

Data File : VV009308.D
Acq On : 20 Feb 2019 19:26
Operator : SY/MD
Sample : VSTD2.569
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.569

Quant Time: Feb 21 03:31:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 21 03:29:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	130746	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	118717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5219	2.37	ug/L	0.00
7) Chloroethane-d5	1.57	69	5628	1.37	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	12040	2.04	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1683	3.11	ug/L	0.02
24) Chloroform-d	4.41	84	7604	2.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	3617	1.99	ug/L	0.00
29) Benzene-d6	5.10	84	14817	2.48	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	4485	2.55	ug/L	0.00
37) Toluene-d8	7.36	98	14680	2.54	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2391	2.66	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2833	7.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	4820	2.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	5545	2.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3937	2.947 ug/L	92
3) Chloromethane	1.25	50	4755	2.166 ug/L	99
5) Vinyl chloride	1.32	62	5273	1.940 ug/L #	80
6) Bromomethane	1.53	94	4951	1.528 ug/L	92
8) Chloroethane	1.59	64	4394	1.170 ug/L	93
9) Trichlorofluoromethane	1.76	101	9846	1.777 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5832	1.883 ug/L	94
12) 1,1-Dichloroethene	2.14	96	4664	1.722 ug/L	99
13) Acetone	2.20	43	3655	6.153 ug/L	94
14) Carbon disulfide	2.32	76	12693	2.680 ug/L #	94
15) Methyl Acetate	2.47	43	1848	2.316 ug/L #	84
16) Methylene chloride	2.54	84	6931	4.064 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	10372	2.525 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	4402	2.689 ug/L	86
19) 1,1-Dichloroethane	3.23	63	6925	2.293 ug/L	98
21) 2-Butanone	4.05	43	2789	3.782 ug/L	86
22) cis-1,2-Dichloroethene	3.97	96	4441	2.349 ug/L	96
23) Bromochloromethane	4.30	128	1176	1.409 ug/L	92
25) Chloroform	4.43	83	7602	2.365 ug/L	97
27) 1,2-Dichloroethane	5.19	62	4886	2.025 ug/L #	93
30) Cyclohexane	4.73	56	7423	2.568 ug/L #	92
31) 1,1,1-Trichloroethane	4.66	97	6660	2.319 ug/L	97
32) Carbon tetrachloride	4.87	117	5592	2.273 ug/L	98
34) Benzene	5.15	78	16082	2.389 ug/L	100
35) Trichloroethene	5.96	95	4940	2.777 ug/L #	81
36) Methylcyclohexane	6.18	83	8374	2.683 ug/L	96
40) 1,2-Dichloropropane	6.22	63	3918	2.429 ug/L #	85
41) Bromodichloromethane	6.56	83	5332	2.269 ug/L	90
42) cis-1,3-Dichloropropene	7.07	75	6740	2.503 ug/L	95
43) 4-Methyl-2-pentanone	7.28	43	7507	5.652 ug/L #	90

Data File : VV009308.D
Acq On : 20 Feb 2019 19:26
Operator : SY/MD
Sample : VSTD2.569
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.569

Quant Time: Feb 21 03:31:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 21 03:29:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	17916	2.348	ug/L	97
45) trans-1,3-Dichloropropene	7.70	75	5702	2.333	ug/L	89
46) 1,1,2-Trichloroethane	7.89	97	3569	2.697	ug/L	91
47) Tetrachloroethene	8.02	164	3511	2.370	ug/L	98
49) 2-Hexanone	8.19	43	5253	4.921	ug/L #	88
50) Dibromochloromethane	8.30	129	3939	2.305	ug/L	97
51) 1,2-Dibromoethane	8.40	107	3434	2.508	ug/L #	99
52) Chlorobenzene	8.93	112	11187	2.247	ug/L	96
53) Ethylbenzene	9.06	91	19962	2.289	ug/L	97
54) m,p-Xylene	9.18	106	7954	2.384	ug/L	89
55) o-xylene	9.59	106	6652	2.050	ug/L	96
56) Styrene	9.61	104	11674	2.087	ug/L	99
57) Isopropylbenzene	9.98	105	20405	2.317	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	4978	2.666	ug/L	96
59) 1,2,3-Trichloropropane	11.30	75	10287	7.595	ug/L	94
62) Bromoform	9.77	173	2611	2.485	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	9053	2.445	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	8837	2.365	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	8495	2.426	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1077	3.243	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	6296	2.297	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	5001	2.239	ug/L	93
69) Naphthalene	13.55	128	9333	2.140	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	4581	2.276	ug/L	97

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

Data File : VV009308.D

Acq On : 20 Feb 2019 19:26

Operator : SY/MD

Sample : VSTD2.569

Misc : 5.00G/10ML/MSVOA V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.569

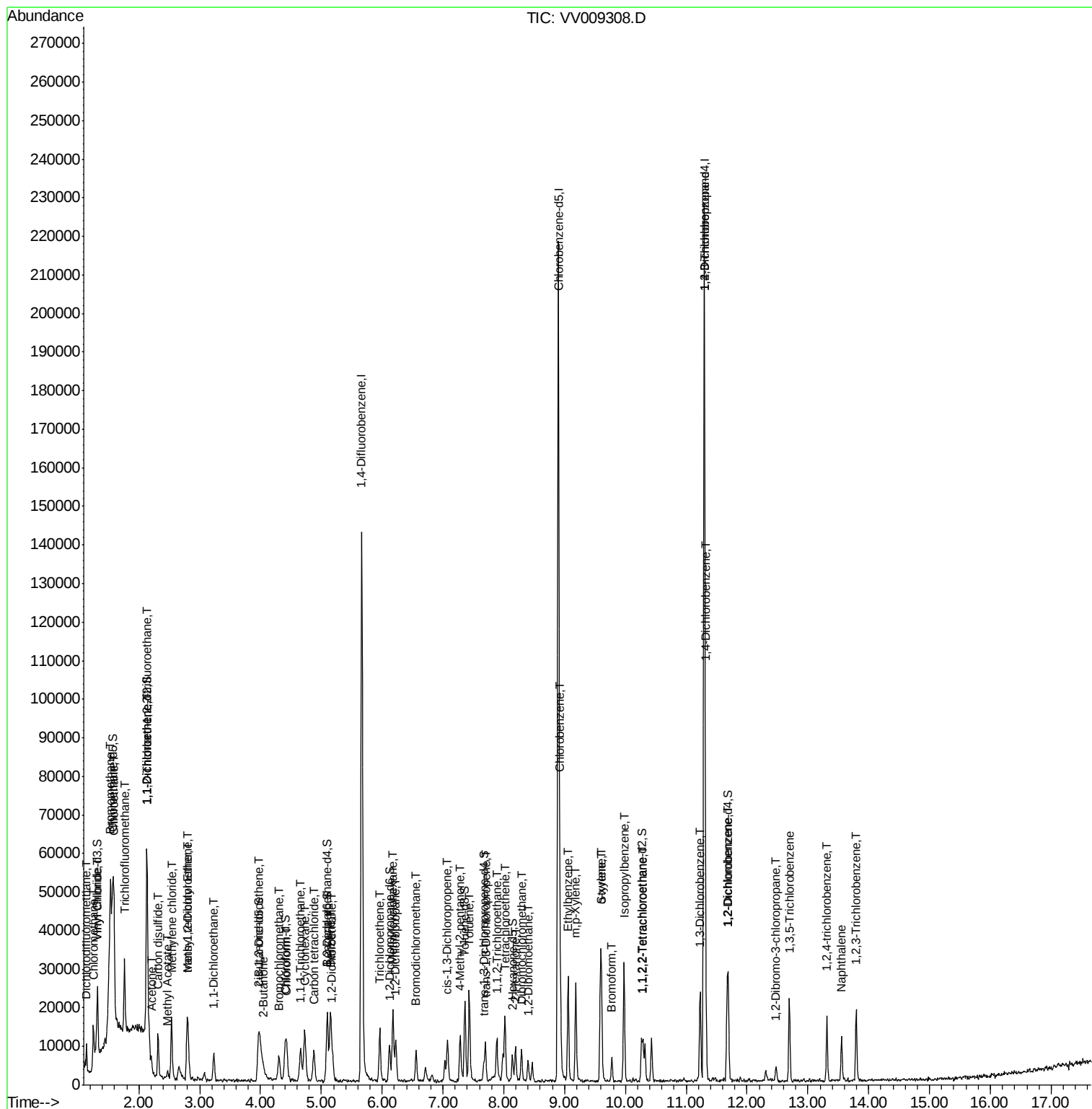
Quant Time: Feb 21 03:31:52 2019

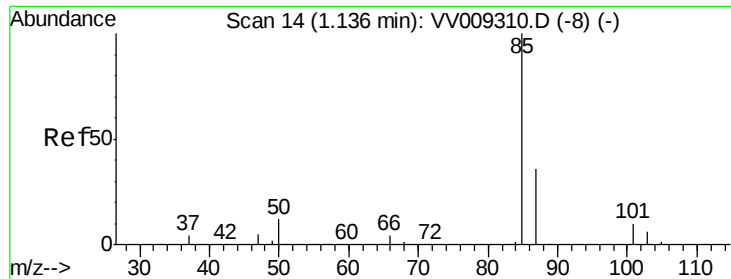
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM022019S.M

Quant Title : VOC Analysis

QLast Update : Thu Feb 21 03:29:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.947 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

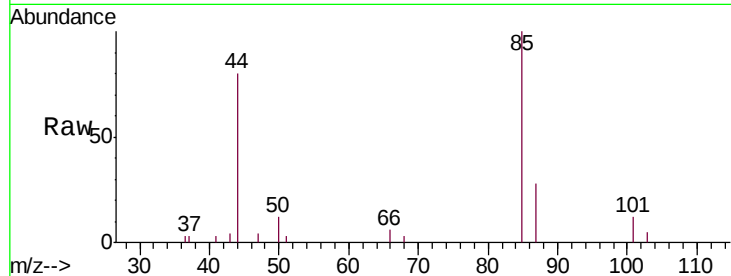
VSTD2.569

Tgt Ion: 85 Resp: 3937

Ion Ratio Lower Upper

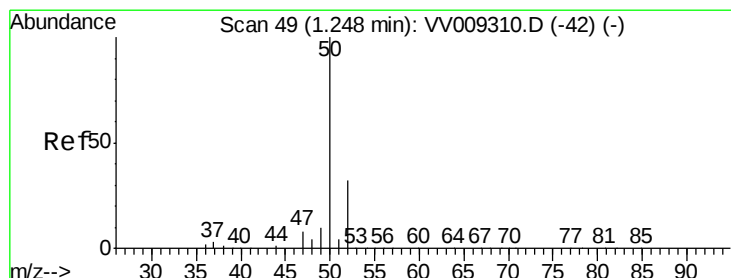
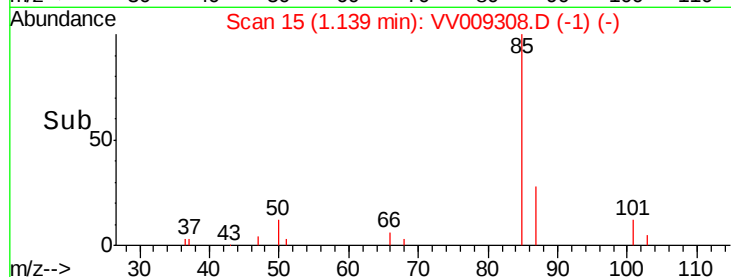
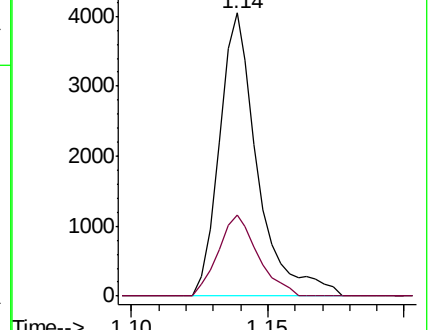
85 100

87 29.8 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009310.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009310.D (-8) (-)



#3

Chloromethane

Concen: 2.166 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009308.D

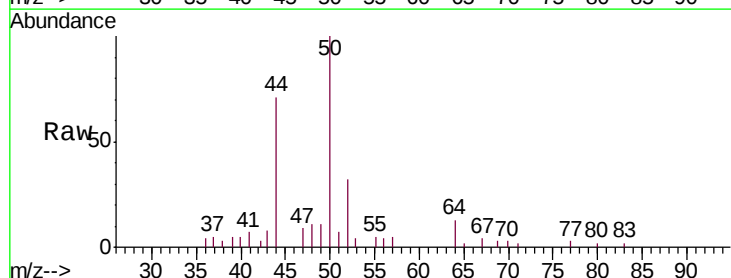
Acq: 20 Feb 2019 19:26

Tgt Ion: 50 Resp: 4755

Ion Ratio Lower Upper

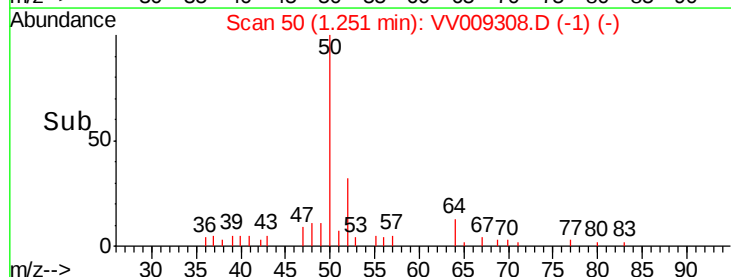
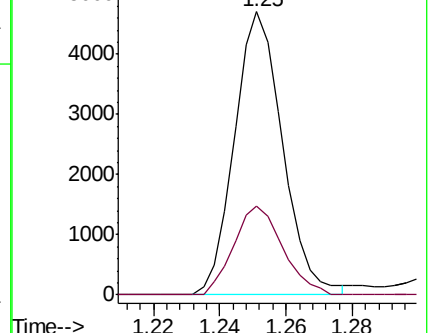
50 100

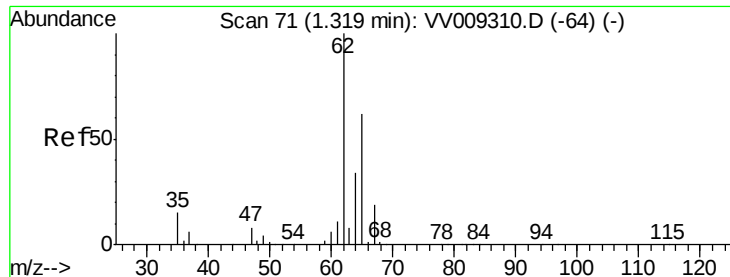
52 31.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009310.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009310.D (-42) (-)





#5

Vinyl chloride

Concen: 1.940 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

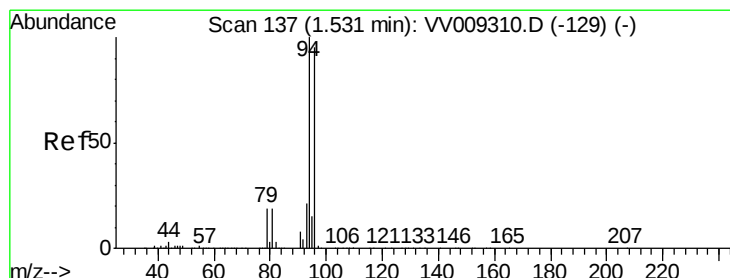
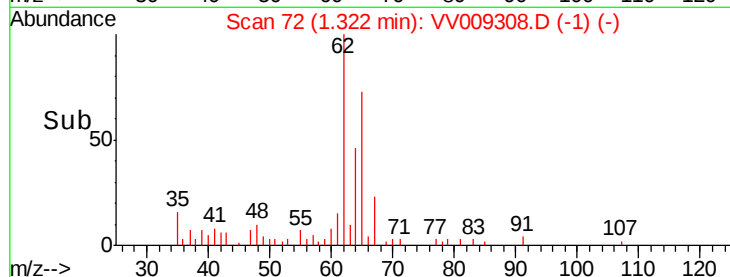
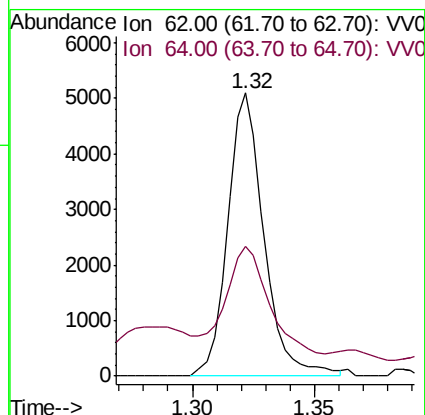
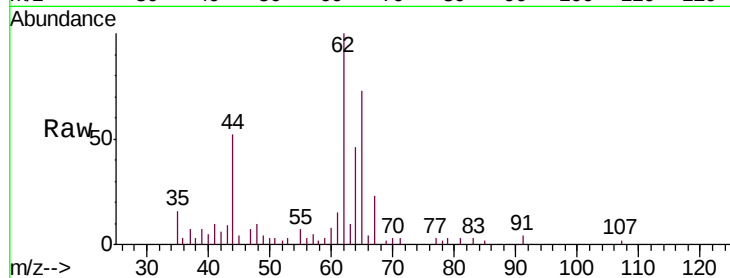
VSTD2.569

Tgt Ion: 62 Resp: 5273

Ion Ratio Lower Upper

62 100

64 46.1 24.3 45.1#



#6

Bromomethane

Concen: 1.528 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV009308.D

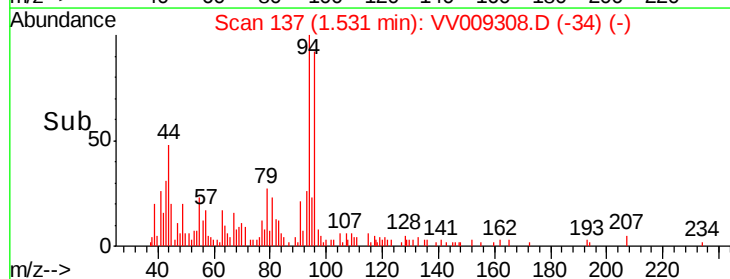
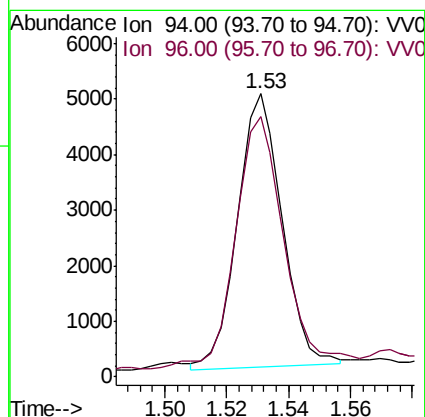
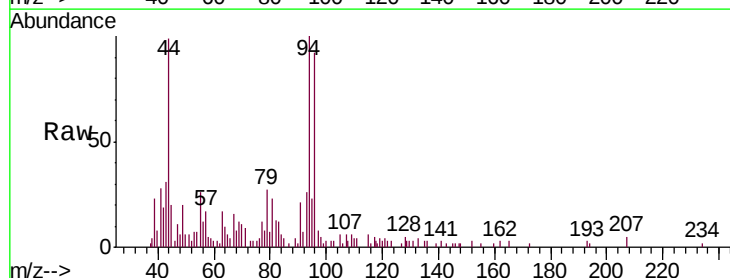
Acq: 20 Feb 2019 19:26

