

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122019\
 Data File : VV014151.D
 Acq On : 20 Dec 2019 15:06
 Operator : SY/MD
 Sample : K6286-14DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDZ0DL

Quant Time: Dec 21 02:34:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 21 02:31:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	365780	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	367191	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	161880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115209	5.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	101429	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.13	63	147495	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.92	46	244590	51.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.94%
24) Chloroform-d	4.40	84	224266	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	107158	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.09	84	422764	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.11	67	135432	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	343274	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.66	79	44138	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.13	63	158486	39.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.20%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	95542	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	134519	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

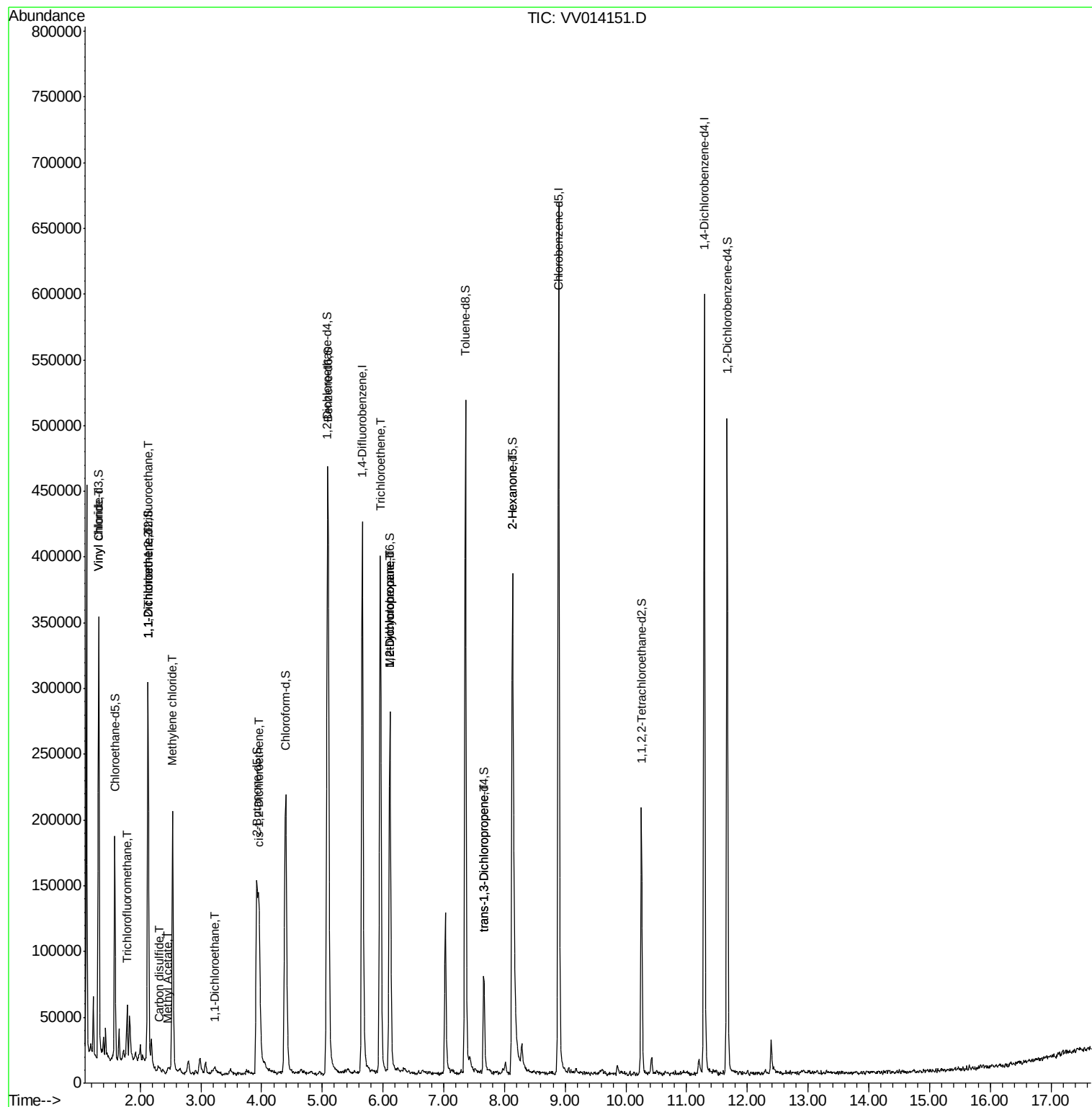
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	3321	0.152	ug/L #	18
9) Trichlorofluoromethane	1.77	101	2839	0.084	ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1674	0.083	ug/L #	19
12) 1,1-Dichloroethene	2.14	96	2545	0.145	ug/L #	1
14) Carbon disulfide	2.32	76	2638	0.065	ug/L #	88
15) Methyl Acetate	2.45	43	2078	0.282	ug/L #	61
16) Methylene chloride	2.53	84	77155	3.203	ug/L	94
19) 1,1-Dichloroethane	3.23	63	4721	0.119	ug/L #	90
22) cis-1,2-Dichloroethene	3.96	96	53531	2.299	ug/L	100
34) Trichloroethene	5.96	95	135390	5.449	ug/L	98
35) Methylcyclohexane	6.11	83	31867	0.961	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	14479	0.625	ug/L #	85
44) trans-1,3-Dichloropropene	7.67	75	2318	0.090	ug/L	91
48) 2-Hexanone	8.13	43	22923	2.378	ug/L #	67

