

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122719\
 Data File : VV014197.D
 Acq On : 27 Dec 2019 17:55
 Operator : SY/MD
 Sample : K6432-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF6X0

Quant Time: Dec 28 01:09:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 28 01:05:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	801493	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	702370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	293985	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	230077	6.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.40%
7) Chloroethane-d5	1.58	69	197163	6.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.20%
11) 1,1-Dichloroethene-d2	2.13	63	280141	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	3.92	46	603615	64.73	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.46%
24) Chloroform-d	4.40	84	483262	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.08	65	241492	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.10	84	1020896	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.11	67	318062	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.36	98	910806	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	7.66	79	119630	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.13	63	521946	52.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	219424	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	273180	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

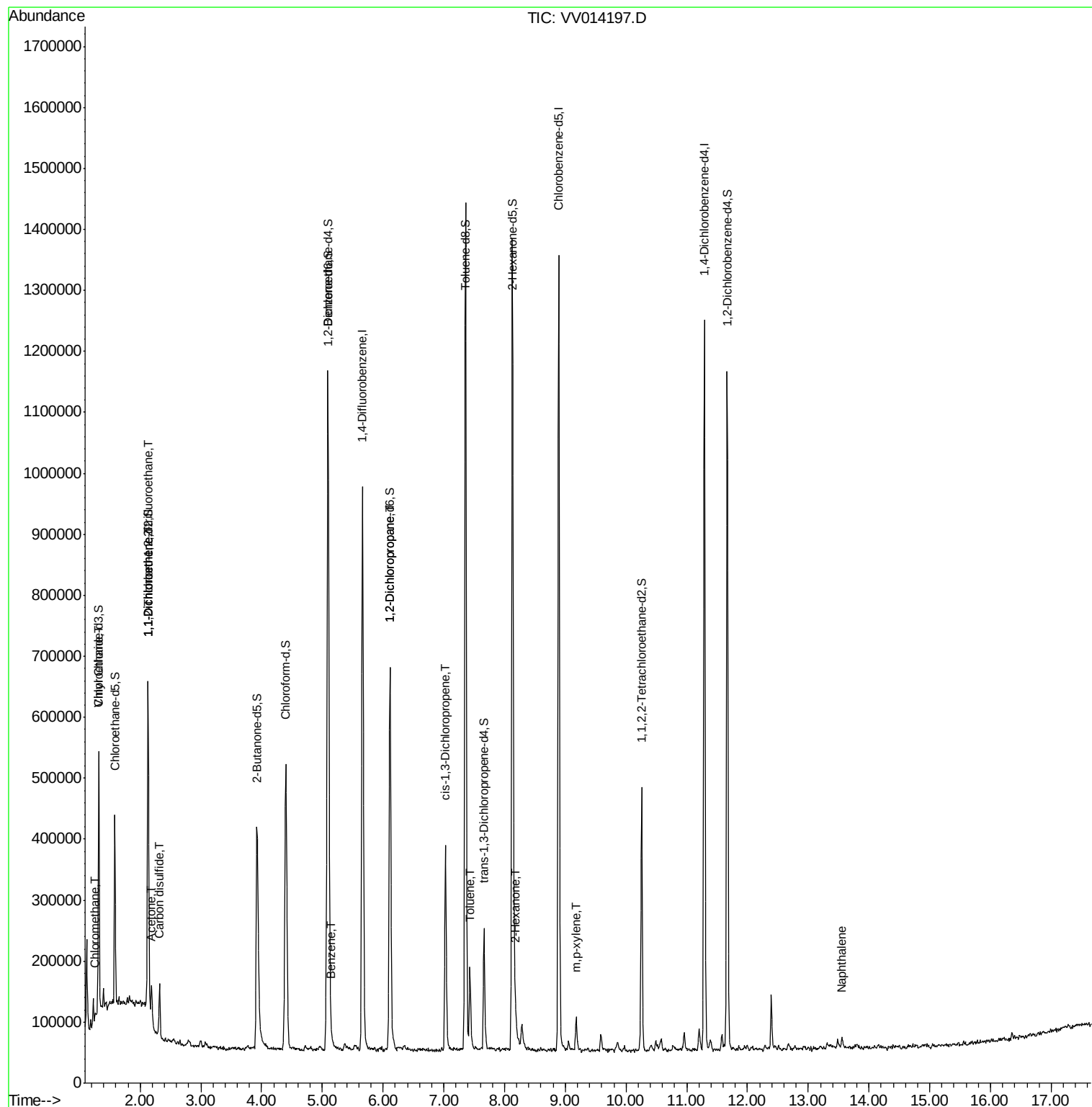
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5049	0.092	ug/L	94
8) Chloroethane	1.32	64	3101	0.111	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3469	0.096	ug/L #	30
12) 1,1-Dichloroethene	2.14	96	2770	0.078	ug/L #	1
13) Acetone	2.19	43	50290	8.744	ug/L	92
14) Carbon disulfide	2.32	76	99777	0.644	ug/L	98
33) Benzene	5.15	78	16795	0.077	ug/L	100
37) 1,2-Dichloropropane	6.12	63	35097	0.665	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	8650	0.100	ug/L #	64
42) Toluene	7.43	91	96039	0.402	ug/L	99
48) 2-Hexanone	8.18	43	12900	0.568	ug/L #	42
53) m,p-xylene	9.18	106	17476	0.176	ug/L	86
69) Naphthalene	13.55	128	16535	0.146	ug/L #	94

