

Data File : VV014051.D
Acq On : 13 Dec 2019 14:14
Operator : SY/MD
Sample : K6281-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFQX9

Quant Time: Dec 14 03:28:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Dec 14 03:25:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	352416	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366833	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	106381	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	98049	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	130658	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.96	46	285219	62.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.80%
24) Chloroform-d	4.40	84	209046	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.08	65	106545	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.10	84	386974	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.11	67	130525	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	289478	3.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.20%#
43) trans-1,3-Dichloropropene-	7.66	79	44629	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.14	63	167903	41.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.92%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	95995	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	129860	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

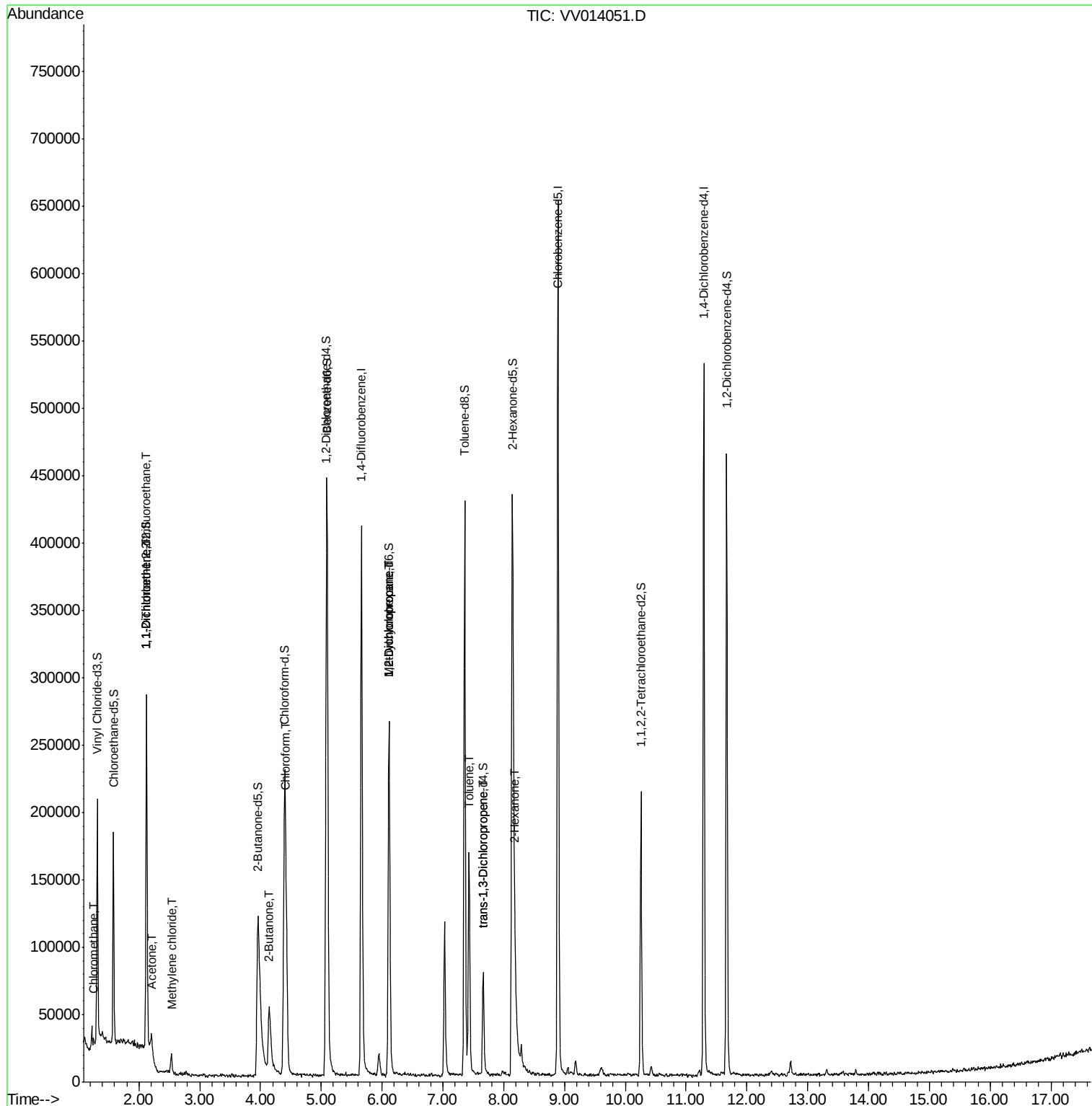
					Qvalue
3) Chloromethane	1.25	50	5258	0.255 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1755	0.090 ug/L #	18
12) 1,1-Dichloroethene	2.13	96	1341	0.079 ug/L #	1
13) Acetone	2.21	43	6783	2.139 ug/L #	57
16) Methylene chloride	2.54	84	5760	0.248 ug/L	88
21) 2-Butanone	4.14	43	88436	18.451 ug/L #	51
25) Chloroform	4.42	83	87601	2.163 ug/L	96
35) Methylcyclohexane	6.11	83	32088	0.969 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	14428	0.624 ug/L #	86
42) Toluene	7.43	91	122259	1.267 ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	1938	0.075 ug/L #	74
48) 2-Hexanone	8.19	43	34706	3.603 ug/L #	85

