

Data File : VV012577.D
Acq On : 04 Sep 2019 19:44
Operator : SY/MD
Sample : K4685-12
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD81

Quant Time: Sep 05 01:32:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 05 01:26:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	77247	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	79485	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	24405	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31217	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	38682	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	58024	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.94	46	111265	77.83	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.66%#
24) Chloroform-d	4.40	84	54470	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	40093	6.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	134.00%#
32) Benzene-d6	5.10	84	104010	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	36964	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.36	98	77898	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.66	79	12928	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.13	63	67079	69.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.36%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33933	6.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	136.40%#
64) 1,2-Dichlorobenzene-d4	11.67	152	25358	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

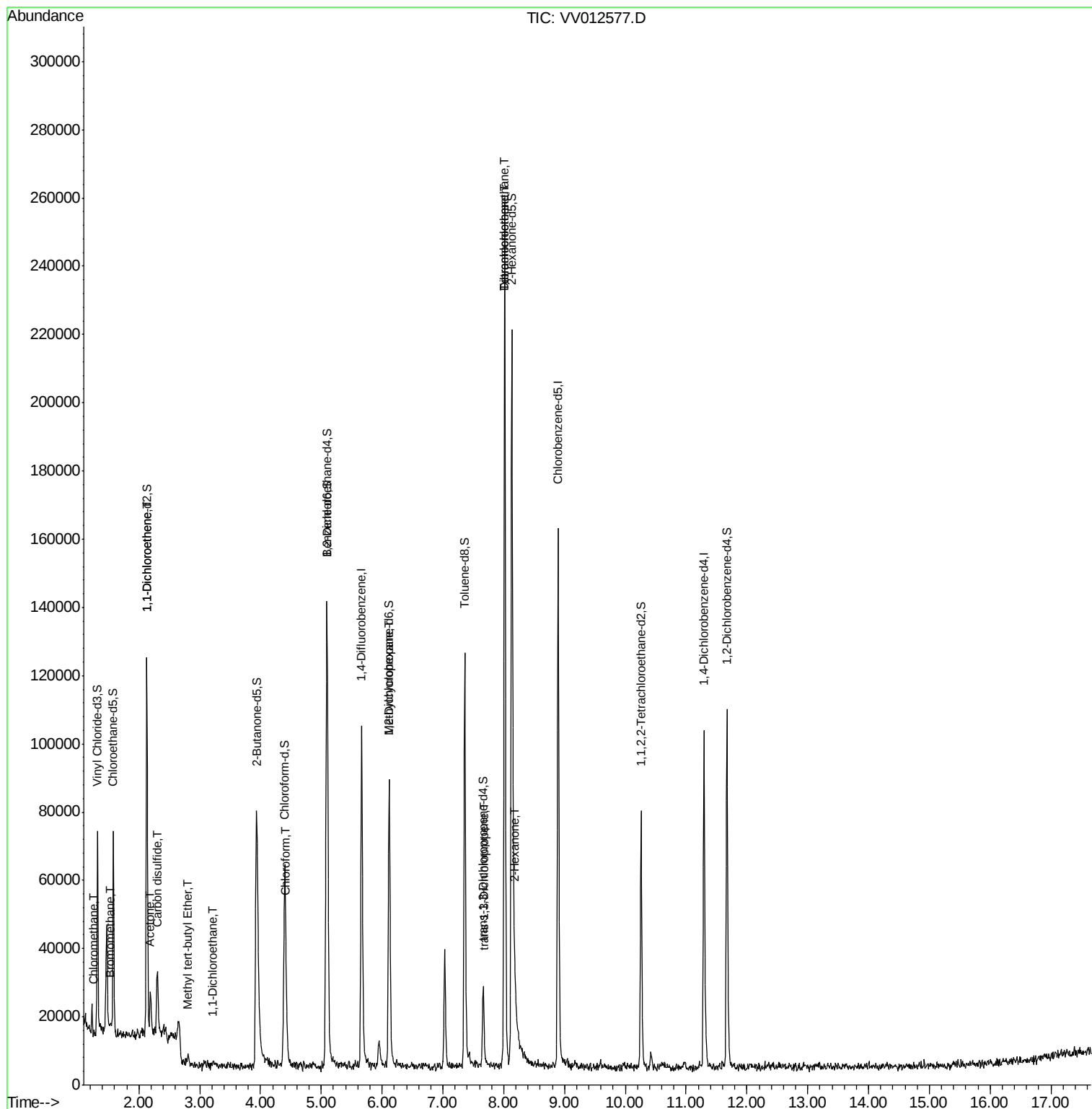
					Qvalue
3) Chloromethane	1.25	50	999	0.085 ug/L	99
6) Bromomethane	1.53	94	736	0.097 ug/L	90
12) 1,1-Dichloroethene	2.13	96	973	0.097 ug/L #	1
13) Acetone	2.19	43	9829	4.845 ug/L	91
14) Carbon disulfide	2.31	76	1454	0.045 ug/L #	78
17) Methyl tert-butyl Ether	2.81	73	2539	0.150 ug/L #	86
19) 1,1-Dichloroethane	3.22	63	931	0.061 ug/L #	51
25) Chloroform	4.43	83	7085	0.440 ug/L	99
35) Methylcyclohexane	6.11	83	8839	0.643 ug/L #	17
44) trans-1,3-Dichloropropene	7.68	75	812	0.090 ug/L	84
47) Tetrachloroethene	8.02	164	50212	7.685 ug/L	96
48) 2-Hexanone	8.18	43	8519	2.396 ug/L #	89
49) Dibromochloromethane	8.02	129	48385	7.527 ug/L #	10