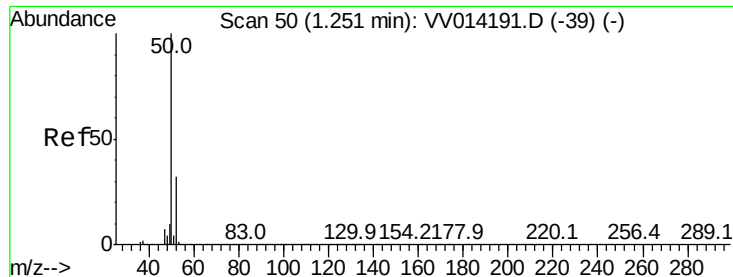
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

Instrument :

MSVOA_V

ClientSampleId :

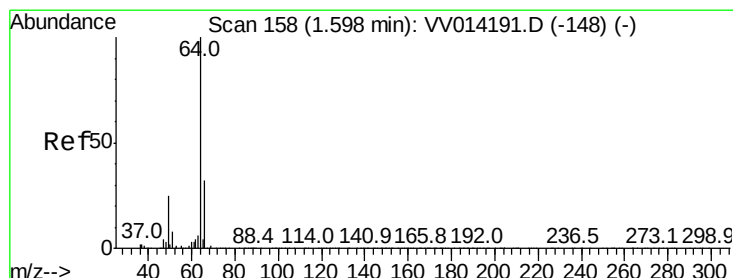
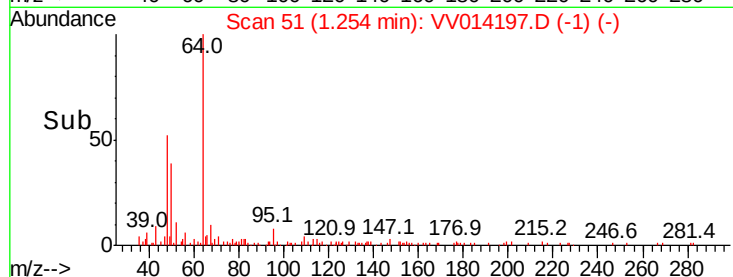
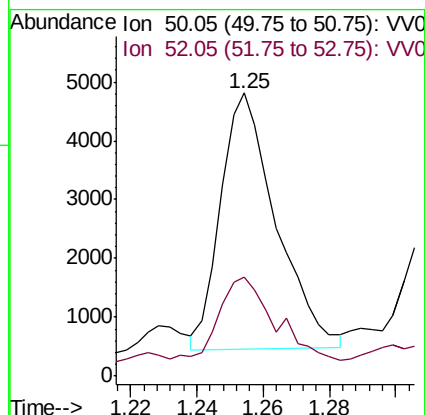
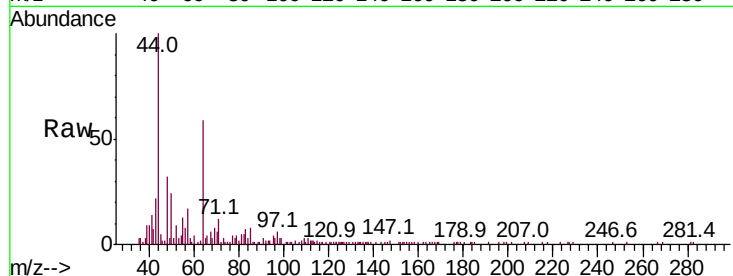
BF6X0