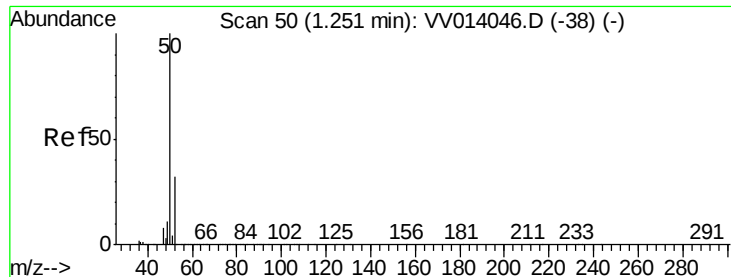
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.255 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

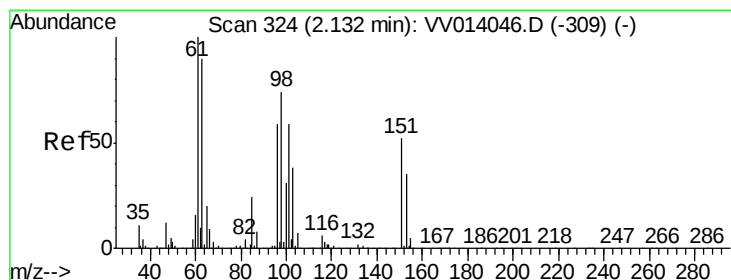
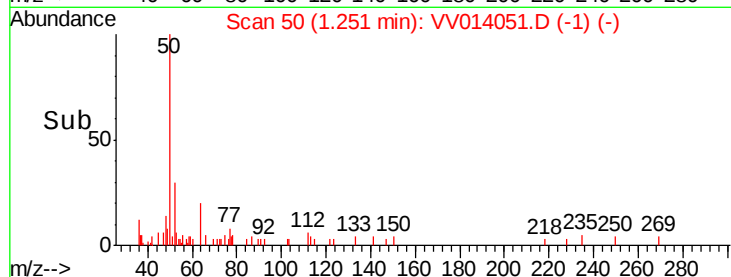
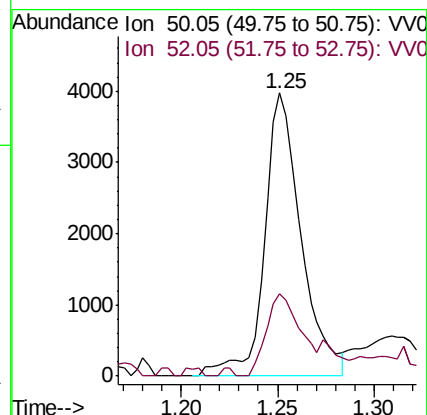
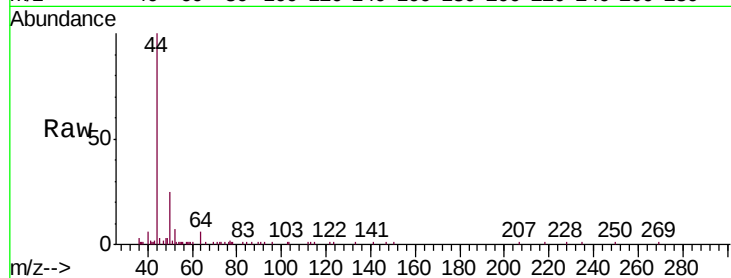
BFQX9

