

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122319\
 Data File : VV014175.D
 Acq On : 23 Dec 2019 22:19
 Operator : SY/MD
 Sample : K6404-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 24 01:38:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 24 01:34:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	403741	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	381620	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179877	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	130985	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	113994	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	165359	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	3.92	46	260514	47.67	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.34%
24) Chloroform-d	4.40	84	249047	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.08	65	123093	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.10	84	496308	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.11	67	153728	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.36	98	418588	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.66	79	46981	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.13	63	196158	45.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.34%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	97852	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	159995	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

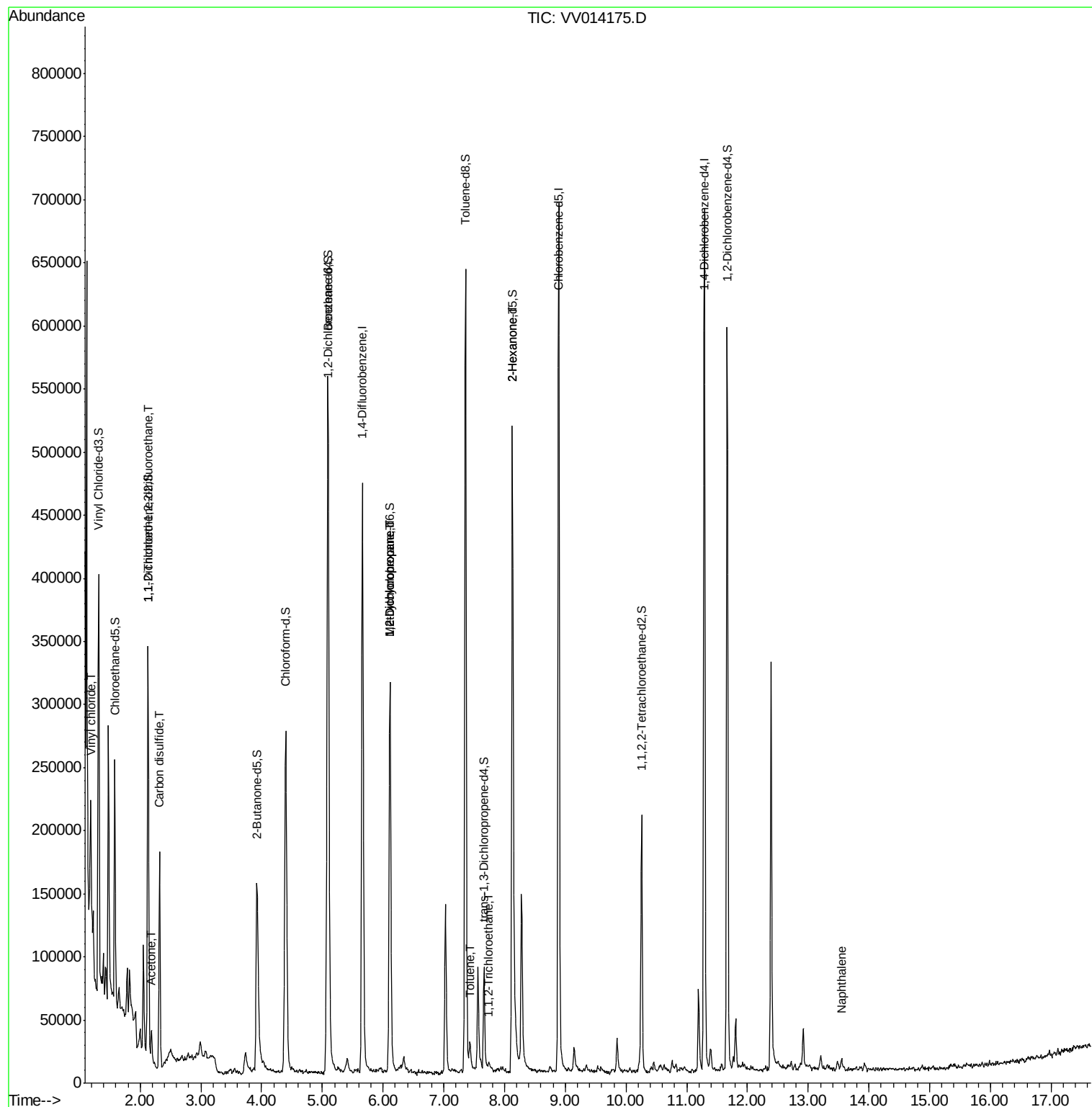
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.19	62	11941	0.380	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1793	0.075	ug/L #	23
13) Acetone	2.18	43	24411	5.484	ug/L	95
14) Carbon disulfide	2.32	76	197547	2.554	ug/L	100
35) Methylcyclohexane	6.12	83	36306	0.863	ug/L #	17
37) 1,2-Dichloropropane	6.11	63	16478	0.620	ug/L #	88
42) Toluene	7.43	91	14539	0.129	ug/L	93
45) 1,1,2-Trichloroethane	7.74	97	3226	0.175	ug/L #	19
48) 2-Hexanone	8.13	43	25798	2.440	ug/L #	72
69) Naphthalene	13.55	128	6417	0.139	ug/L #	90

