

Data File : VV013735.D
Acq On : 22 Nov 2019 15:48
Operator : SY/MD
Sample : K5941-16
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AD0

Quant Time: Nov 23 01:38:09 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	362132	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	337668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	152533	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103221	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	88919	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	136142	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.96	46	213413	45.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.60%
24) Chloroform-d	4.40	84	200694	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	109143	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	408087	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.11	67	125354	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	372243	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	43077	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.14	63	157867	42.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	84649	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	139341	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

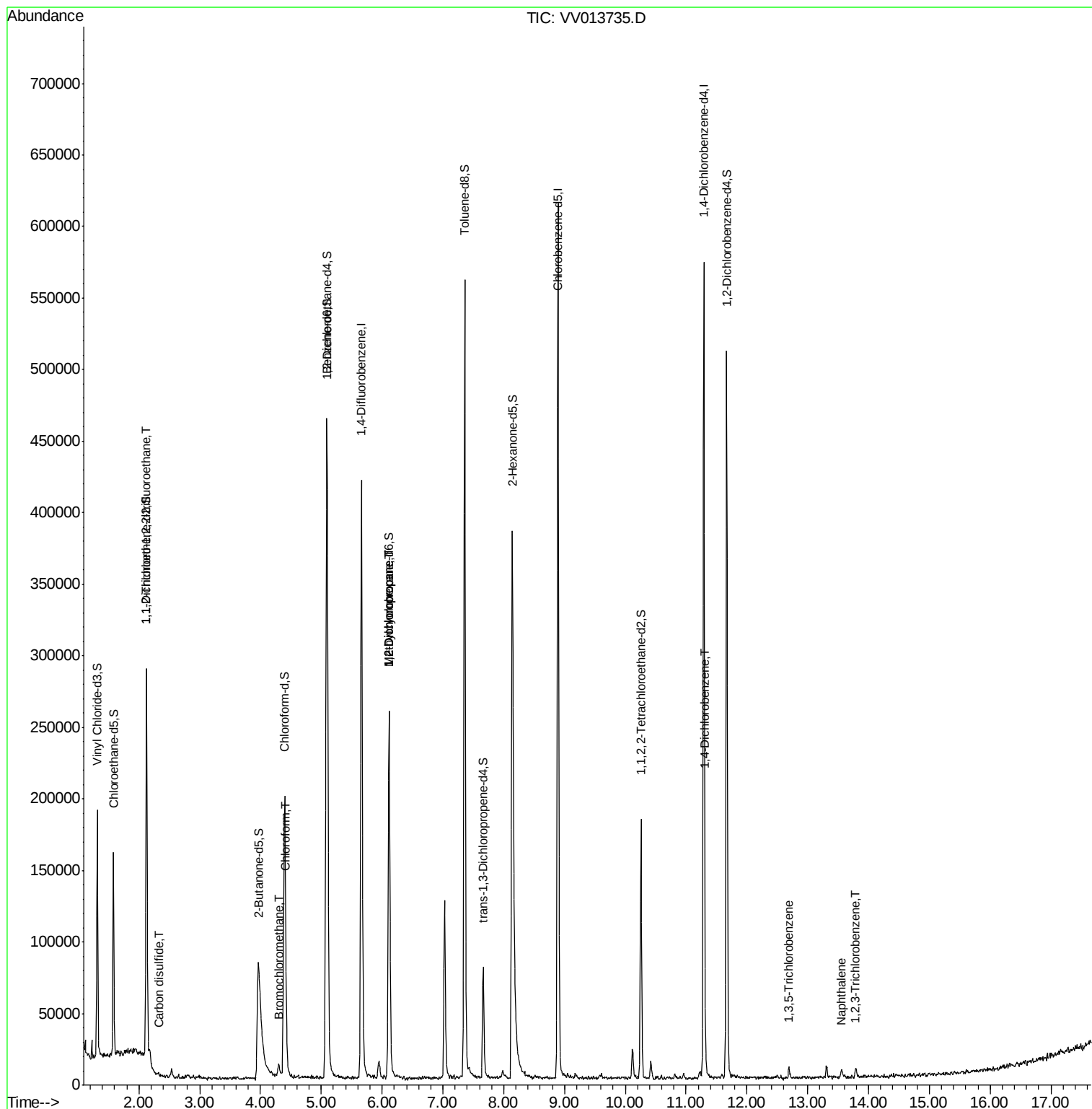
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1776	0.089	ug/L #	34
14) Carbon disulfide	2.32	76	1633	0.041	ug/L #	79
23) Bromochloromethane	4.29	128	3273	0.323	ug/L	90
25) Chloroform	4.42	83	6542	0.157	ug/L	84
35) Methylcyclohexane	6.12	83	30316	0.994	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	14603	0.686	ug/L #	89
63) 1,4-Dichlorobenzene	11.32	146	3176	0.070	ug/L #	80
67) 1,3,5-Trichlorobenzene	12.69	180	2569	0.069	ug/L #	89
69) Naphthalene	13.55	128	3721	0.089	ug/L #	84
70) 1,2,3-Trichlorobenzene	13.79	180	2371	0.085	ug/L	86