Tgt Ion: 50 Resp: 5258

Ion Ratio Lower Upper

50 100

52 29.1 22.5 41.7



#10

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

Concen: 0.090 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

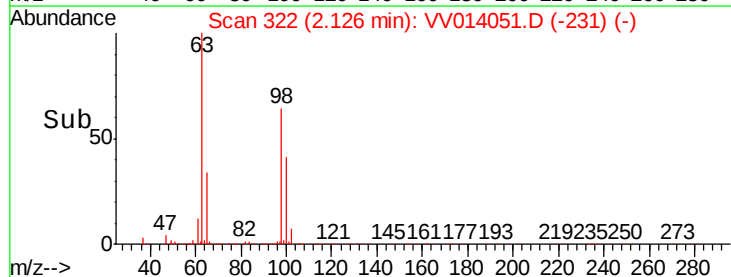
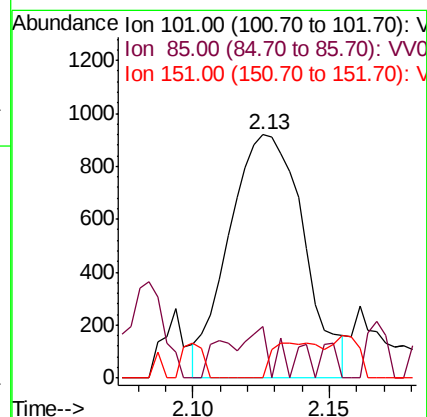
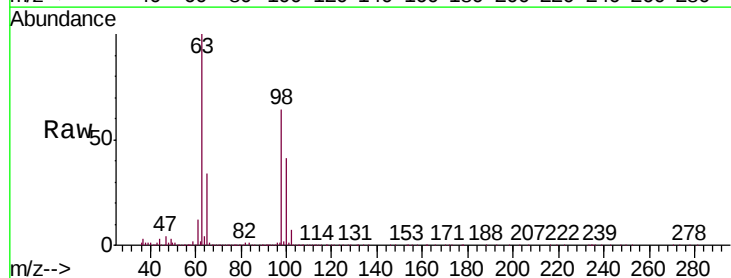
Tgt Ion: 101 Resp: 1755

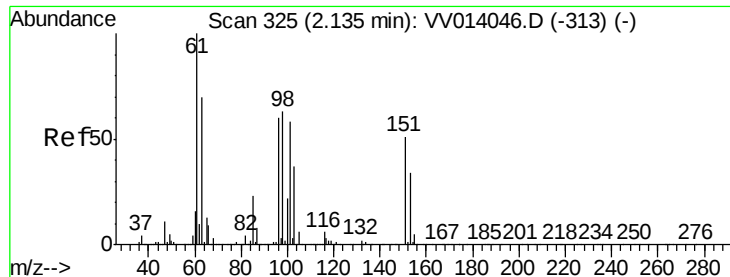
Ion Ratio Lower Upper

101 100

85 5.5 33.4 50.0#

151 0.0 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 0.079 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

BFQX9

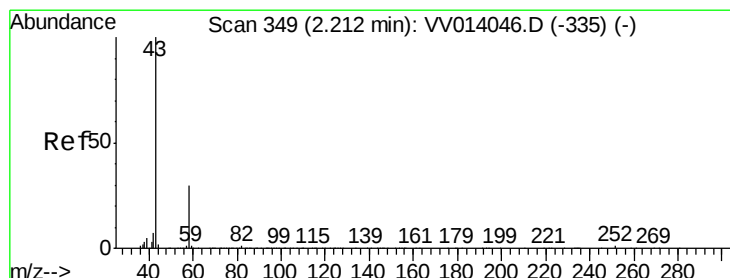
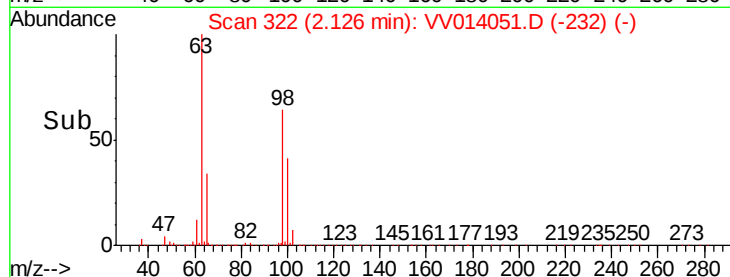
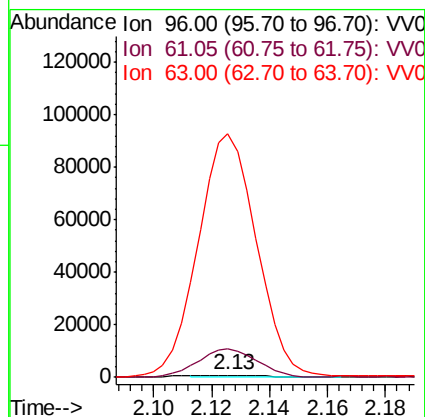
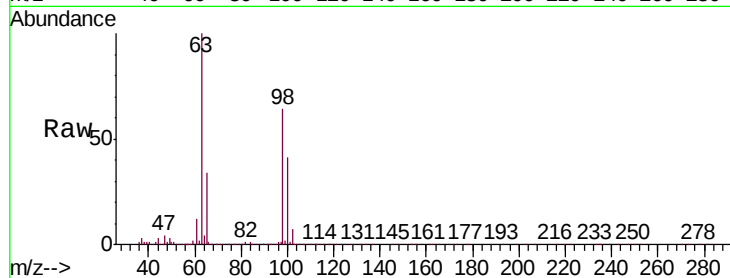
Tgt Ion: 96 Resp: 1341

