

Data File : VV008904.D
Acq On : 13 Dec 2018 12:25
Operator : SY/MD
Sample : VSTD01071
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

Quant Time: Dec 14 00:24:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:21:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	205429	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	186759	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81165	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12395	8.81	ug/L	0.00
7) Chloroethane-d5	1.56	69	6736	8.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	29016	11.81	ug/L	0.00
21) 2-Butanone-d5	3.94	46	15389	13.93	ug/L	0.00
24) Chloroform-d	4.41	84	25792	8.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	16138	8.79	ug/L	0.00
32) Benzene-d6	5.10	84	50369	8.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15109	8.59	ug/L	0.00
41) Toluene-d8	7.36	98	46474	9.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7208	8.89	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	9955	12.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	18844	7.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	17296	9.82	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14386	8.875 ug/L	98
3) Chloromethane	1.25	50	12248	7.909 ug/L	94
5) Vinyl chloride	1.33	62	12812	8.447 ug/L	96
6) Bromomethane	1.51	94	5956	10.715 ug/L	96
8) Chloroethane	1.57	64	5761	7.814 ug/L	89
9) Trichlorofluoromethane	1.75	101	22802	10.940 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14073	11.641 ug/L	97
12) 1,1-Dichloroethene	2.14	96	13141	12.106 ug/L	91
13) Acetone	2.19	43	23300	20.079 ug/L	96
14) Carbon disulfide	2.31	76	36884	9.255 ug/L	100
15) Methyl Acetate	2.46	43	14644	8.419 ug/L	97
16) Methylene chloride	2.53	84	14859	9.386 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	12804	8.991 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	39716	8.424 ug/L	97
19) 1,1-Dichloroethane	3.23	63	22703	8.434 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	14872	9.080 ug/L	94
22) 2-Butanone	4.02	43	19650	14.048 ug/L	97
23) Bromochloromethane	4.30	128	7597	9.462 ug/L	94
25) Chloroform	4.43	83	25369	8.897 ug/L	99
27) 1,2-Dichloroethane	5.18	62	19793	9.000 ug/L	97
29) Cyclohexane	4.73	56	19586	8.088 ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	22358	9.670 ug/L	98
31) Carbon tetrachloride	4.87	117	20642	10.580 ug/L	96
33) Benzene	5.15	78	52831	8.989 ug/L	100
34) Trichloroethene	5.96	95	15186	9.670 ug/L	98
35) Methylcyclohexane	6.18	83	20142	7.860 ug/L	95
37) 1,2-Dichloropropane	6.22	63	13731	8.706 ug/L	# 93
38) Bromodichloromethane	6.56	83	17717	9.179 ug/L	92
39) cis-1,3-Dichloropropene	7.07	75	20647	9.076 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	30993	14.448 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	54251	8.857	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	18759	8.994	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	13586	9.262	ug/L	98
46) Tetrachloroethene	8.02	164	11876	10.248	ug/L	94
48) 2-Hexanone	8.19	43	24287	14.276	ug/L	97
49) Dibromochloromethane	8.29	129	14917	9.944	ug/L	96
50) 1,2-Dibromoethane	8.40	107	13891	9.028	ug/L #	92
51) Chlorobenzene	8.93	112	37616	9.534	ug/L	98
52) Ethylbenzene	9.06	91	57814	8.601	ug/L	98
53) m,p-Xylene	9.18	106	21912	8.823	ug/L	95
54) o-xylene	9.59	106	21673	8.756	ug/L	100
55) Styrene	9.61	104	35971	8.733	ug/L	99
56) Isopropylbenzene	9.98	105	56267	8.642	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	19009	7.826	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	16600	8.352	ug/L	96
61) Bromoform	9.78	173	10543	11.387	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	25524	9.396	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	26027	9.425	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	25935	9.237	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3317	7.531	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	14170	7.586	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	7481	5.409	ug/L	97
69) Naphthalene	13.55	128	20427	5.396	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	7416	5.210	ug/L	93

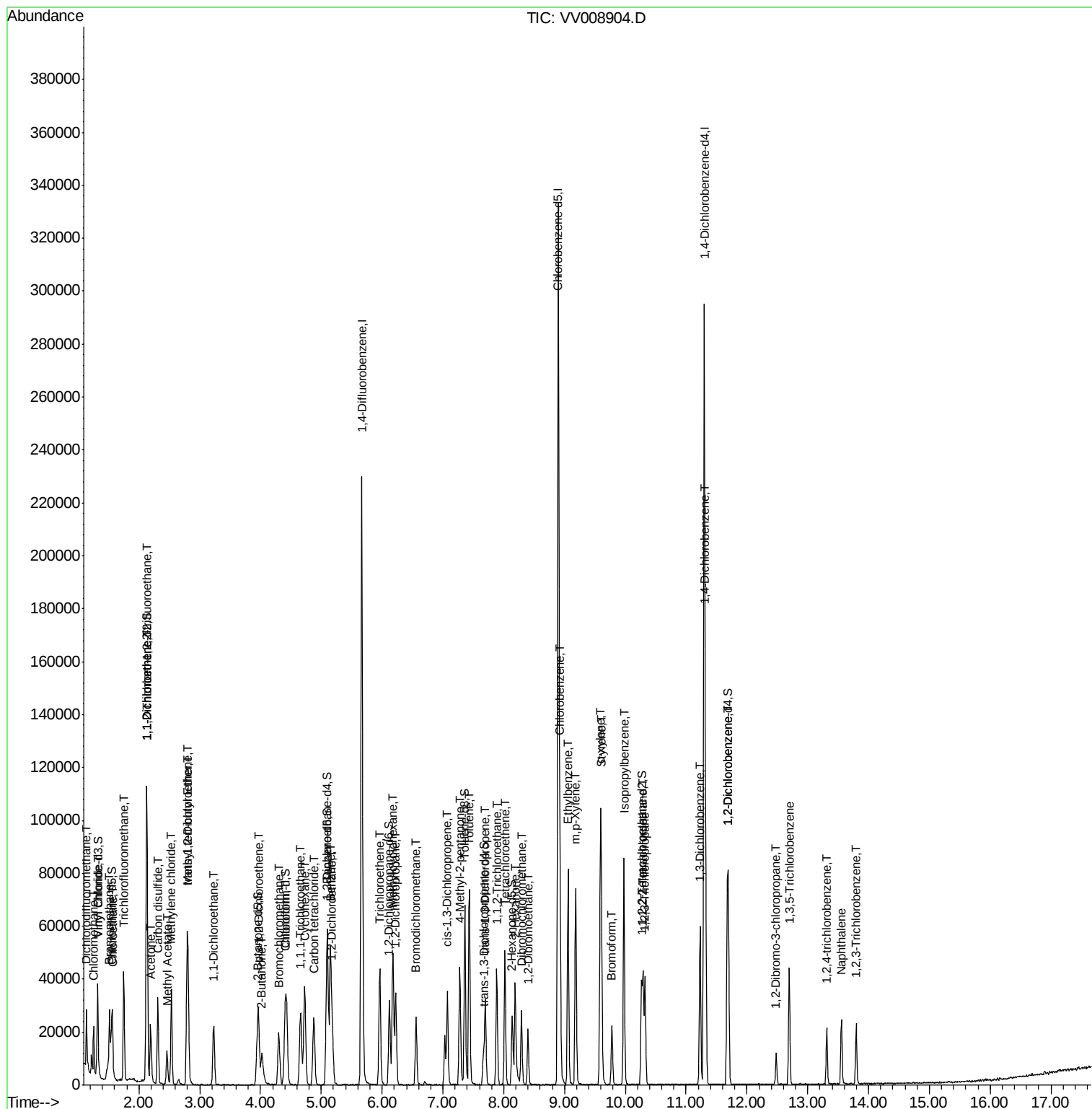
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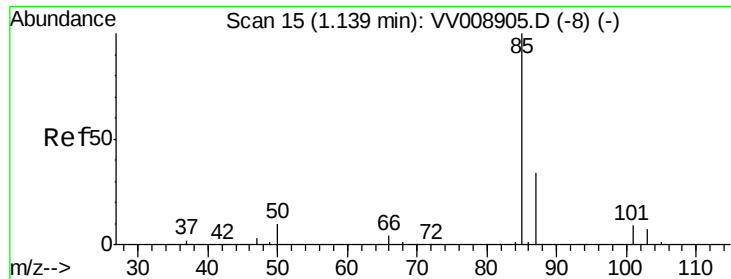
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#2

Dichlorodifluoromethane

Concen: 8.875 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

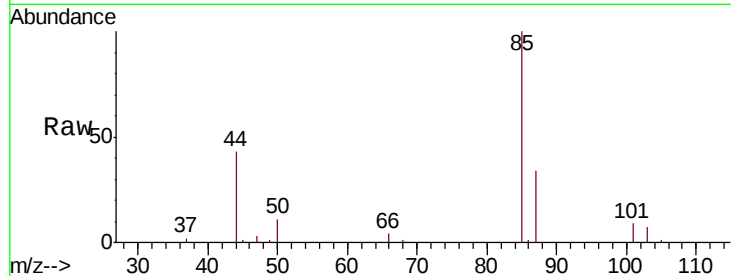
VSTD01071

Tgt Ion: 85 Resp: 14386

Ion Ratio Lower Upper

85 100

87 33.7 26.2 39.4



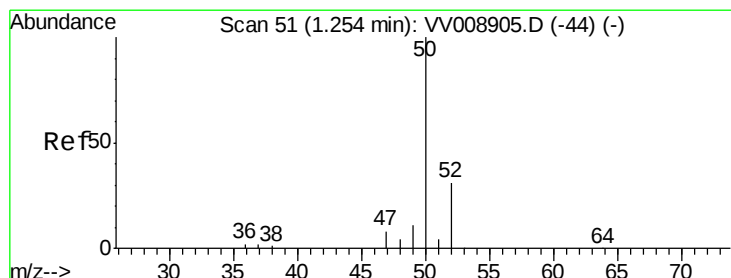
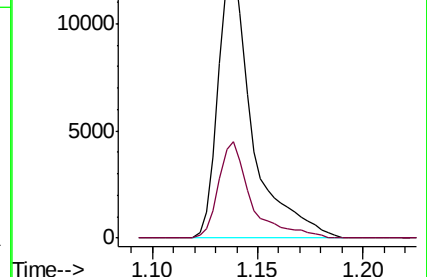
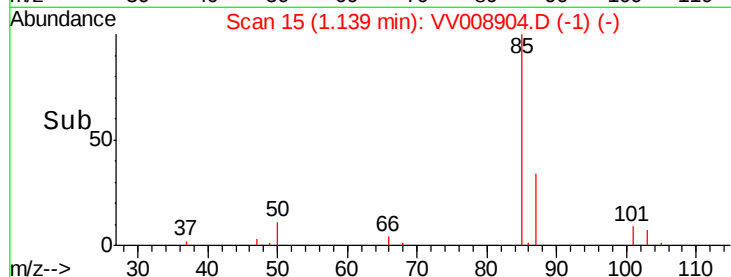
Abundance Ion 85.00 (84.70 to 85.70): VV008905.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008905.D (-8) (-)

