

Data File : VV009361.D
Acq On : 26 Feb 2019 10:34
Operator : SY/MD
Sample : VSTD00582
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

Quant Time: Feb 26 11:59:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 11:56:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159313	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	142226	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65159	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11061	5.22	ug/L	0.00
7) Chloroethane-d5	1.58	69	16060	6.41	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	28366	5.44	ug/L	0.00
20) 2-Butanone-d5	3.96	46	6550	8.83	ug/L	0.02
24) Chloroform-d	4.40	84	19562	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	10145	5.06	ug/L	0.00
29) Benzene-d6	5.10	84	38821	5.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	11639	5.54	ug/L	0.00
37) Toluene-d8	7.36	98	35568	5.24	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	5321	4.94	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	4779	8.18	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11354	4.95	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	11897	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10551	5.674 ug/L	95
3) Chloromethane	1.25	50	11401	5.018 ug/L	100
5) Vinyl chloride	1.32	62	13158	5.107 ug/L	91
6) Bromomethane	1.53	94	13833	5.770 ug/L	97
8) Chloroethane	1.60	64	12313	5.662 ug/L	96
9) Trichlorofluoromethane	1.76	101	26596	5.484 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14545	5.244 ug/L	98
12) 1,1-Dichloroethene	2.14	96	12780	5.468 ug/L	97
13) Acetone	2.21	43	6587	9.084 ug/L	91
14) Carbon disulfide	2.32	76	31163	4.982 ug/L #	95
15) Methyl Acetate	2.47	43	4891	4.626 ug/L	100
16) Methylene chloride	2.54	84	12419	5.153 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	25432	4.912 ug/L	93
18) trans-1,2-Dichloroethene	2.79	96	10824	5.140 ug/L	95
19) 1,1-Dichloroethane	3.23	63	18749	5.361 ug/L	96
21) 2-Butanone	4.04	43	3564	4.290 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	11852	5.152 ug/L	98
23) Bromochloromethane	4.30	128	5063	4.809 ug/L	96
25) Chloroform	4.43	83	20402	5.482 ug/L	94
27) 1,2-Dichloroethane	5.18	62	13442	5.334 ug/L #	91
30) Cyclohexane	4.72	56	18100	5.490 ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	18179	5.660 ug/L	99
32) Carbon tetrachloride	4.87	117	14872	5.479 ug/L	99
34) Benzene	5.15	78	42143	5.419 ug/L	100
35) Trichloroethene	5.96	95	11644	5.383 ug/L	99
36) Methylcyclohexane	6.18	83	20965	5.541 ug/L	97
40) 1,2-Dichloropropane	6.22	63	10369	5.494 ug/L #	92
41) Bromodichloromethane	6.56	83	14699	5.468 ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	16169	5.048 ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	16491	10.408 ug/L #	96

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QLast Update : Tue Feb 26 11:56:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	44576	5.168	ug/L	99
45) trans-1,3-Dichloropropene	7.70	75	14000	4.991	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	8374	4.982	ug/L	96
47) Tetrachloroethene	8.02	164	8420	4.981	ug/L	92
49) 2-Hexanone	8.19	43	11661	9.570	ug/L #	95
50) Dibromochloromethane	8.29	129	10043	4.956	ug/L	95
51) 1,2-Dibromoethane	8.40	107	8489	5.036	ug/L #	96
52) Chlorobenzene	8.93	112	28039	4.992	ug/L	97
53) Ethylbenzene	9.05	91	51413	5.276	ug/L	99
54) m,p-Xylene	9.18	106	20132	5.295	ug/L	87
55) o-xylene	9.59	106	18228	5.108	ug/L	92
56) Styrene	9.61	104	31117	5.081	ug/L	98
57) Isopropylbenzene	9.98	105	51518	5.215	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	11585	4.884	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	8406	4.946	ug/L	99
62) Bromoform	9.77	173	6052	5.024	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	21626	5.167	ug/L	94
64) 1,4-Dichlorobenzene	11.32	146	21924	5.255	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	20245	5.158	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	2095	4.807	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	15600	5.151	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	11137	4.507	ug/L	93
69) Naphthalene	13.55	128	20582	3.886	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	10214	4.478	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

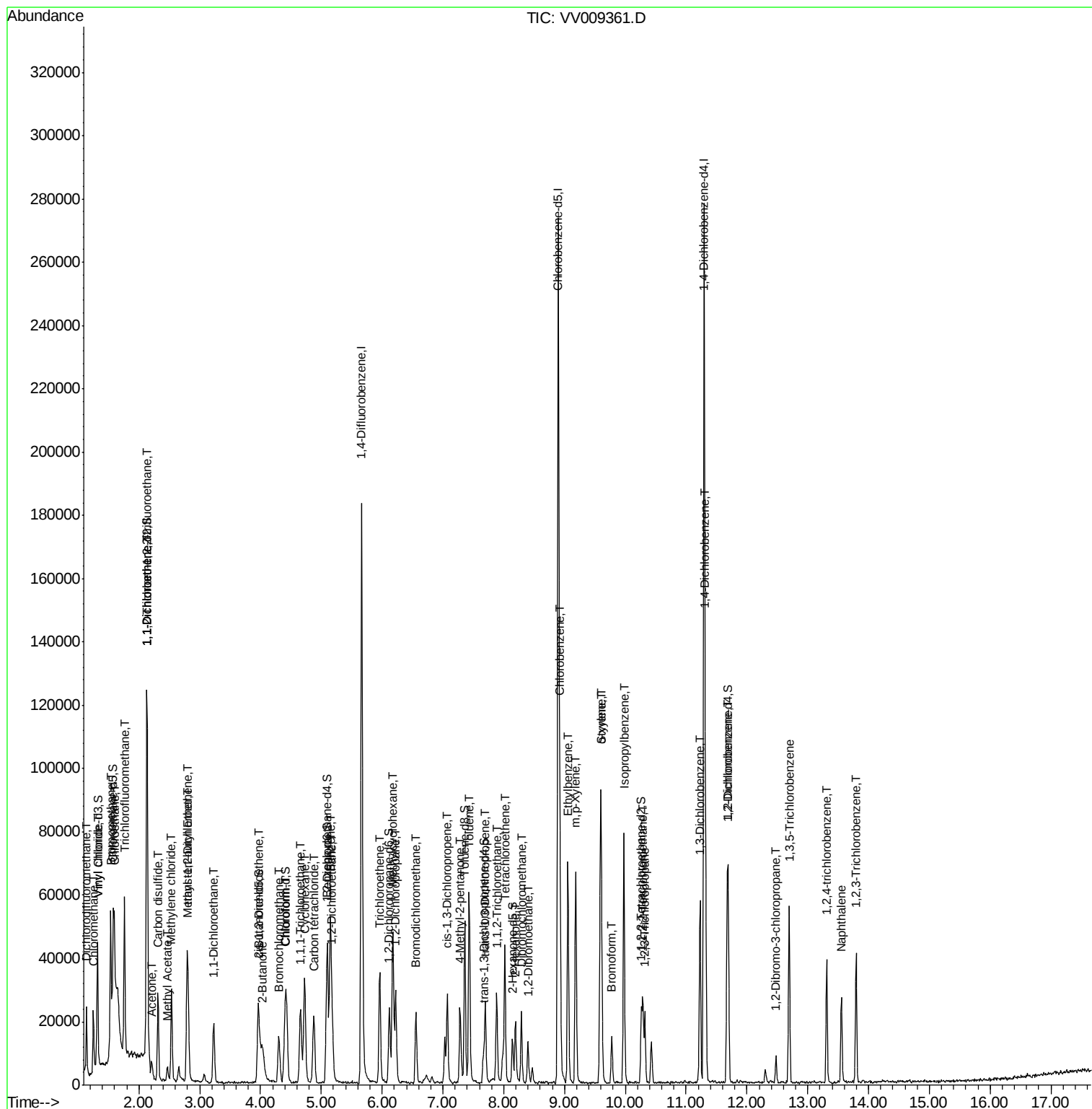
Quant Time: Feb 26 11:59:21 2019

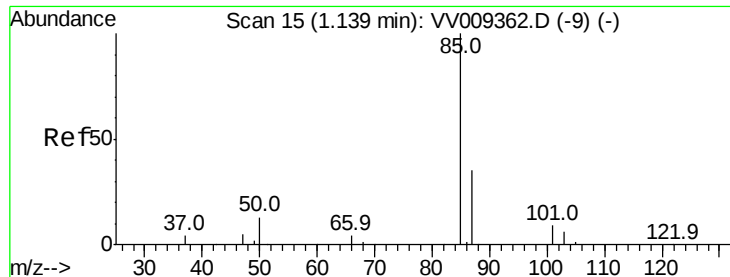
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM022619S.M

Quant Title : VOC Analysis

QLast Update : Tue Feb 26 11:56:52 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.674 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

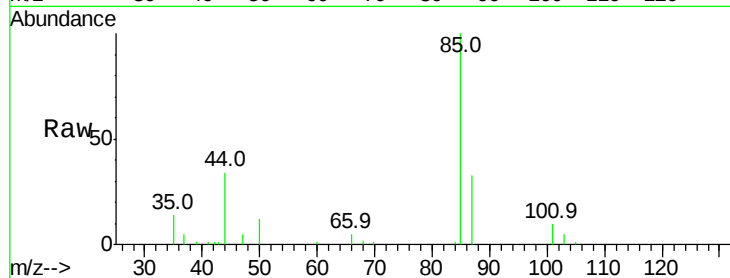
VSTD00582

Tgt Ion: 85 Resp: 10551

Ion Ratio Lower Upper

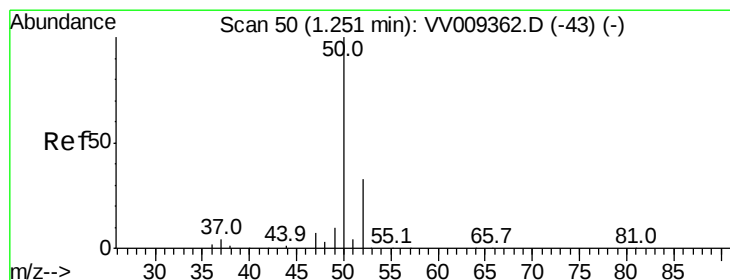
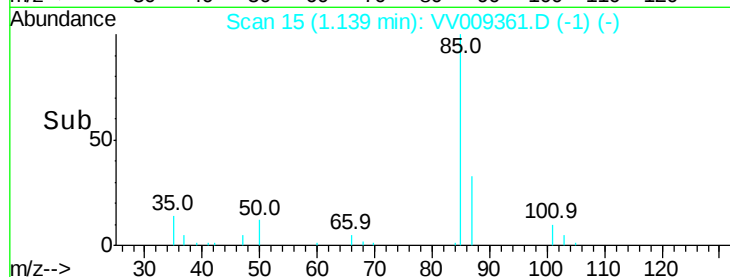
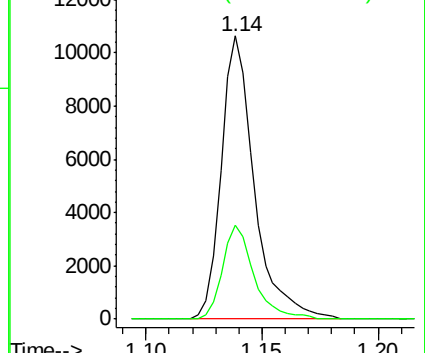
85 100

87 31.7 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.018 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009361.D

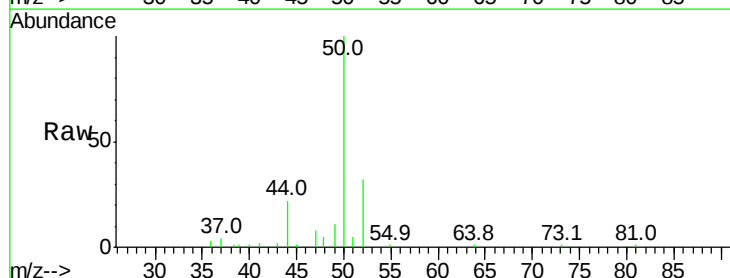
Acq: 26 Feb 2019 10:34

Tgt Ion: 50 Resp: 11401

Ion Ratio Lower Upper

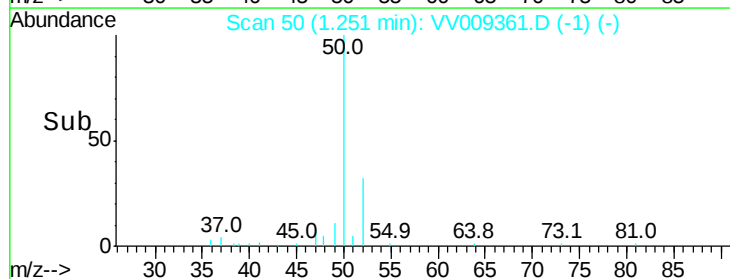
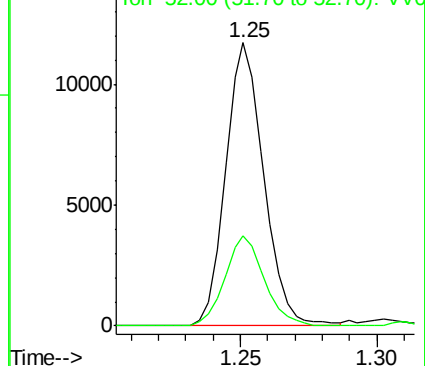
50 100

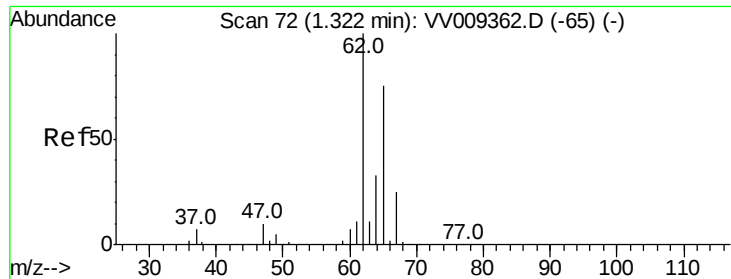
52 32.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 5.107 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

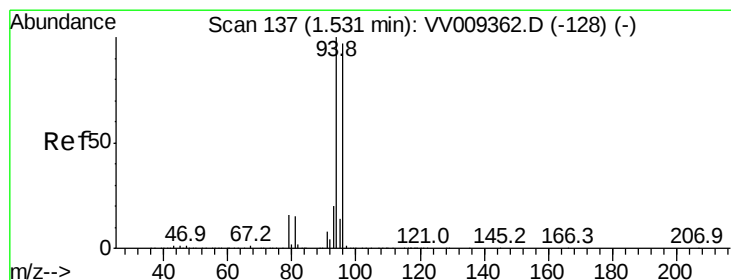
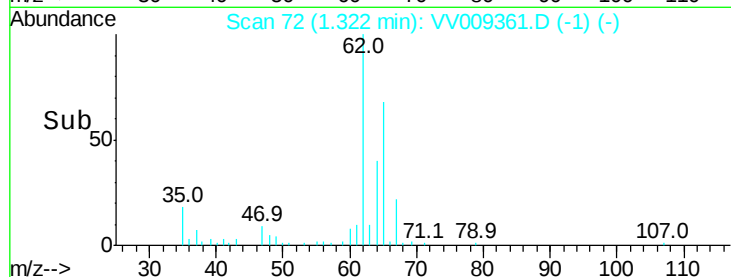
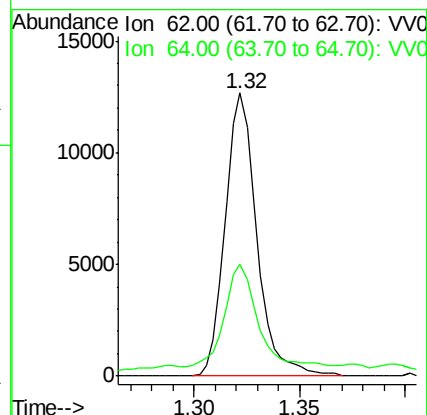
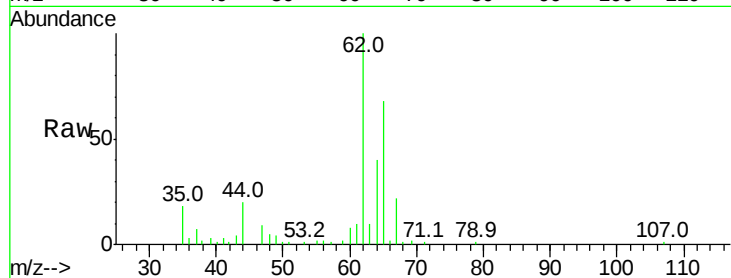
VSTD00582

Tgt Ion: 62 Resp: 13158

Ion Ratio Lower Upper

62 100

64 39.7 24.3 45.1



#6

Bromomethane

Concen: 5.770 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009361.D

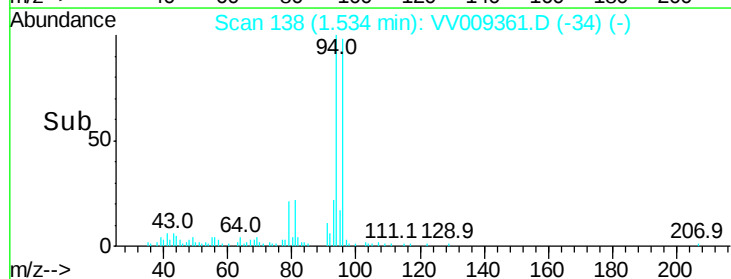
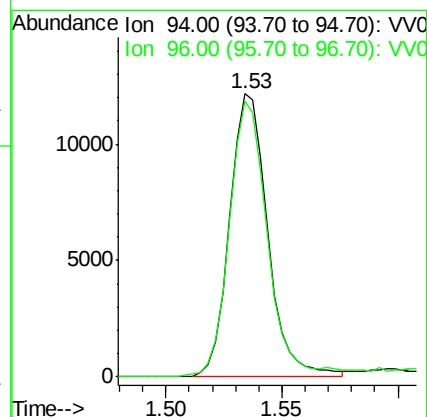
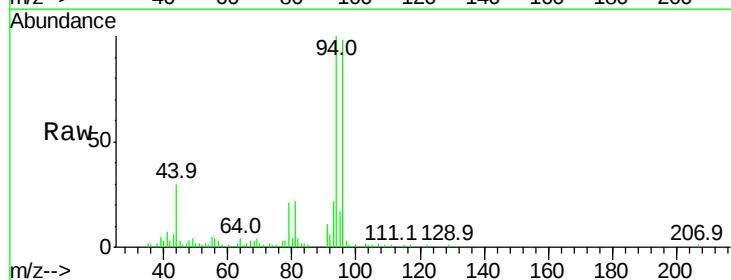
Acq: 26 Feb 2019 10:34