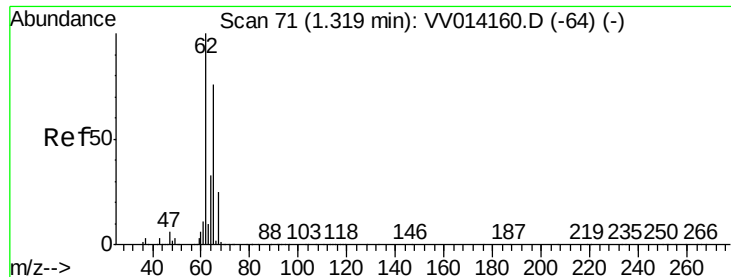
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 24 01:34:37 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.380 ug/L

RT: 1.19 min Scan# 30

Delta R.T. -0.13 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

Instrument :

MSVOA_V

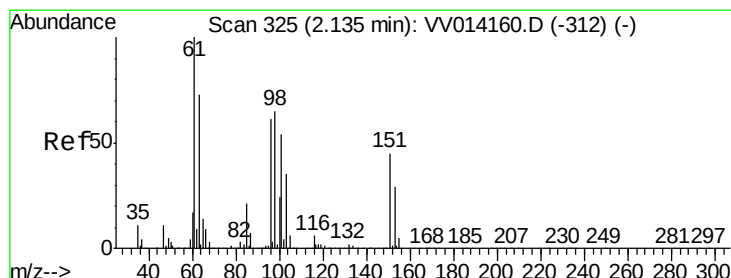
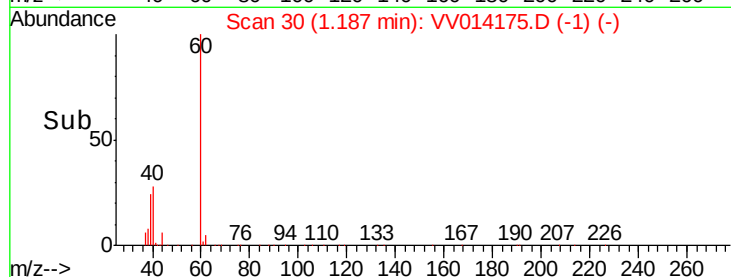
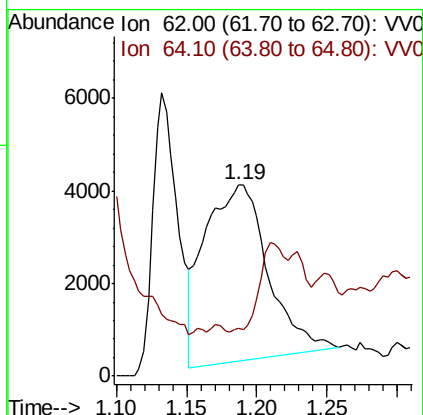
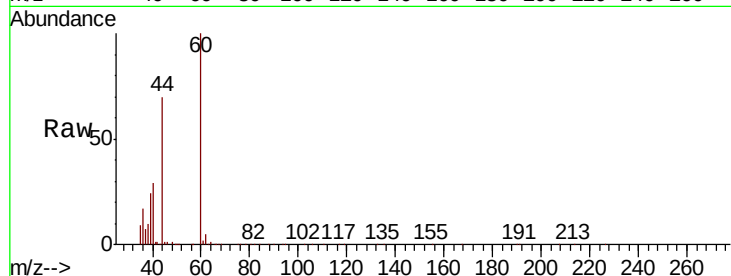
ClientSampleId :

