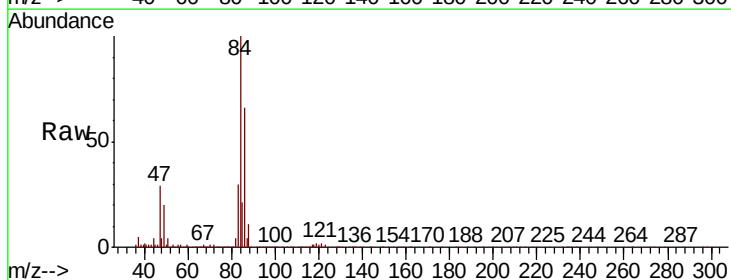
Acq: 17 Jan 2020 13:13

Tgt Ion: 83 Resp: 51080

Ion Ratio Lower Upper

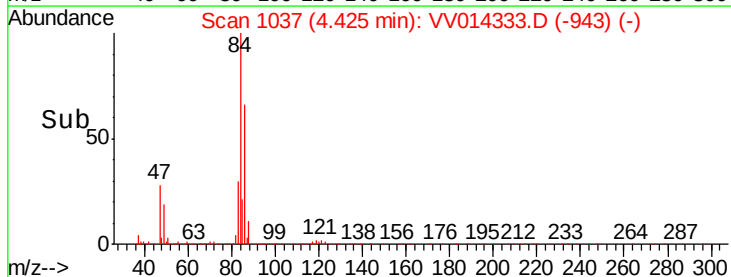
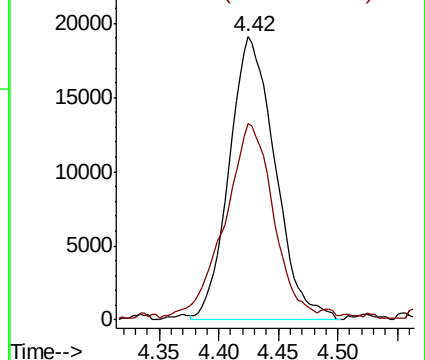
83 100

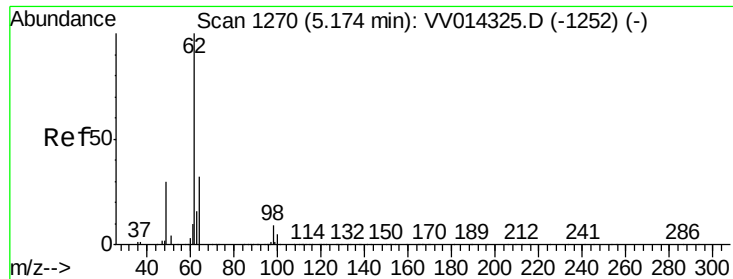
85 69.2 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

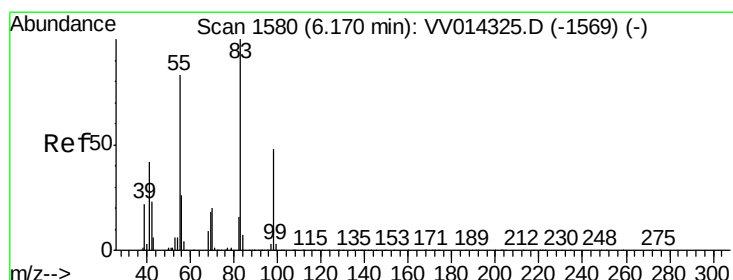
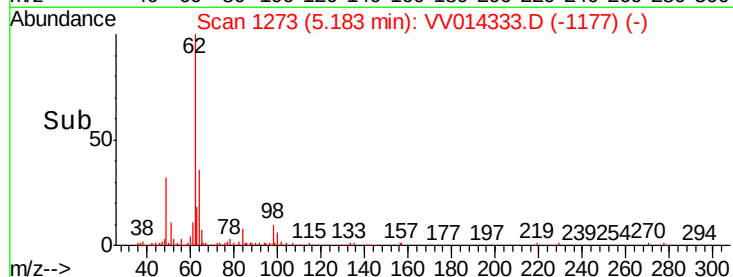
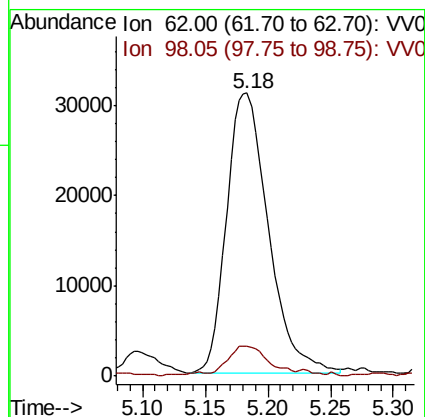
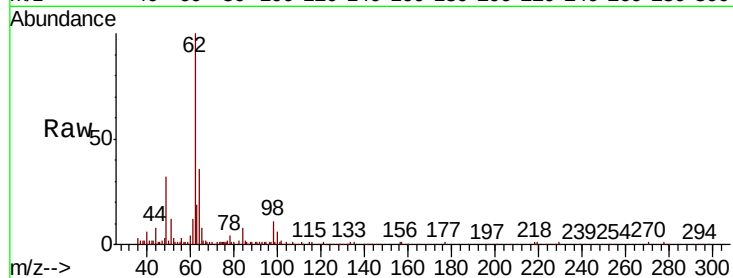




