

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102318\
 Data File : VV008381.D
 Acq On : 23 Oct 2018 18:01
 Operator : SY/MD
 Sample : VSTD00551
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Quant Time: Oct 24 02:27:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 02:24:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72463	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5814	5.30	ug/L	0.00
7) Chloroethane-d5	1.57	69	4286	6.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	10374	5.07	ug/L	0.00
21) 2-Butanone-d5	3.94	46	11717	10.25	ug/L	0.00
24) Chloroform-d	4.41	84	13802	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	9406	5.39	ug/L	0.00
32) Benzene-d6	5.10	84	26773	5.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	9325	5.40	ug/L	0.00
41) Toluene-d8	7.36	98	23785	5.19	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4339	5.13	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	9229	12.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	11896	5.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	8219	5.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7287	5.068 ug/L	99
3) Chloromethane	1.25	50	8056	5.624 ug/L	100
5) Vinyl chloride	1.33	62	7209	5.053 ug/L #	61
6) Bromomethane	1.52	94	2143	5.292 ug/L	97
8) Chloroethane	1.59	64	3489	4.860 ug/L #	76
9) Trichlorofluoromethane	1.77	101	9254	5.011 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4779	4.872 ug/L	95
12) 1,1-Dichloroethene	2.14	96	4609	5.015 ug/L	92
13) Acetone	2.19	43	12436	15.118 ug/L	99
14) Carbon disulfide	2.32	76	20791	6.390 ug/L	99
15) Methyl Acetate	2.46	43	9744	6.692 ug/L	99
16) Methylene chloride	2.54	84	8598	7.436 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	7086	6.621 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	25541	6.639 ug/L	98
19) 1,1-Dichloroethane	3.24	63	14602	5.202 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	7726	4.805 ug/L	97
22) 2-Butanone	4.03	43	14111	9.923 ug/L	98
23) Bromochloromethane	4.30	128	3850	5.255 ug/L	93
25) Chloroform	4.43	83	14157	5.123 ug/L	97
27) 1,2-Dichloroethane	5.19	62	12182	5.295 ug/L	100
29) Cyclohexane	4.73	56	14044	5.206 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	12185	5.119 ug/L	100
31) Carbon tetrachloride	4.88	117	10254	5.127 ug/L	99
33) Benzene	5.15	78	31176	5.174 ug/L	100
34) Trichloroethene	5.96	95	8018	4.612 ug/L	98
35) Methylcyclohexane	6.18	83	12920	4.895 ug/L	97
37) 1,2-Dichloropropane	6.23	63	8491	5.152 ug/L #	95
38) Bromodichloromethane	6.56	83	10822	5.184 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	12335	4.756 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	25072	10.378 ug/L	99

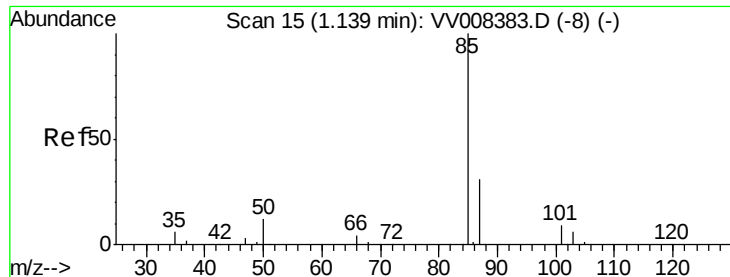
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102318\
 Data File : VV008381.D
 Acq On : 23 Oct 2018 18:01
 Operator : SY/MD
 Sample : VSTD00551
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Quant Time: Oct 24 02:27:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 02:24:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	31760	5.099	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	11970	4.988	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	7503	5.211	ug/L	93
46) Tetrachloroethene	8.02	164	4965	4.923	ug/L	97
48) 2-Hexanone	8.19	43	17917	9.308	ug/L	99
49) Dibromochloromethane	8.29	129	7855	5.172	ug/L	97
50) 1,2-Dibromoethane	8.40	107	7872	5.163	ug/L	97
51) Chlorobenzene	8.93	112	19241	5.024	ug/L	99
52) Ethylbenzene	9.06	91	34656	5.039	ug/L	98
53) m,p-Xylene	9.18	106	12634	5.081	ug/L	97
54) o-xylene	9.59	106	12997	5.305	ug/L	97
55) Styrene	9.61	104	20734	5.042	ug/L	99
56) Isopropylbenzene	9.98	105	32396	4.964	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	12935	6.246	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10168	5.110	ug/L	95
61) Bromoform	9.78	173	4862	5.378	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	12983	5.176	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	12857	5.092	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	13383	5.235	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2627	5.389	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	7903	4.885	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	5765	4.402	ug/L	99
69) Naphthalene	13.56	128	18853	4.082	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	5882	4.400	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.068 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

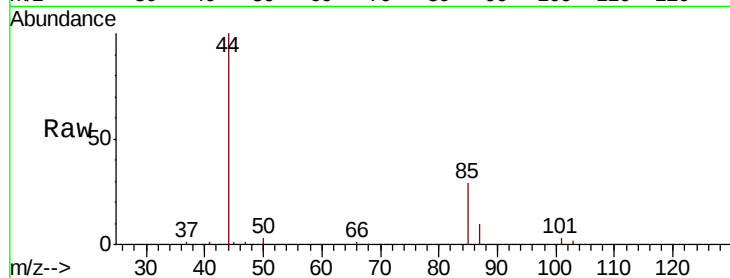
VSTD00551

Tgt Ion: 85 Resp: 7287

Ion Ratio Lower Upper

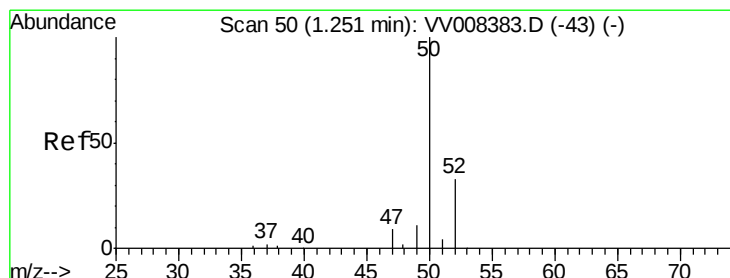
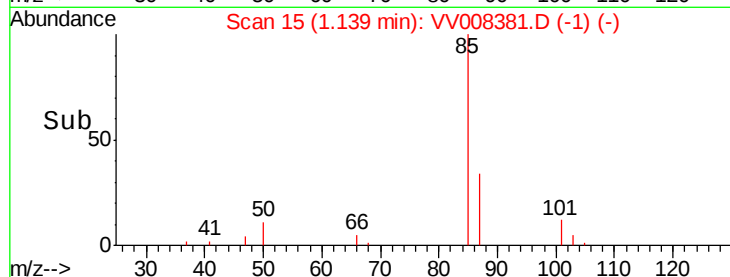
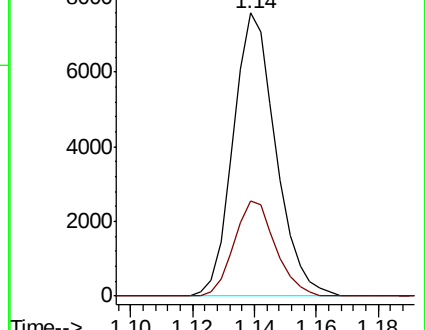
85 100

87 32.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008381.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008381.D (-8) (-)



#3

Chloromethane

Concen: 5.624 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008381.D

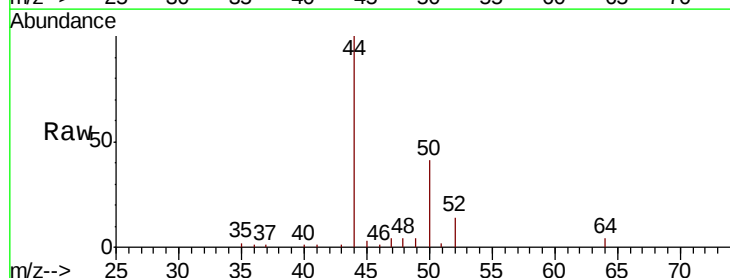
Acq: 23 Oct 2018 18:01

Tgt Ion: 50 Resp: 8056

Ion Ratio Lower Upper

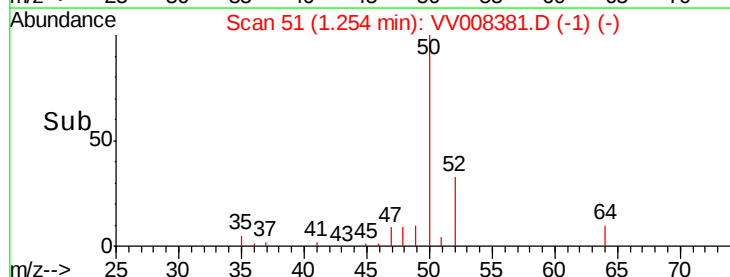
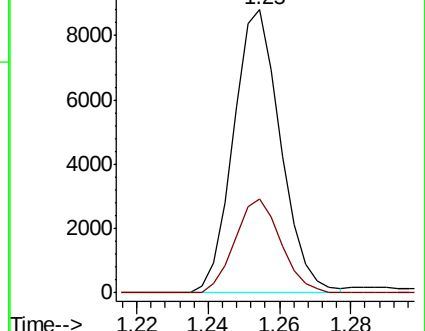
50 100

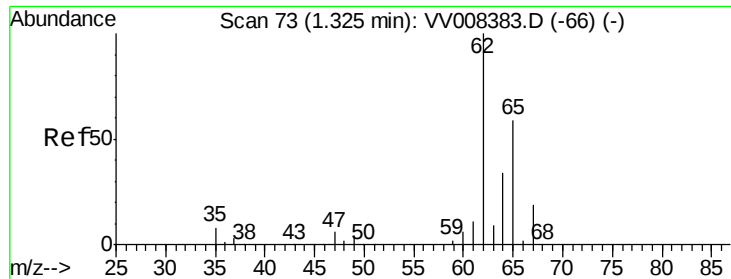
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008381.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008381.D (-43) (-)





#5

Vinyl chloride

Concen: 5.053 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

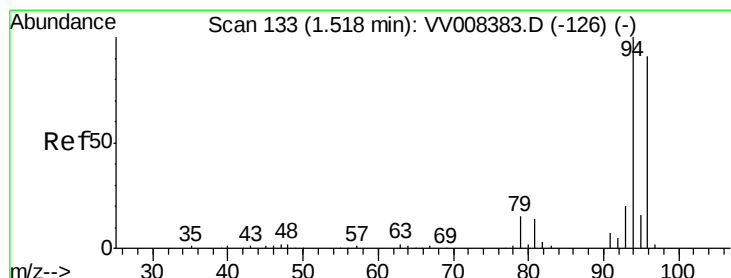
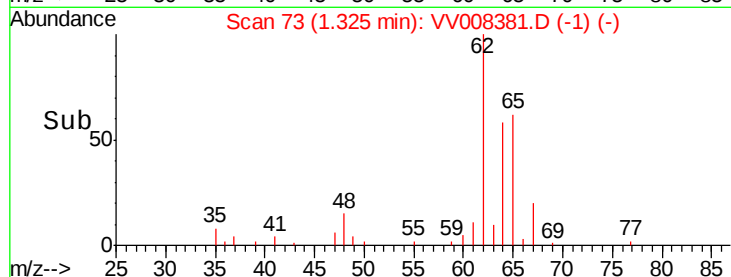
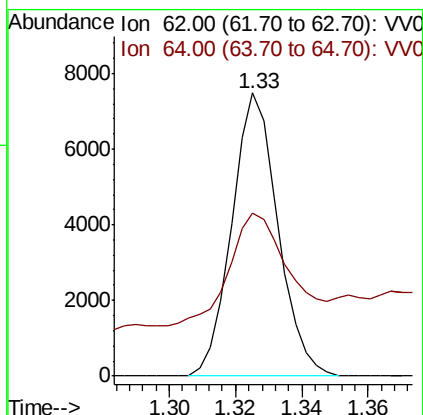
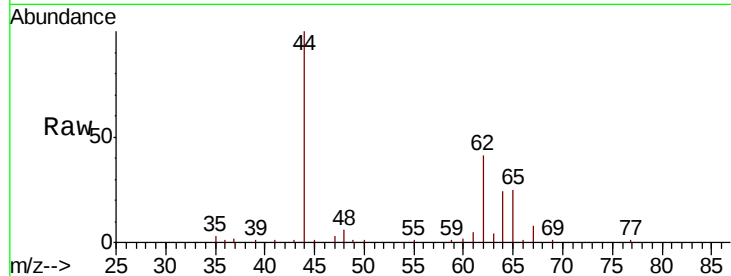
VSTD00551

Tgt Ion: 62 Resp: 7209

Ion Ratio Lower Upper

62 100

64 57.8 24.4 45.4#



#6

Bromomethane

Concen: 5.292 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008381.D

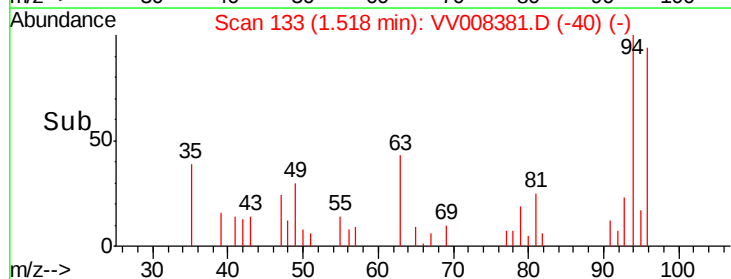
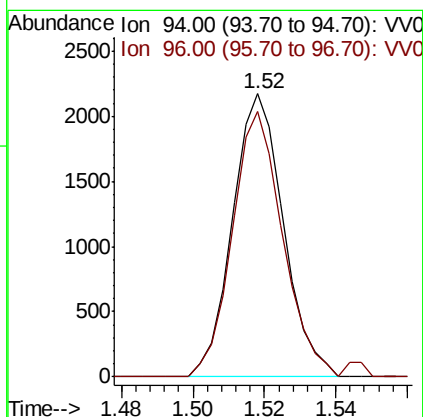
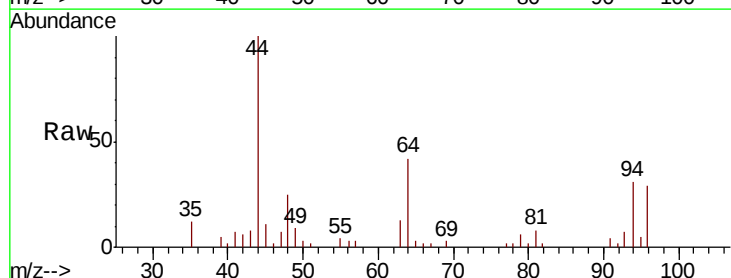
Acq: 23 Oct 2018 18:01

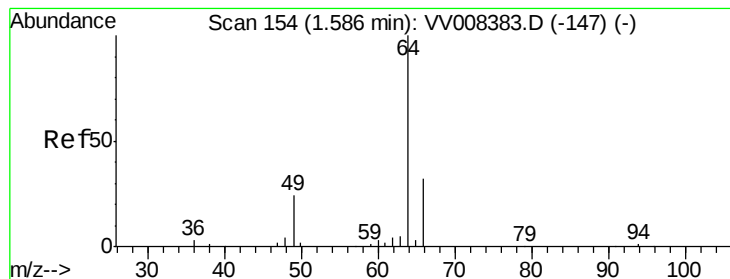
Tgt Ion: 94 Resp: 2143

Ion Ratio Lower Upper

94 100

96 93.7 63.8 118.6





#8

Chloroethane

Concen: 4.860 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

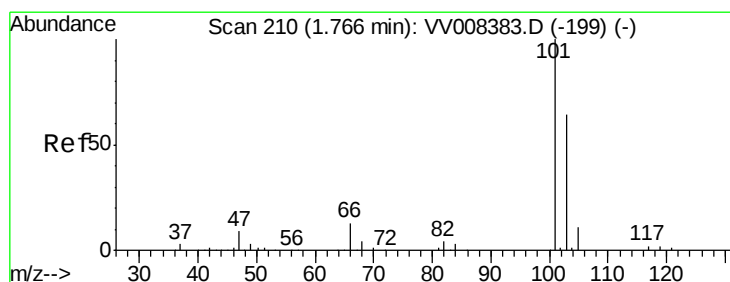
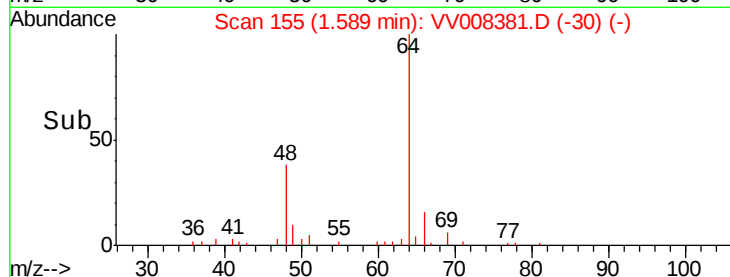
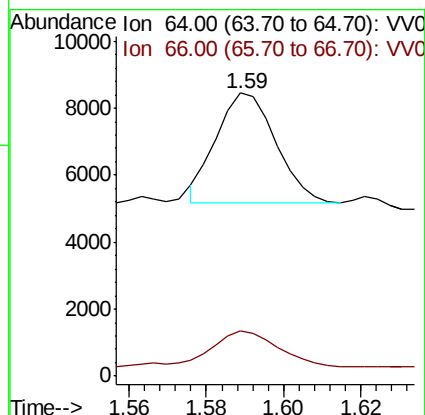
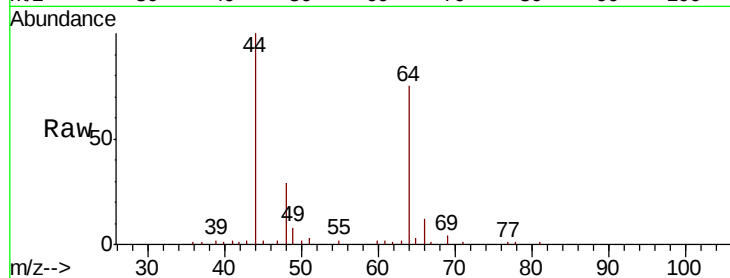
VSTD00551