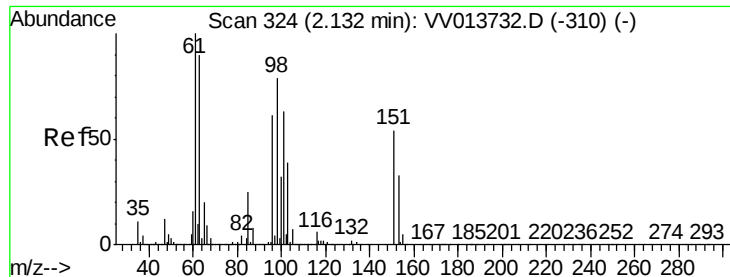
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

B0AD0

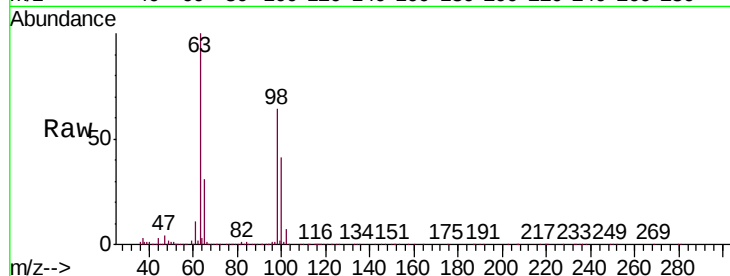
Tgt Ion:101 Resp: 1776

Ion Ratio Lower Upper

101 100

85 15.4 33.4 50.0#

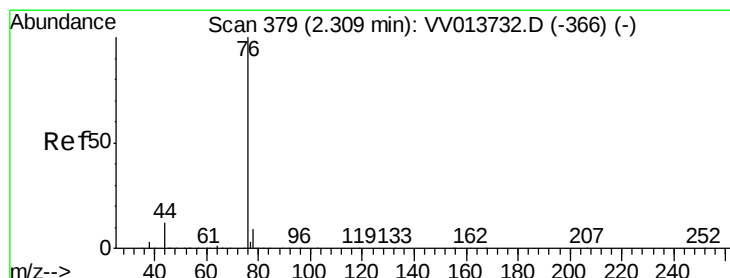
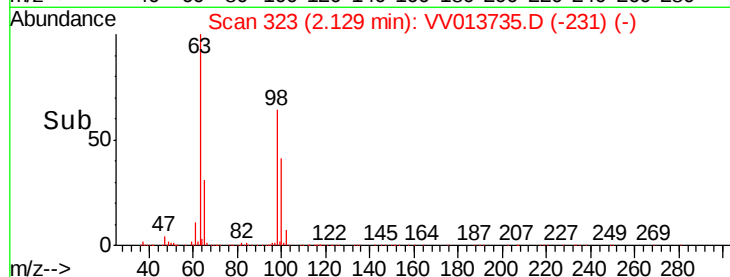
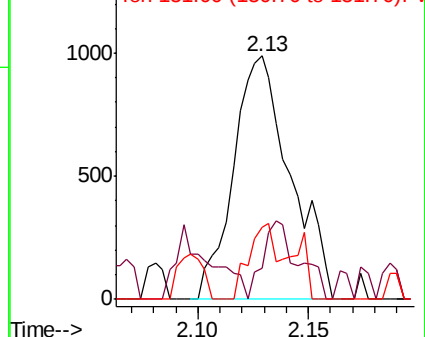
151 15.7 69.4 104.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#14