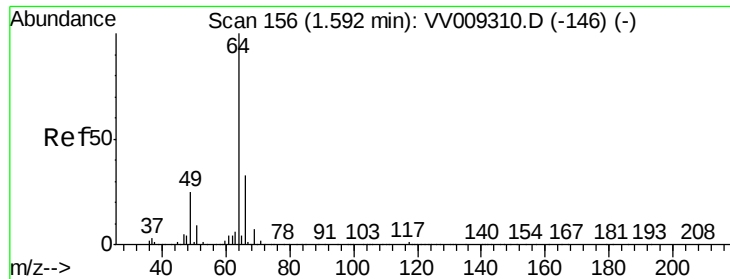
Tgt Ion: 94 Resp: 4951

Ion Ratio Lower Upper

94 100

96 102.0 9.4 178.6





#8

Chloroethane

Concen: 1.170 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

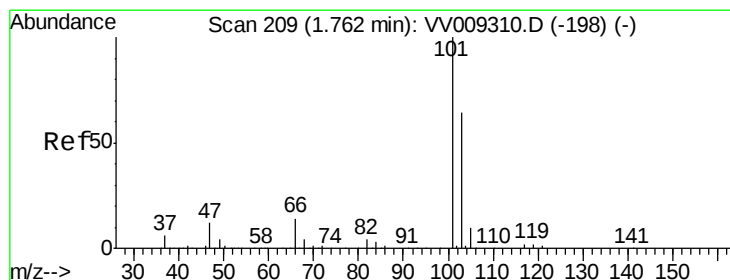
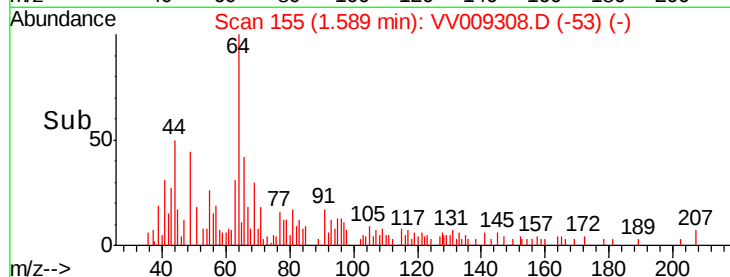
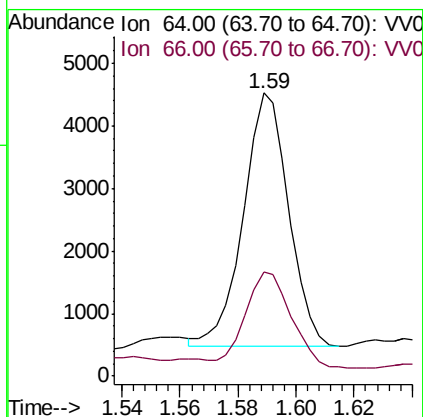
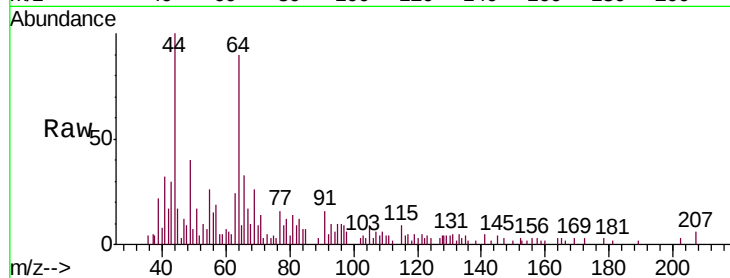
VSTD2.569

Tgt Ion: 64 Resp: 4394

Ion Ratio Lower Upper

64 100

66 36.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 1.777 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009308.D

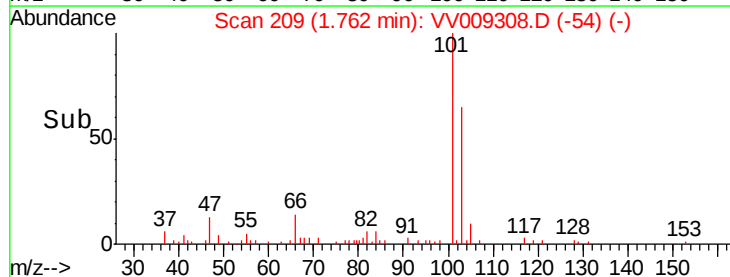
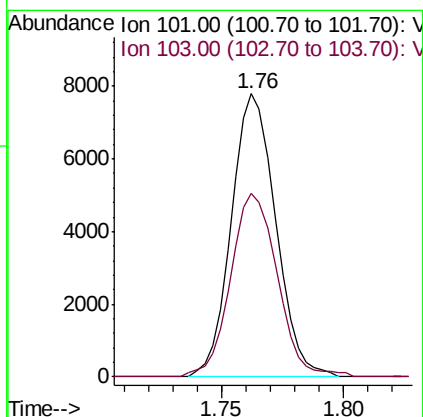
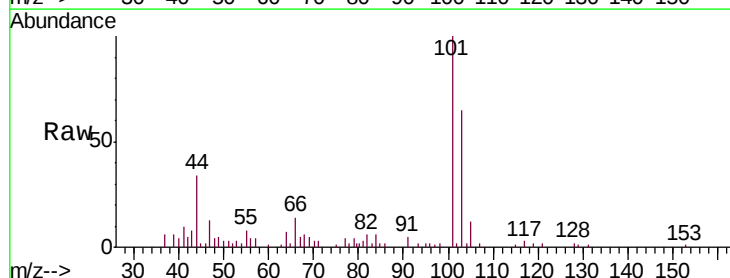
Acq: 20 Feb 2019 19:26

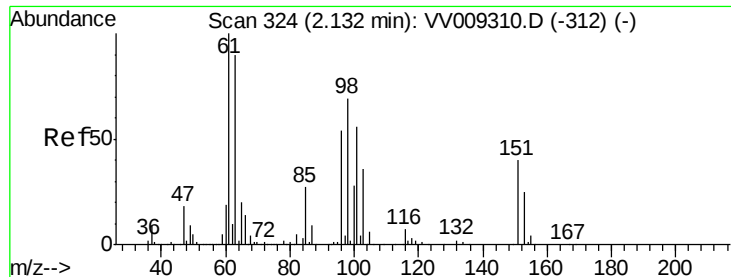
Tgt Ion: 101 Resp: 9846

Ion Ratio Lower Upper

101 100

103 68.4 45.4 84.4





#11

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

Concen: 1.883 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

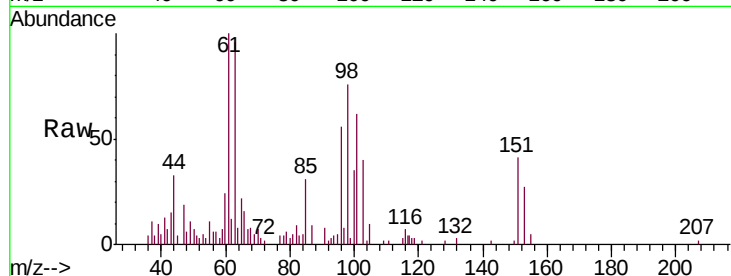
Tgt Ion: 101 Resp: 5832

Ion Ratio Lower Upper

101 100

85 53.4 39.1 58.7

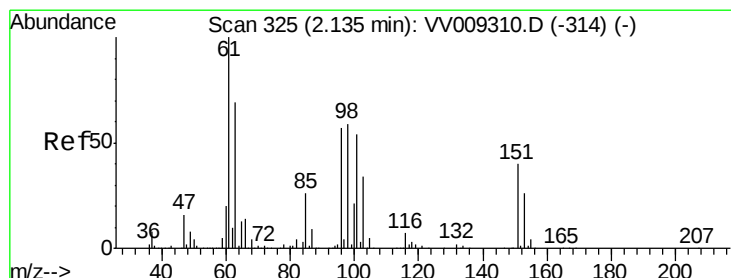
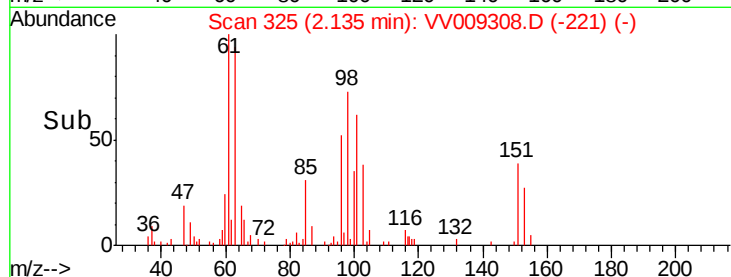
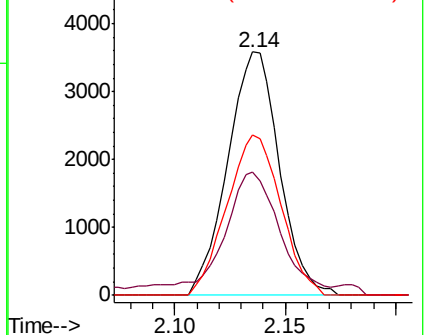
151 68.7 58.5 87.7



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



#12

1,1-Dichloroethene

Concen: 1.722 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

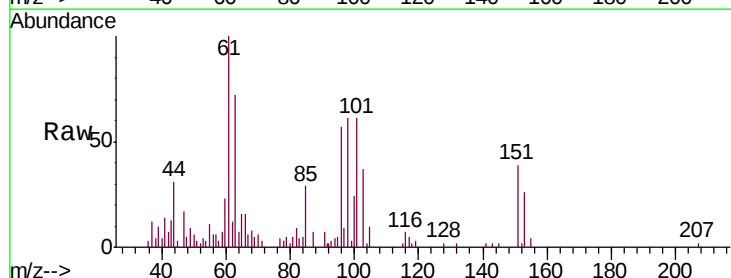
Tgt Ion: 96 Resp: 4664

Ion Ratio Lower Upper

96 100

61 174.2 123.3 228.9

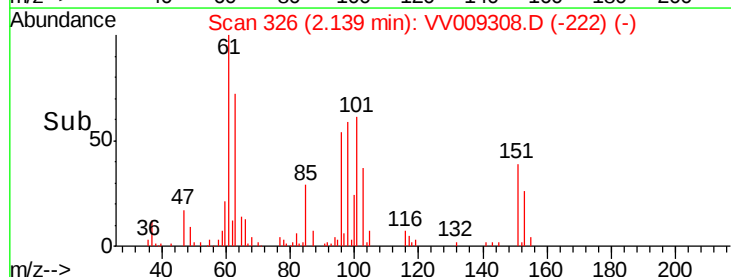
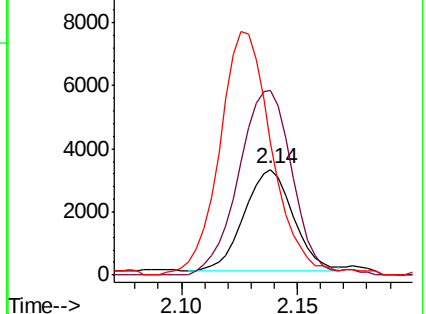
63 125.4 88.4 164.2

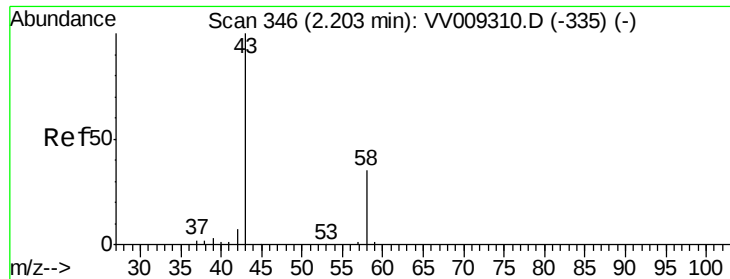


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.153 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampled :

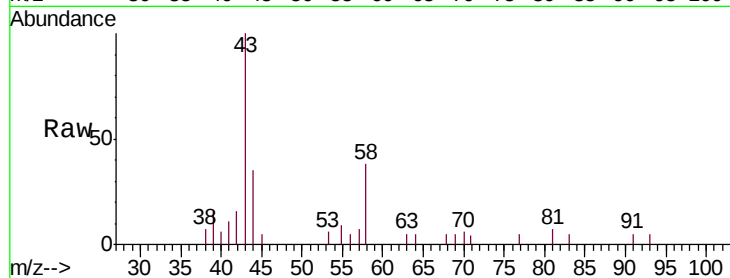
VSTD2.569

Tgt Ion: 43 Resp: 3655

Ion Ratio Lower Upper

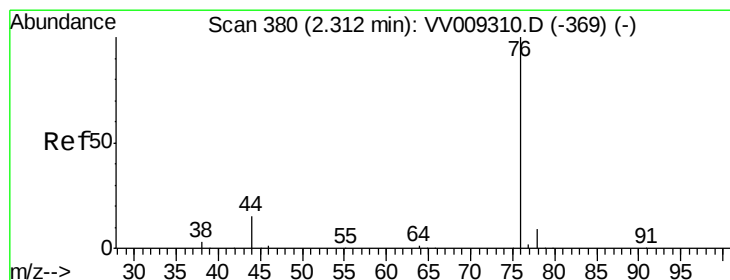
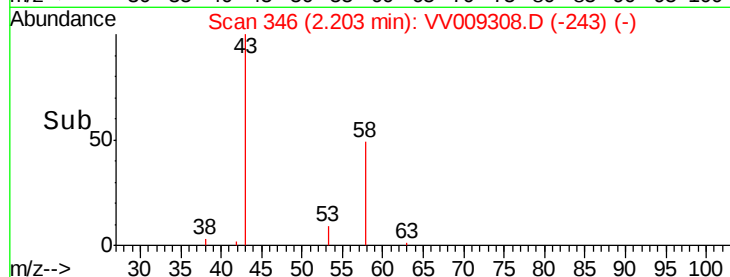
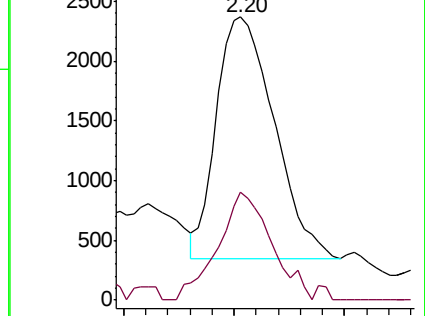
43 100

58 39.4 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009310.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009310.D (-335) (-)



#14

Carbon disulfide

Concen: 2.680 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009308.D

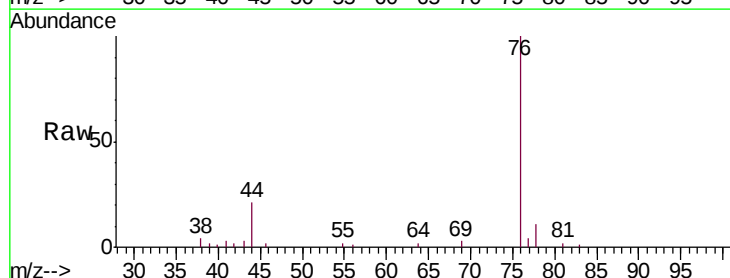
Acq: 20 Feb 2019 19:26

Tgt Ion: 76 Resp: 12693

Ion Ratio Lower Upper

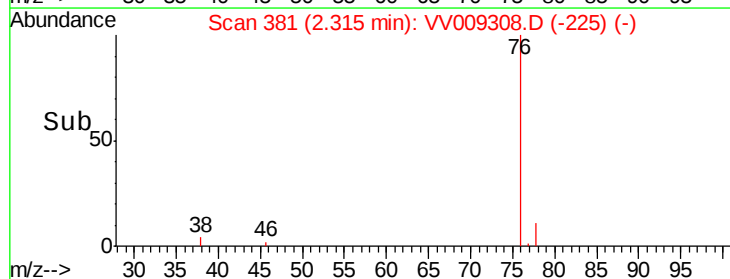
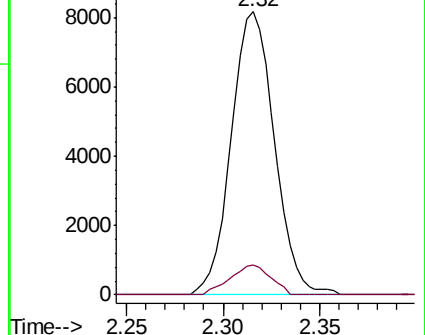
76 100

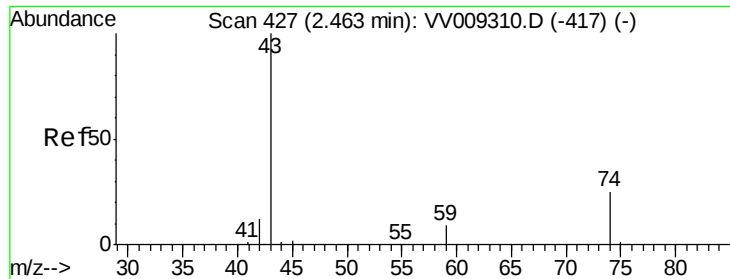
78 10.7 6.9 10.3#



Abundance Ion 76.00 (75.70 to 76.70): VV009310.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009310.D (-369) (-)

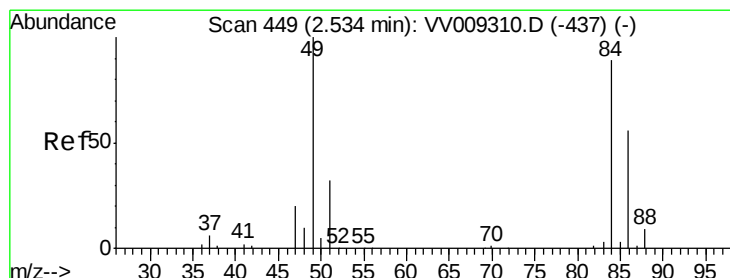
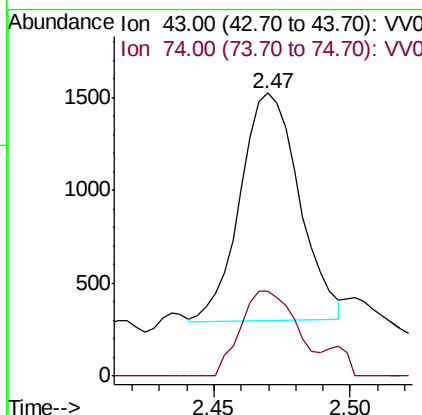
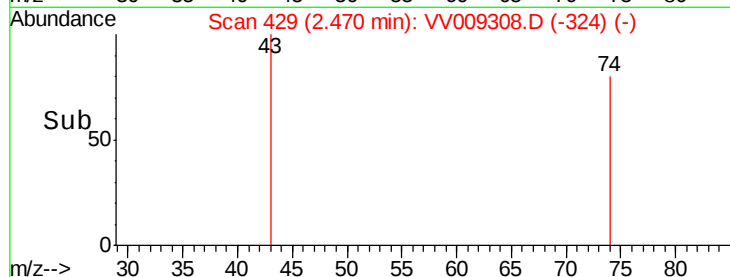
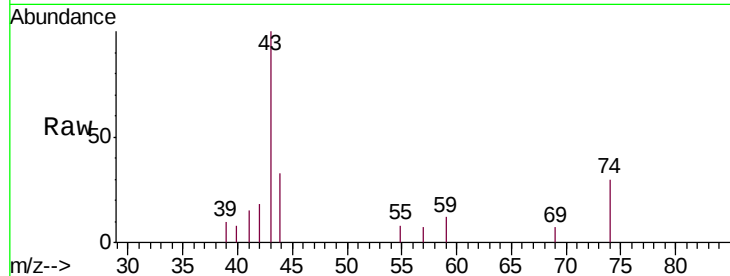