#27
 1,2-Dichloroethane
 Concen: 1.131 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

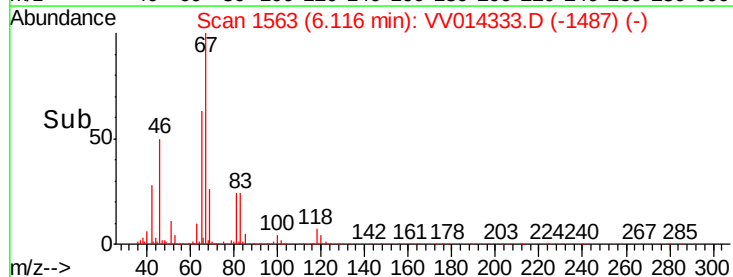
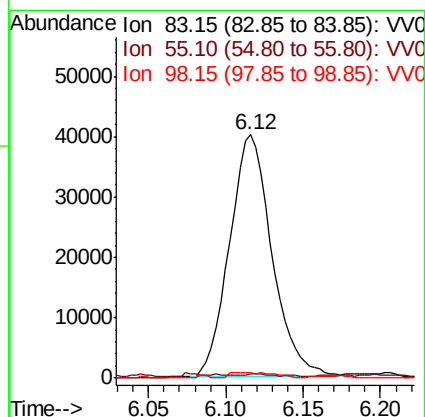
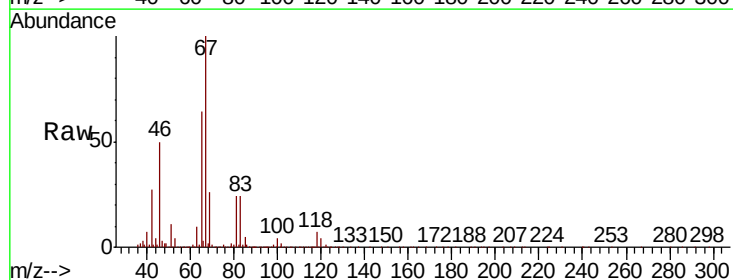
Instrument :
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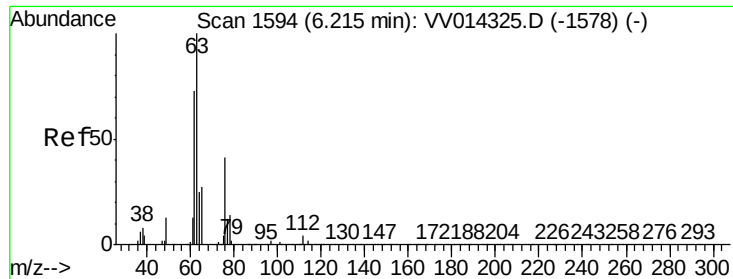
Tot Ion: 62 Resp: 71980
 Ion Ratio Lower Upper
 62 100
 98 10.6 9.2 13.8



#35
 Methylcyclohexane
 Concen: 0.766 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.05 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

