

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013741.D
 Acq On : 22 Nov 2019 18:12
 Operator : SY/MD
 Sample : K5941-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC6

Quant Time: Nov 23 03:02:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 01:35:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	344344	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	336890	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	161233	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107076	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	95924	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.13	63	153985	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.96	46	188515	42.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.10%
24) Chloroform-d	4.40	84	236251	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	5.08	65	109509	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.09	84	446125	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.11	67	133740	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.36	98	384106	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	45843	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	193860	52.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	92261	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	172362	6.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.20%#

Target Compounds

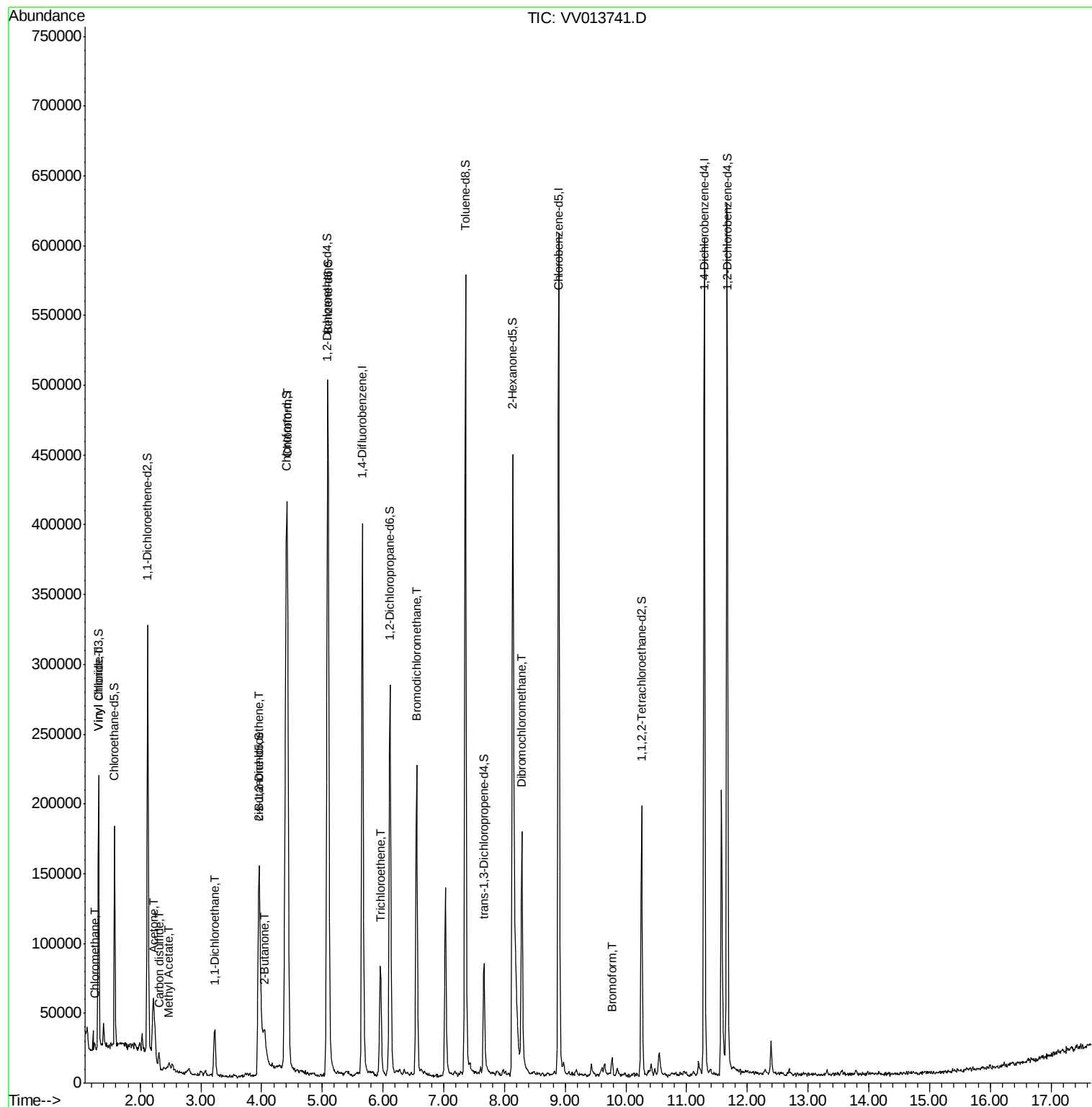
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	4193	0.208	ug/L	85
5) Vinyl chloride	1.32	62	5921	0.288	ug/L #	61
13) Acetone	2.22	43	75730	24.443	ug/L #	59
14) Carbon disulfide	2.31	76	12235	0.320	ug/L #	94
15) Methyl Acetate	2.48	43	5164	0.745	ug/L	98
19) 1,1-Dichloroethane	3.23	63	33224	0.890	ug/L	97
21) 2-Butanone	4.05	43	44947	9.598	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	40142	1.831	ug/L	97
25) Chloroform	4.42	83	332352	8.400	ug/L	100
34) Trichloroethene	5.96	95	26387	1.158	ug/L	97
38) Bromodichloromethane	6.55	83	150158	5.358	ug/L	96
49) Dibromochloromethane	8.29	129	72930	3.757	ug/L	98
61) Bromoform	9.77	173	5291	0.521	ug/L	96

