

Data File : VV009999.D
Acq On : 29 Mar 2019 14:17
Operator : SY/MD
Sample : K2021-05
Misc : 5.48G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Quant Time: Mar 30 04:16:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	21432	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	18132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	2523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11445	26.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.28%
7) Chloroethane-d5	1.57	69	12799	27.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.00%
10) 1,1-Dichloroethene-d2	2.13	63	23693	19.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.68%
20) 2-Butanone-d5	3.94	46	2910	35.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.82%
24) Chloroform-d	4.40	84	14104	25.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.32%
26) 1,2-Dichloroethane-d4	5.08	65	10379	31.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.32%
29) Benzene-d6	5.10	84	14859	15.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	62.40%
33) 1,2-Dichloropropane-d6	6.12	67	9038	32.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.76%#
37) Toluene-d8	7.36	98	21656	24.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.12%
38) trans-1,3-Dichloropropene-	7.66	79	2652	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.08%
39) 2-Hexanone-d5	8.14	63	2003	38.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.04%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7275	26.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.52%
61) 1,2-Dichlorobenzene-d4	11.68	152	4213	43.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	175.44%#

Target Compounds

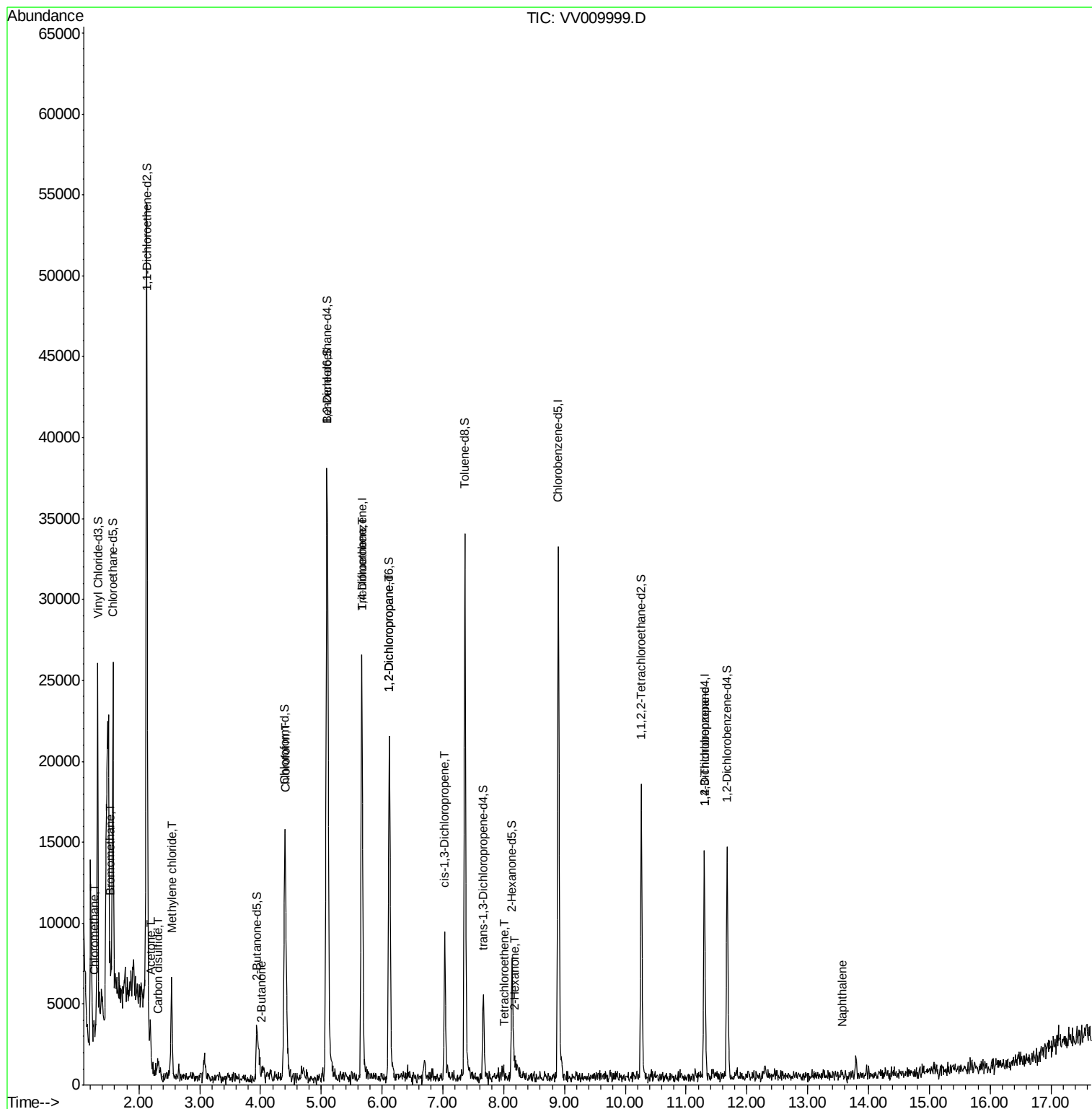
					Qvalue
3) Chloromethane	1.26	50	199	0.519 ug/L #	43
6) Bromomethane	1.53	94	571	1.148 ug/L	16
13) Acetone	2.19	43	2723	22.192 ug/L	87
14) Carbon disulfide	2.32	76	417	0.588 ug/L #	74
16) Methylene chloride	2.53	84	1674	4.743 ug/L	95
21) 2-Butanone	4.02	43	111	1.016 ug/L #	54
25) Chloroform	4.42	83	415	0.731 ug/L	83
35) Trichloroethene	5.67	95	585	2.227 ug/L #	5
40) 1,2-Dichloropropane	6.13	63	1422	5.715 ug/L	99
42) cis-1,3-Dichloropropene	7.04	75	131	0.361 ug/L #	42
47) Tetrachloroethene	8.01	164	121	0.584 ug/L #	1
49) 2-Hexanone	8.19	43	253	2.108 ug/L #	69
59) 1,2,3-Trichloropropane	11.30	75	649	3.242 ug/L #	73
69) Naphthalene	13.57	128	45	0.331 ug/L #	1