Tgt Ion: 64 Resp: 3489

Ion Ratio Lower Upper

64 100

66 15.8 19.9 36.9#



#9

Trichlorofluoromethane

Concen: 5.011 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008381.D

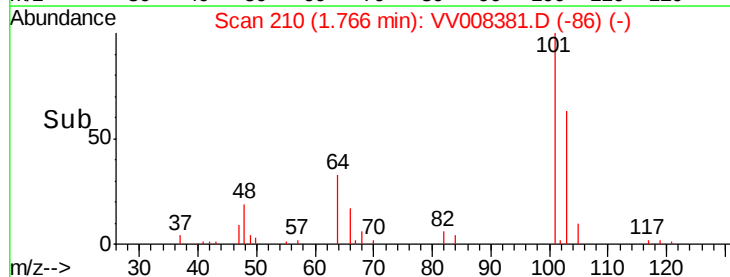
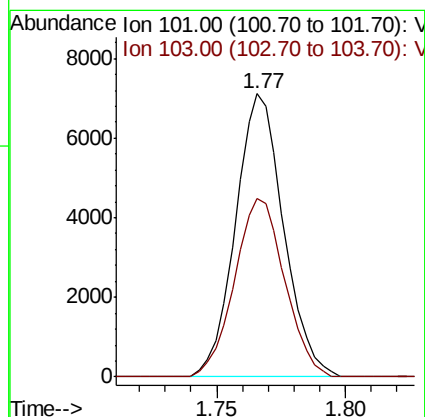
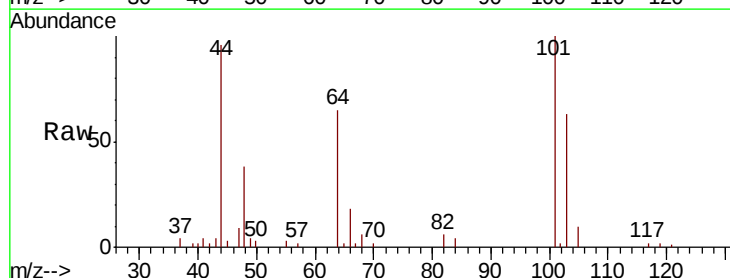
Acq: 23 Oct 2018 18:01

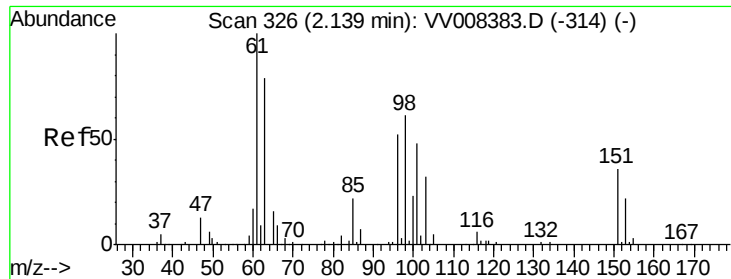
Tgt Ion: 101 Resp: 9254

Ion Ratio Lower Upper

101 100

103 65.6 51.0 76.6





#10

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

Concen: 4.872 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

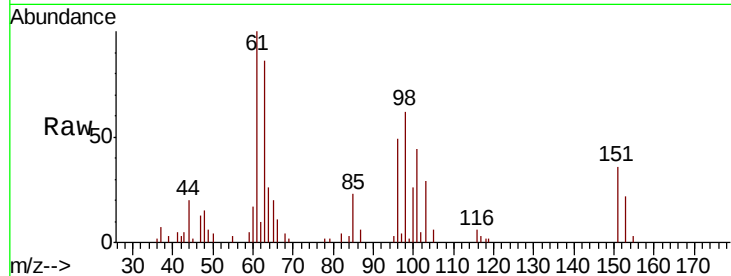
Tgt Ion:101 Resp: 4779

Ion Ratio Lower Upper

101 100

85 47.5 35.6 53.4

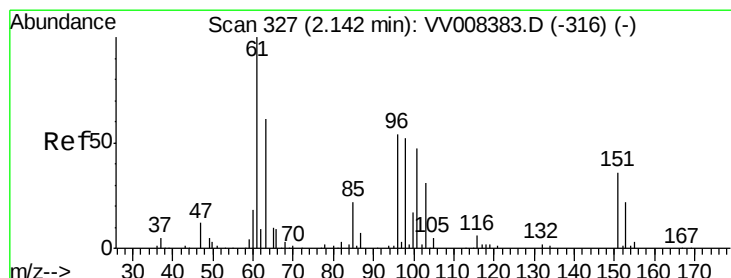
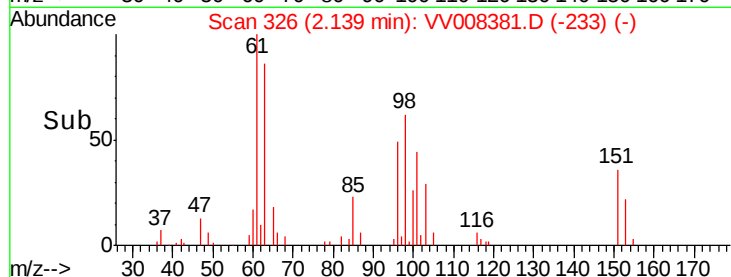
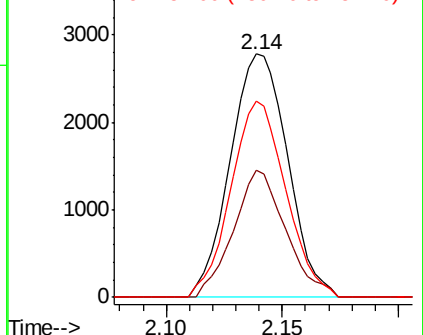
151 77.3 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): VV008381.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV008381.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV008381.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.015 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

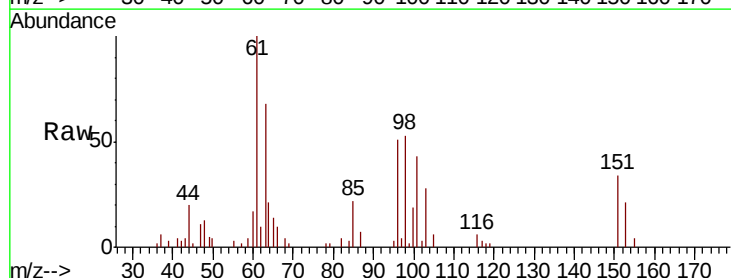
Tgt Ion: 96 Resp: 4609

Ion Ratio Lower Upper

96 100

61 195.6 130.3 242.1

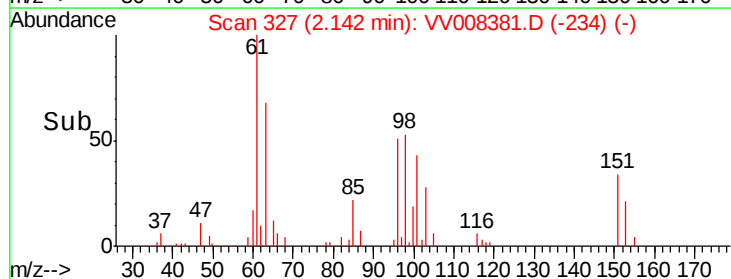
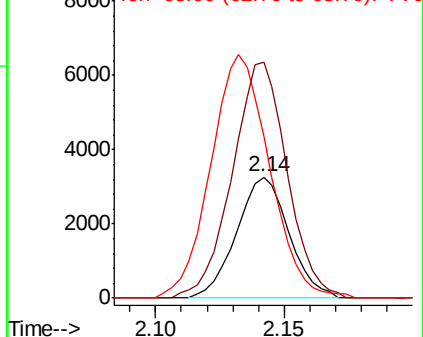
63 133.3 84.4 156.8

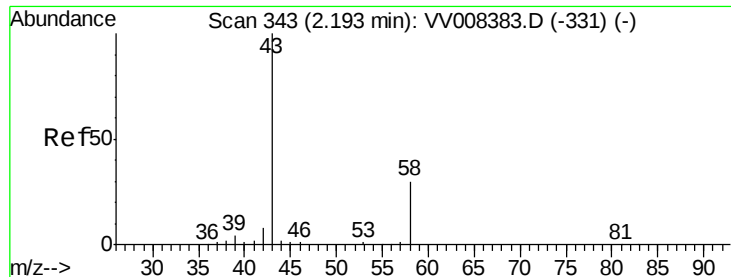


Abundance Ion 96.00 (95.70 to 96.70): VV008381.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV008381.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV008381.D (-234) (-)





#13

Acetone

Concen: 15.118 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

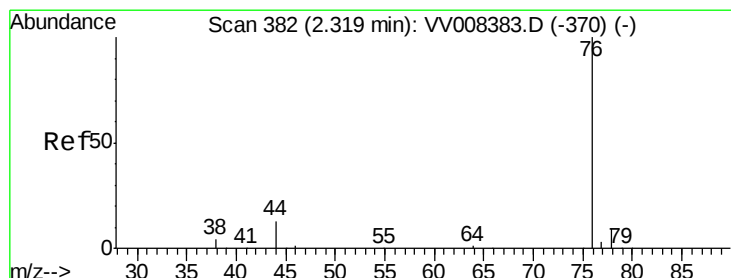
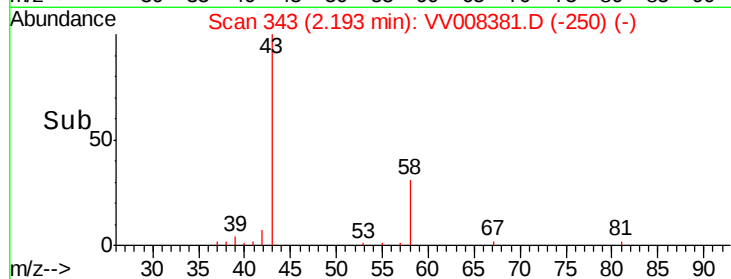
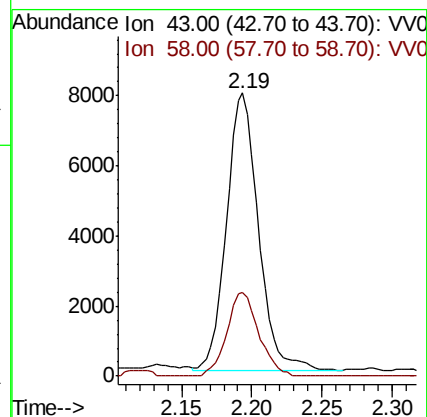
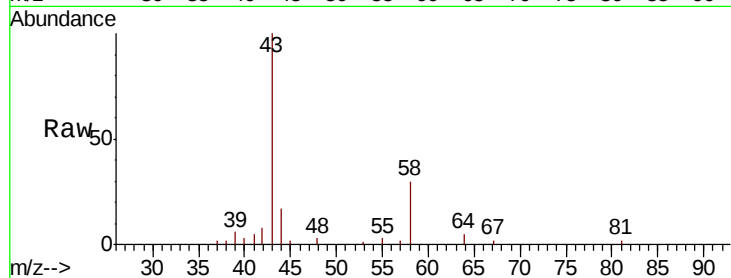
VSTD00551

Tgt Ion: 43 Resp: 12436

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.4



#14

Carbon disulfide

Concen: 6.390 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008381.D

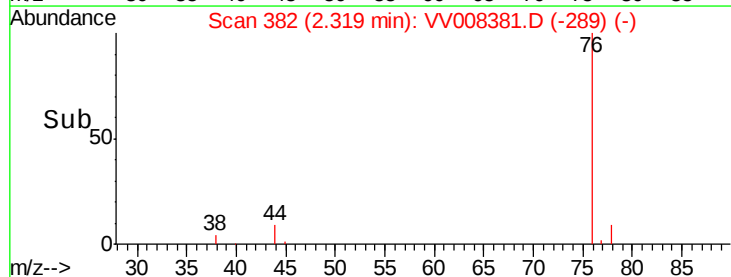
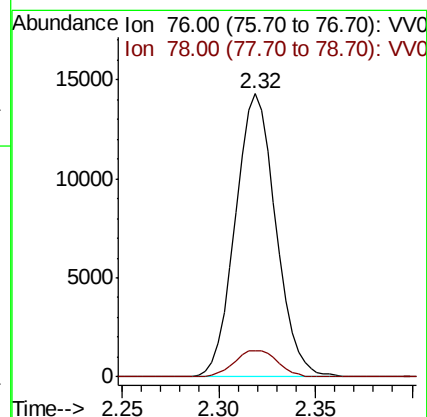
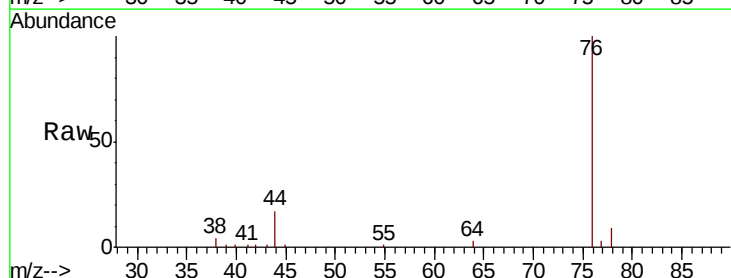
Acq: 23 Oct 2018 18:01

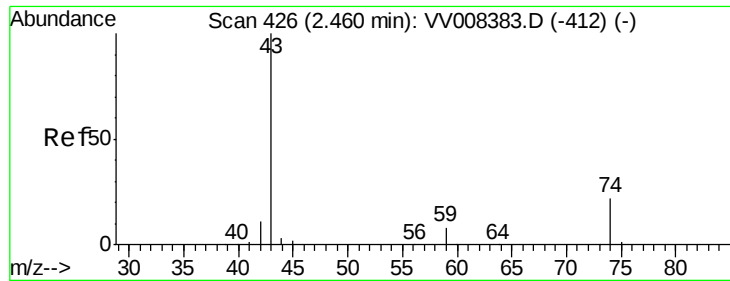
Tgt Ion: 76 Resp: 20791

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 6.692 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

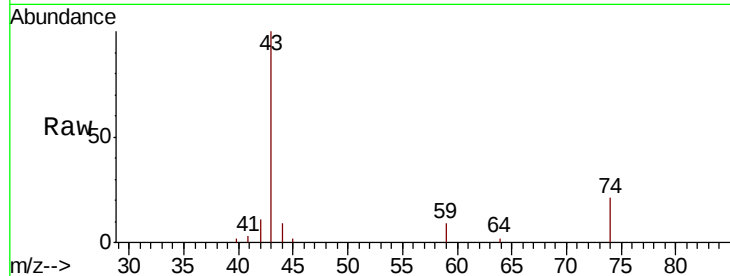
VSTD00551

Tgt Ion: 43 Resp: 9744

Ion Ratio Lower Upper

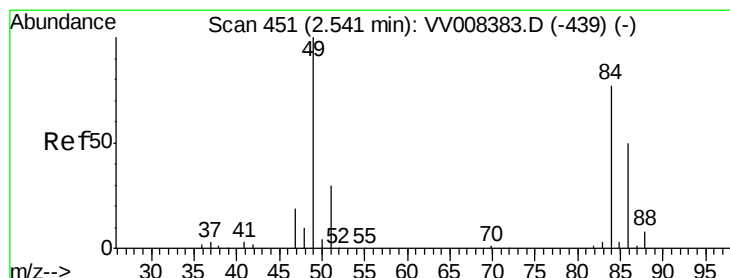
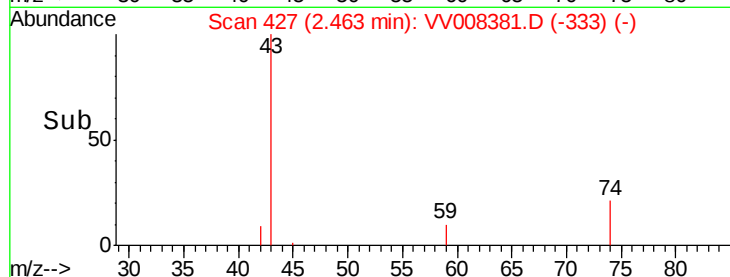
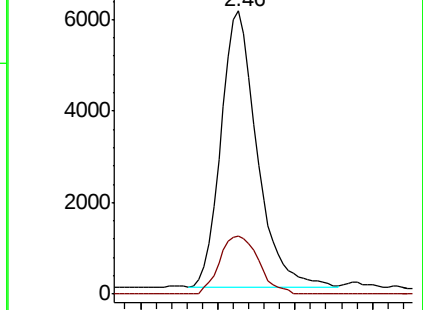
43 100

74 22.8 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008381.D (-412) (-)

Ion 74.00 (73.70 to 74.70): VV008381.D (-412) (-)



#16

Methylene chloride

Concen: 7.436 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

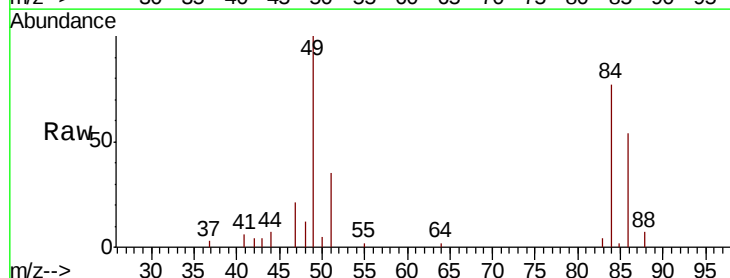
Tgt Ion: 84 Resp: 8598

Ion Ratio Lower Upper

84 100

86 69.7 45.6 84.6

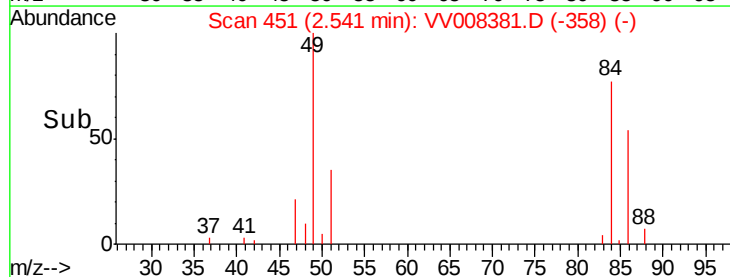
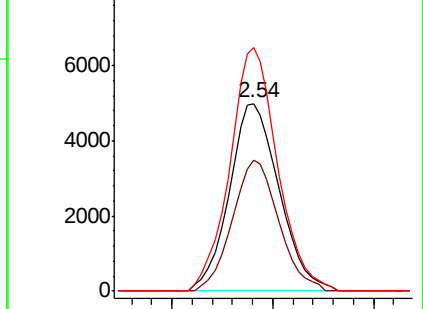
49 129.6 90.6 168.3

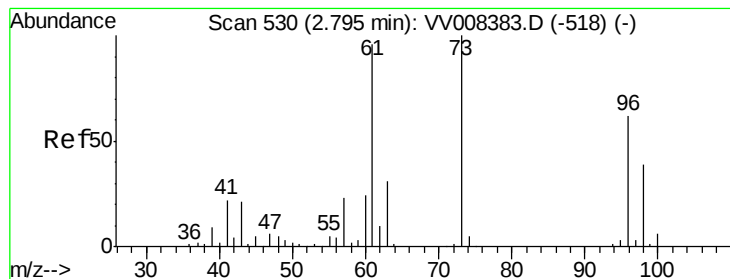


Abundance Ion 84.00 (83.70 to 84.70): VV008381.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV008381.D (-439) (-)