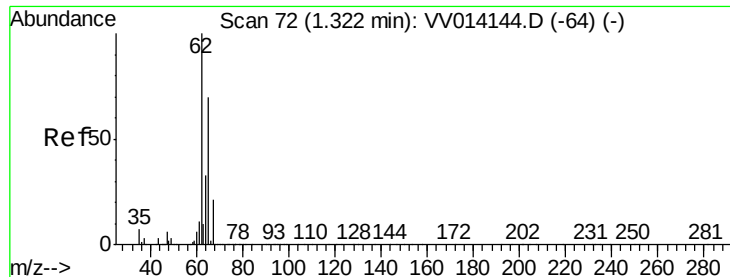
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 21 02:31:50 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.152 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

Instrument :

MSVOA_V

ClientSampleId :

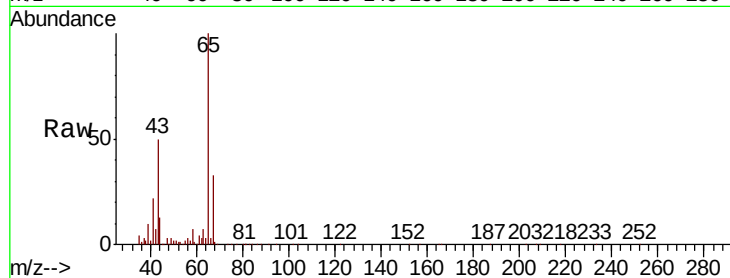
BFDZ0DL

Tot Ion: 62 Resp: 3321

Ion Ratio Lower Upper

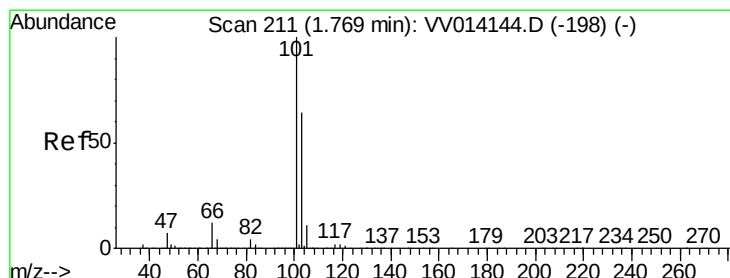
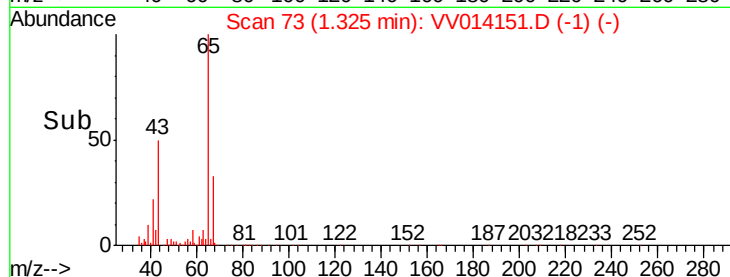
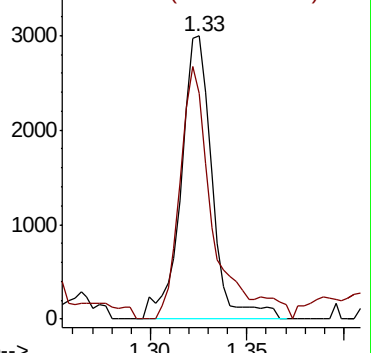
62 100

64 80.0 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV014144.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV014151.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.084 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014151.D

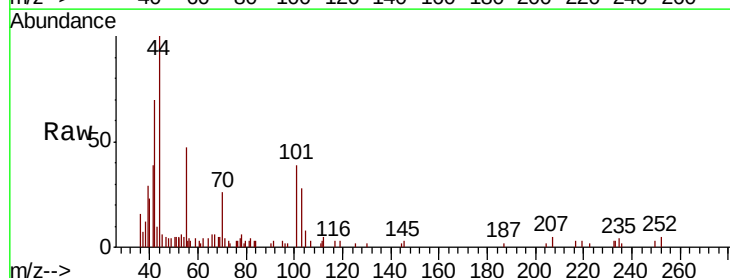
Acq: 20 Dec 2019 15:06

Tgt Ion: 101 Resp: 2839

Ion Ratio Lower Upper

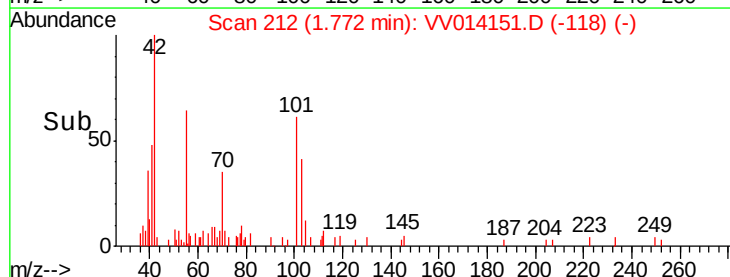
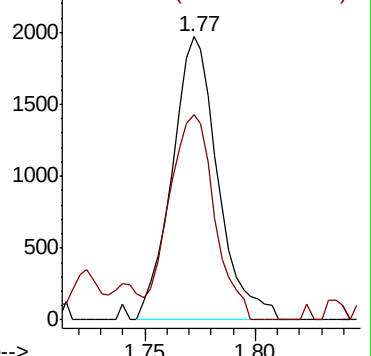
101 100