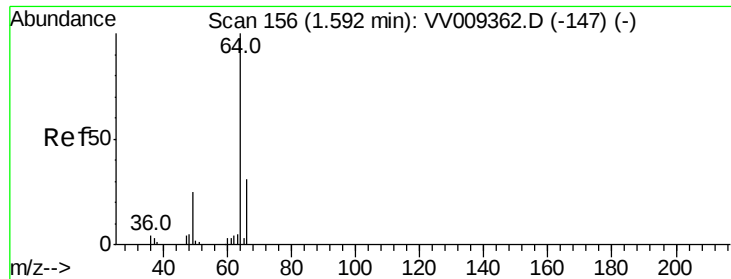
Tgt Ion: 94 Resp: 13833

Ion Ratio Lower Upper

94 100

96 96.6 9.4 178.6





#8

Chloroethane

Concen: 5.662 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

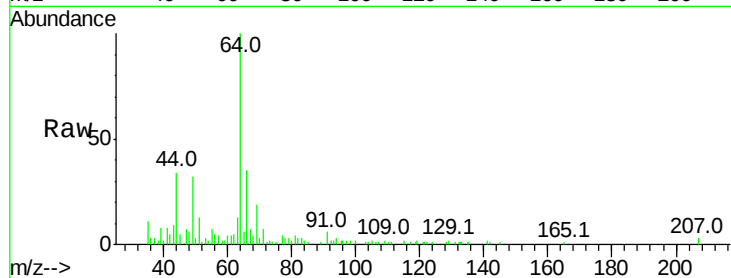
VSTD00582

Tgt Ion: 64 Resp: 12313

Ion Ratio Lower Upper

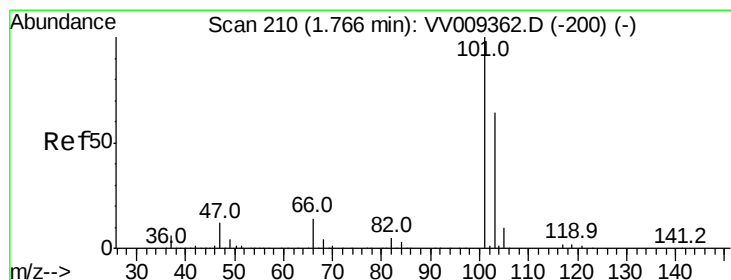
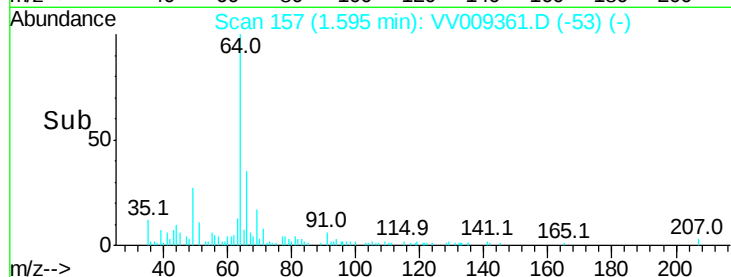
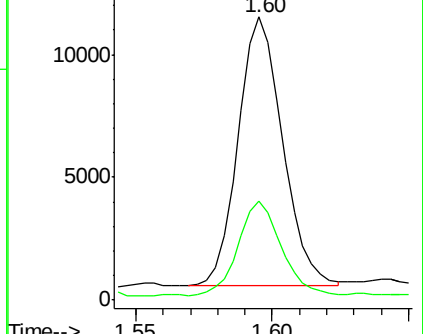
64 100

66 34.8 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV009362.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV009362.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.484 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009361.D

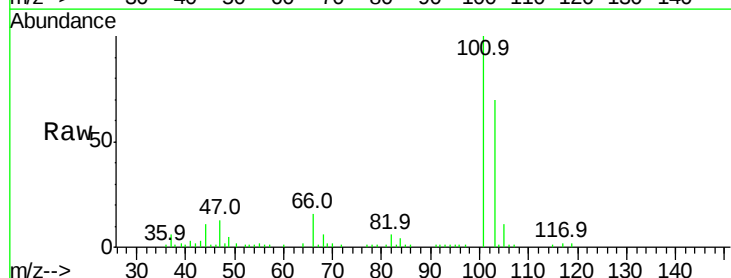
Acq: 26 Feb 2019 10:34

Tgt Ion: 101 Resp: 26596

Ion Ratio Lower Upper

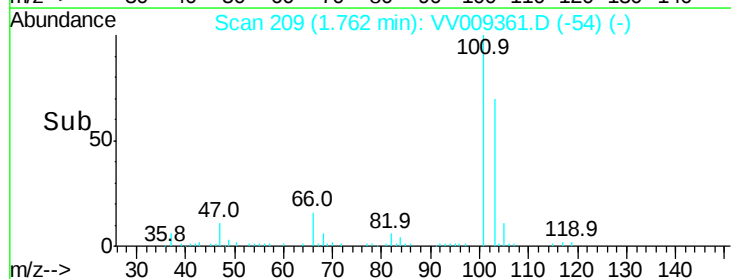
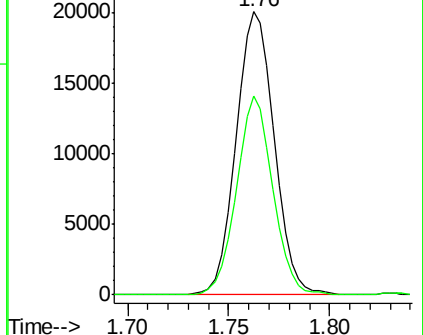
101 100

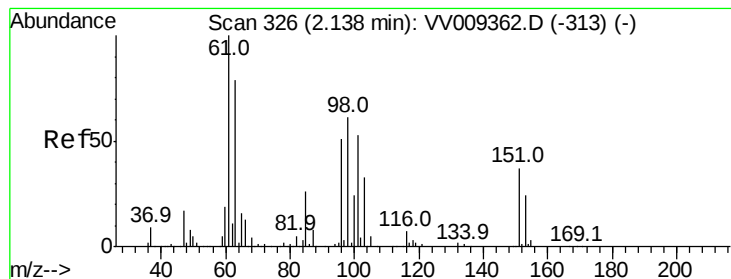
103 66.8 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): VV009362.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009362.D (-200) (-)





#11

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

Concen: 5.244 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

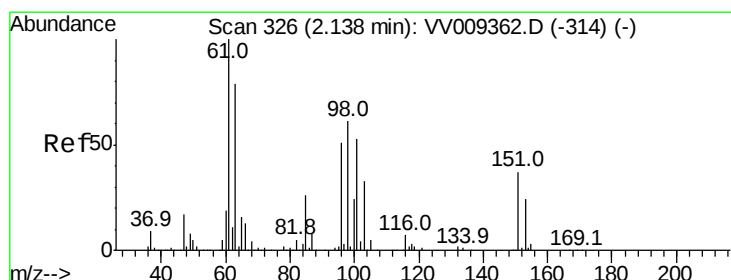
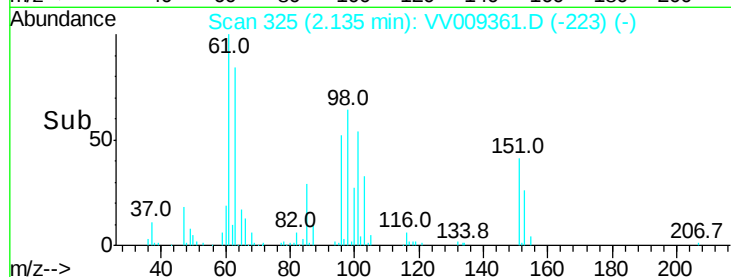
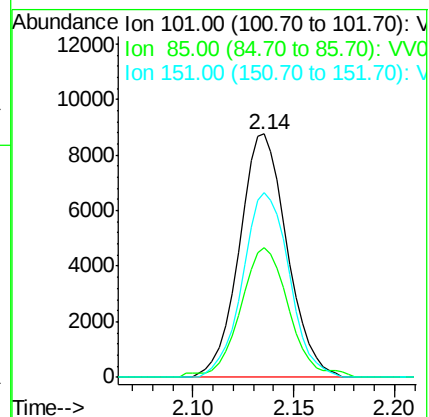
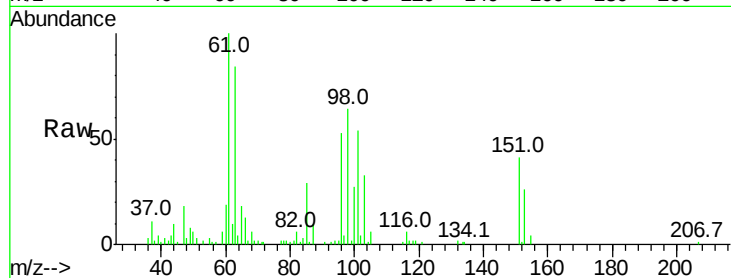
Tgt Ion: 101 Resp: 14545

Ion Ratio Lower Upper

101 100

85 50.3 39.1 58.7

151 74.2 58.5 87.7



#12

1,1-Dichloroethene

Concen: 5.468 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

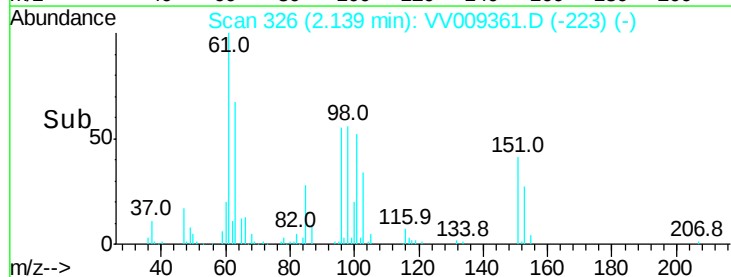
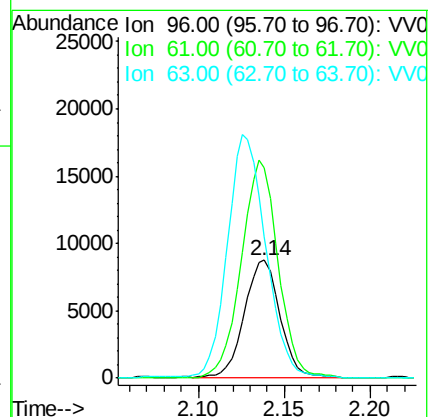
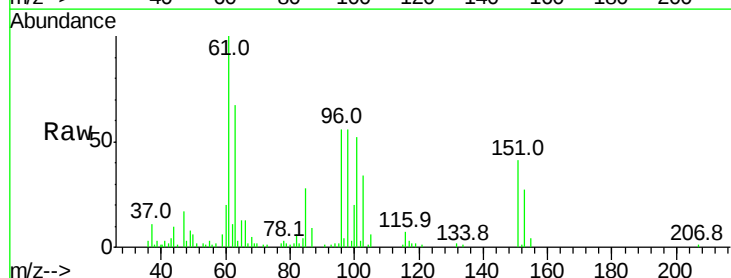
Tgt Ion: 96 Resp: 12780

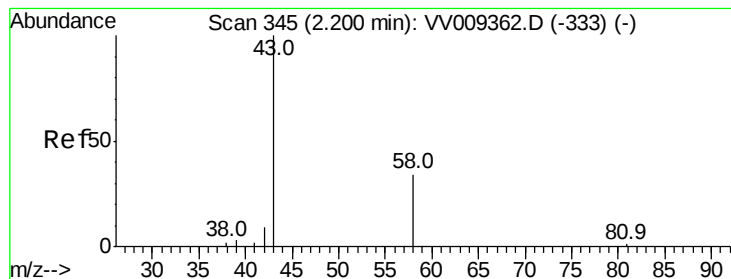
Ion Ratio Lower Upper

96 100

61 178.1 123.3 228.9

63 119.6 88.4 164.2





#13

Acetone

Concen: 9.084 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

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ClientSampleId :

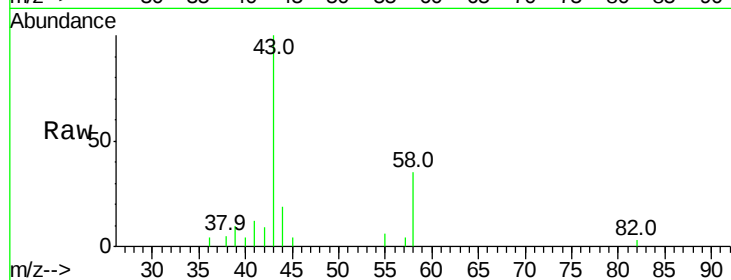
VSTD00582

Tgt Ion: 43 Resp: 6587

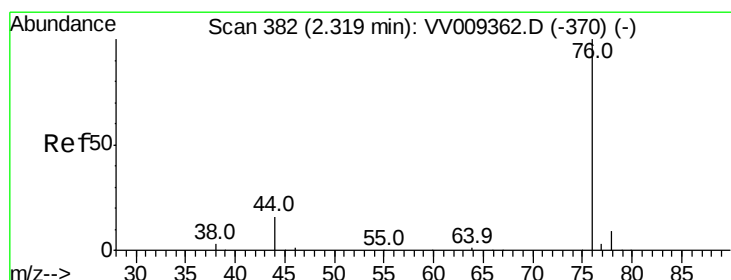
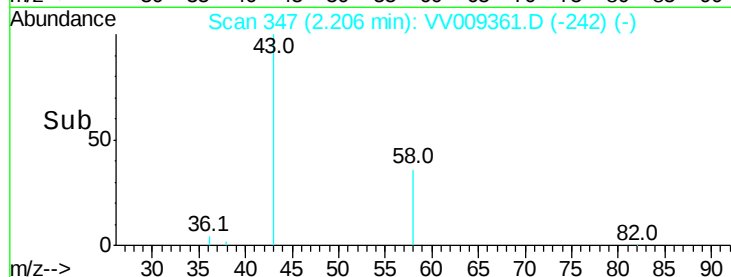
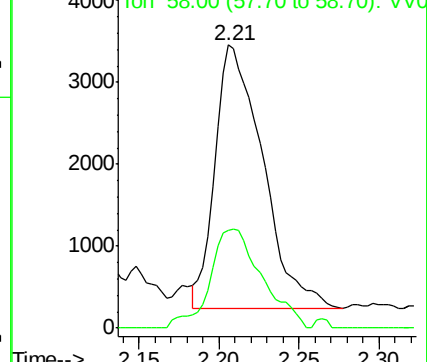
Ion Ratio Lower Upper

43 100

58 41.2 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009361.D (-242) (-)



#14

Carbon disulfide

Concen: 4.982 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009361.D

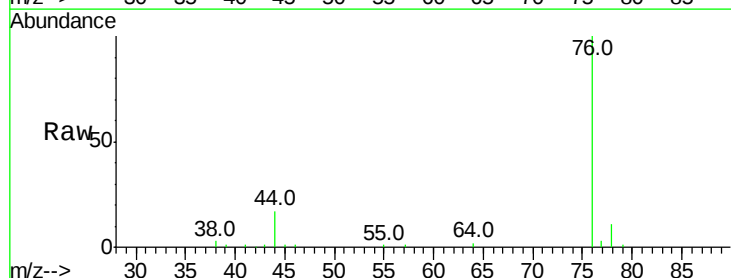
Acq: 26 Feb 2019 10:34

Tgt Ion: 76 Resp: 31163

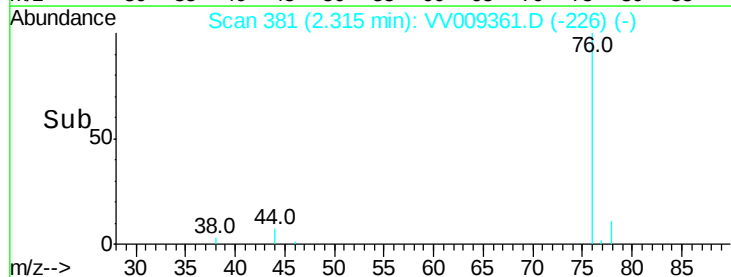
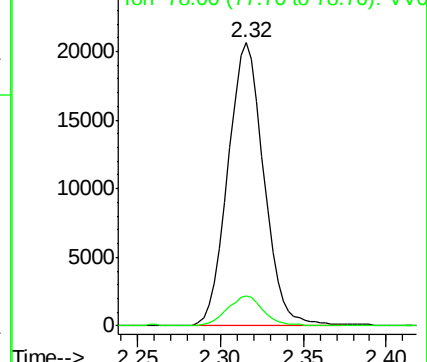
Ion Ratio Lower Upper

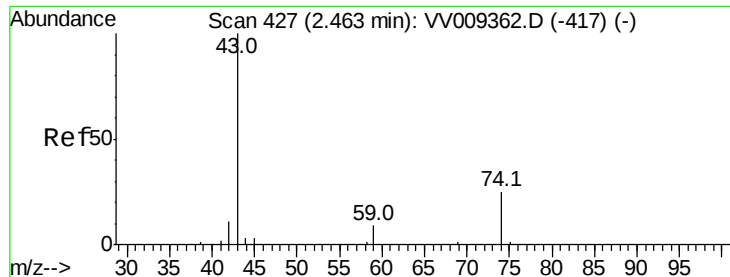
76 100

78 10.5 6.9 10.3#



Abundance Ion 76.00 (75.70 to 76.70): VV009361.D (-226) (-)





#15

Methyl Acetate

Concen: 4.626 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

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ClientSampleId :

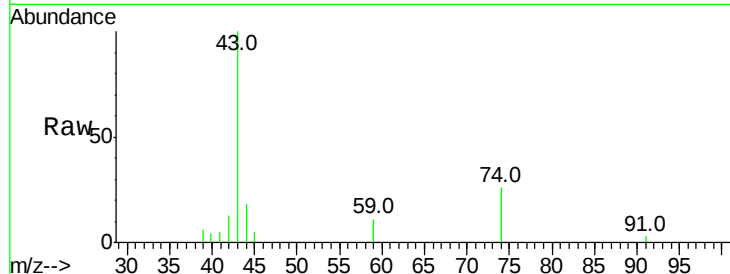
VSTD00582

Tgt Ion: 43 Resp: 4891

Ion Ratio Lower Upper

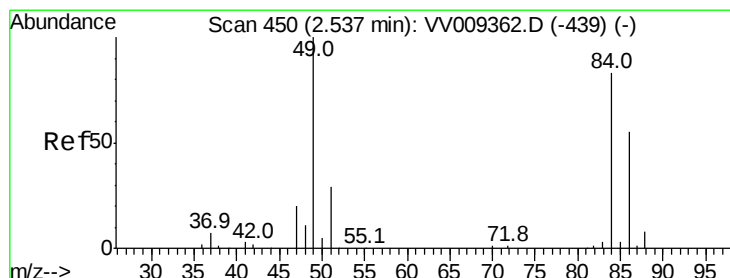
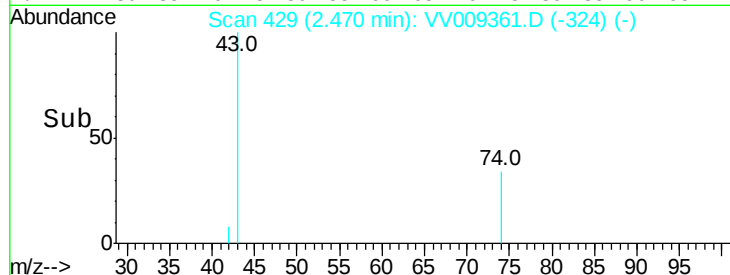
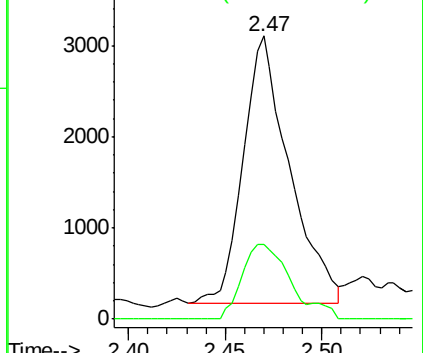
43 100