Tot Ion: 50 Resp: 5049

Ion Ratio Lower Upper

50 100

52 34.9 22.3 41.3



#8

Chloroethane

Concen: 0.111 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV014197.D

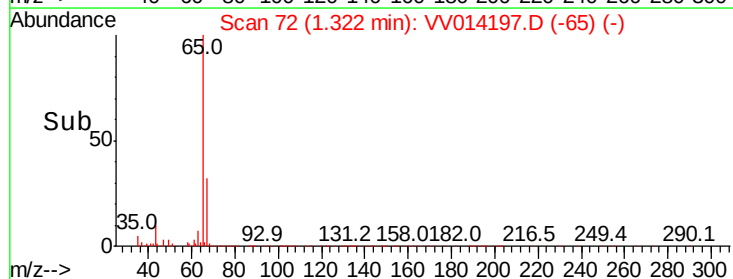
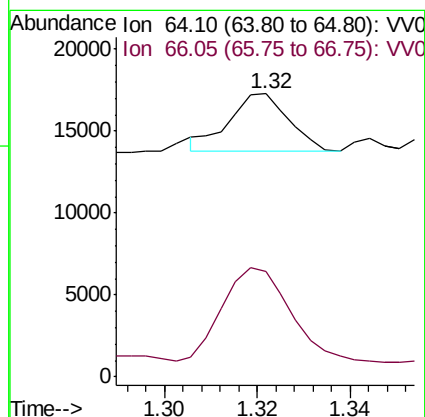
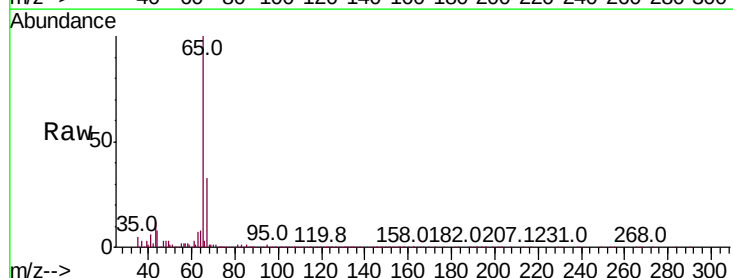
Acq: 27 Dec 2019 17:55

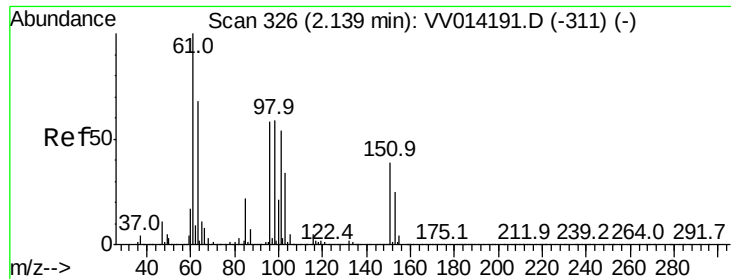
Tgt Ion: 64 Resp: 3101

Ion Ratio Lower Upper

64 100

66 37.1 21.8 40.6





#10

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

Concen: 0.096 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

Instrument :

MSVOA_V

ClientSampleId :

BF6X0

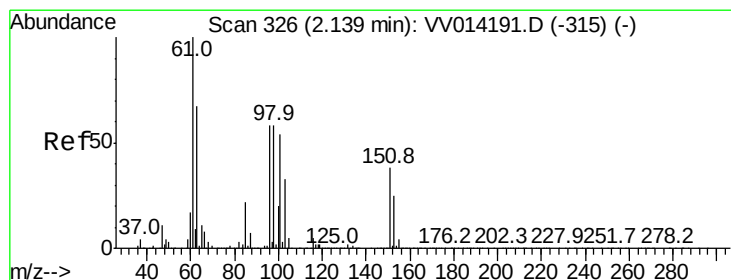
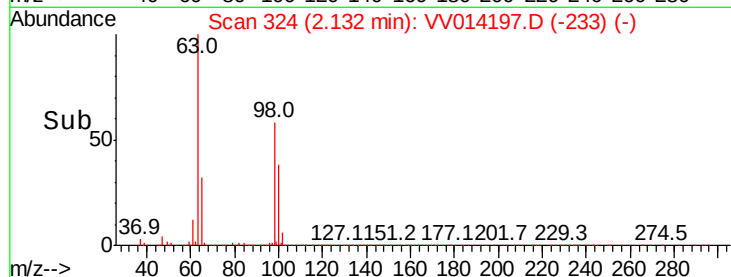
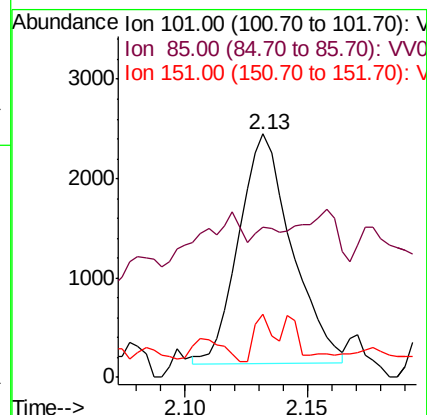
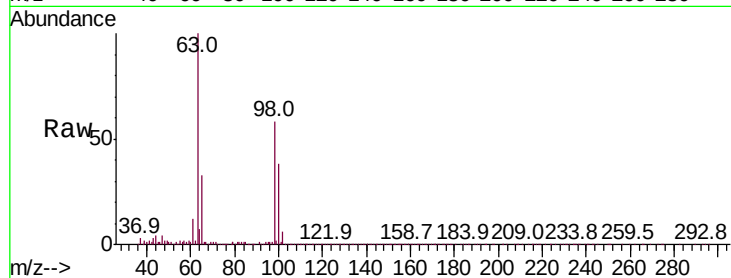
Tot Ion:101 Resp: 3469