#15
Methyl Acetate
Concen: 2.316 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV009308.D
Acq: 20 Feb 2019 19:26

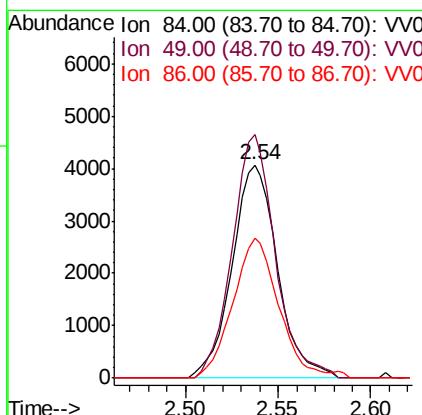
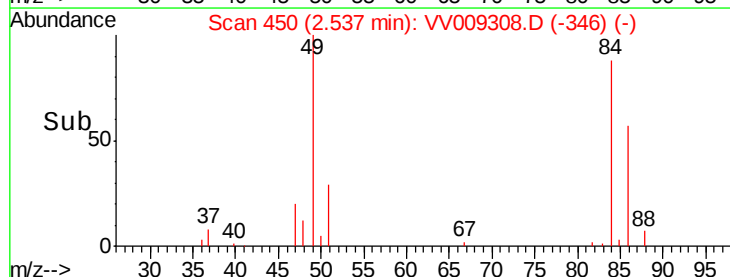
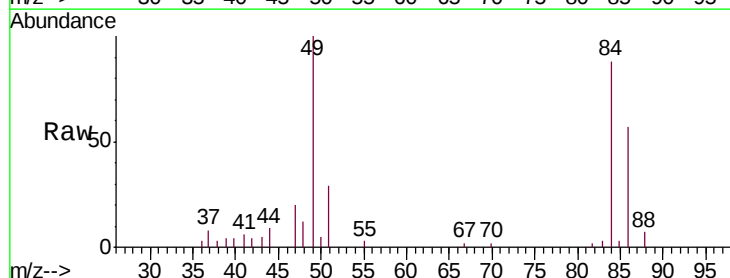
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.569

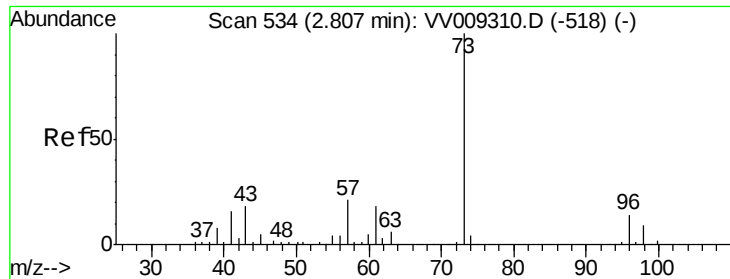
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
74 35.7 21.8 32.6#



#16
Methylene chloride
Concen: 4.064 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009308.D
Acq: 20 Feb 2019 19:26

Tgt Ion: 84 Resp: 6931
Ion Ratio Lower Upper
84 100
49 114.2 78.7 146.1
86 65.6 44.0 81.6





#17

Methyl tert-butyl Ether

Concen: 2.525 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

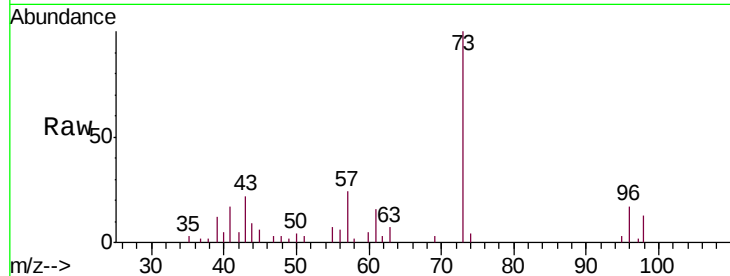
Tgt Ion: 73 Resp: 10372

Ion Ratio Lower Upper

73 100

43 20.9 14.0 21.0

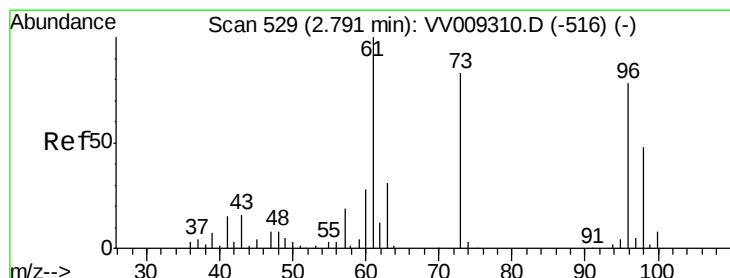
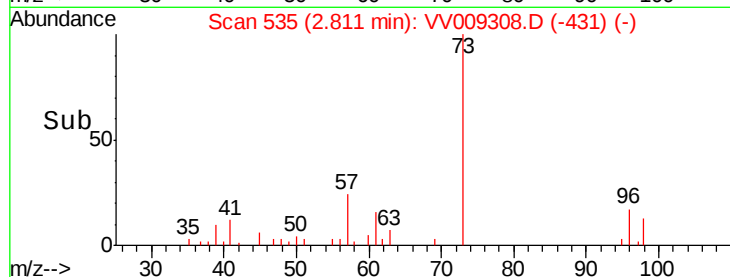
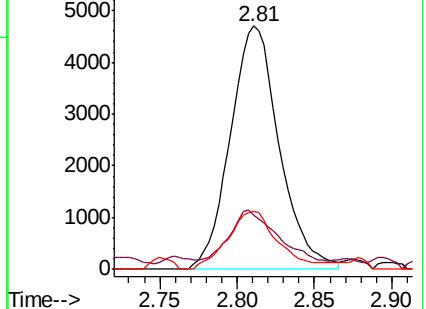
57 24.2 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VV009310.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009310.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009310.D (-518) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.689 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

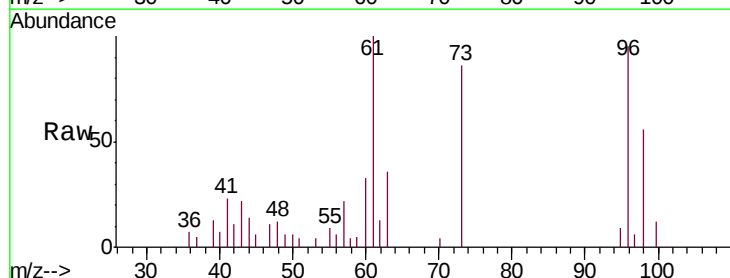
Tgt Ion: 96 Resp: 4402

Ion Ratio Lower Upper

96 100

61 105.3 88.8 165.0

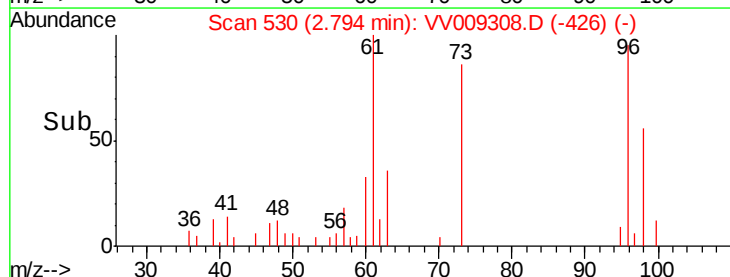
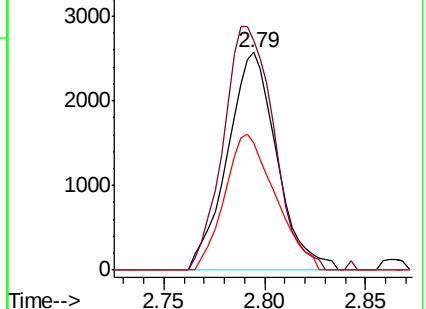
98 58.5 43.0 79.8

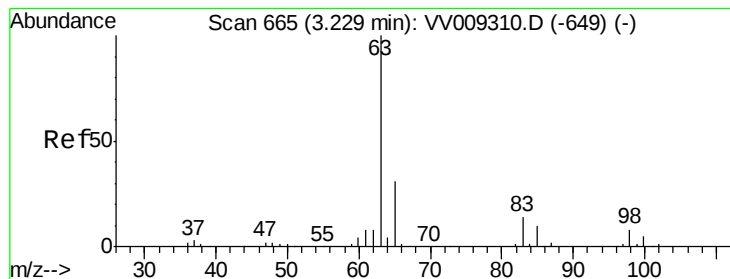


Abundance Ion 96.00 (95.70 to 96.70): VV009310.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009310.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009310.D (-516) (-)





#19

1,1-Dichloroethane

Concen: 2.293 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

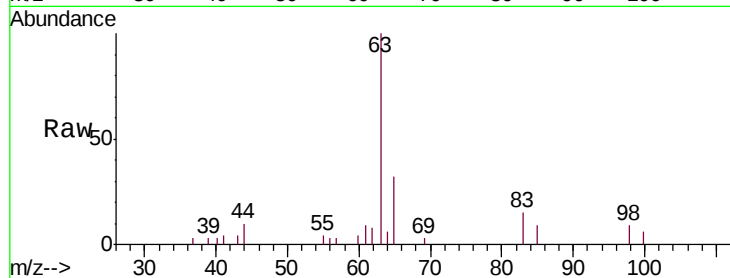
Tgt Ion: 63 Resp: 6925

Ion Ratio Lower Upper

63 100

65 32.2 21.6 40.2

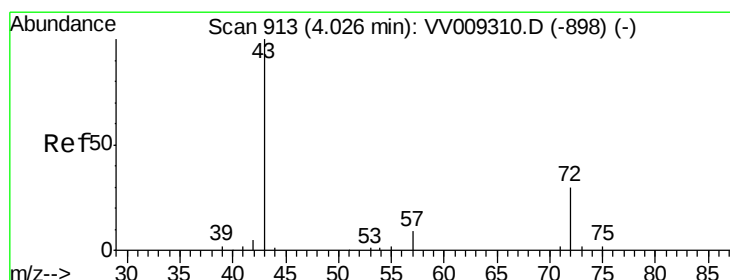
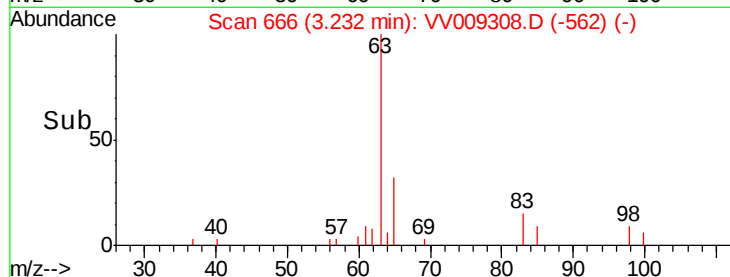
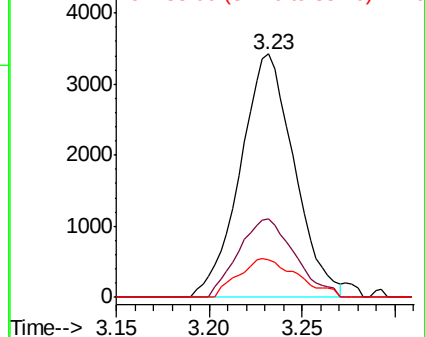
83 15.3 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV009310.D (-649) (-)

Ion 65.00 (64.70 to 65.70): VV009310.D (-649) (-)

Ion 83.00 (82.70 to 83.70): VV009310.D (-649) (-)



#21

2-Butanone

Concen: 3.782 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.02 min

Lab File: VV009308.D

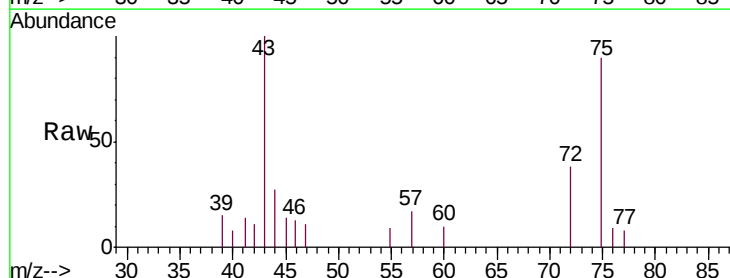
Acq: 20 Feb 2019 19:26

Tgt Ion: 43 Resp: 2789

Ion Ratio Lower Upper

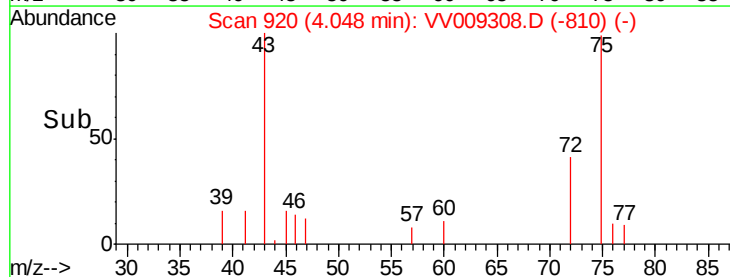
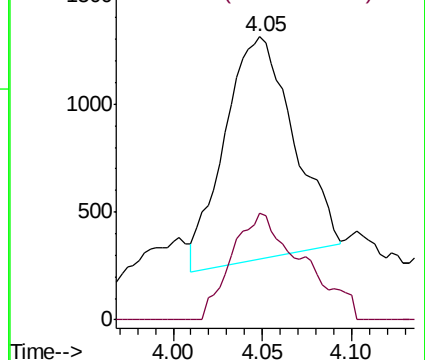
43 100

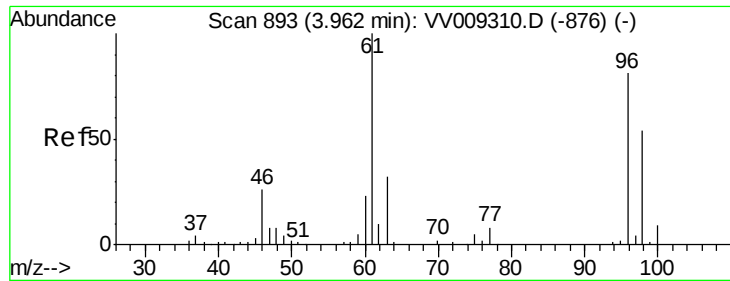
72 38.3 15.4 46.2



Abundance Ion 43.00 (42.70 to 43.70): VV009310.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV009310.D (-898) (-)



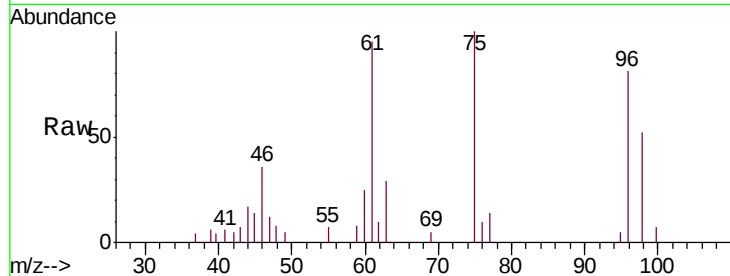


#22

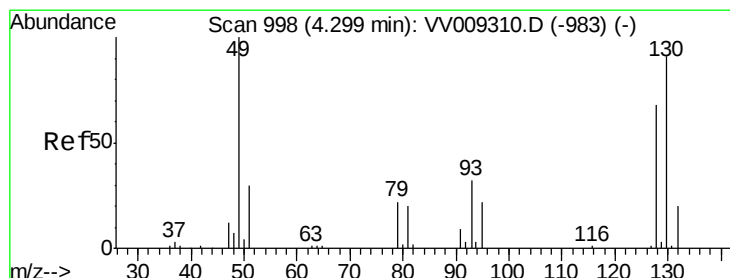
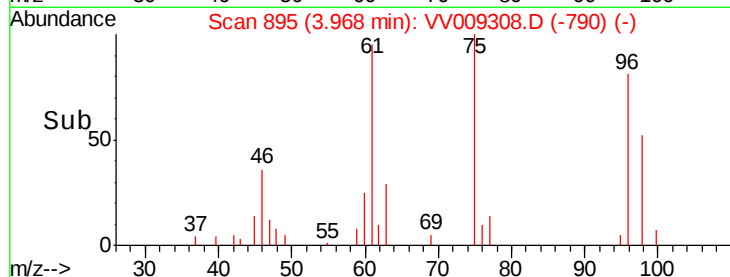
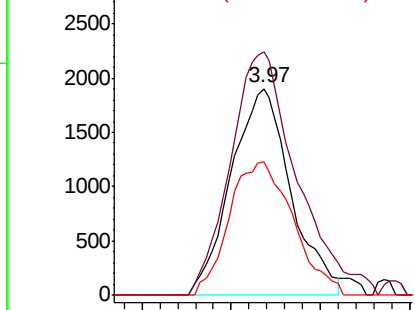
cis-1,2-Dichloroethene
 Concen: 2.349 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Tgt Ion: 96 Resp: 4441
 Ion Ratio Lower Upper
 96 100
 61 117.9 86.2 160.0
 98 64.9 46.8 87.0



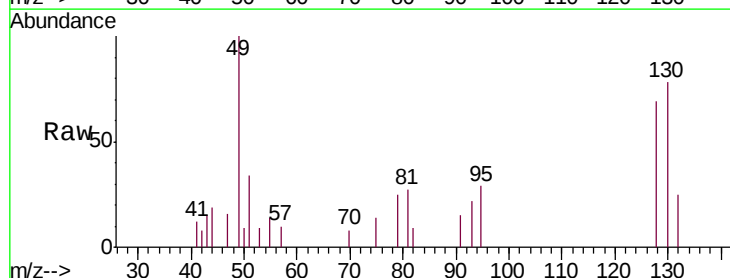
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



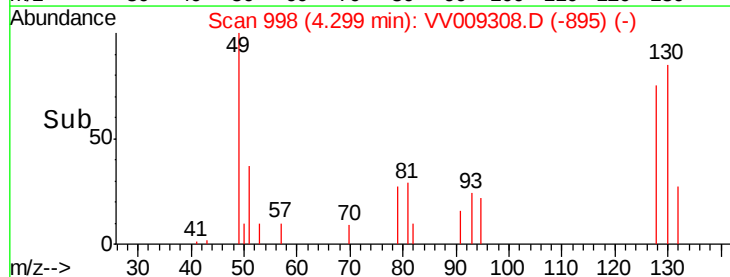
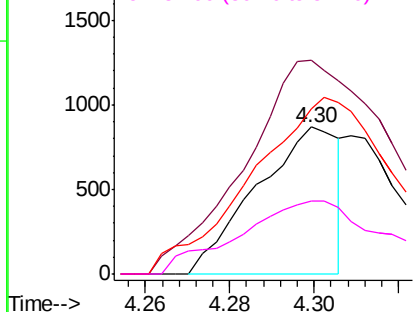
#23

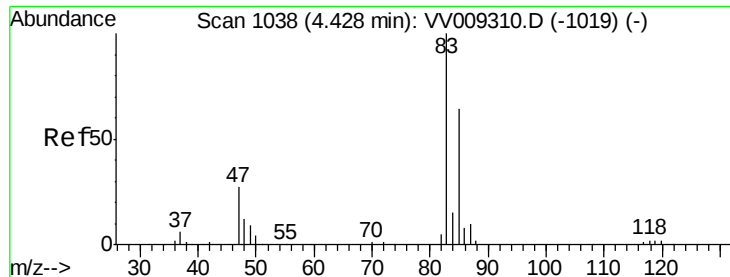
Bromochloromethane
 Concen: 1.409 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion: 128 Resp: 1176
 Ion Ratio Lower Upper
 128 100
 49 145.7 103.0 191.4
 130 112.9 93.3 173.3
 51 49.7 36.5 54.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