1.14

1.15

1.20



#3

Chloromethane

Concen: 7.909 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008904.D

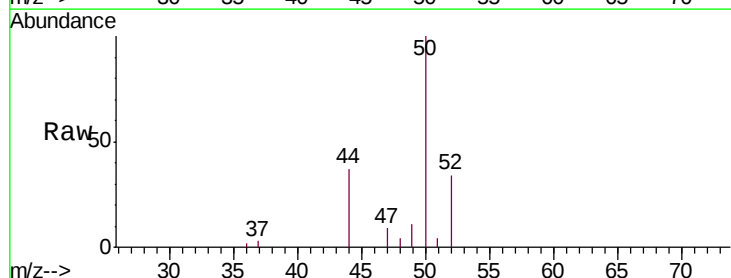
Acq: 13 Dec 2018 12:25

Tgt Ion: 50 Resp: 12248

Ion Ratio Lower Upper

50 100

52 34.4 21.9 40.7

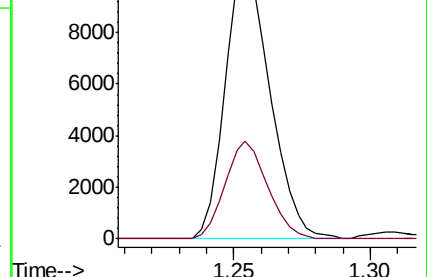
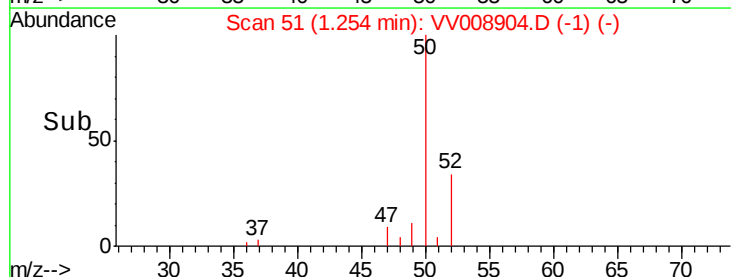


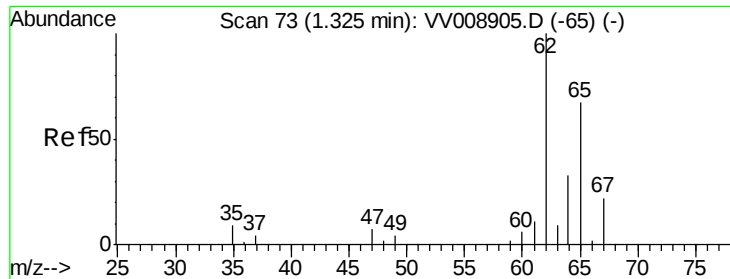
Abundance Ion 50.00 (49.70 to 50.70): VV008905.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008905.D (-44) (-)

1.25

1.30





#5

Vinyl chloride

Concen: 8.447 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

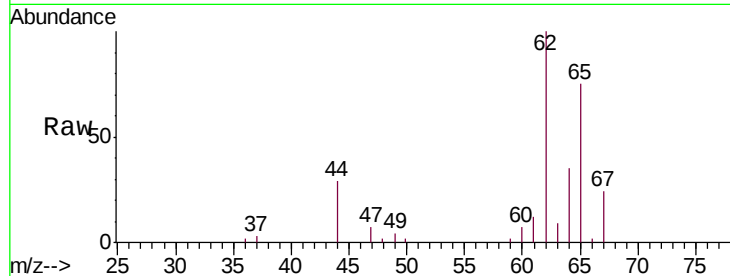
VSTD01071

Tgt Ion: 62 Resp: 12812

Ion Ratio Lower Upper

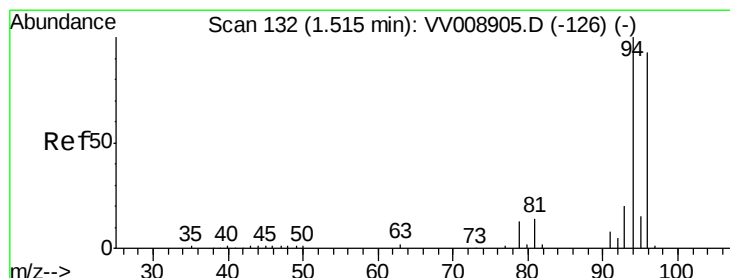
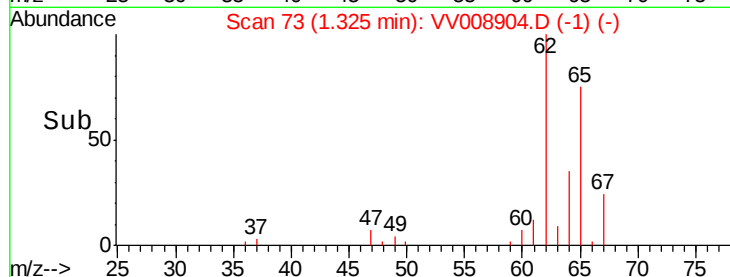
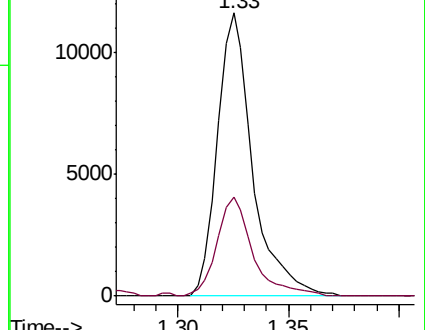
62 100

64 35.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008905.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV008904.D (-39) (-)



#6

Bromomethane

Concen: 10.715 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV008904.D

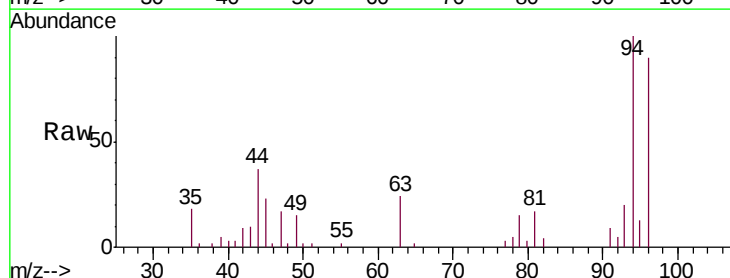
Acq: 13 Dec 2018 12:25

Tgt Ion: 94 Resp: 5956

Ion Ratio Lower Upper

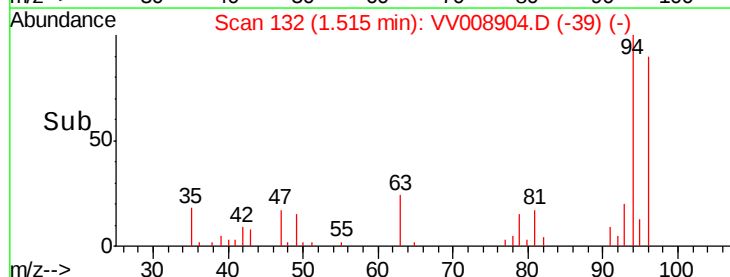
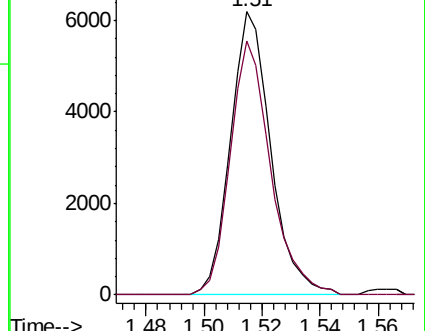
94 100

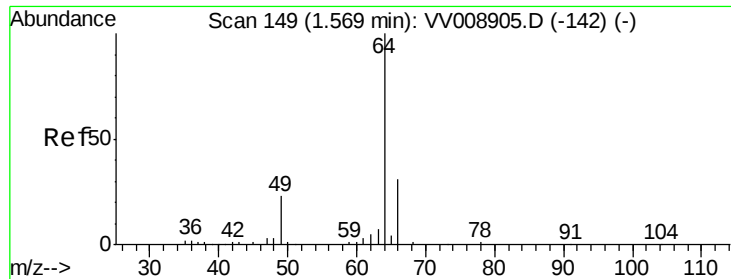
96 89.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV008905.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008904.D (-39) (-)





#8

Chloroethane

Concen: 7.814 ug/L

RT: 1.57 min Scan# 149

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampled :

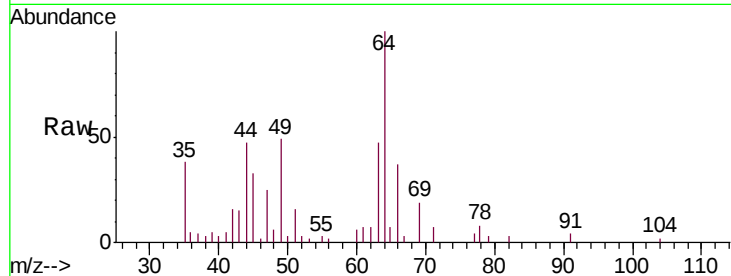
VSTD01071

Tgt Ion: 64 Resp: 5761

Ion Ratio Lower Upper

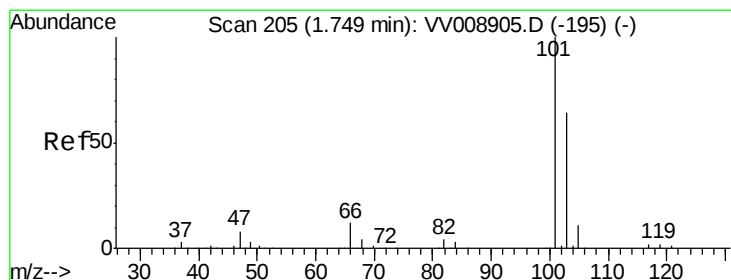
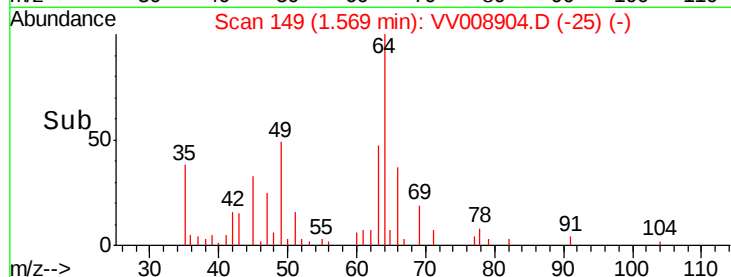
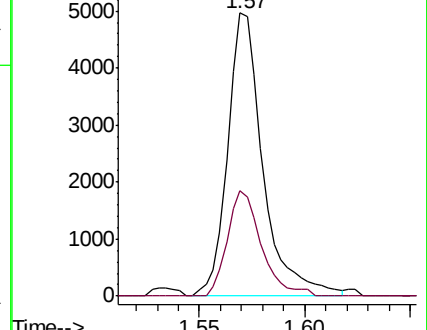
64 100

66 37.3 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV008905.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV008905.D (-142) (-)



#9

Trichlorofluoromethane

Concen: 10.940 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV008904.D

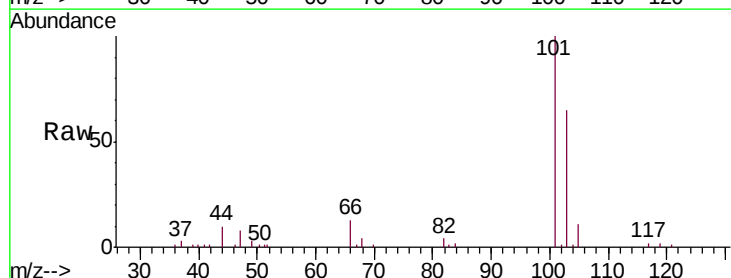
Acq: 13 Dec 2018 12:25

Tgt Ion: 101 Resp: 22802

Ion Ratio Lower Upper

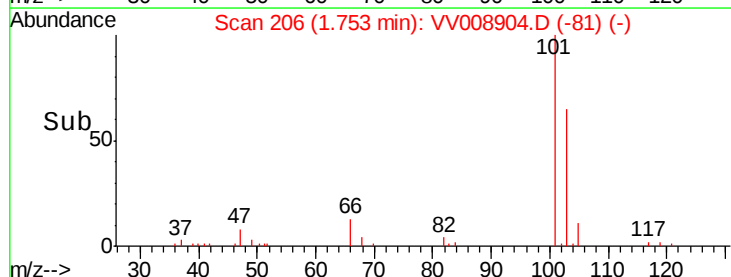
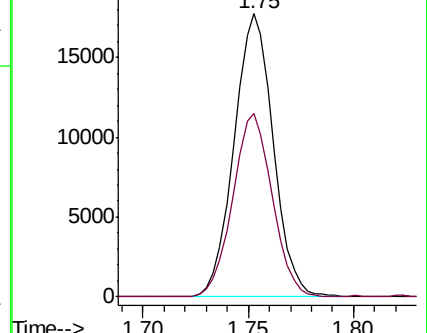
101 100