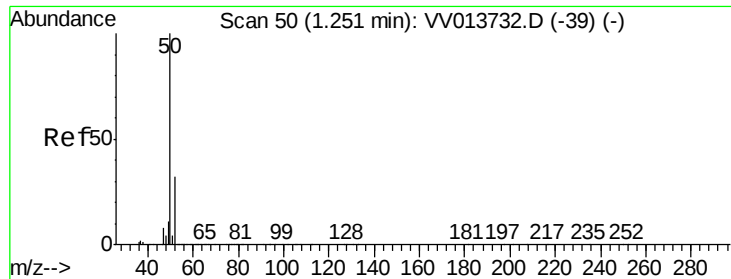
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 23 01:35:18 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.208 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

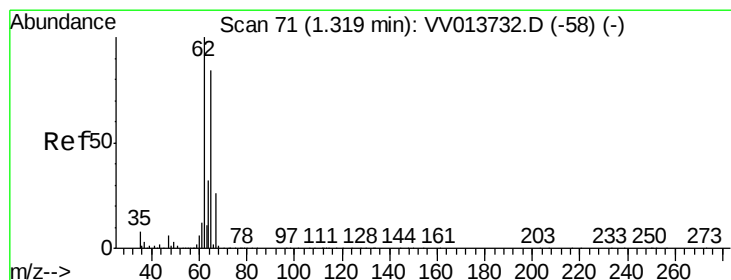
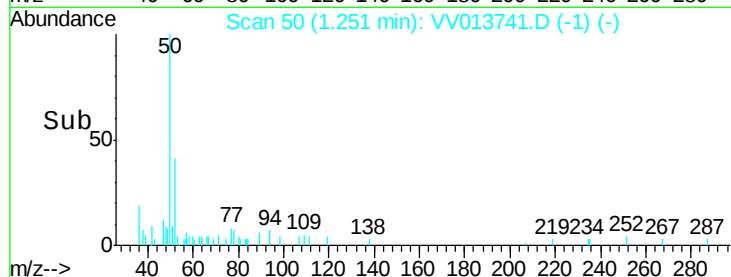
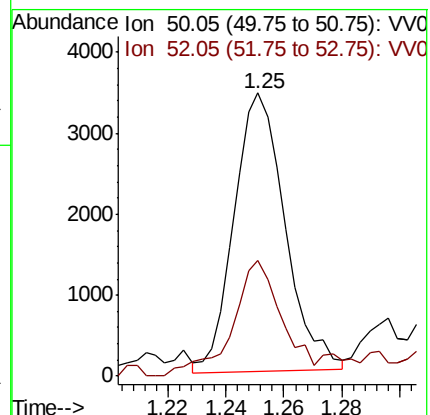
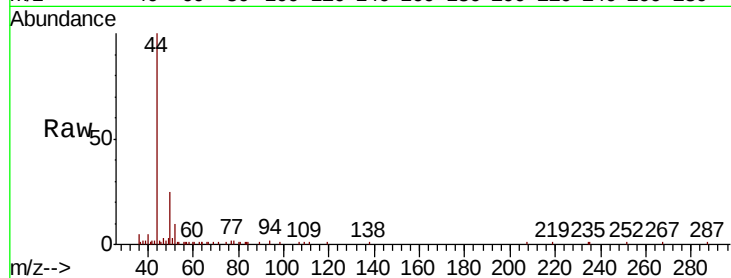
B0AC6