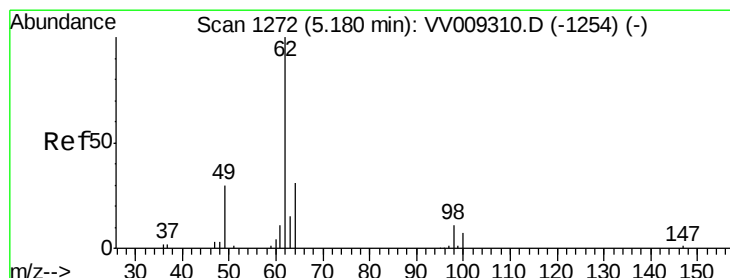
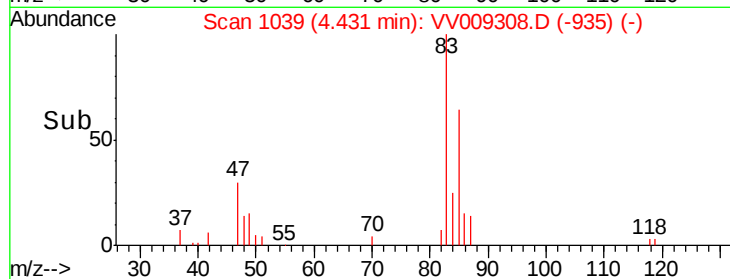
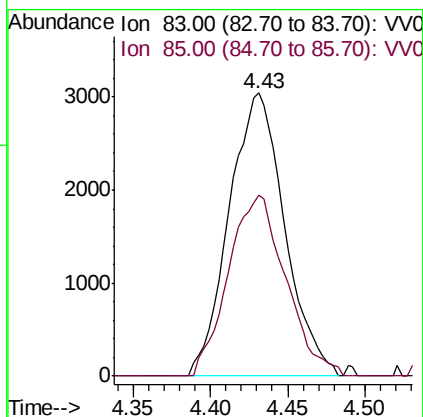
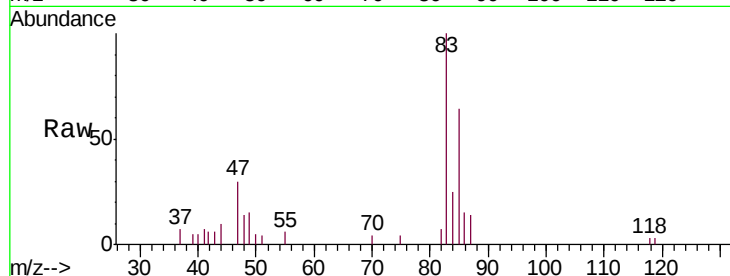




#25
Chloroform
Concen: 2.365 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009308.D
Acq: 20 Feb 2019 19:26

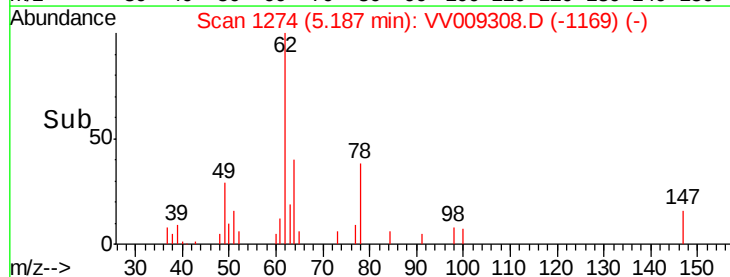
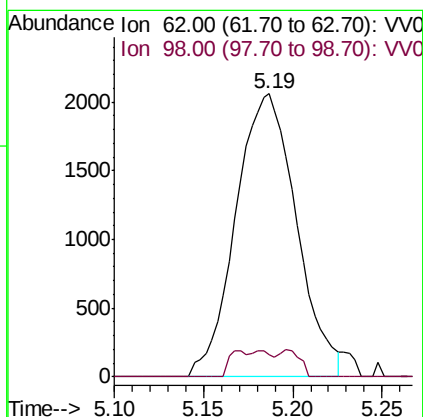
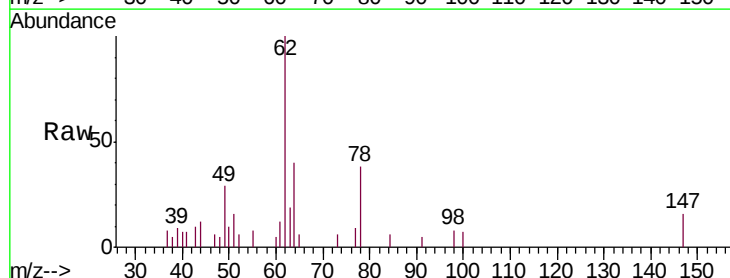
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.569

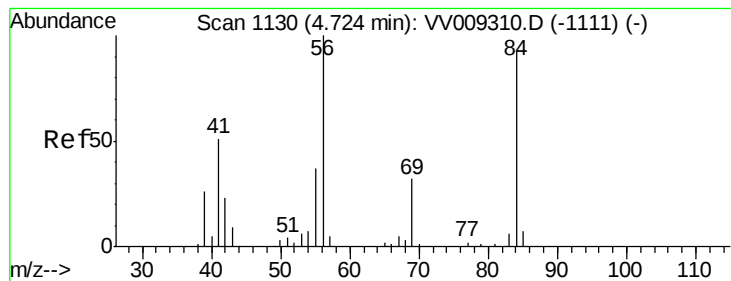
Tgt Ion: 83 Resp: 7602
Ion Ratio Lower Upper
83 100
85 65.8 47.5 88.3



#27
1,2-Dichloroethane
Concen: 2.025 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV009308.D
Acq: 20 Feb 2019 19:26

Tgt Ion: 62 Resp: 4886
Ion Ratio Lower Upper
62 100
98 8.0 8.5 12.7#





#30

Cyclohexane

Concen: 2.568 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

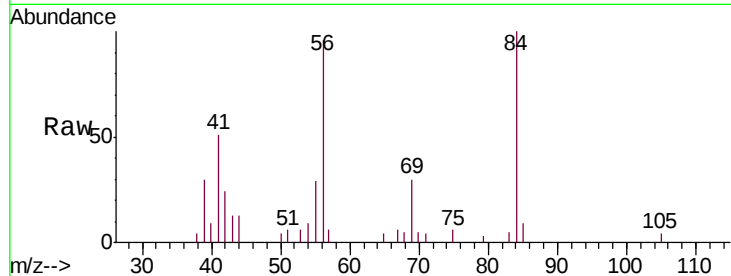
Tgt Ion: 56 Resp: 7423

Ion Ratio Lower Upper

56 100

69 14.5 25.7 38.5#

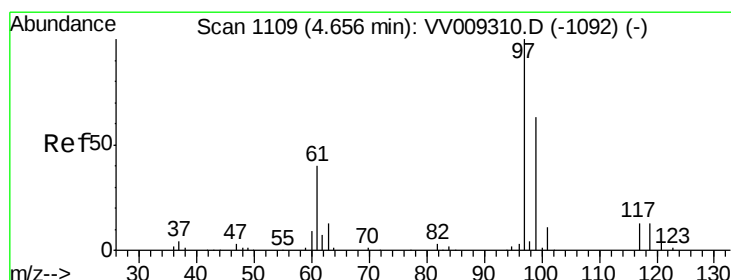
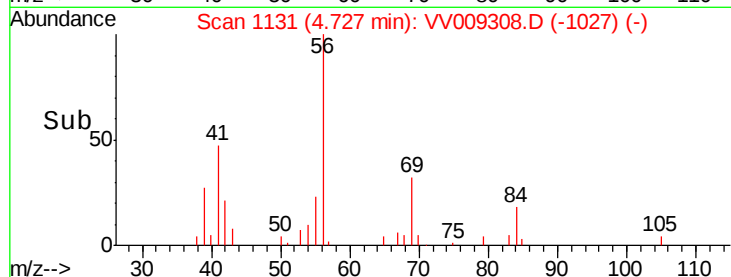
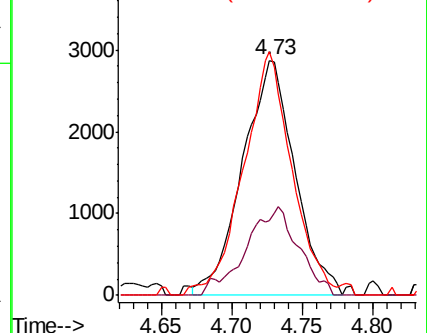
84 96.0 77.2 115.8



Abundance Ion 56.00 (55.70 to 56.70): VV009310.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009310.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009310.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 2.319 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

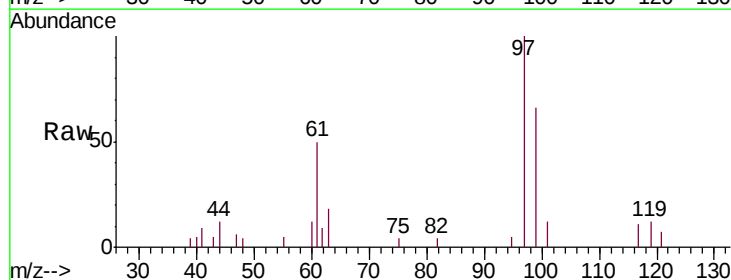
Tgt Ion: 97 Resp: 6660

Ion Ratio Lower Upper

97 100

99 65.6 51.7 77.5

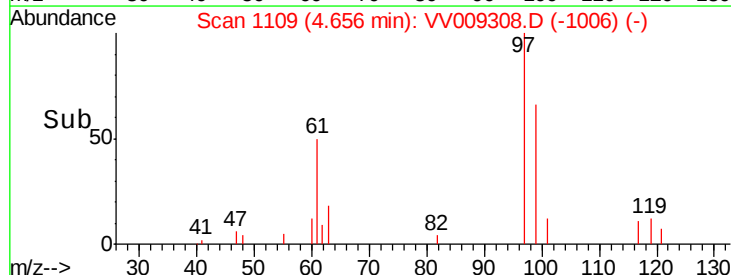
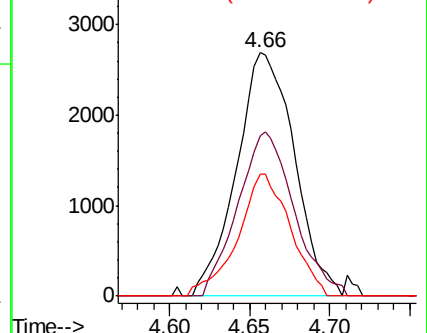
61 45.5 34.0 51.0

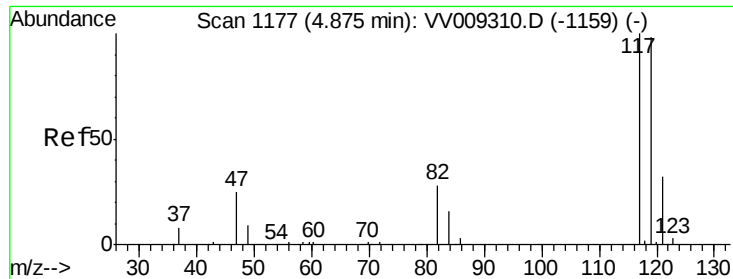


Abundance Ion 97.00 (96.70 to 97.70): VV009310.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009310.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009310.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 2.273 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

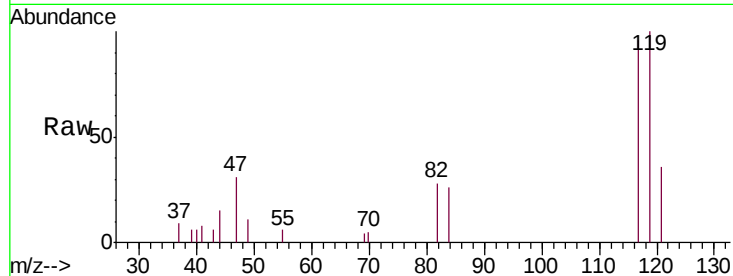
VSTD2.569

Tgt Ion:117 Resp: 5592

Ion Ratio Lower Upper

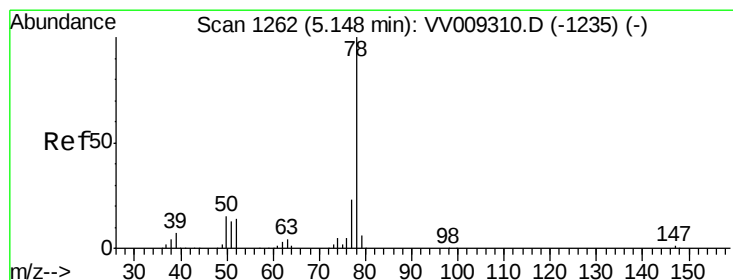
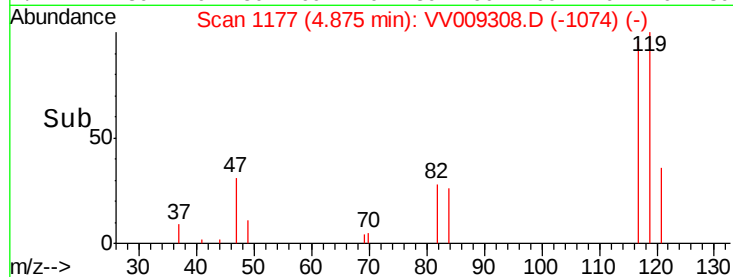
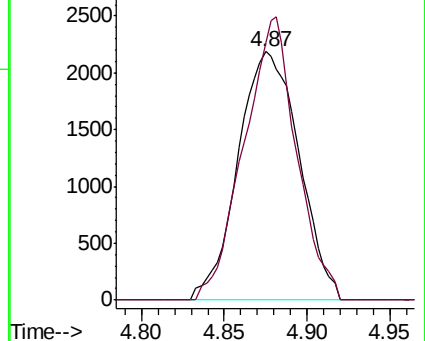
117 100

119 98.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.389 ug/L

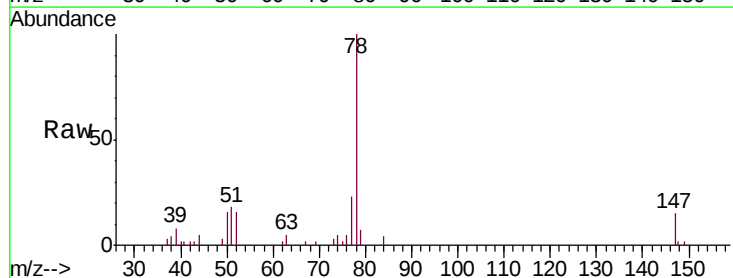
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

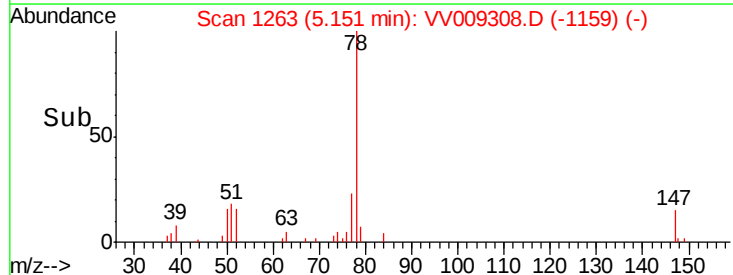
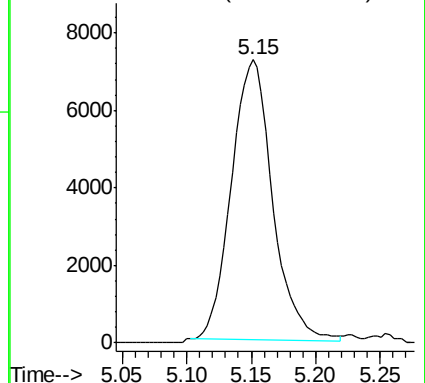
Lab File: VV009308.D

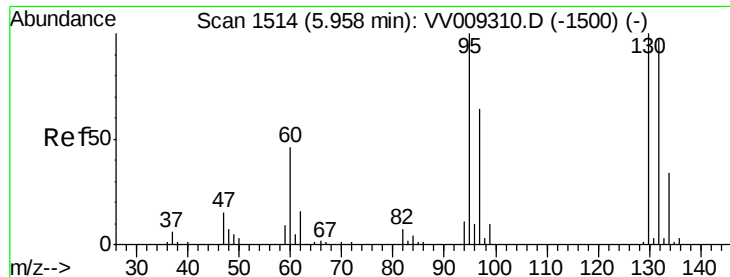
Acq: 20 Feb 2019 19:26

Tgt Ion: 78 Resp: 16082



Abundance Ion 78.00 (77.70 to 78.70): VV0

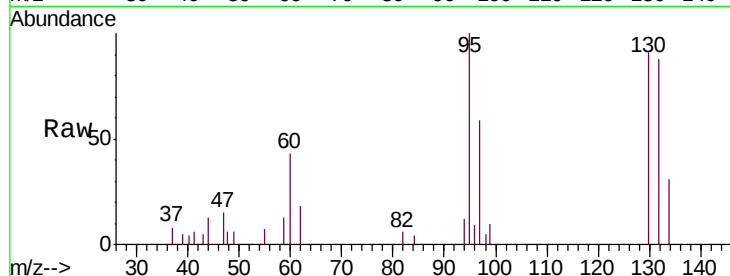




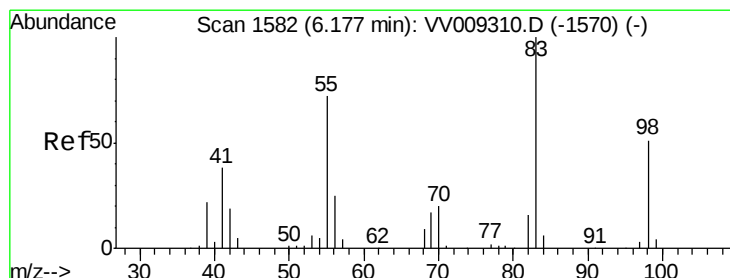
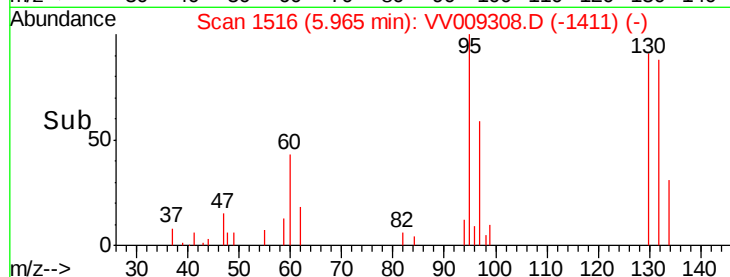
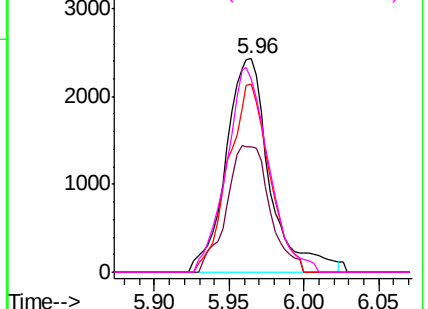
#35
 Trichloroethene
 Concen: 2.777 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Tgt Ion: 95 Resp: 4940
 Ion Ratio Lower Upper
 95 100
 97 35.2 45.0 83.6#
 132 82.8 68.7 127.5
 130 92.4 72.2 134.0