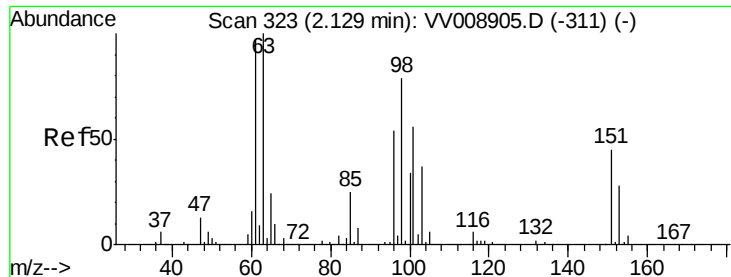
103 65.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008905.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV008905.D (-195) (-)





#10

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

Concen: 11.641 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampled :

VSTD01071

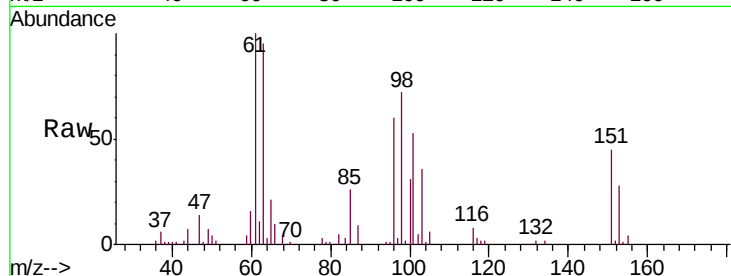
Tgt Ion: 101 Resp: 14073

Ion Ratio Lower Upper

101 100

85 45.4 34.6 52.0

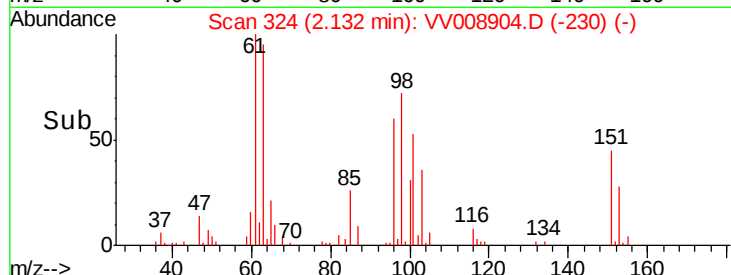
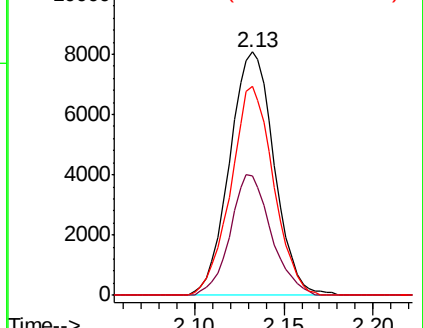
151 82.1 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 12.106 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

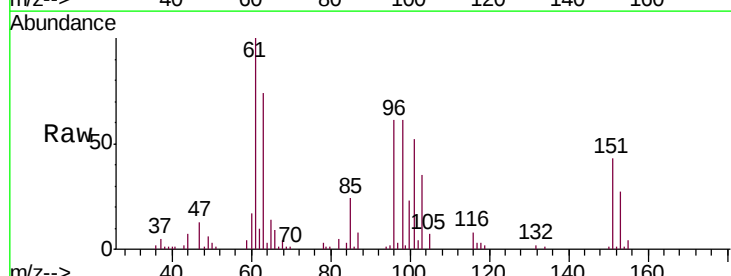
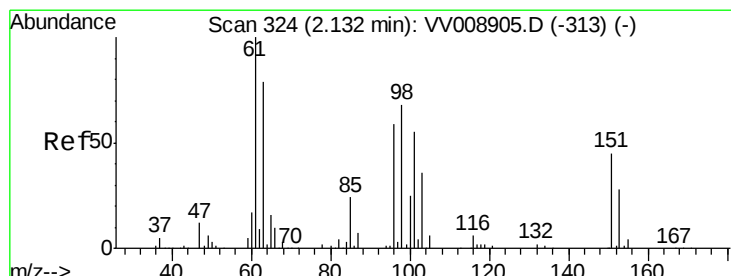
Tgt Ion: 96 Resp: 13141

Ion Ratio Lower Upper

96 100

61 163.1 119.1 221.3

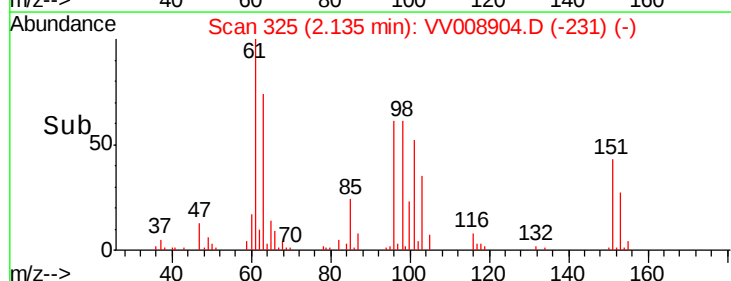
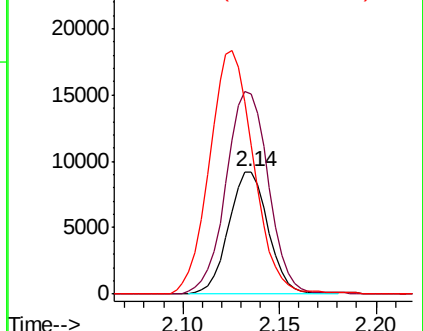
63 121.4 96.0 178.2

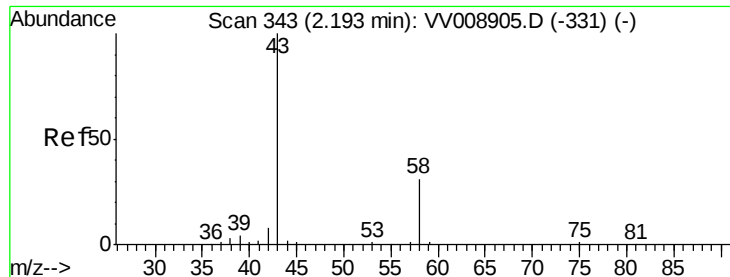


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 20.079 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

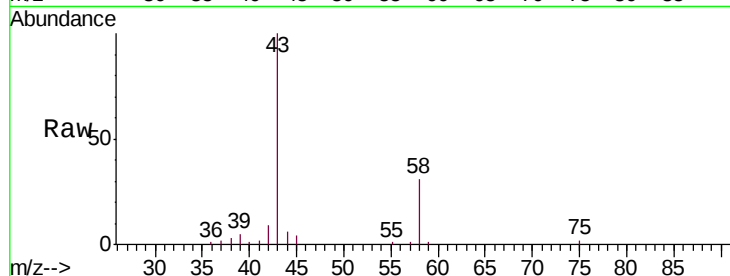
Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

Tgt Ion: 43 Resp: 23300

Ion Ratio Lower Upper

43 100

58 33.3 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV008904.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008904.D (-250) (-)

15000

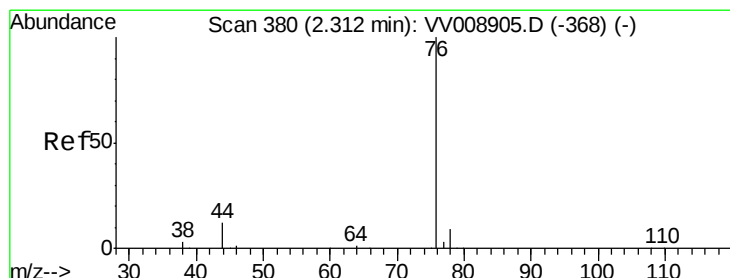
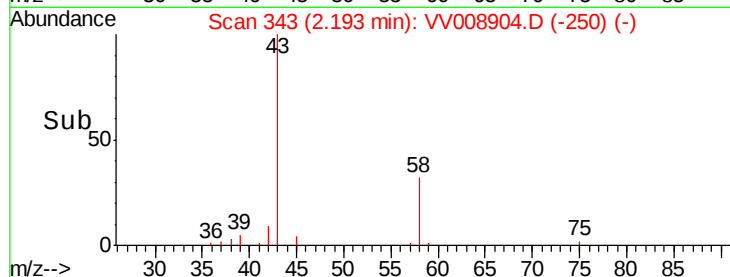
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 9.255 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV008904.D

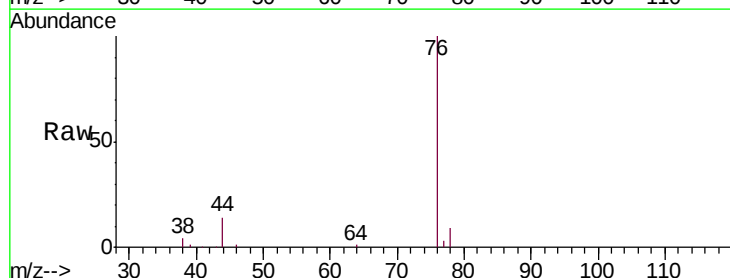
Acq: 13 Dec 2018 12:25

Tgt Ion: 76 Resp: 36884

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008904.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV008904.D (-287) (-)

25000

20000

15000

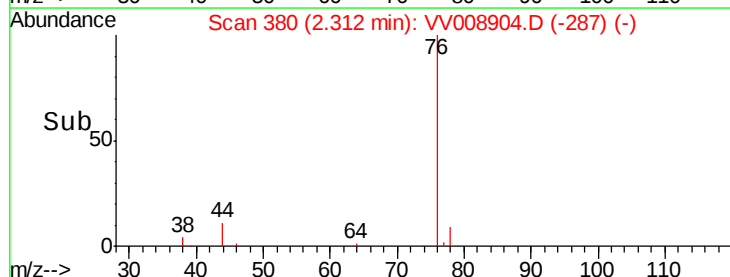
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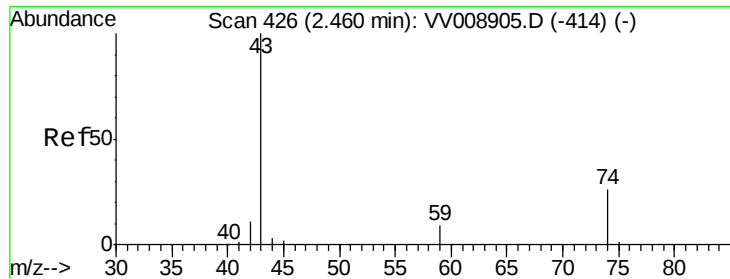
5000