Ion Ratio Lower Upper

96 100

61 1369.3 116.3 215.9#

63 11650.3 96.7 179.7#



#13

Acetone

Concen: 2.139 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV014051.D

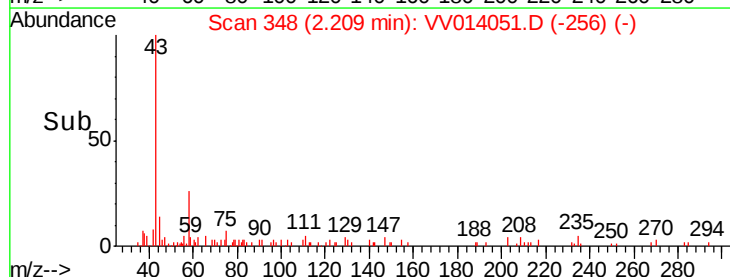
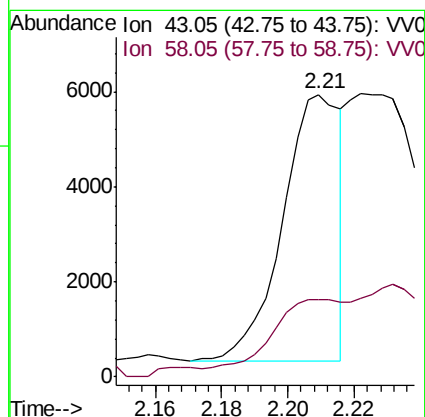
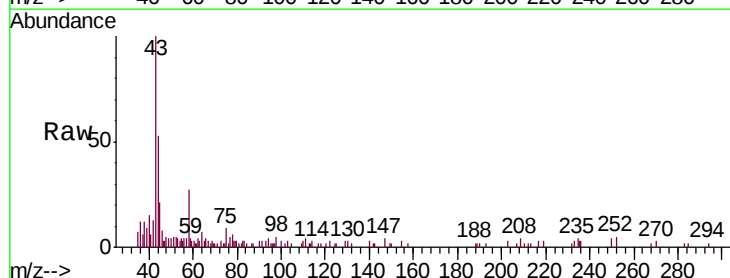
Acq: 13 Dec 2019 14:14