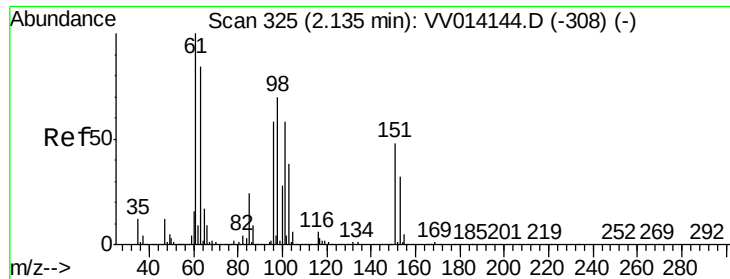
103 71.7 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV014144.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV014151.D (-118) (-)





#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

Instrument :

MSVOA_V

ClientSampleId :

BFDZ0DL

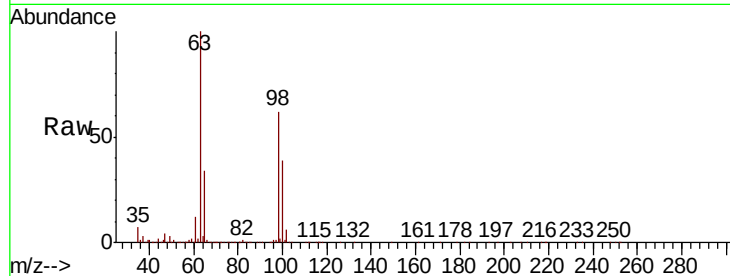
Tot Ion:101 Resp: 1674

Ion Ratio Lower Upper

101 100

85 7.7 33.4 50.0#

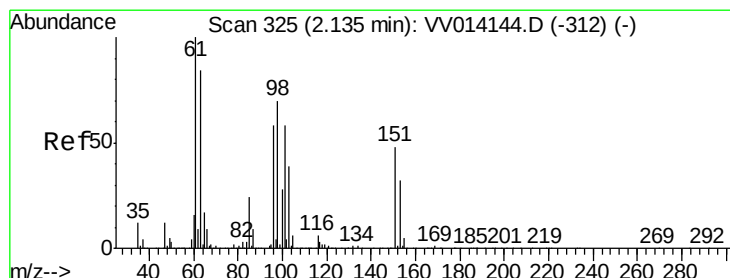
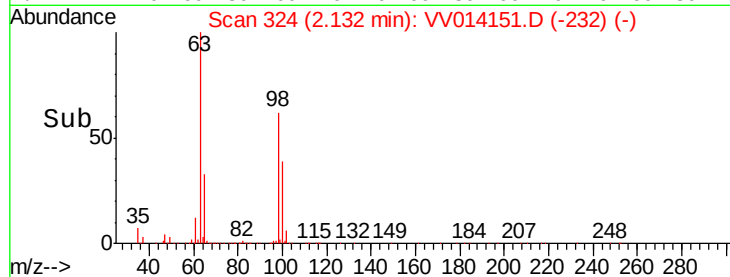
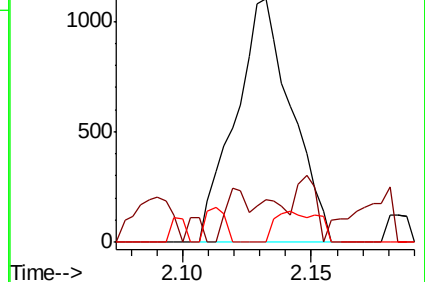
151 0.0 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): VV014151.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV014151.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV014151.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.145 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

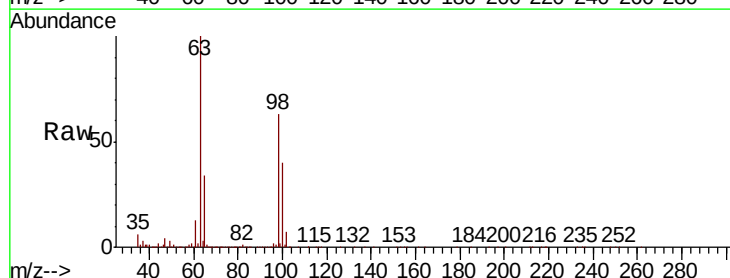
Tgt Ion: 96 Resp: 2545

Ion Ratio Lower Upper

96 100

61 827.1 116.3 215.9#

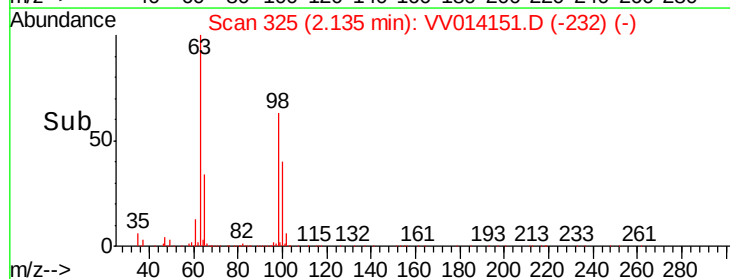
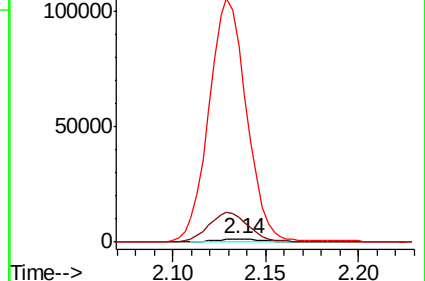
63 6521.8 96.7 179.7#