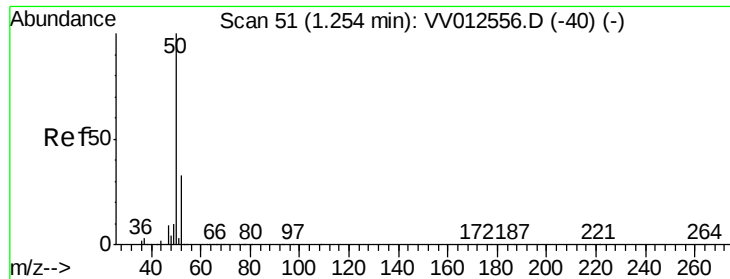
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

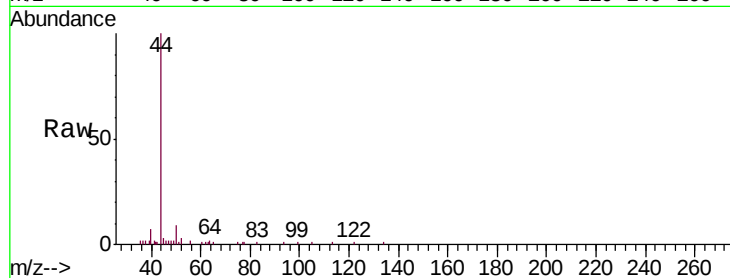
BFD81

Tgt Ion: 50 Resp: 999

Ion Ratio Lower Upper

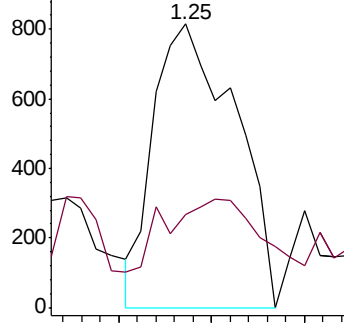
50 100

52 32.8 23.5 43.7

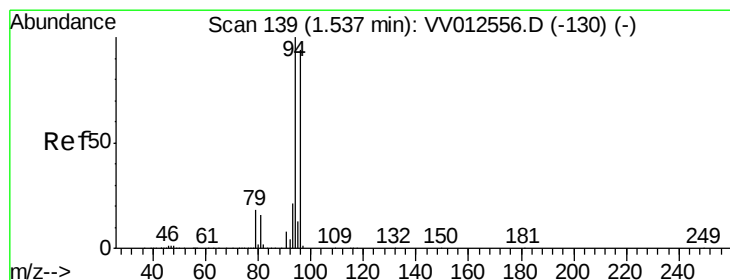
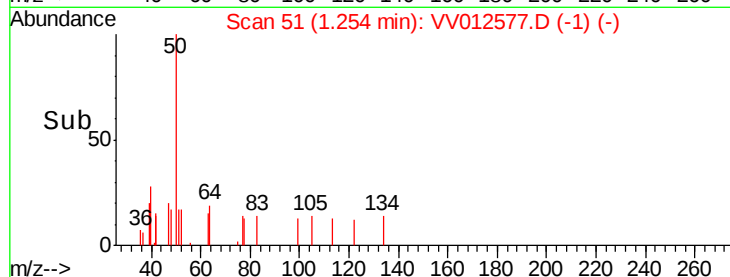