0

2.25 2.30 2.35

Time-->

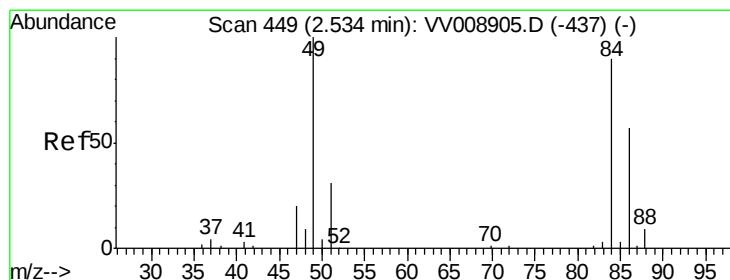
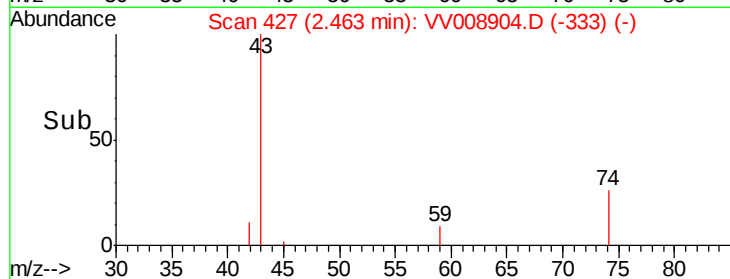
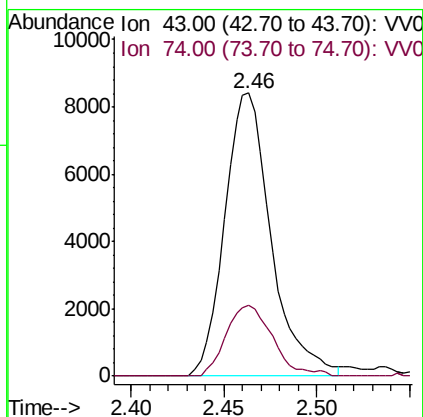
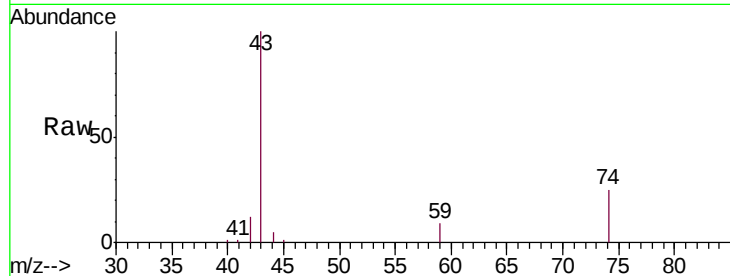




#15
Methyl Acetate
Concen: 8.419 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

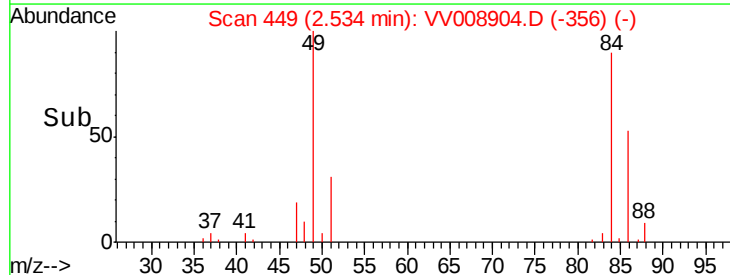
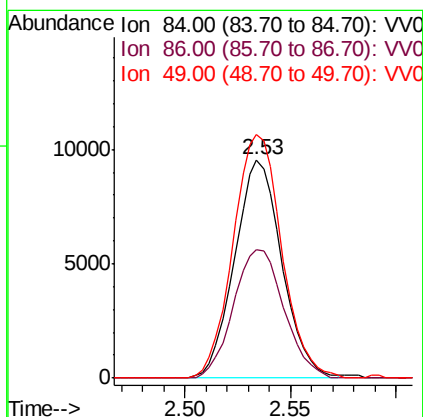
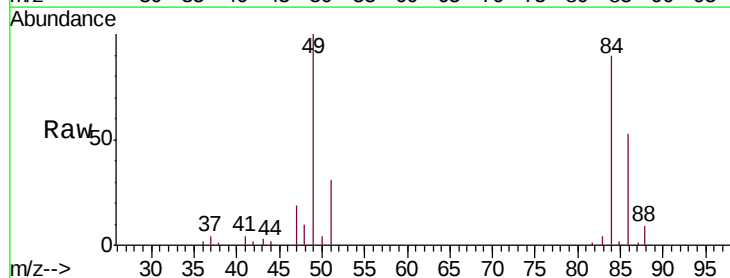
Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

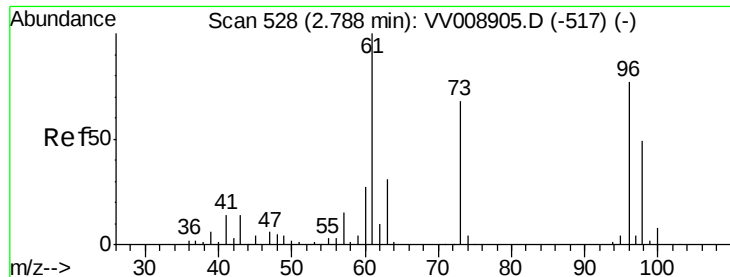
Tgt Ion: 43 Resp: 14644
Ion Ratio Lower Upper
43 100
74 24.7 21.0 31.6



#16
Methylene chloride
Concen: 9.386 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 84 Resp: 14859
Ion Ratio Lower Upper
84 100
86 58.6 44.2 82.0
49 111.5 77.4 143.8

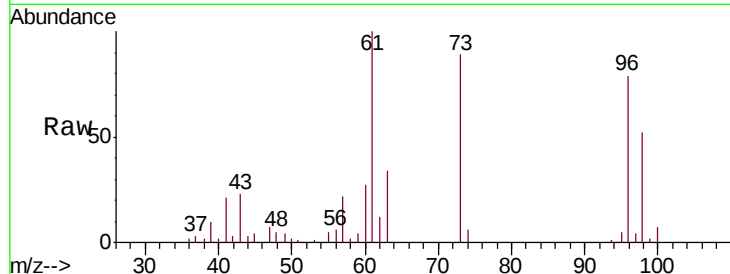




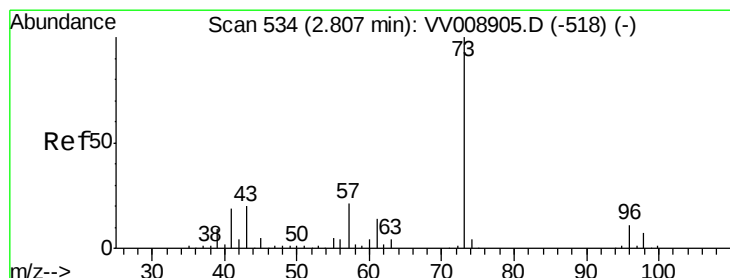
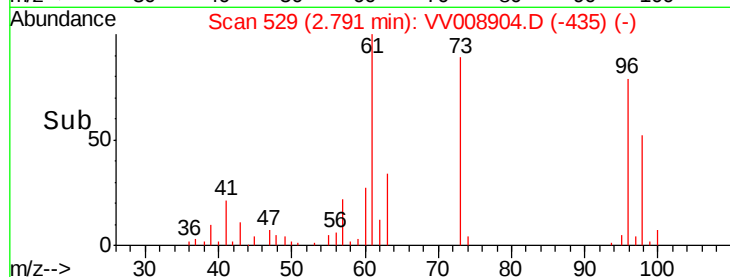
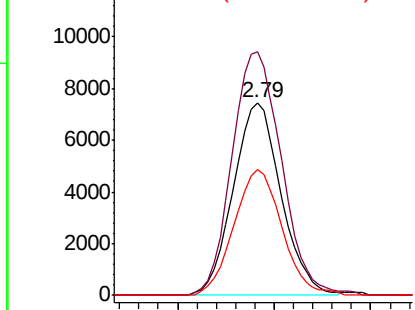
#17
trans-1,2-Dichloroethene
Concen: 8.991 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

Tgt Ion: 96 Resp: 12804
Ion Ratio Lower Upper
96 100
61 126.3 90.8 168.6
98 65.0 44.2 82.0

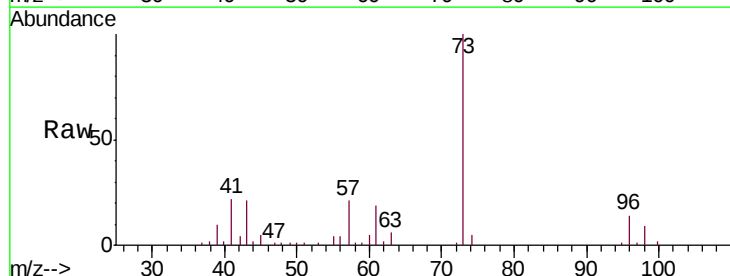


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

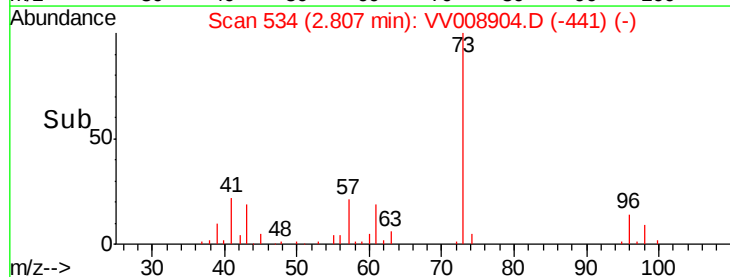
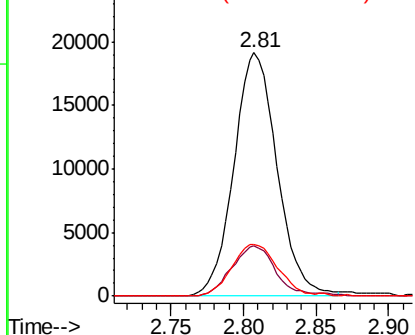


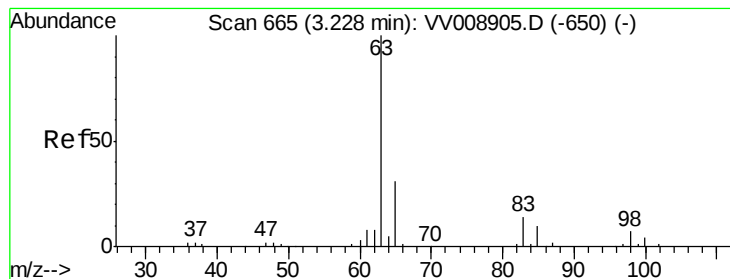
#18
Methyl tert-butyl Ether
Concen: 8.424 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 73 Resp: 39716
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.2
57 22.4 16.9 25.3



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





#19

1,1-Dichloroethane

Concen: 8.434 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampled :

VSTD01071

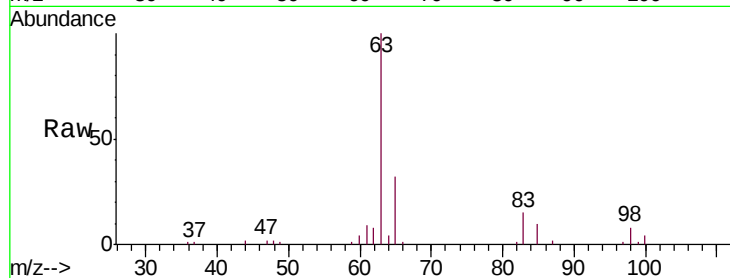
Tgt Ion: 63 Resp: 22703

Ion Ratio Lower Upper

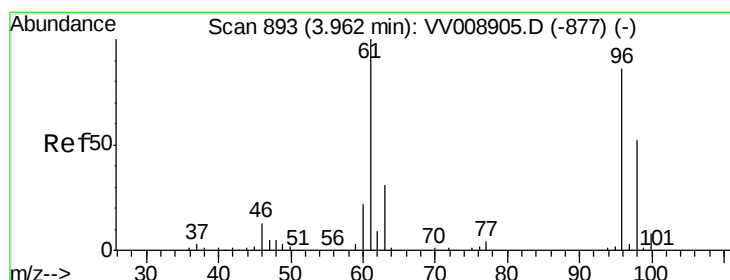
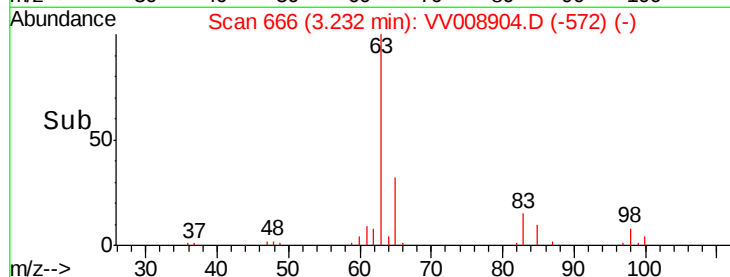
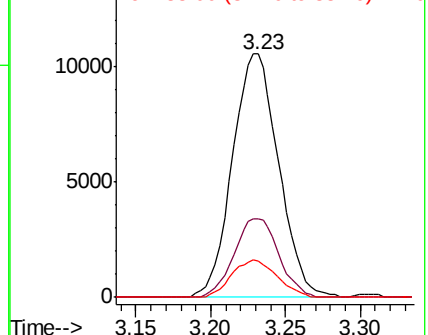
63 100

65 32.4 21.8 40.6

83 14.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 9.080 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

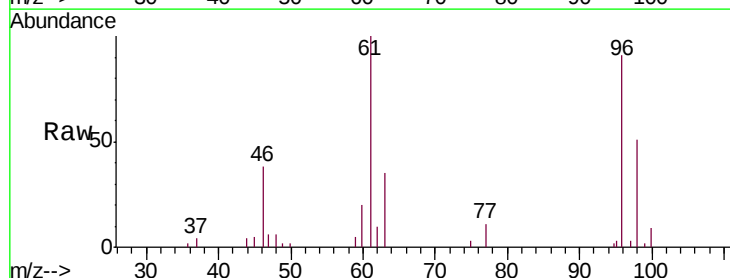
Tgt Ion: 96 Resp: 14872

Ion Ratio Lower Upper

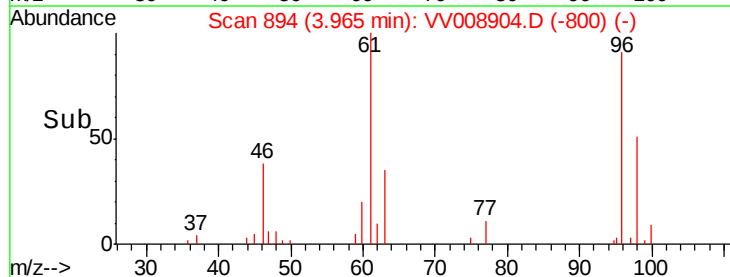
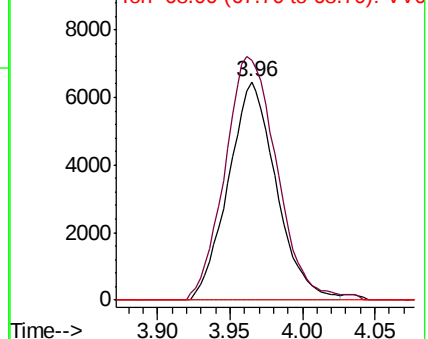
96 100

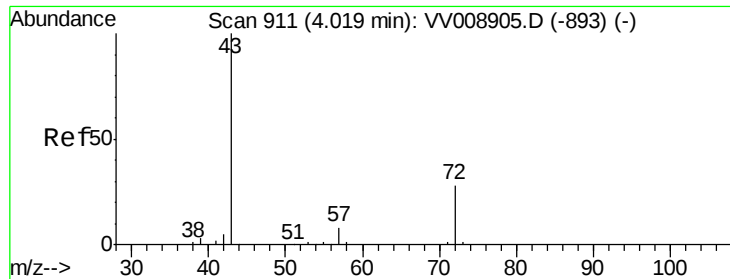
61 110.0 81.9 152.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 14.048 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

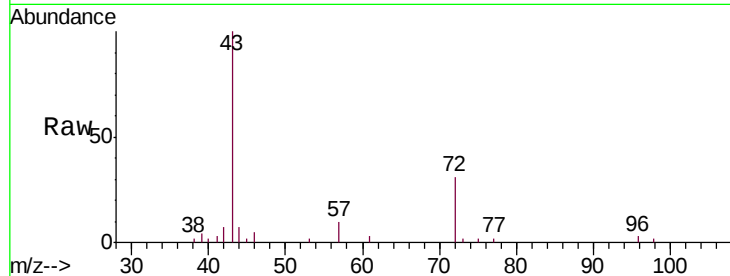
VSTD01071

Tgt Ion: 43 Resp: 19650

Ion Ratio Lower Upper

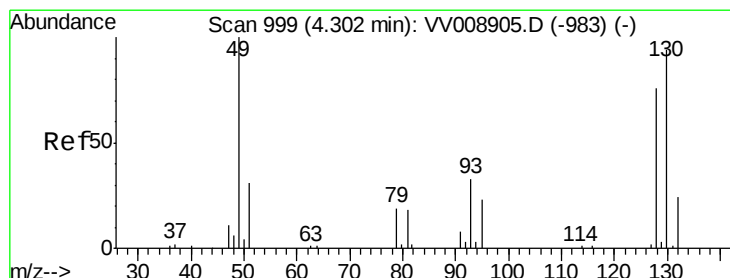
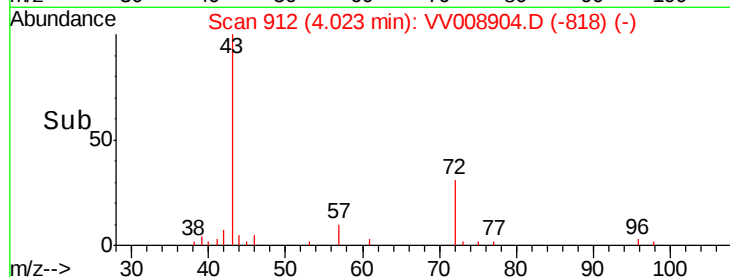
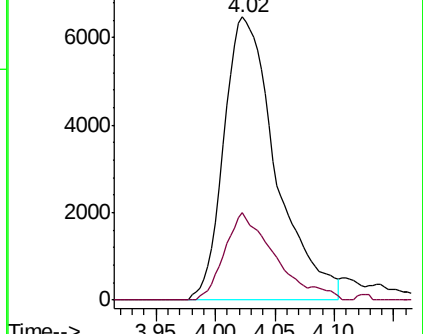
43 100

72 28.1 14.9 44.5



Abundance Ion 43.00 (42.70 to 43.70): VV008905.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV008905.D (-893) (-)



#23

Bromochloromethane

Concen: 9.462 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Tgt Ion: 128 Resp: 7597

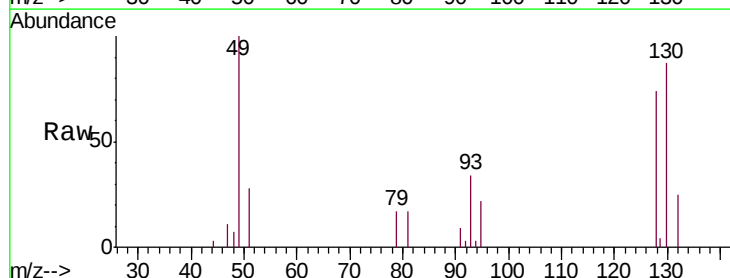
Ion Ratio Lower Upper

128 100

49 128.8 91.6 170.0

130 112.0 86.2 160.0

51 35.4 32.7 49.1

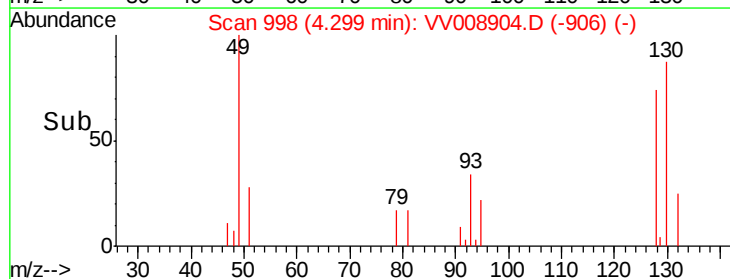
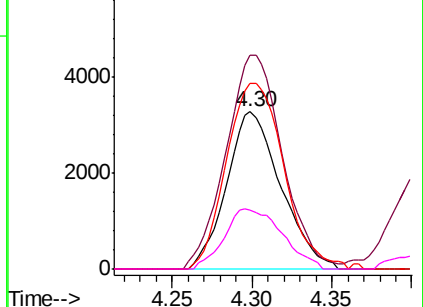


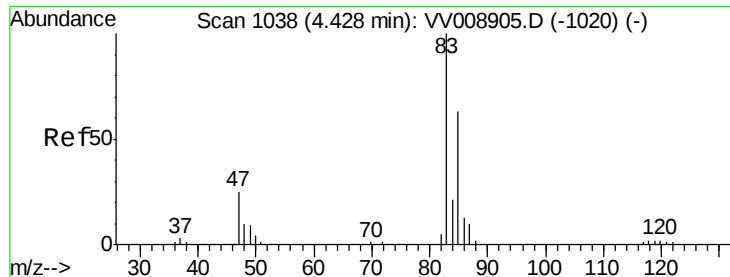
Abundance Ion 128.00 (127.70 to 128.70): VV008905.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV008905.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV008905.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV008905.D (-983) (-)

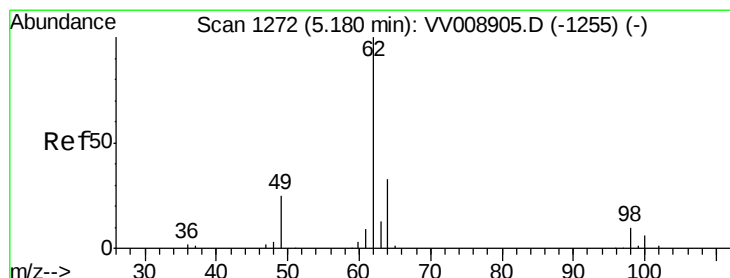
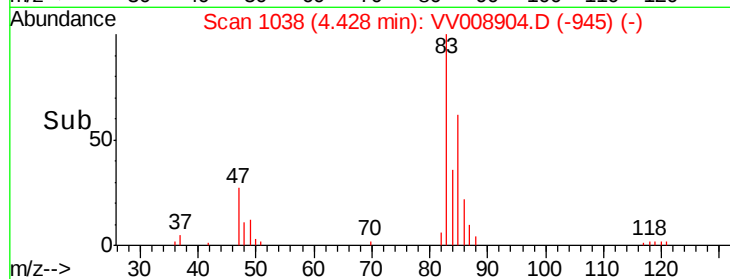
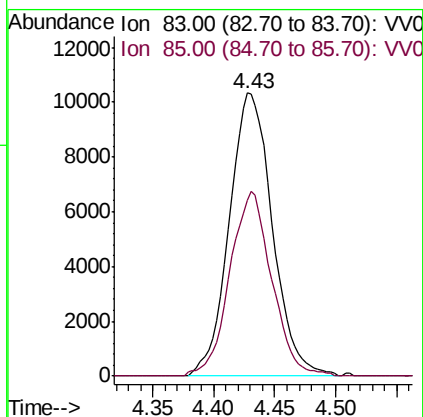
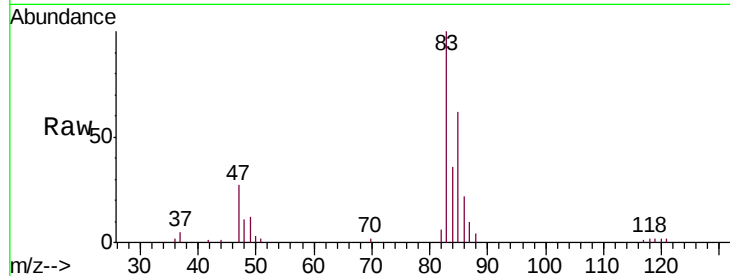