Ion Ratio Lower Upper

101 100

85 9.6 34.9 52.3#

151 8.2 62.5 93.7#



#12

1,1-Dichloroethene

Concen: 0.078 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

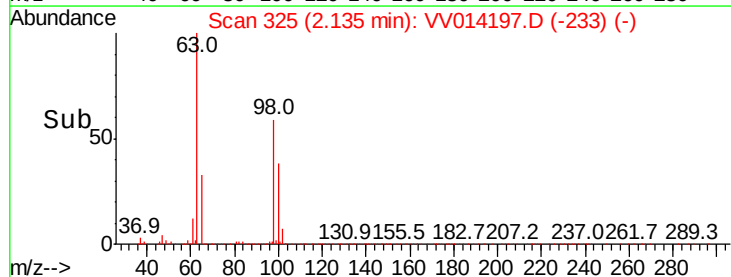
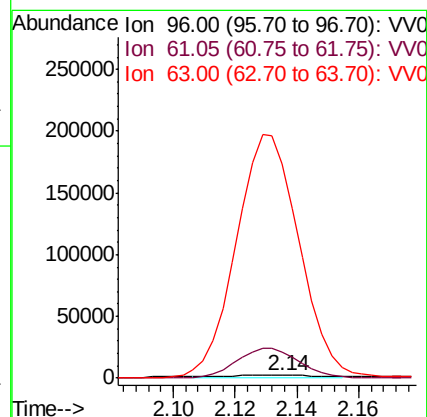
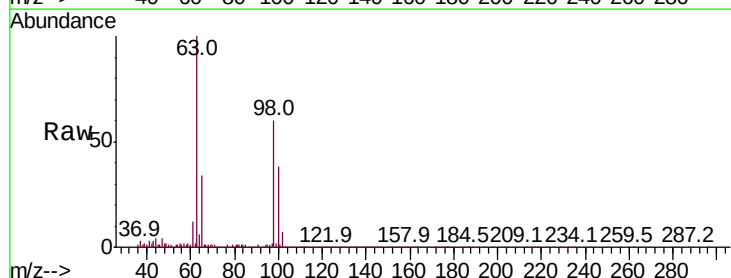
Tgt Ion: 96 Resp: 2770

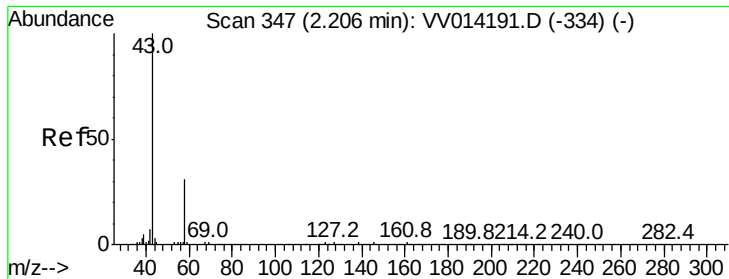
Ion Ratio Lower Upper

96 100

61 899.2 121.5 225.7#

63 7277.1 90.3 167.7#





#13

Acetone

Concen: 8.744 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

Instrument :

MSVOA_V

ClientSampleId :

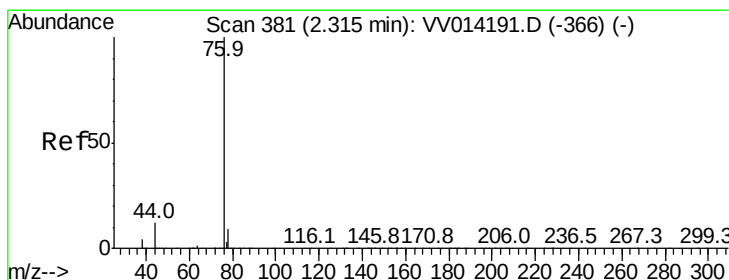
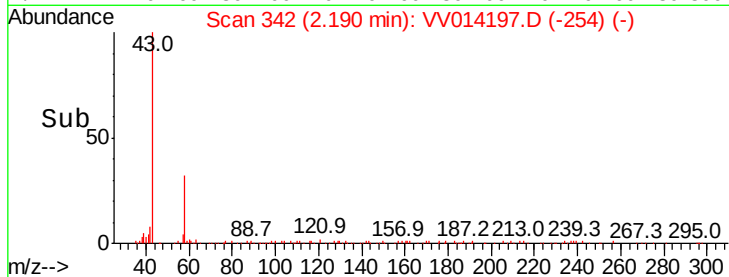
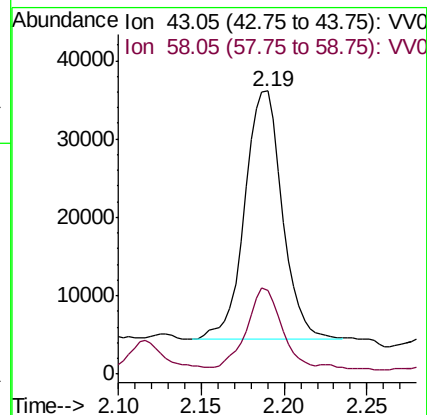
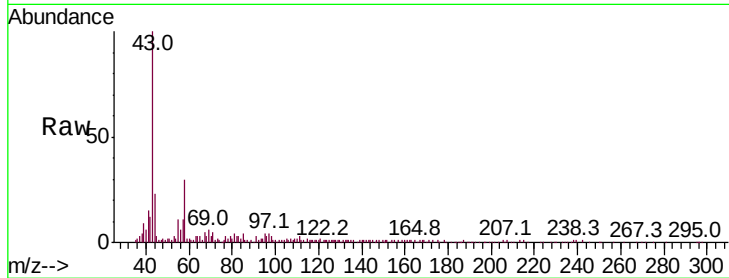
BF6X0