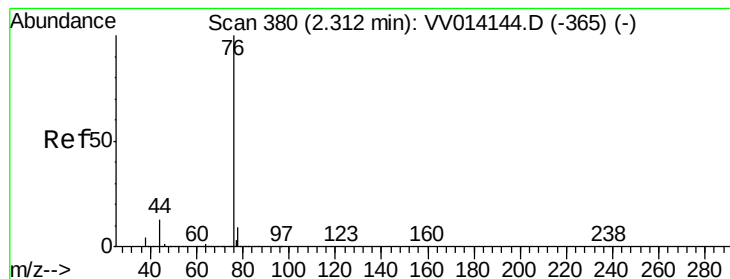


Abundance Ion 96.00 (95.70 to 96.70): VV014151.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV014151.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV014151.D (-232) (-)





#14

Carbon disulfide

Concen: 0.065 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

Instrument :

MSVOA_V

ClientSampleId :

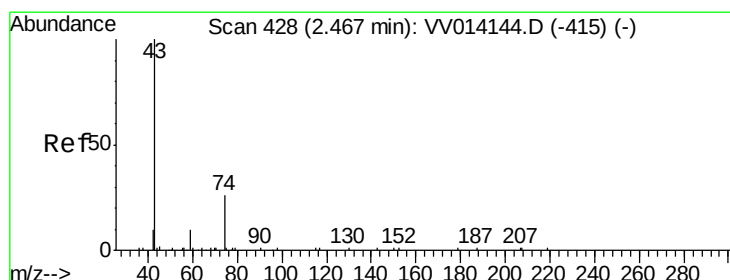
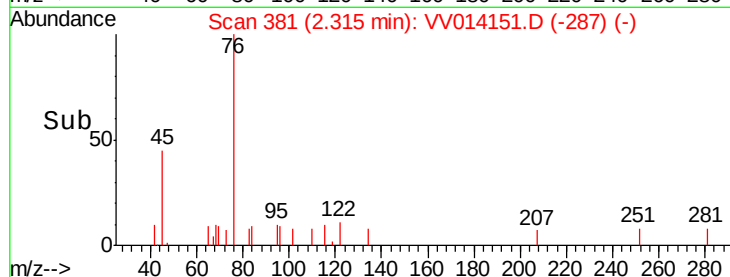
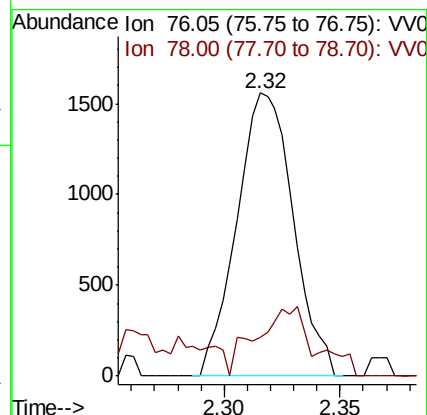
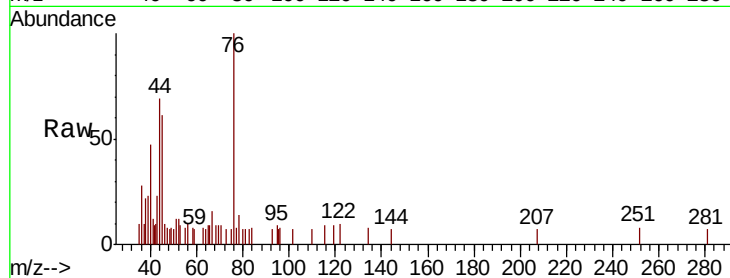
BFDZ0DL

Tot Ion: 76 Resp: 2638

Ion Ratio Lower Upper

76 100

78 13.6 7.5 11.3#



#15

Methyl Acetate

Concen: 0.282 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV014151.D

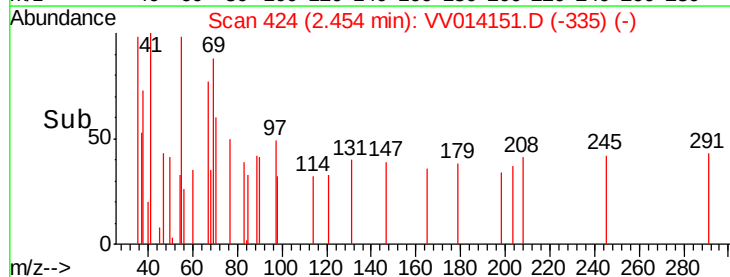
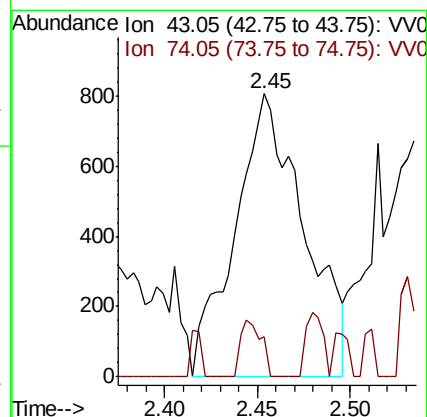
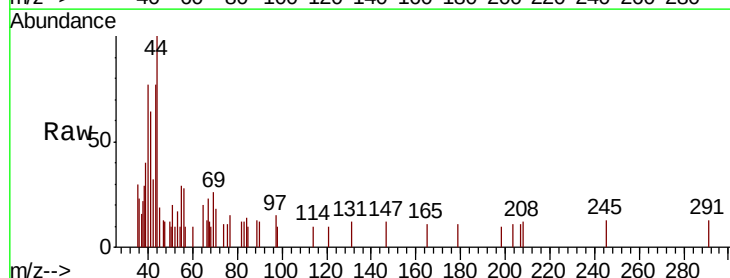
Acq: 20 Dec 2019 15:06