Ion 49.00 (48.70 to 49.70): VV008381.D (-439) (-)





#17

trans-1,2-Dichloroethene

Concen: 6.621 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

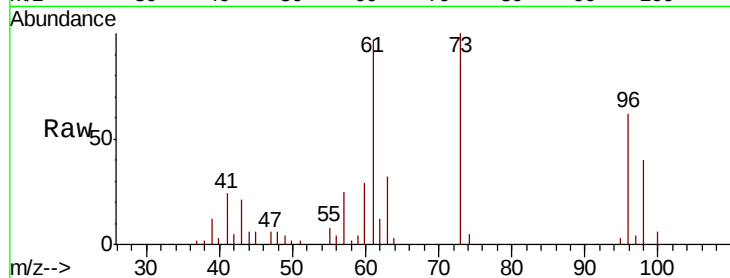
Tgt Ion: 96 Resp: 7086

Ion Ratio Lower Upper

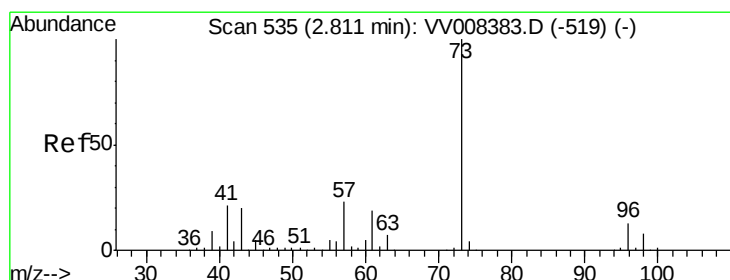
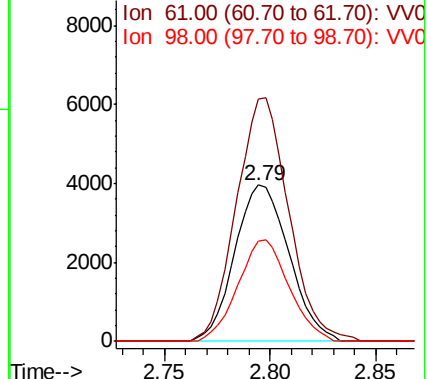
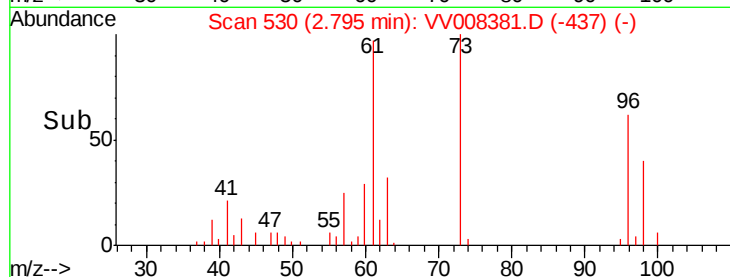
96 100

61 155.6 108.6 201.6

98 64.2 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008381.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 6.639 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

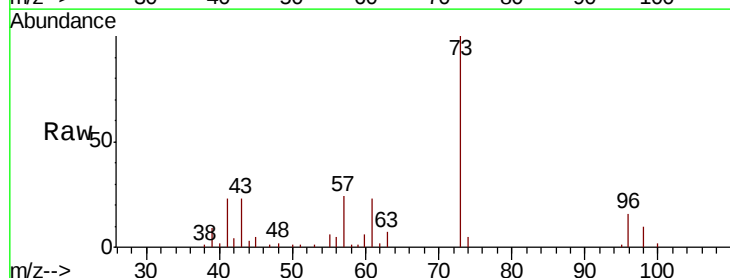
Tgt Ion: 73 Resp: 25541

Ion Ratio Lower Upper

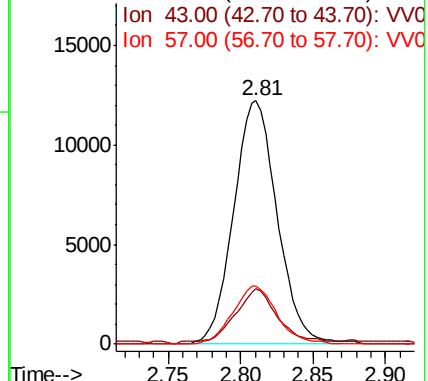
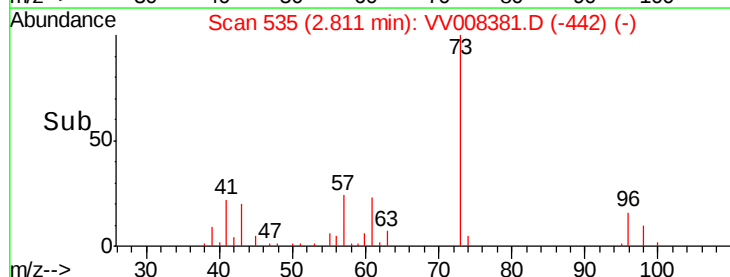
73 100

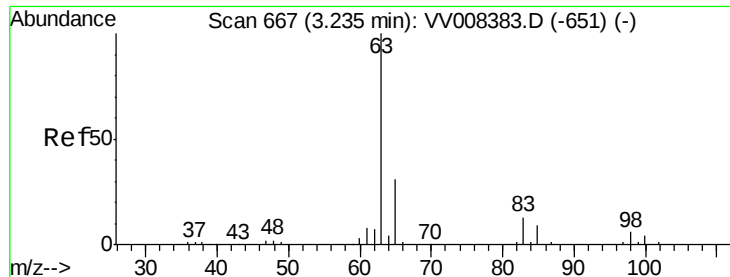
43 20.0 16.2 24.4

57 23.9 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV008381.D (-442) (-)

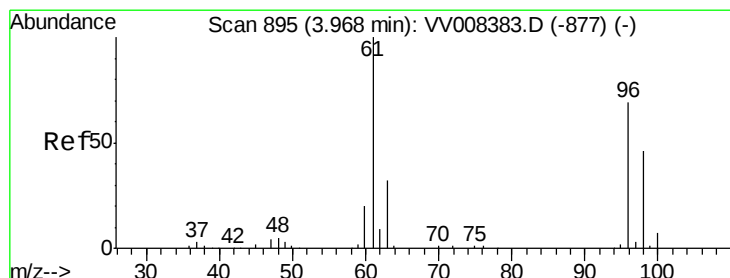
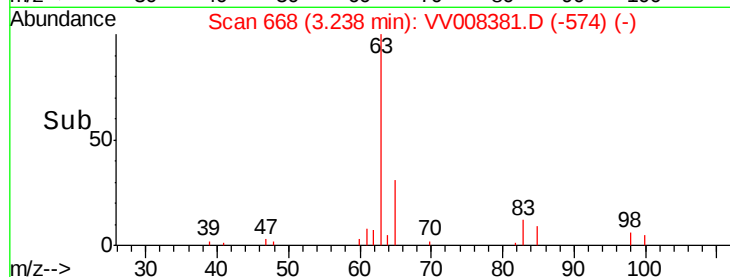
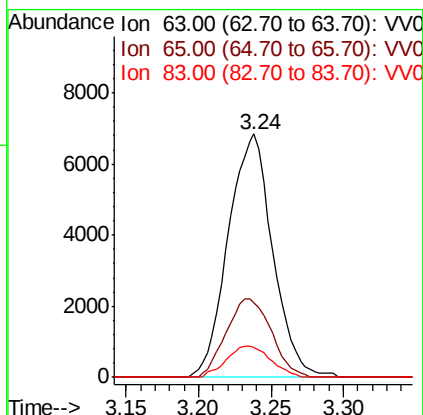
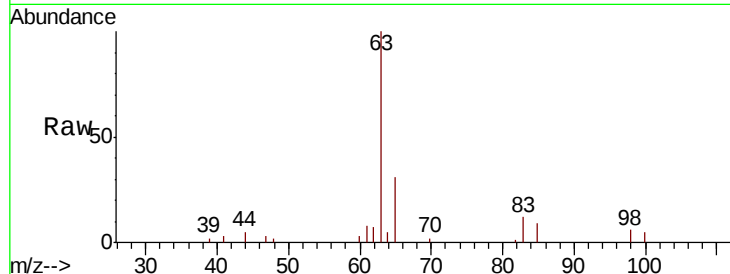




#19
 1,1-Dichloroethane
 Concen: 5.202 ug/L
 RT: 3.24 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

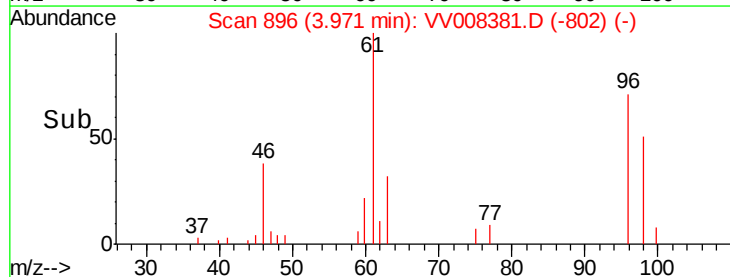
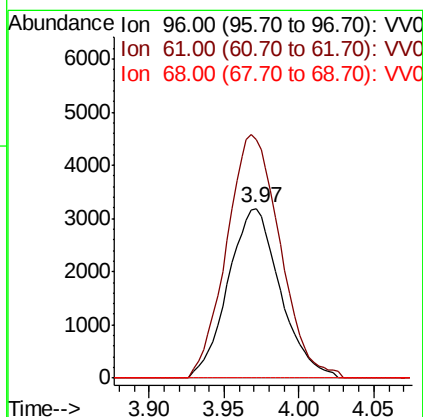
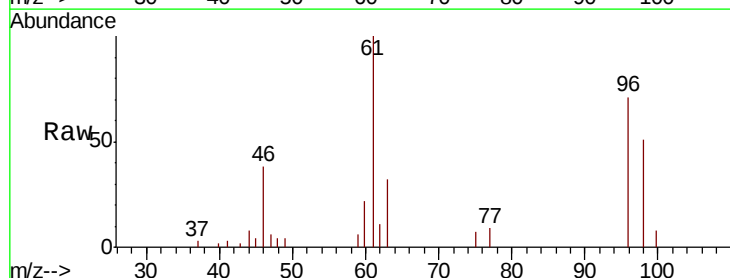
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

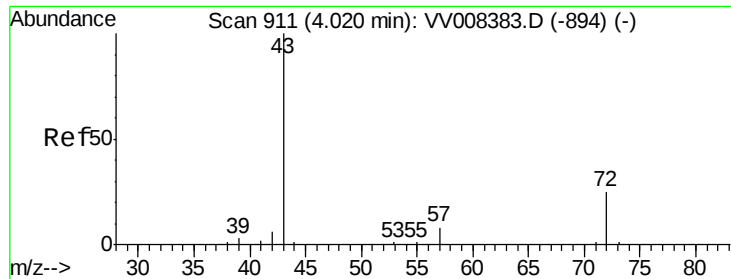
Tgt Ion: 63 Resp: 14602
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 40.8
 83 12.1 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 4.805 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion: 96 Resp: 7726
 Ion Ratio Lower Upper
 96 100
 61 140.8 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.923 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

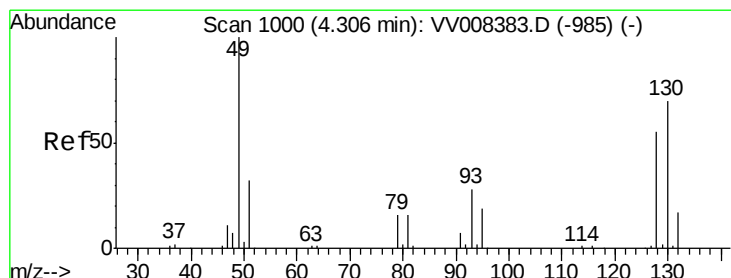
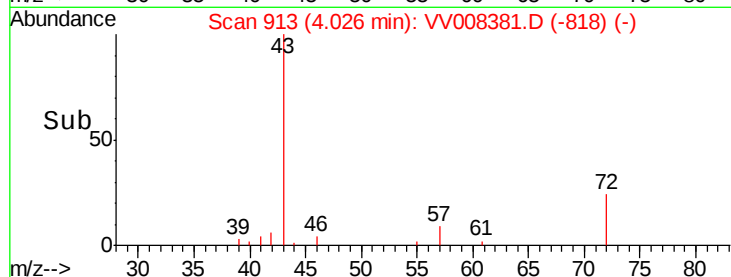
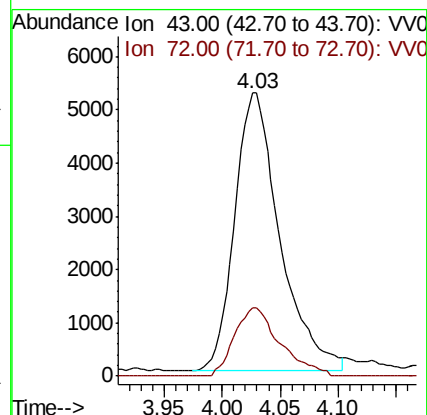
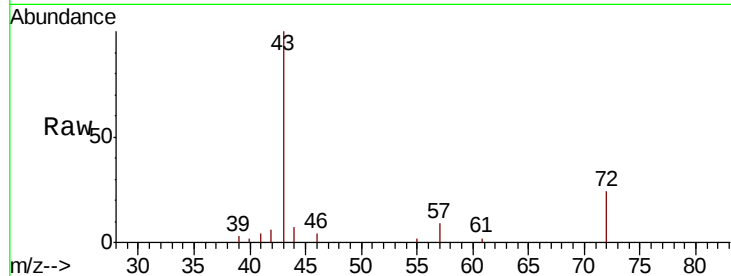
VSTD00551

Tgt Ion: 43 Resp: 14111

Ion Ratio Lower Upper

43 100

72 24.9 13.0 38.9



#23

Bromochloromethane

Concen: 5.255 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Tgt Ion: 128 Resp: 3850

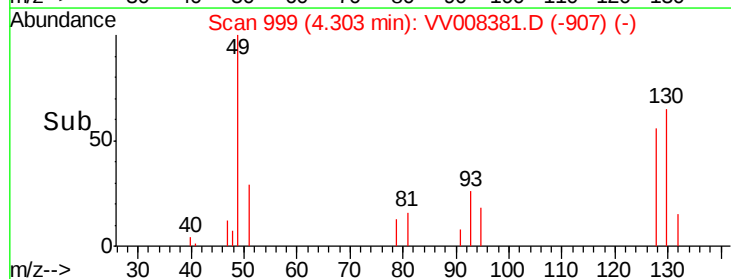
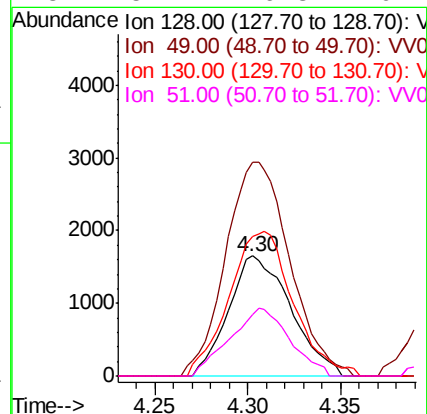
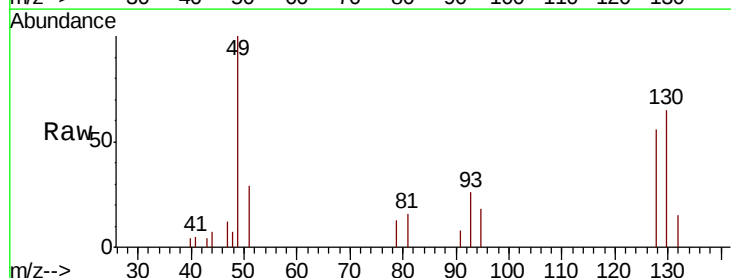
Ion Ratio Lower Upper

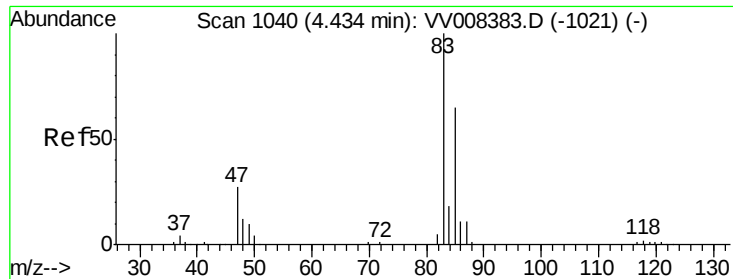
128 100

49 178.1 128.0 237.8

130 116.0 89.2 165.8

51 51.4 46.8 70.2

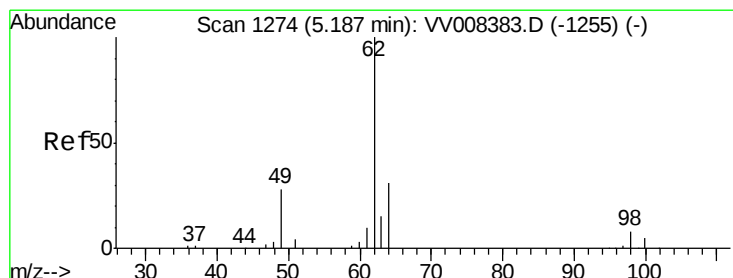
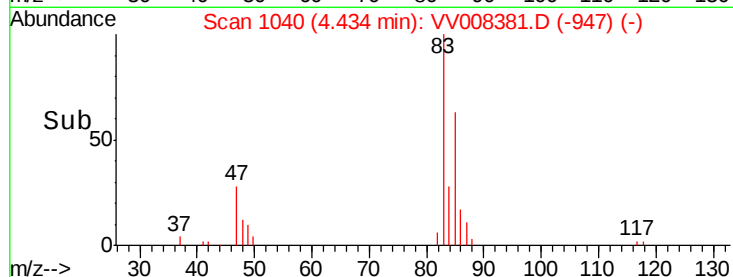
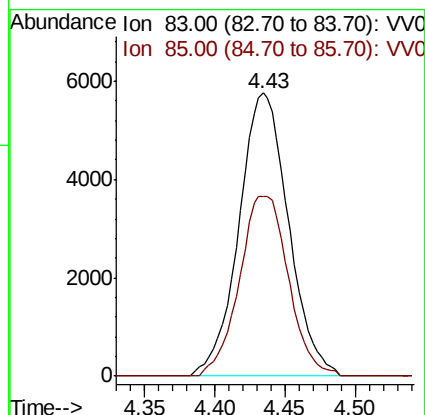
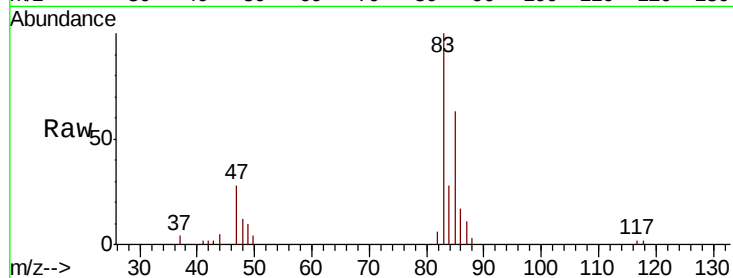