Carbon disulfide

Concen: 0.041 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013735.D

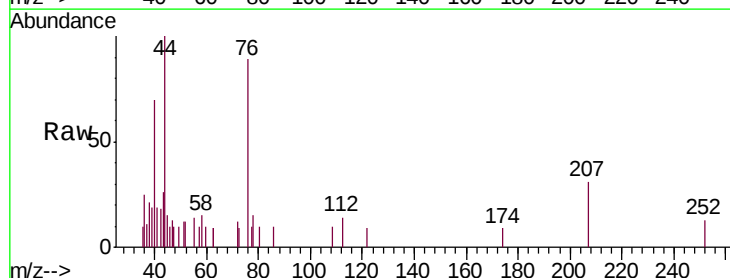
Acq: 22 Nov 2019 15:48

Tgt Ion: 76 Resp: 1633

Ion Ratio Lower Upper

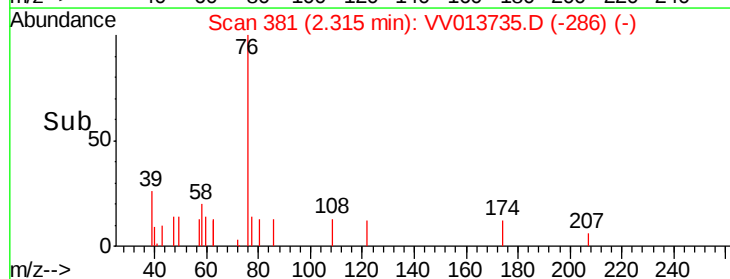
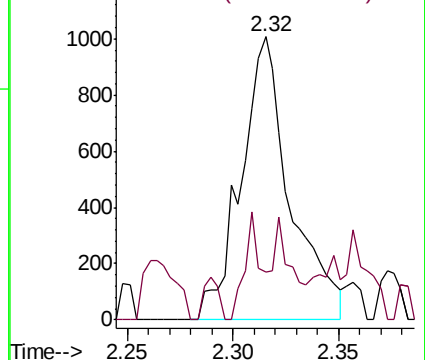
76 100

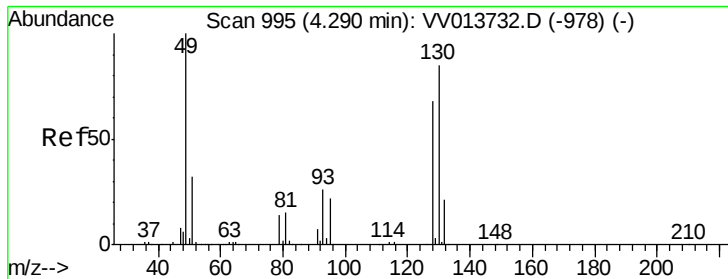
78 17.1 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#23