Tot Ion: 62 Resp: 11941

Ion Ratio Lower Upper

62 100

64 25.1 22.0 40.8



#10

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

Concen: 0.075 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

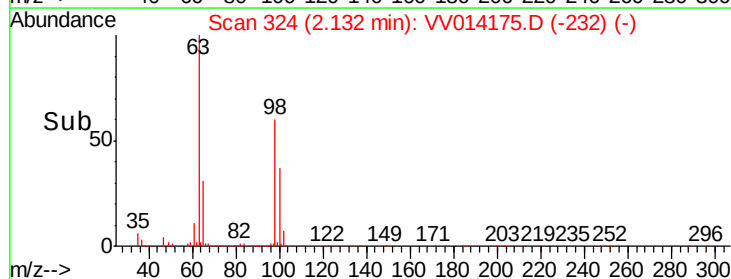
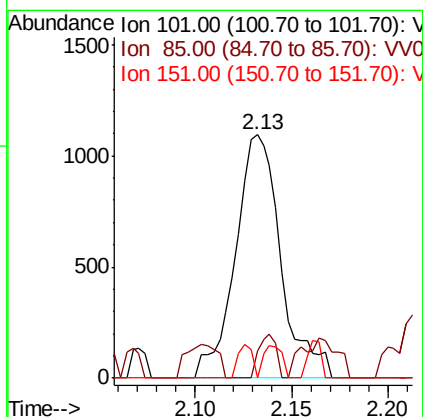
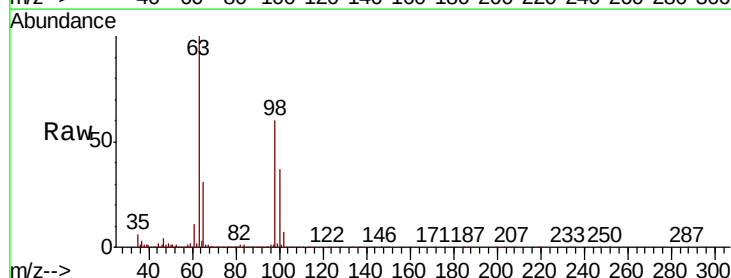
Tgt Ion: 101 Resp: 1793