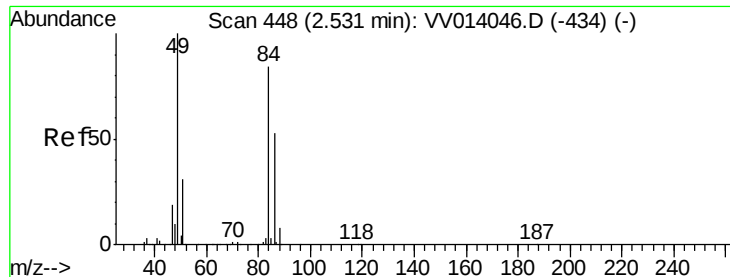
Tgt Ion: 43 Resp: 6783

Ion Ratio Lower Upper

43 100

58 31.0 0.0 27.2#

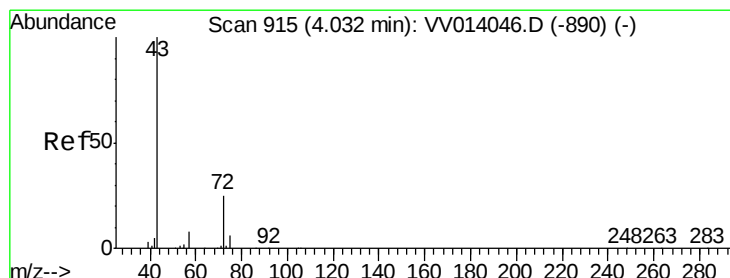
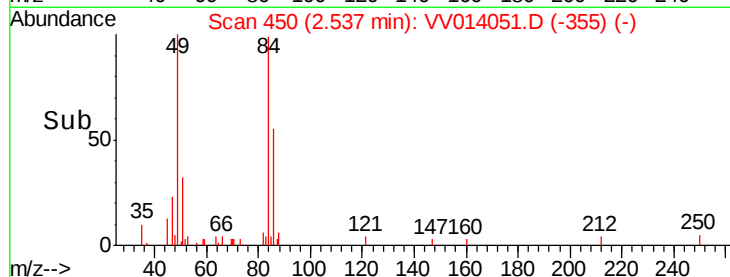
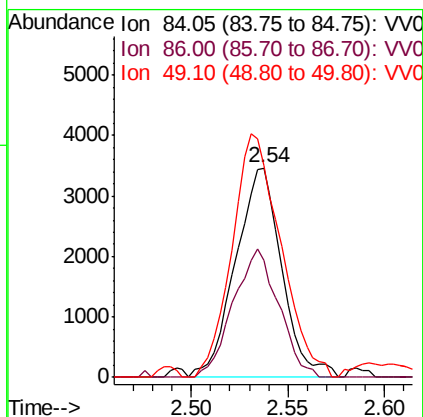
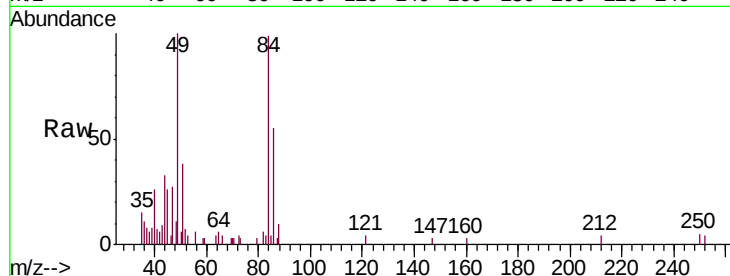




#16
Methylene chloride
Concen: 0.248 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV014051.D
Acq: 13 Dec 2019 14:14

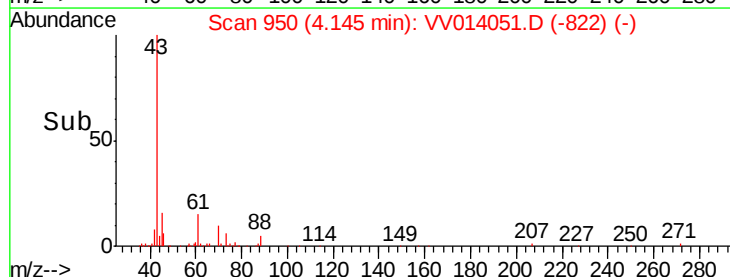
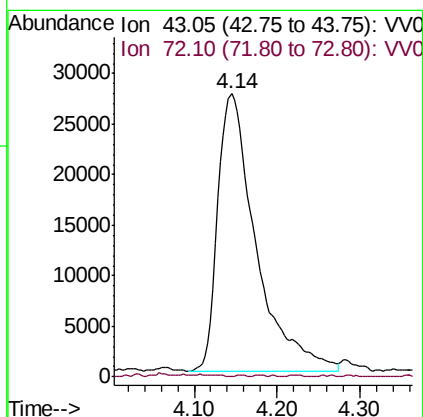
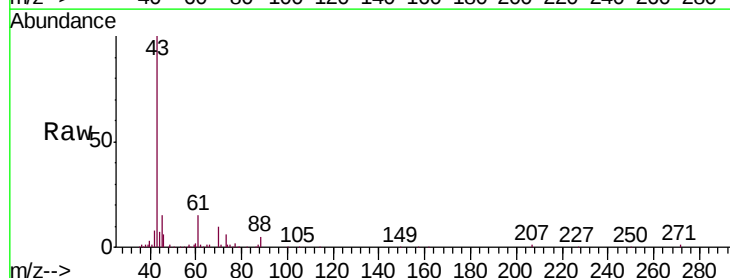
Instrument :
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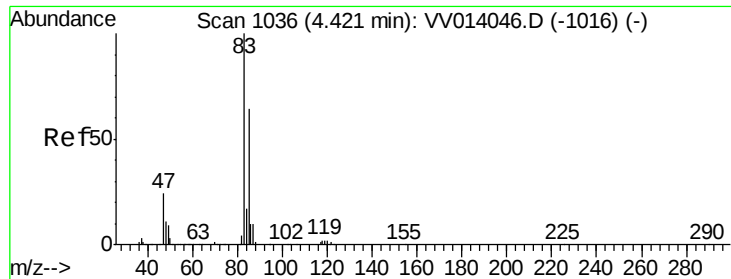
Tgt Ion: 84 Resp: 5760
Ion Ratio Lower Upper
84 100
86 55.7 44.0 81.6
49 101.3 81.5 151.5



#21
2-Butanone
Concen: 18.451 ug/L
RT: 4.14 min Scan# 950
Delta R.T. 0.11 min
Lab File: VV014051.D
Acq: 13 Dec 2019 14:14