Tot Ion: 50 Resp: 4193

Ion Ratio Lower Upper

50 100

52 40.7 22.5 41.7



#5

Vinyl chloride

Concen: 0.288 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013741.D

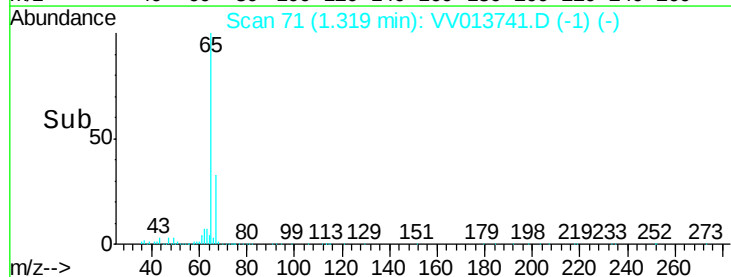
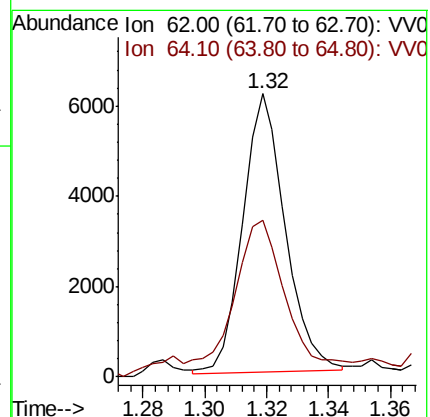
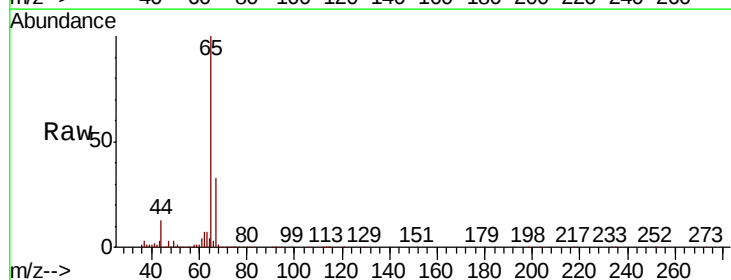
Acq: 22 Nov 2019 18:12

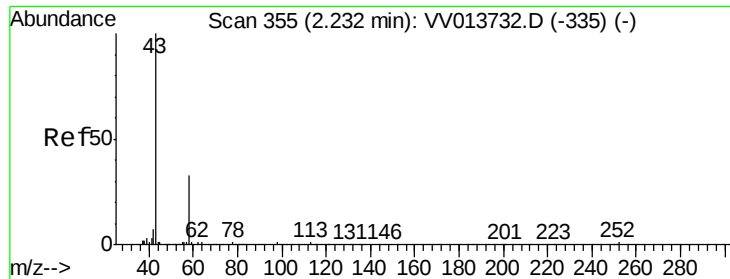
Tgt Ion: 62 Resp: 5921

Ion Ratio Lower Upper

62 100

64 55.2 23.3 43.3#





#13

Acetone

Concen: 24.443 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.02 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampled :

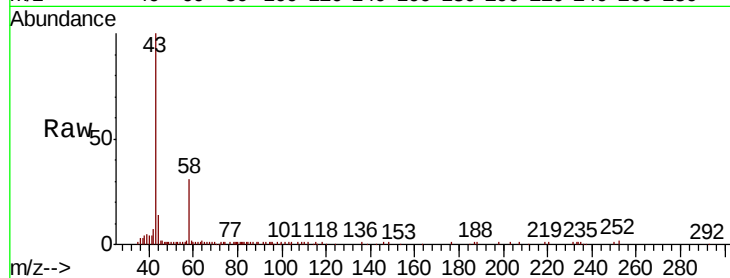
B0AC6

Tot Ion: 43 Resp: 75730

Ion Ratio Lower Upper

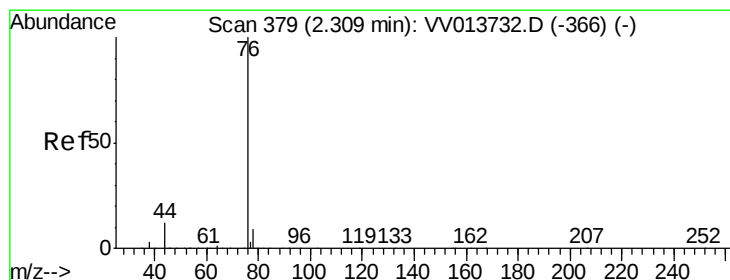
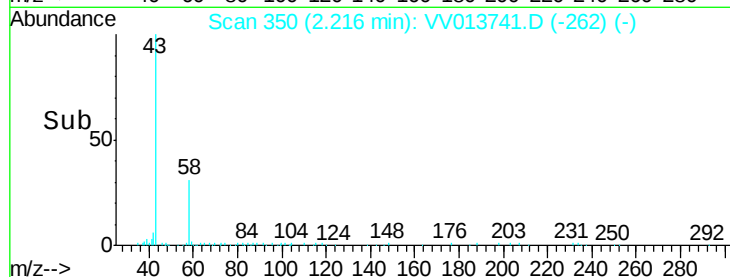
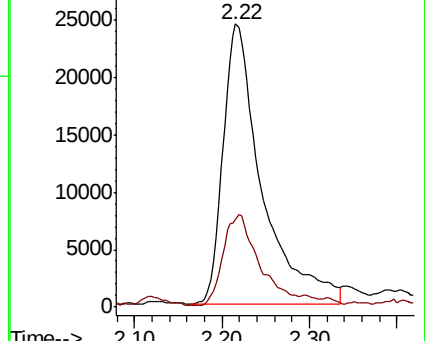
43 100

58 30.2 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.320 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013741.D