#25
Chloroform
Concen: 5.123 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

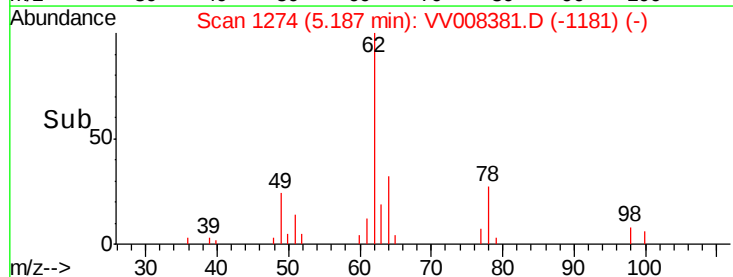
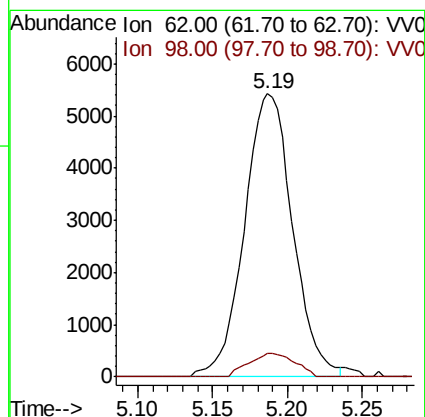
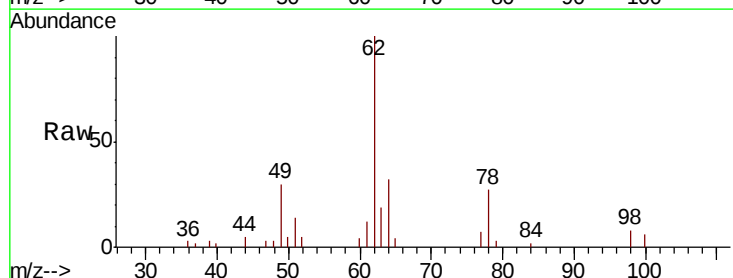
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

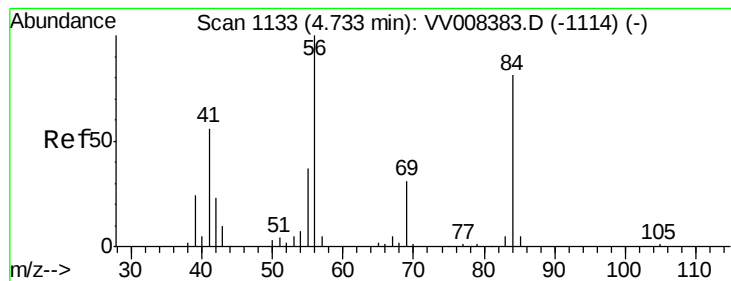
Tgt Ion: 83 Resp: 14157
Ion Ratio Lower Upper
83 100
85 63.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.295 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Tgt Ion: 62 Resp: 12182
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8





#29

Cyclohexane

Concen: 5.206 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

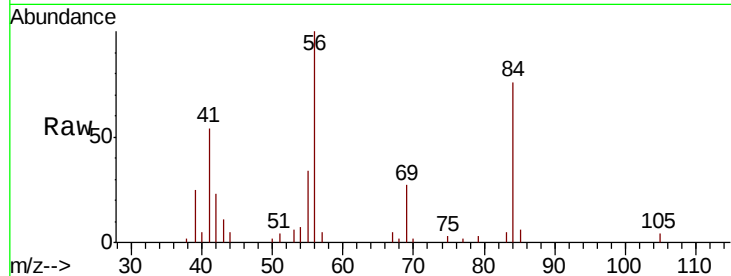
Tgt Ion: 56 Resp: 14044

Ion Ratio Lower Upper

56 100

69 30.2 24.6 37.0

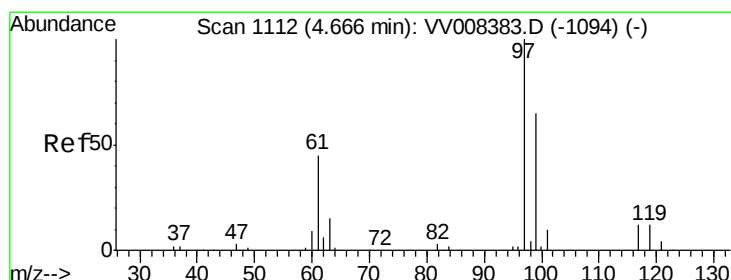
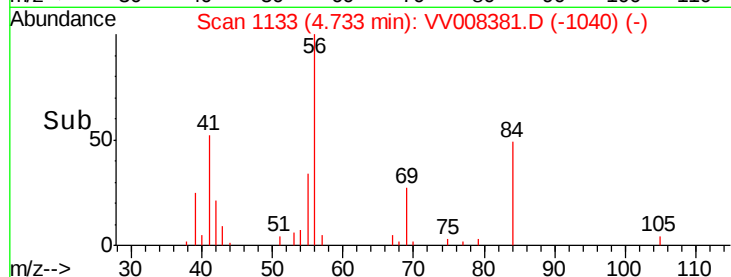
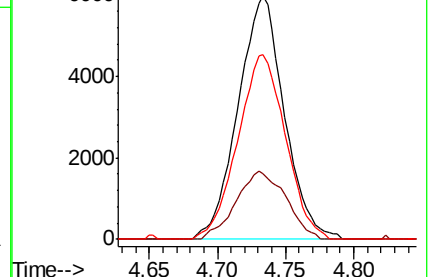
84 78.5 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VV008381.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VV008381.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VV008381.D (-1114) (-)



#30

1,1,1-Trichloroethane

Concen: 5.119 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

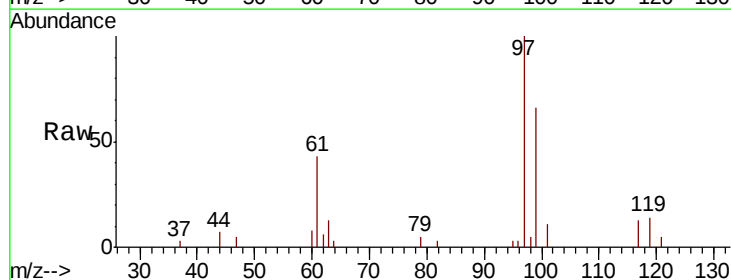
Tgt Ion: 97 Resp: 12185

Ion Ratio Lower Upper

97 100

99 64.6 51.6 77.4

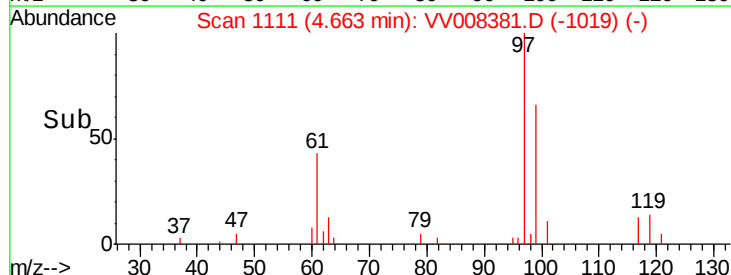
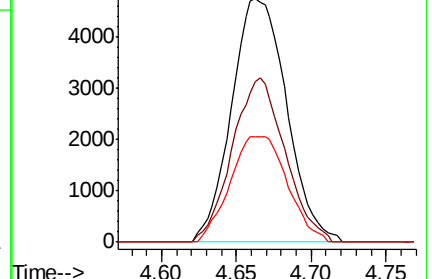
61 45.0 36.5 54.7

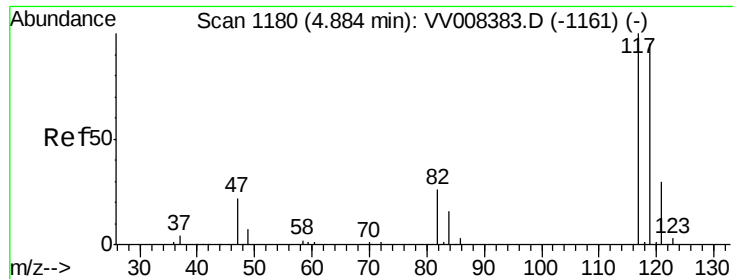


Abundance Ion 97.00 (96.70 to 97.70): VV008381.D (-1094) (-)

Ion 99.00 (98.70 to 99.70): VV008381.D (-1094) (-)

Ion 61.05 (60.75 to 61.75): VV008381.D (-1094) (-)





#31

Carbon tetrachloride

Concen: 5.127 ug/L

RT: 4.88 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

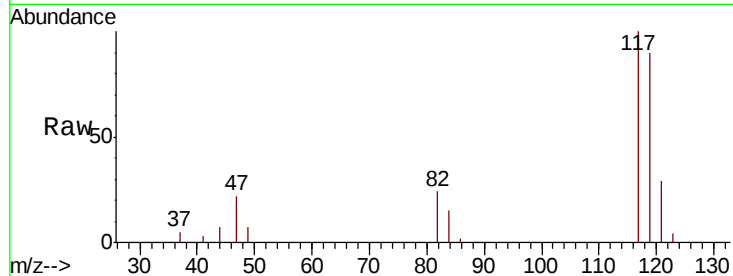
VSTD00551

Tgt Ion:117 Resp: 10254

Ion Ratio Lower Upper

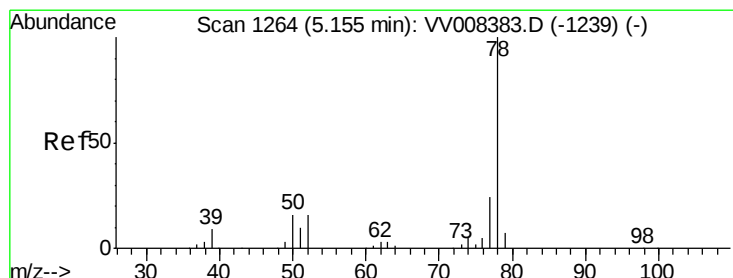
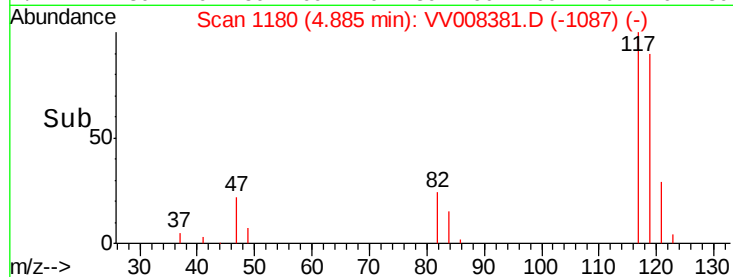
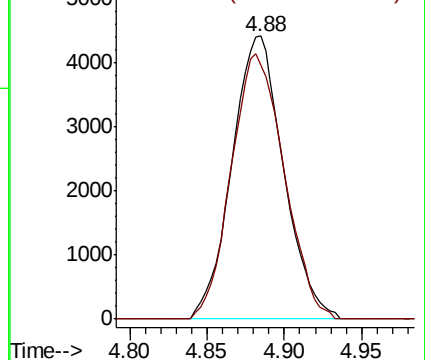
117 100

119 95.9 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 5.174 ug/L

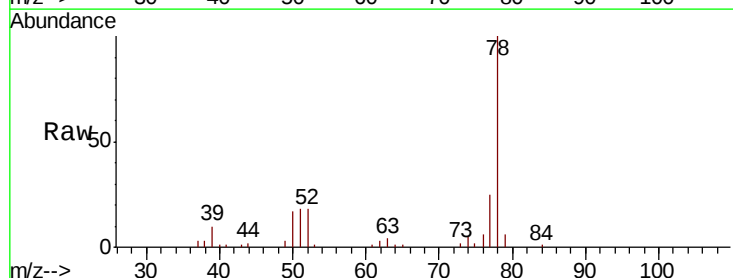
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

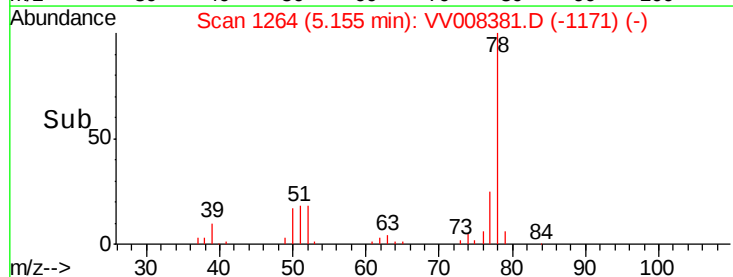
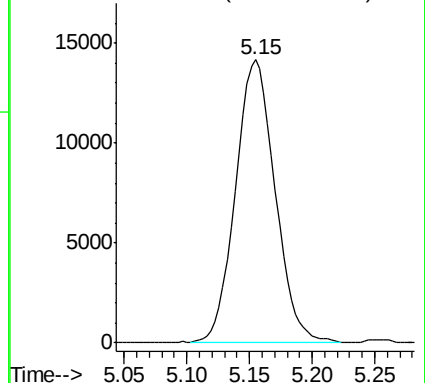
Lab File: VV008381.D

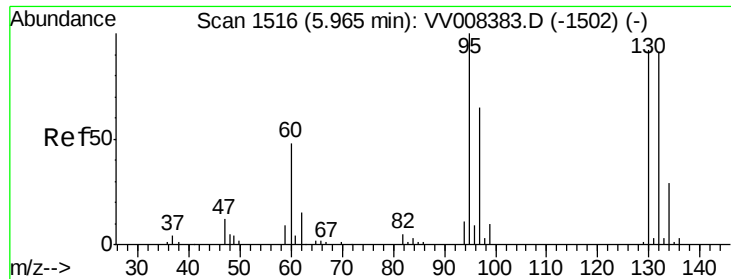
Acq: 23 Oct 2018 18:01

Tgt Ion: 78 Resp: 31176



Abundance Ion 78.00 (77.70 to 78.70): VV0

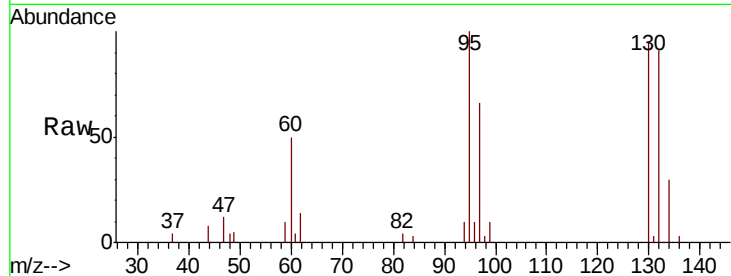




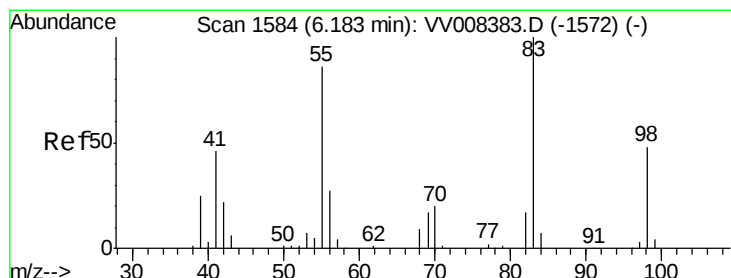
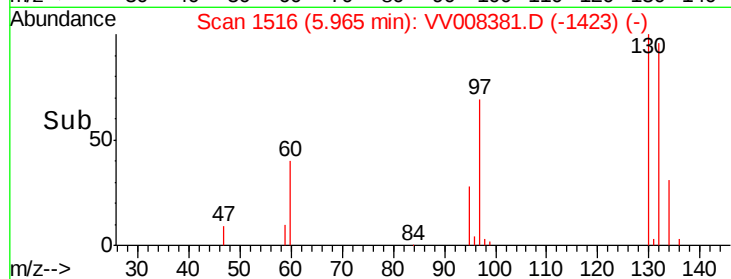
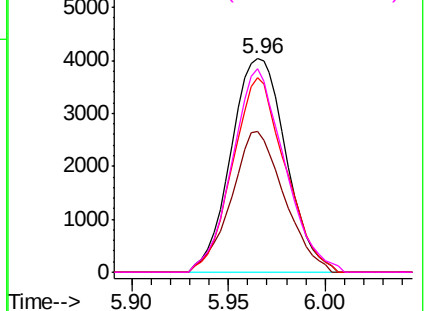
#34
 Trichloroethene
 Concen: 4.612 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion: 95 Resp: 8018
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.2 84.0
 132 91.3 63.8 118.6
 130 95.4 64.7 120.1

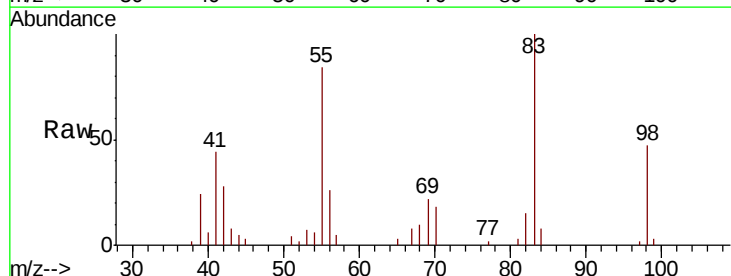


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

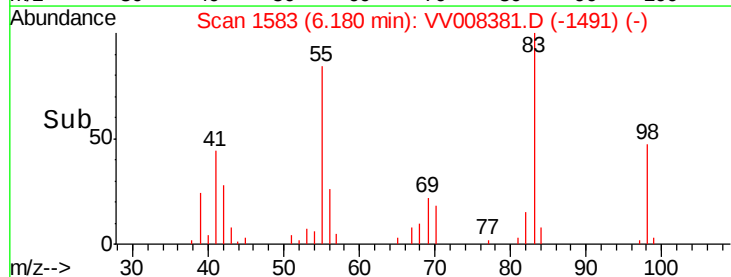
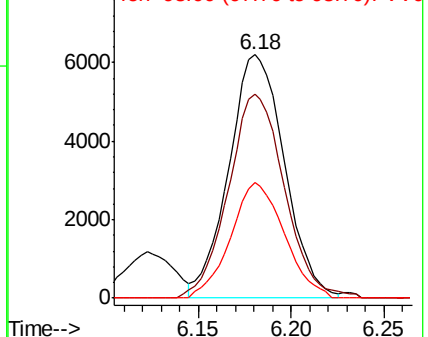