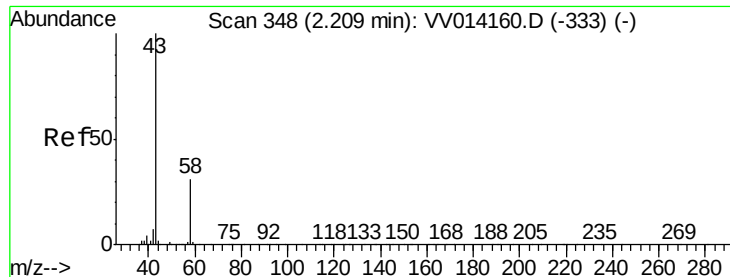
Ion Ratio Lower Upper

101 100

85 7.0 34.7 52.1#

151 5.6 69.1 103.7#





#13

Acetone

Concen: 5.484 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

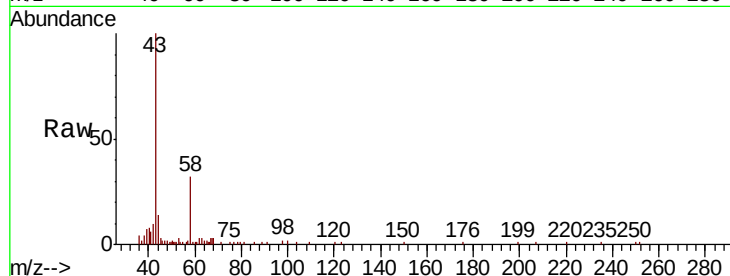
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 24411

Ion Ratio Lower Upper

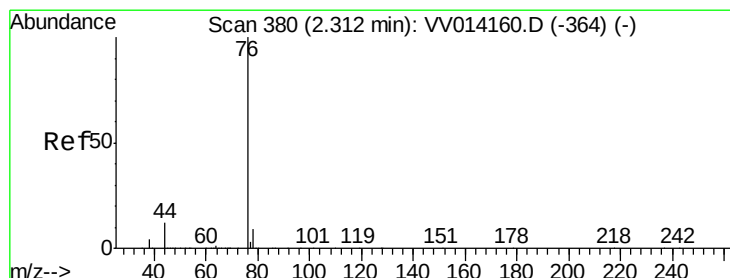
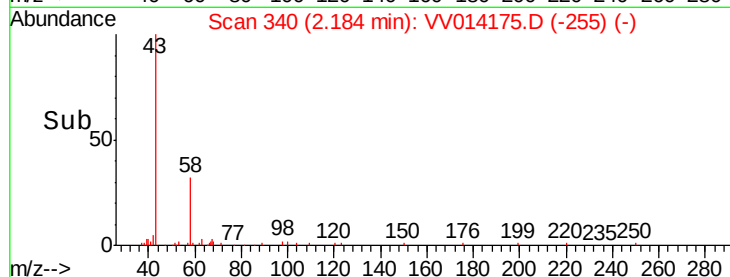
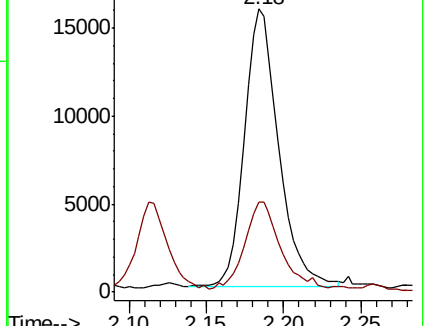
43 100

58 32.2 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VV014160.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014160.D (-333) (-)