Tgt Ion: 83 Resp: 76529
 Ion Ratio Lower Upper
 83 100
 55 0.9 61.7 92.5#
 98 2.5 38.1 57.1#

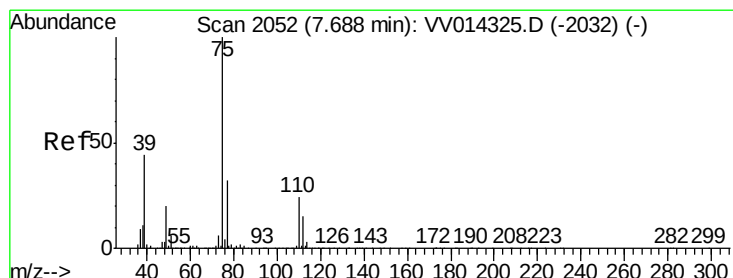
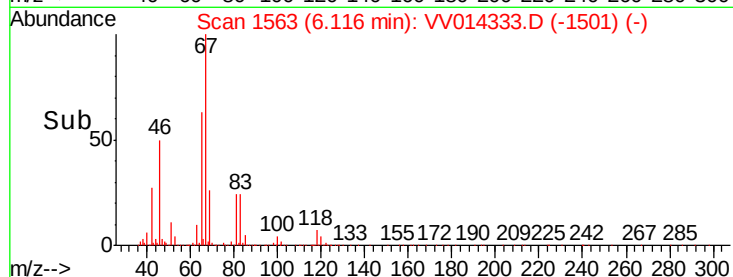
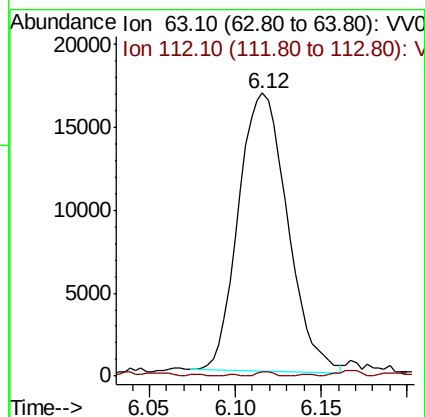
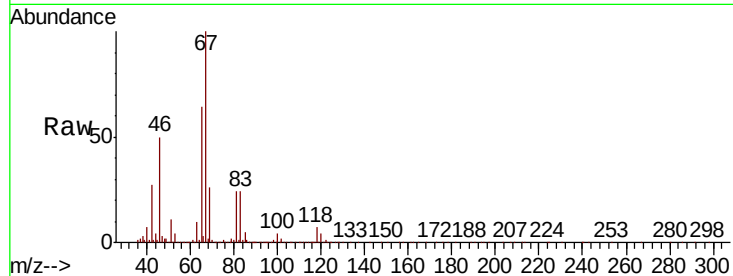




#37
 1,2-Dichloropropane
 Concen: 0.553 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