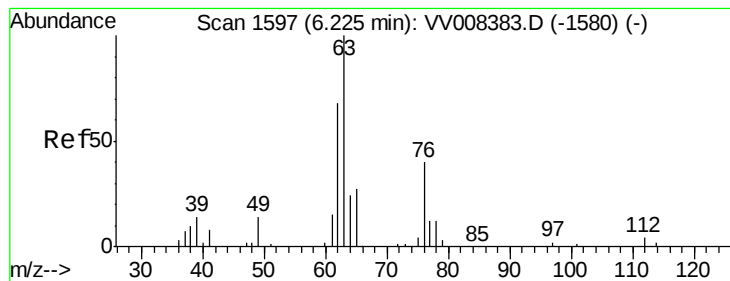
#35
 Methylcyclohexane
 Concen: 4.895 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion: 83 Resp: 12920
 Ion Ratio Lower Upper
 83 100
 55 84.5 65.0 97.4
 98 45.9 36.0 54.0



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





#37

1,2-Dichloropropane

Concen: 5.152 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

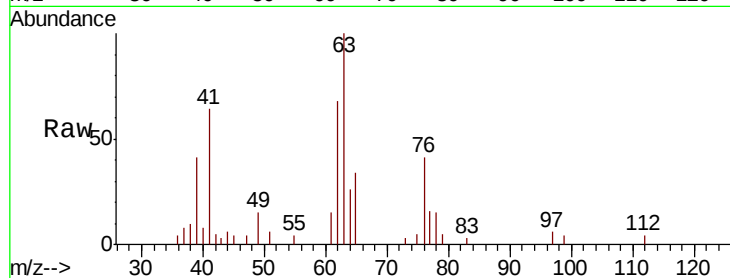
VSTD00551

Tgt Ion: 63 Resp: 8491

Ion Ratio Lower Upper

63 100

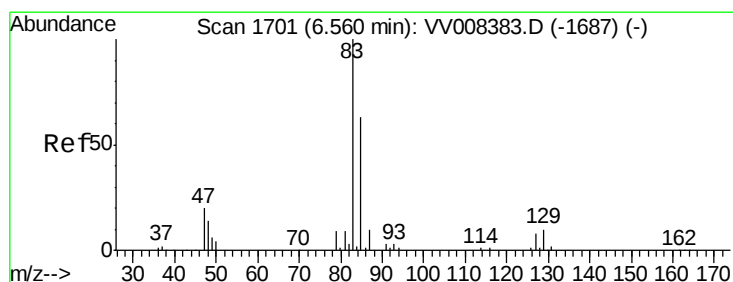
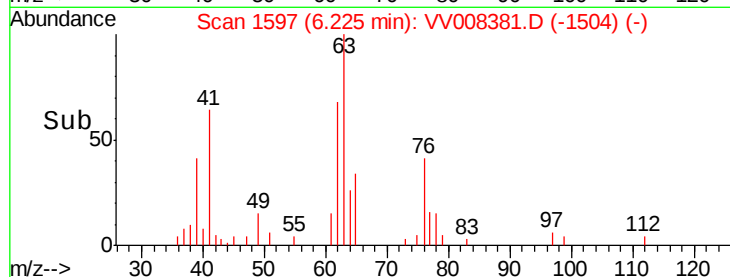
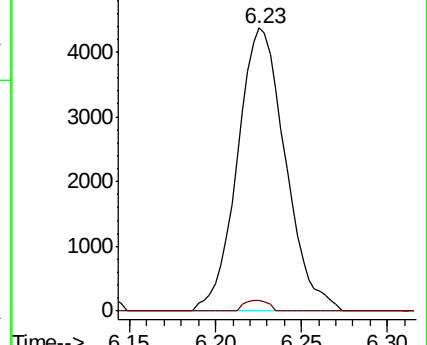
112 1.9 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VV008381.D (-1580) (-)

Ion 112.00 (111.70 to 112.70): VV008381.D (-1580) (-)

6.23



#38

Bromodichloromethane

Concen: 5.184 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

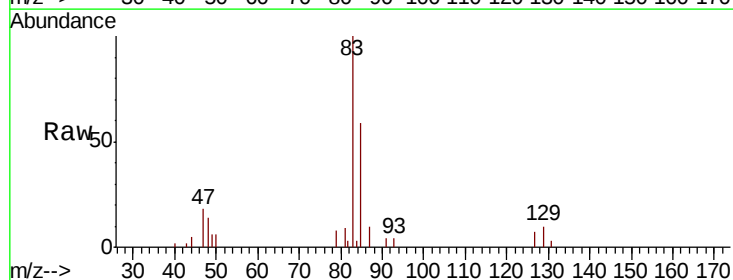
Tgt Ion: 83 Resp: 10822

Ion Ratio Lower Upper

83 100

85 59.5 44.3 82.3

127 7.3 6.3 9.5

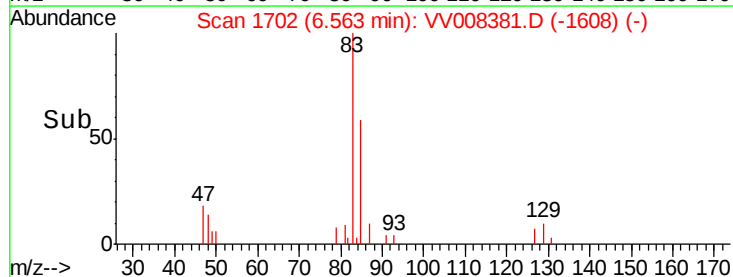
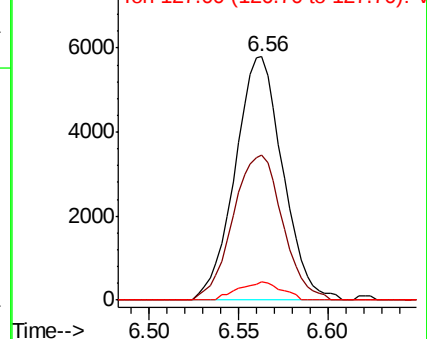


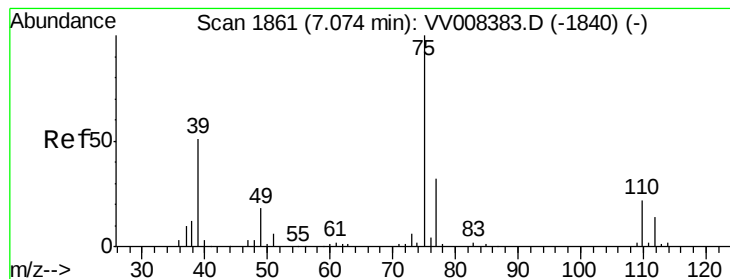
Abundance Ion 83.00 (82.70 to 83.70): VV008381.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV008381.D (-1687) (-)

Ion 127.00 (126.70 to 127.70): VV008381.D (-1687) (-)

6.56



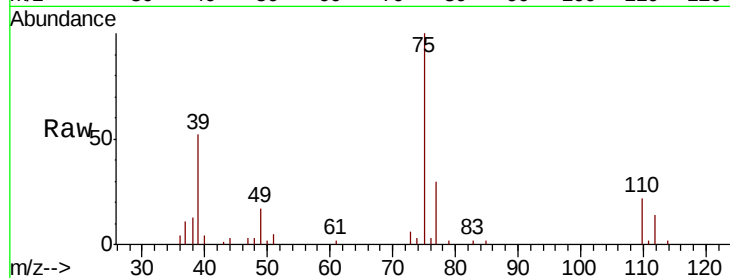


#39

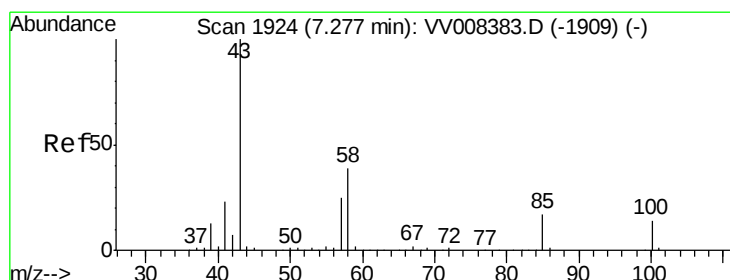
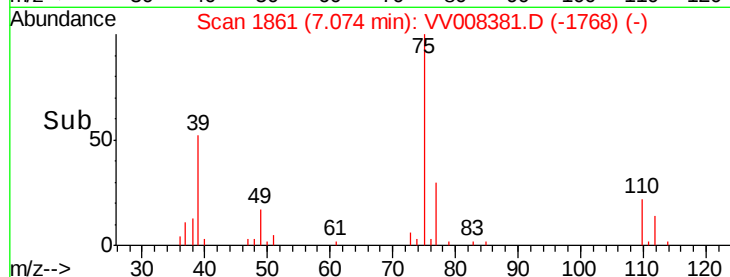
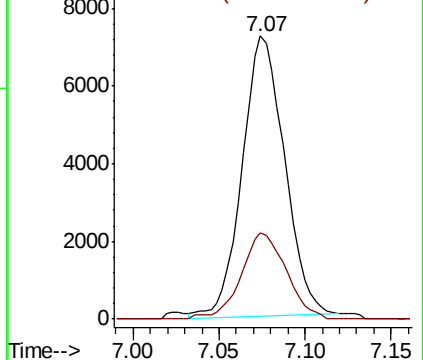
cis-1,3-Dichloropropene
 Concen: 4.756 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion: 75 Resp: 12335
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.6 42.0



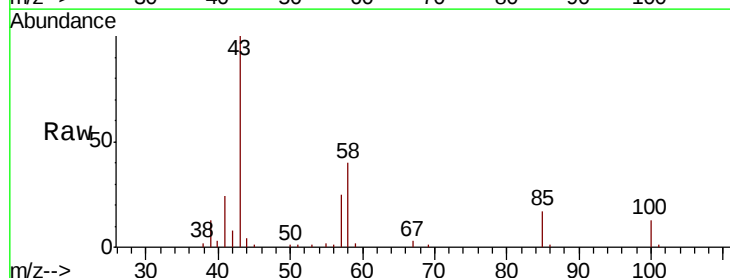
Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0



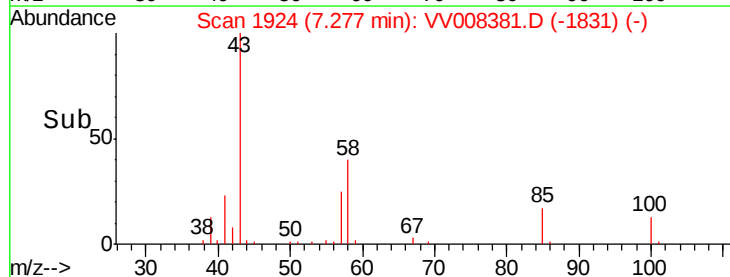
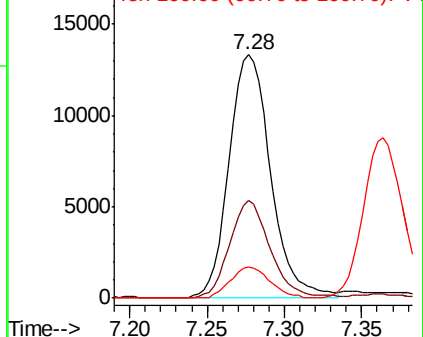
#40

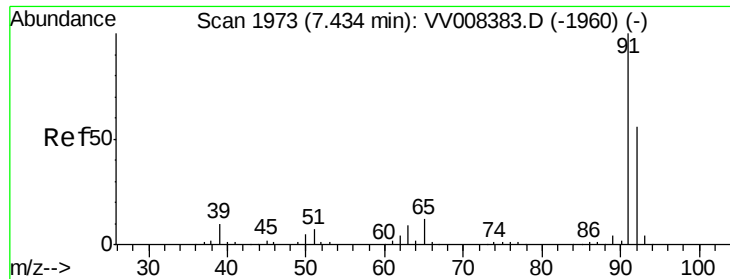
4-Methyl-2-pentanone
 Concen: 10.378 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion: 43 Resp: 25072
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.9 46.3
 100 12.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 58.00 (57.70 to 58.70): VV0
 Ion 100.00 (99.70 to 100.70): VV0





#42

Toluene

Concen: 5.099 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

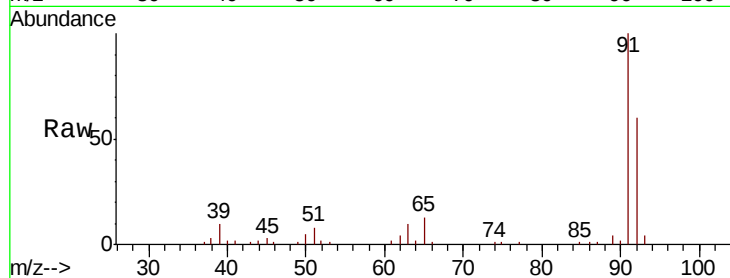
VSTD00551

Tgt Ion: 91 Resp: 31760

Ion Ratio Lower Upper

91 100

92 59.5 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008381.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV008381.D (-1960) (-)

7.44

20000

15000

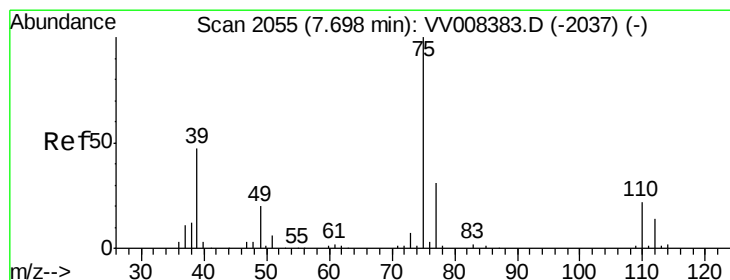
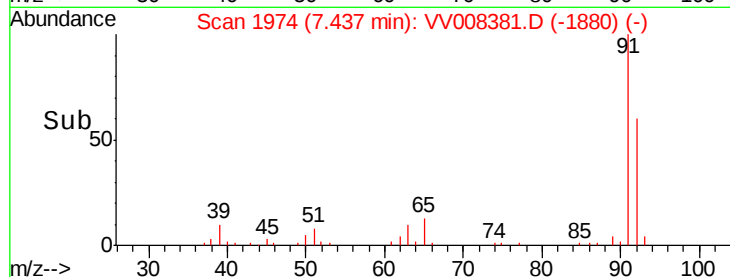
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 4.988 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008381.D

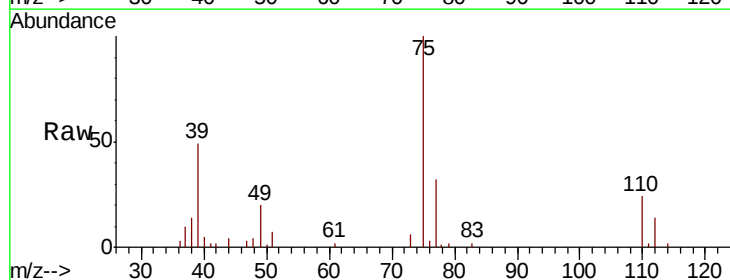
Acq: 23 Oct 2018 18:01

Tgt Ion: 75 Resp: 11970

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008381.D (-1962) (-)

Ion 77.00 (76.70 to 77.70): VV008381.D (-1962) (-)

7.70

8000

6000

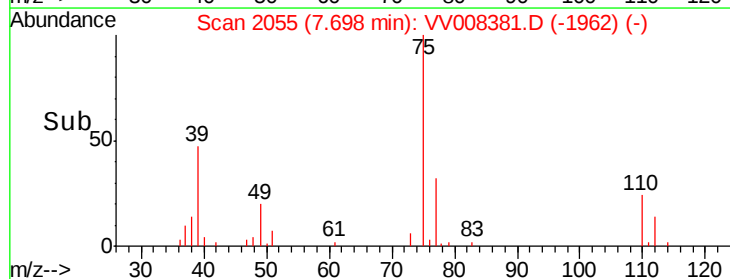
4000

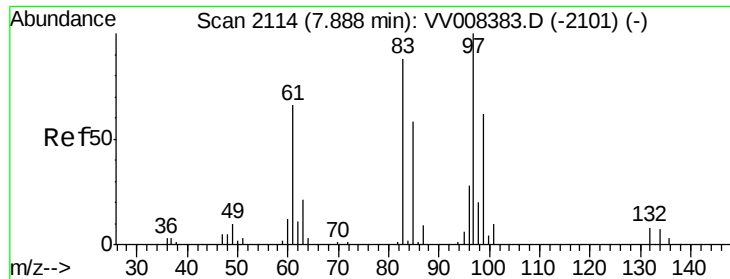
2000

0

Time-->

7.65 7.70 7.75

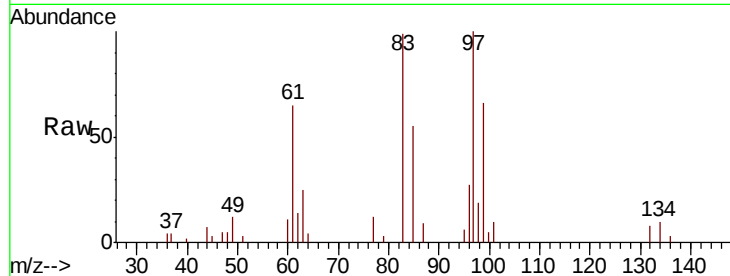




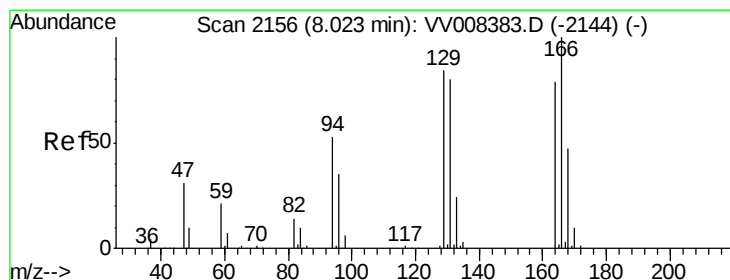
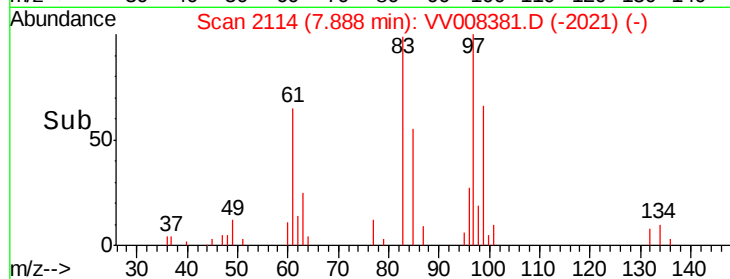
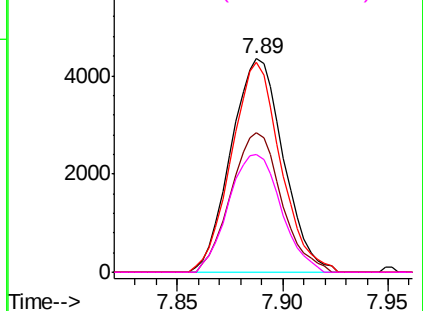
#45
 1,1,2-Trichloroethane
 Concen: 5.211 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion:	97	Resp:	7503
Ion	Ratio	Lower	Upper
97	100		
99	65.5	43.3	80.3
83	98.5	61.9	114.9
85	55.2	40.9	75.9