Bromochloromethane

Concen: 0.323 ug/L

RT: 4.29 min Scan# 996

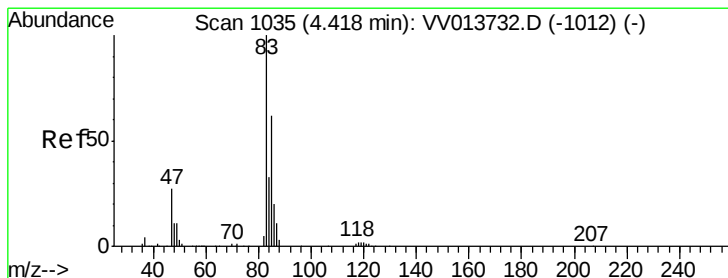
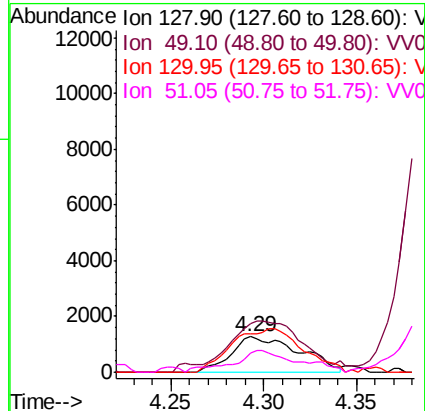
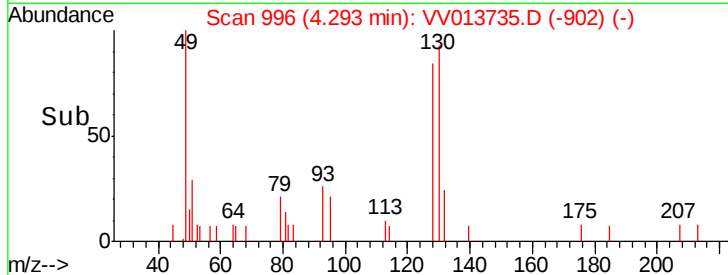
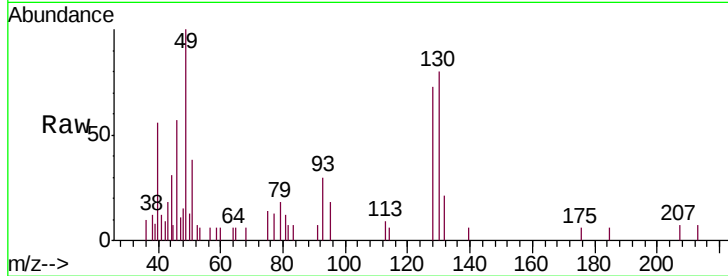
Delta R.T. 0.00 min

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Tgt Ion:	128	Resp:	3273
Ion	Ratio	Lower	Upper
128	100		
49	137.9	100.1	185.9
130	109.9	89.0	165.4
51	52.7	36.3	54.5



#25

Chloroform

Concen: 0.157 ug/L

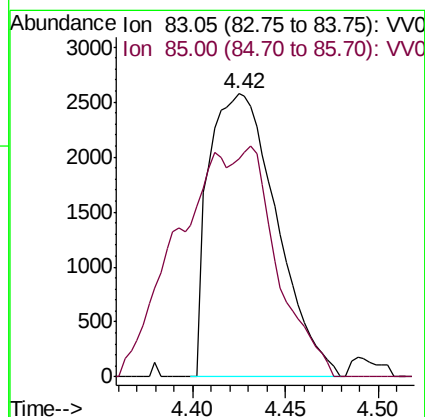
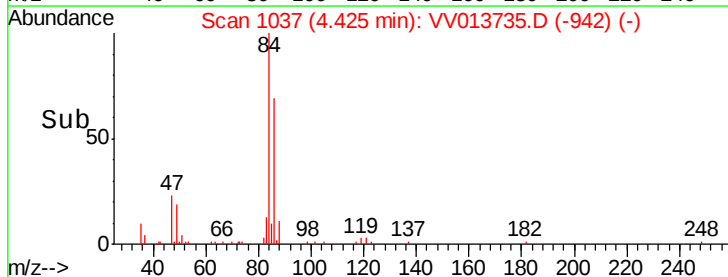
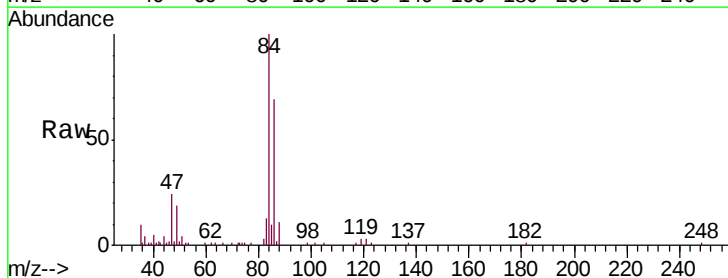
RT: 4.42 min Scan# 1037