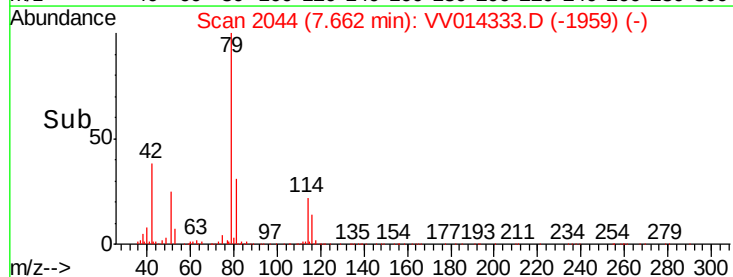
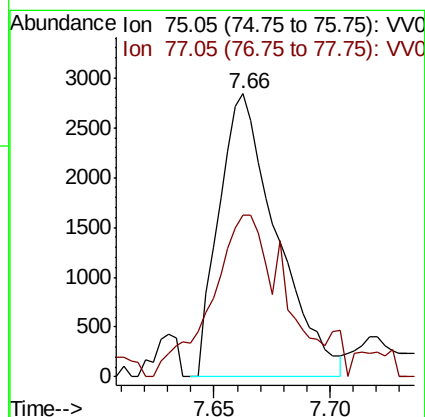
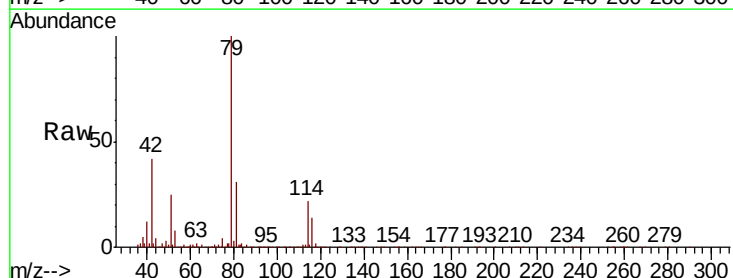
Instrument :
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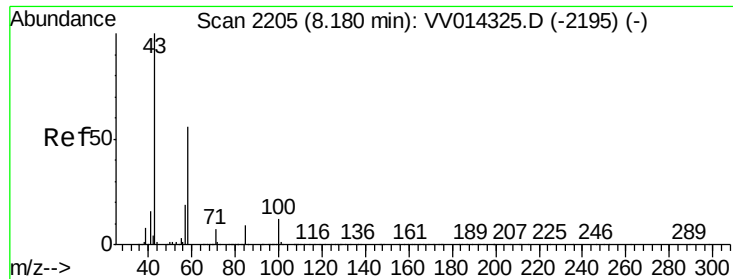
Tot Ion: 63 Resp: 33184
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.7 5.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.066 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

Tgt Ion: 75 Resp: 4912
 Ion Ratio Lower Upper
 75 100
 77 57.3 22.0 41.0#

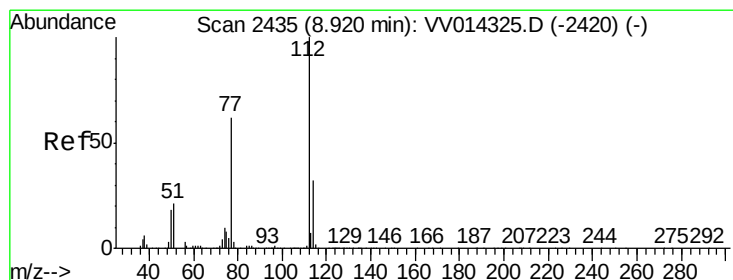
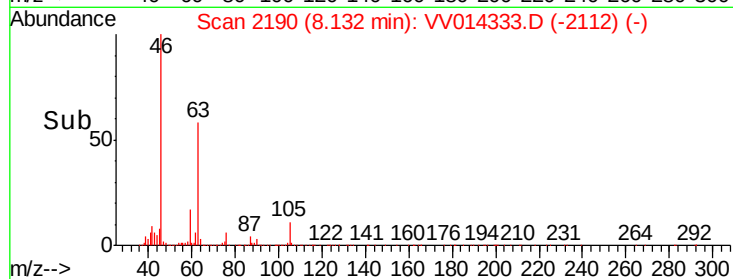
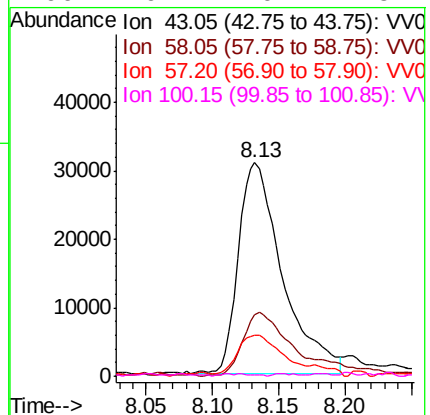
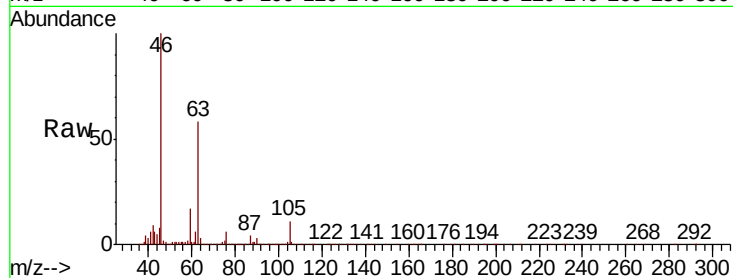