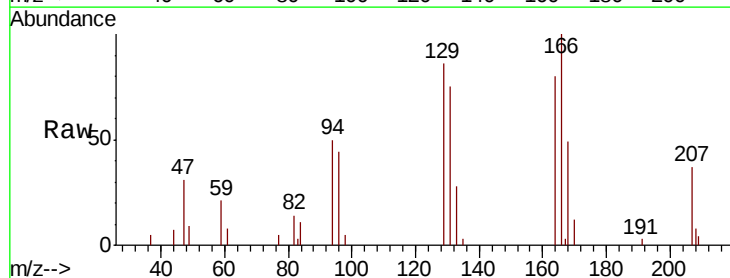


Abundance Ion 97.00 (96.70 to 97.70): VV008381.D (-2101) (-)
 Ion 99.00 (98.70 to 99.70): VV008381.D (-2101) (-)
 Ion 83.00 (82.70 to 83.70): VV008381.D (-2101) (-)
 Ion 85.00 (84.70 to 85.70): VV008381.D (-2101) (-)

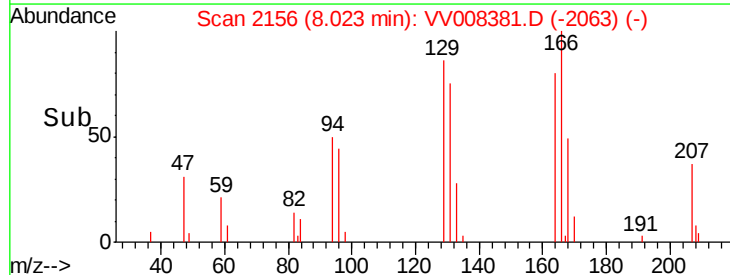
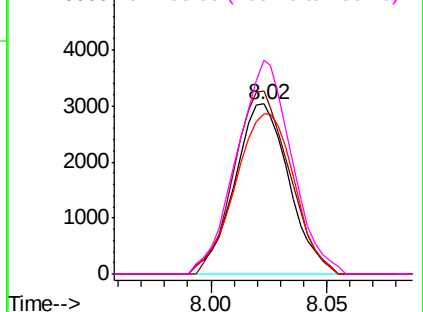


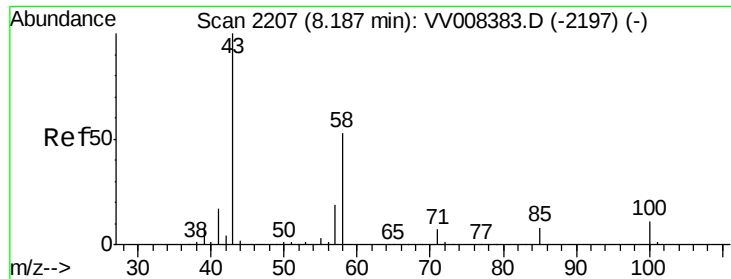
#46
 Tetrachloroethene
 Concen: 4.923 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion:	164	Resp:	4965
Ion	Ratio	Lower	Upper
164	100		
129	107.6	75.0	139.2
131	94.3	71.3	132.3
166	125.7	89.2	165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008381.D (-2144) (-)
 Ion 129.00 (128.70 to 129.70): VV008381.D (-2144) (-)
 Ion 131.00 (130.70 to 131.70): VV008381.D (-2144) (-)
 Ion 166.00 (165.70 to 166.70): VV008381.D (-2144) (-)

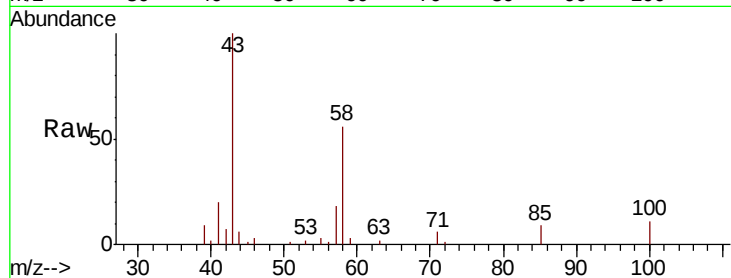




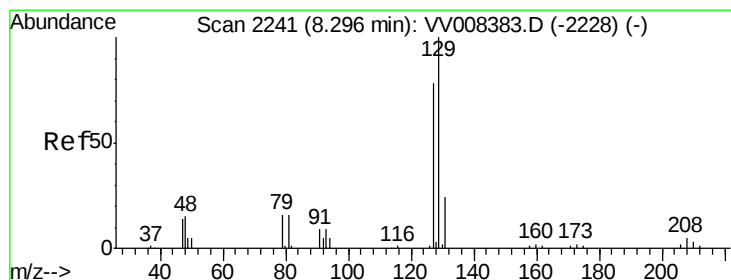
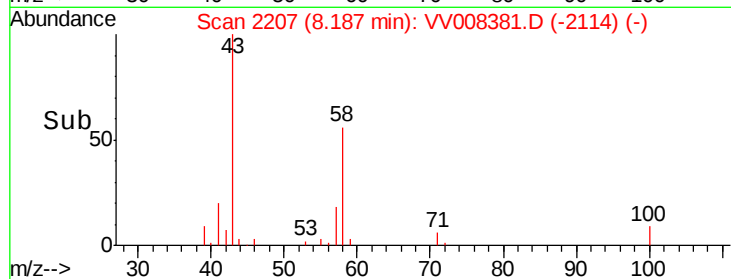
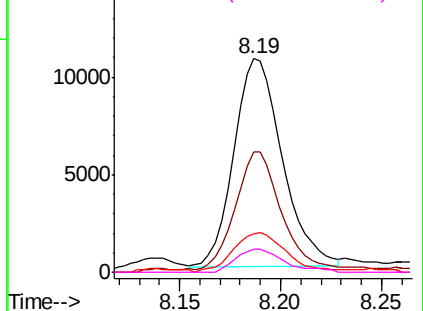
#48
2-Hexanone
Concen: 9.308 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:	43	Resp:	17917
Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.6	63.8
57	20.8	14.8	22.2
100	10.9	8.5	12.7

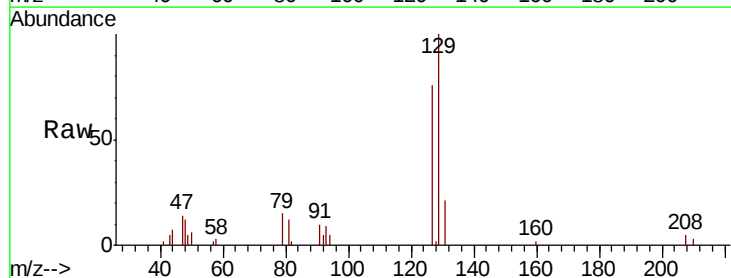


Abundance Ion 43.00 (42.70 to 43.70): VV008383.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV008383.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV008383.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV008383.D (-2197) (-)

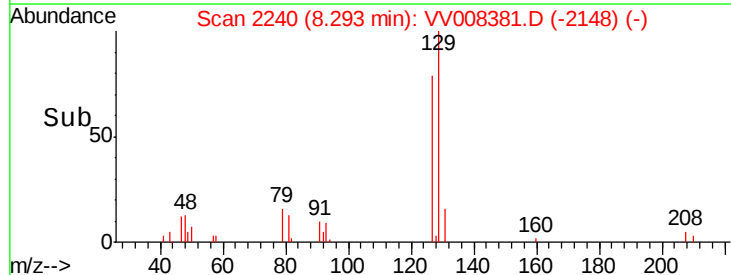
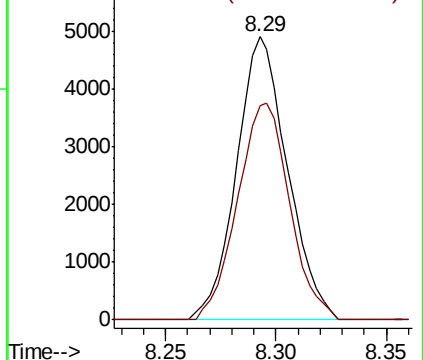


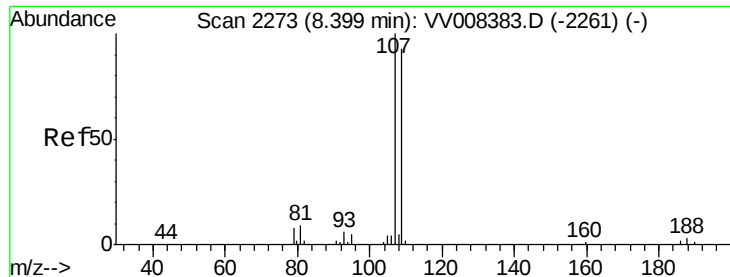
#49
Dibromochloromethane
Concen: 5.172 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Tgt Ion:	129	Resp:	7855
Ion	Ratio	Lower	Upper
129	100		
127	75.5	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008383.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV008383.D (-2228) (-)

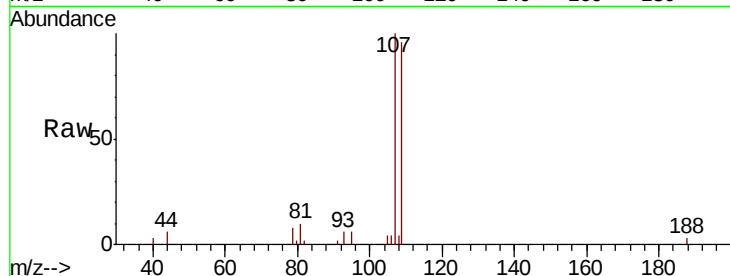




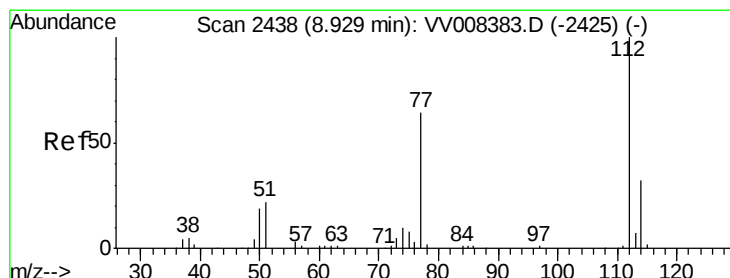
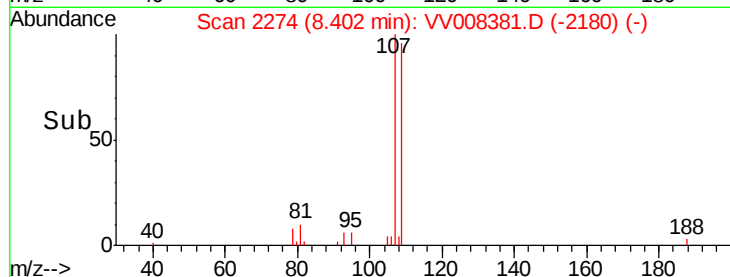
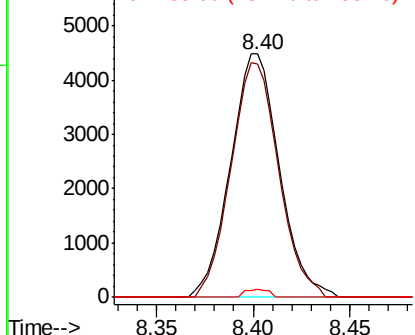
#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:107 Resp: 7872
Ion Ratio Lower Upper
107 100
109 95.9 65.2 121.2
188 3.1 2.3 3.5

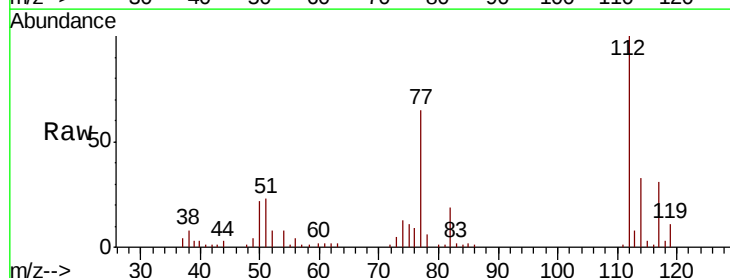


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

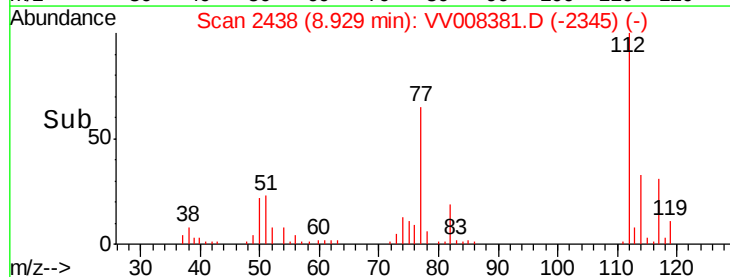
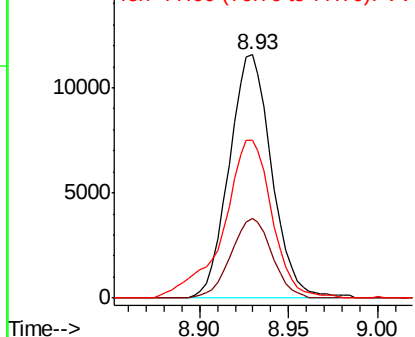


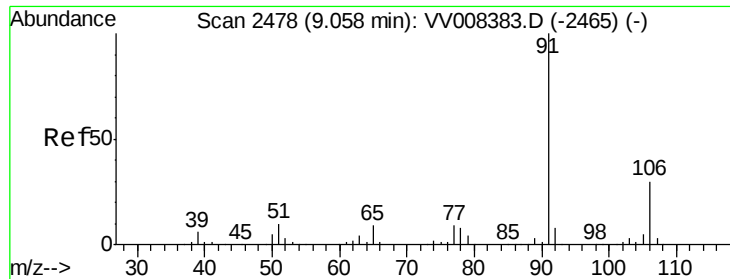
#51
Chlorobenzene
Concen: 5.024 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Tgt Ion:112 Resp: 19241
Ion Ratio Lower Upper
112 100
114 32.8 22.5 41.7
77 64.8 52.0 78.0



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





#52

Ethylbenzene

Concen: 5.039 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

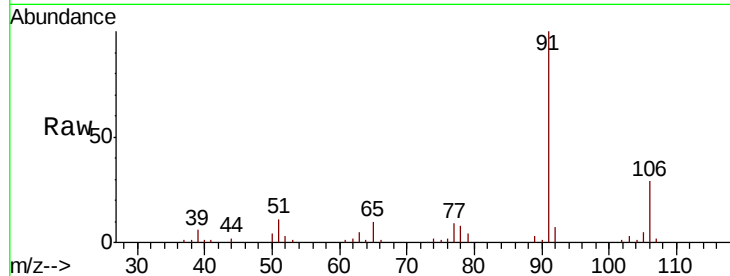
VSTD00551

Tgt Ion: 91 Resp: 34656

Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008383.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008383.D (-2465) (-)

9.06

25000

20000

15000

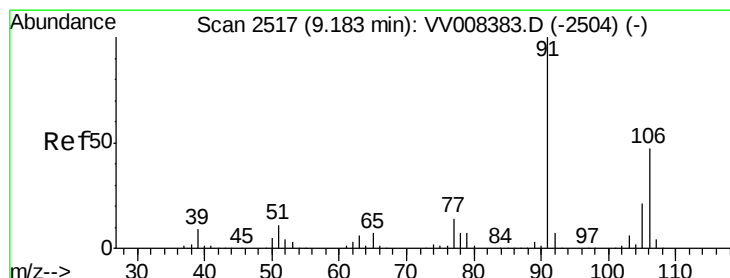
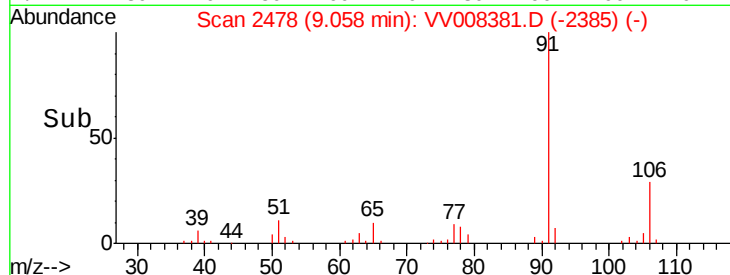
10000

5000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 5.081 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008381.D

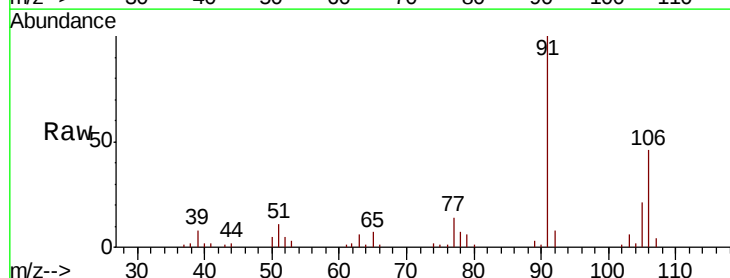
Acq: 23 Oct 2018 18:01

Tgt Ion: 106 Resp: 12634

Ion Ratio Lower Upper

106 100

91 219.6 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008383.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008383.D (-2504) (-)