Tgt Ion: 43 Resp: 88436
Ion Ratio Lower Upper
43 100
72 0.2 12.3 36.9#

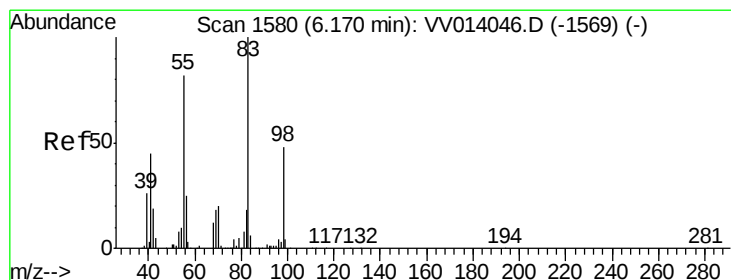
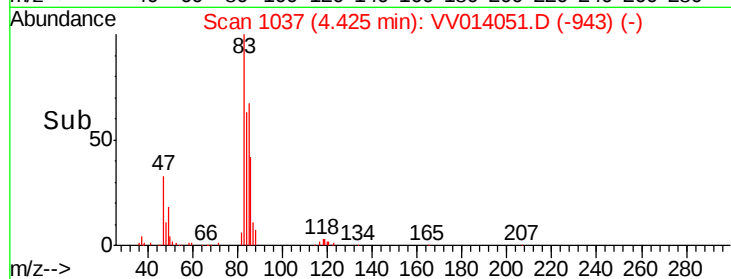
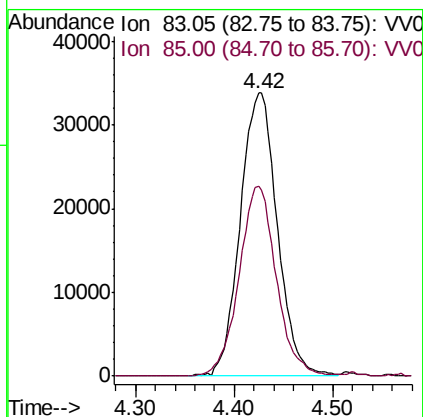
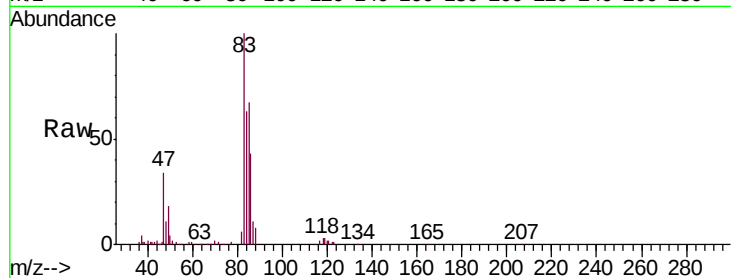




#25
Chloroform
Concen: 2.163 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014051.D
Acq: 13 Dec 2019 14:14

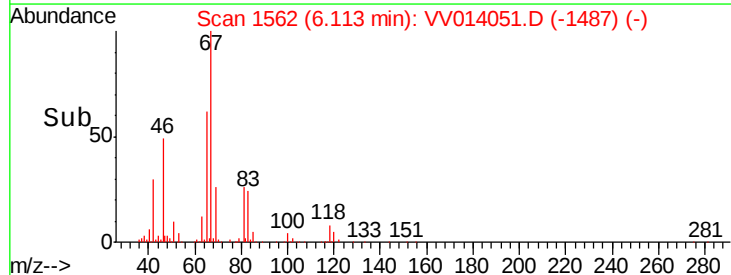
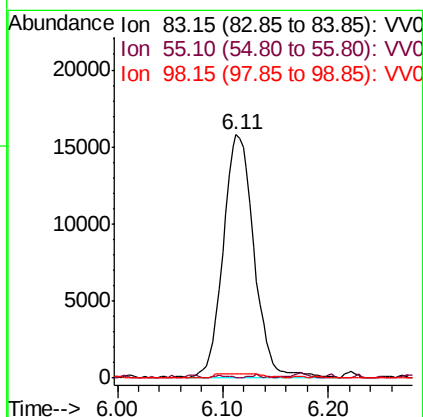
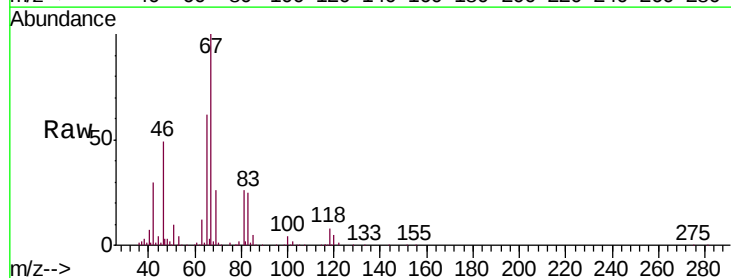
Instrument :
MSVOA_V
ClientSampleId :
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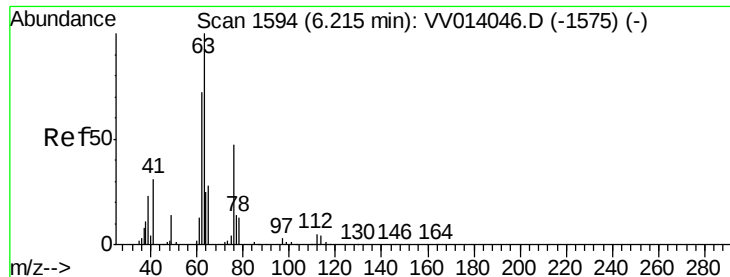
Tgt Ion: 83 Resp: 87601
Ion Ratio Lower Upper
83 100
85 67.2 45.1 83.7