#14

Carbon disulfide

Concen: 2.554 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV014175.D

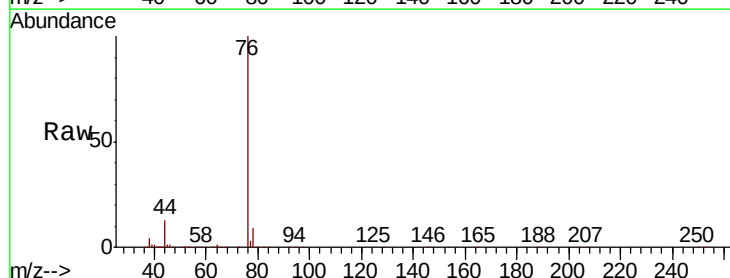
Acq: 23 Dec 2019 22:19

Tgt Ion: 76 Resp: 197547

Ion Ratio Lower Upper

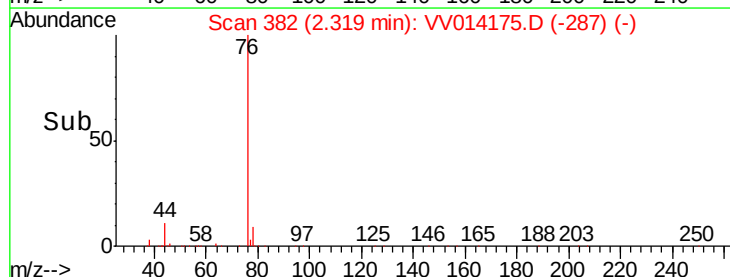
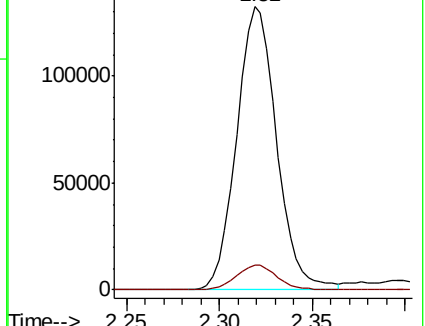
76 100

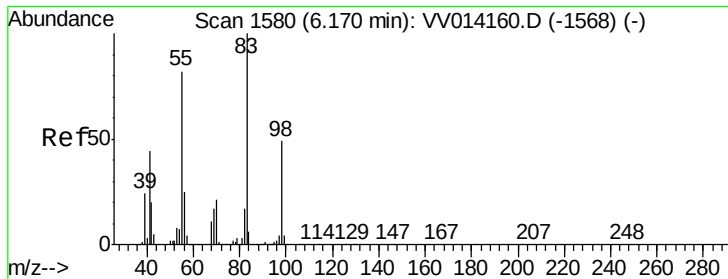
78 8.7 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV014160.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV014160.D (-364) (-)





#35

Methylvlcyclohexane

Concen: 0.863 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

Instrument :

MSVOA_V

ClientSampleId :

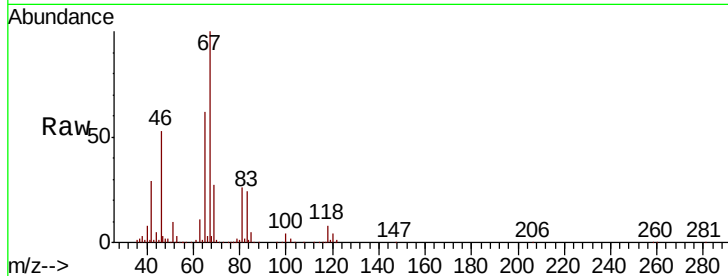
Tot Ion: 83 Resp: 36306

Ion Ratio Lower Upper

83 100

55 0.6 65.3 97.9#

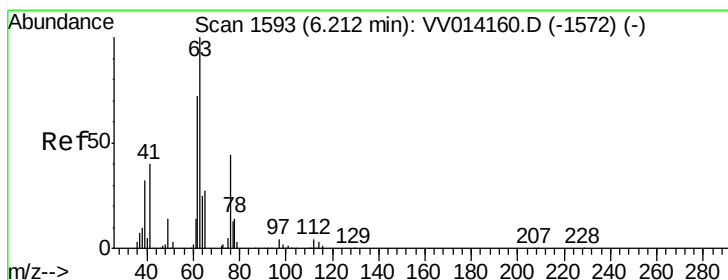
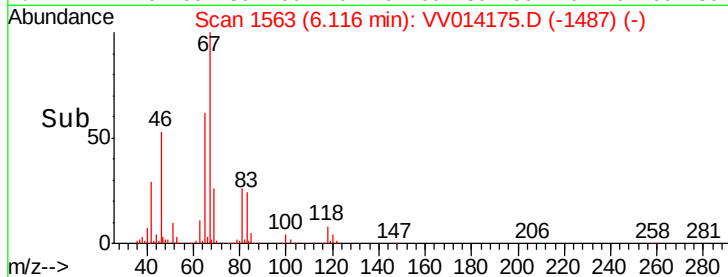
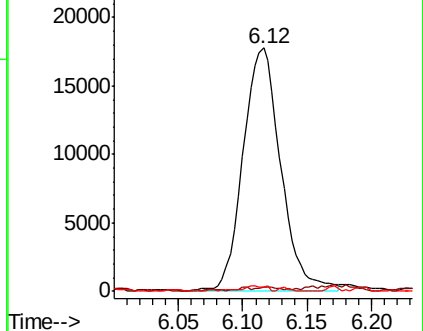
98 1.6 39.2 58.8#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014175.D