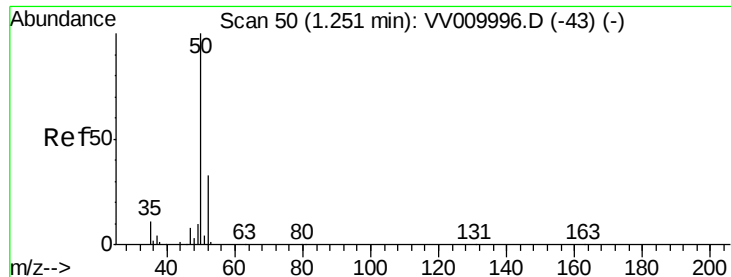
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.519 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV009999.D

Acq: 29 Mar 2019 14:17

Instrument :

MSVOA_V

ClientSampleId :

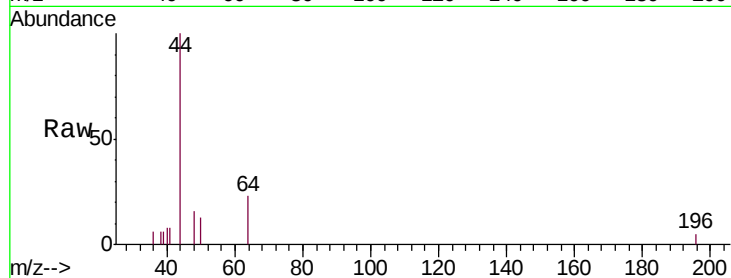
BF5C8RE

Tgt Ion: 50 Resp: 199

Ion Ratio Lower Upper

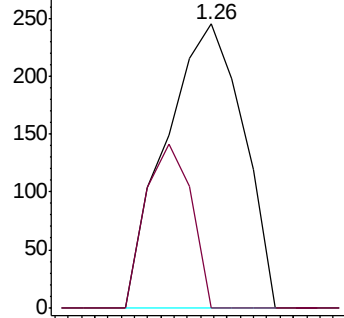
50 100

52 0.0 21.8 40.6#

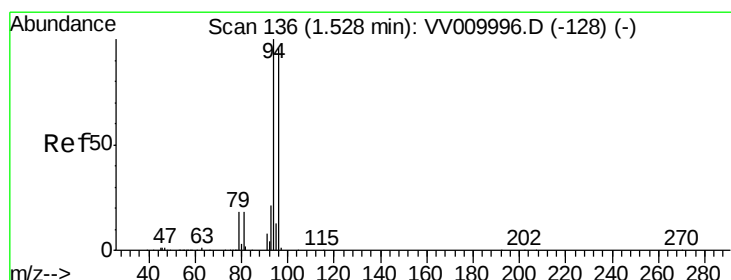
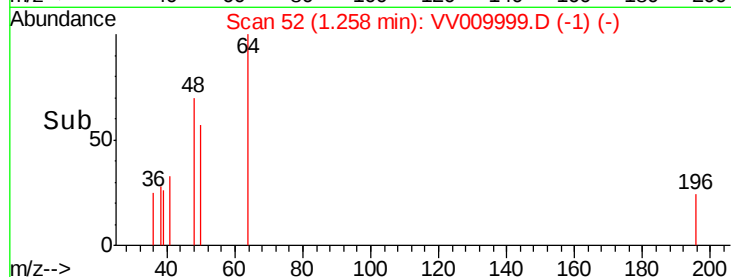


Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->



#6

Bromomethane

Concen: 1.148 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV009999.D

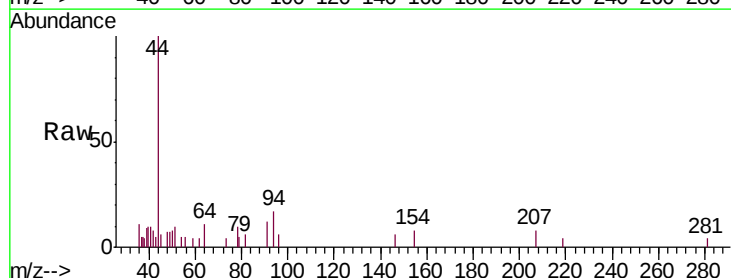
Acq: 29 Mar 2019 14:17

Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

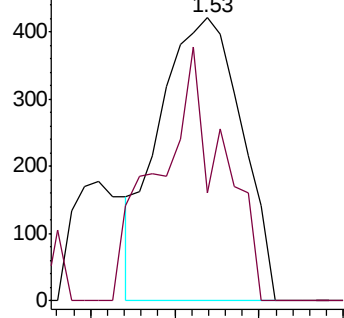
94 100

96 13.5 9.4 179.4

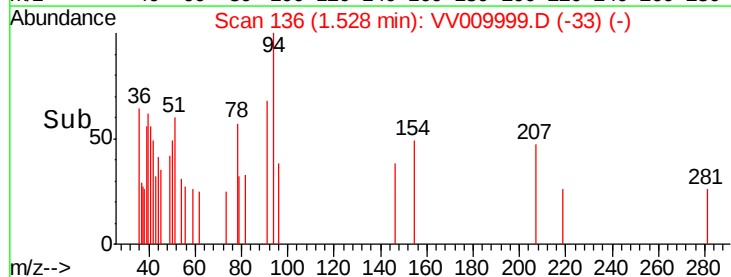


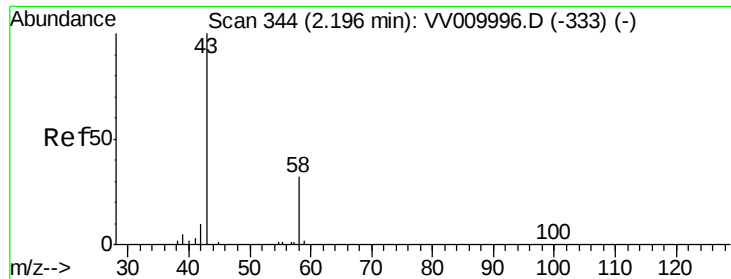
Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->





#13

Acetone

Concen: 22.192 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV009999.D

Acq: 29 Mar 2019 14:17

Instrument :

MSVOA_V

ClientSampleId :

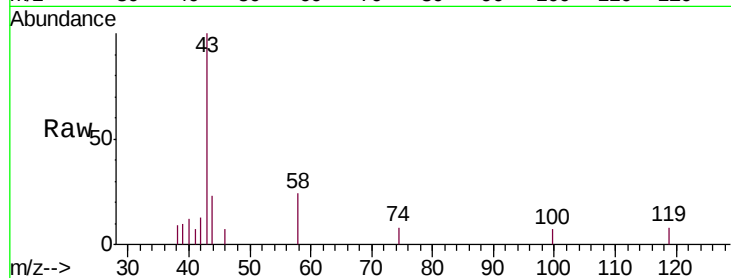
BF5C8RE

Tgt Ion: 43 Resp: 2723

Ion Ratio Lower Upper

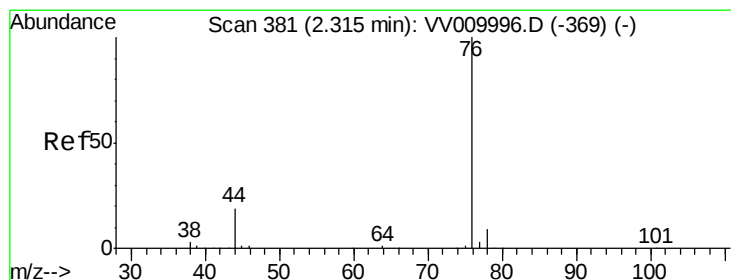
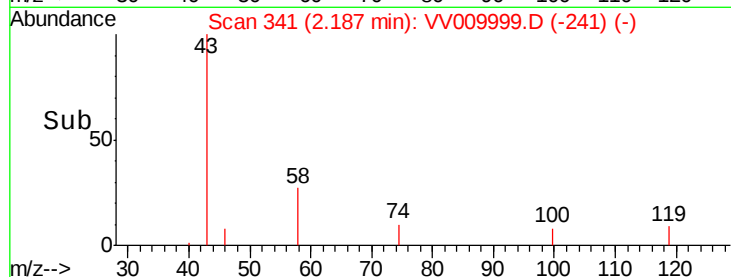
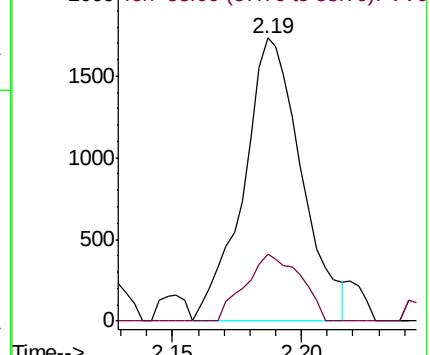
43 100

58 22.4 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009999.D (-241) (-)

Ion 58.00 (57.70 to 58.70): VV009999.D (-241) (-)



#14

Carbon disulfide

Concen: 0.588 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009999.D

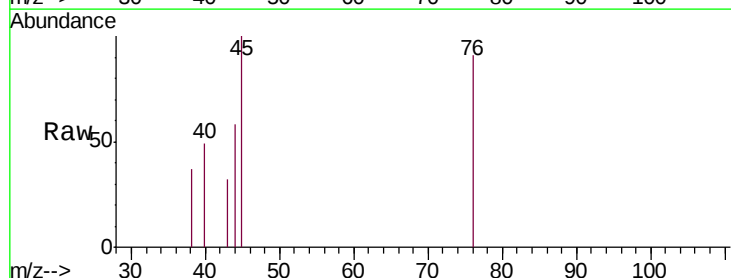
Acq: 29 Mar 2019 14:17

Tgt Ion: 76 Resp: 417

Ion Ratio Lower Upper

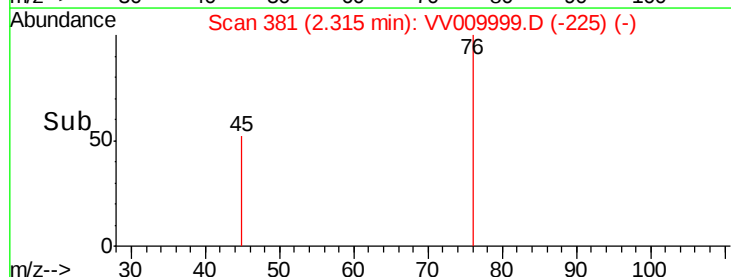
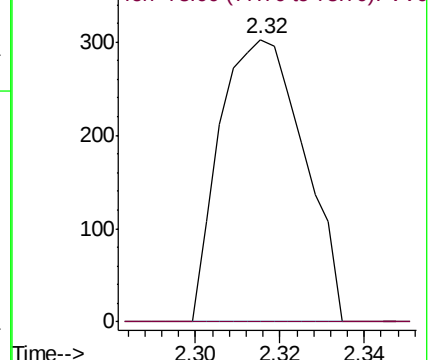
76 100