74 27.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 5.153 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

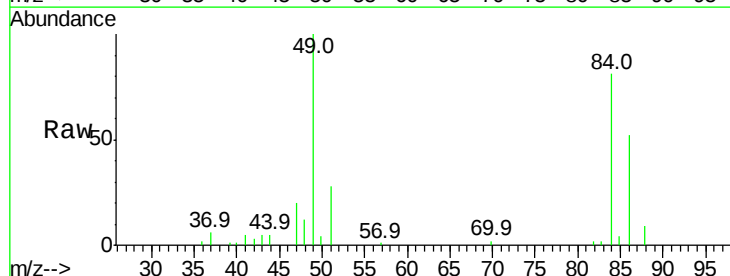
Tgt Ion: 84 Resp: 12419

Ion Ratio Lower Upper

84 100

49 123.5 78.7 146.1

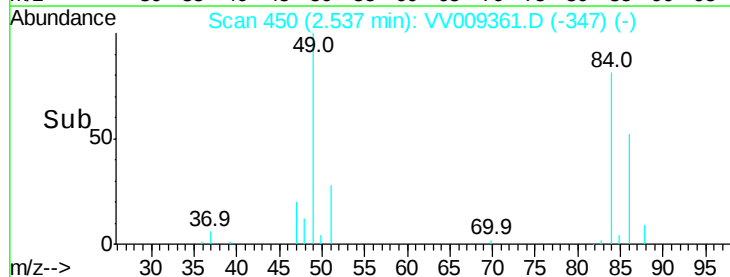
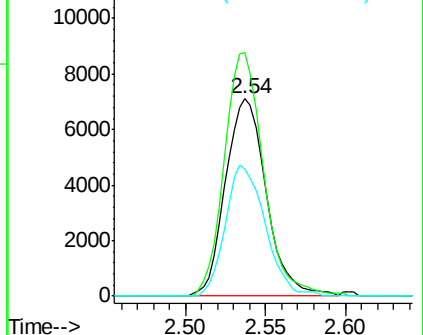
86 64.7 44.0 81.6

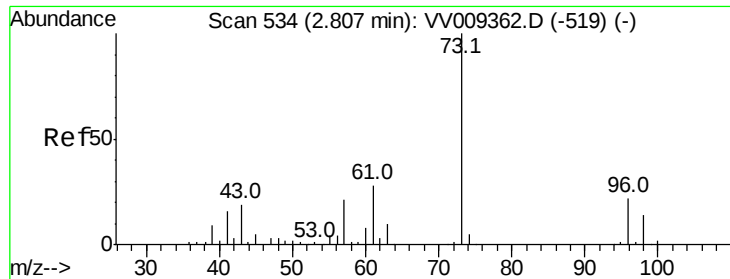


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

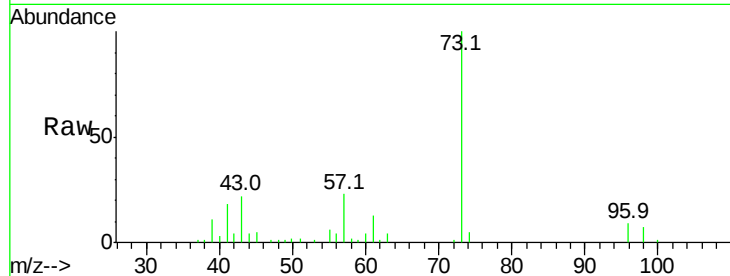




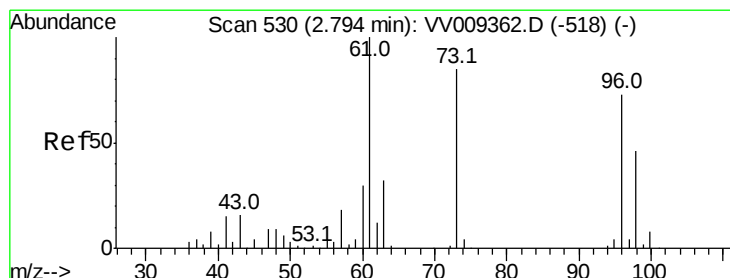
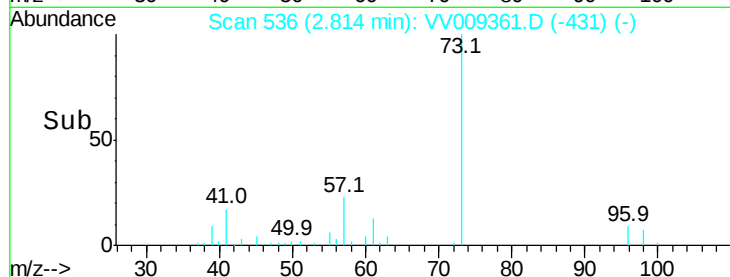
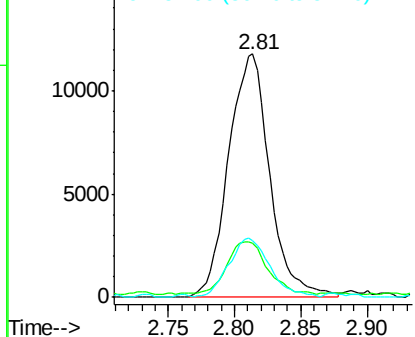
#17
Methyl tert-butyl Ether
Concen: 4.912 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.01 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

Tgt Ion: 73 Resp: 25432
Ion Ratio Lower Upper
73 100
43 20.3 14.0 21.0
57 24.4 17.0 25.4

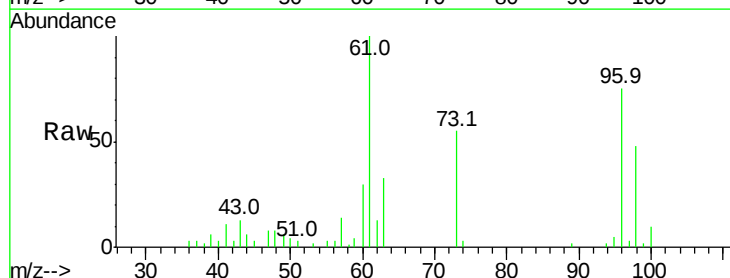


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

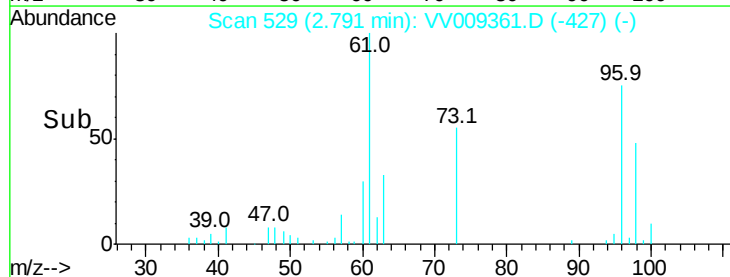
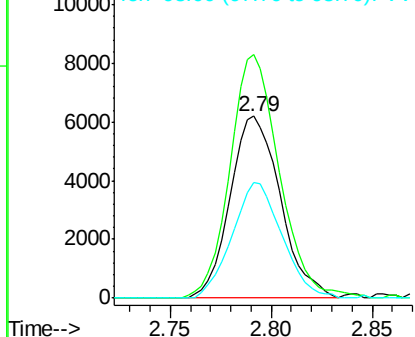


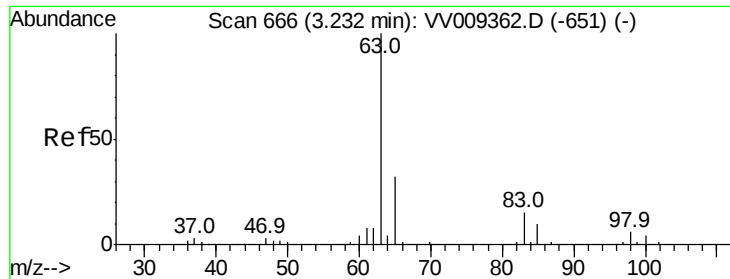
#18
trans-1,2-Dichloroethene
Concen: 5.140 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Tgt Ion: 96 Resp: 10824
Ion Ratio Lower Upper
96 100
61 133.8 88.8 165.0
98 63.7 43.0 79.8



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

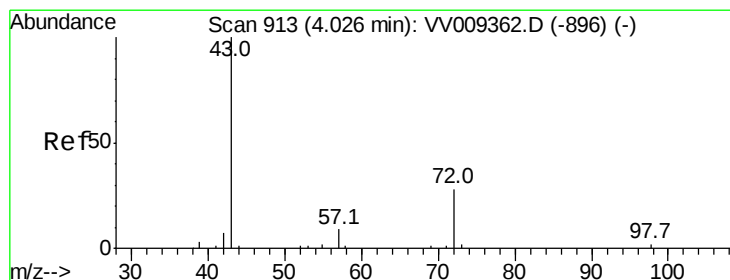
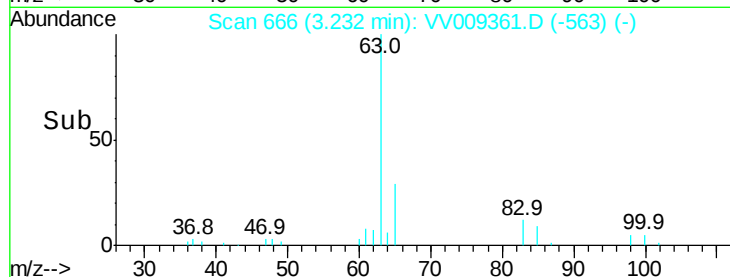
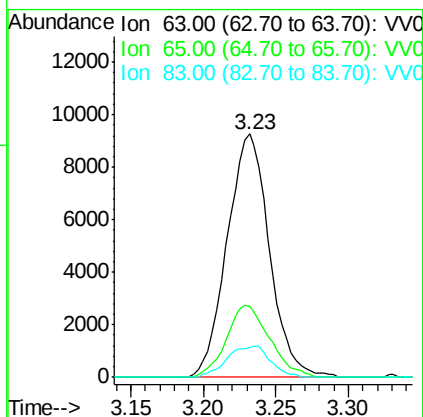
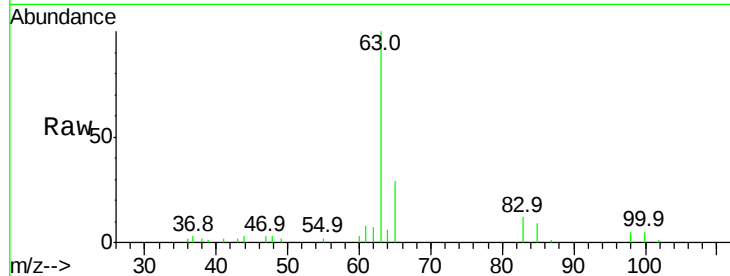




#19
 1,1-Dichloroethane
 Concen: 5.361 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

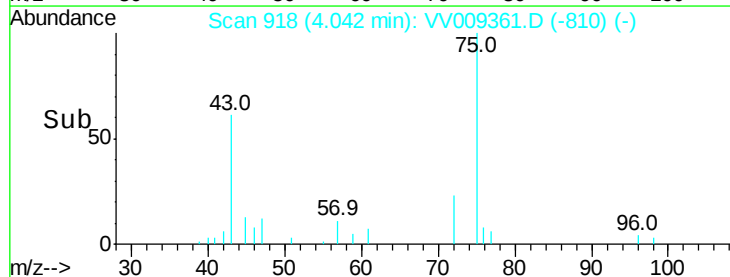
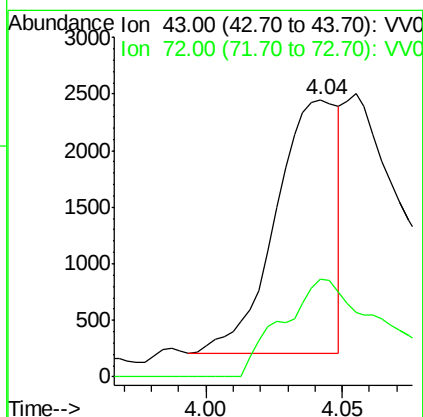
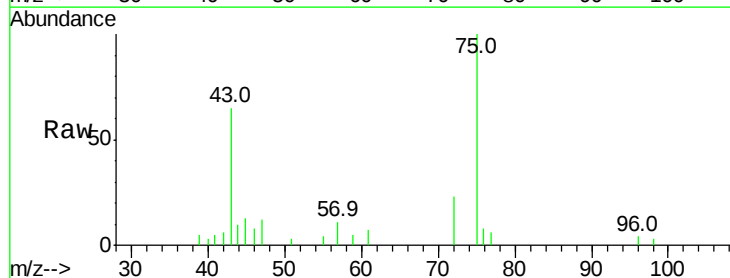
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

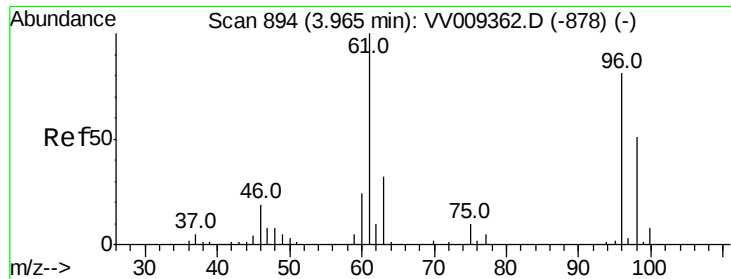
Tgt Ion: 63 Resp: 18749
 Ion Ratio Lower Upper
 63 100
 65 29.3 21.6 40.2
 83 12.2 10.1 18.9



#21
 2-Butanone
 Concen: 4.290 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.02 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Tgt Ion: 43 Resp: 3564
 Ion Ratio Lower Upper
 43 100
 72 32.0 15.4 46.2



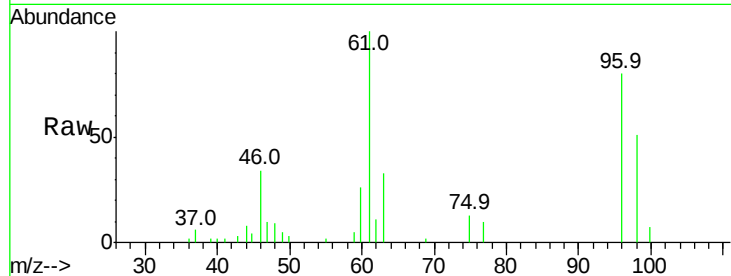


#22

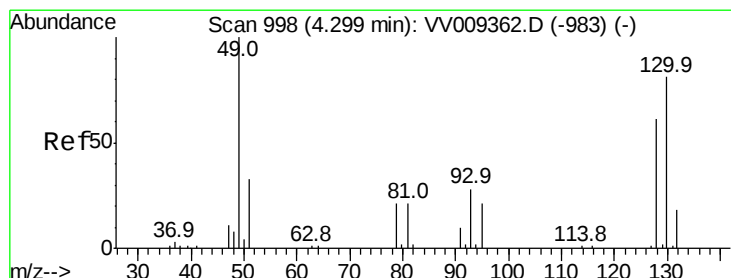
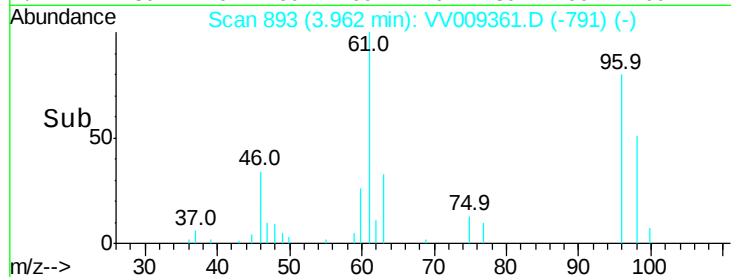
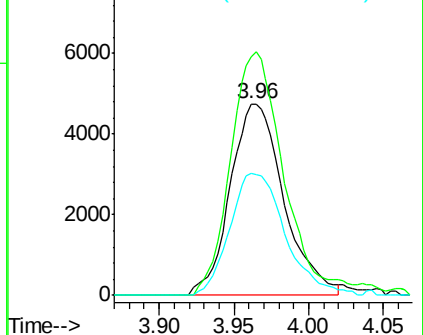
cis-1,2-Dichloroethene
Concen: 5.152 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

Tgt Ion: 96 Resp: 11852
Ion Ratio Lower Upper
96 100
61 124.7 86.2 160.0
98 63.9 46.8 87.0



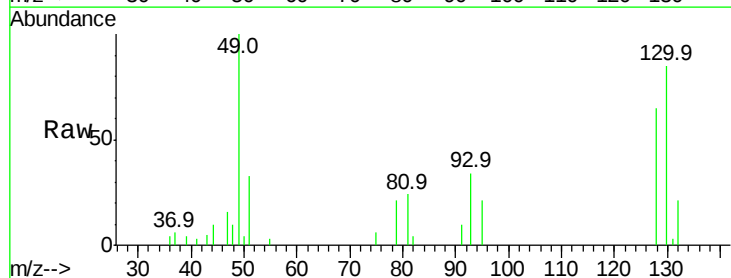
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



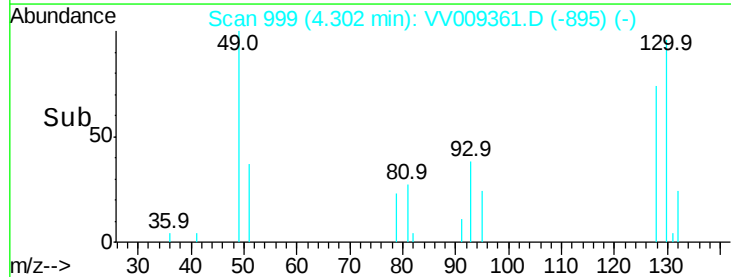
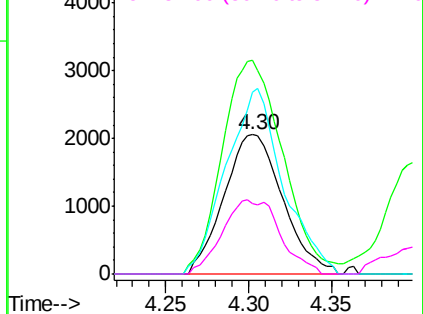
#23

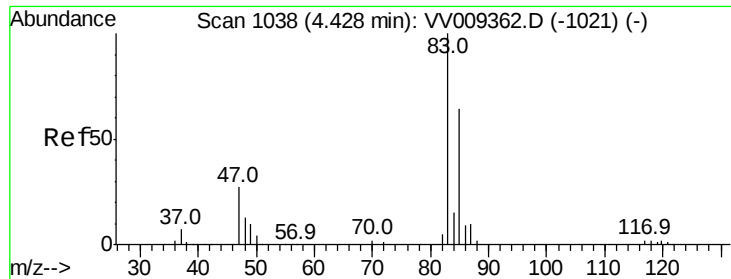
Bromochloromethane
Concen: 4.809 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Tgt Ion: 128 Resp: 5063
Ion Ratio Lower Upper
128 100
49 153.5 103.0 191.4
130 130.4 93.3 173.3
51 51.0 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: 5.482 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