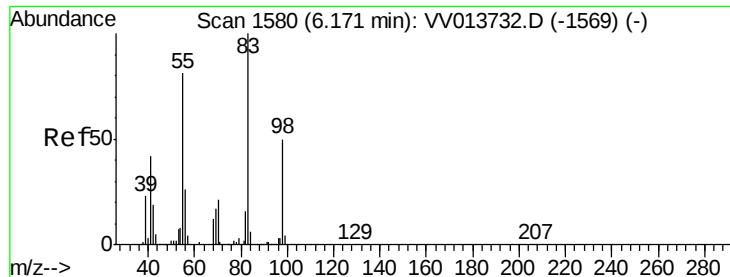
Delta R.T. 0.01 min

Lab File: VV013735.D

Acq: 22 Nov 2019 15:48

Tgt Ion:	83	Resp:	6542
Ion	Ratio	Lower	Upper
83	100		
85	77.0	45.1	83.7





#35

Methylcyclohexane

Concen: 0.994 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV013735.D

Acq: 22 Nov 2019 15:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD0

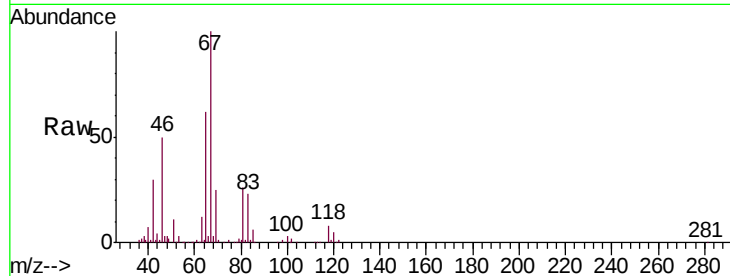
Tgt Ion: 83 Resp: 30316

Ion Ratio Lower Upper

83 100

55 0.9 60.3 90.5#

98 0.0 38.1 57.1#

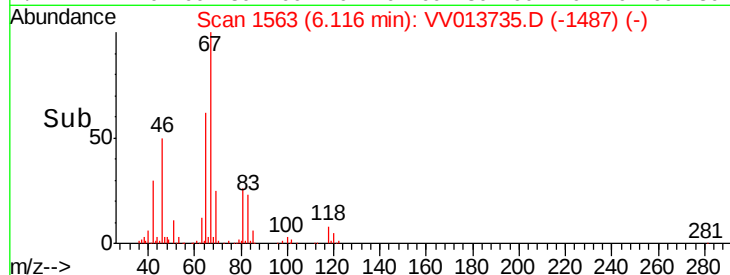


Abundance Ion 83.15 (82.85 to 83.85): VV013735.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV013735.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV013735.D (-1569) (-)

Time-->

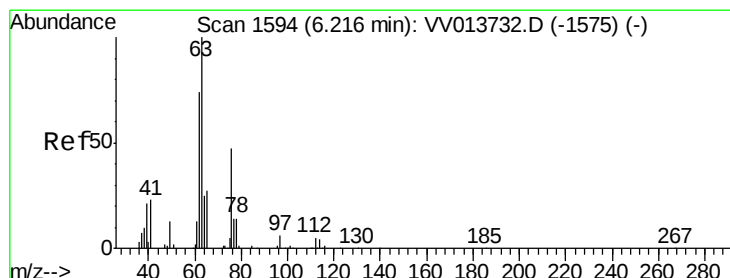


Abundance Ion 83.15 (82.85 to 83.85): VV013735.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV013735.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV013735.D (-1569) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.686 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013735.D