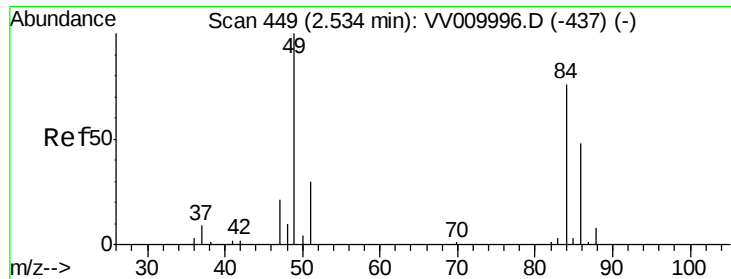
78 0.0 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VV009999.D (-225) (-)

Ion 78.00 (77.70 to 78.70): VV009999.D (-225) (-)

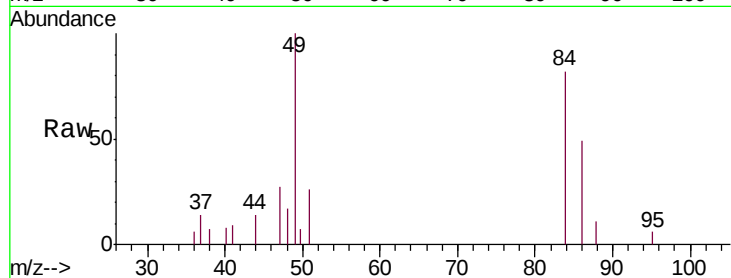




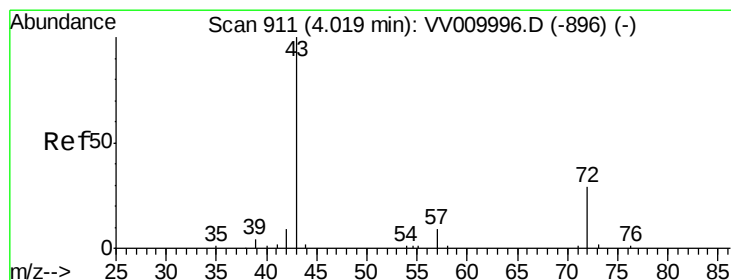
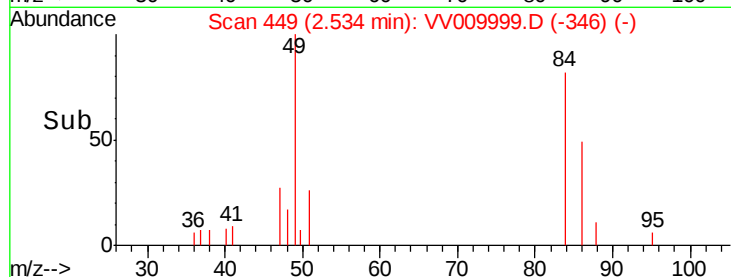
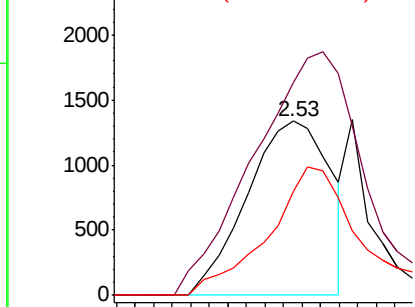
#16
Methylene chloride
Concen: 4.743 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009999.D
Acq: 29 Mar 2019 14:17

Instrument :
MSVOA_V
ClientSampleId :
BF5C8RE

Tgt Ion: 84 Resp: 1674
Ion Ratio Lower Upper
84 100
49 122.5 90.4 167.8
86 59.6 44.0 81.6

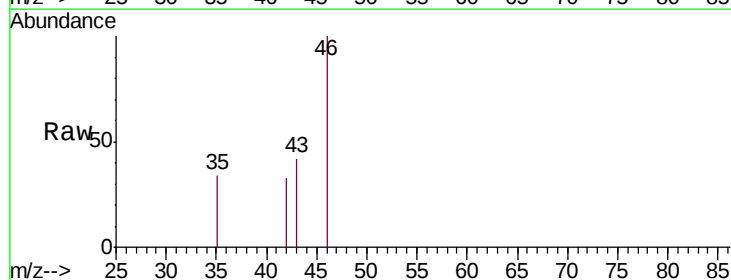


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

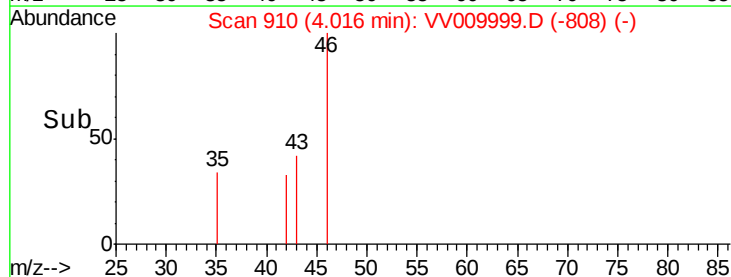
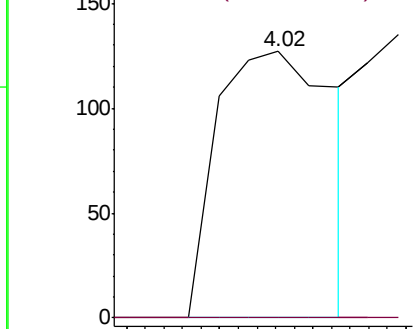