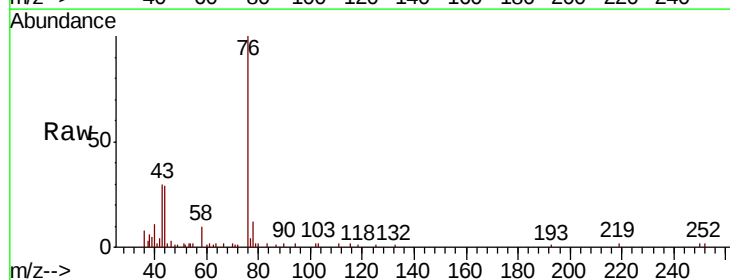
Acq: 22 Nov 2019 18:12

Tgt Ion: 76 Resp: 12235

Ion Ratio Lower Upper

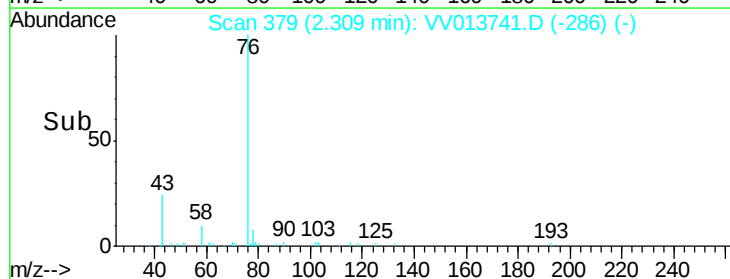
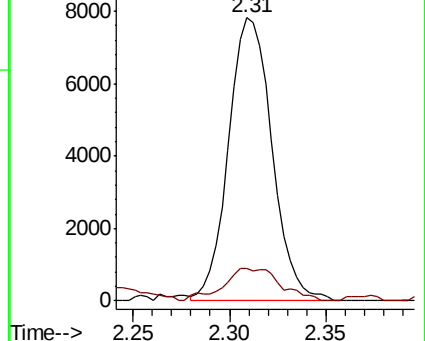
76 100

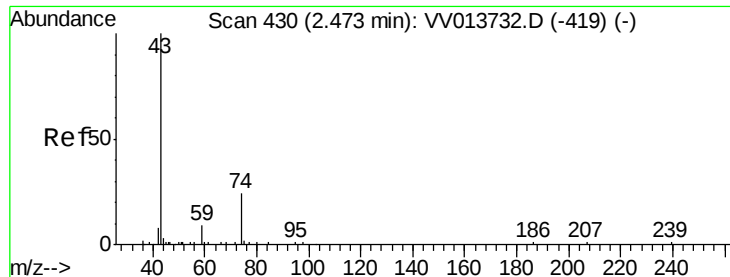
78 11.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 0.745 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

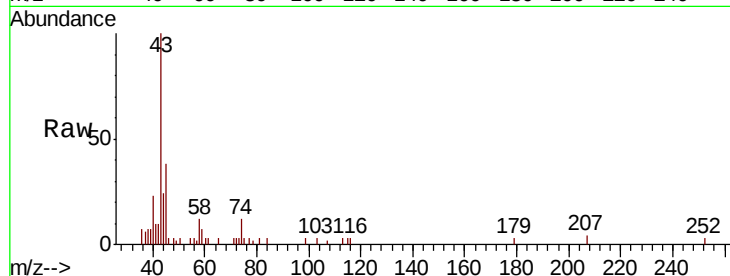
B0AC6

Tot Ion: 43 Resp: 5164

Ion Ratio Lower Upper

43 100

74 26.6 20.5 30.7

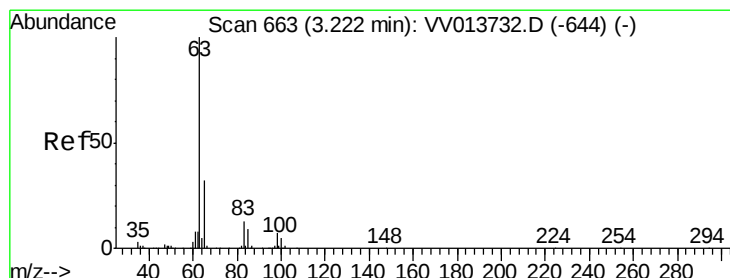
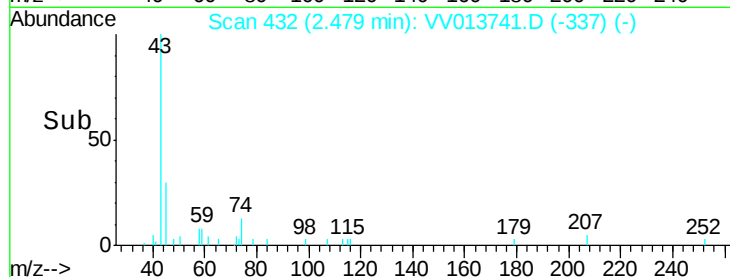