Tot Ion: 43 Resp: 50290

Ion Ratio Lower Upper

43 100

58 28.7 0.0 66.0



#14

Carbon disulfide

Concen: 0.644 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014197.D

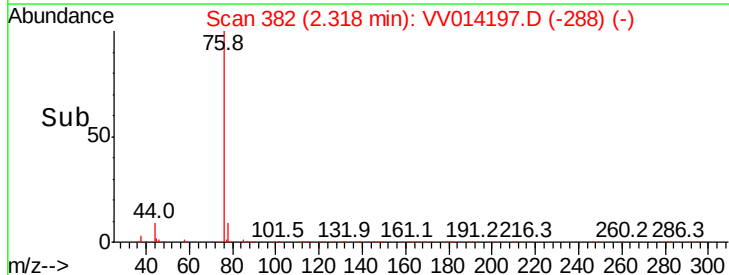
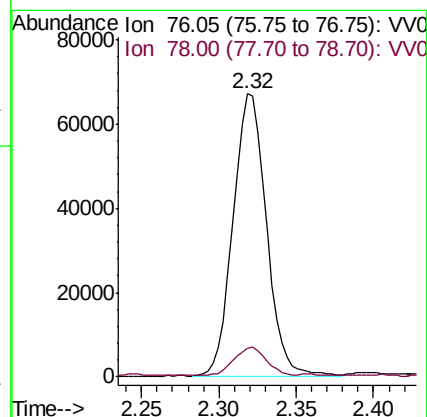
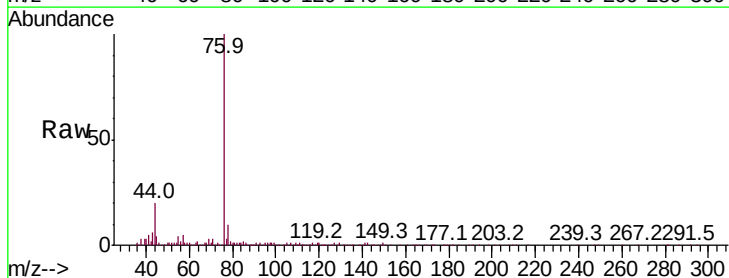
Acq: 27 Dec 2019 17:55

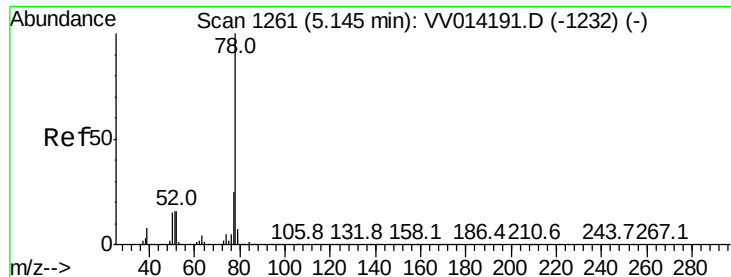
Tgt Ion: 76 Resp: 99777

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3





#33

Benzene

Concen: 0.077 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

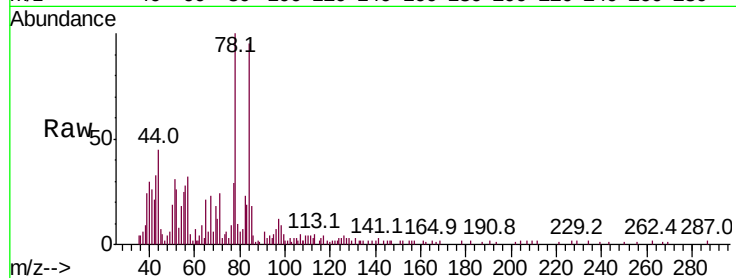
Instrument :