9.18

15000

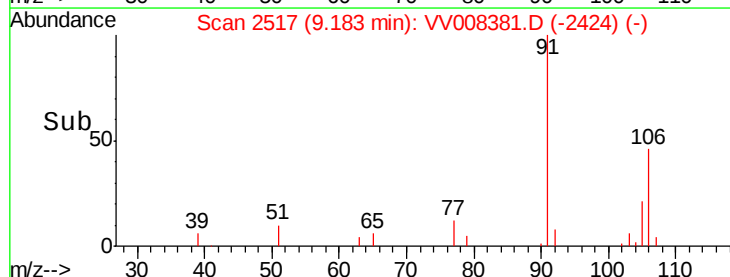
10000

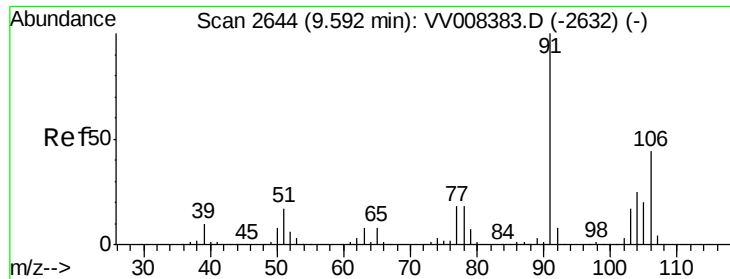
5000

0

Time-->

9.15 9.20 9.25

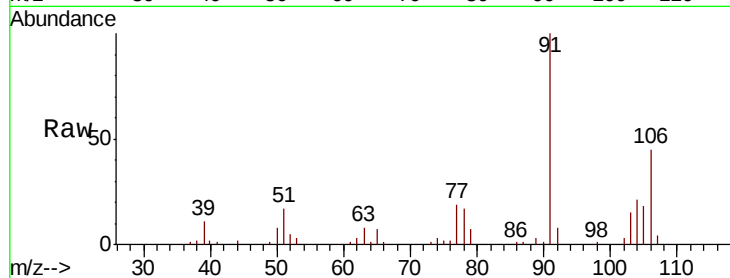




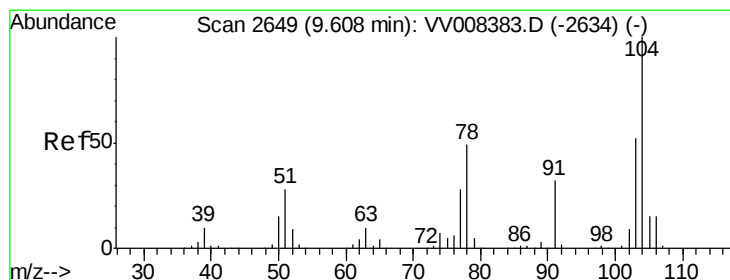
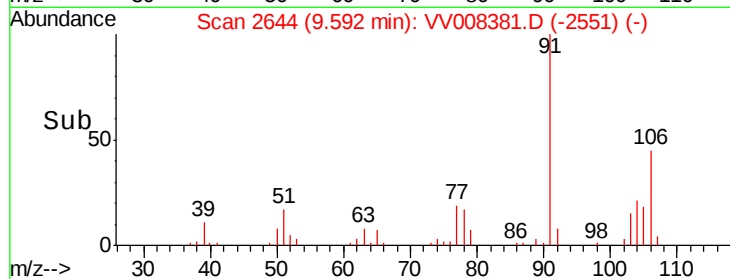
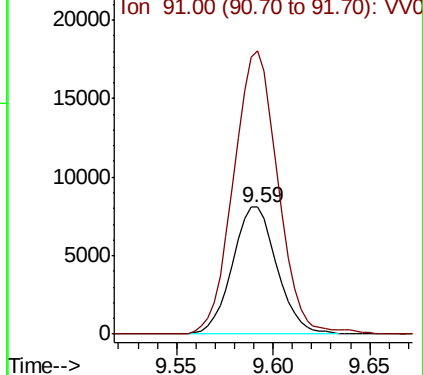
#54
o-xylene
Concen: 5.305 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:106 Resp: 12997
Ion Ratio Lower Upper
106 100
91 222.6 158.7 294.7

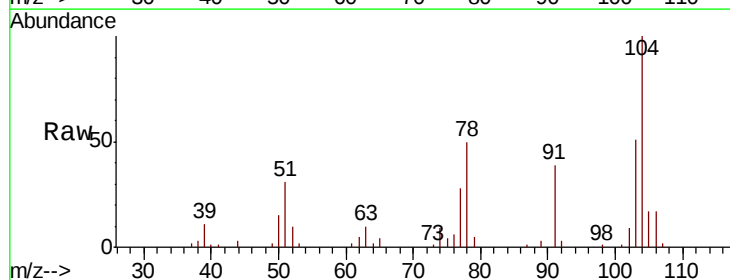


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

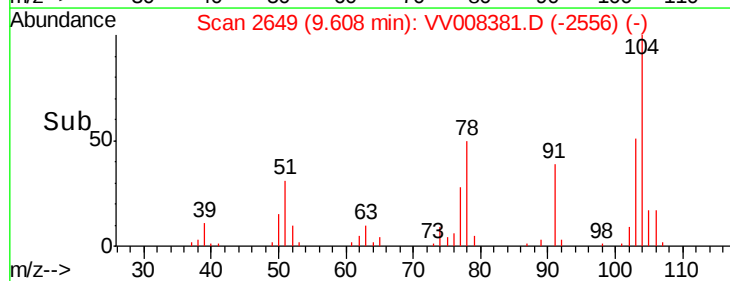
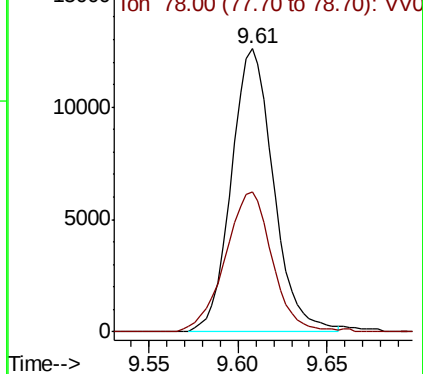


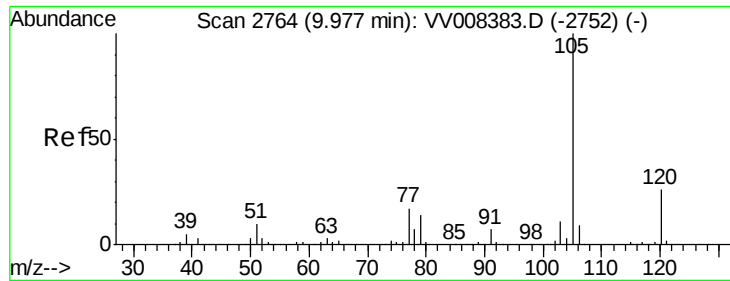
#55
Styrene
Concen: 5.042 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008381.D
Acq: 23 Oct 2018 18:01

Tgt Ion:104 Resp: 20734
Ion Ratio Lower Upper
104 100
78 49.7 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.964 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

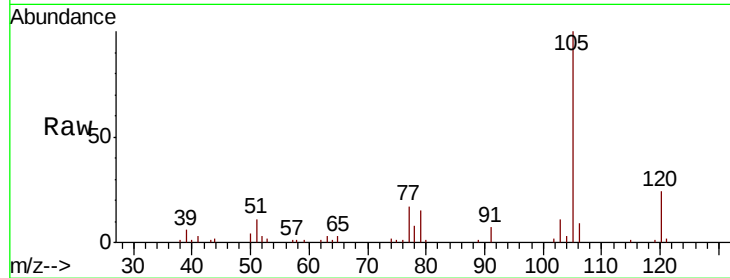
Tgt Ion:105 Resp: 32396

Ion Ratio Lower Upper

105 100

120 25.4 20.7 31.1

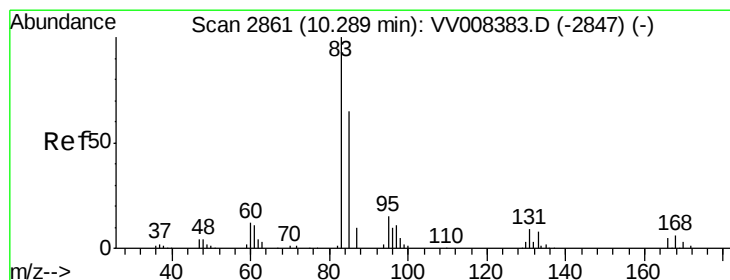
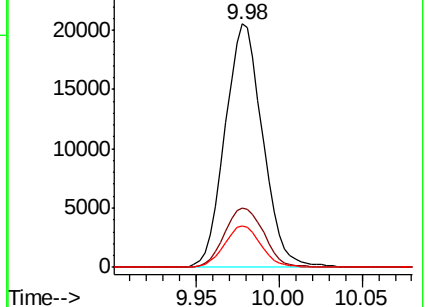
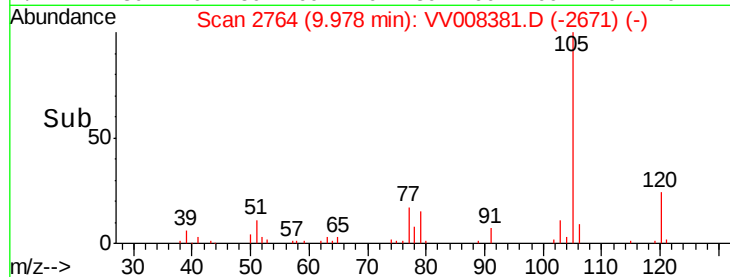
77 16.5 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): VV008381.D (-2752) (-)

Ion 120.00 (119.70 to 120.70): VV008381.D (-2752) (-)

Ion 77.00 (76.70 to 77.70): VV008381.D (-2752) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 6.246 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

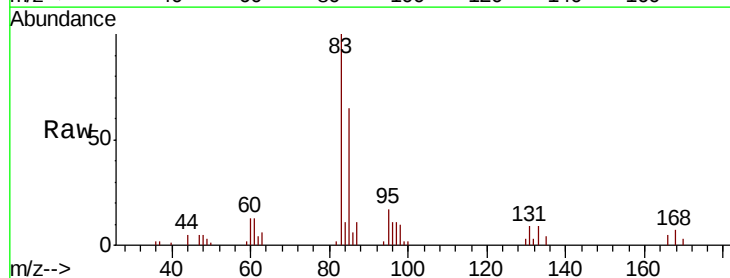
Tgt Ion: 83 Resp: 12935

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2

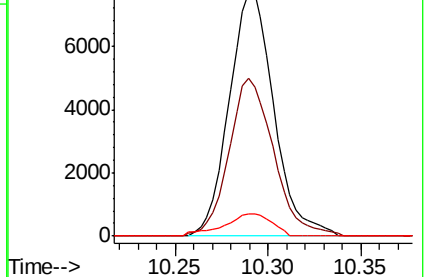
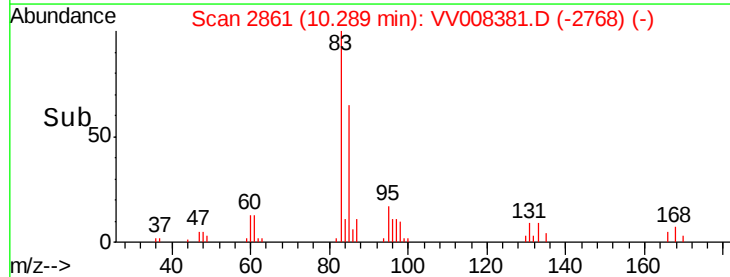
131 8.9 7.3 10.9

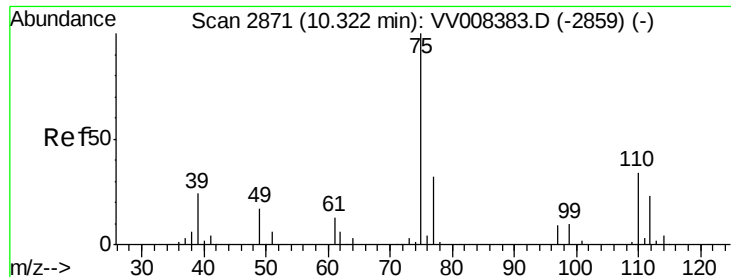


Abundance Ion 83.00 (82.70 to 83.70): VV008381.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008381.D (-2768) (-)

Ion 131.00 (130.70 to 131.70): VV008381.D (-2768) (-)

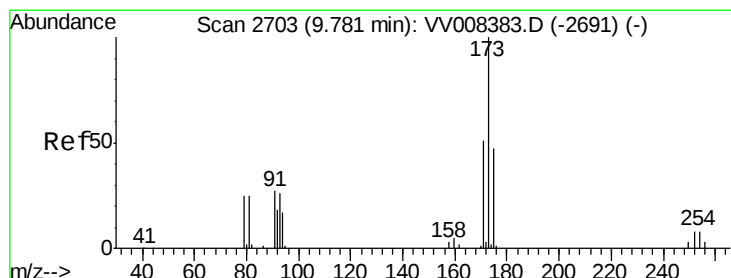
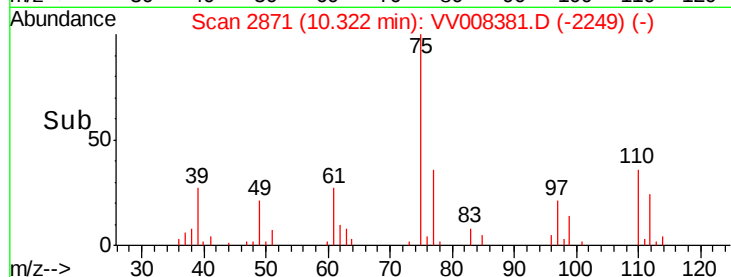
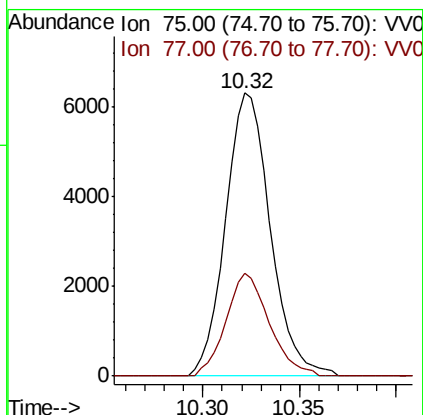
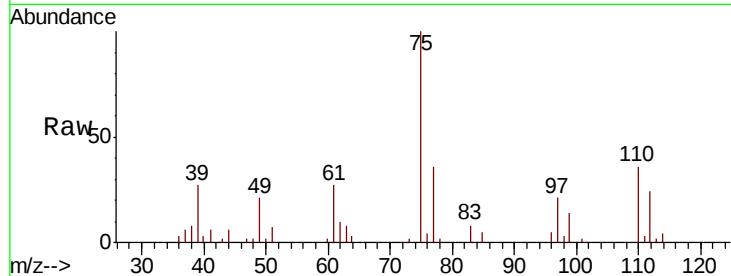




#59
 1,2,3-Trichloropropane
 Concen: 5.110 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

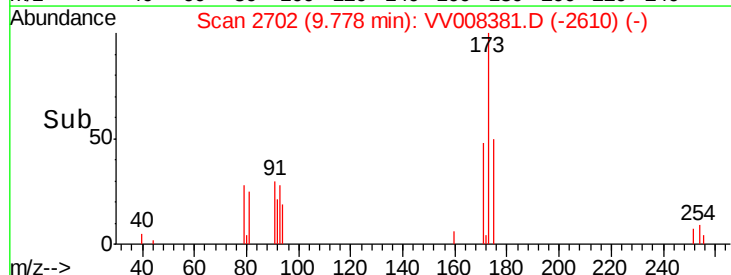
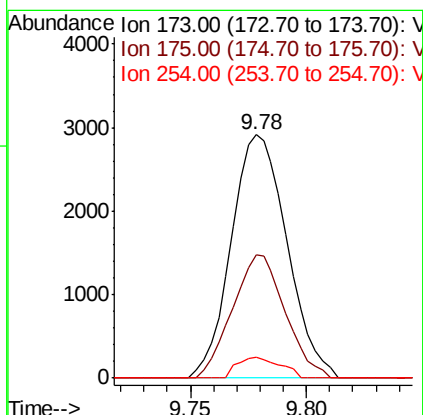
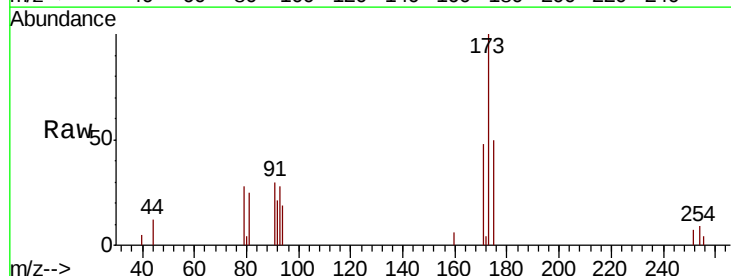
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

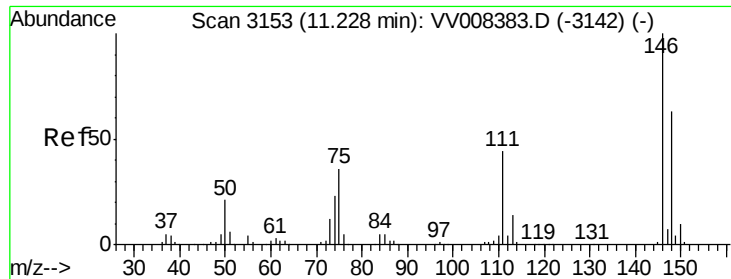
Tgt Ion: 75 Resp: 10168
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.8 38.8



#61
 Bromoform
 Concen: 5.378 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion: 173 Resp: 4862
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.6 57.8
 254 6.6 5.9 8.9