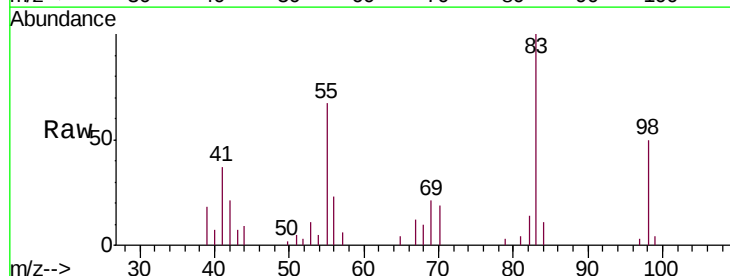


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

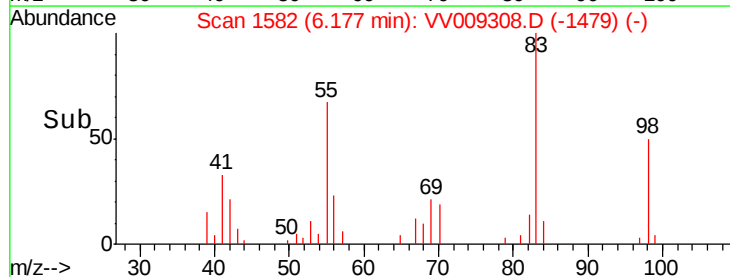
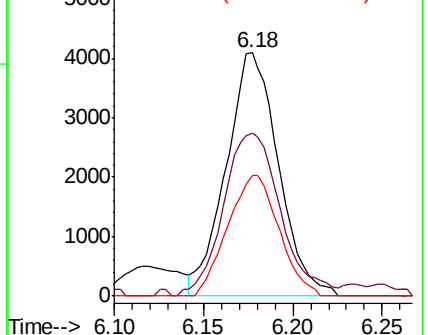


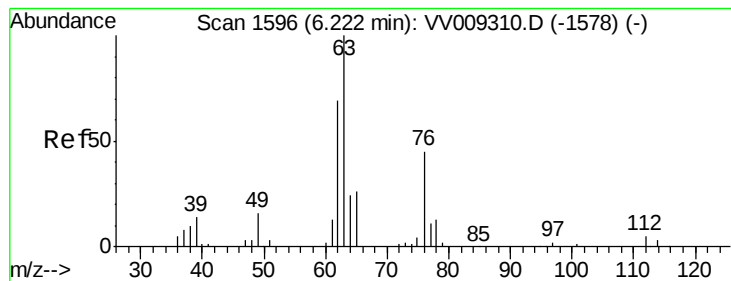
#36
 Methylcyclohexane
 Concen: 2.683 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion: 83 Resp: 8374
 Ion Ratio Lower Upper
 83 100
 55 73.4 55.8 83.6
 98 48.6 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 2.429 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

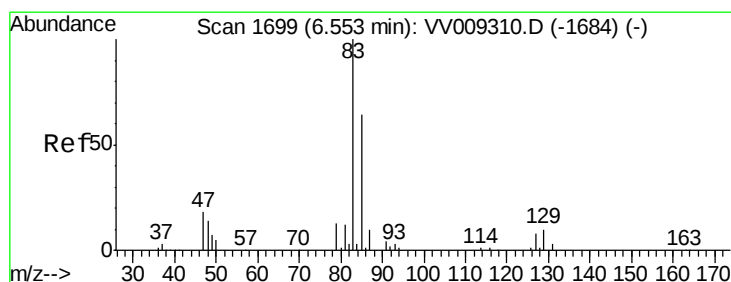
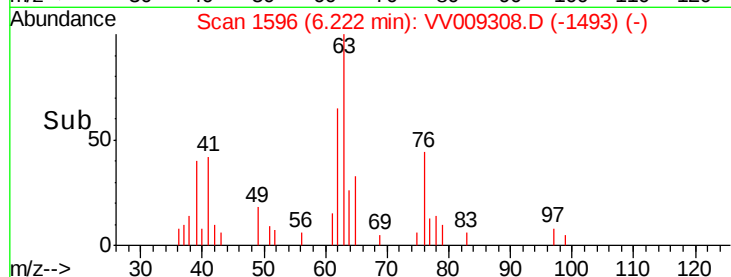
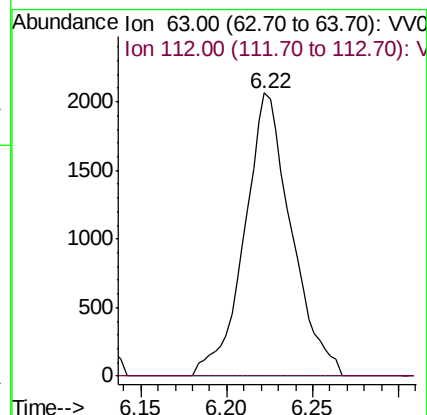
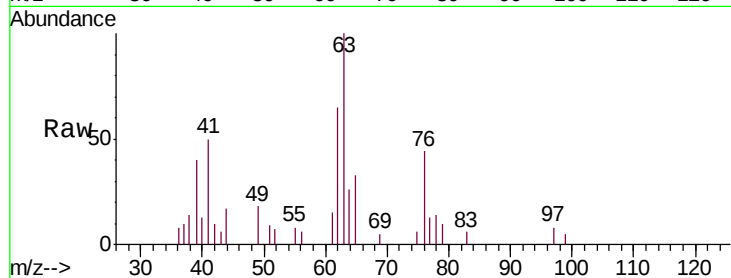
VSTD2.569

Tgt Ion: 63 Resp: 3918

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#41

Bromodichloromethane

Concen: 2.269 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

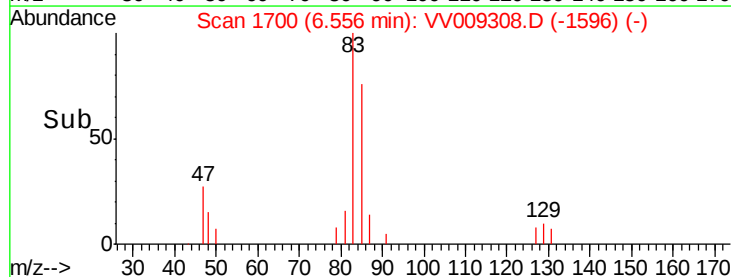
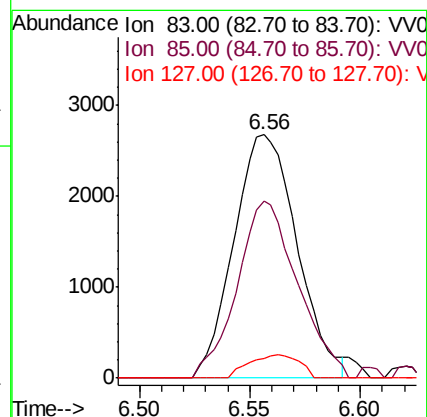
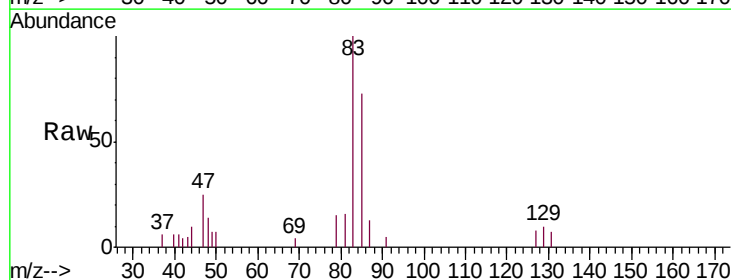
Tgt Ion: 83 Resp: 5332

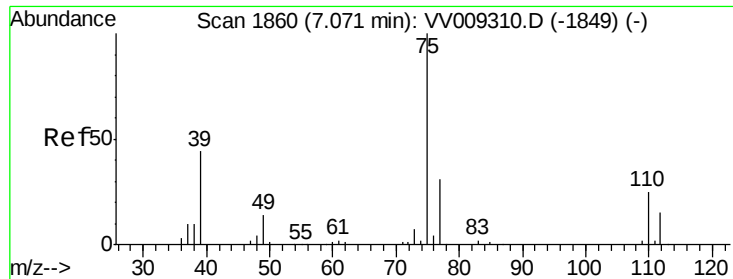
Ion Ratio Lower Upper

83 100

85 72.8 44.9 83.5

127 8.1 6.3 9.5



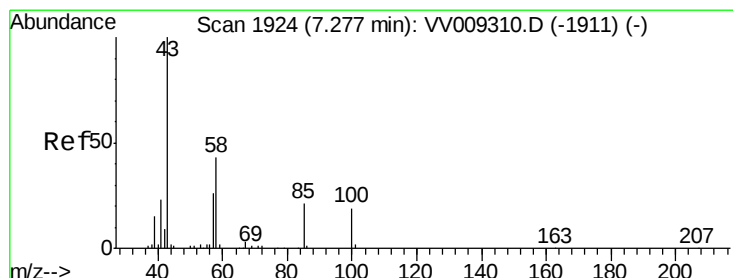
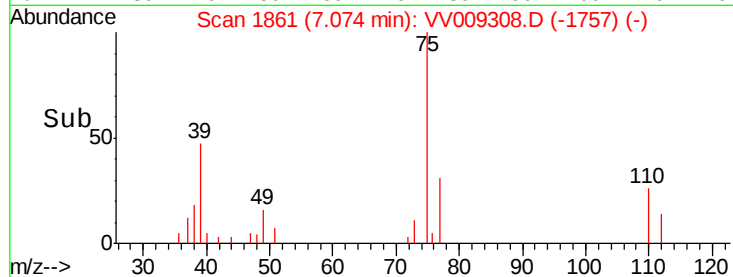
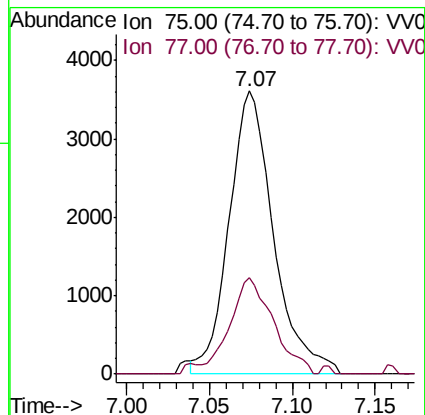
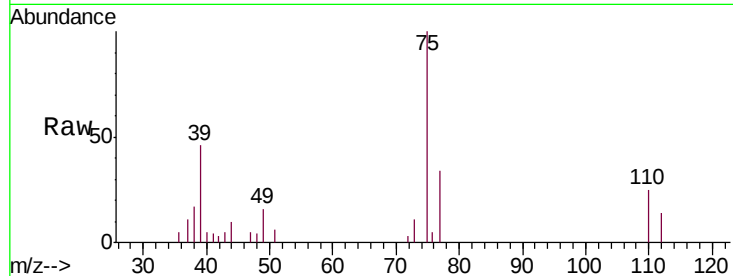


#42

cis-1,3-Dichloropropene
 Concen: 2.503 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

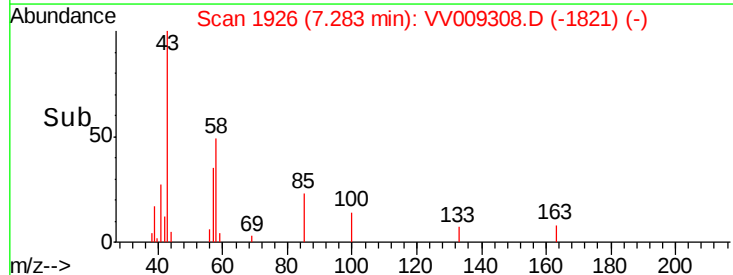
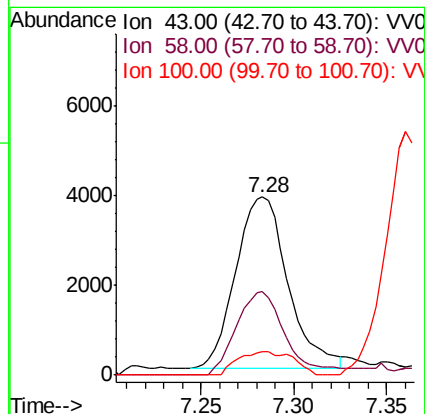
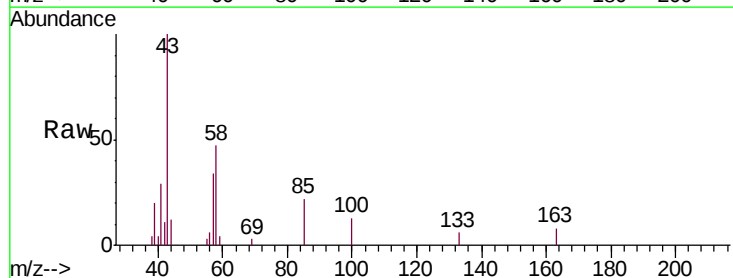
Tgt Ion: 75 Resp: 6740
 Ion Ratio Lower Upper
 75 100
 77 34.0 22.0 40.8

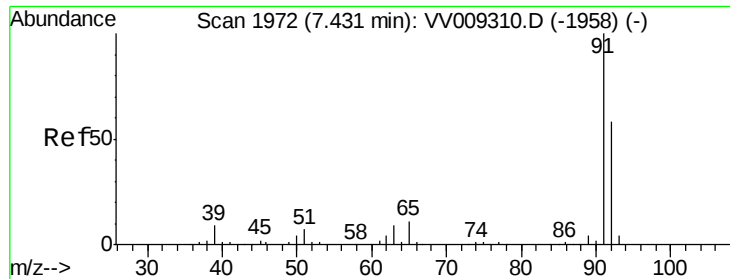


#43

4-Methyl-2-pentanone
 Concen: 5.652 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion: 43 Resp: 7507
 Ion Ratio Lower Upper
 43 100
 58 46.1 34.2 51.4
 100 9.5 15.1 22.7#





#44

Toluene

Concen: 2.348 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

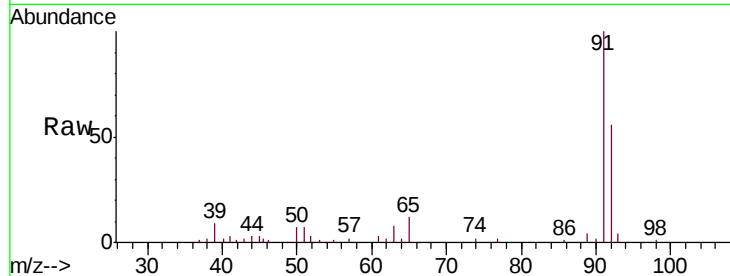
VSTD2.569

Tgt Ion: 91 Resp: 17916

Ion Ratio Lower Upper

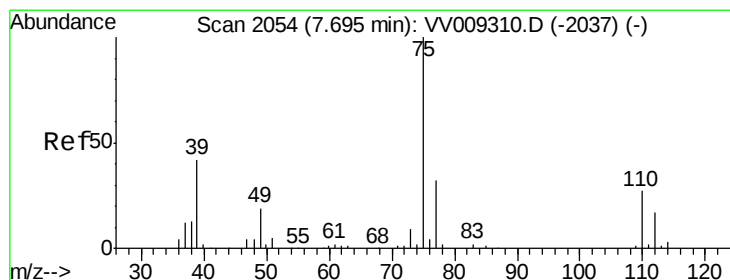
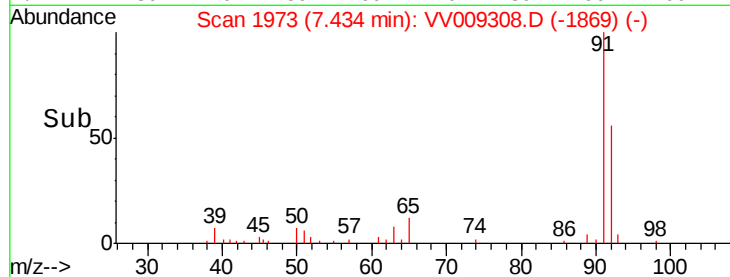
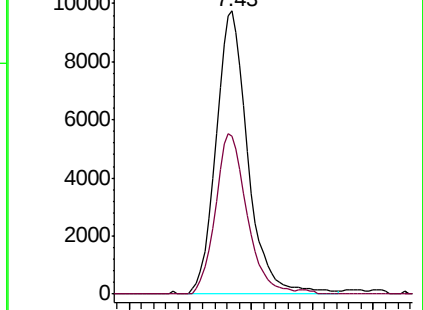
91 100

92 55.6 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV009310.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009310.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 2.333 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009308.D

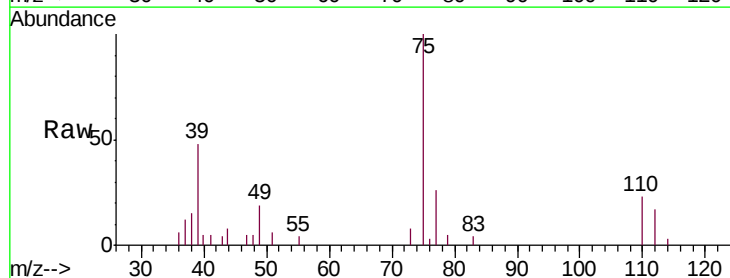
Acq: 20 Feb 2019 19:26

Tgt Ion: 75 Resp: 5702

Ion Ratio Lower Upper

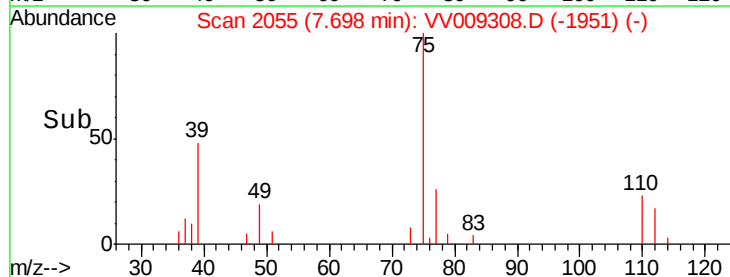
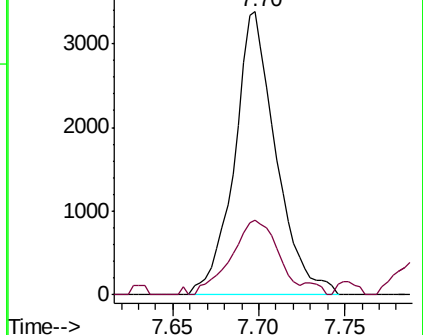
75 100

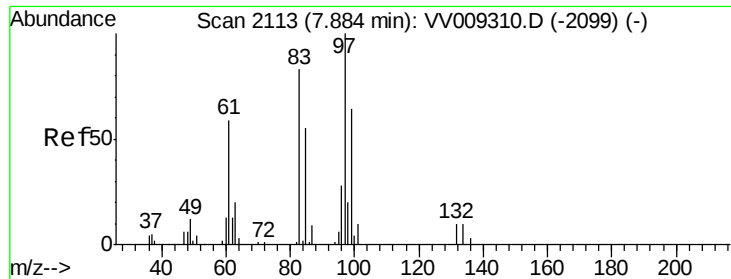
77 26.4 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV009310.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009310.D (-2037) (-)