MSVOA_V

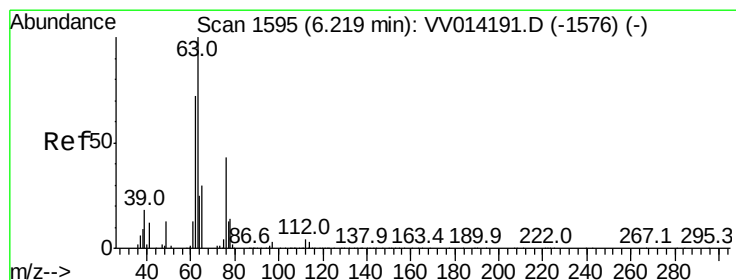
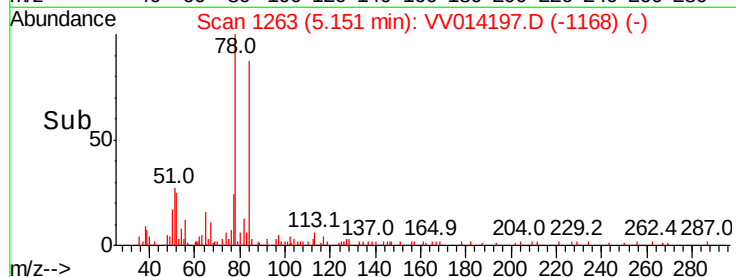
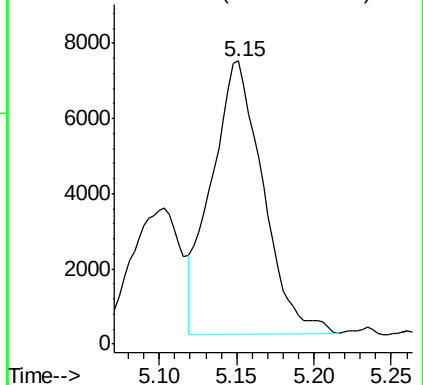
ClientSampleId :

BF6X0

Tgt Ion: 78 Resp: 16795



Abundance Ion 78.10 (77.80 to 78.80): VV0



#37

1,2-Dichloropropane

Concen: 0.665 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV014197.D

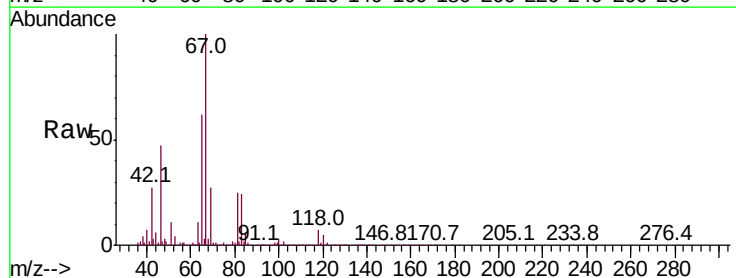
Acq: 27 Dec 2019 17:55

Tgt Ion: 63 Resp: 35097

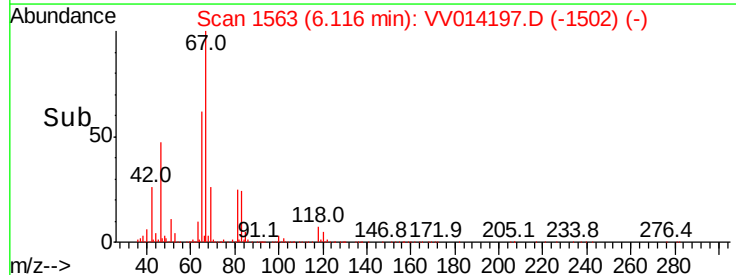
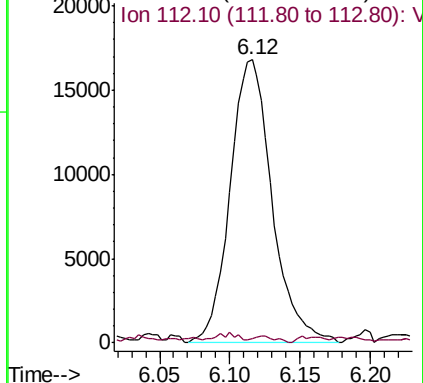
Ion Ratio Lower Upper

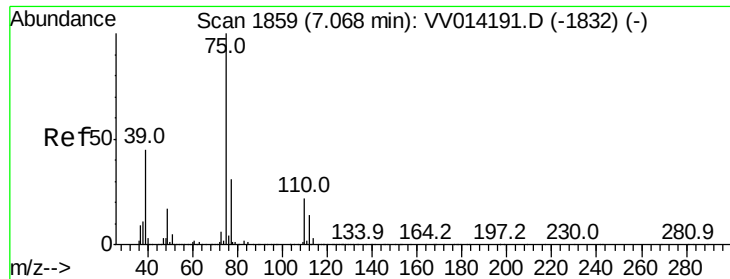
63 100

112 1.3 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0





#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

Instrument :

MSVOA_V

ClientSampleId :