#35
Methylcyclohexane
Concen: 0.969 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014051.D
Acq: 13 Dec 2019 14:14

Tgt Ion: 83 Resp: 32088
Ion Ratio Lower Upper
83 100
55 0.5 60.3 90.5#
98 0.9 38.1 57.1#





#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

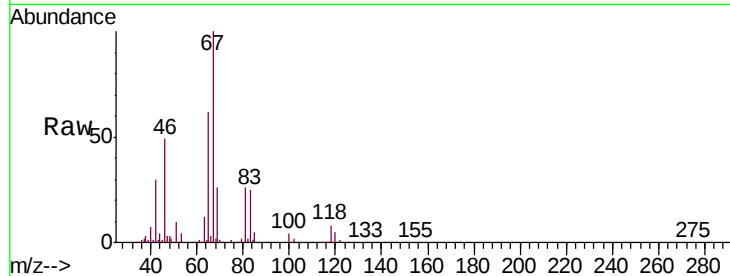
BFQX9

Tgt Ion: 63 Resp: 14428

Ion Ratio Lower Upper

63 100

112 0.9 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV014046.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV014046.D (-1575) (-)

6.11

8000

6000

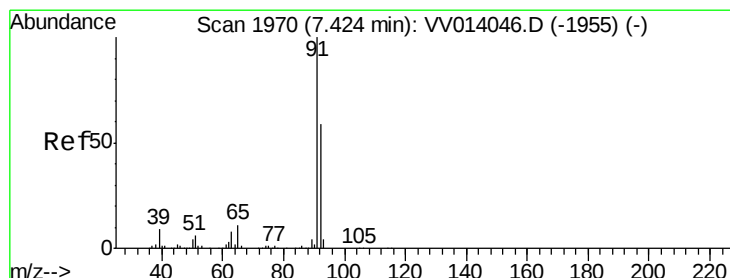
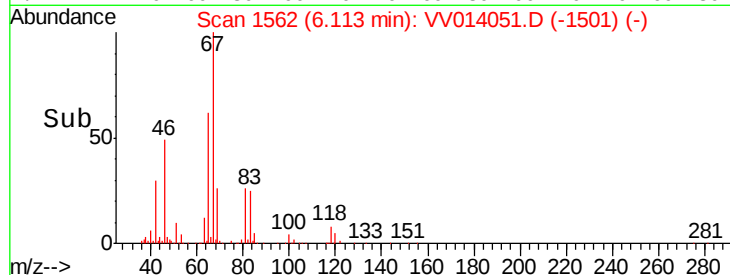
4000

2000

0

6.05 6.10 6.15

Time-->



#42

Toluene

Concen: 1.267 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014051.D

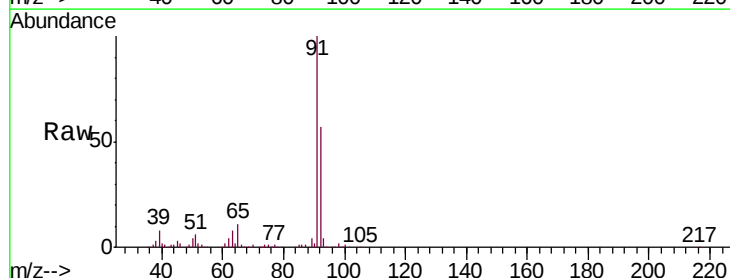
Acq: 13 Dec 2019 14:14

Tgt Ion: 91 Resp: 122259

Ion Ratio Lower Upper

91 100

92 56.7 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV014046.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV014046.D (-1955) (-)