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->



#6

Bromomethane

Concen: 0.097 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012577.D

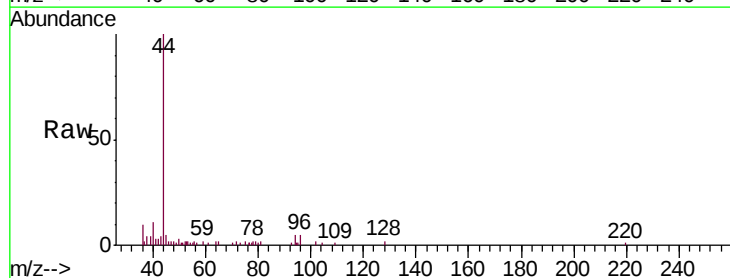
Acq: 04 Sep 2019 19:44

Tgt Ion: 94 Resp: 736

Ion Ratio Lower Upper

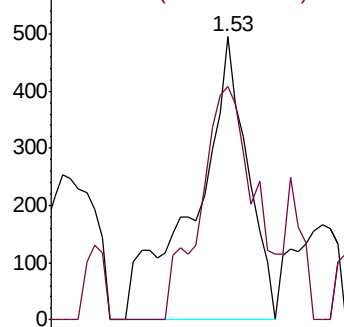
94 100

96 82.4 64.3 119.3

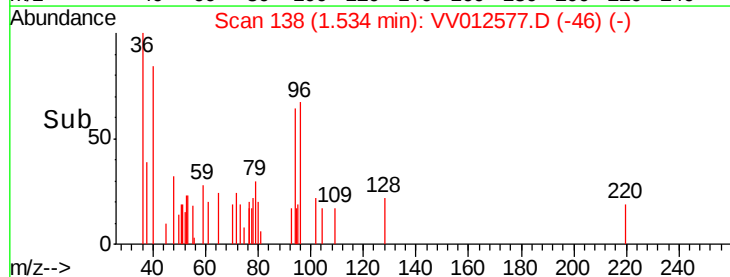


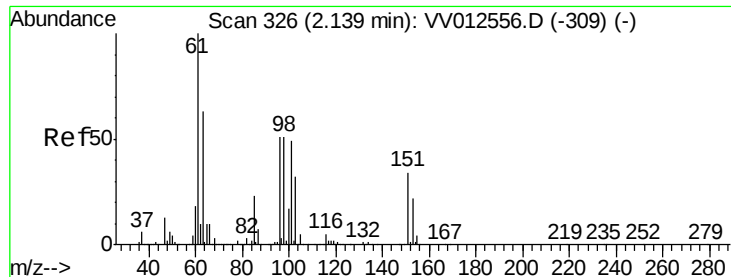
Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->





#12

1,1-Dichloroethene

Concen: 0.097 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

BFD81

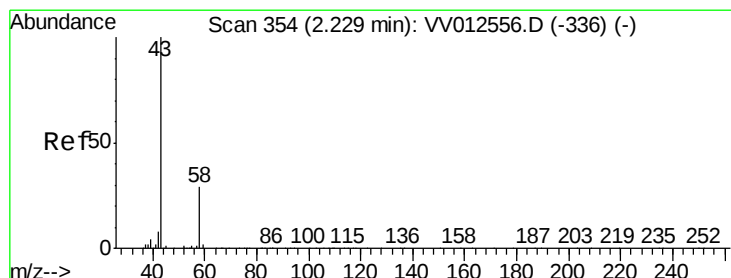
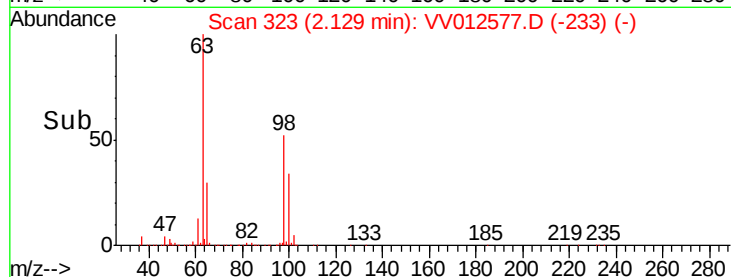
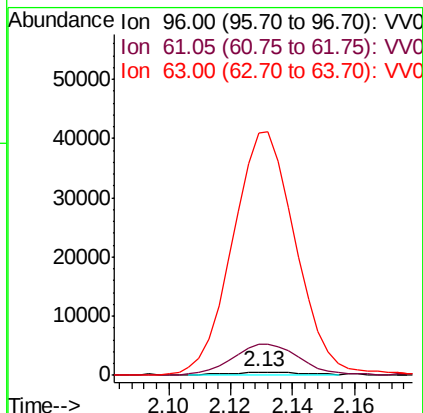
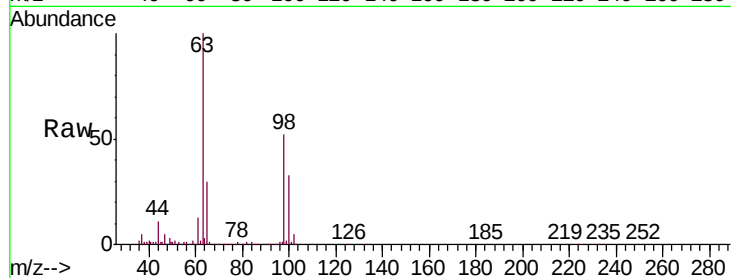
Tgt Ion: 96 Resp: 973