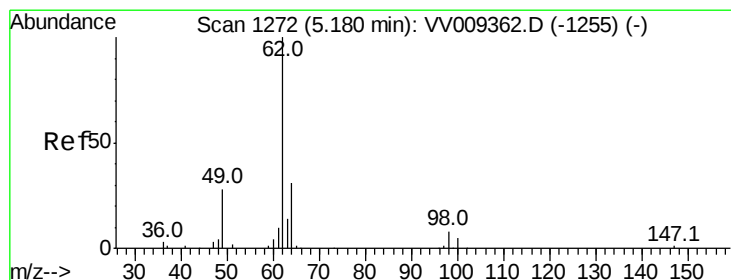
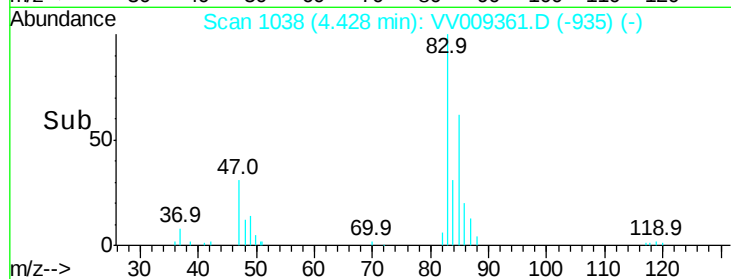
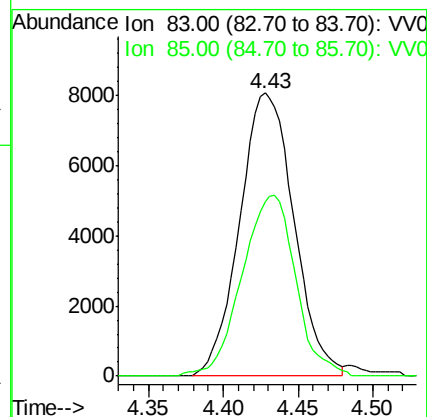
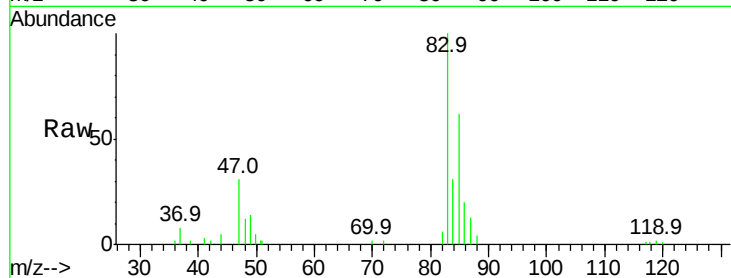
VSTD00582

Tgt Ion: 83 Resp: 20402

Ion Ratio Lower Upper

83 100

85 63.0 47.5 88.3



#27

1,2-Dichloroethane

Concen: 5.334 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV009361.D

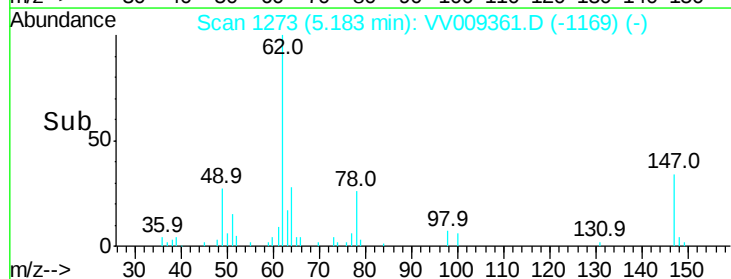
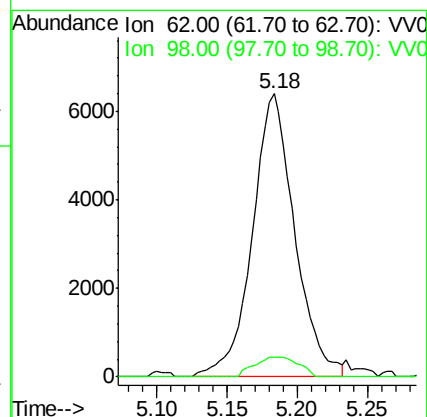
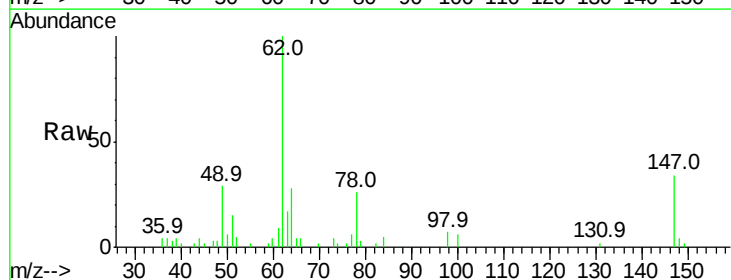
Acq: 26 Feb 2019 10:34

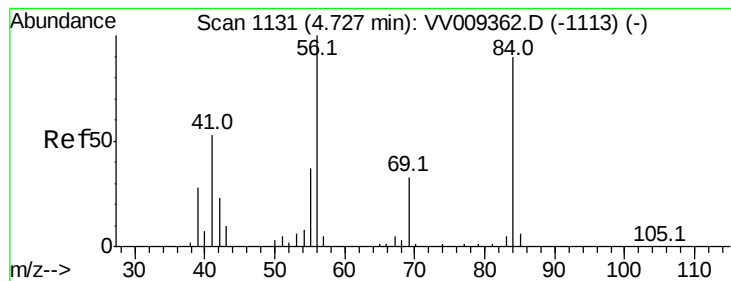
Tgt Ion: 62 Resp: 13442

Ion Ratio Lower Upper

62 100

98 7.1 8.5 12.7#





#30

Cyclohexane

Concen: 5.490 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

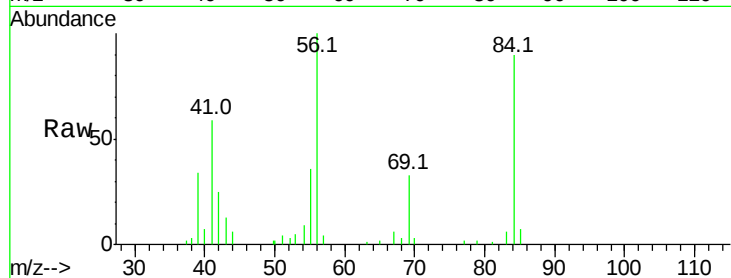
Tgt Ion: 56 Resp: 18100

Ion Ratio Lower Upper

56 100

69 34.1 25.7 38.5

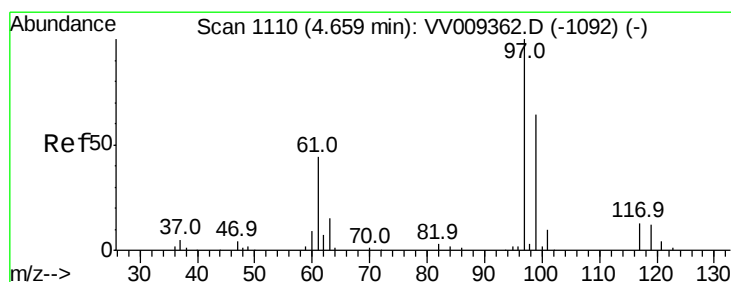
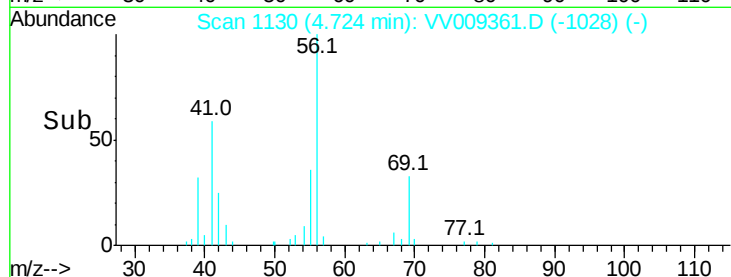
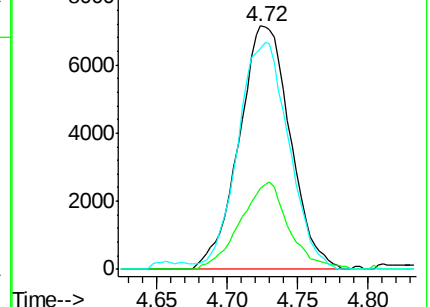
84 93.0 77.2 115.8



Abundance Ion 56.00 (55.70 to 56.70): VV009361.D (-1028) (-)

Ion 69.00 (68.70 to 69.70): VV009361.D (-1028) (-)

Ion 84.00 (83.70 to 84.70): VV009361.D (-1028) (-)



#31

1,1,1-Trichloroethane

Concen: 5.660 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

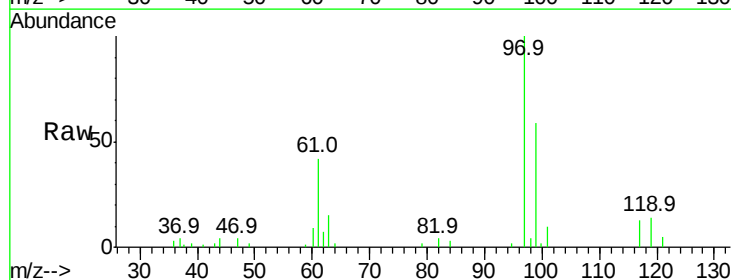
Tgt Ion: 97 Resp: 18179

Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

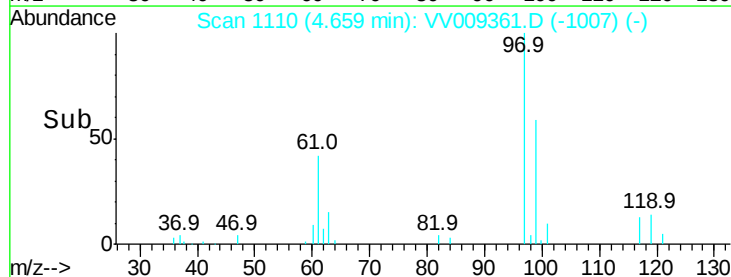
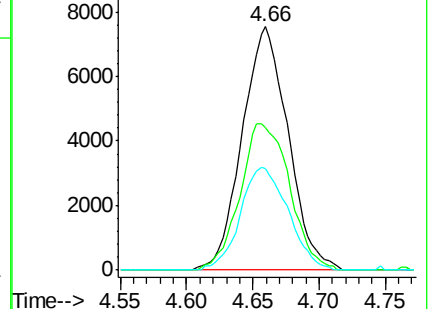
61 43.9 34.0 51.0

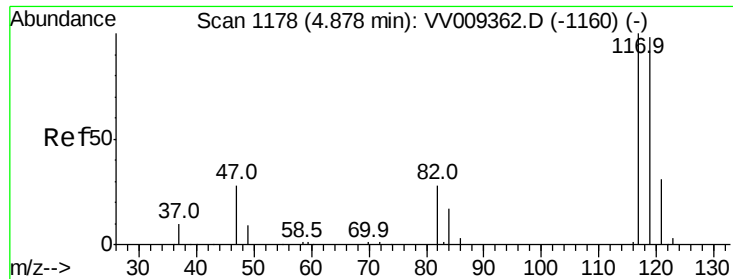


Abundance Ion 97.00 (96.70 to 97.70): VV009361.D (-1007) (-)

Ion 99.00 (98.70 to 99.70): VV009361.D (-1007) (-)

Ion 61.00 (60.70 to 61.70): VV009361.D (-1007) (-)





#32

Carbon tetrachloride

Concen: 5.479 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

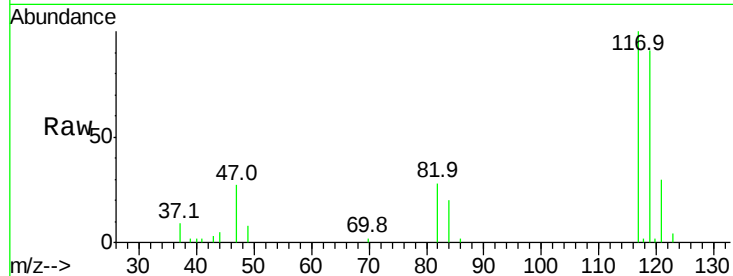
VSTD00582

Tgt Ion:117 Resp: 14872

Ion Ratio Lower Upper

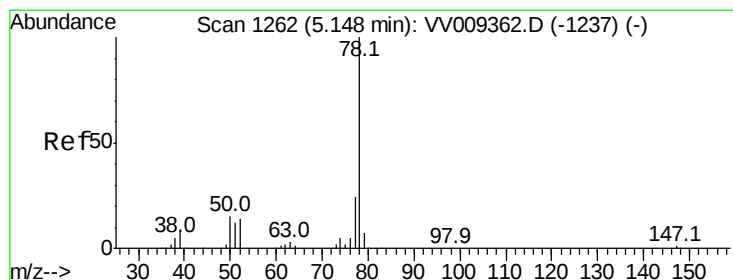
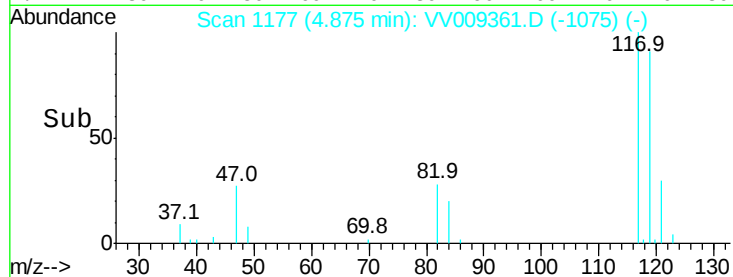
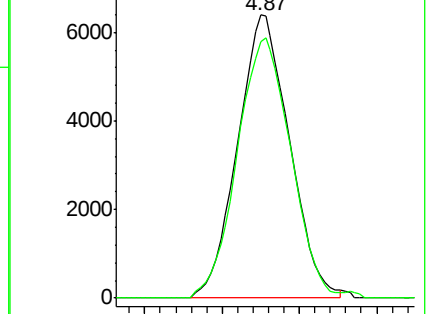
117 100

119 94.6 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: 5.419 ug/L

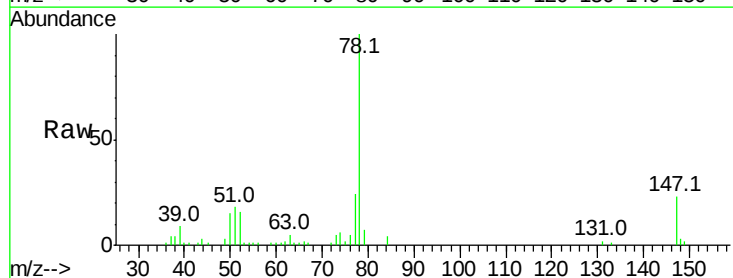
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

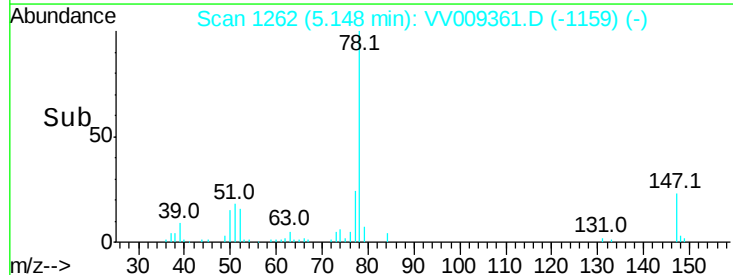
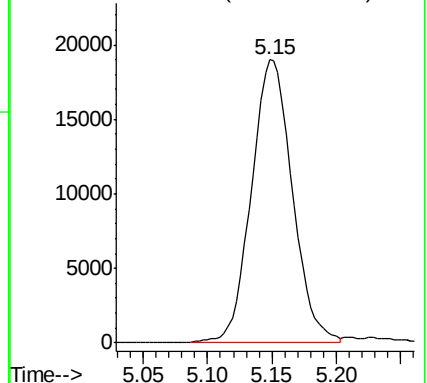
Lab File: VV009361.D

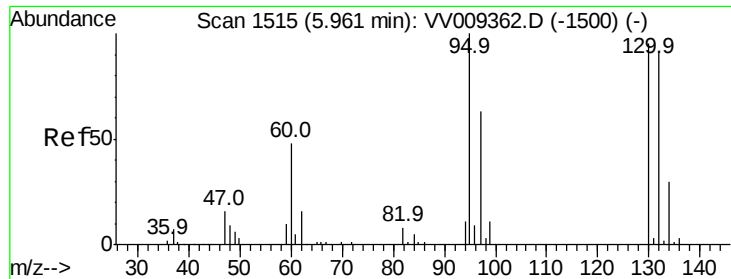
Acq: 26 Feb 2019 10:34

Tgt Ion: 78 Resp: 42143



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 5.383 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 11644

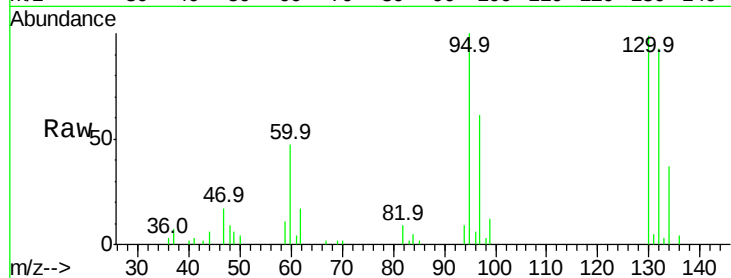
Ion Ratio Lower Upper

95 100

97 65.0 45.0 83.6

132 97.4 68.7 127.5

130 103.4 72.2 134.0

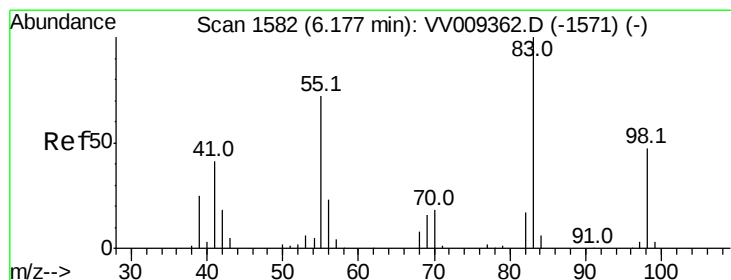
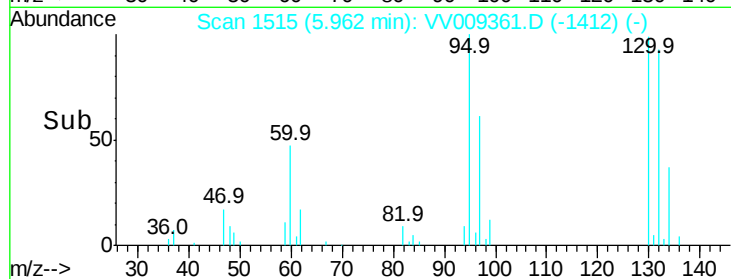
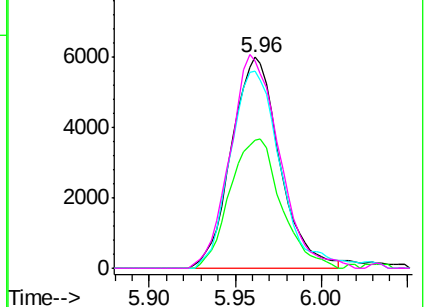


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.541 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