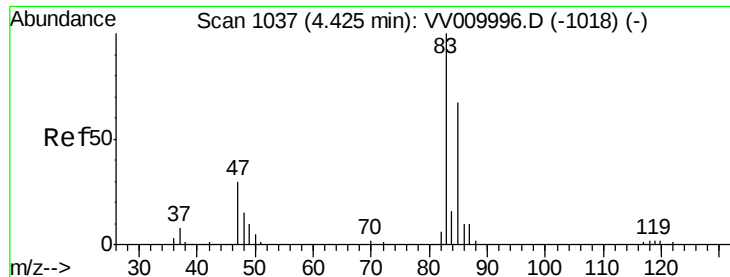
#21
2-Butanone
Concen: 1.016 ug/L
RT: 4.02 min Scan# 910
Delta R.T. -0.00 min
Lab File: VV009999.D
Acq: 29 Mar 2019 14:17

Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
72 0.0 11.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

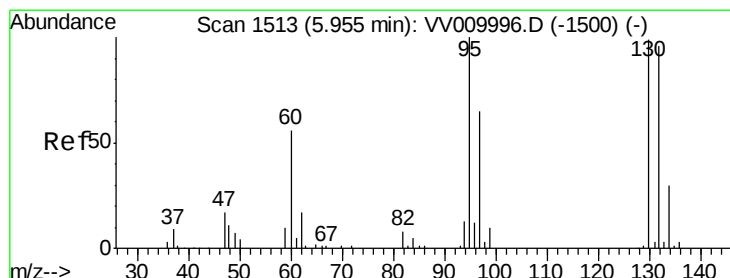
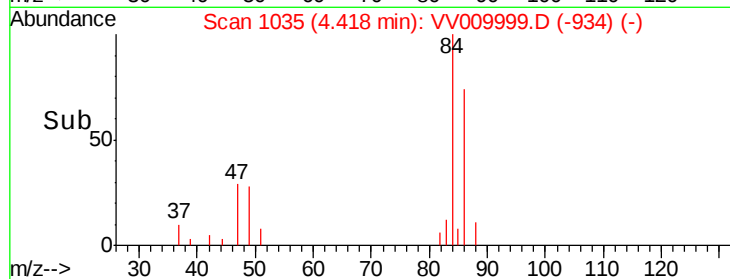
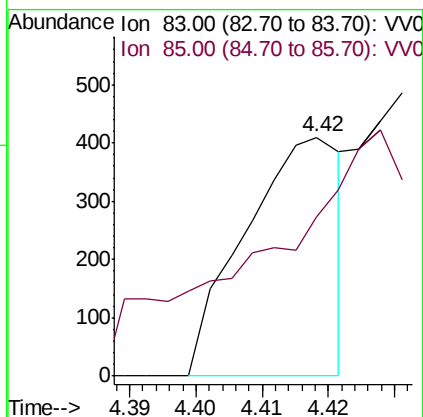
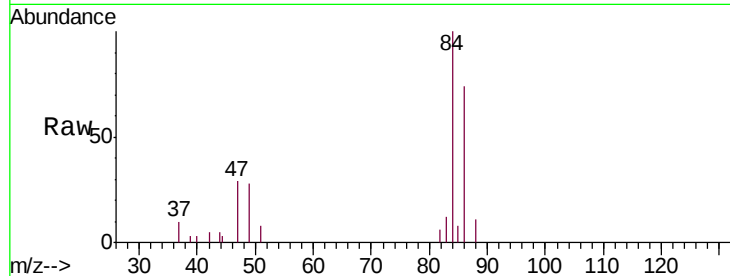




#25
Chloroform
Concen: 0.731 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV009999.D
Acq: 29 Mar 2019 14:17