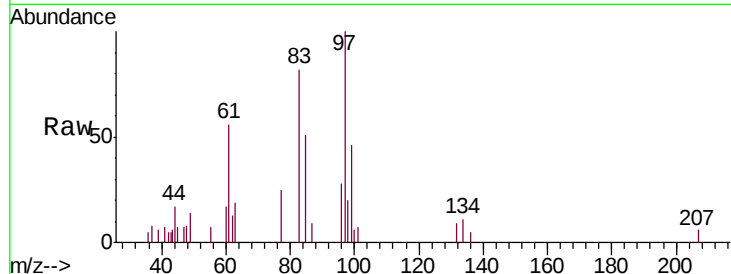




#46
 1,1,2-Trichloroethane
 Concen: 2.697 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

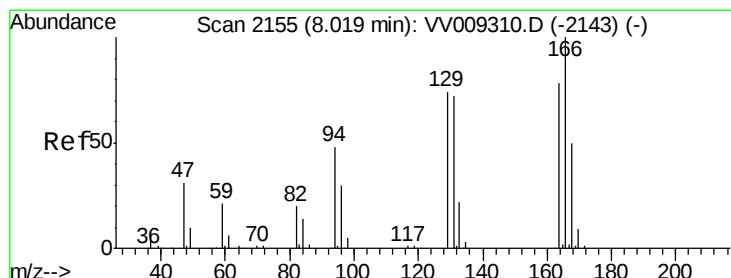
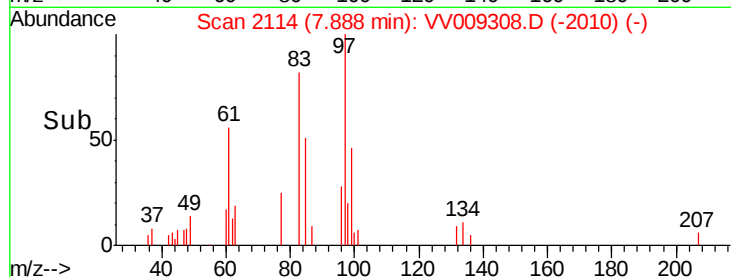
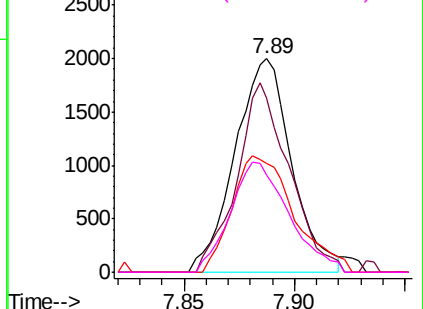
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Tgt Ion:	97	Resp:	3569
Ion	Ratio	Lower	Upper
97	100		
83	81.7	58.1	107.9
85	51.1	38.4	71.2
99	45.5	44.7	83.1



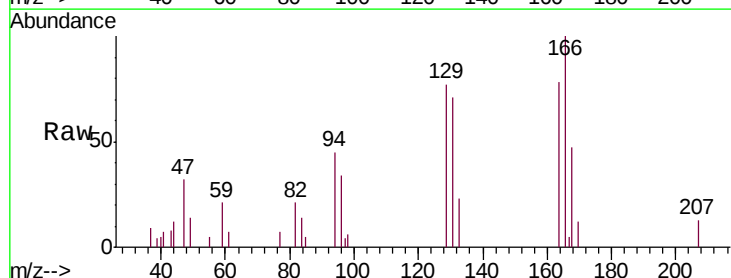
Abundance

Ion 97.00 (96.70 to 97.70): VV009308.D (-2099) (-)



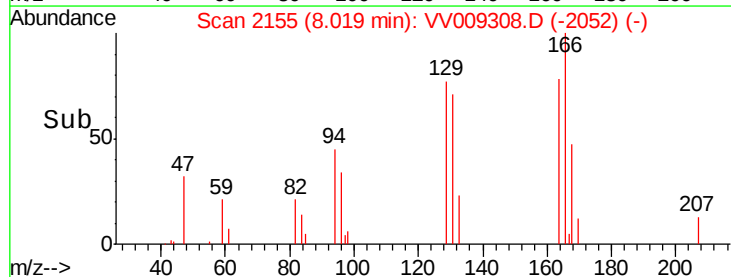
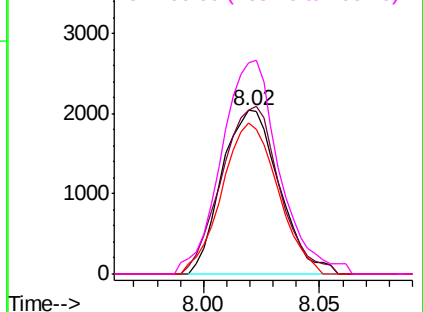
#47
 Tetrachloroethene
 Concen: 2.370 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

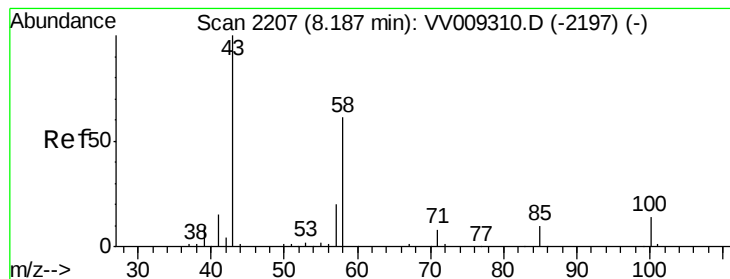
Tgt Ion:	164	Resp:	3511
Ion	Ratio	Lower	Upper
164	100		
129	99.7	67.0	124.4
131	92.1	65.0	120.8
166	128.9	89.9	167.0



Abundance

Ion 164.00 (163.70 to 164.70): VV009308.D (-2052) (-)





#49

2-Hexanone

Concen: 4.921 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

Tgt Ion: 43 Resp: 5253

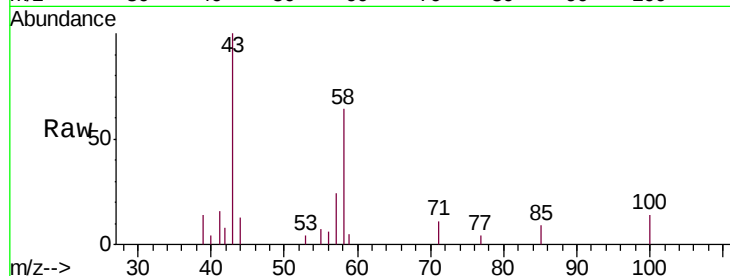
Ion Ratio Lower Upper

43 100

58 67.6 46.8 70.2

57 27.0 14.2 21.2#

100 13.0 11.0 16.6

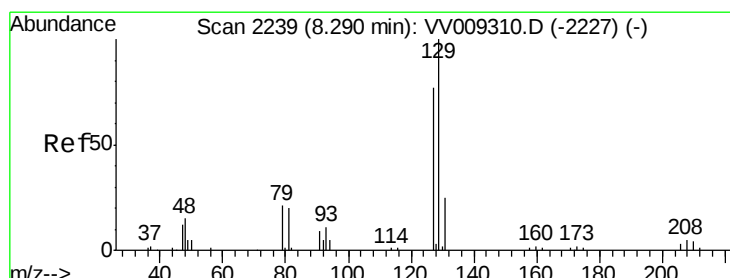
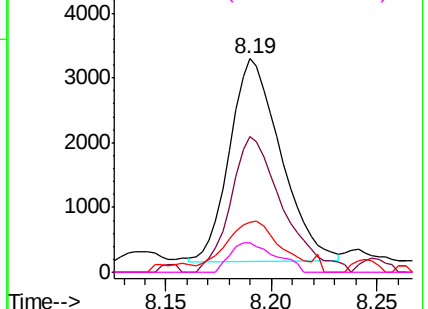
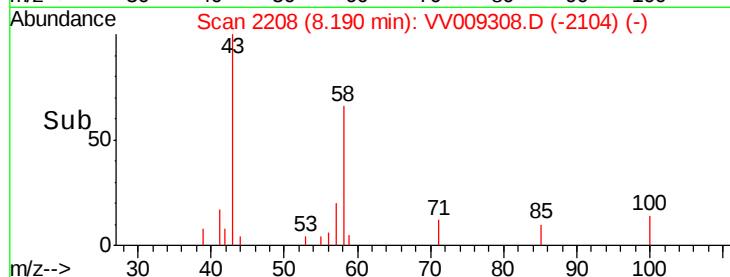


Abundance Ion 43.00 (42.70 to 43.70): VV009310.D (-2197) (-)

Ion 58.00 (57.70 to 58.70): VV009310.D (-2197) (-)

Ion 57.00 (56.70 to 57.70): VV009310.D (-2197) (-)

Ion 100.00 (99.70 to 100.70): VV009310.D (-2197) (-)



#50

Dibromochloromethane

Concen: 2.305 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VV009308.D

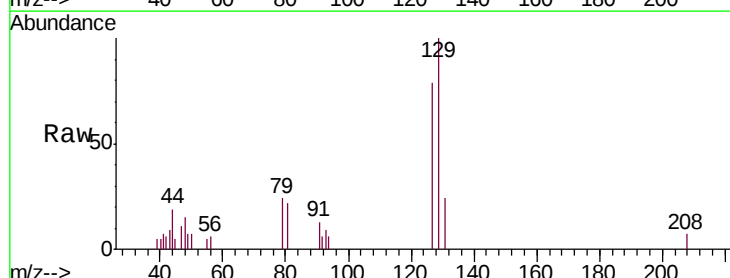
Acq: 20 Feb 2019 19:26

Tgt Ion: 129 Resp: 3939

Ion Ratio Lower Upper

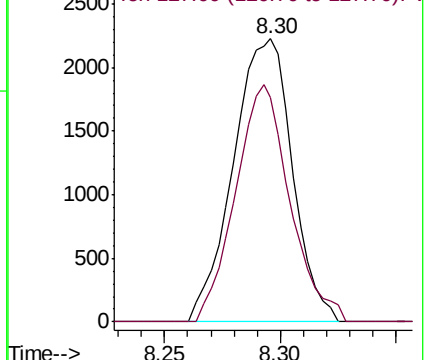
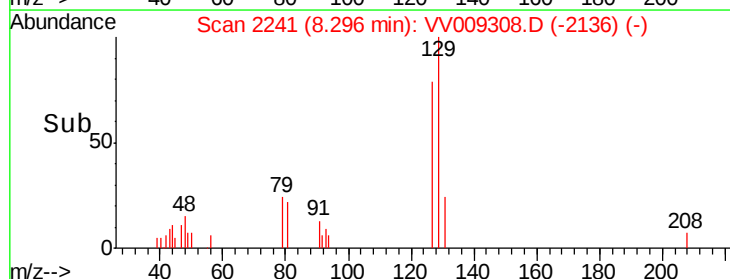
129 100

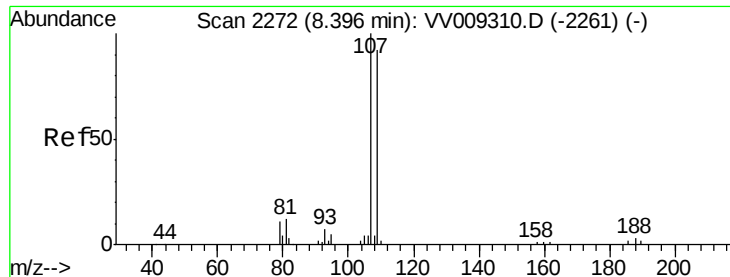
127 79.5 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VV009310.D (-2227) (-)

Ion 127.00 (126.70 to 127.70): VV009310.D (-2227) (-)

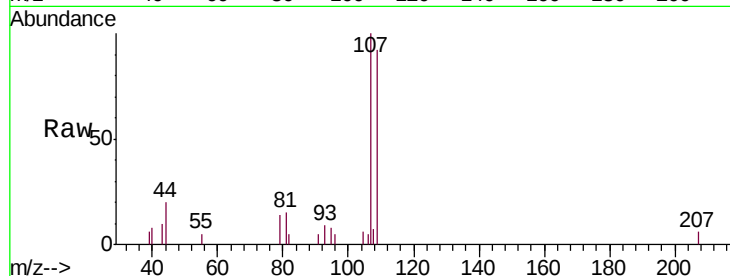




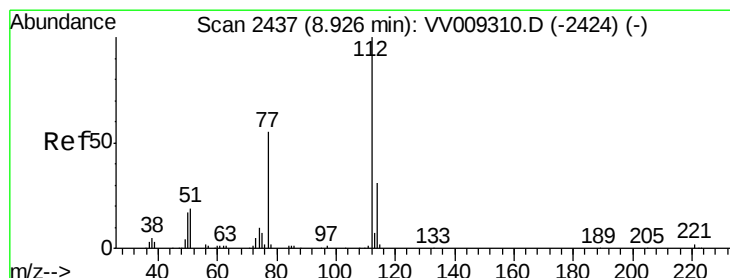
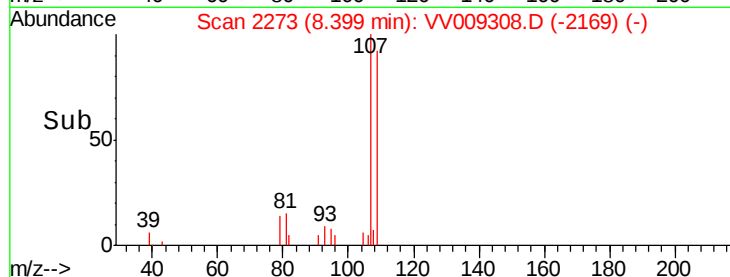
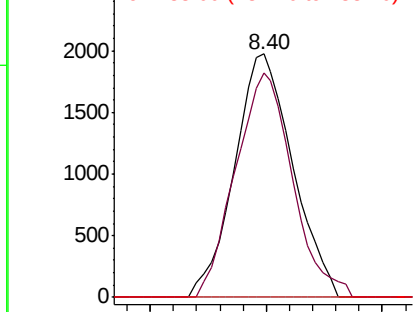
#51
 1,2-Dibromoethane
 Concen: 2.508 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Tgt Ion:107 Resp: 3434
 Ion Ratio Lower Upper
 107 100
 109 92.4 64.5 119.9
 188 0.0 2.8 4.2#

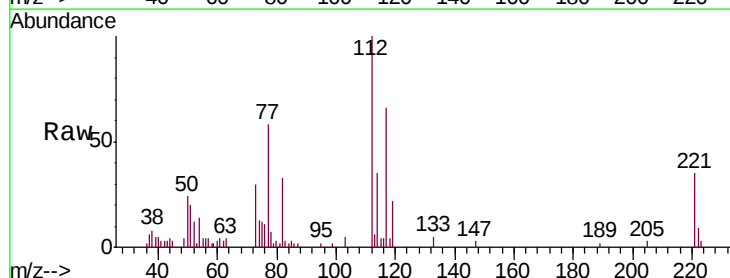


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

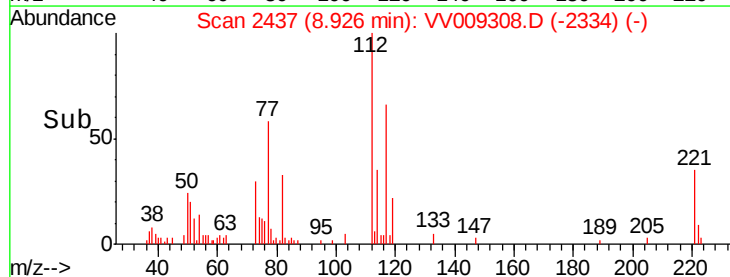
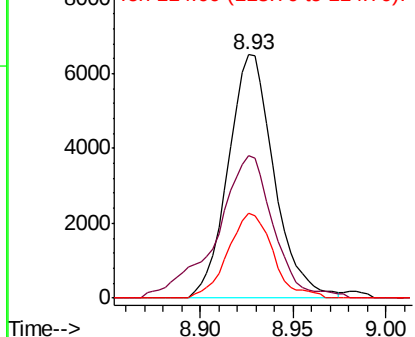


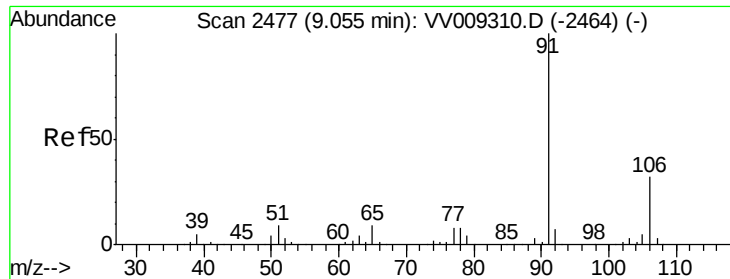
#52
 Chlorobenzene
 Concen: 2.247 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion:112 Resp: 11187
 Ion Ratio Lower Upper
 112 100
 77 58.4 45.0 67.4
 114 34.8 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.289 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

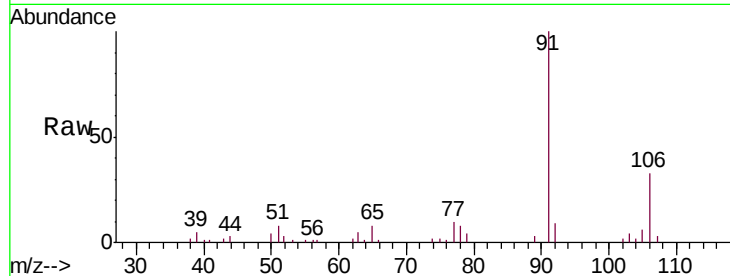
VSTD2.569

Tgt Ion: 91 Resp: 19962

Ion Ratio Lower Upper

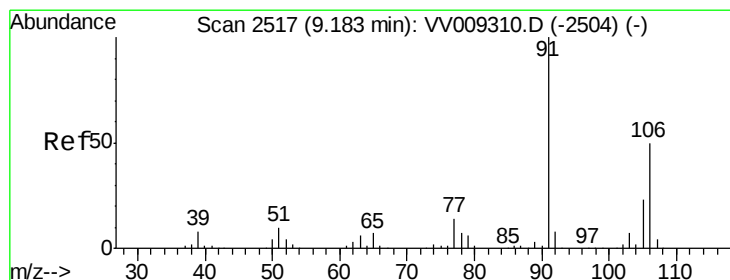
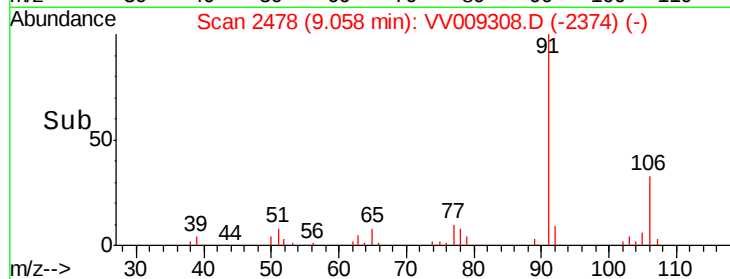
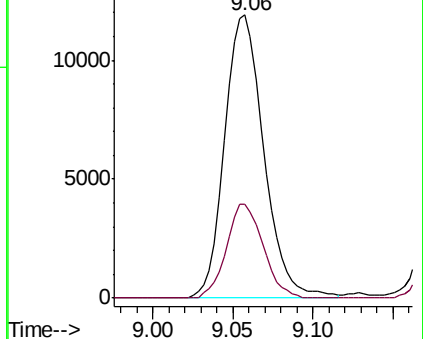
91 100