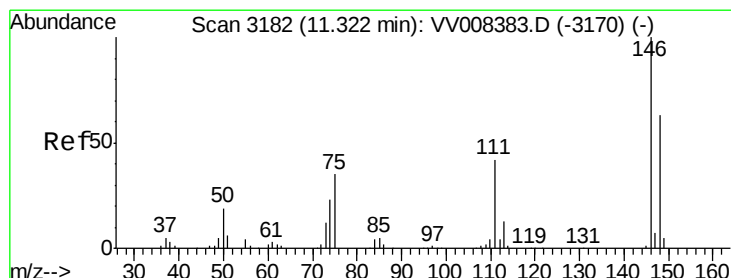
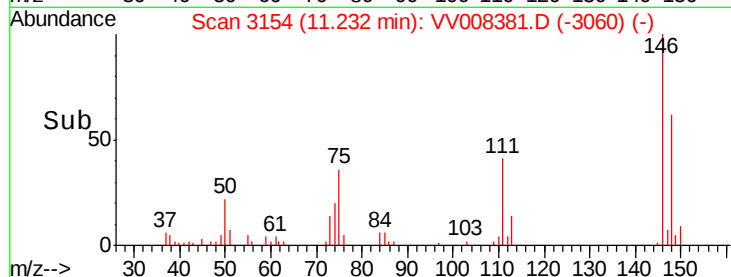
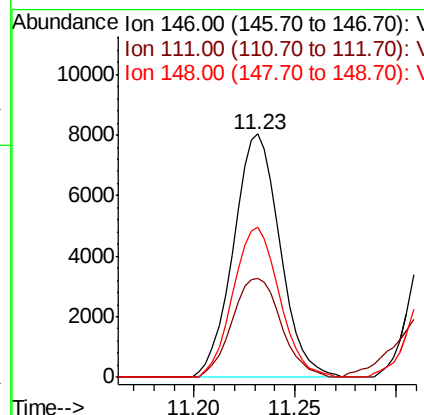
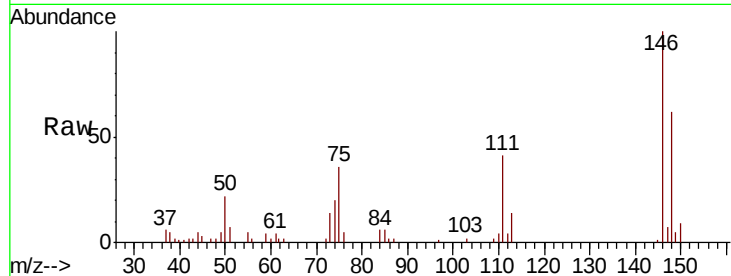




#62
 1,3-Dichlorobenzene
 Concen: 5.176 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

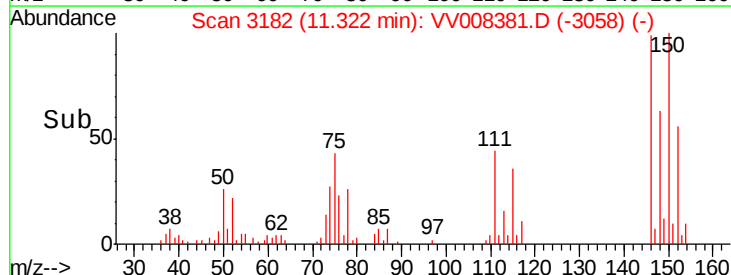
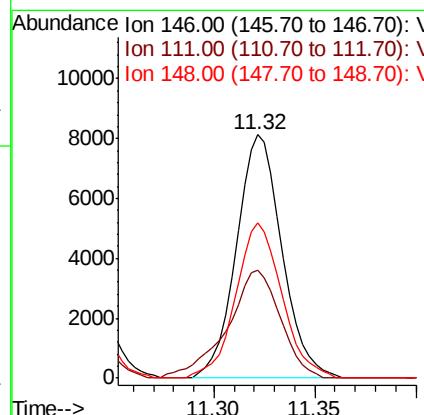
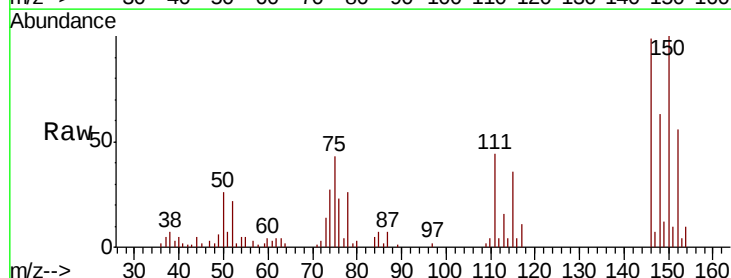
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

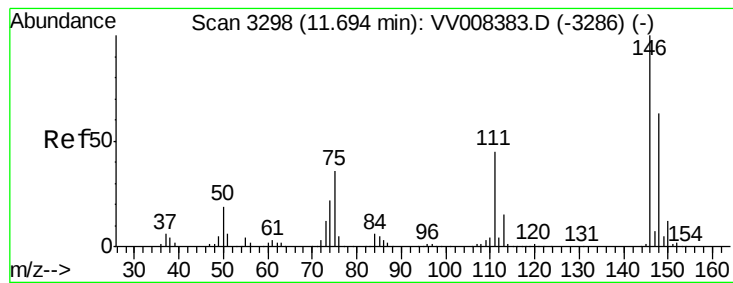
Tgt Ion:146 Resp: 12983
 Ion Ratio Lower Upper
 146 100
 111 40.5 30.9 57.3
 148 61.5 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 5.092 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion:146 Resp: 12857
 Ion Ratio Lower Upper
 146 100
 111 44.1 29.8 55.4
 148 63.8 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 5.235 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

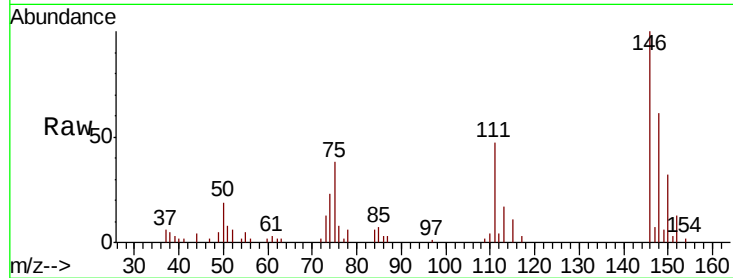
Tgt Ion:146 Resp: 13383

Ion Ratio Lower Upper

146 100

111 47.3 36.2 54.2

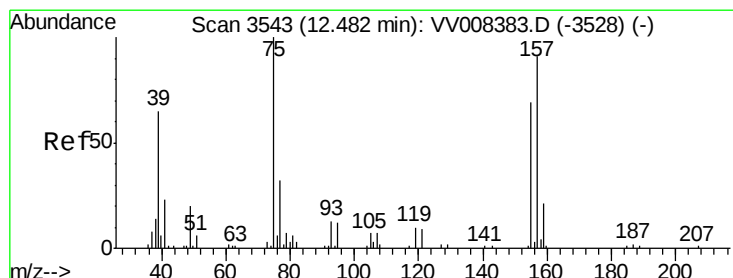
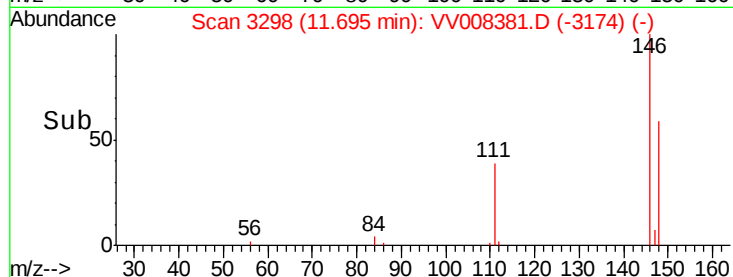
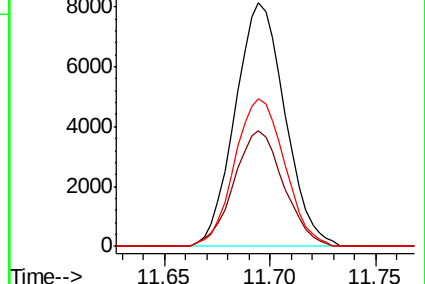
148 60.5 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.389 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

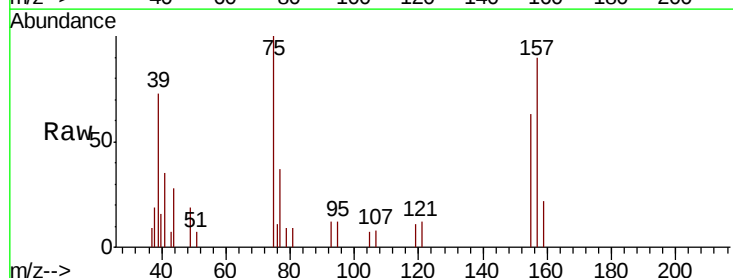
Tgt Ion: 75 Resp: 2627

Ion Ratio Lower Upper

75 100

155 63.1 55.4 83.0

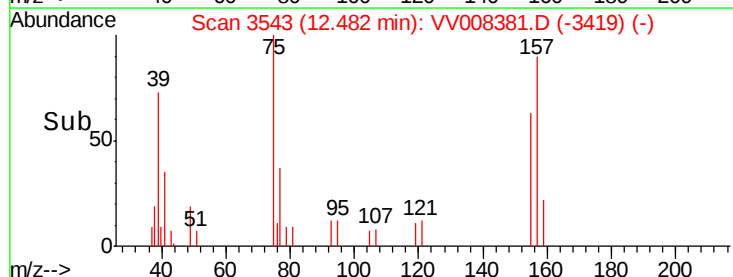
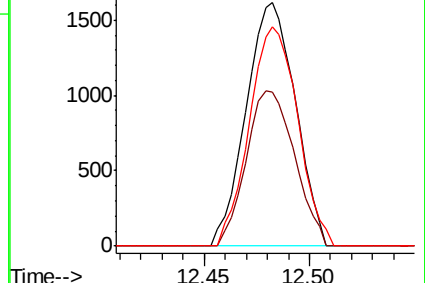
157 90.3 72.8 109.2

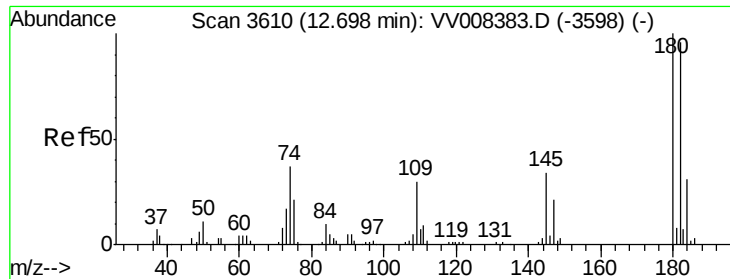


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

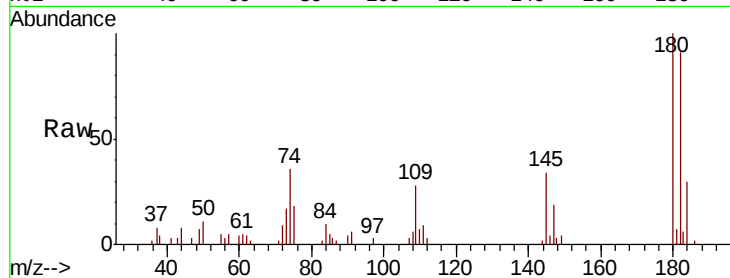




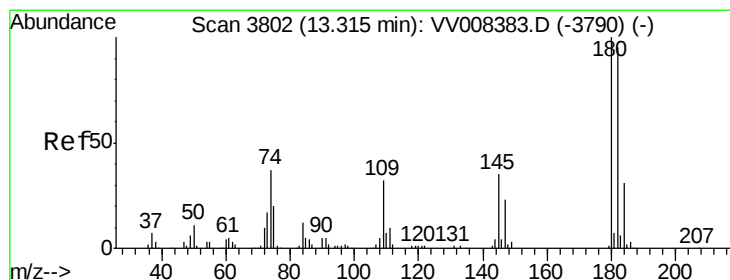
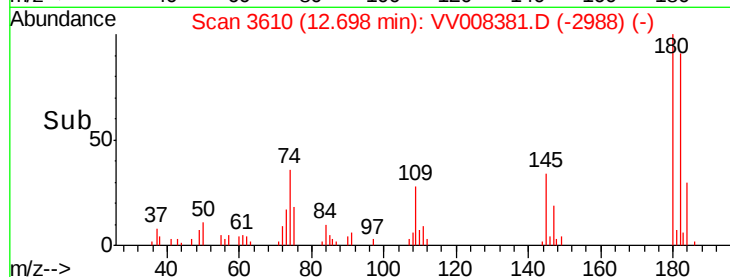
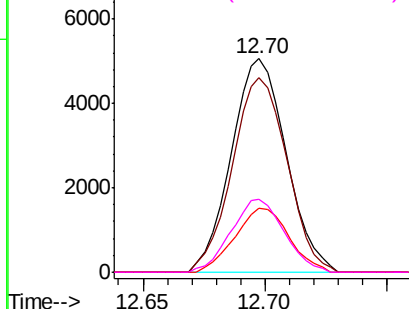
#67
 1,3,5-Trichlorobenzene
 Concen: 4.885 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion:180 Resp: 7903
 Ion Ratio Lower Upper
 180 100
 182 90.7 75.9 113.9
 184 29.5 24.1 36.1
 145 33.2 26.8 40.2

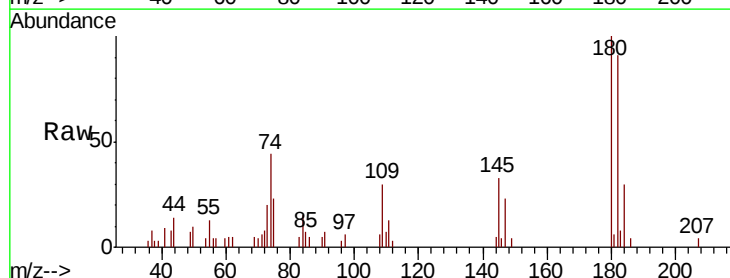


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

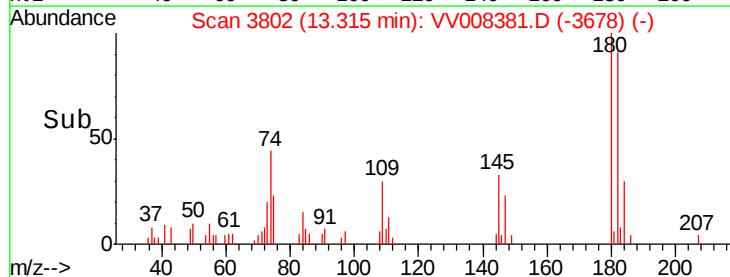
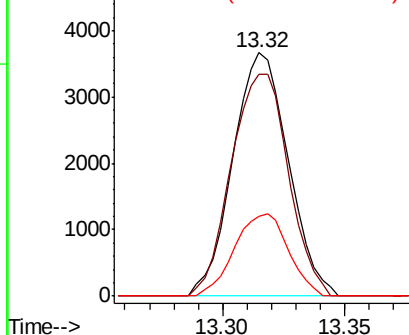


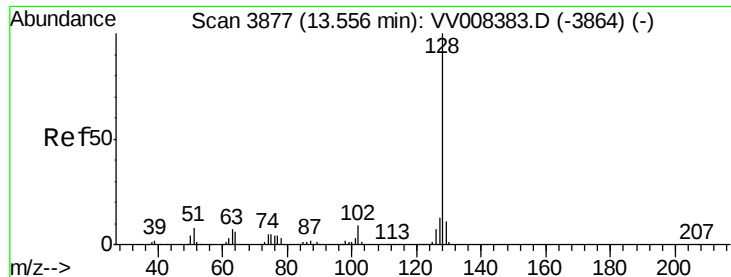
#68
 1,2,4-trichlorobenzene
 Concen: 4.402 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008381.D
 Acq: 23 Oct 2018 18:01

Tgt Ion:180 Resp: 5765
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.4 113.2
 145 32.8 27.0 40.6



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: 4.082 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

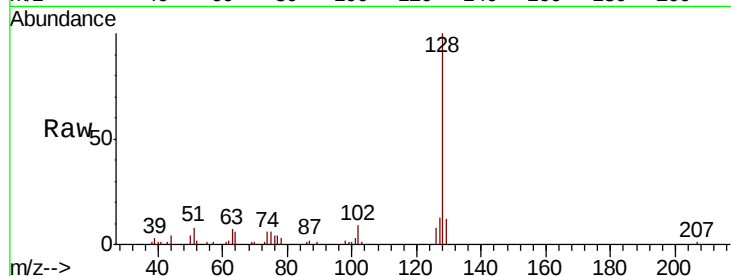
Tgt Ion:128 Resp: 18853

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

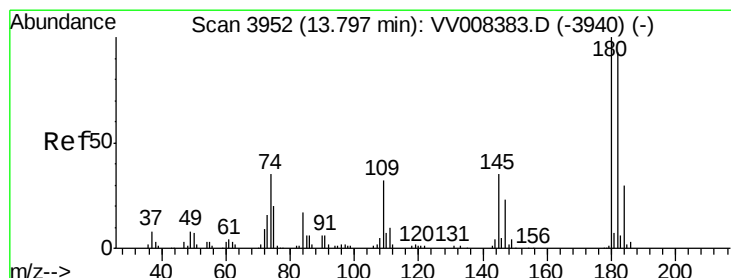
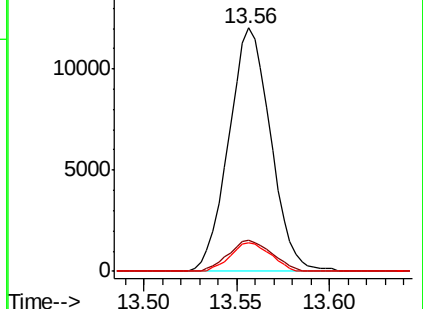
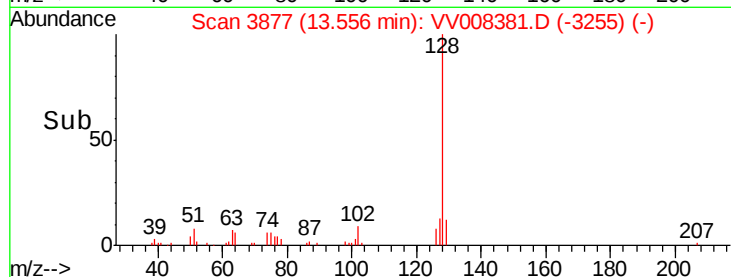
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.400 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008381.D

Acq: 23 Oct 2018 18:01

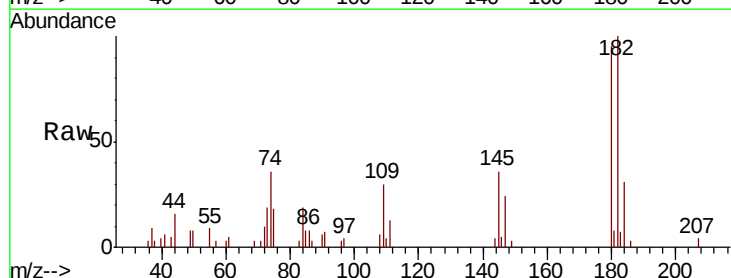
Tgt Ion:180 Resp: 5882

Ion Ratio Lower Upper

180 100

182 99.3 75.7 113.5

145 36.5 28.6 43.0



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