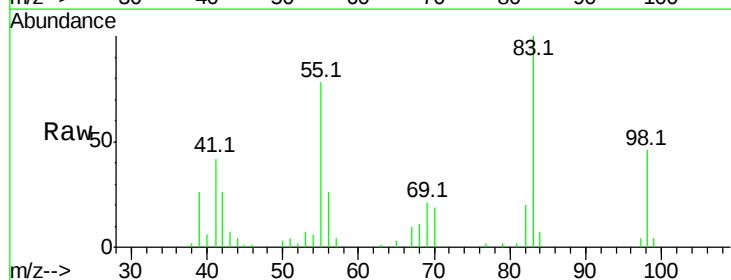
Tgt Ion: 83 Resp: 20965

Ion Ratio Lower Upper

83 100

55 69.2 55.8 83.6

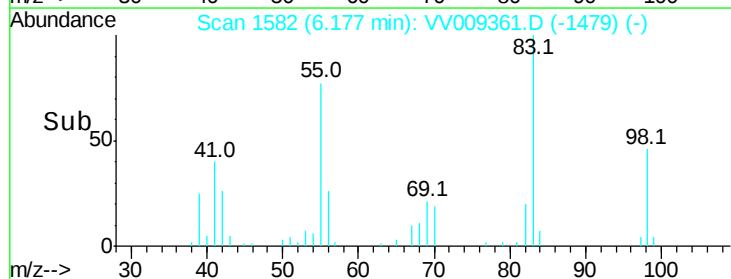
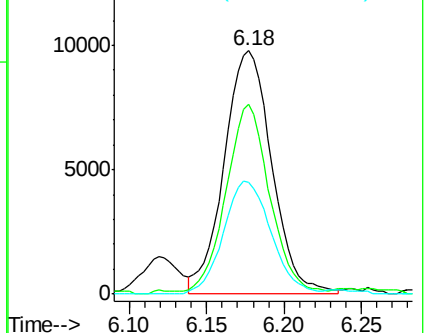
98 46.2 40.3 60.5

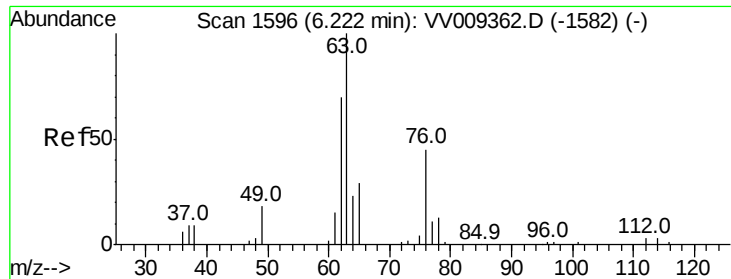


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 5.494 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

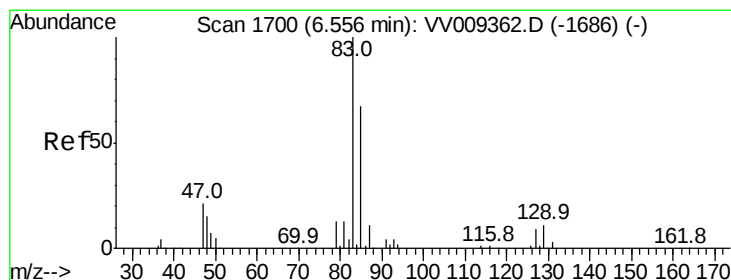
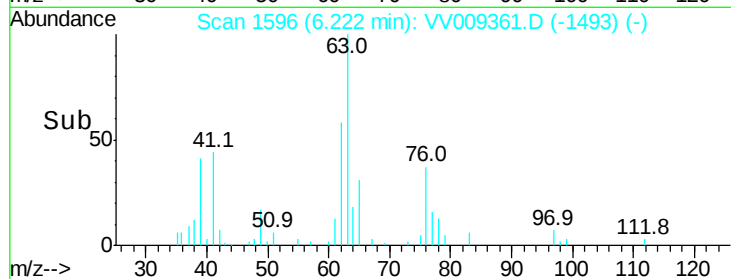
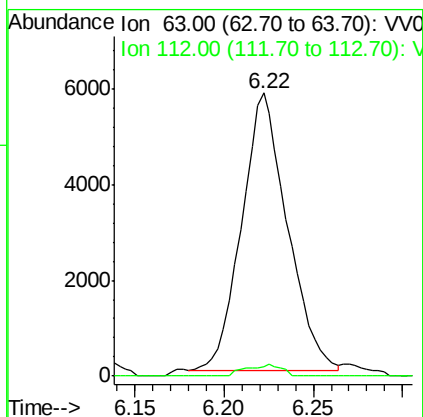
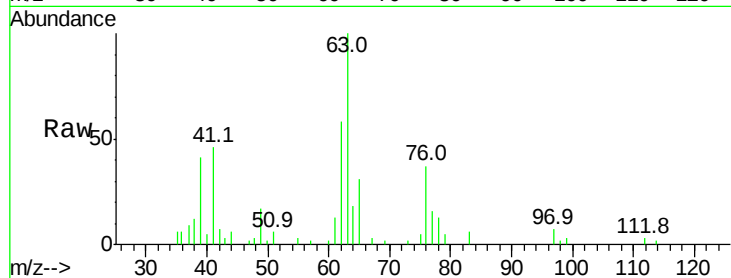
Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

Tgt Ion: 63 Resp: 10369

Ion	Ratio	Lower	Upper
63	100		
112	2.1	3.8	5.8#



#41

Bromodichloromethane

Concen: 5.468 ug/L

RT: 6.56 min Scan# 1700

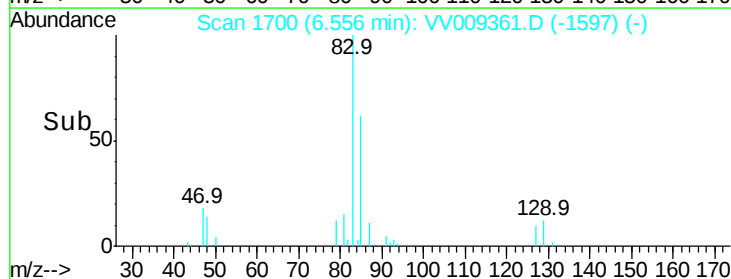
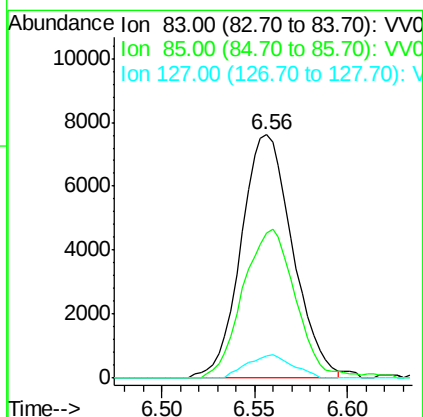
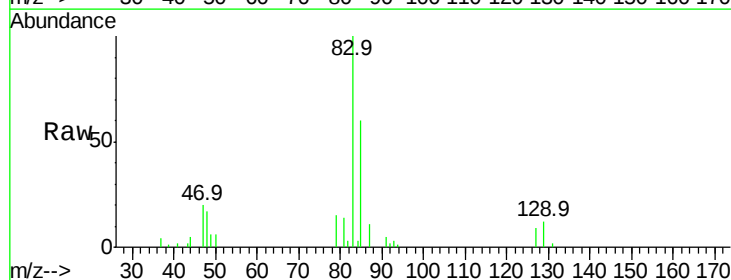
Delta R.T. 0.00 min

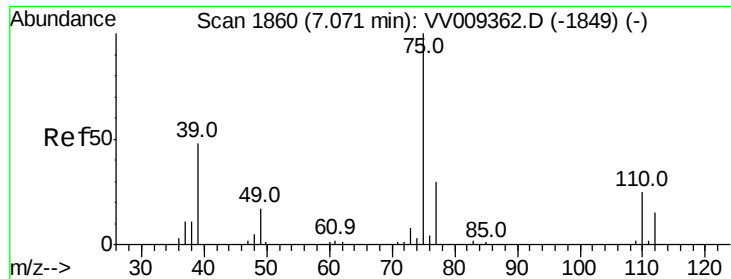
Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Tgt Ion: 83 Resp: 14699

Ion	Ratio	Lower	Upper
83	100		
85	59.5	44.9	83.5
127	9.3	6.3	9.5



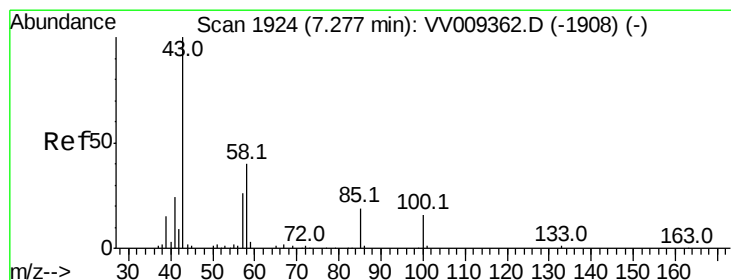
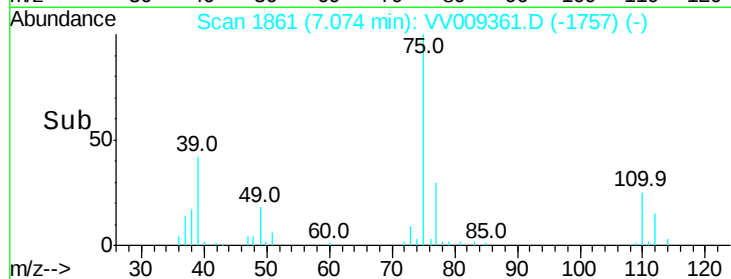
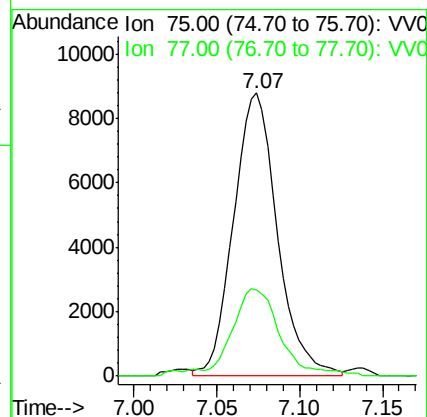
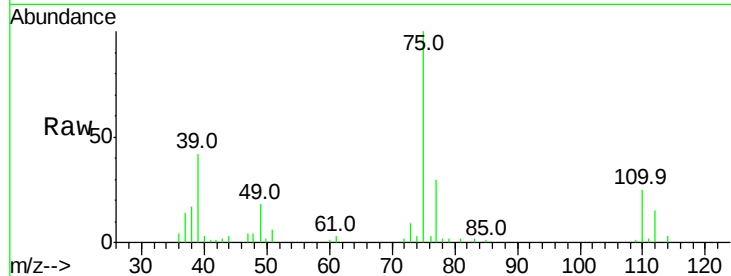


#42

cis-1,3-Dichloropropene
 Concen: 5.048 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

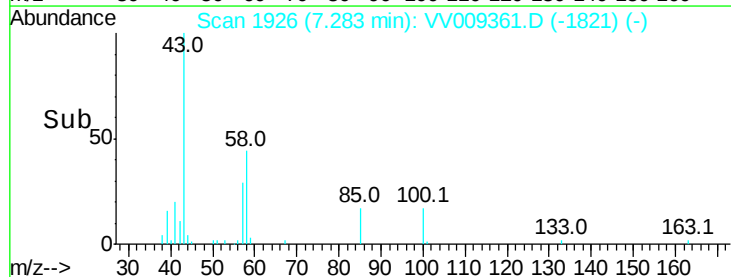
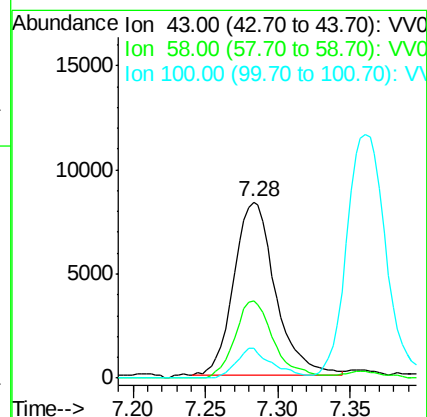
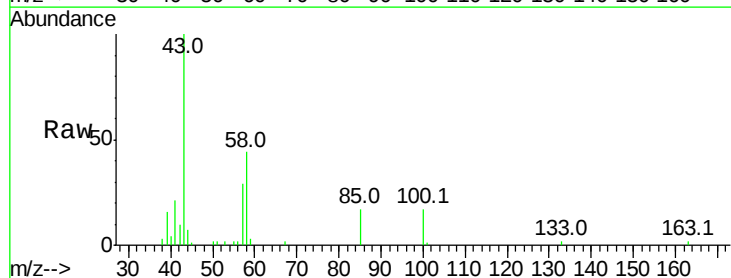
Tgt Ion: 75 Resp: 16169
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.0 40.8

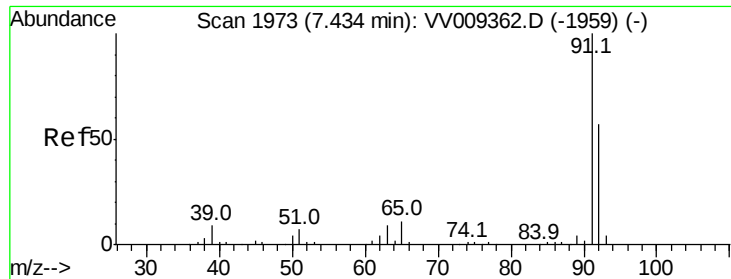


#43

4-Methyl-2-pentanone
 Concen: 10.408 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Tgt Ion: 43 Resp: 16491
 Ion Ratio Lower Upper
 43 100
 58 41.5 34.2 51.4
 100 15.0 15.1 22.7#





#44

Toluene

Concen: 5.168 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

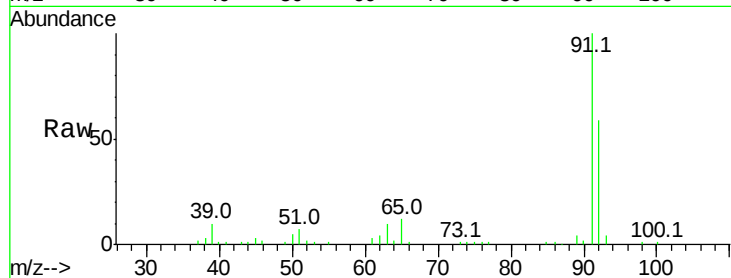
VSTD00582

Tgt Ion: 91 Resp: 44576

Ion Ratio Lower Upper

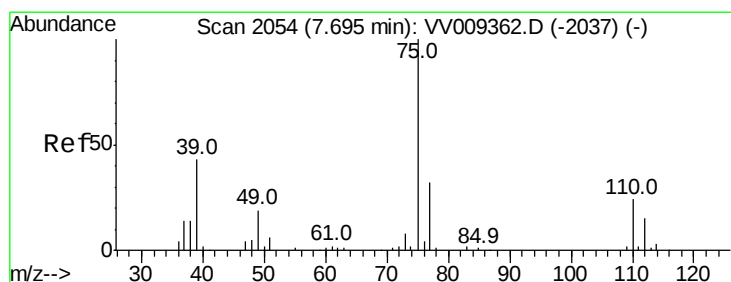
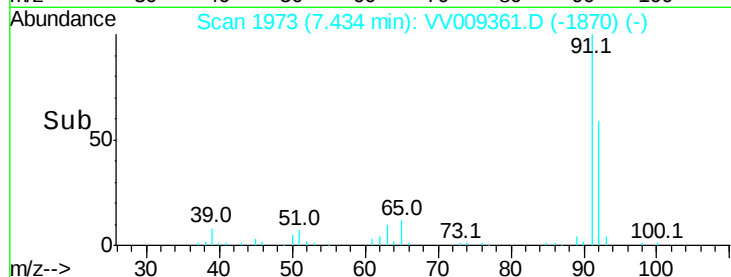
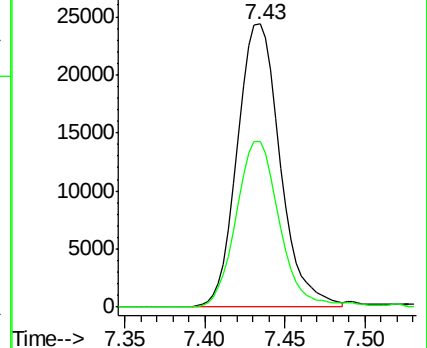
91 100

92 58.7 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 4.991 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009361.D

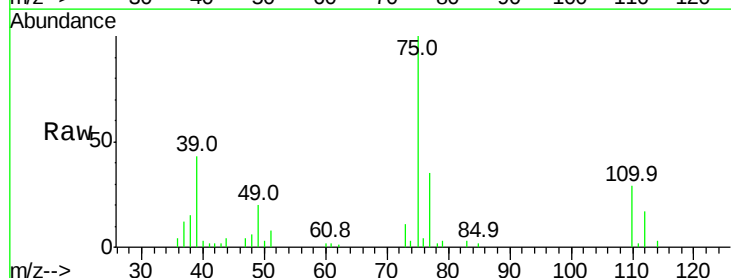
Acq: 26 Feb 2019 10:34

Tgt Ion: 75 Resp: 14000

Ion Ratio Lower Upper

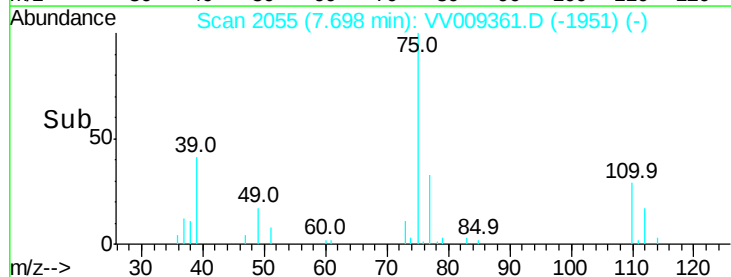
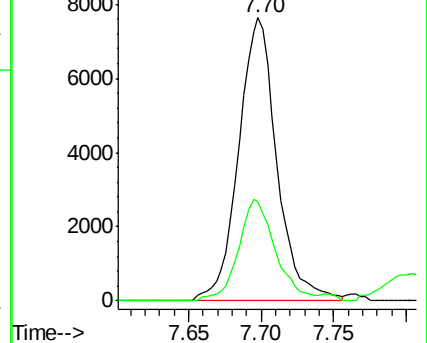
75 100

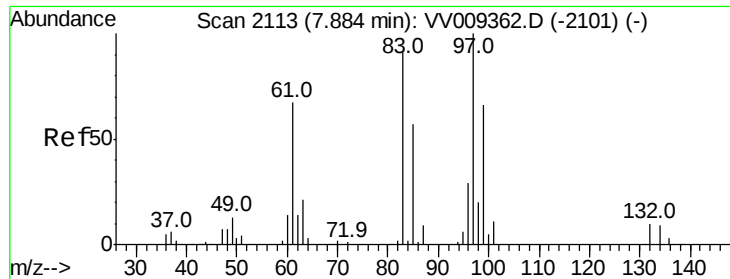
77 34.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