Ion Ratio Lower Upper

96 100

61 899.0 133.7 248.3#

63 7048.3 83.2 154.6#



#13

Acetone

Concen: 4.845 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012577.D

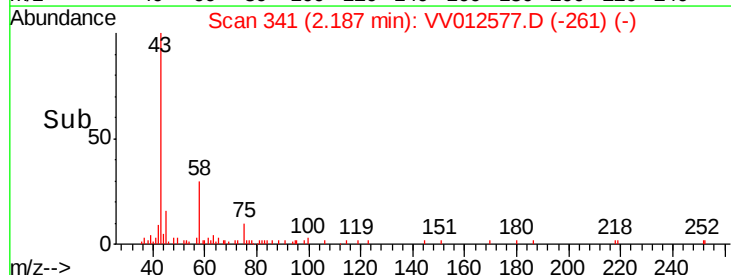
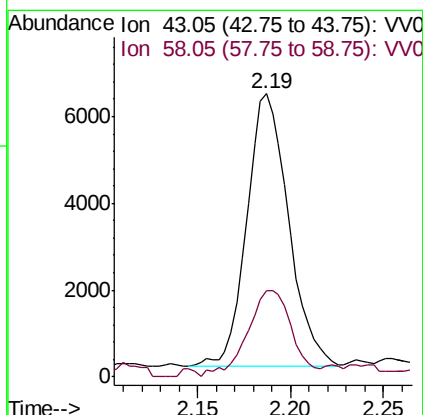
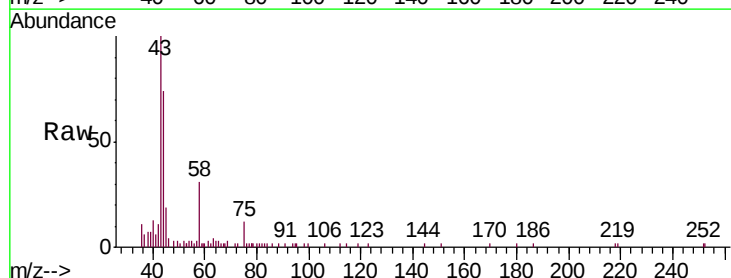
Acq: 04 Sep 2019 19:44

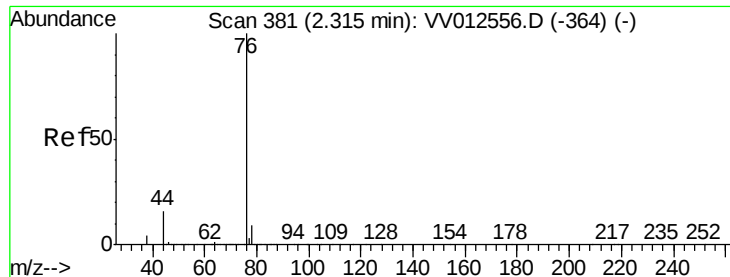
Tgt Ion: 43 Resp: 9829

Ion Ratio Lower Upper

43 100

58 33.8 0.0 58.2





#14

Carbon disulfide

Concen: 0.045 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

MSVOA_V

ClientSampled :

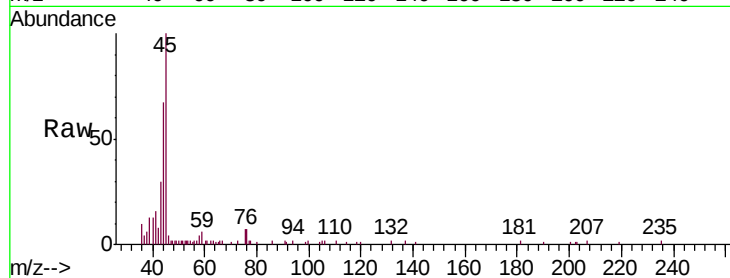
BFD81

Tgt Ion: 76 Resp: 1454

Ion Ratio Lower Upper

76 100

78 17.3 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

1200

1000

800

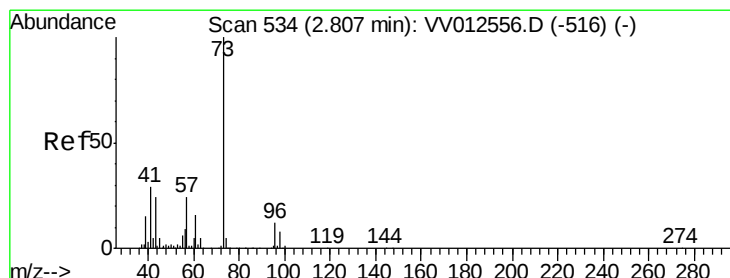
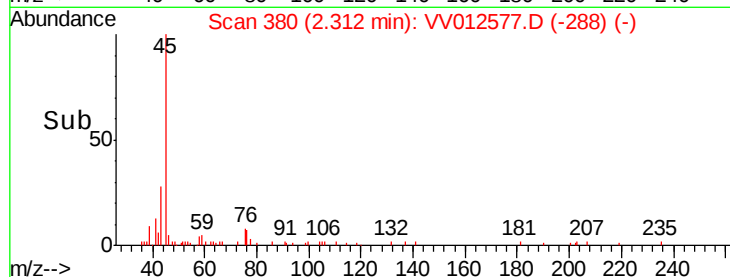
600