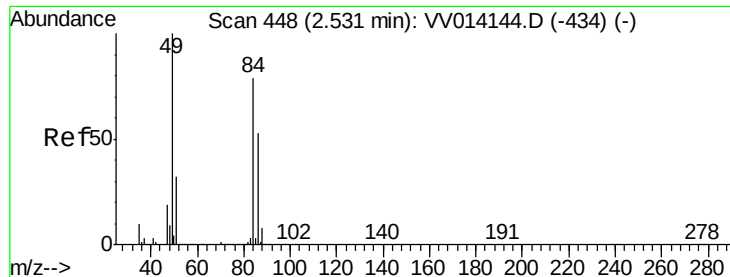
Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

74 6.1 20.5 30.7#

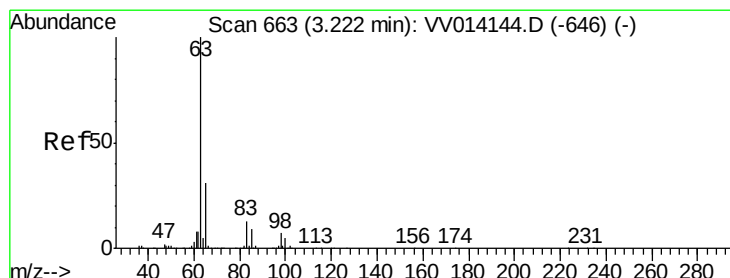
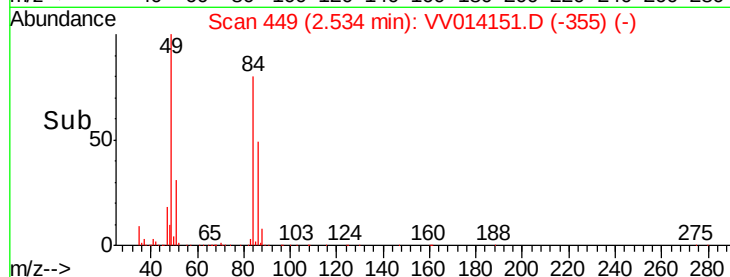
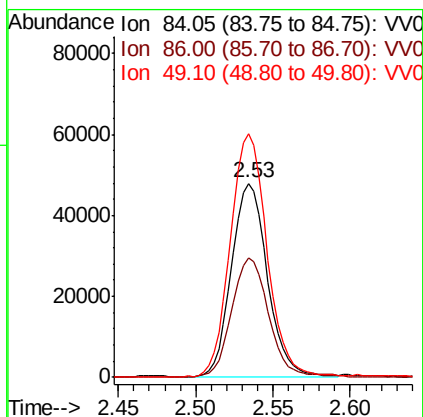
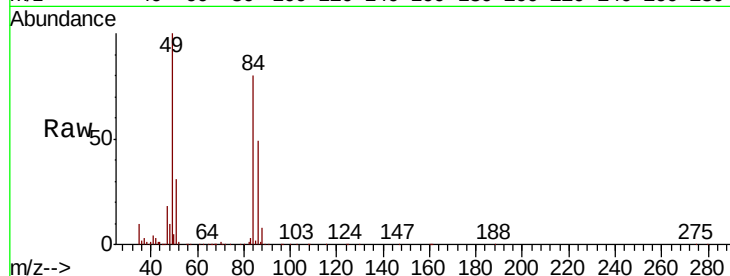




#16
Methylene chloride
Concen: 3.203 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

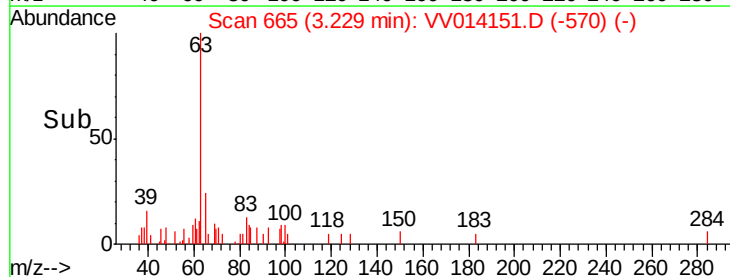
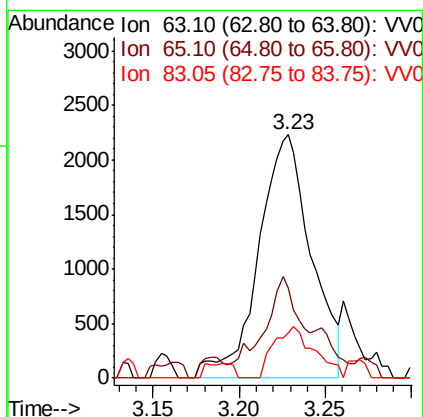
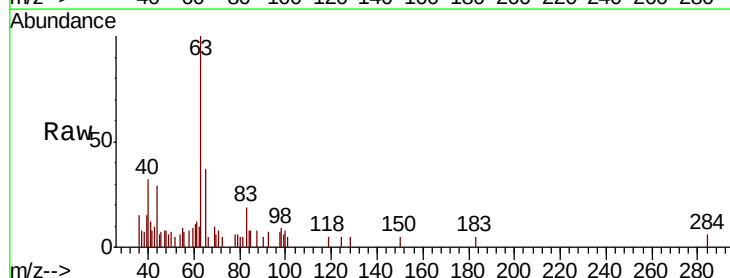
Instrument :
MSVOA_V
ClientSampleId :
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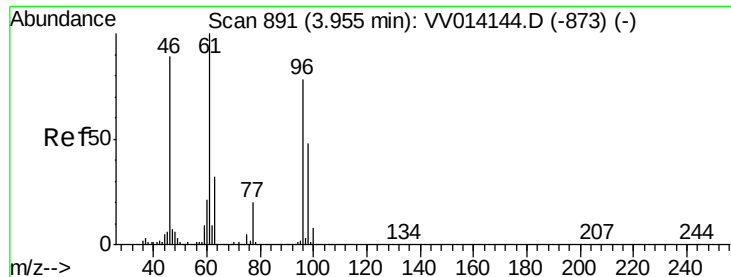
Tot Ion: 84 Resp: 77155
Ion Ratio Lower Upper
84 100
86 61.4 44.0 81.6
49 125.6 81.5 151.5