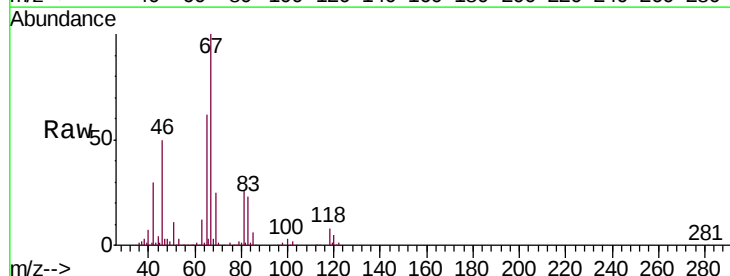
Acq: 22 Nov 2019 15:48

Tgt Ion: 63 Resp: 14603

Ion Ratio Lower Upper

63 100

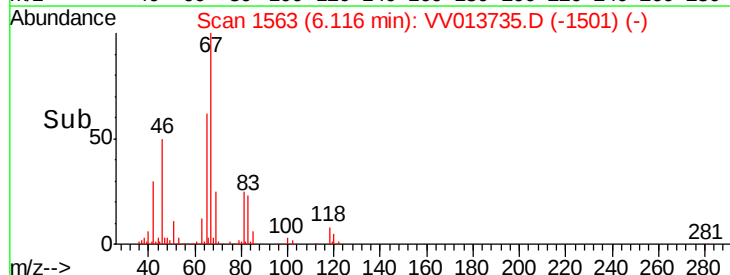
112 2.0 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV013735.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV013735.D (-1501) (-)

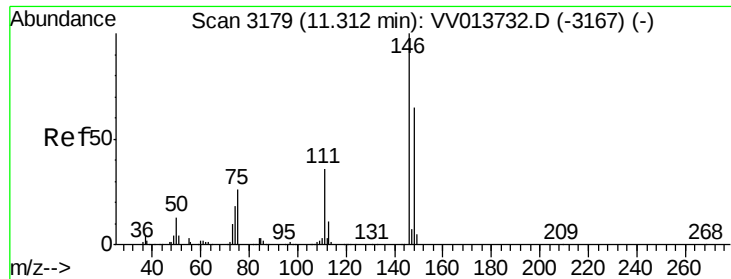
Time-->



Abundance Ion 63.10 (62.80 to 63.80): VV013735.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV013735.D (-1501) (-)

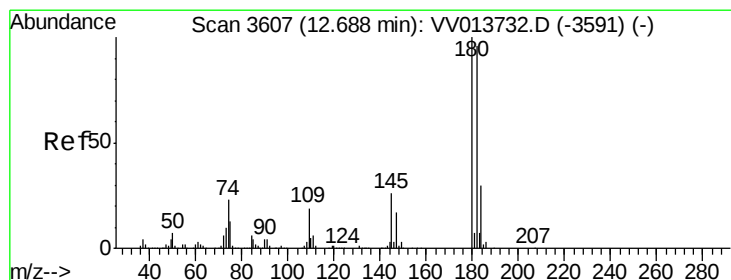
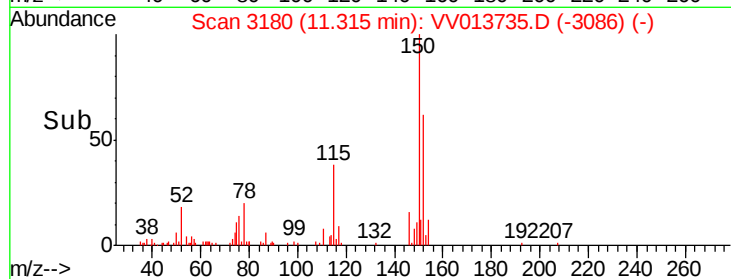
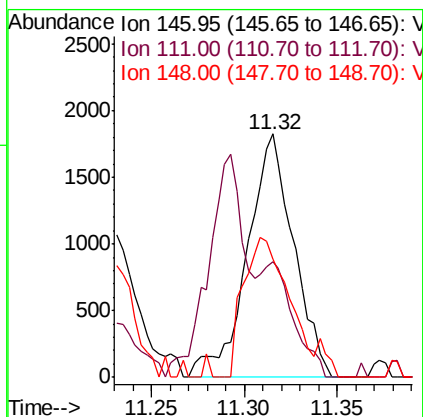
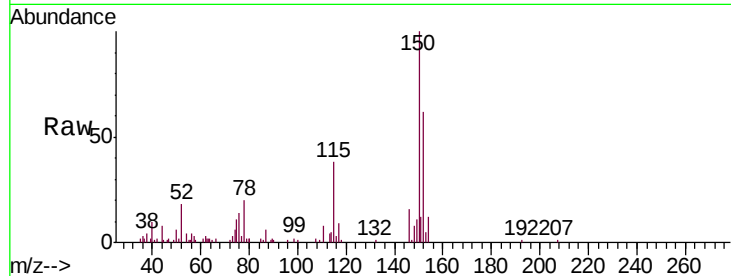
Time-->