400

200

0

Time--> 2.25 2.30 2.35



#17

Methyl tert-butyl Ether

Concen: 0.150 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

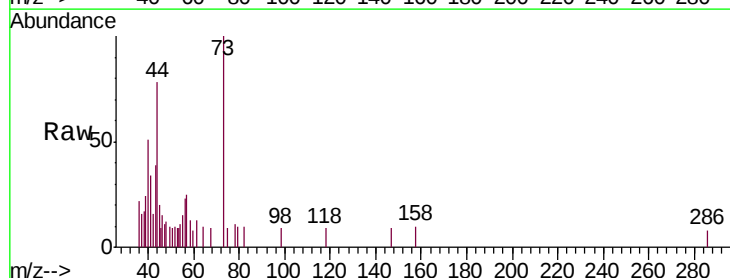
Tgt Ion: 73 Resp: 2539

Ion Ratio Lower Upper

73 100

43 24.5 18.9 28.3

57 10.5 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

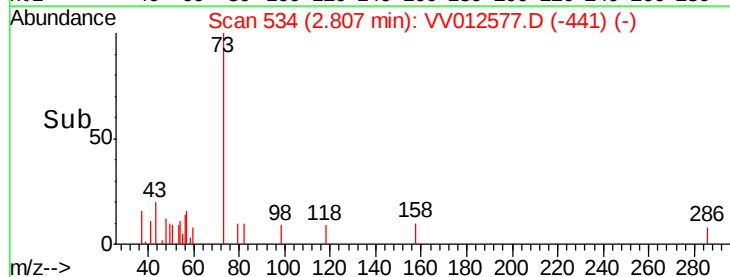
1500

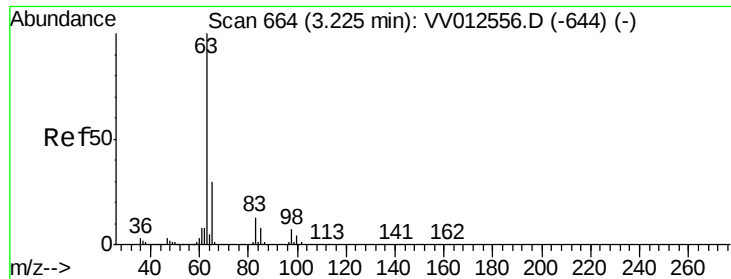
1000

500

0

Time--> 2.75 2.80 2.85





#19

1,1-Dichloroethane

Concen: 0.061 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.01 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

BFD81

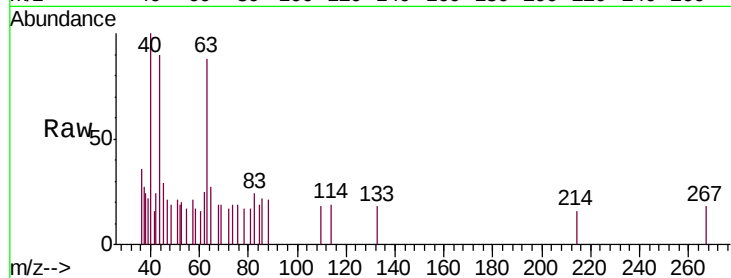
Tgt Ion: 63 Resp: 931

Ion Ratio Lower Upper

63 100

65 0.0 21.5 39.9#

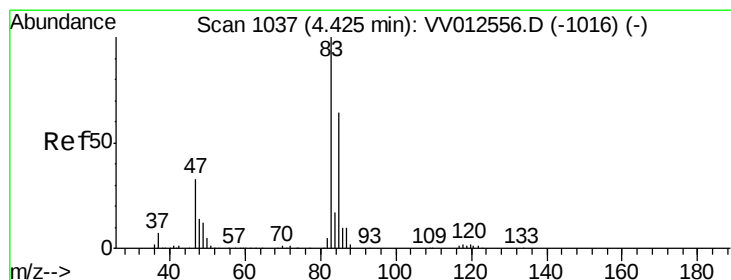
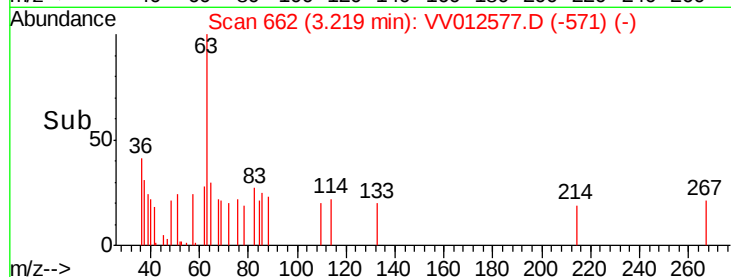
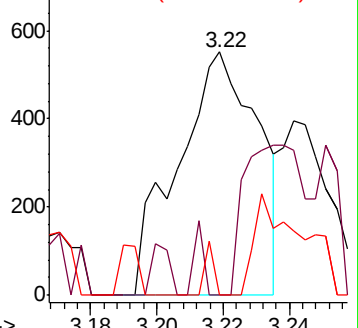
83 0.0 9.1 16.9#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#25