#25
Chloroform
Concen: 8.897 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

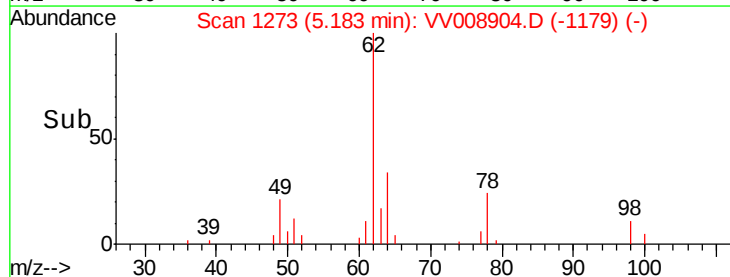
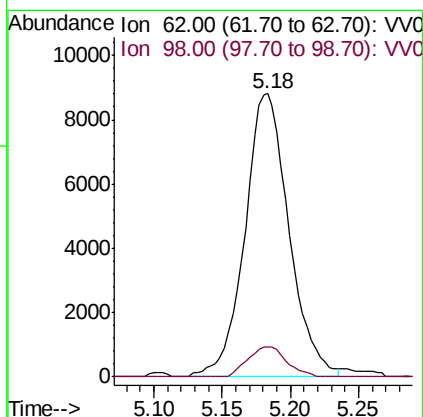
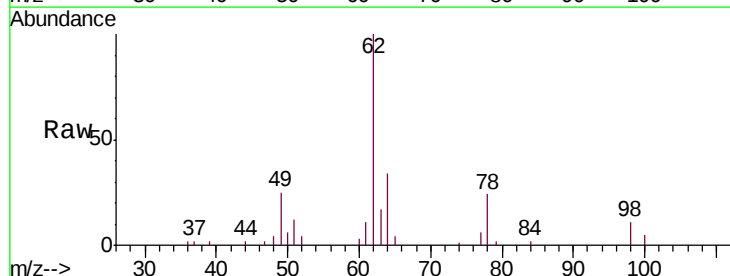
Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

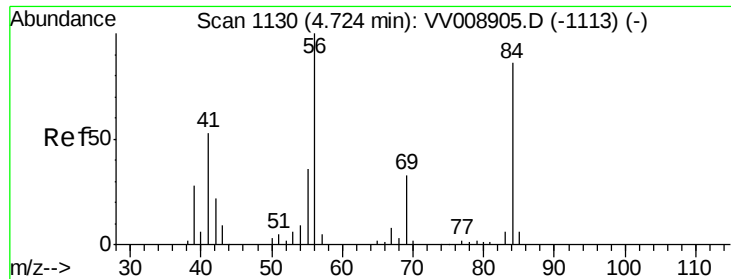
Tgt Ion: 83 Resp: 25369
Ion Ratio Lower Upper
83 100
85 62.3 44.3 82.3



#27
1,2-Dichloroethane
Concen: 9.000 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 62 Resp: 19793
Ion Ratio Lower Upper
62 100
98 10.6 7.5 11.3

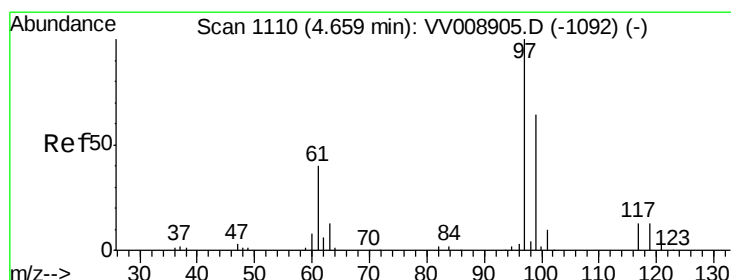
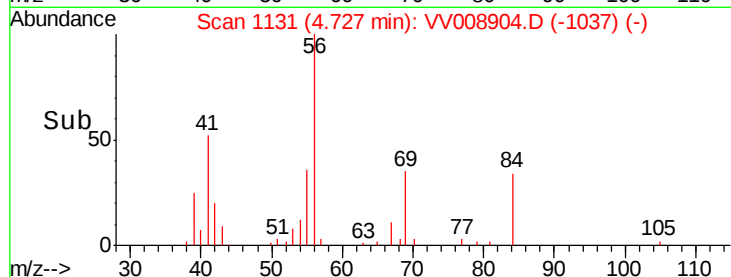
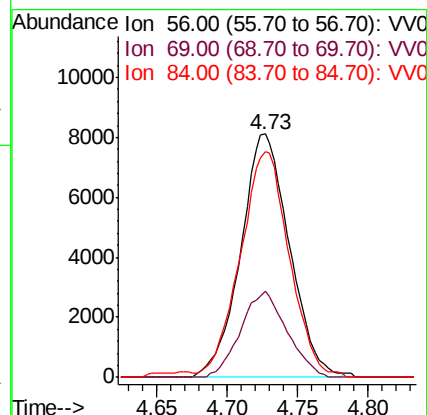
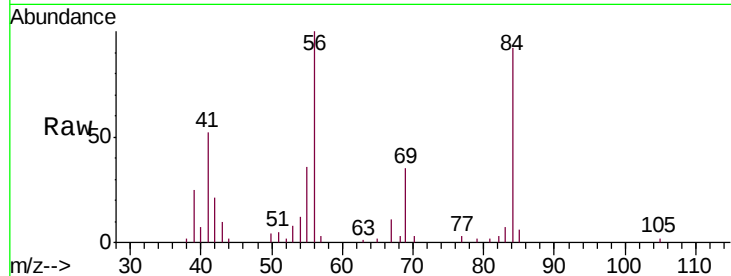




#29
Cyclohexane
Concen: 8.088 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

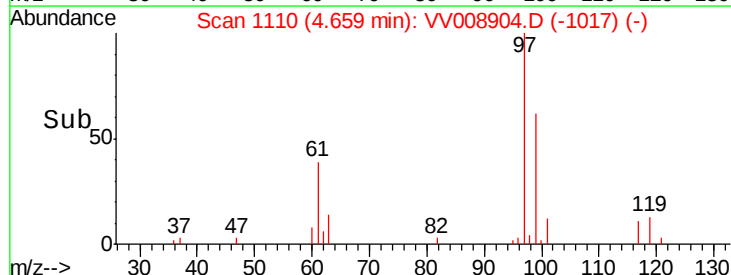
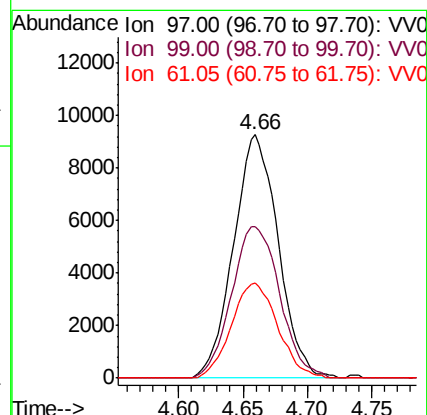
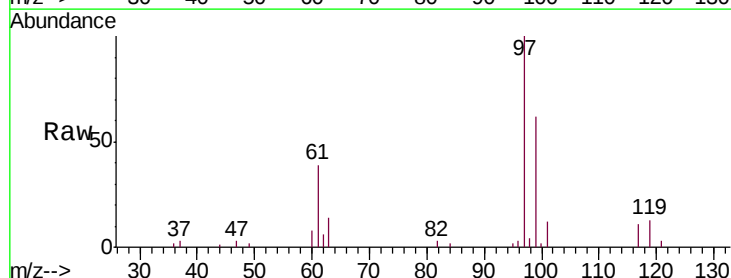
Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

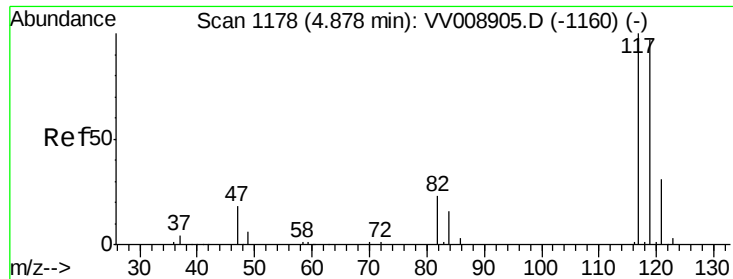
Tgt Ion: 56 Resp: 19586
Ion Ratio Lower Upper
56 100
69 33.6 26.0 39.0
84 93.4 70.9 106.3



#30
1,1,1-Trichloroethane
Concen: 9.670 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 97 Resp: 22358
Ion Ratio Lower Upper
97 100
99 67.2 51.7 77.5
61 40.6 32.5 48.7





#31

Carbon tetrachloride

Concen: 10.580 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

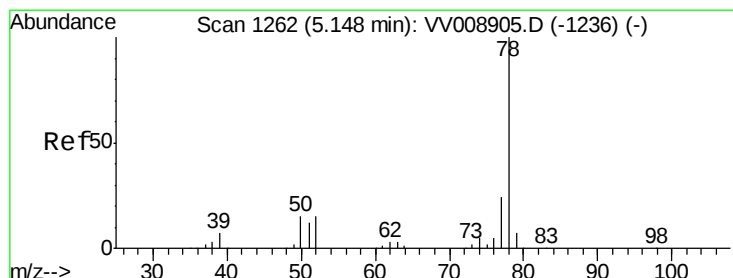
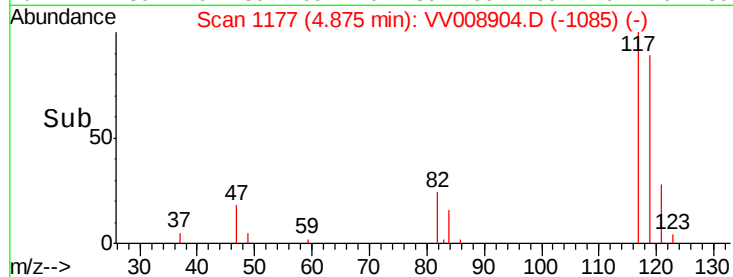
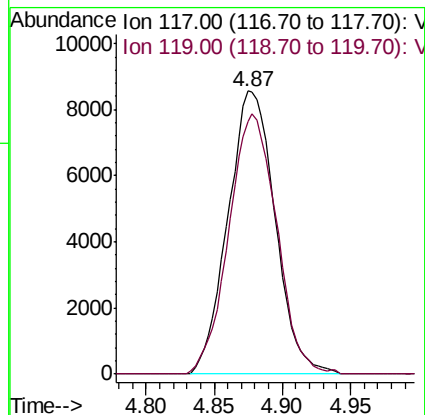
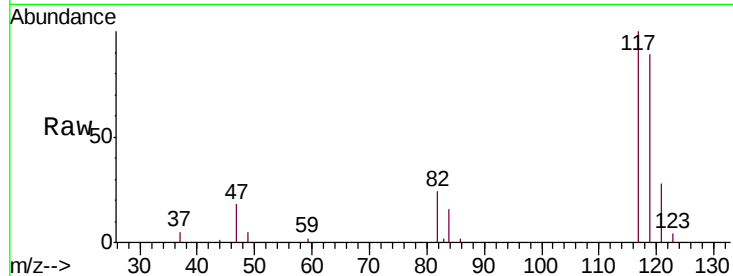
VSTD01071