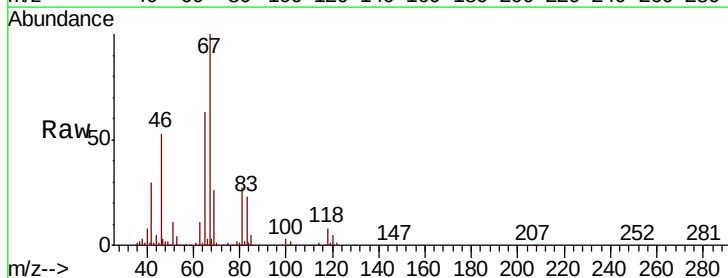
Acq: 23 Dec 2019 22:19

Tgt Ion: 63 Resp: 16478

Ion Ratio Lower Upper

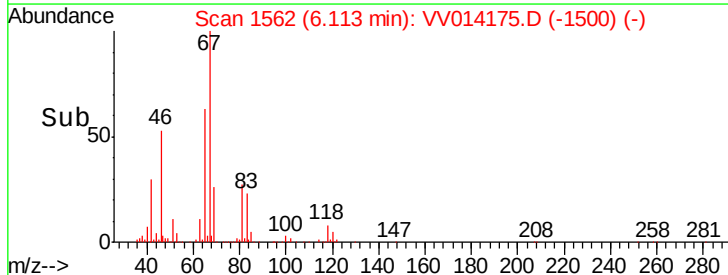
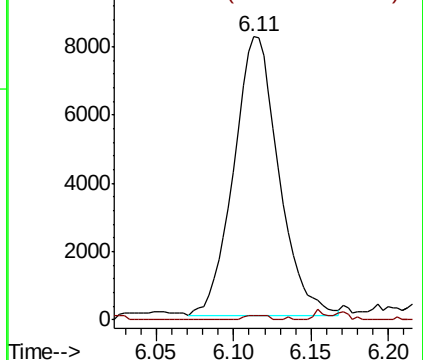
63 100

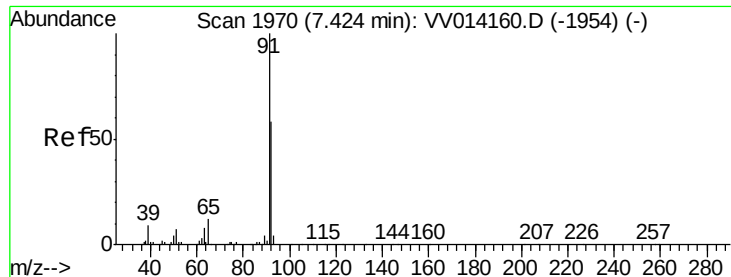
112 0.9 4.0 6.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.129 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

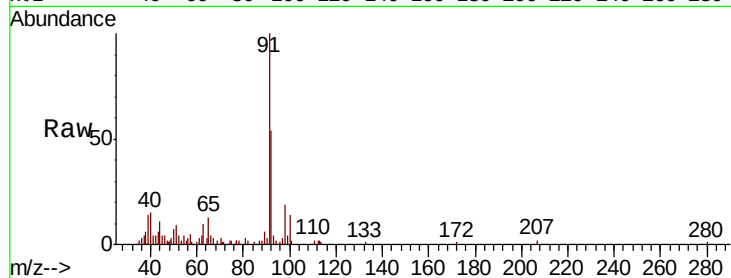
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 14539