Chloroform

Concen: 0.440 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012577.D

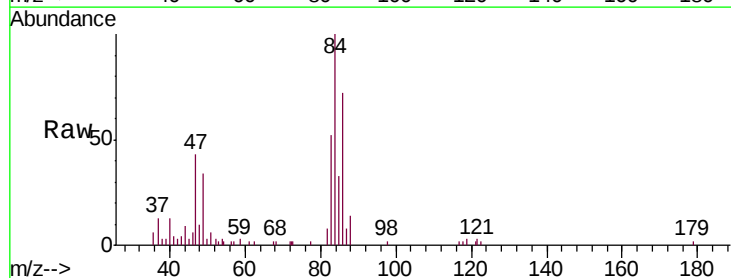
Acq: 04 Sep 2019 19:44

Tgt Ion: 83 Resp: 7085

Ion Ratio Lower Upper

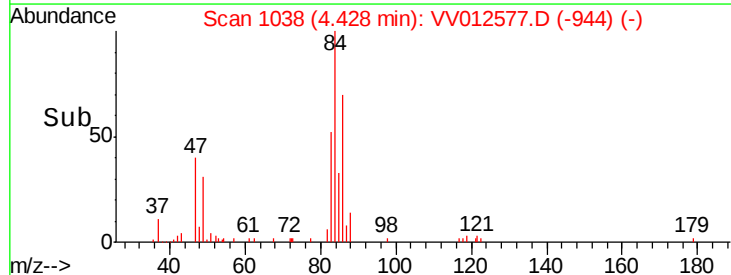
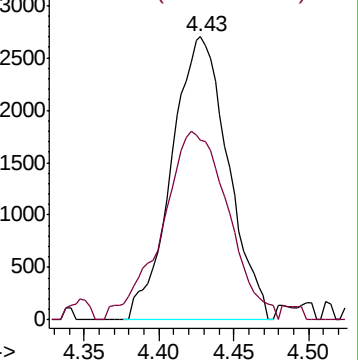
83 100

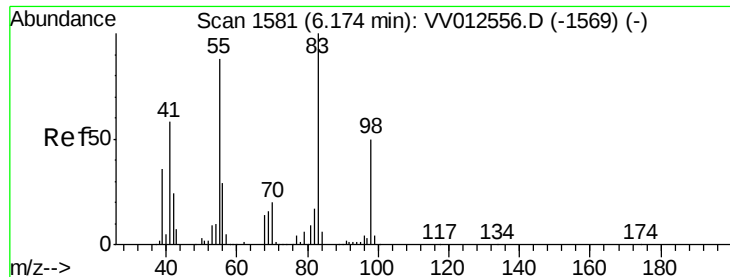
85 63.4 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#35

Methylcyclohexane

Concen: 0.643 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

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ClientSampleId :

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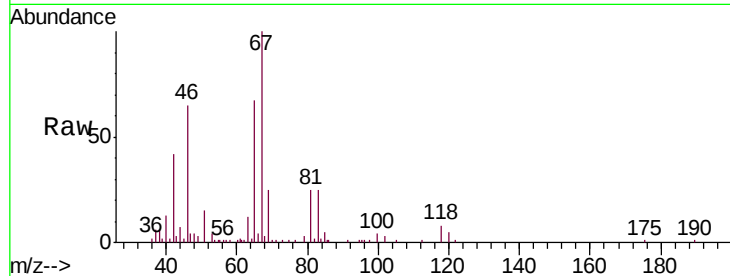
Tgt Ion: 83 Resp: 8839

Ion Ratio Lower Upper

83 100

55 0.9 67.3 100.9#

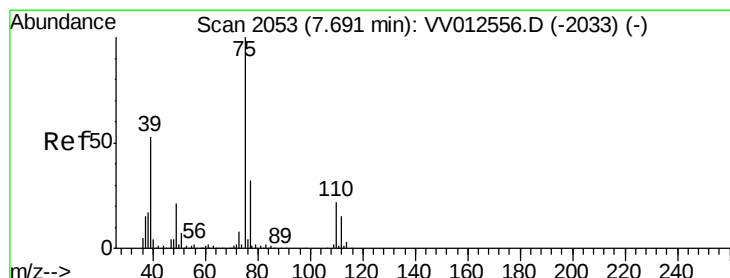
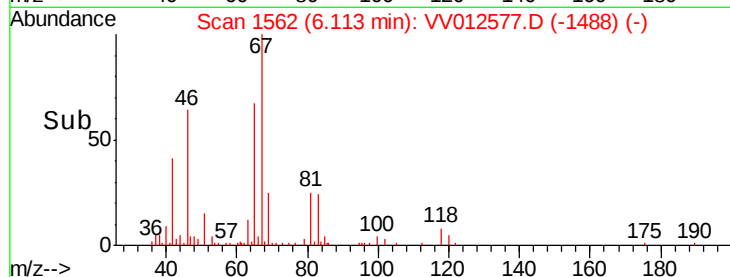
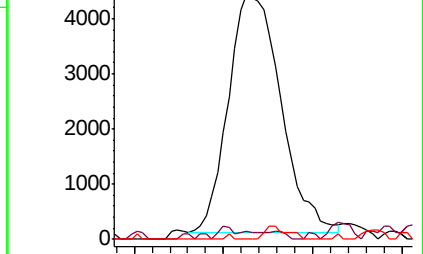
98 2.4 37.4 56.2#