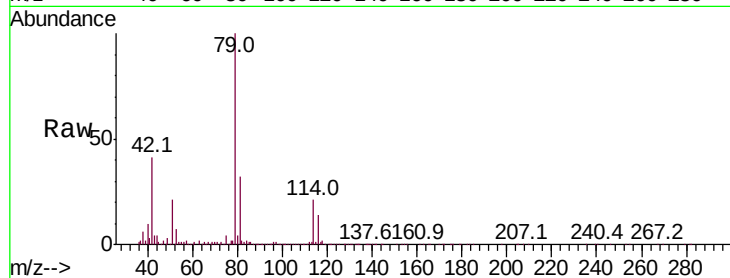
BF6X0

Tot Ion: 75 Resp: 8650

Ion Ratio Lower Upper

75 100

77 52.0 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

4000

3000

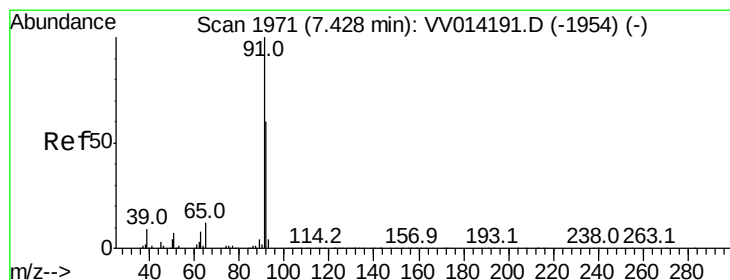
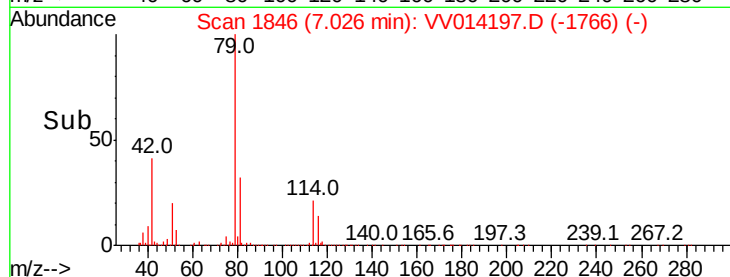
2000

1000

0

6.95 7.00 7.05 7.10

Time-->



#42

Toluene

Concen: 0.402 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014197.D

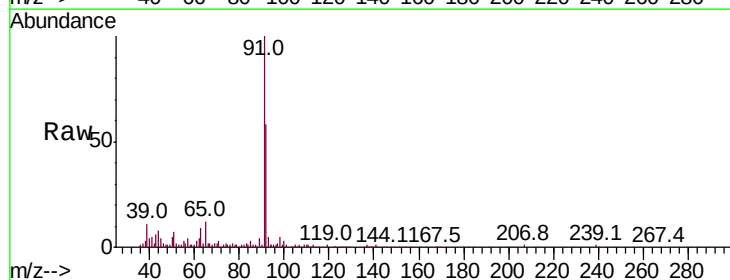
Acq: 27 Dec 2019 17:55

Tgt Ion: 91 Resp: 96039

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

60000

50000

40000

30000

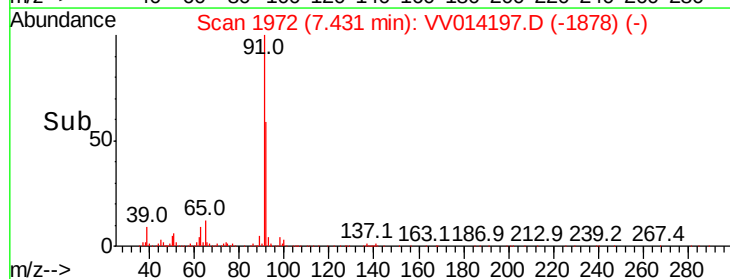
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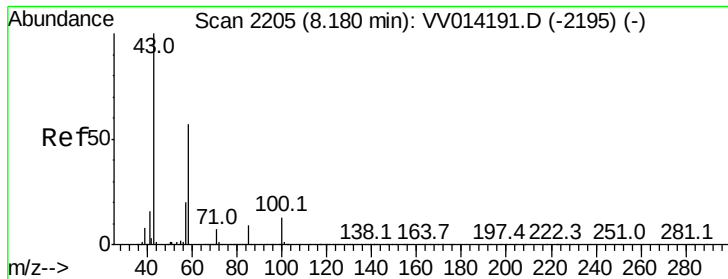
10000