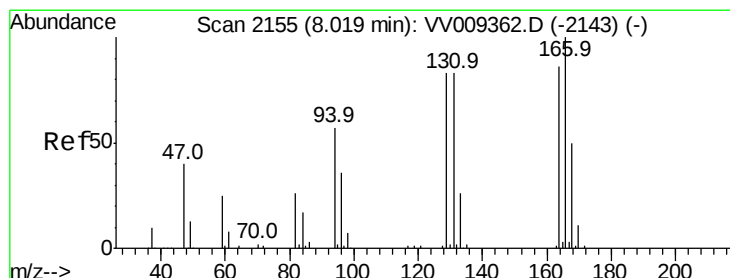
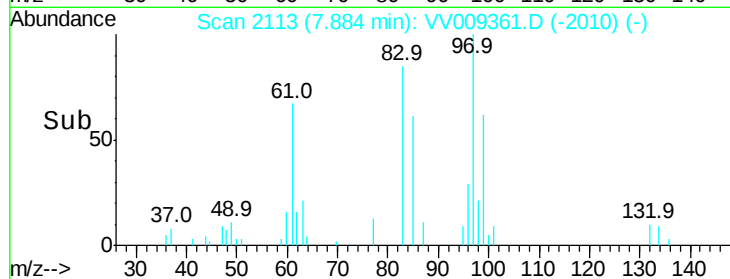
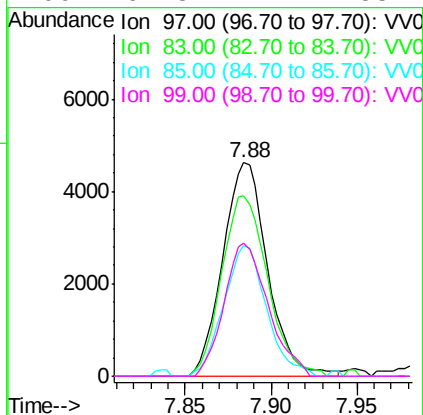
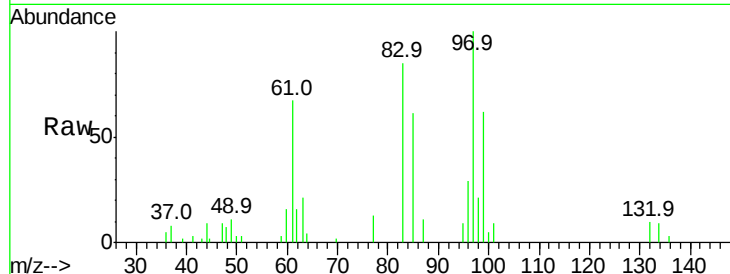




#46
 1,1,2-Trichloroethane
 Concen: 4.982 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

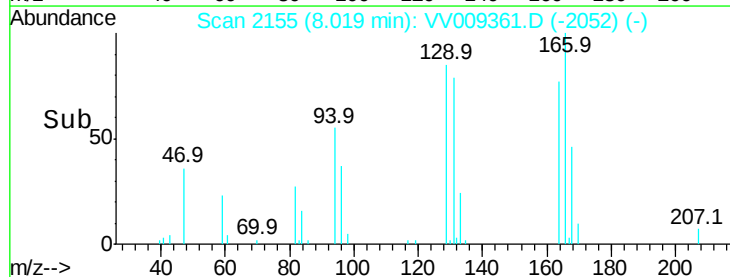
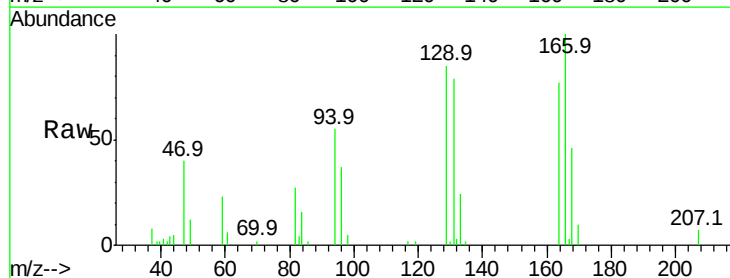
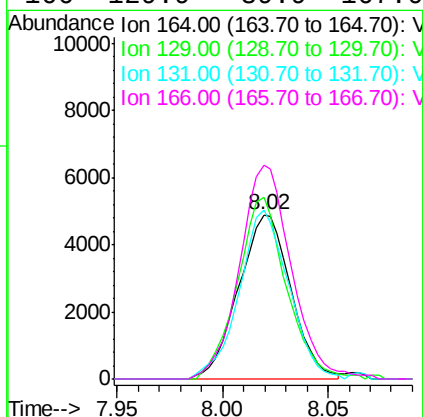
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

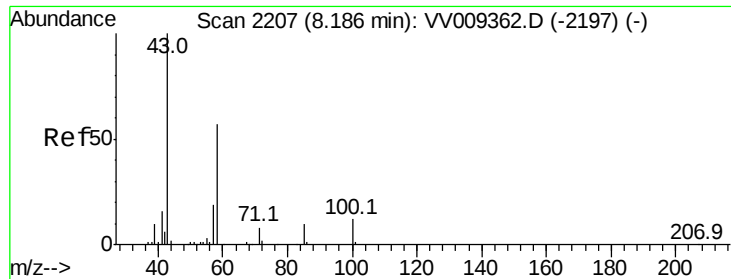
Tgt Ion:	97	Resp:	8374
Ion	Ratio	Lower	Upper
97	100		
83	84.7	58.1	107.9
85	61.4	38.4	71.2
99	62.3	44.7	83.1



#47
 Tetrachloroethene
 Concen: 4.981 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Tgt Ion:	164	Resp:	8420
Ion	Ratio	Lower	Upper
164	100		
129	110.4	67.0	124.4
131	102.9	65.0	120.8
166	129.9	89.9	167.0

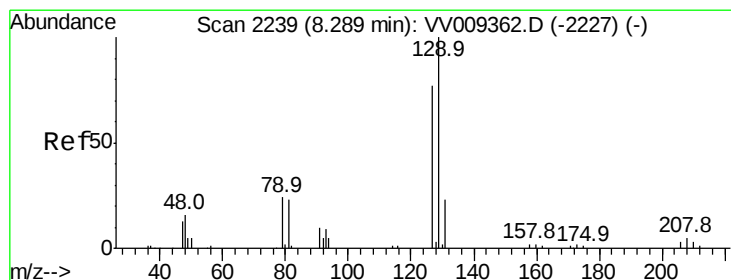
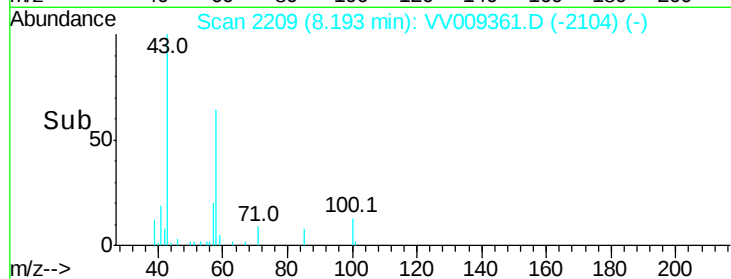
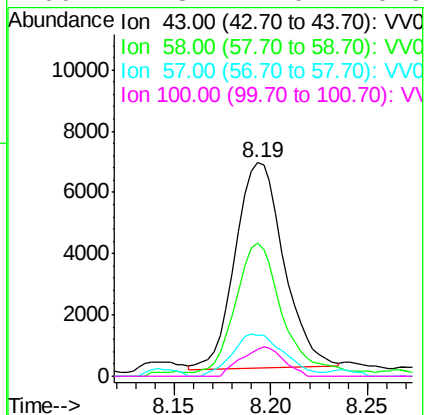
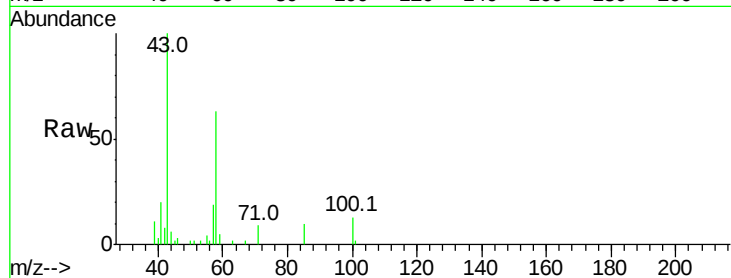




#49
2-Hexanone
Concen: 9.570 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

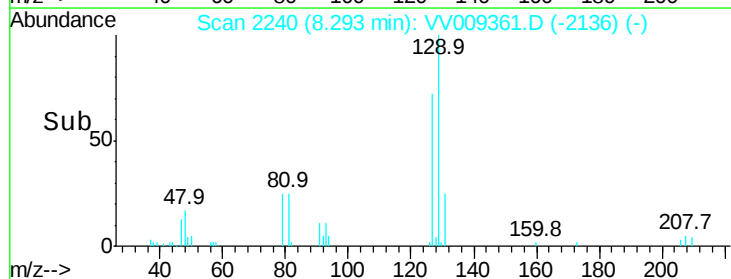
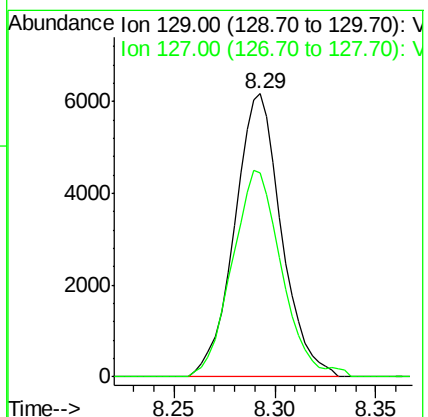
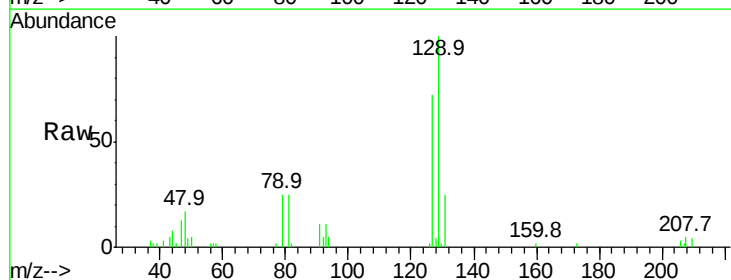
Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

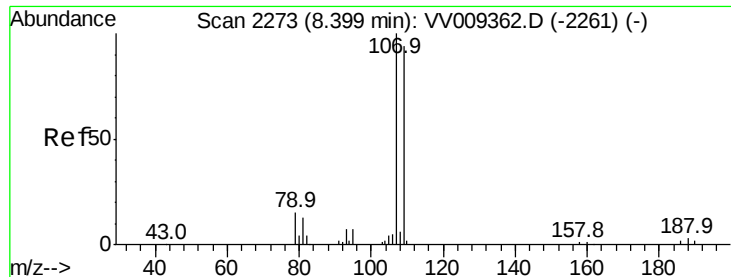
Tgt Ion: 43 Resp: 11661
Ion Ratio Lower Upper
43 100
58 61.2 46.8 70.2
57 22.0 14.2 21.2#
100 12.3 11.0 16.6



#50
Dibromochloromethane
Concen: 4.956 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Tgt Ion: 129 Resp: 10043
Ion Ratio Lower Upper
129 100
127 72.1 53.6 99.6





#51

1,2-Dibromoethane

Concen: 5.036 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

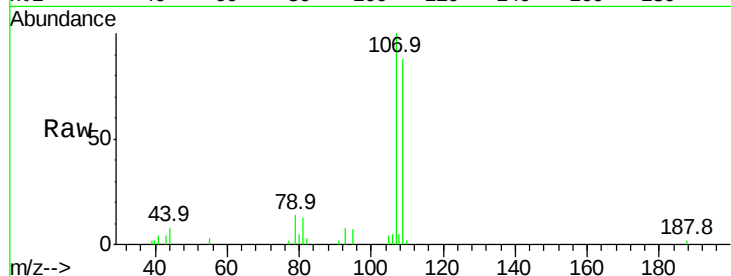
Tgt Ion:107 Resp: 8489

Ion Ratio Lower Upper

107 100

109 88.1 64.5 119.9

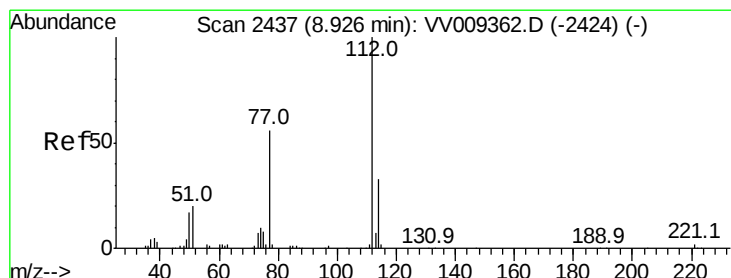
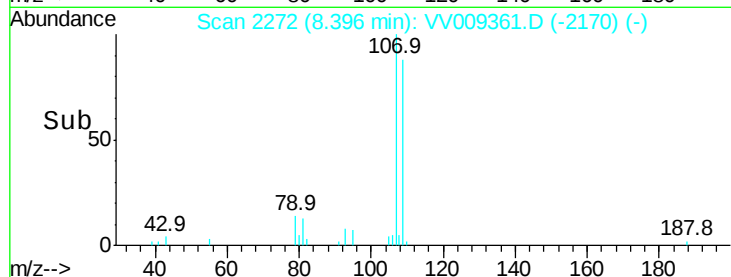
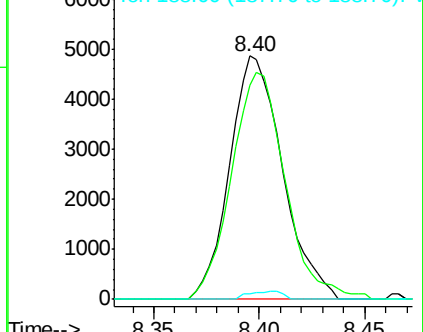
188 2.5 2.8 4.2#



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: 4.992 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

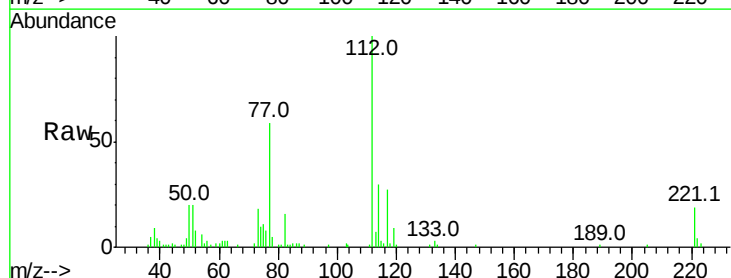
Tgt Ion:112 Resp: 28039

Ion Ratio Lower Upper

112 100

77 58.6 45.0 67.4

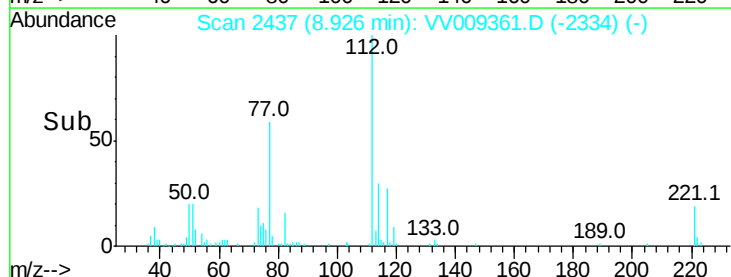
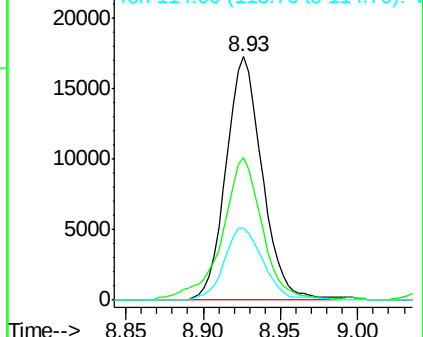
114 29.8 22.0 41.0

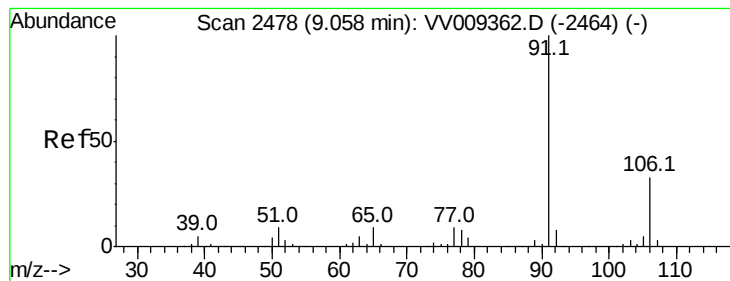


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.276 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

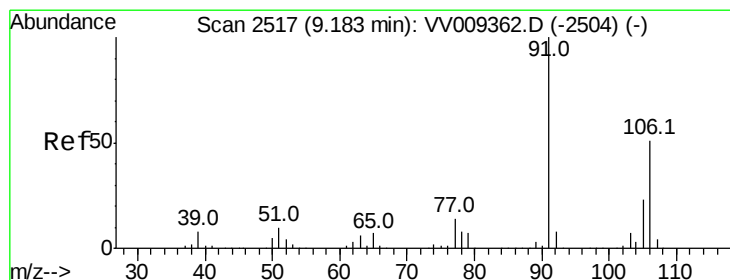
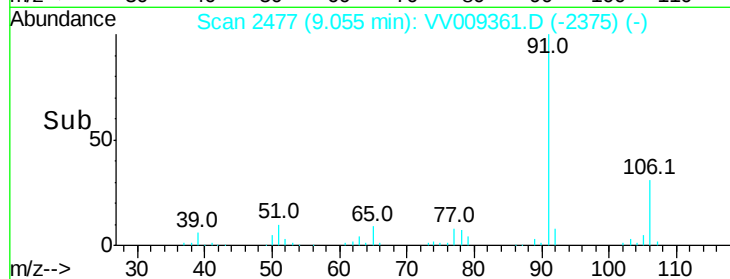
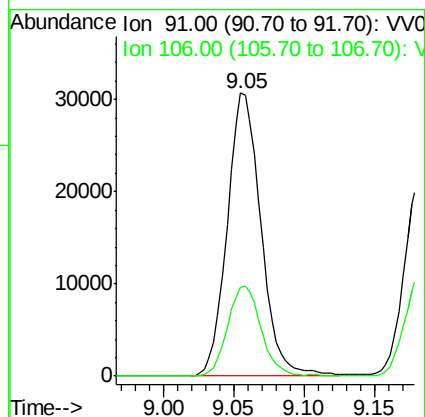
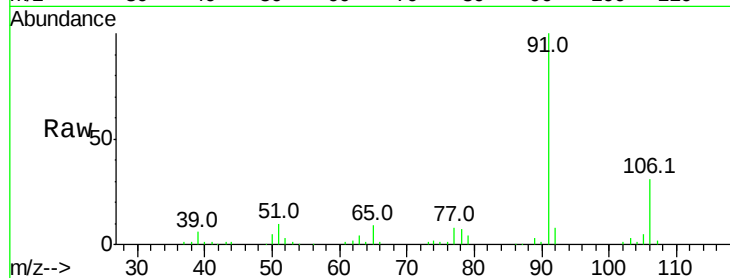
VSTD00582