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.48

Time-->



#19

1,1-Dichloroethane

Concen: 0.890 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

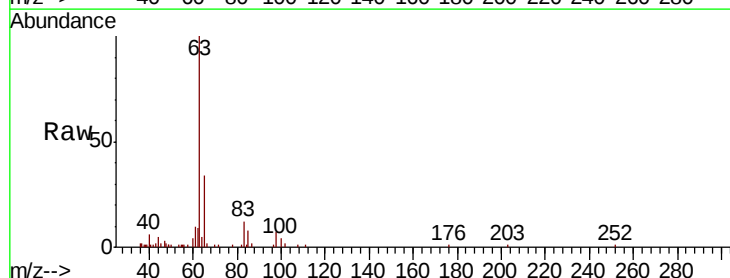
Tgt Ion: 63 Resp: 33224

Ion Ratio Lower Upper

63 100

65 34.2 22.7 42.1

83 11.8 9.2 17.2



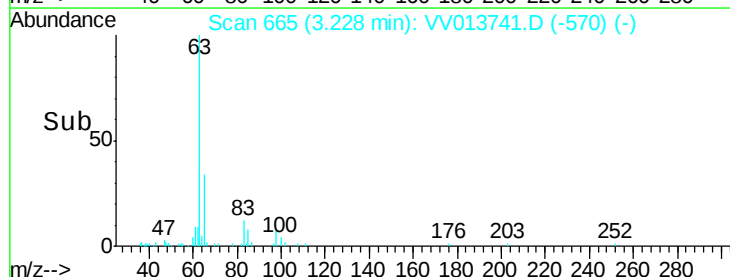
Abundance Ion 63.10 (62.80 to 63.80): VV0

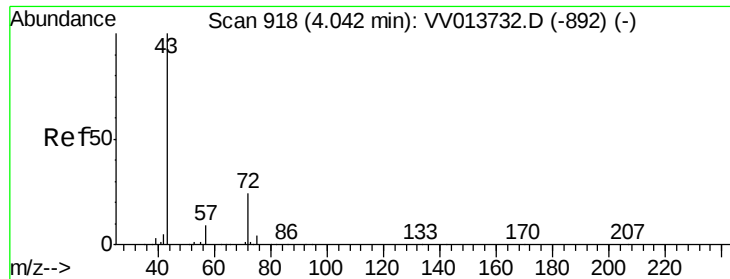
Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

3.23

Time-->

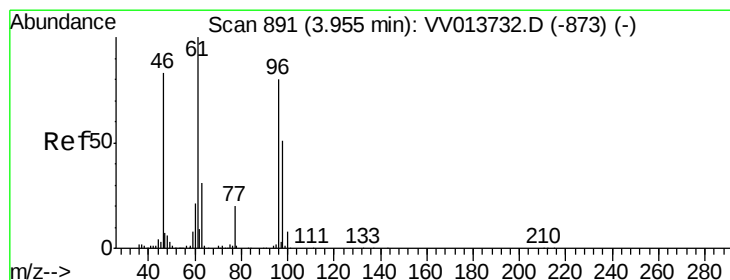
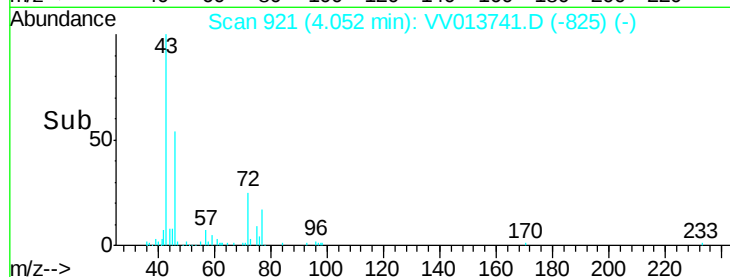
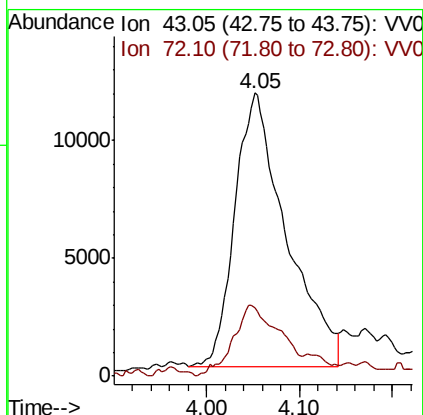
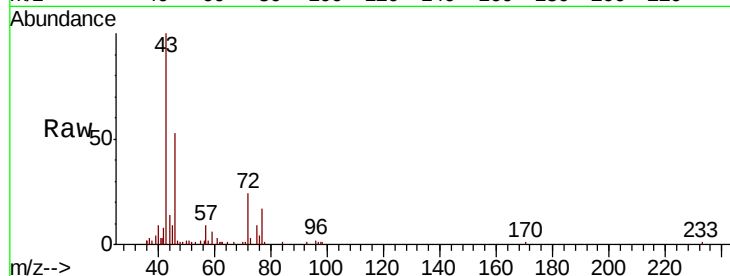