106 33.3 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV009310.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009310.D (-2464) (-)



#54

m,p-Xylene

Concen: 2.384 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009308.D

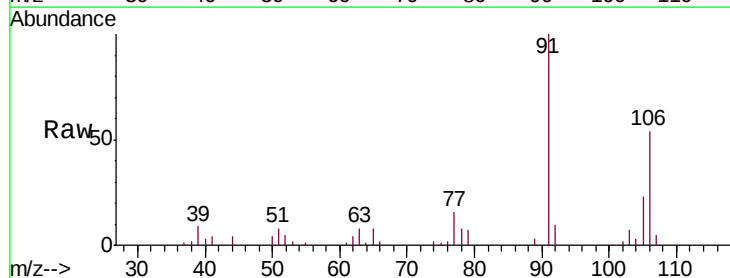
Acq: 20 Feb 2019 19:26

Tgt Ion: 106 Resp: 7954

Ion Ratio Lower Upper

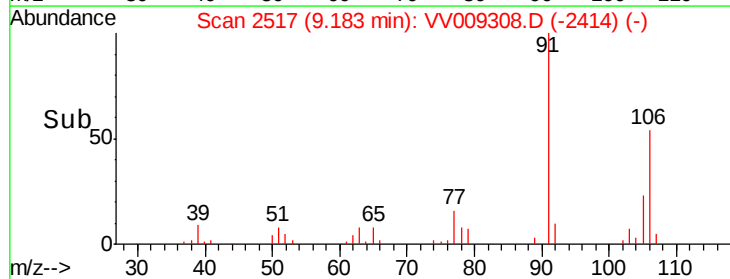
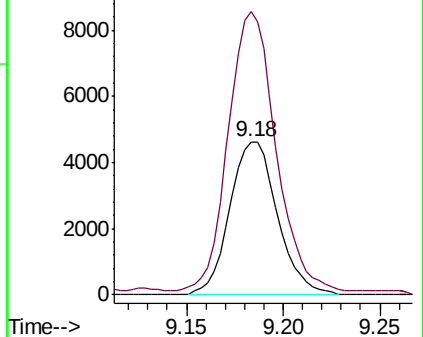
106 100

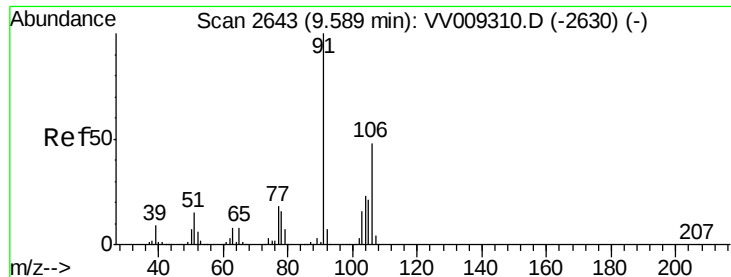
91 184.5 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV009310.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009310.D (-2504) (-)





#55

o-xylene

Concen: 2.050 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

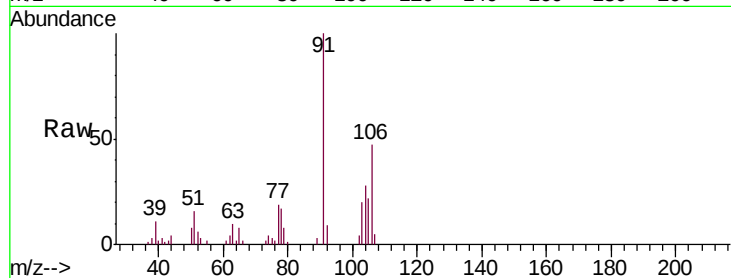
VSTD2.569

Tgt Ion:106 Resp: 6652

Ion Ratio Lower Upper

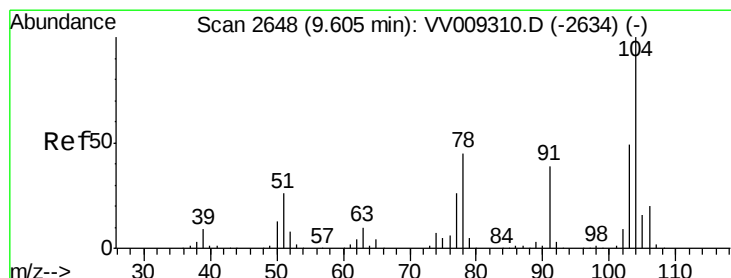
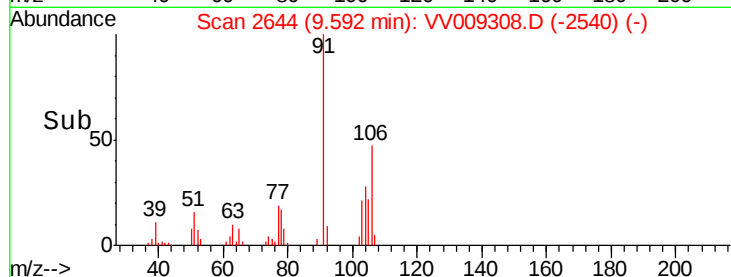
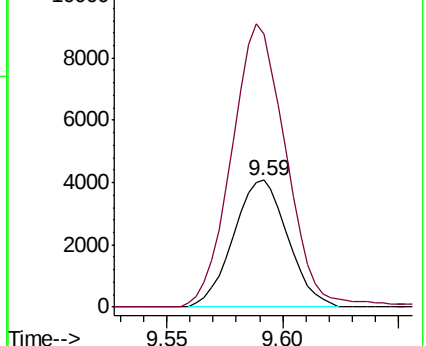
106 100

91 214.9 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.087 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV009308.D

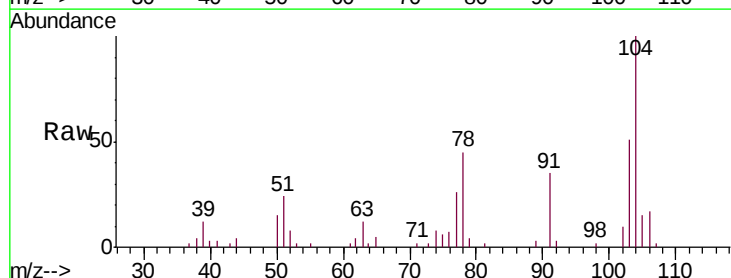
Acq: 20 Feb 2019 19:26

Tgt Ion:104 Resp: 11674

Ion Ratio Lower Upper

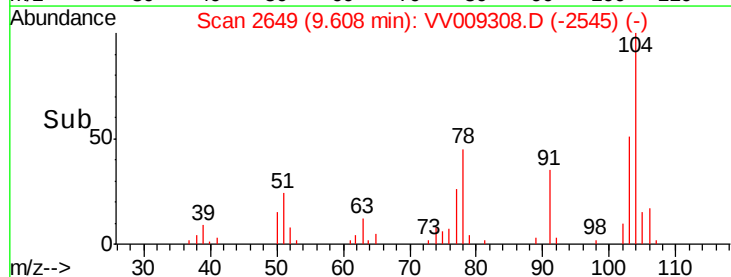
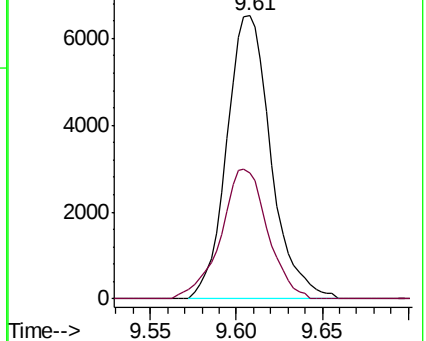
104 100

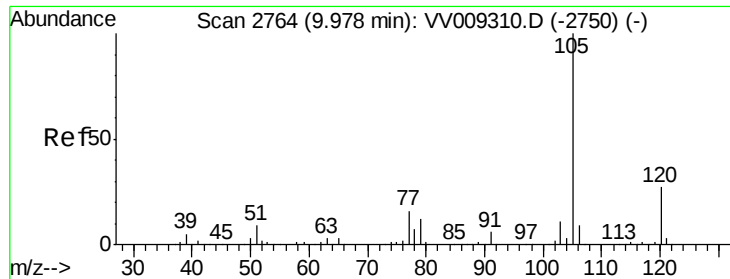
78 44.6 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.317 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

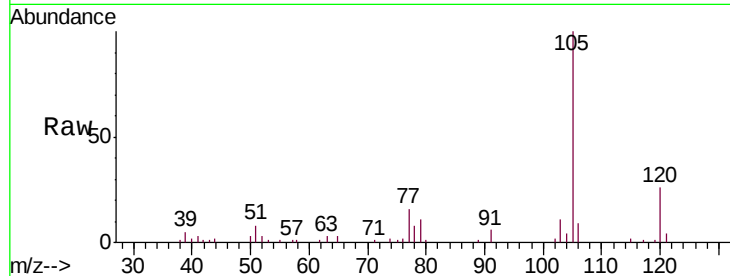
Tgt Ion: 105 Resp: 20405

Ion Ratio Lower Upper

105 100

120 25.4 21.7 32.5

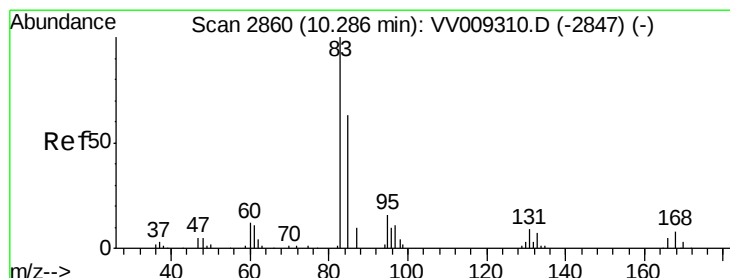
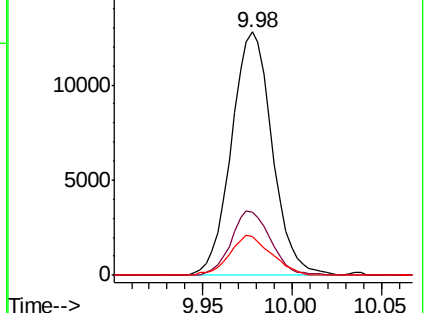
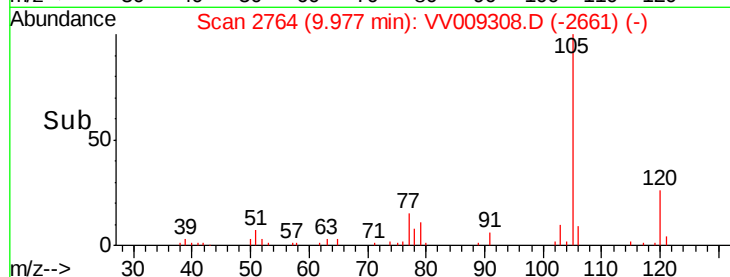
77 16.8 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.666 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

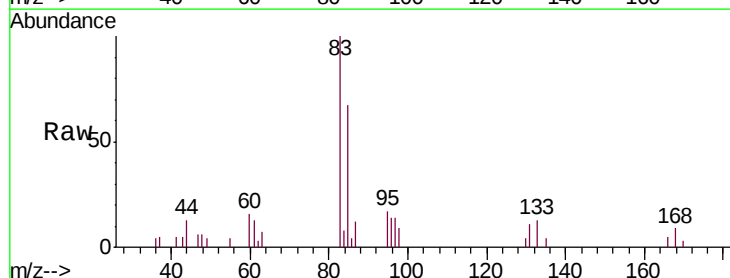
Tgt Ion: 83 Resp: 4978

Ion Ratio Lower Upper

83 100

85 66.9 44.7 83.1

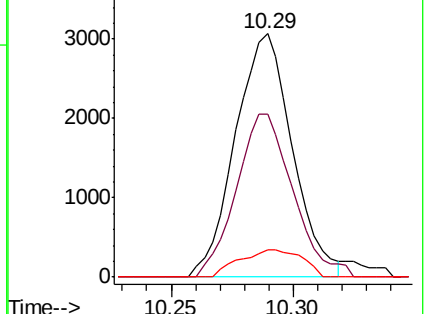
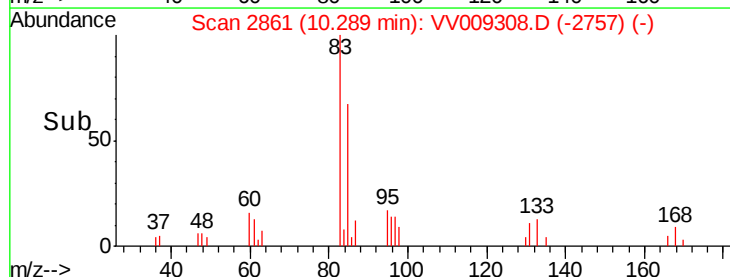
131 11.2 8.1 12.1

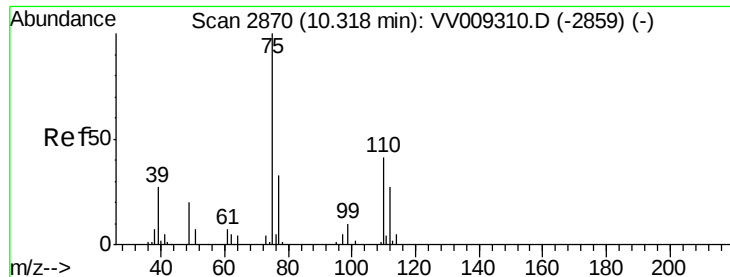


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

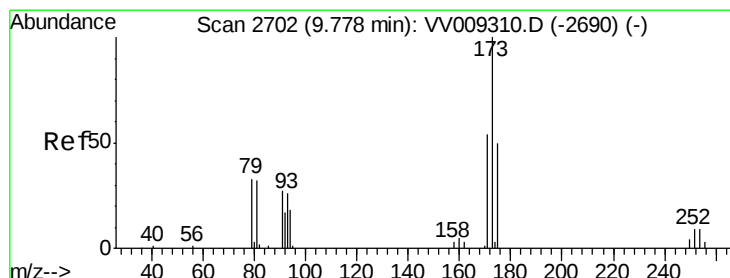
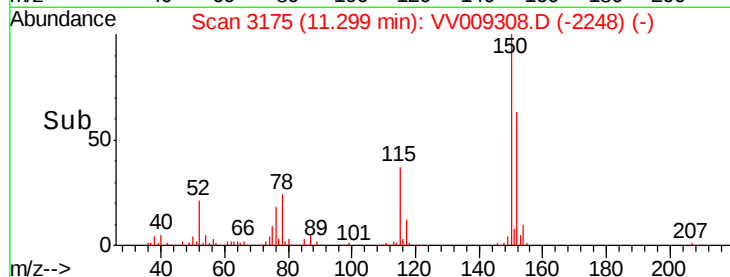
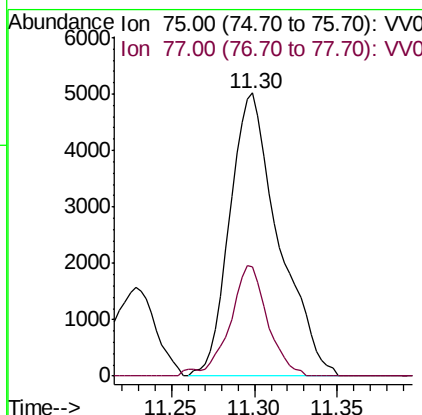
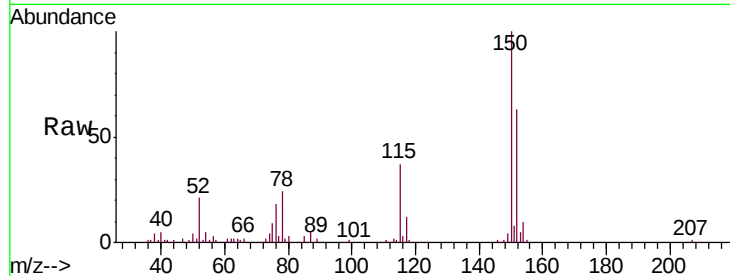




#59
 1,2,3-Trichloropropane
 Concen: 7.595 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

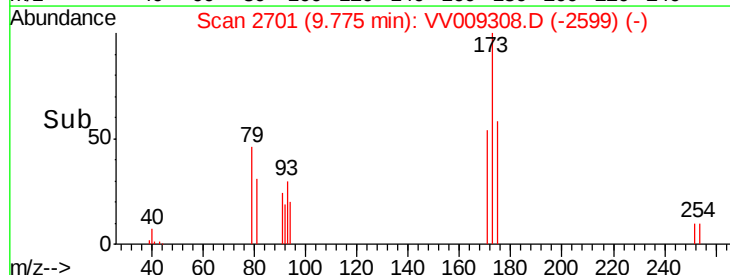
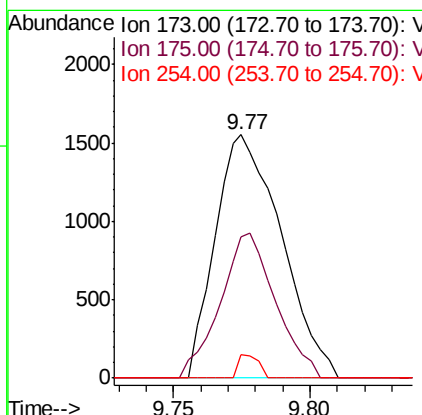
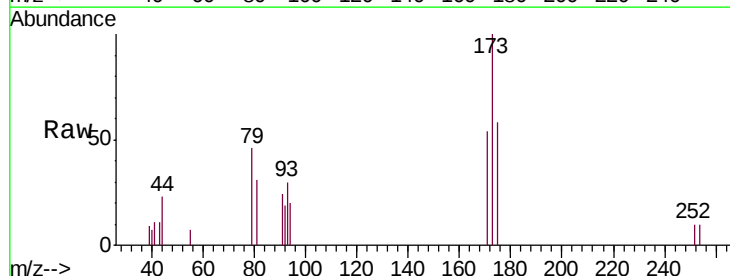
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

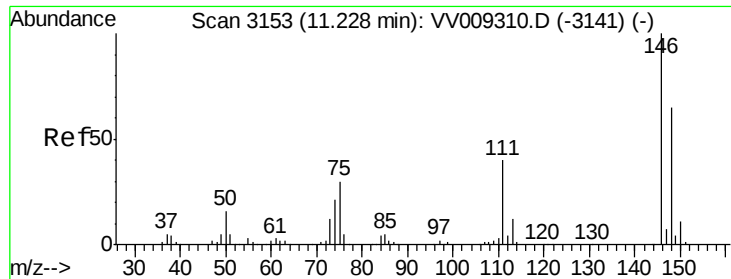
Tgt Ion: 75 Resp: 10287
 Ion Ratio Lower Upper
 75 100
 77 29.4 26.3 39.5



#62
 Bromoform
 Concen: 2.485 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion: 173 Resp: 2611
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.1 58.7
 254 3.0 5.7 8.5#