Tgt Ion:117 Resp: 20642

Ion Ratio Lower Upper

117 100

119 92.7 77.7 116.5



#33

Benzene

Concen: 8.989 ug/L

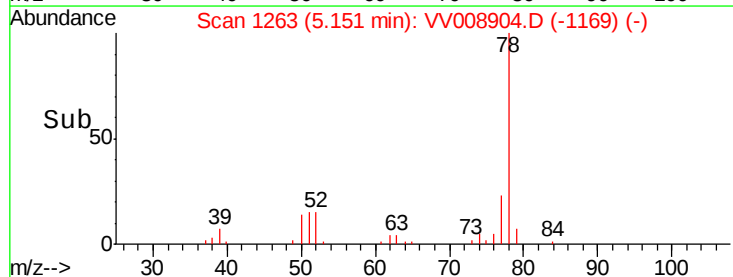
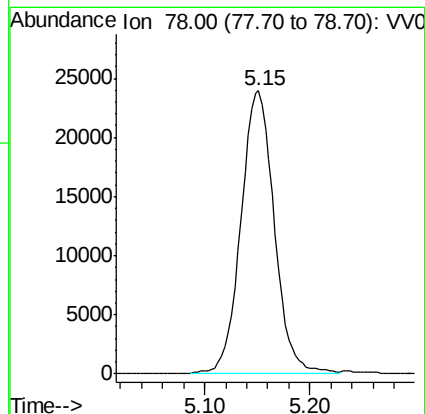
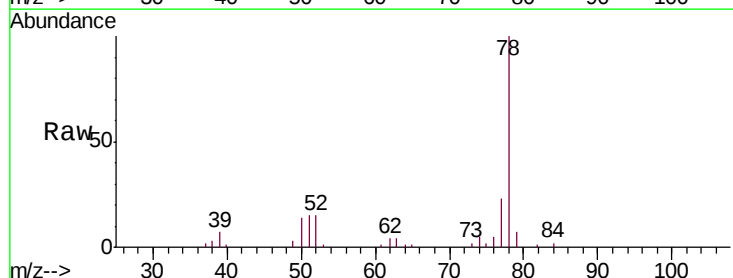
RT: 5.15 min Scan# 1263

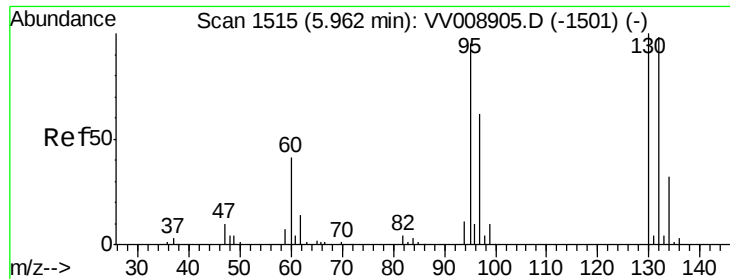
Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Tgt Ion: 78 Resp: 52831





#34

Trichloroethene

Concen: 9.670 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD01071

Tgt Ion: 95 Resp: 15186

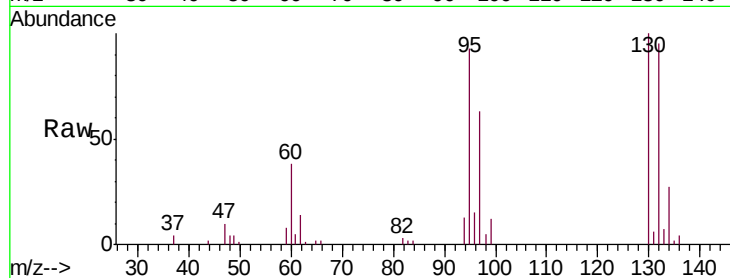
Ion Ratio Lower Upper

95 100

97 68.4 45.7 84.9

132 102.3 72.2 134.2

130 107.9 73.8 137.2

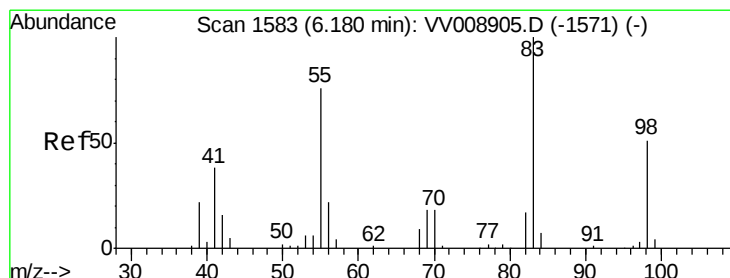
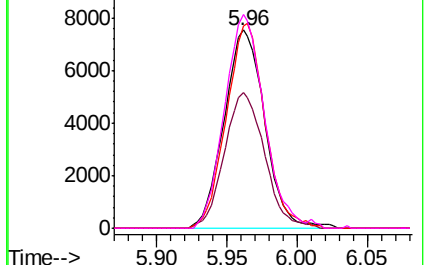
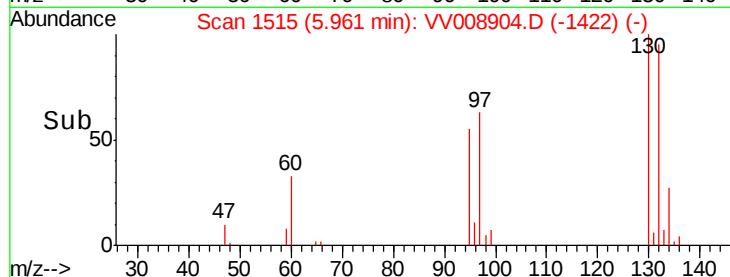


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 7.860 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

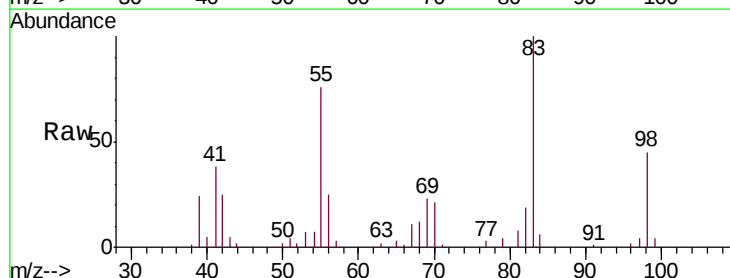
Tgt Ion: 83 Resp: 20142

Ion Ratio Lower Upper

83 100

55 77.7 57.8 86.8

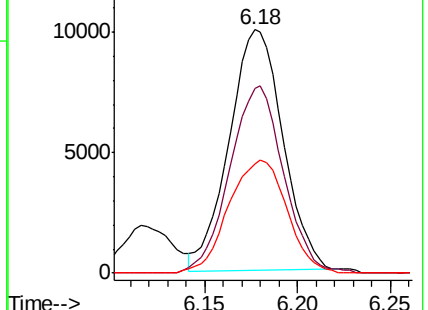
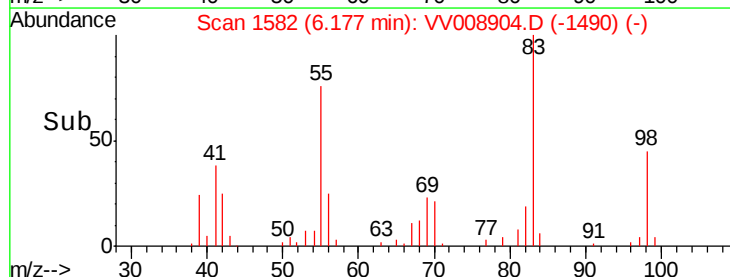
98 50.8 39.0 58.4

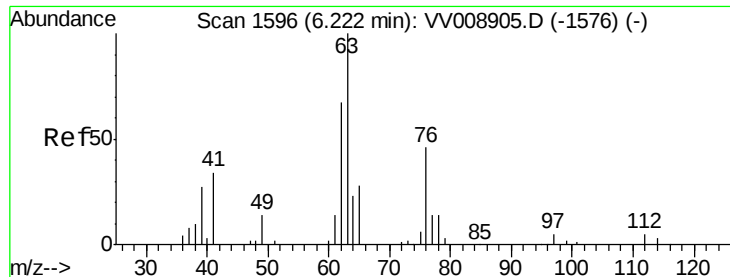


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

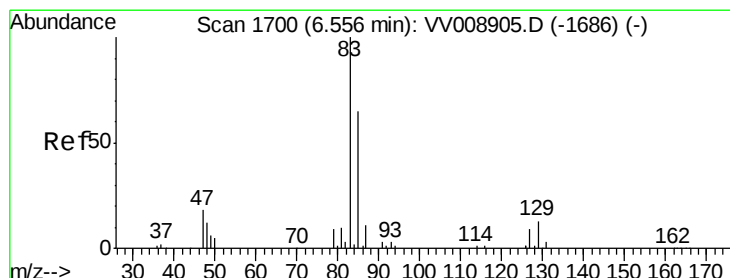
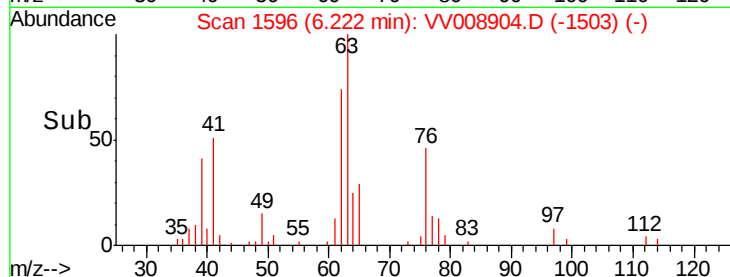
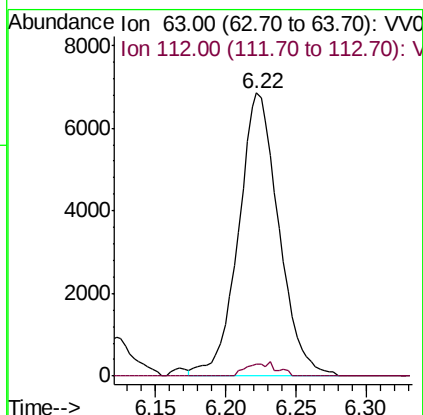
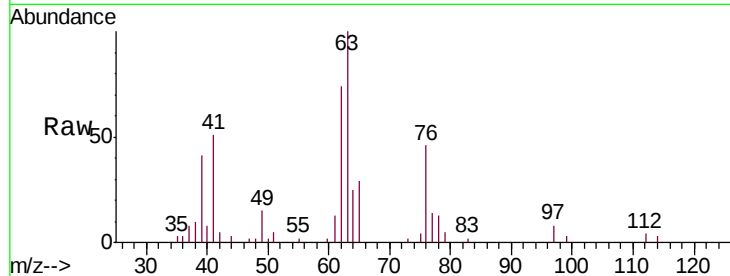




#37
 1,2-Dichloropropane
 Concen: 8.706 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