#63
 1,4-Dichlorobenzene
 Concen: 0.070 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013735.D
 Acq: 22 Nov 2019 15:48

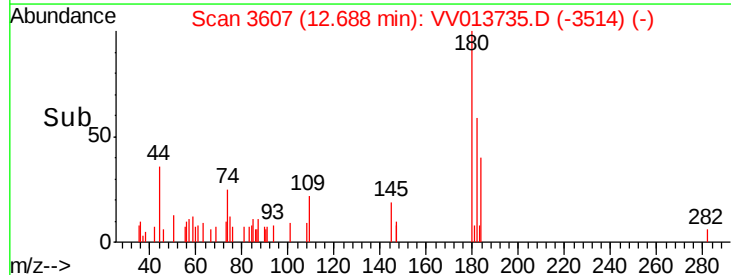
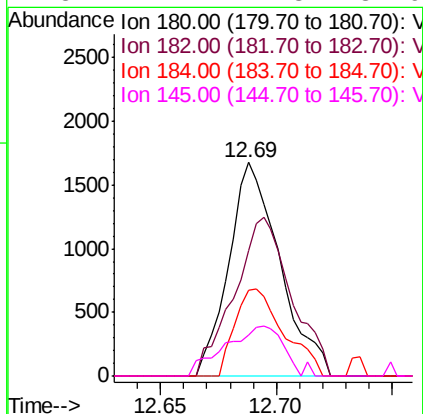
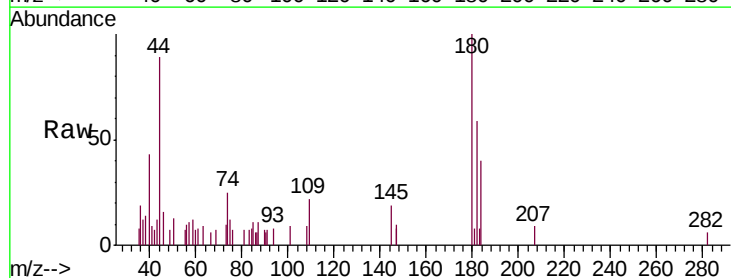
Instrument :
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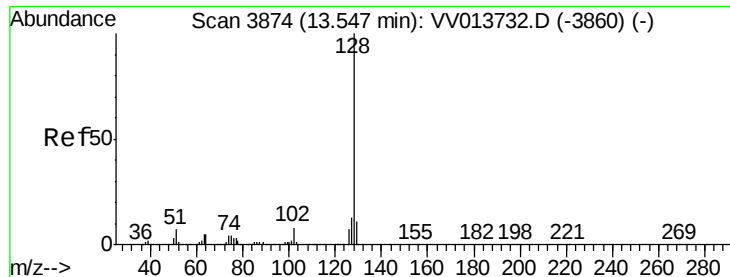
Tgt Ion:146 Resp: 3176
 Ion Ratio Lower Upper
 146 100
 111 47.3 25.0 46.4#
 148 48.5 45.4 84.2