0

7.35 7.40 7.45 7.50

Time-->

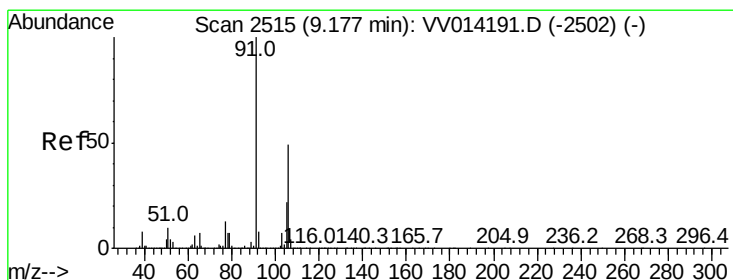
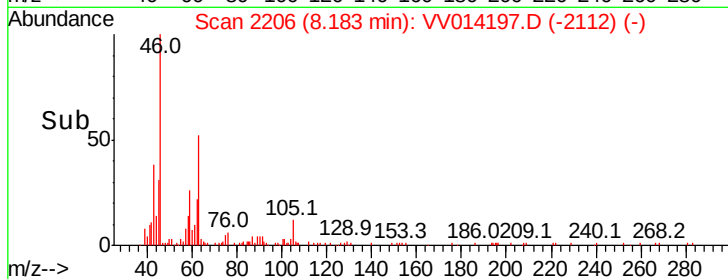
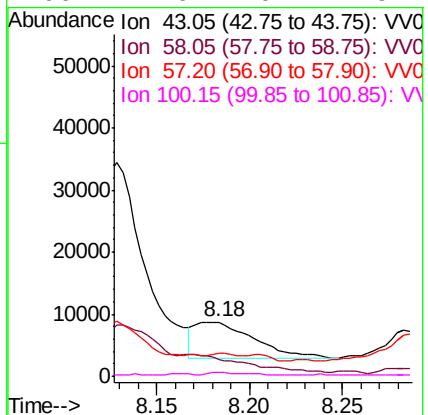
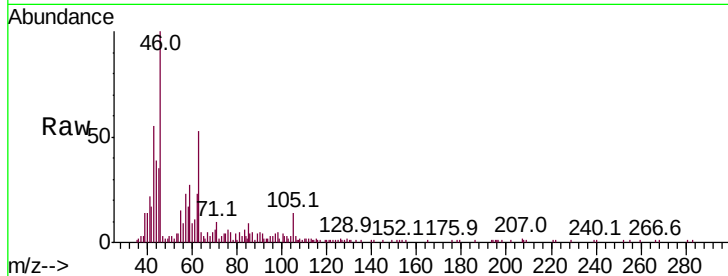




#48
2-Hexanone
Concen: 0.568 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014197.D
Acq: 27 Dec 2019 17:55

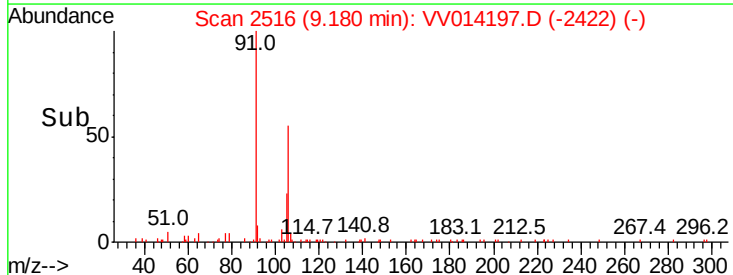
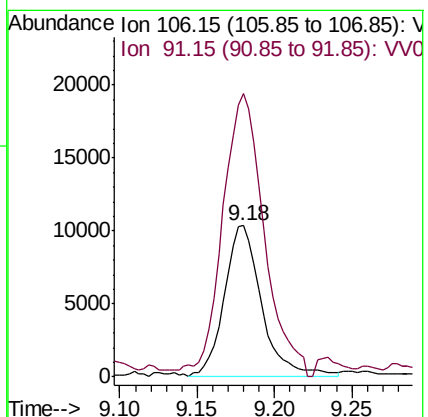
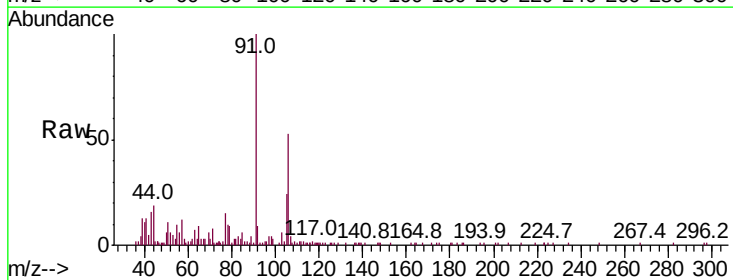
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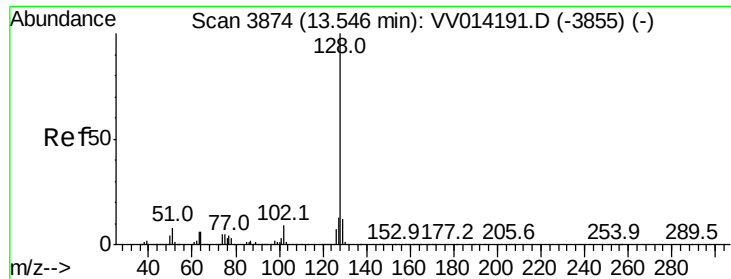
Tot Ion:	43	Resp:	12900
Ion	Ratio	Lower	Upper
43	100		
58	0.0	45.4	68.0#
57	9.3	15.8	23.8#
100	2.6	10.2	15.4#



#53
m,p-xylene
Concen: 0.176 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV014197.D
Acq: 27 Dec 2019 17:55

Tgt Ion:	106	Resp:	17476
Ion	Ratio	Lower	Upper
106	100		
91	187.4	146.8	272.6





#69

Naphthalene

Concen: 0.146 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV014197.D

Acq: 27 Dec 2019 17:55

Instrument :

MSVOA_V

ClientSampleId :

BF6X0

Tot Ion:128 Resp: 16535

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

127 16.5 10.2 15.2#