7.43

80000

60000

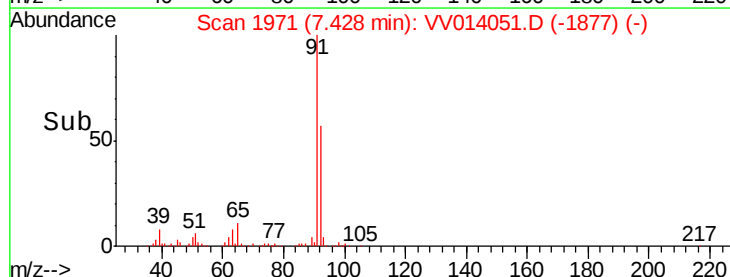
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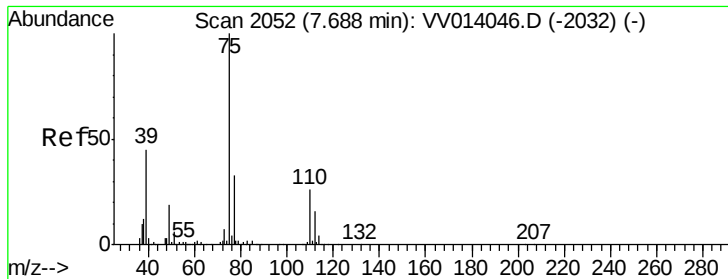
20000

0

7.35 7.40 7.45 7.50

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

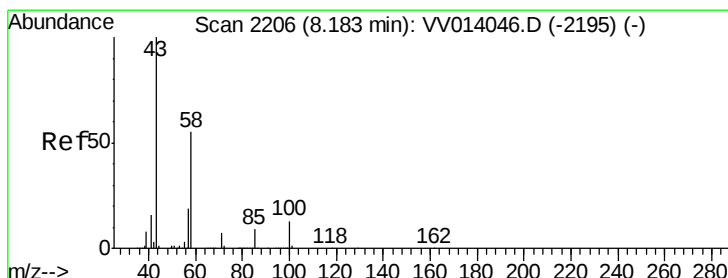
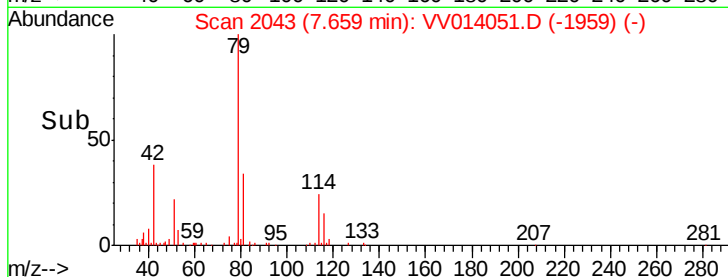
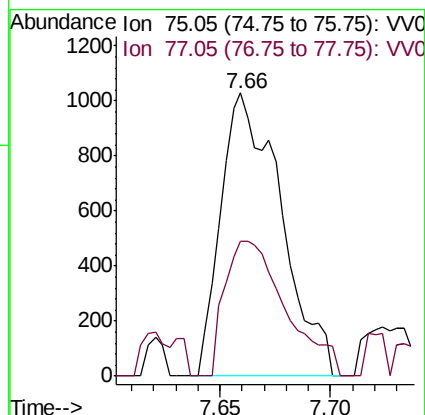
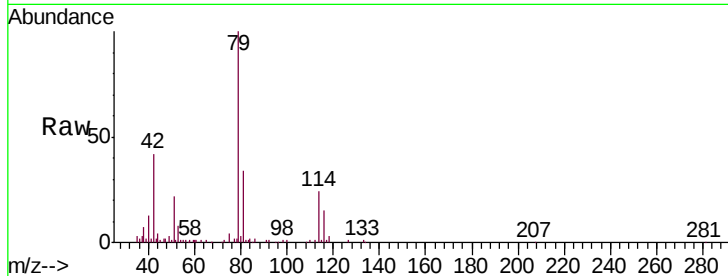
BFQX9

Tgt Ion: 75 Resp: 1938

Ion Ratio Lower Upper

75 100

77 47.7 23.0 42.8#



#48

2-Hexanone

Concen: 3.603 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV014051.D

Acq: 13 Dec 2019 14:14

Tgt Ion: 43 Resp: 34706

Ion Ratio Lower Upper

43 100

58 41.1 43.2 64.8#

57 16.9 15.4 23.2

100 7.1 10.4 15.6#