Abundance Ion 83.15 (82.85 to 83.85): VV012556.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012556.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012556.D (-1569) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. -0.01 min

Lab File: VV012577.D

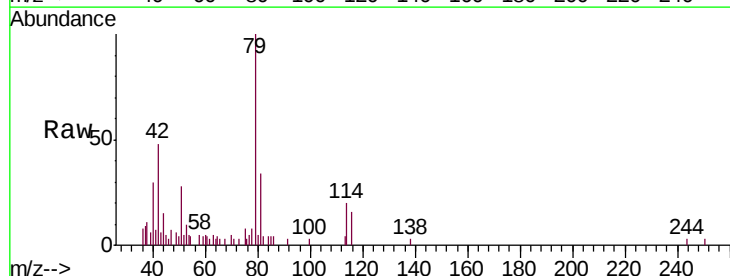
Acq: 04 Sep 2019 19:44

Tgt Ion: 75 Resp: 812

Ion Ratio Lower Upper

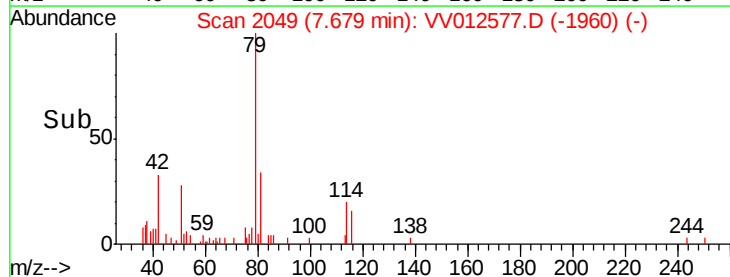
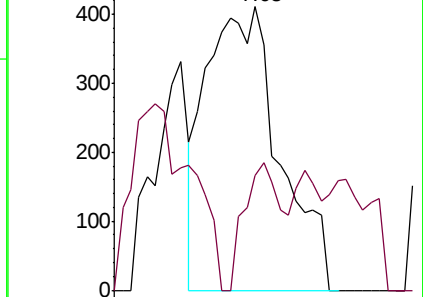
75 100

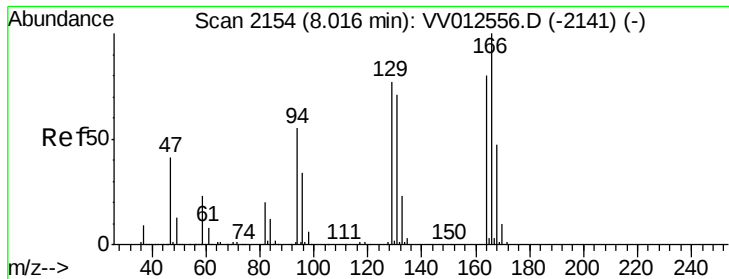
77 40.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012556.D (-2033) (-)

Ion 77.05 (76.75 to 77.75): VV012556.D (-2033) (-)

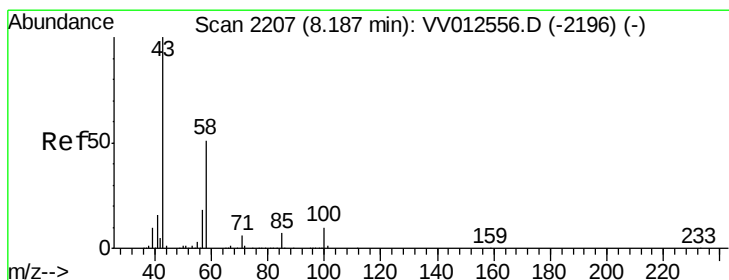
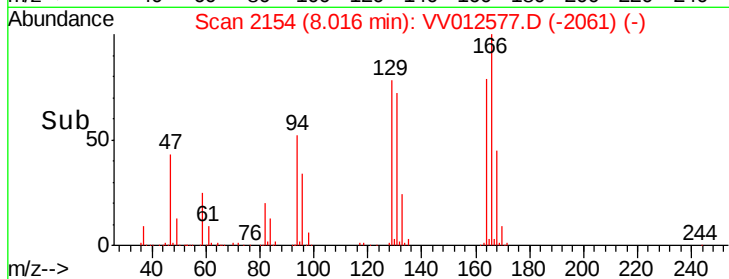
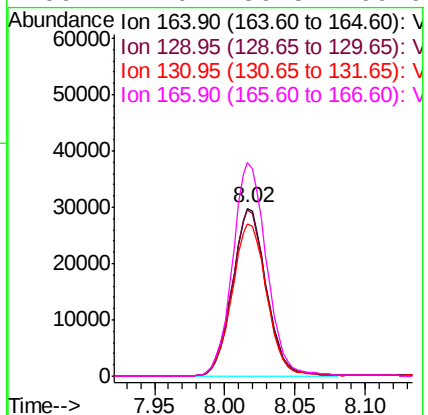
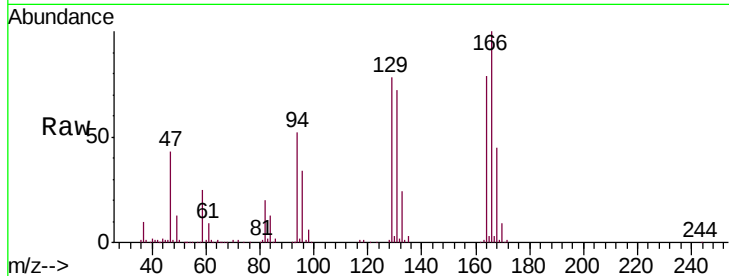