Tgt Ion: 91 Resp: 51413

Ion Ratio Lower Upper

91 100

106 31.2 22.2 41.2



#54

m,p-Xylene

Concen: 5.295 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009361.D

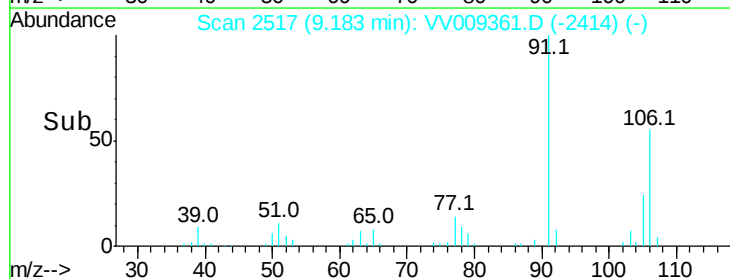
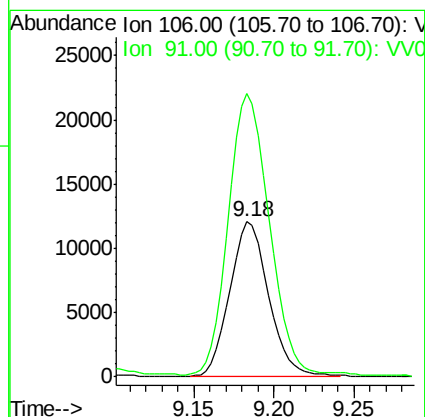
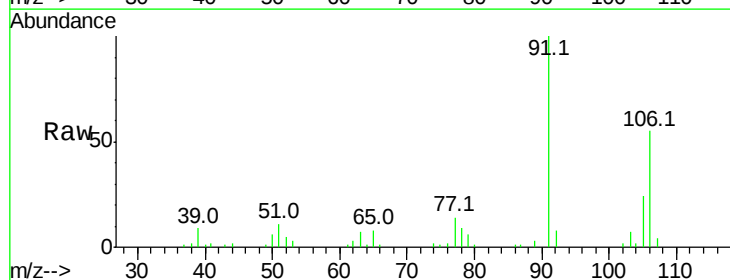
Acq: 26 Feb 2019 10:34

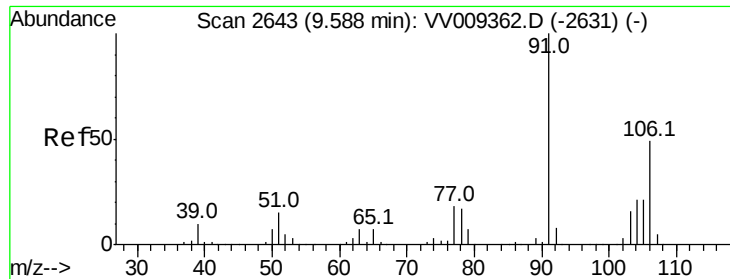
Tgt Ion: 106 Resp: 20132

Ion Ratio Lower Upper

106 100

91 182.4 141.4 262.6

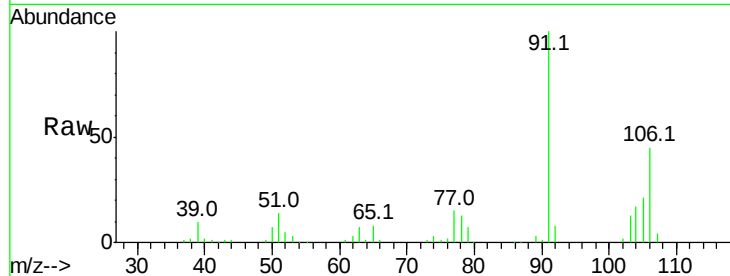




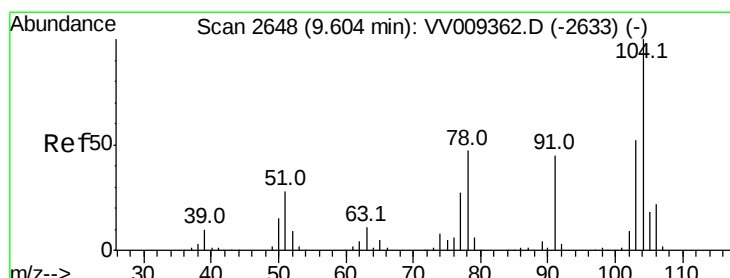
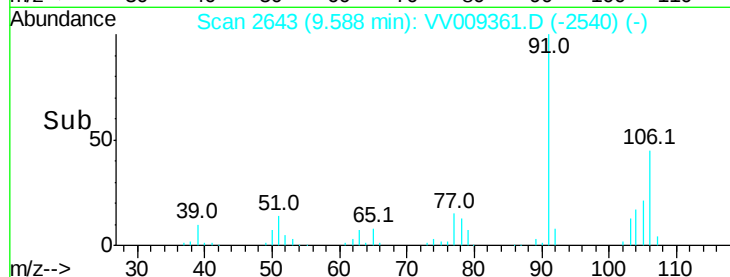
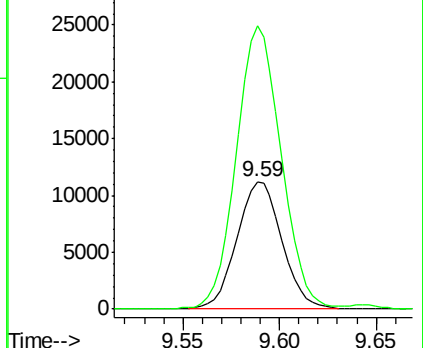
#55
o-xylene
Concen: 5.108 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD00582

Tgt Ion:106 Resp: 18228
Ion Ratio Lower Upper
106 100
91 221.8 146.4 271.8

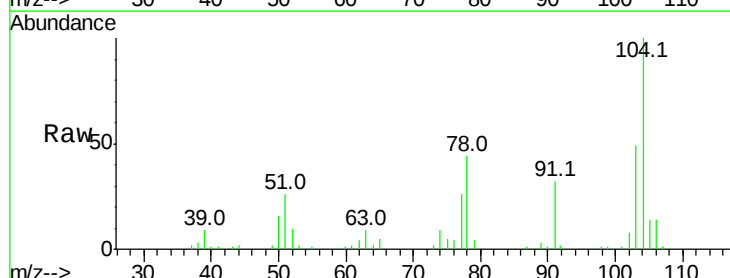


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

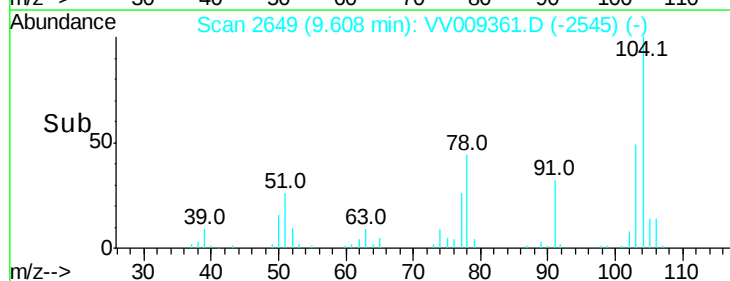
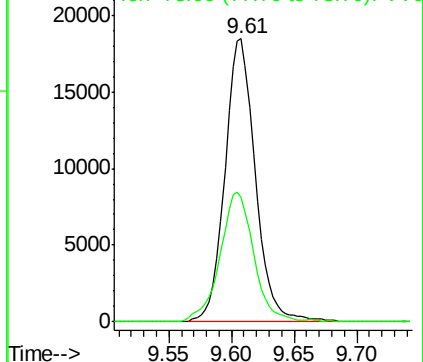


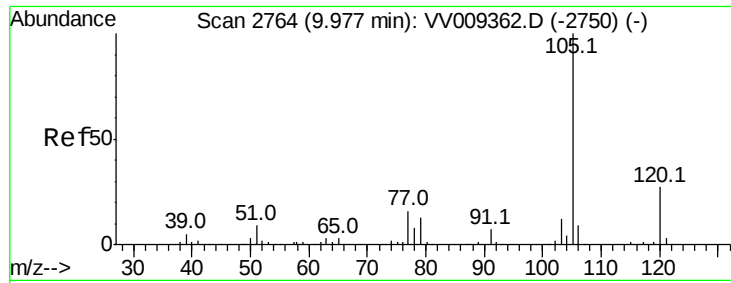
#56
Styrene
Concen: 5.081 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009361.D
Acq: 26 Feb 2019 10:34

Tgt Ion:104 Resp: 31117
Ion Ratio Lower Upper
104 100
78 44.0 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: 5.215 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

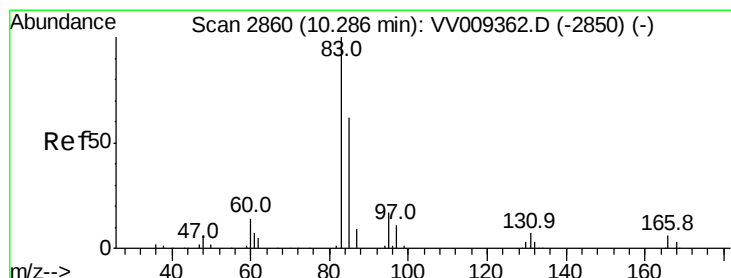
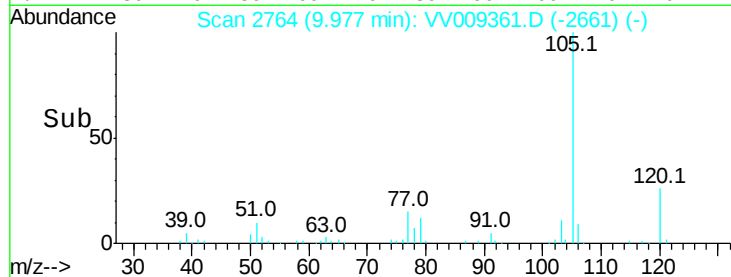
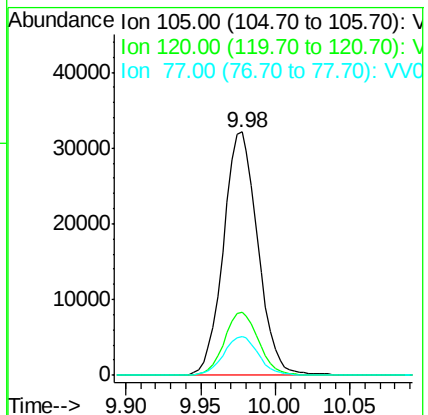
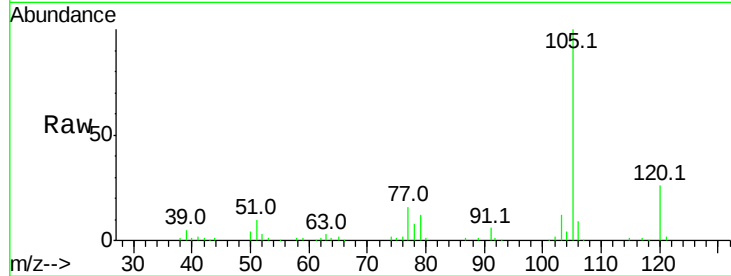
Tgt Ion: 105 Resp: 51518

Ion Ratio Lower Upper

105 100

120 25.8 21.7 32.5

77 16.2 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 4.884 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

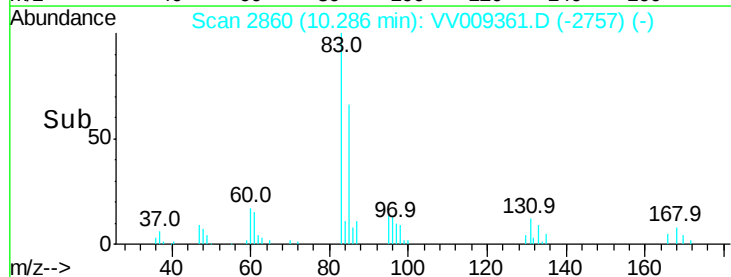
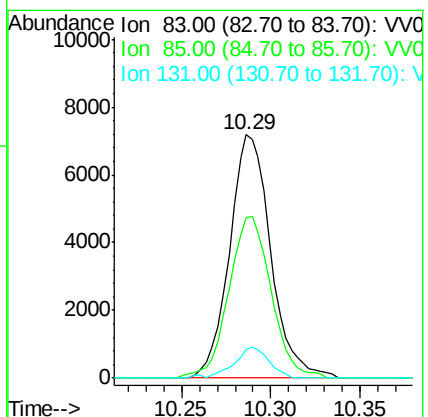
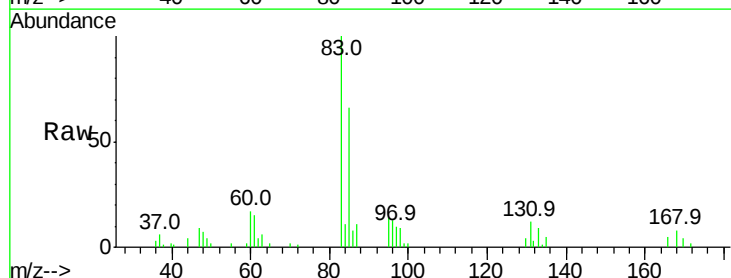
Tgt Ion: 83 Resp: 11585

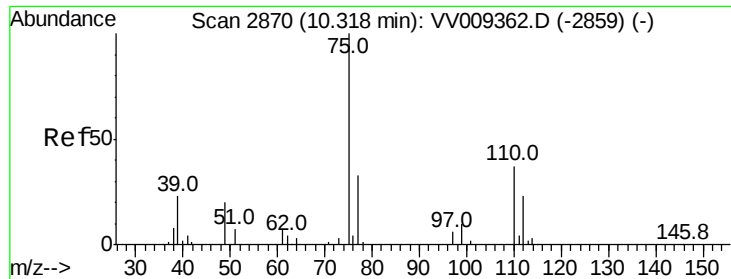
Ion Ratio Lower Upper

83 100

85 65.9 44.7 83.1

131 11.6 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 4.946 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

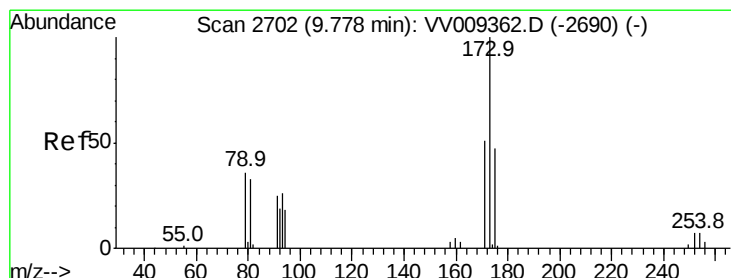
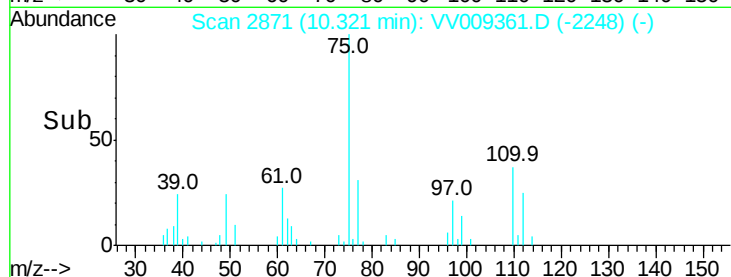
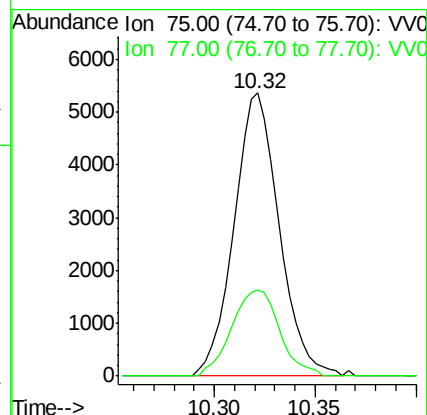
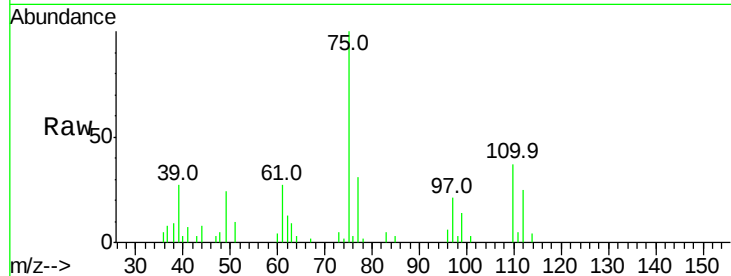
VSTD00582

Tgt Ion: 75 Resp: 8406

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



#62

Bromoform

Concen: 5.024 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

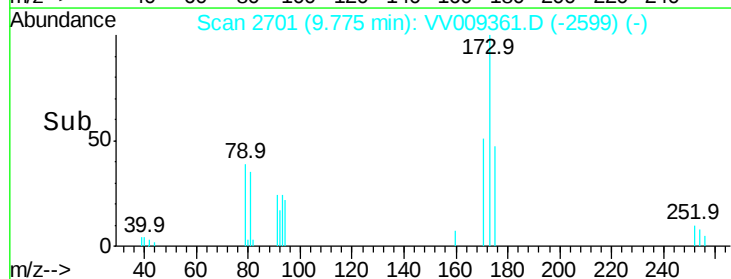
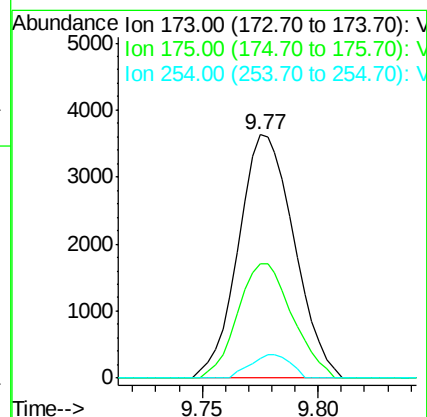
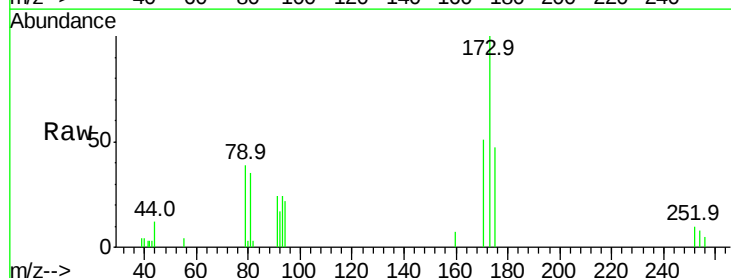
Tgt Ion: 173 Resp: 6052