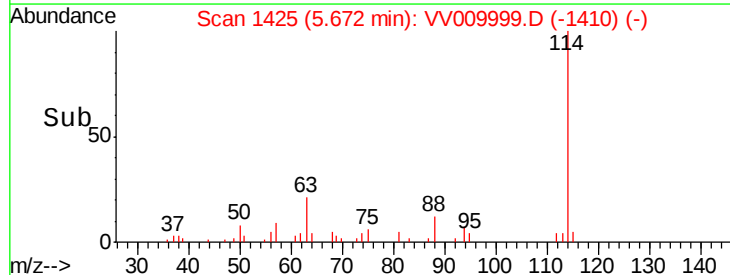
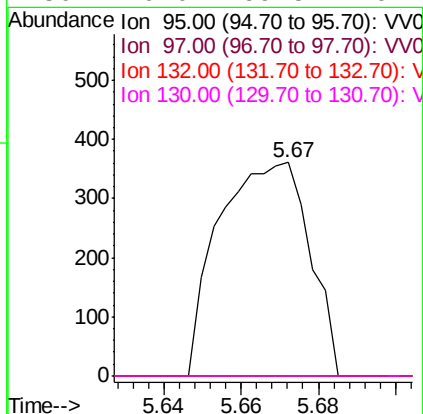
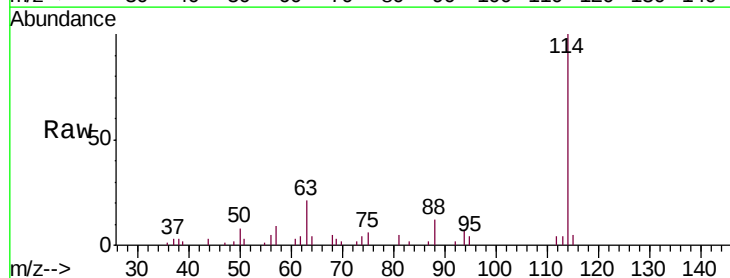
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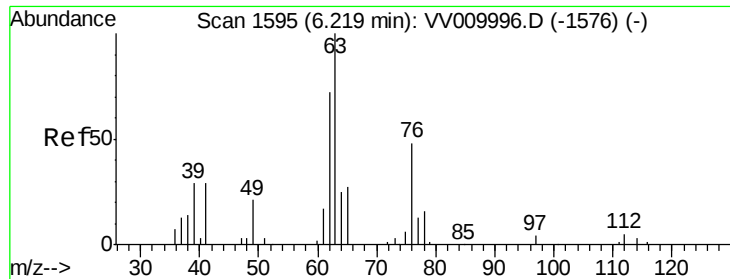
Tgt Ion: 83 Resp: 415
Ion Ratio Lower Upper
83 100
85 52.3 46.1 85.7



#35
Trichloroethene
Concen: 2.227 ug/L
RT: 5.67 min Scan# 1425
Delta R.T. -0.28 min
Lab File: VV009999.D
Acq: 29 Mar 2019 14:17

Tgt Ion: 95 Resp: 585
Ion Ratio Lower Upper
95 100
97 0.0 46.3 85.9#
132 0.0 69.3 128.7#
130 0.0 69.5 129.1#

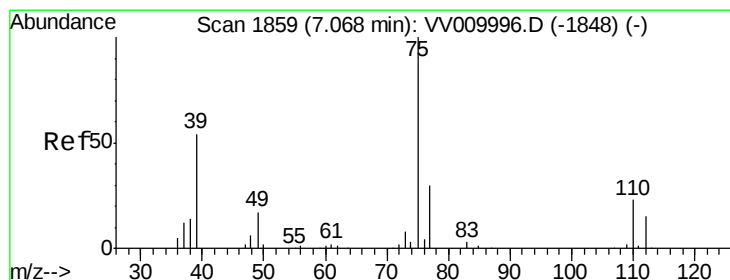
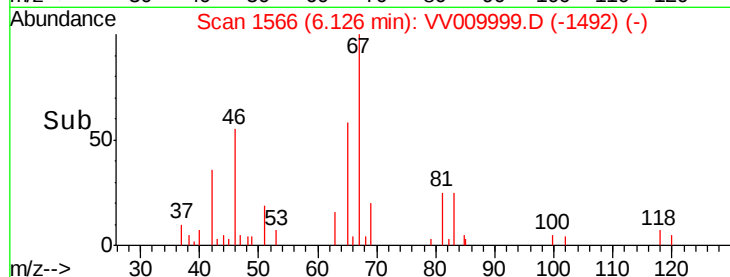
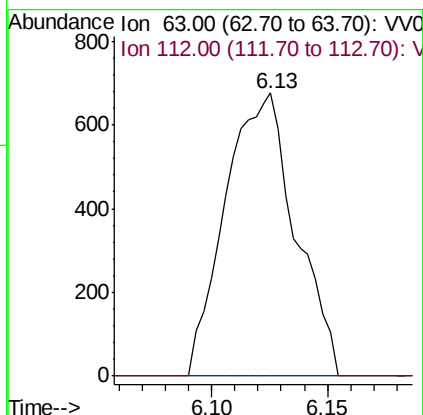
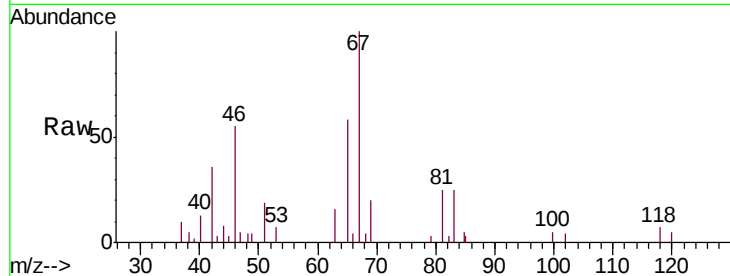




#40
 1,2-Dichloropropane
 Concen: 5.715 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VV009999.D
 Acq: 29 Mar 2019 14:17