#21
 2-Butanone
 Concen: 9.598 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV013741.D
 Acq: 22 Nov 2019 18:12

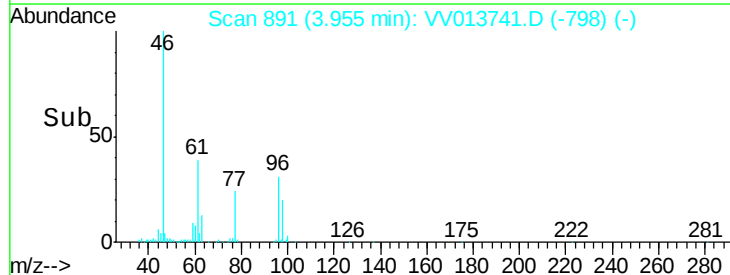
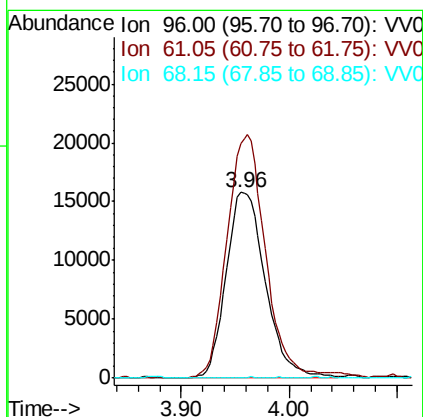
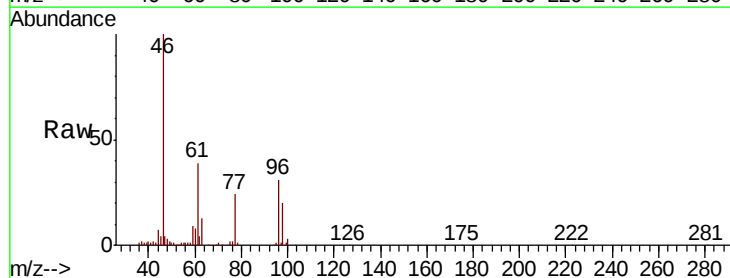
Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC6

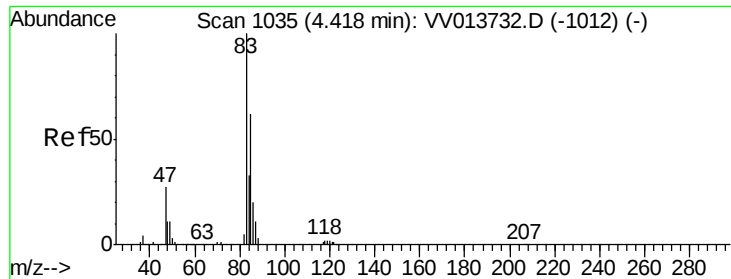
Tot Ion: 43 Resp: 44947
 Ion Ratio Lower Upper
 43 100
 72 23.5 12.3 36.9



#22
 cis-1,2-Dichloroethene
 Concen: 1.831 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013741.D
 Acq: 22 Nov 2019 18:12

Tgt Ion: 96 Resp: 40142
 Ion Ratio Lower Upper
 96 100
 61 126.2 86.1 159.9
 68 0.0 0.0 0.0





#25

Chloroform

Concen: 8.400 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

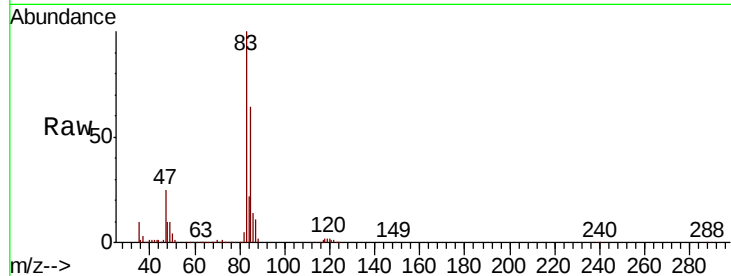
B0AC6

Tot Ion: 83 Resp: 332352

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013741.D (-942) (-)

Ion 85.00 (84.70 to 85.70): VV013741.D (-942) (-)