#67
 1,3,5-Trichlorobenzene
 Concen: 0.069 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013735.D
 Acq: 22 Nov 2019 15:48

Tgt Ion:180 Resp: 2569
 Ion Ratio Lower Upper
 180 100
 182 82.6 74.8 112.2
 184 38.9 23.2 34.8#
 145 27.1 21.3 31.9





#69

Naphthalene

Concen: 0.089 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013735.D

Acq: 22 Nov 2019 15:48

Instrument :

MSVOA_V

ClientSampleId :

B0AD0

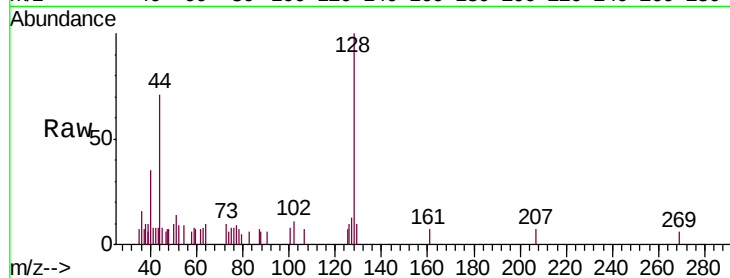
Tgt Ion:128 Resp: 3721

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

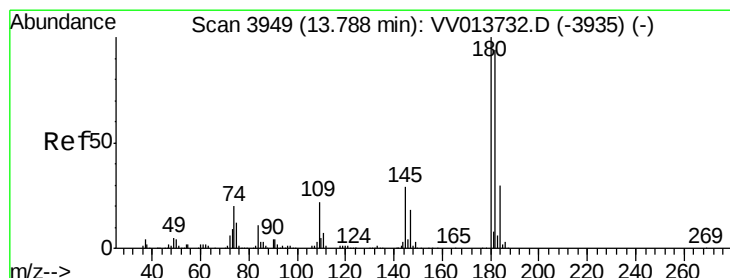
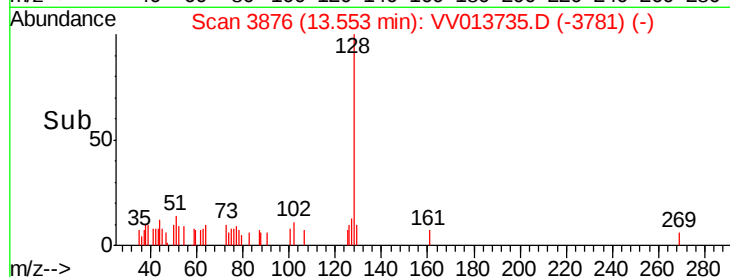
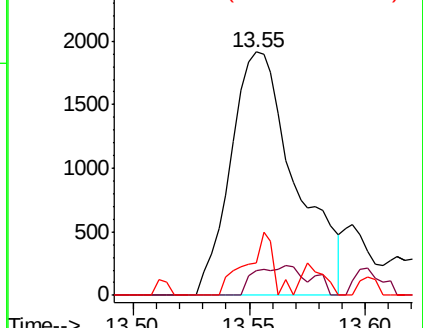
127 11.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.085 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VV013735.D

Acq: 22 Nov 2019 15:48

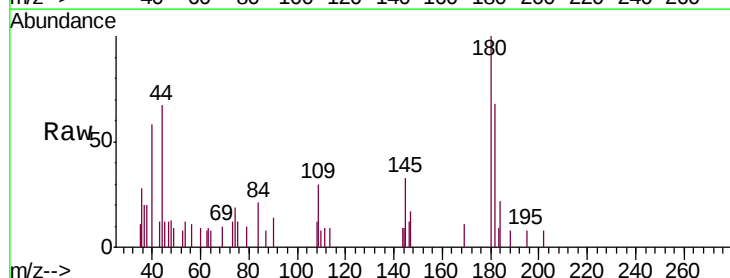
Tgt Ion:180 Resp: 2371

Ion Ratio Lower Upper

180 100

182 82.7 78.5 117.7

145 35.3 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