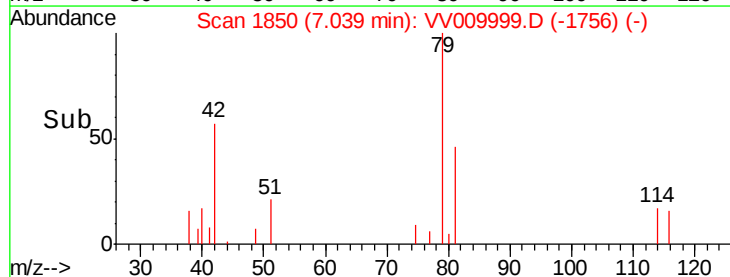
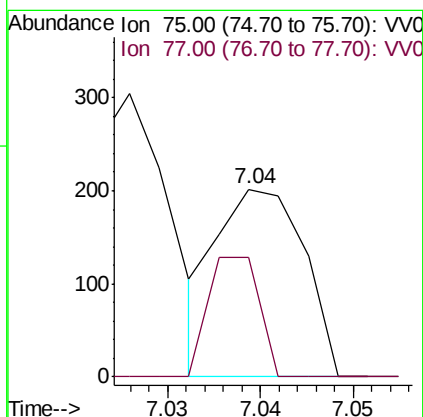
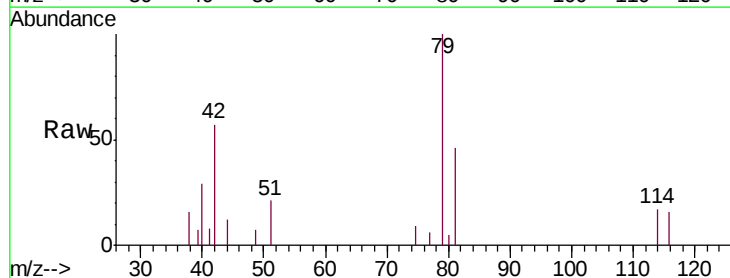
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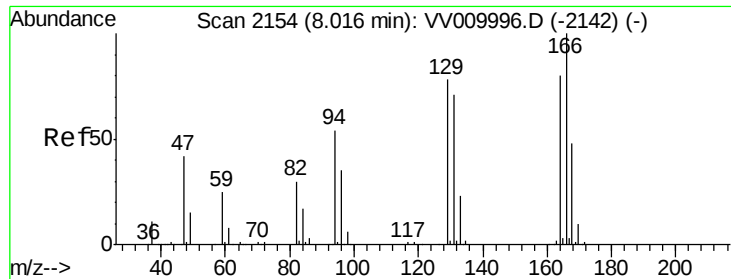
Tgt Ion: 63 Resp: 1422
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.1 3.1



#42
 cis-1,3-Dichloropropene
 Concen: 0.361 ug/L
 RT: 7.04 min Scan# 1850
 Delta R.T. -0.03 min
 Lab File: VV009999.D
 Acq: 29 Mar 2019 14:17

Tgt Ion: 75 Resp: 131
 Ion Ratio Lower Upper
 75 100
 77 63.4 21.8 40.6#





#47

Tetrachloroethene

Concen: 0.584 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV009999.D

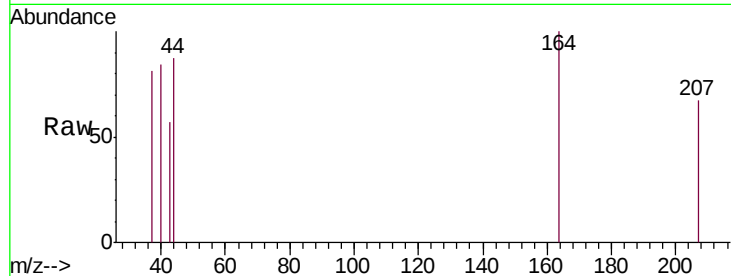
Acq: 29 Mar 2019 14:17

Instrument :

MSVOA_V

ClientSampleId :

BF5C8RE



Tgt Ion:164 Resp: 121

Ion Ratio Lower Upper

164 100

129 0.0 64.9 120.5#

131 0.0 62.0 115.2#

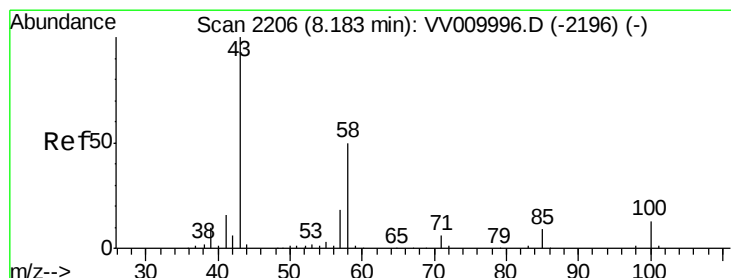
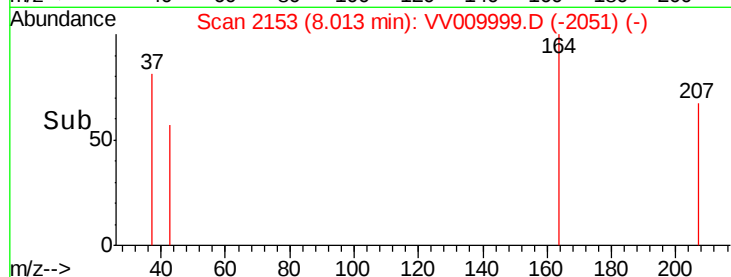
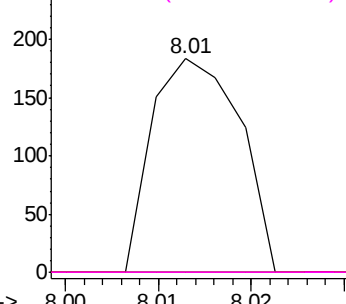
166 0.0 82.9 153.9#

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 2.108 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV009999.D