4.42

150000

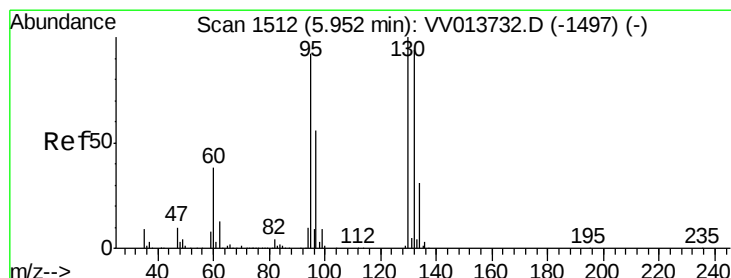
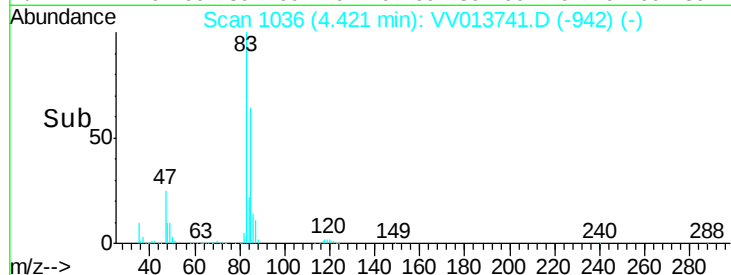
100000

50000

0

4.30 4.40 4.50

Time-->



#34

Trichloroethene

Concen: 1.158 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Tgt Ion: 95 Resp: 26387

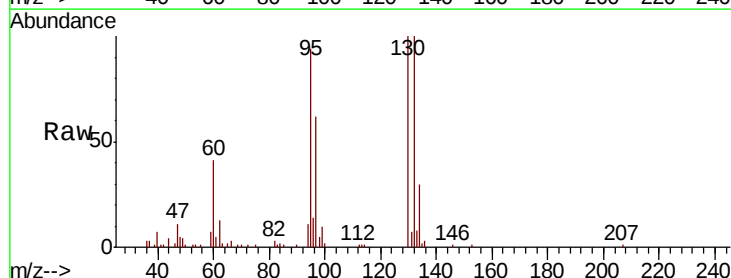
Ion Ratio Lower Upper

95 100

97 66.3 45.6 84.8

132 106.3 70.5 130.9

130 106.5 75.9 140.9



Abundance Ion 95.00 (94.70 to 95.70): VV013741.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV013741.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV013741.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV013741.D (-1419) (-)

20000

15000

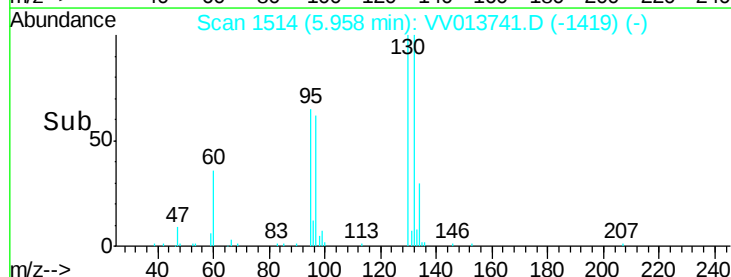
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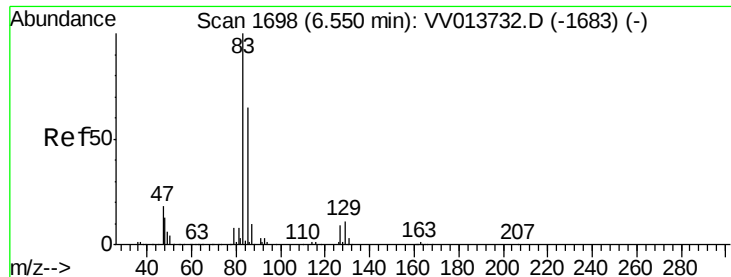
5000

0

5.90 5.95 6.00

Time-->





#38

Bromodichloromethane

Concen: 5.358 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013741.D

Acq: 22 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampled :

B0AC6

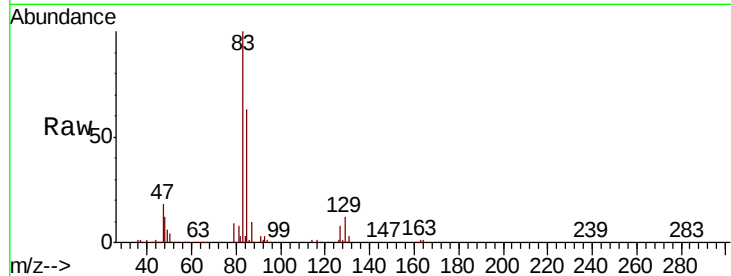
Tot Ion: 83 Resp: 150158

Ion Ratio Lower Upper

83 100

85 62.7 46.1 85.5

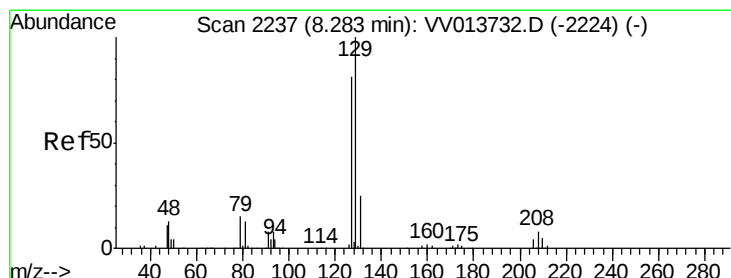
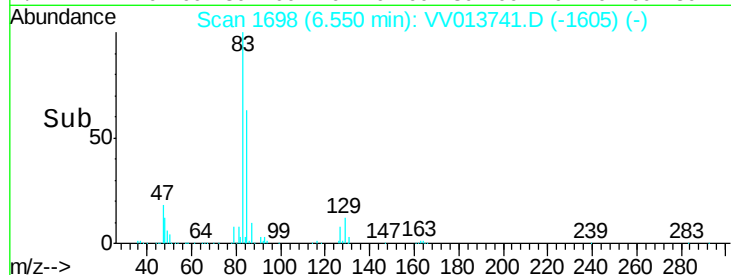
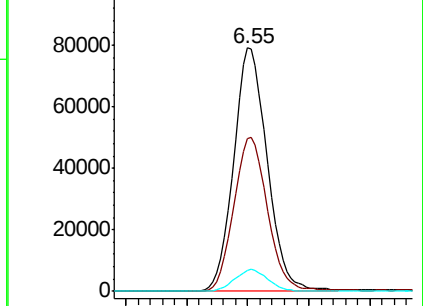
127 8.4 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



#49

Dibromochloromethane

Concen: 3.757 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013741.D

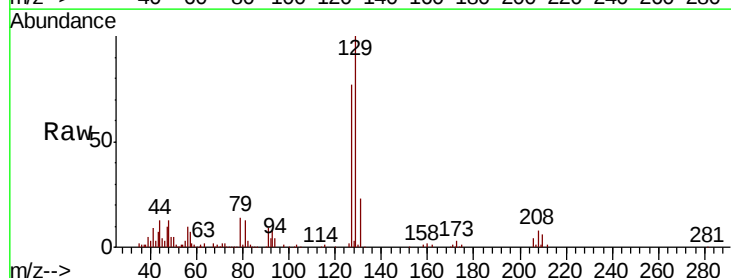
Acq: 22 Nov 2019 18:12

Tgt Ion: 129 Resp: 72930

Ion Ratio Lower Upper

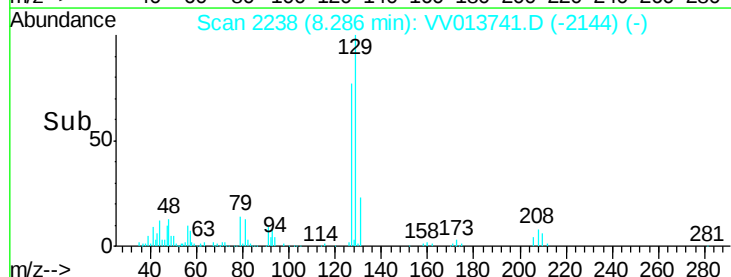
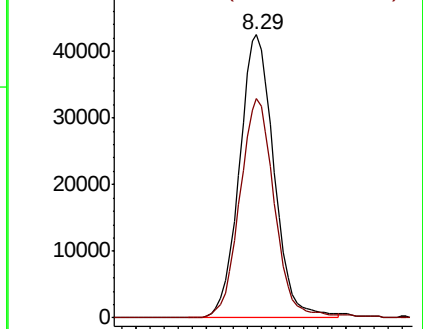
129 100

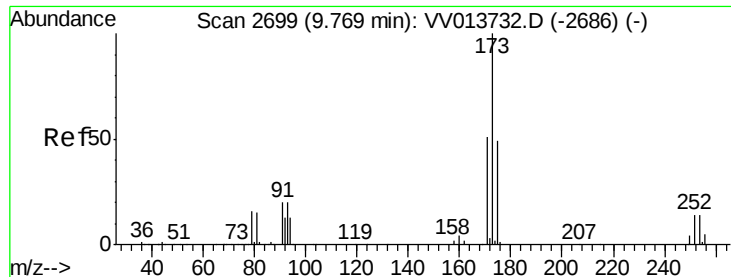
127 77.4 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#61

Bromoform

Concen: 0.521 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013741.D

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Instrument :
MSVOA_V
ClientSampleId :
B0AC6

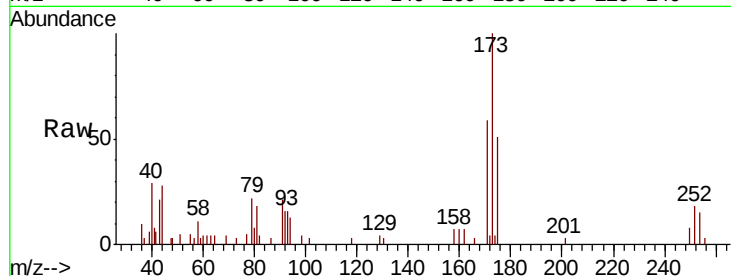
Tot Ion:173 Resp: 5291

Ion Ratio Lower Upper

173 100

175 52.0 39.1 58.7

254 14.5 10.4 15.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