#19
1,1-Dichloroethane
Concen: 0.119 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.01 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

Tgt Ion: 63 Resp: 4721
Ion Ratio Lower Upper
63 100
65 37.1 22.7 42.1
83 18.6 9.2 17.2#



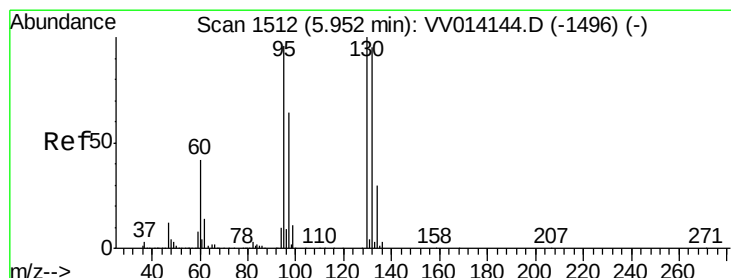
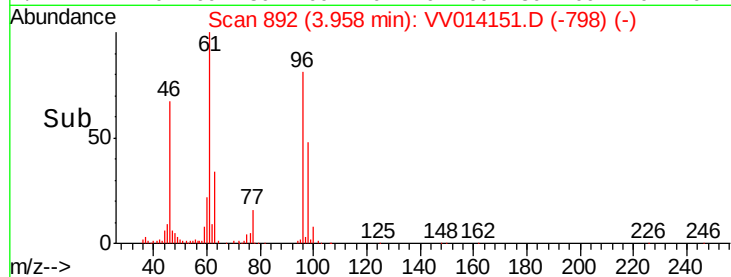
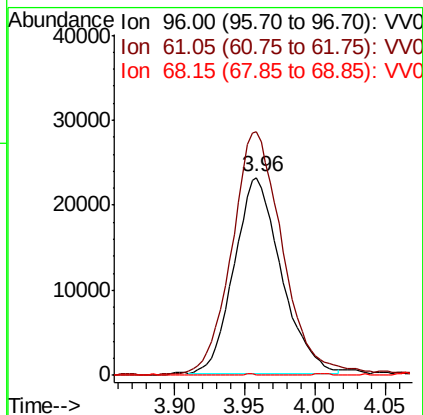
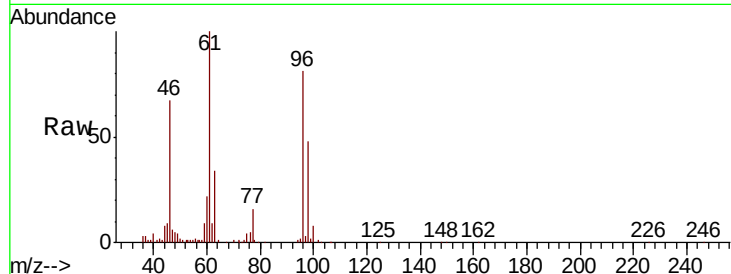


#22

cis-1,2-Dichloroethene
Concen: 2.299 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

Instrument :
MSVOA_V
ClientSampleId :
BFDZ0DL

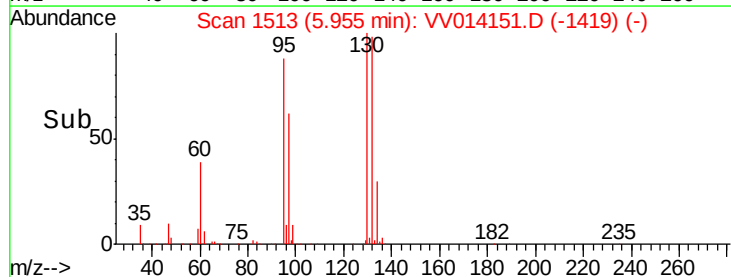
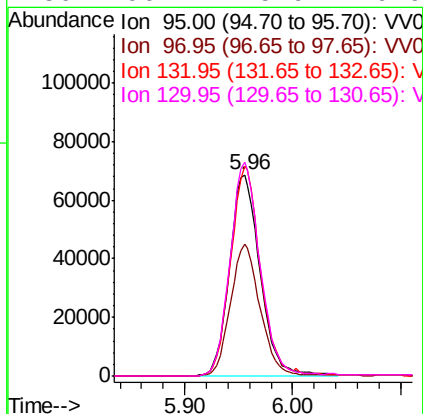
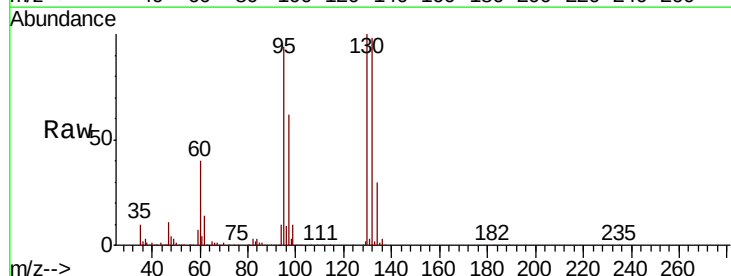
Tot Ion: 96 Resp: 53531
Ion Ratio Lower Upper
96 100
61 123.2 86.1 159.9
68 0.0 0.0 0.0