#48
2-Hexanone
Concen: 2.732 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV014333.D
Acq: 17 Jan 2020 13:13

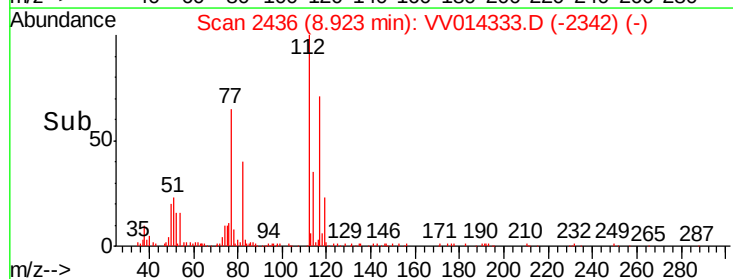
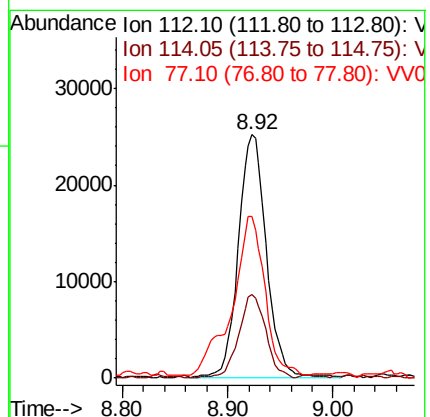
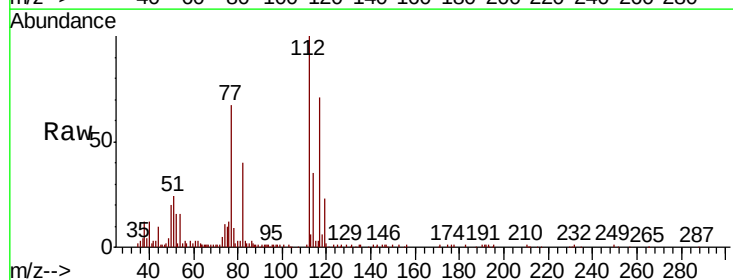
Instrument :
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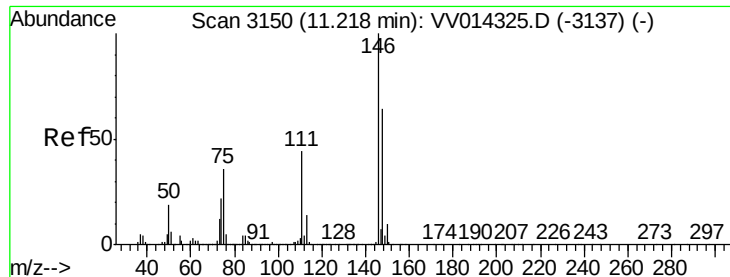
Tot Ion: 43 Resp: 71514
Ion Ratio Lower Upper
43 100
58 37.6 45.4 68.0#
57 17.6 15.8 23.8
100 0.7 10.2 15.4#



#51
Chlorobenzene
Concen: 0.303 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014333.D
Acq: 17 Jan 2020 13:13

Tgt Ion: 112 Resp: 46825
Ion Ratio Lower Upper
112 100
114 34.6 22.5 41.7
77 66.6 49.3 73.9





#62

1,3-Dichlorobenzene

Concen: 0.240 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.01 min

Lab File: VV014333.D

Acq: 17 Jan 2020 13:13

Instrument :

MSVOA_V

ClientSampleId :