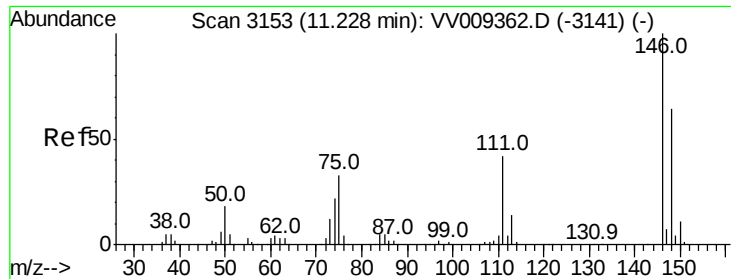
Ion Ratio Lower Upper

173 100

175 46.2 39.1 58.7

254 6.9 5.7 8.5

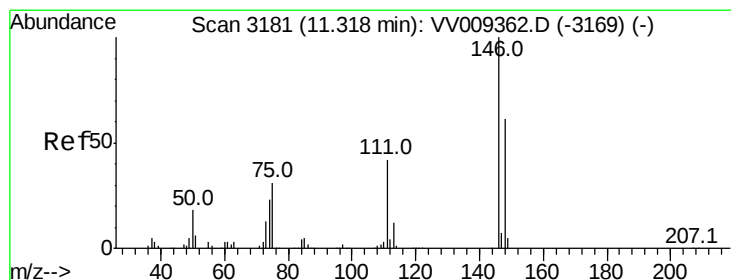
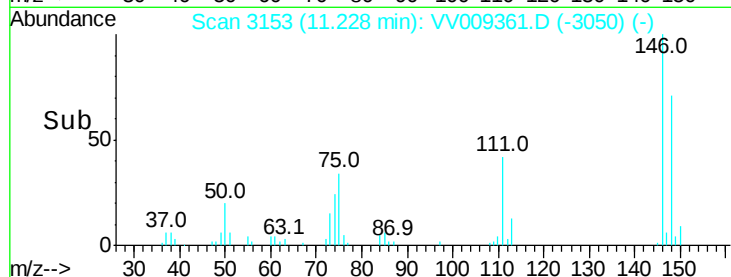
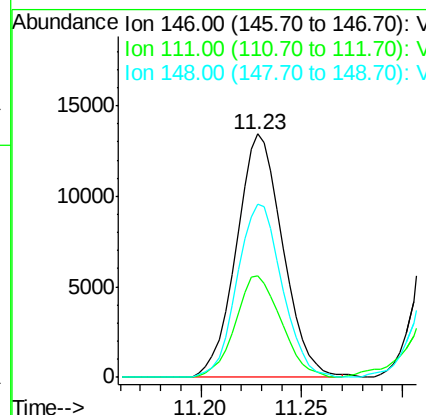
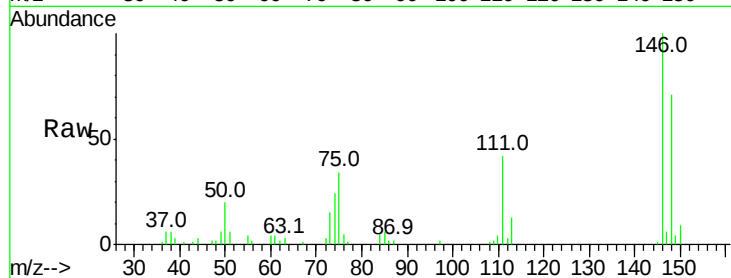




#63
 1,3-Dichlorobenzene
 Concen: 5.167 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

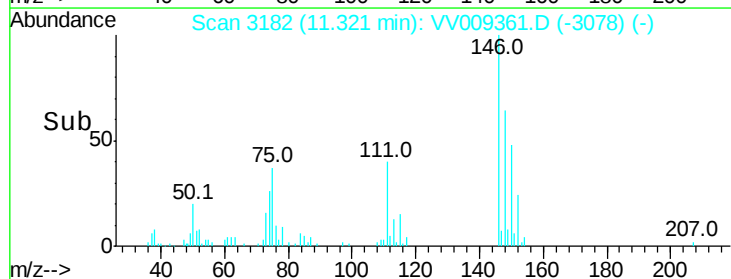
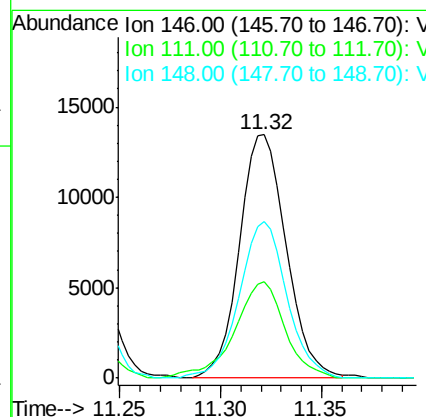
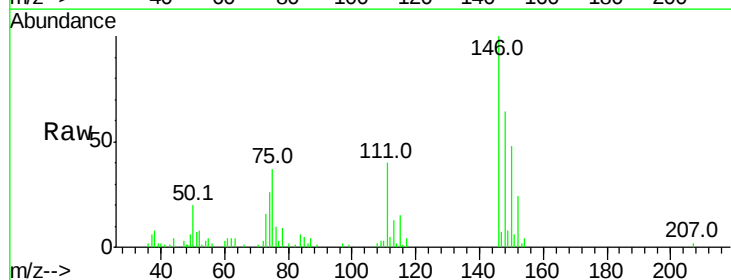
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

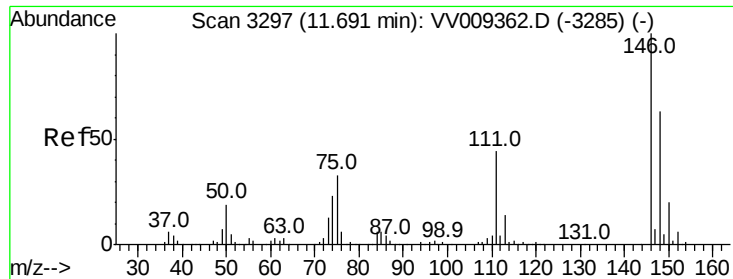
Tgt Ion:146 Resp: 21626
 Ion Ratio Lower Upper
 146 100
 111 41.7 27.6 51.4
 148 71.1 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 5.255 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Tgt Ion:146 Resp: 21924
 Ion Ratio Lower Upper
 146 100
 111 39.8 26.9 50.1
 148 64.4 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 5.158 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

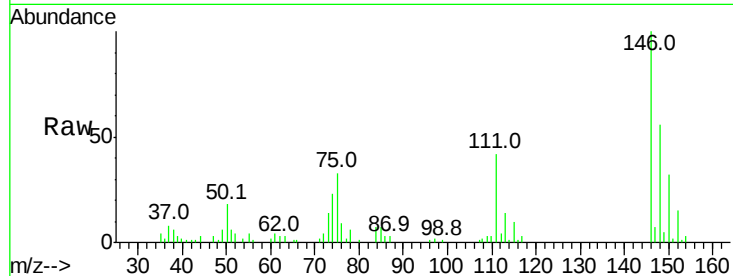
Tgt Ion:146 Resp: 20245

Ion Ratio Lower Upper

146 100

111 41.6 32.6 48.8

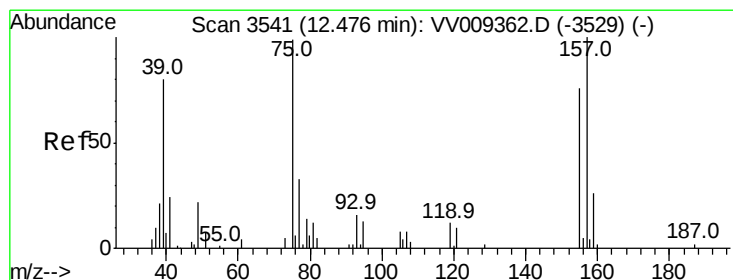
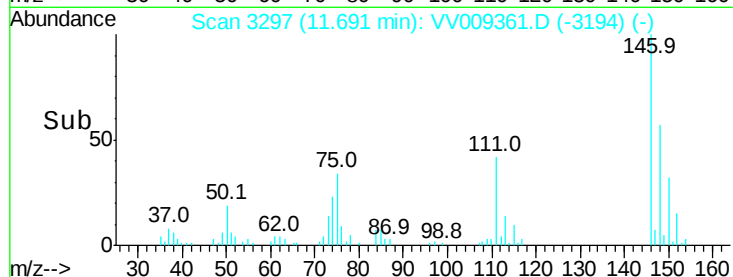
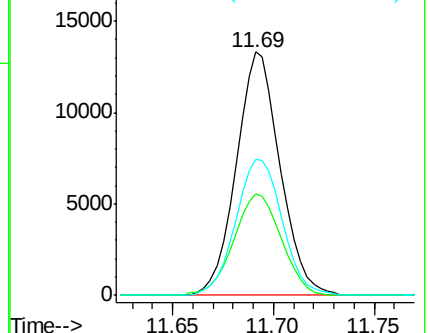
148 55.7 51.1 76.7



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: 4.807 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

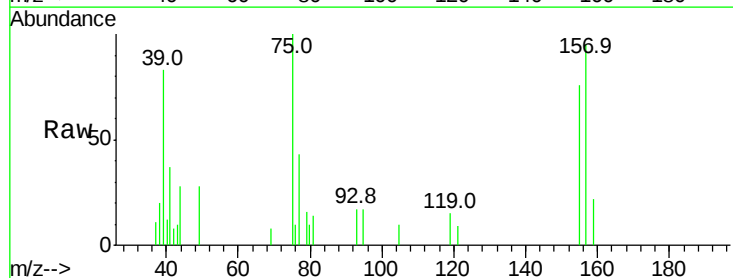
Tgt Ion: 75 Resp: 2095

Ion Ratio Lower Upper

75 100

157 94.9 88.6 133.0

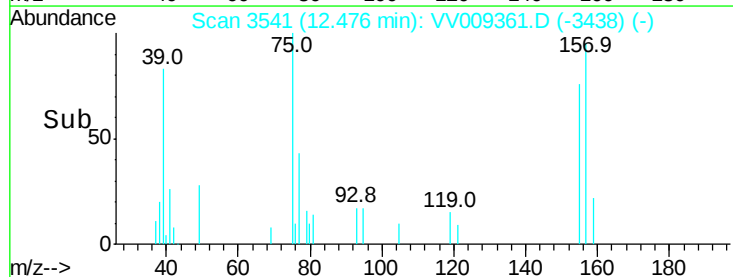
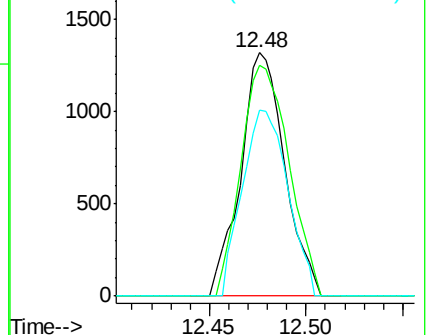
155 76.3 66.6 100.0

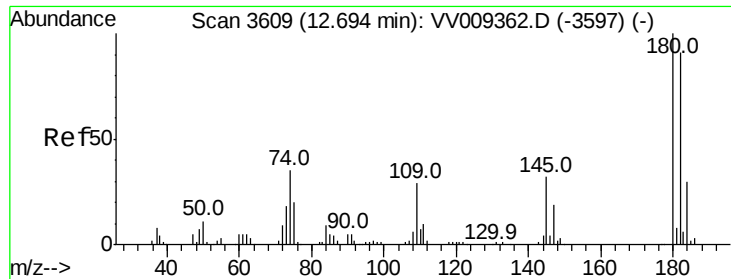


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

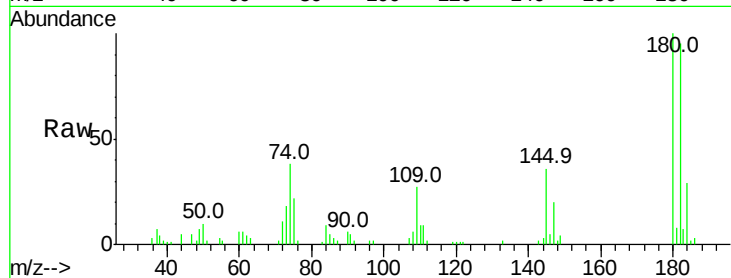




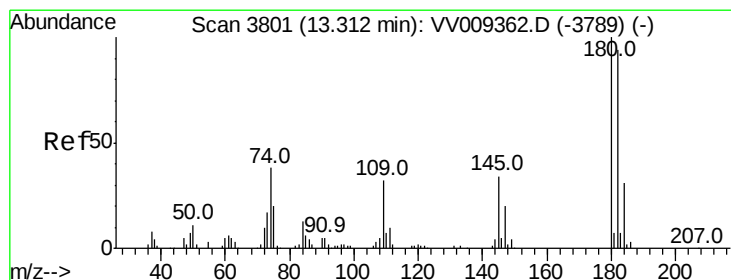
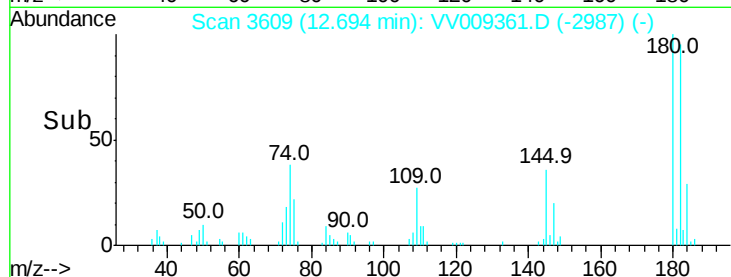
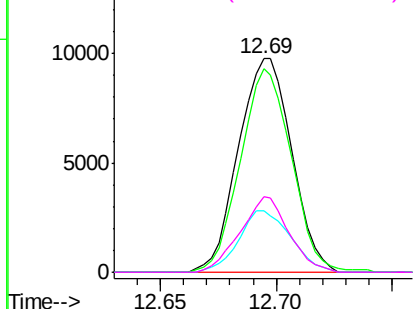
#67
 1,3,5-Trichlorobenzene
 Concen: 5.151 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00582

Tgt Ion:180 Resp: 15600
 Ion Ratio Lower Upper
 180 100
 182 90.9 77.4 116.2
 184 28.2 24.9 37.3
 145 32.4 24.3 36.5

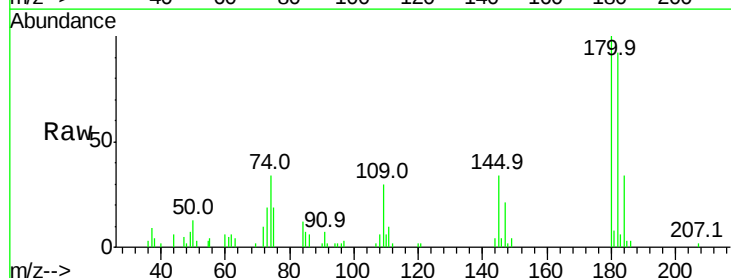


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

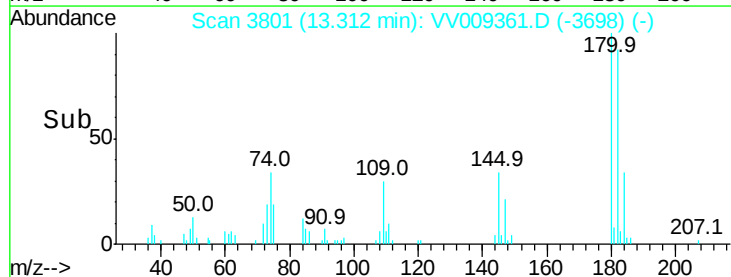
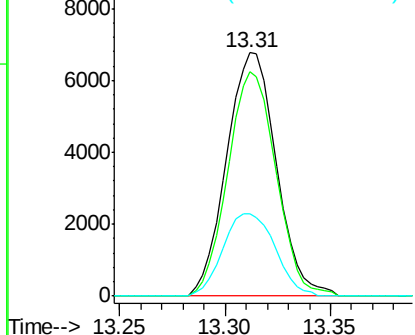


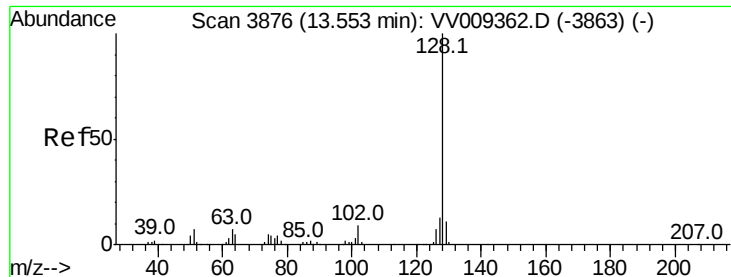
#68
 1,2,4-trichlorobenzene
 Concen: 4.507 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009361.D
 Acq: 26 Feb 2019 10:34

Tgt Ion:180 Resp: 11137
 Ion Ratio Lower Upper
 180 100
 182 89.1 76.7 115.1
 145 35.6 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: 3.886 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00582

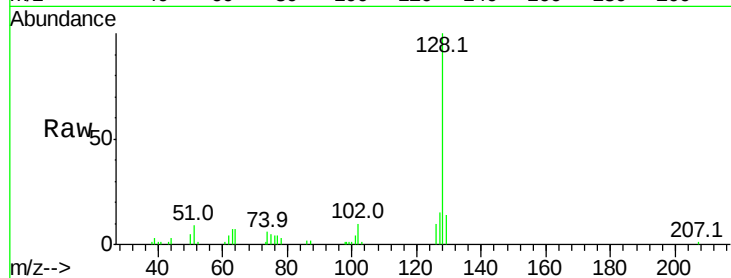
Tgt Ion:128 Resp: 20582

Ion Ratio Lower Upper

128 100

129 12.0 8.6 13.0

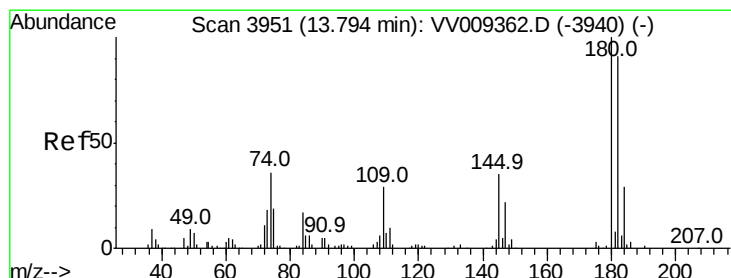
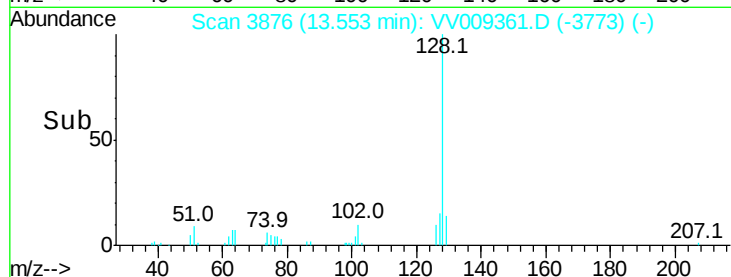
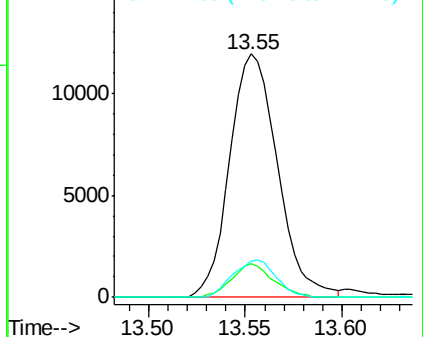
127 13.7 10.5 15.7



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: 4.478 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009361.D

Acq: 26 Feb 2019 10:34

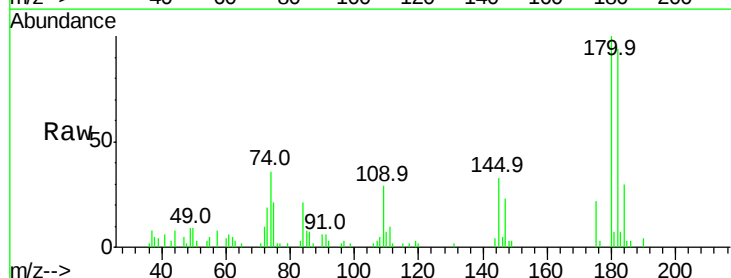
Tgt Ion:180 Resp: 10214

Ion Ratio Lower Upper

180 100

182 89.5 73.6 110.4

145 33.1 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