Ion Ratio Lower Upper

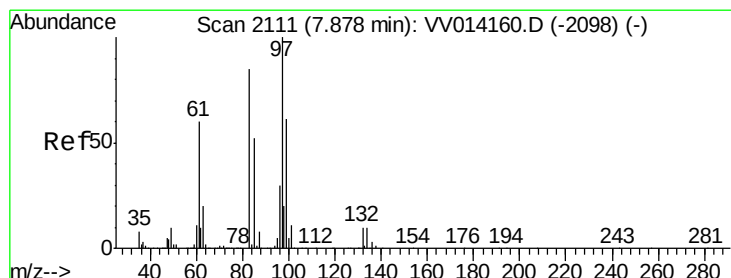
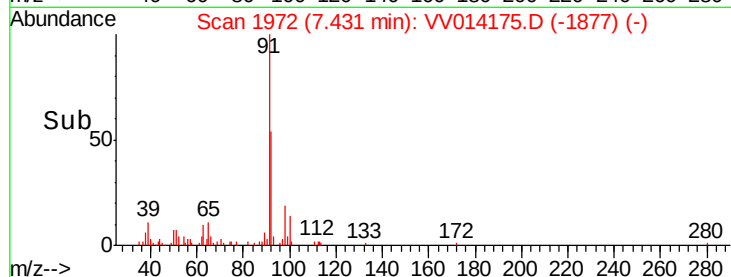
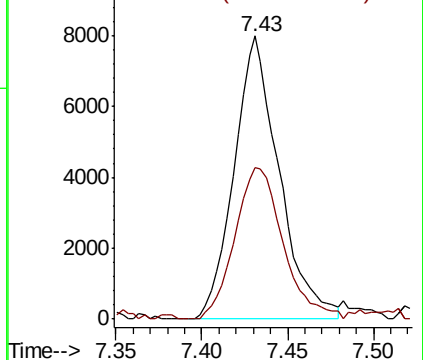
91 100

92 53.5 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#45

1,1,2-Trichloroethane

Concen: 0.175 ug/L

RT: 7.74 min Scan# 2069

Delta R.T. -0.13 min

Lab File: VV014175.D

Acq: 23 Dec 2019 22:19

Tgt Ion: 97 Resp: 3226

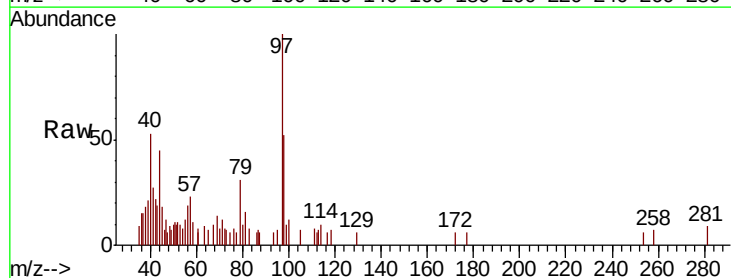
Ion Ratio Lower Upper

97 100

99 10.3 45.8 85.2#

83 0.0 59.5 110.5#

85 0.0 38.1 70.9#

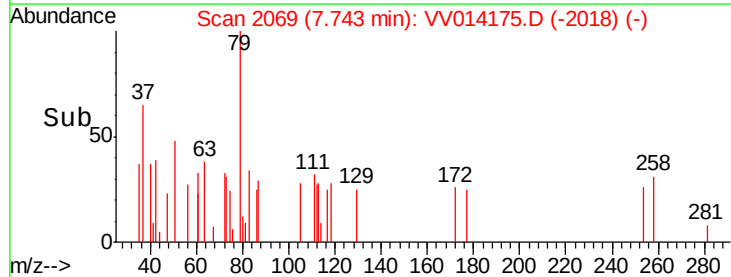
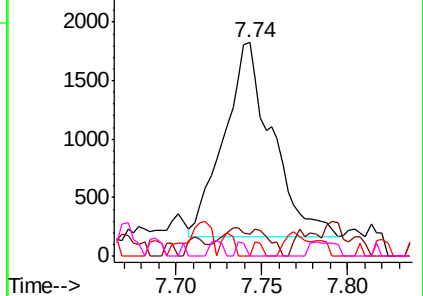