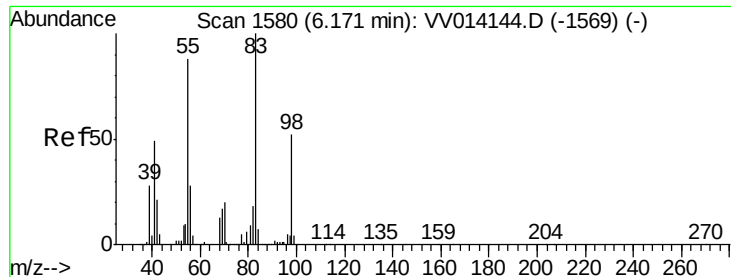


#34

Trichloroethene
Concen: 5.449 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

Tgt Ion: 95 Resp: 135390
Ion Ratio Lower Upper
95 100
97 65.7 45.6 84.8
132 103.9 70.5 130.9
130 106.1 75.9 140.9

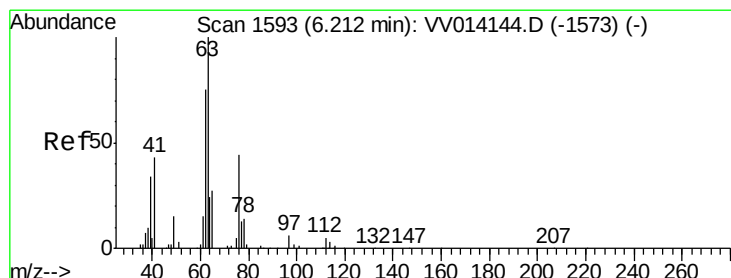
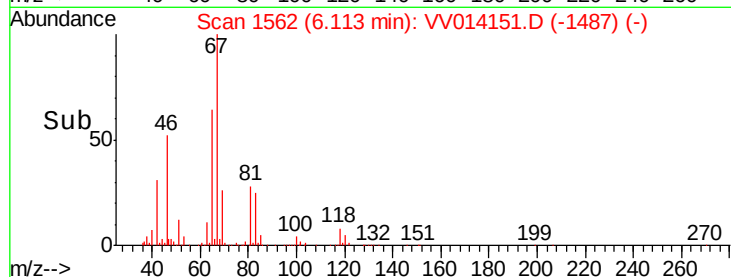
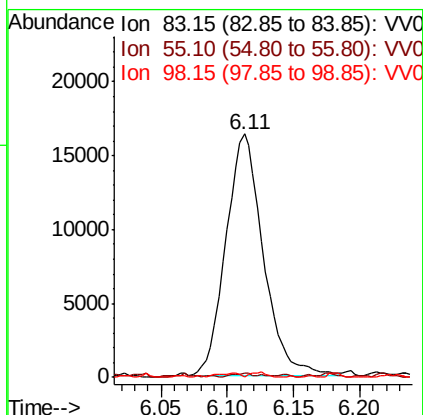
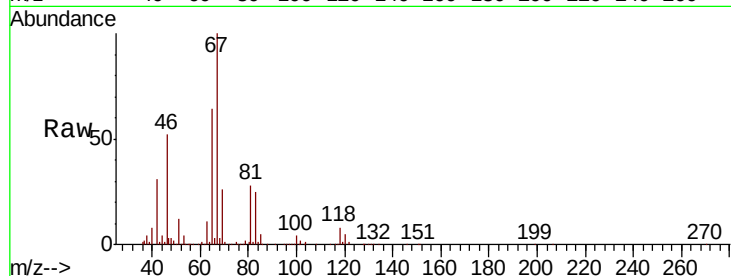




#35
Methylvlcyclohexane
Concen: 0.961 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

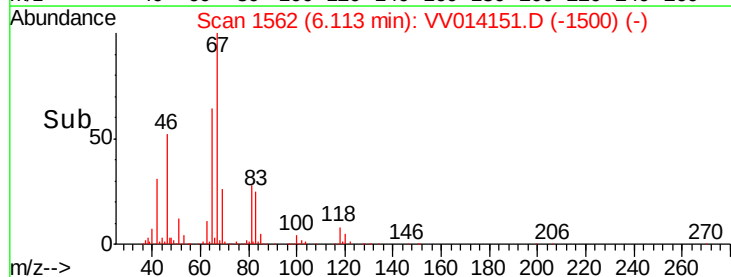
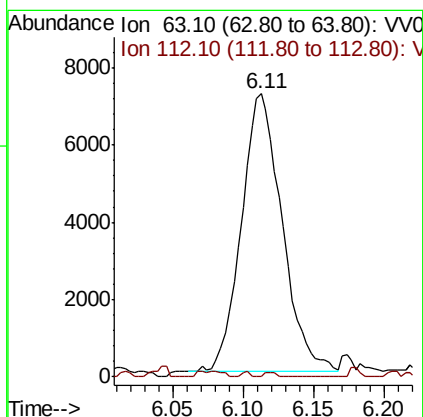
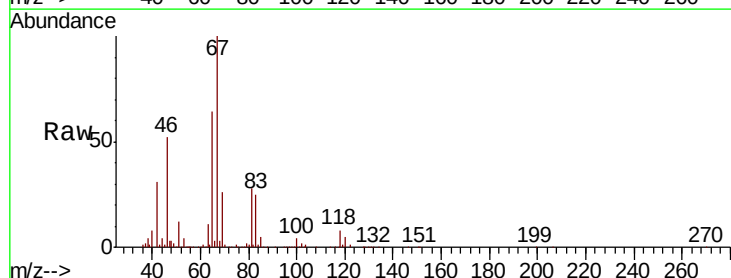
Instrument :
MSVOA_V
ClientSampleId :
BFDZ0DL