BF761

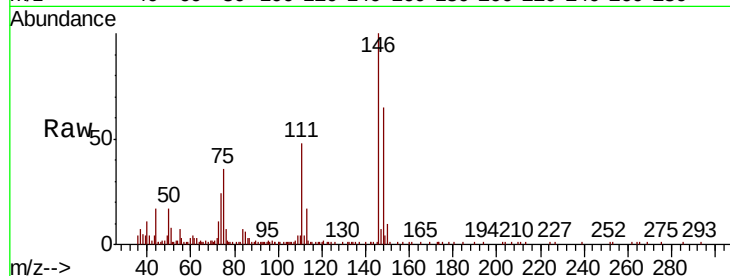
Tot Ion:146 Resp: 26932

Ion Ratio Lower Upper

146 100

111 48.3 30.7 57.1

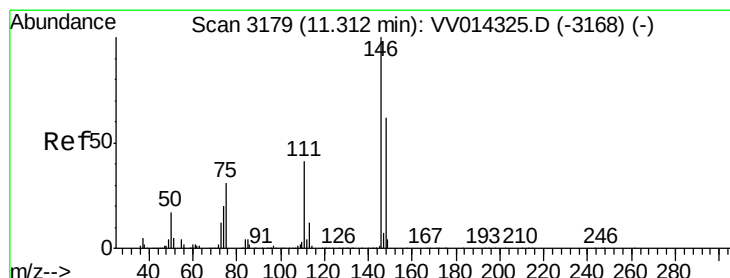
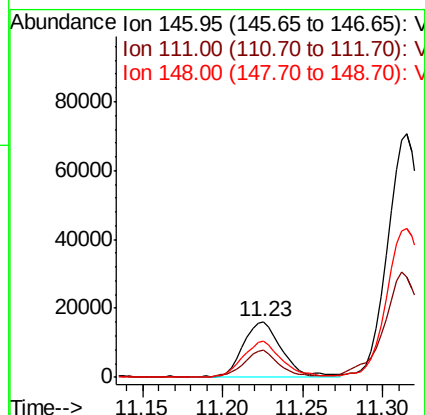
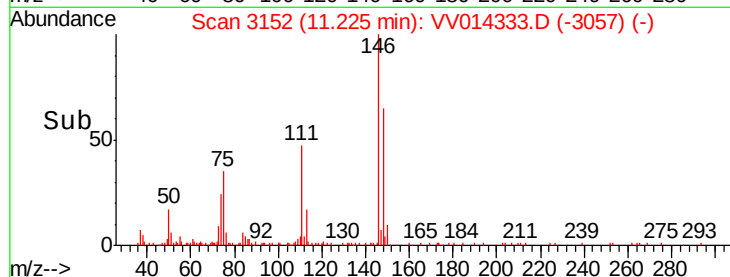
148 65.3 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.005 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV014333.D

Acq: 17 Jan 2020 13:13

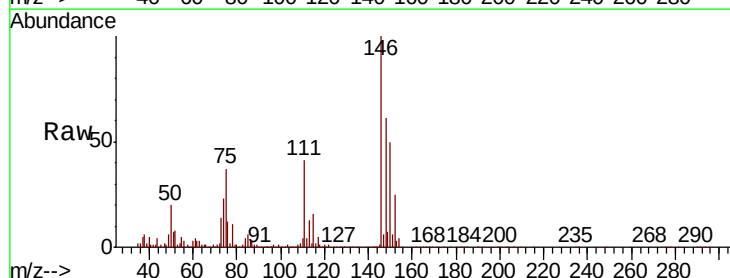
Tgt Ion:146 Resp: 112244

Ion Ratio Lower Upper

146 100

111 41.4 28.8 53.4

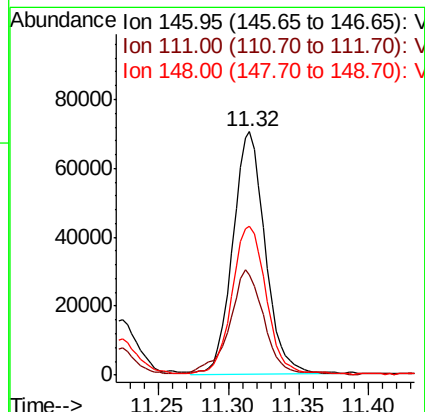
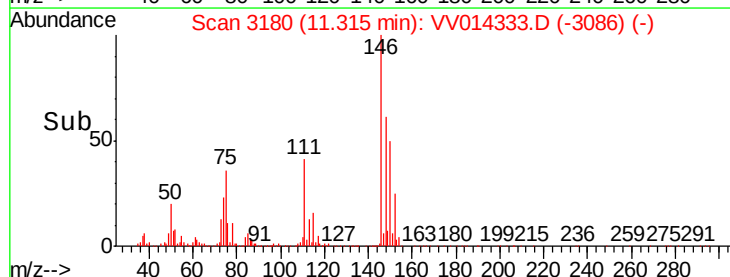
148 61.3 44.5 82.7