#47
Tetrachloroethene
Concen: 7.685 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV012577.D
Acq: 04 Sep 2019 19:44

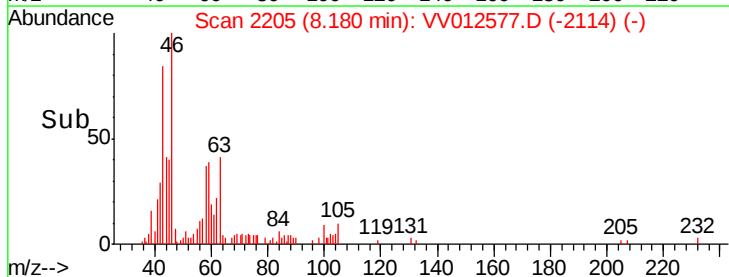
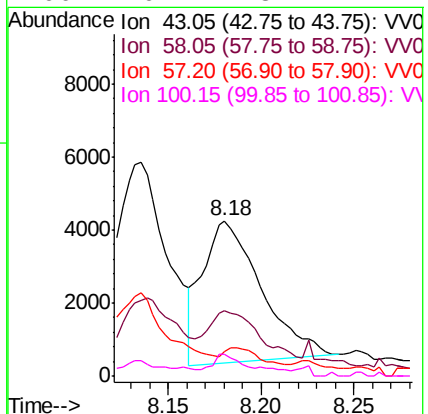
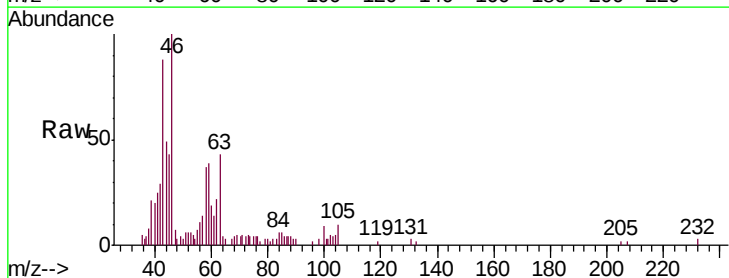
Instrument :
MSVOA_V
ClientSampleId :
BFD81

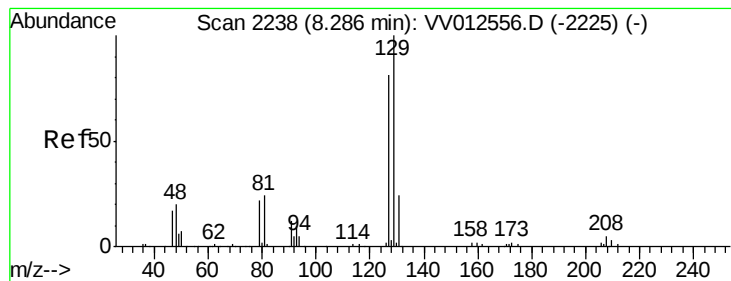
Tgt Ion:	164	Resp:	50212
Ion	Ratio	Lower	Upper
164	100		
129	99.3	64.5	119.9
131	90.9	62.3	115.7
166	127.0	86.5	160.6



#48
2-Hexanone
Concen: 2.396 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012577.D
Acq: 04 Sep 2019 19:44

Tgt Ion:	43	Resp:	8519
Ion	Ratio	Lower	Upper
43	100		
58	42.7	40.0	60.0
57	9.7	13.4	20.2
100	10.4	8.2	12.2





#49

Dibromochloromethane

Concen: 7.527 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012577.D

Acq: 04 Sep 2019 19:44

Instrument :

MSVOA_V

ClientSampleId :

BFD81

Tgt Ion:129 Resp: 48385

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#