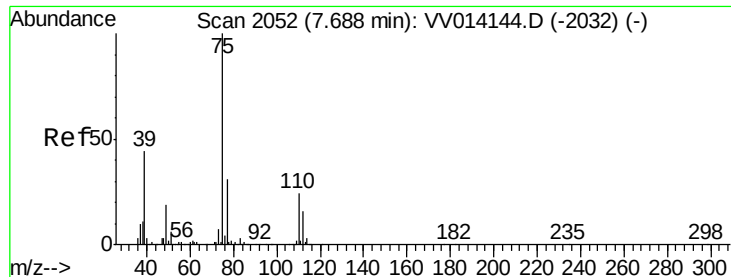
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.9	60.3	90.5#
98	1.0	38.1	57.1#



#37
1,2-Dichloropropane
Concen: 0.625 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014151.D
Acq: 20 Dec 2019 15:06

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.4	4.4	6.6#





#44

trans-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.02 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

Instrument :

MSVOA_V

ClientSampleId :

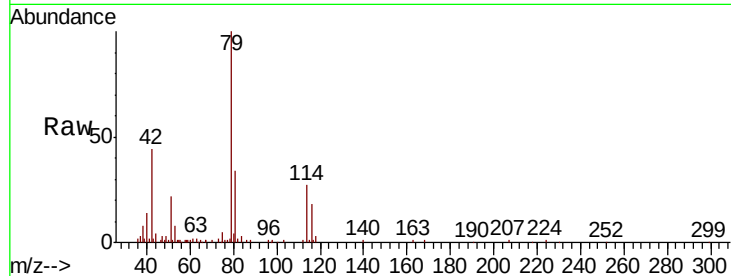
BFDZ0DL

Tot Ion: 75 Resp: 2318

Ion Ratio Lower Upper

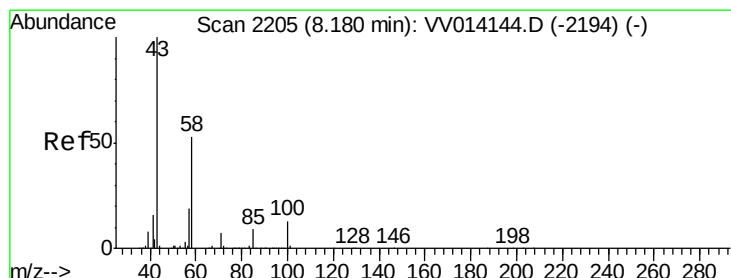
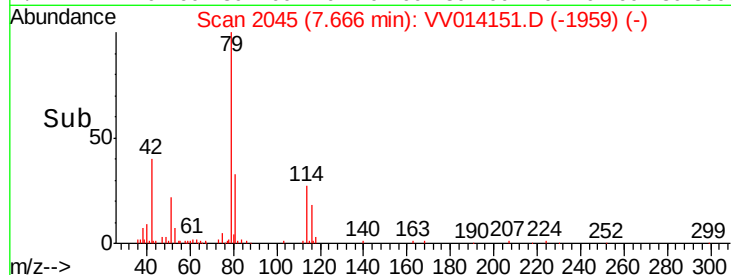
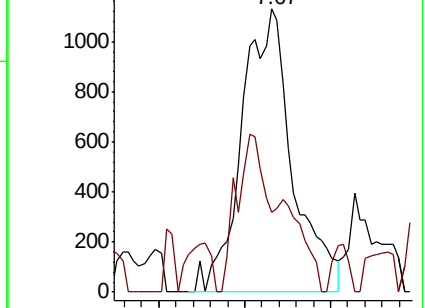
75 100

77 28.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 2.378 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV014151.D

Acq: 20 Dec 2019 15:06

Tgt Ion: 43 Resp: 22923

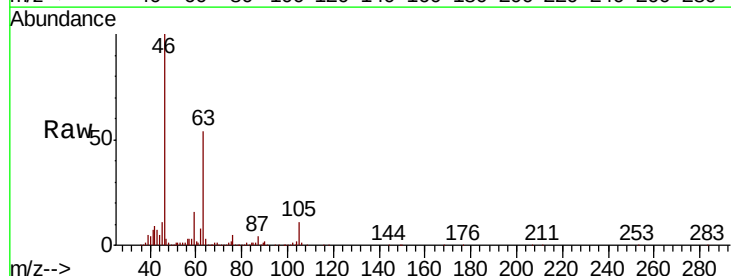
Ion Ratio Lower Upper

43 100

58 35.0 43.2 64.8#

57 43.5 15.4 23.2#

100 2.2 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