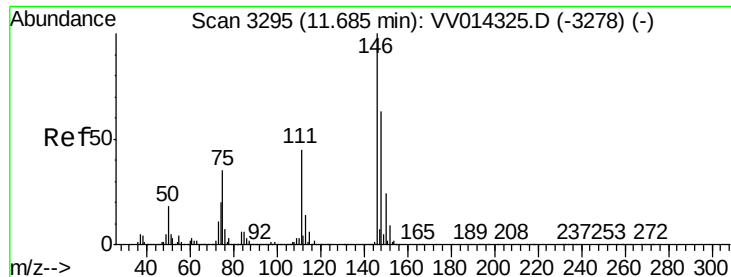


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

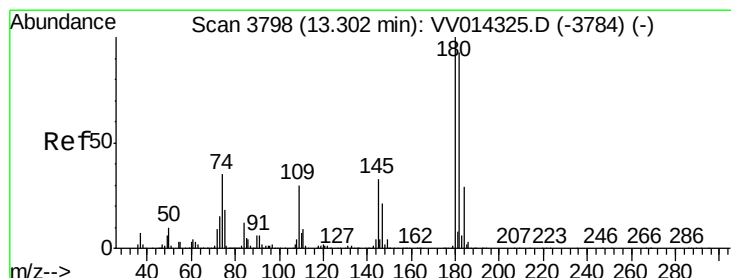
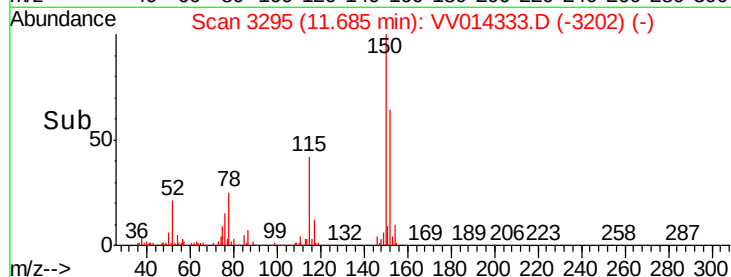
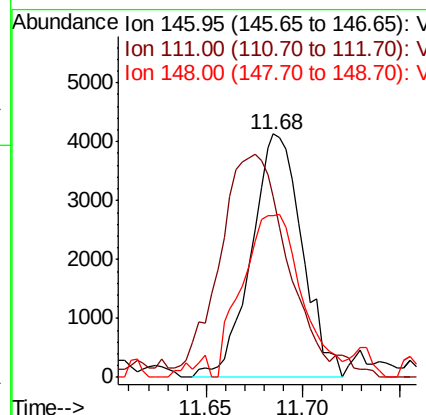
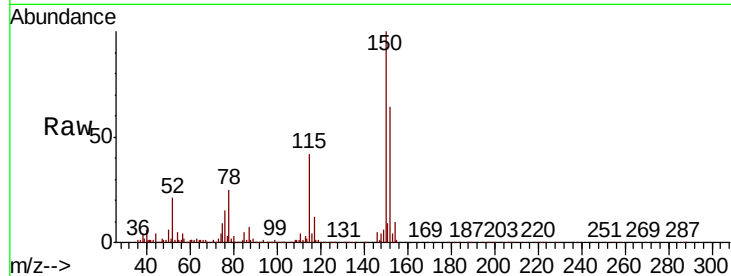




#65
 1,2-Dichlorobenzene
 Concen: 0.074 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

Instrument :
 MSVOA_V
 ClientSampled :
 BF761

Tot Ion:146 Resp: 7545
 Ion Ratio Lower Upper
 146 100
 111 74.2 36.4 54.6#
 148 66.4 51.3 76.9



#68
 1,2,4-trichlorobenzene
 Concen: 0.168 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: VV014333.D
 Acq: 17 Jan 2020 13:13

Tgt Ion:180 Resp: 12060
 Ion Ratio Lower Upper
 180 100
 182 98.1 75.2 112.8
 145 39.0 26.2 39.4