Acq: 29 Mar 2019 14:17

Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

58 29.6 42.0 63.0#

57 27.3 12.9 19.3#

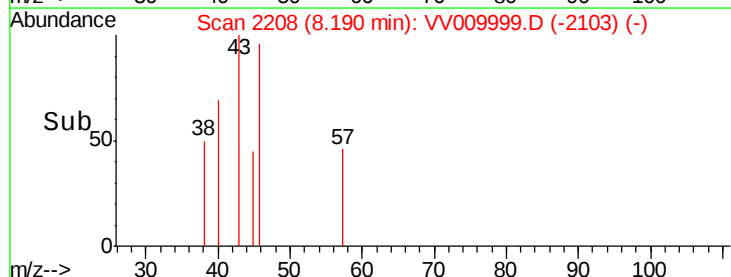
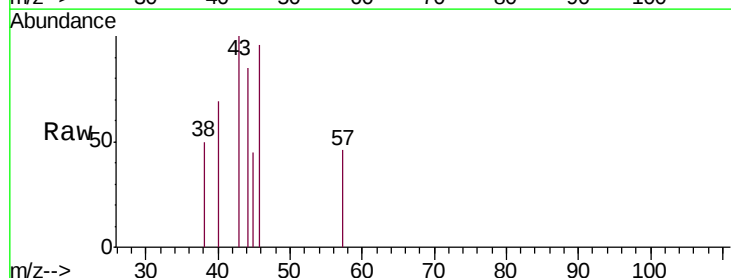
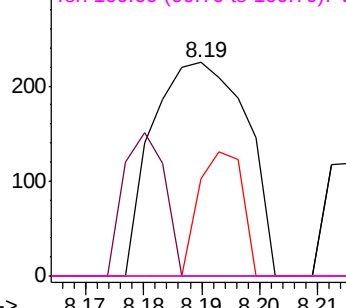
100 0.0 9.1 13.7#

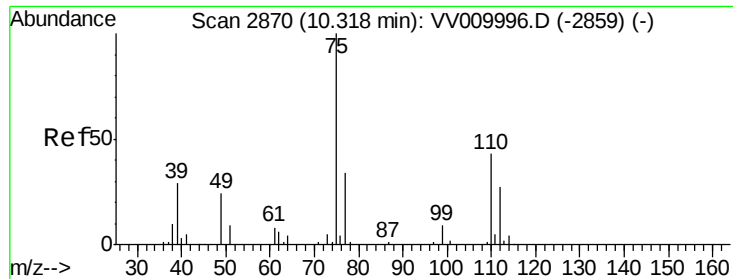
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

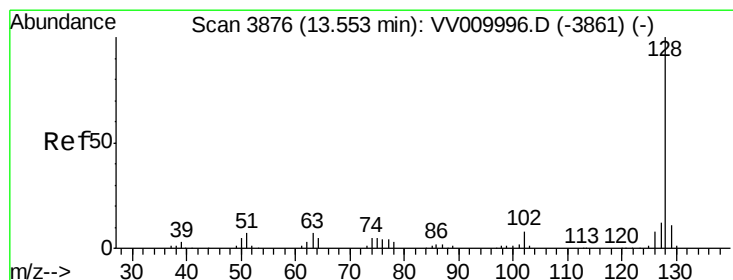
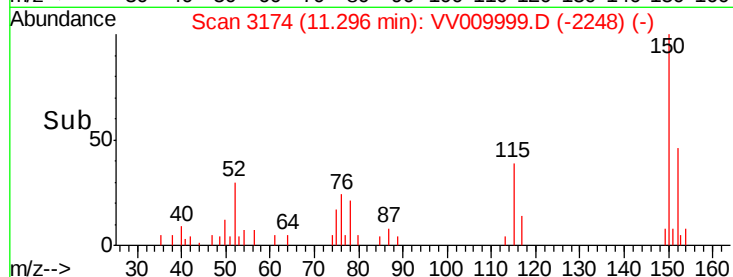
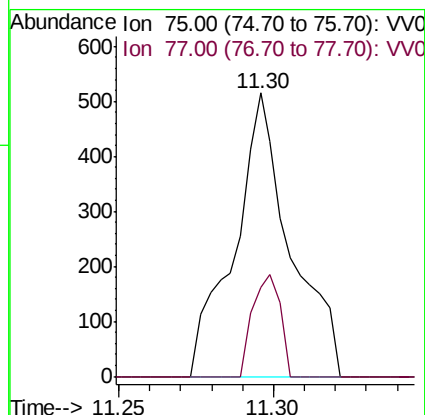
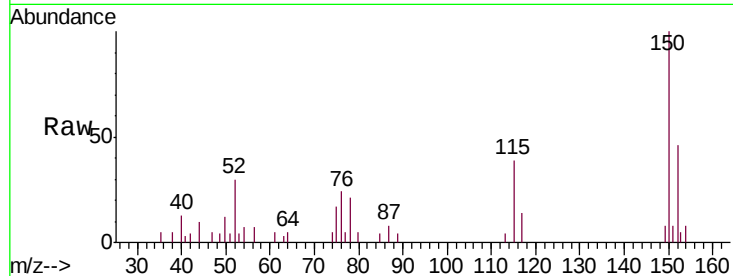




#59
 1,2,3-Trichloropropane
 Concen: 3.242 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV009999.D
 Acq: 29 Mar 2019 14:17

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5C8RE

Tgt Ion: 75 Resp: 649
 Ion Ratio Lower Upper
 75 100
 77 17.7 26.2 39.2#



#69
 Naphthalene
 Concen: 0.331 ug/L
 RT: 13.57 min Scan# 3882
 Delta R.T. 0.02 min
 Lab File: VV009999.D
 Acq: 29 Mar 2019 14:17

Tgt Ion: 128 Resp: 45
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.8 13.2#
 127 131.1 11.4 17.2#