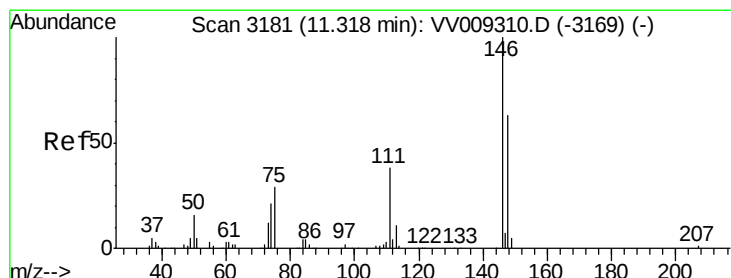
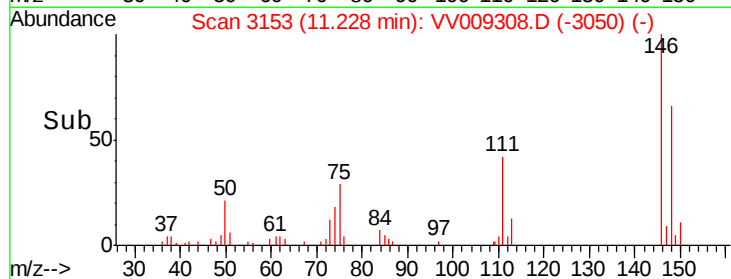
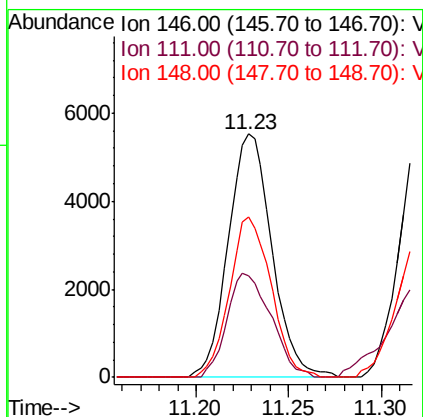
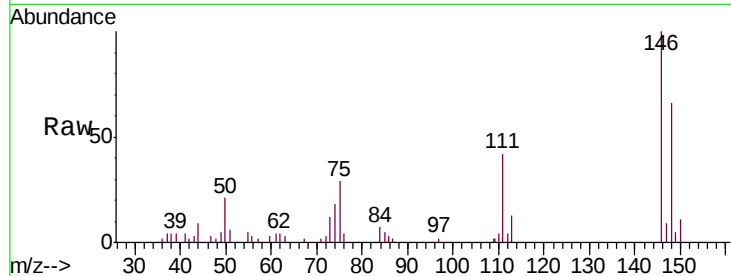




#63
 1,3-Dichlorobenzene
 Concen: 2.445 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

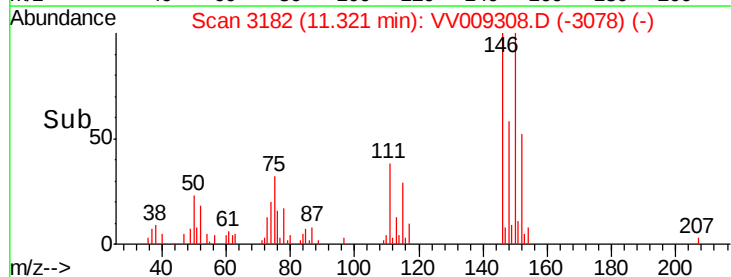
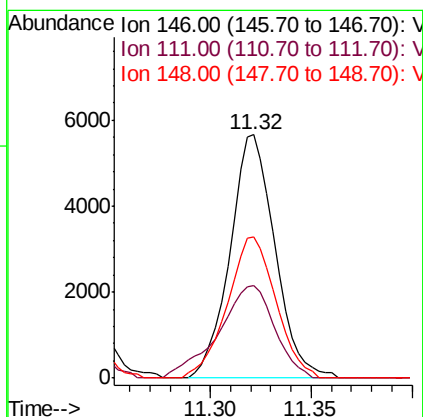
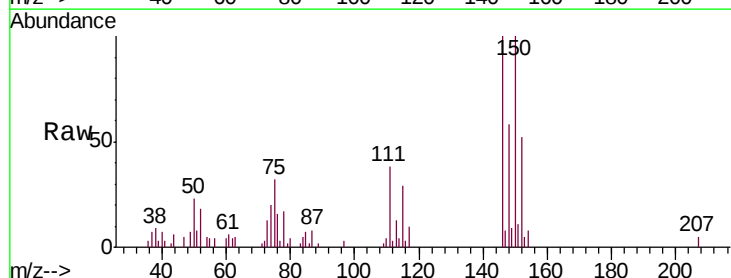
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

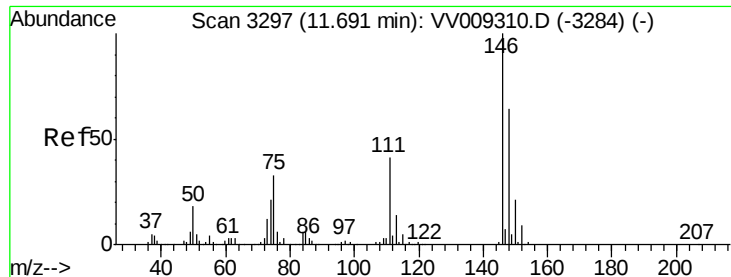
Tgt Ion:146 Resp: 9053
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.6 51.4
 148 66.1 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 2.365 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion:146 Resp: 8837
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.9 50.1
 148 58.1 44.1 81.9

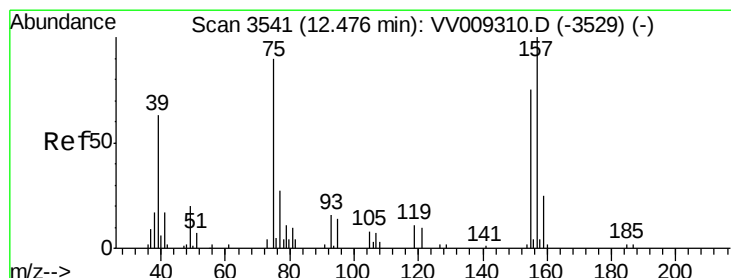
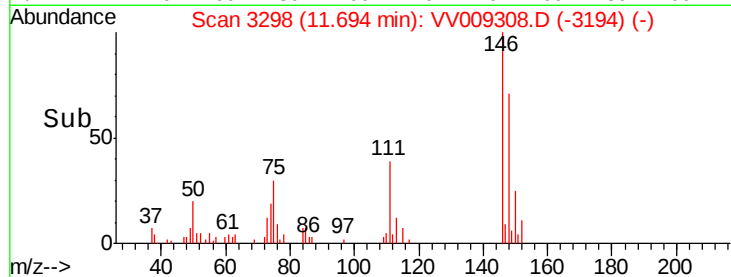
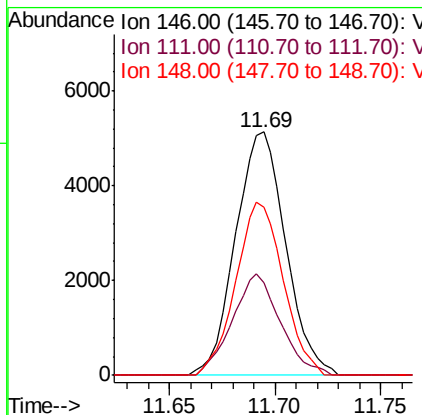
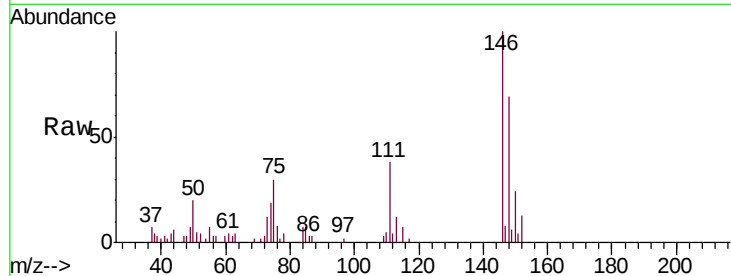




#65
 1,2-Dichlorobenzene
 Concen: 2.426 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

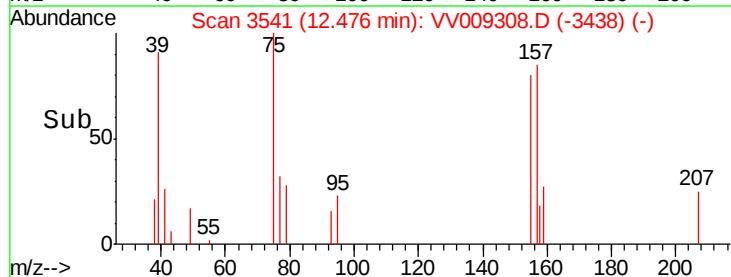
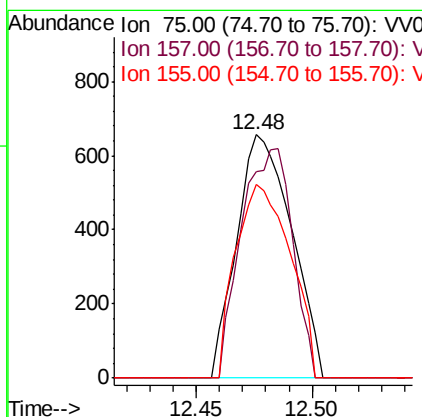
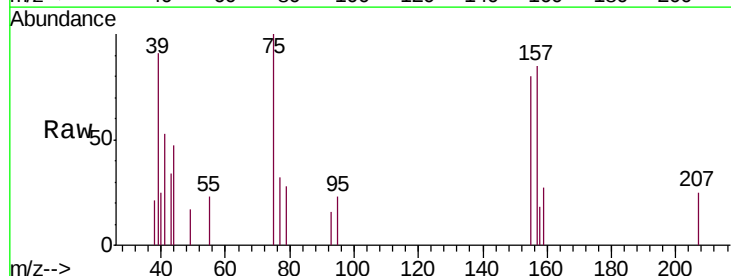
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

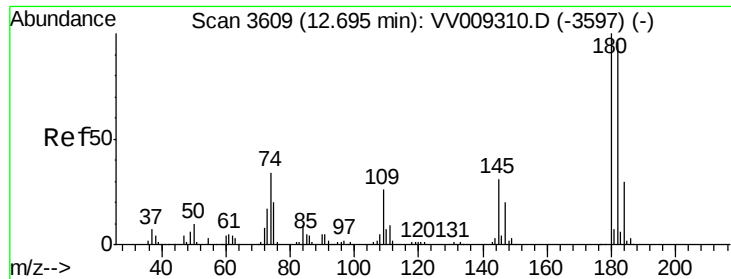
Tgt Ion: 146 Resp: 8495
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.6 48.8
 148 69.2 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.243 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion: 75 Resp: 1077
 Ion Ratio Lower Upper
 75 100
 157 84.8 88.6 133.0#
 155 79.8 66.6 100.0

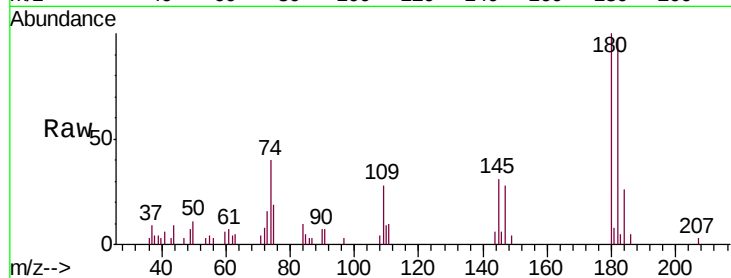




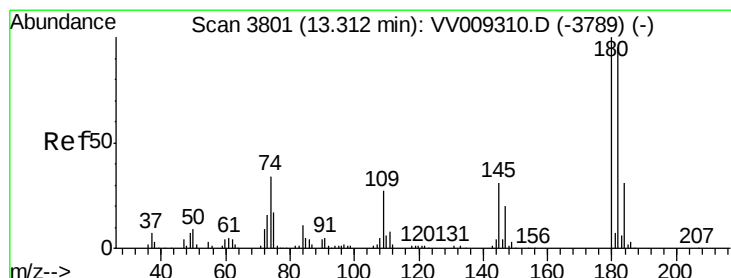
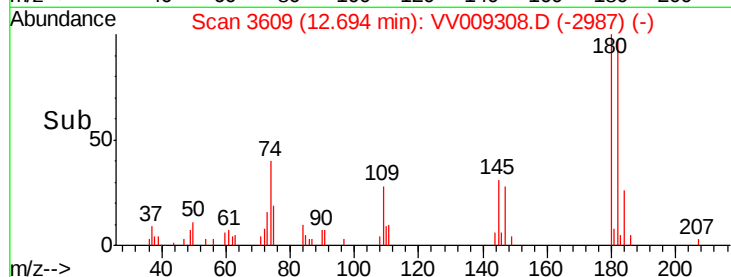
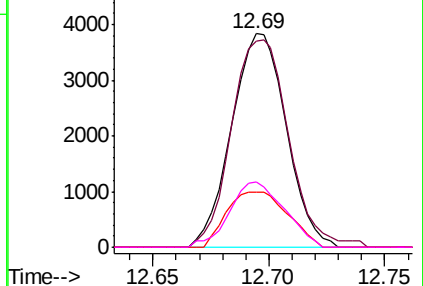
#67
 1,3,5-Trichlorobenzene
 Concen: 2.297 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.569

Tgt Ion:180 Resp: 6296
 Ion Ratio Lower Upper
 180 100
 182 100.7 77.4 116.2
 184 28.9 24.9 37.3
 145 30.5 24.3 36.5

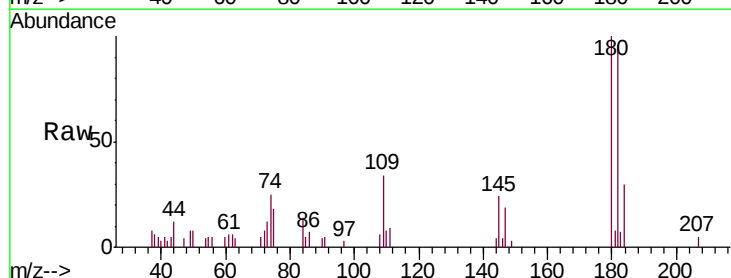


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

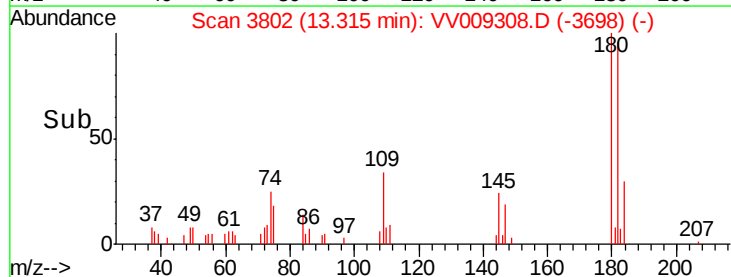
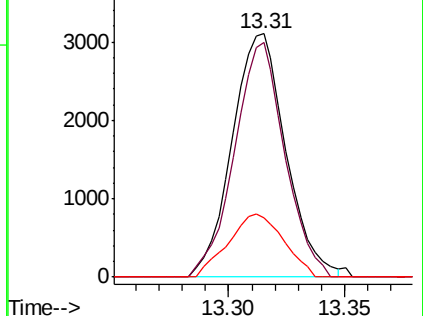


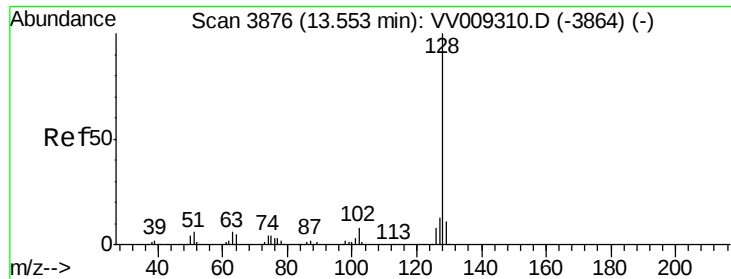
#68
 1,2,4-trichlorobenzene
 Concen: 2.239 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009308.D
 Acq: 20 Feb 2019 19:26

Tgt Ion:180 Resp: 5001
 Ion Ratio Lower Upper
 180 100
 182 90.0 76.7 115.1
 145 26.6 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 2.140 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.569

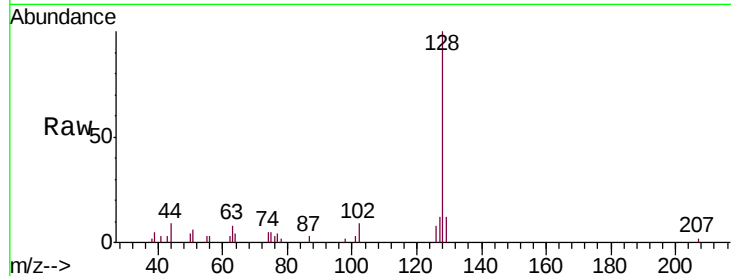
Tgt Ion:128 Resp: 9333

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

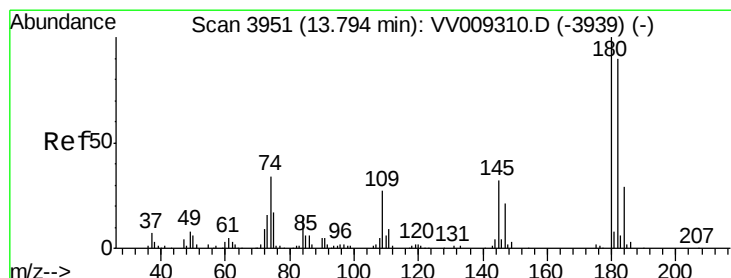
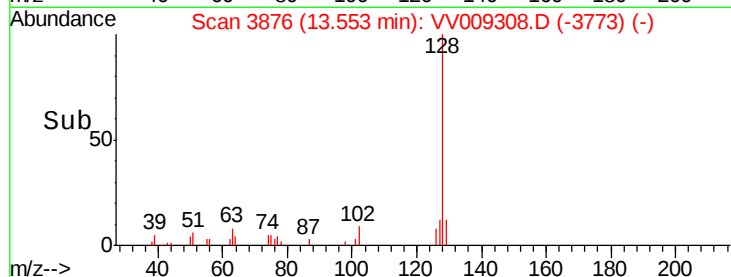
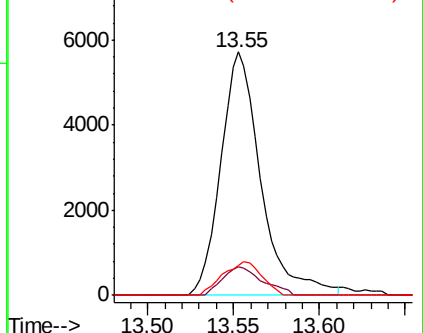
127 13.4 10.5 15.7



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: 2.276 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009308.D

Acq: 20 Feb 2019 19:26

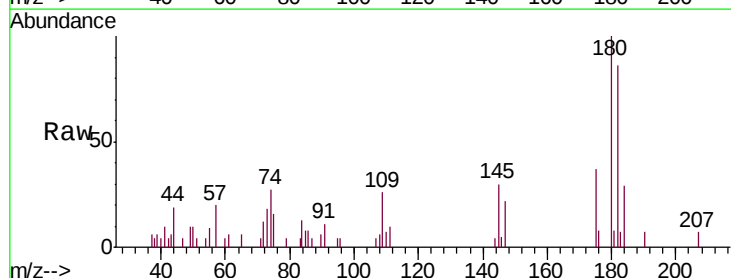
Tgt Ion:180 Resp: 4581

Ion Ratio Lower Upper

180 100

182 88.4 73.6 110.4

145 32.9 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