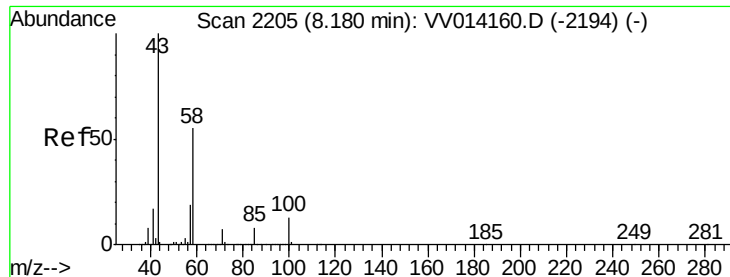
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

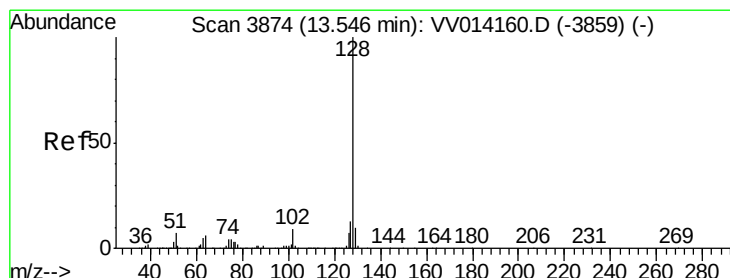
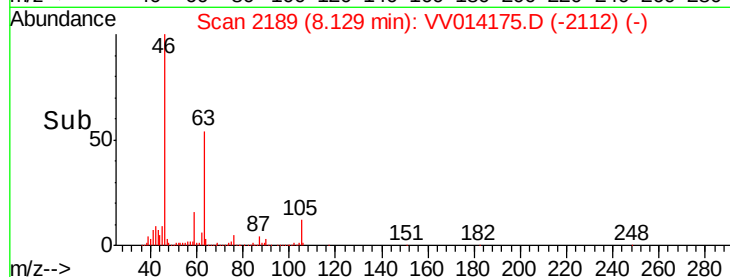
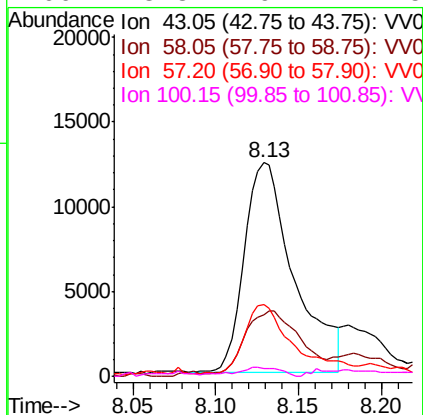
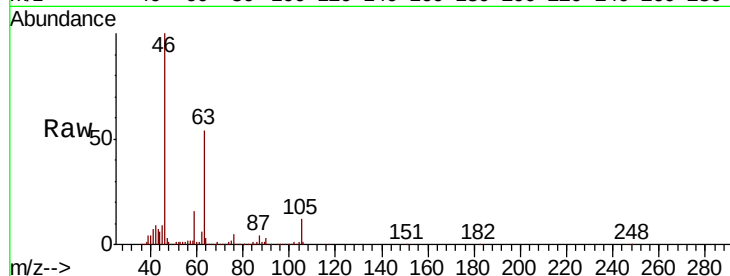




#48
2-Hexanone
Concen: 2.440 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.05 min
Lab File: VV014175.D
Acq: 23 Dec 2019 22:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.6	43.2	64.8#
57	32.2	14.8	22.2#
100	3.8	9.7	14.5#



#69
Naphthalene
Concen: 0.139 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV014175.D
Acq: 23 Dec 2019 22:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.6	12.8
127	19.5	10.8	16.2#