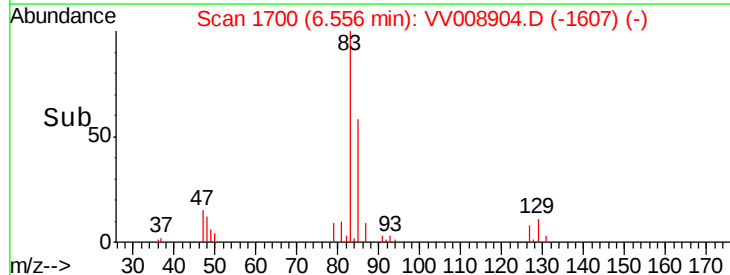
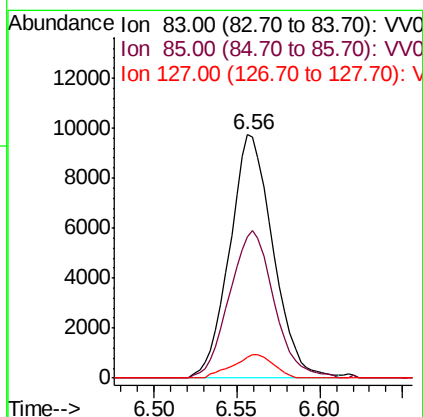
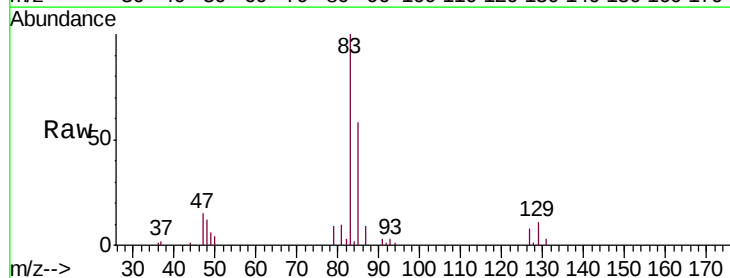
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01071

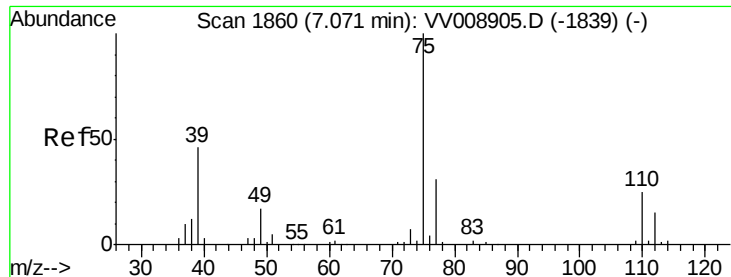
Tgt Ion: 63 Resp: 13731
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 9.179 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Tgt Ion: 83 Resp: 17717
 Ion Ratio Lower Upper
 83 100
 85 57.9 45.8 85.0
 127 9.5 7.4 11.0

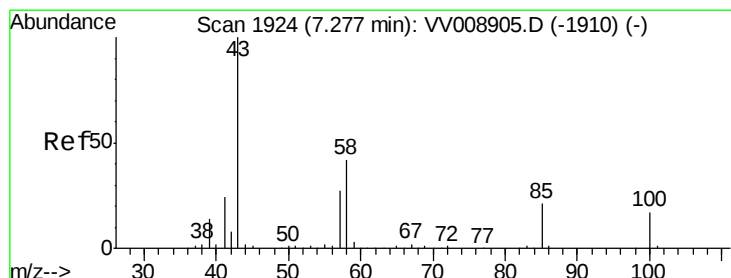
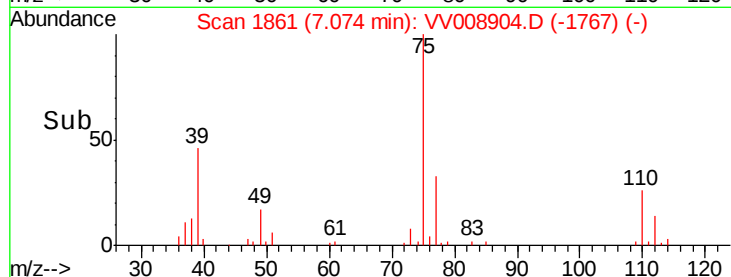
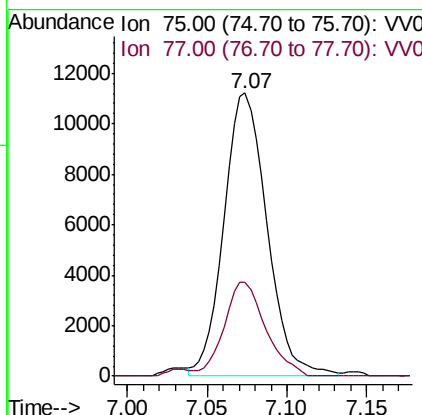
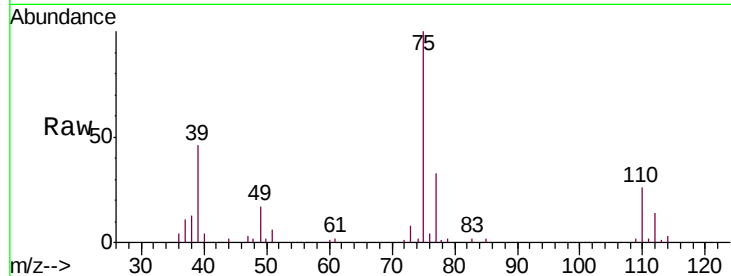




#39
 cis-1,3-Dichloropropene
 Concen: 9.076 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

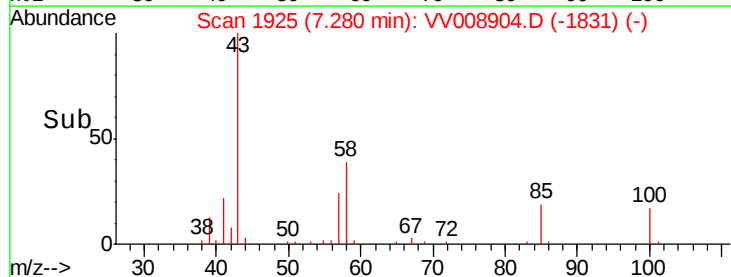
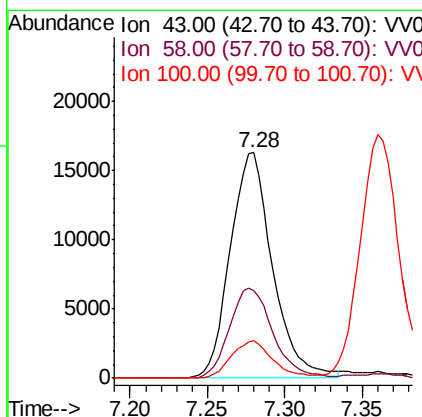
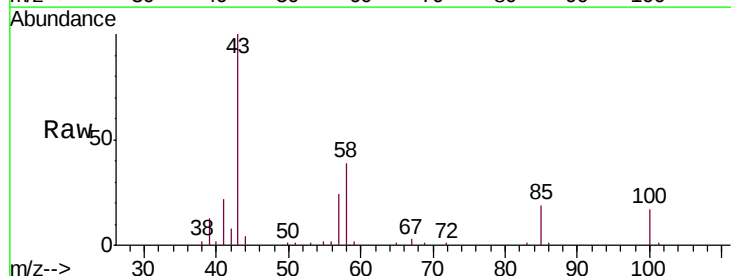
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01071

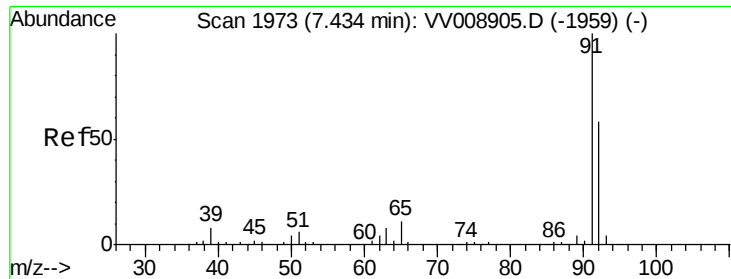
Tgt Ion: 75 Resp: 20647
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 14.448 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Tgt Ion: 43 Resp: 30993
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.4 50.0
 100 16.3 13.9 20.9





#42

Toluene

Concen: 8.857 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

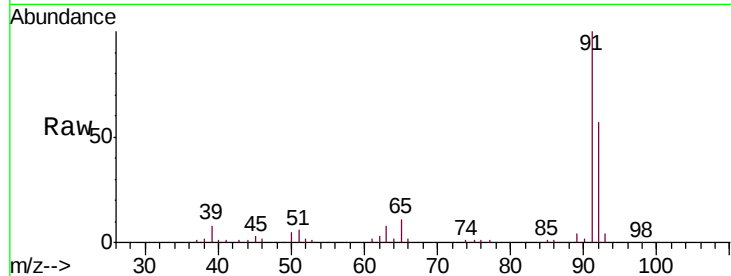
VSTD01071

Tgt Ion: 91 Resp: 54251

Ion Ratio Lower Upper

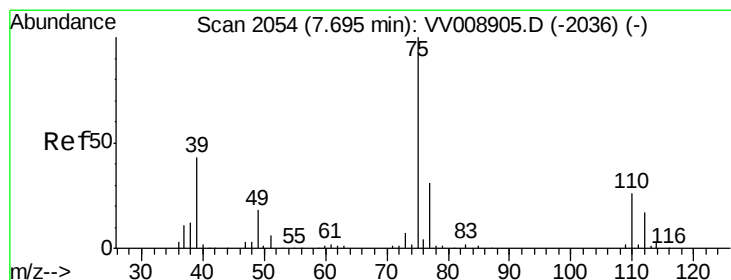
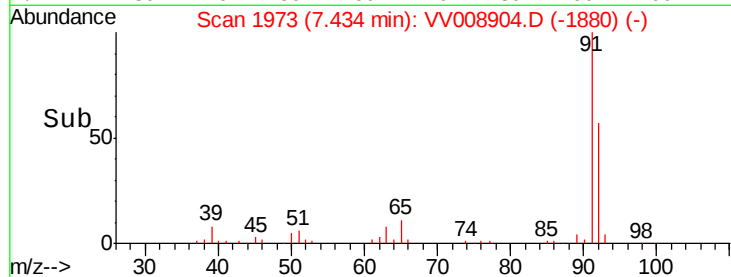
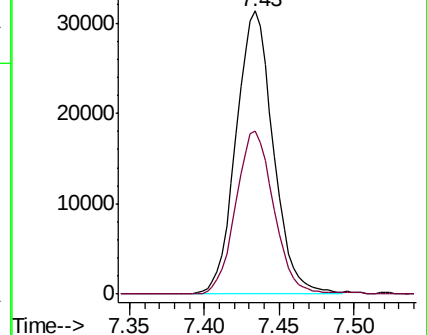
91 100

92 57.5 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV008905.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008905.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.994 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008904.D

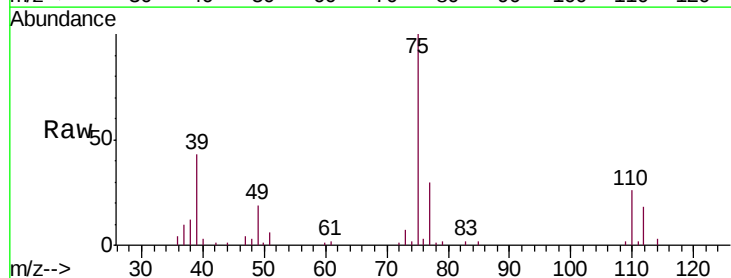
Acq: 13 Dec 2018 12:25

Tgt Ion: 75 Resp: 18759

Ion Ratio Lower Upper

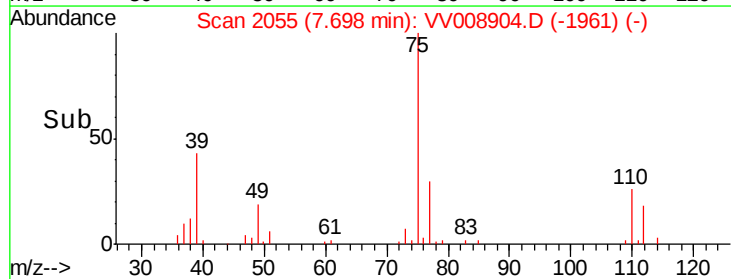
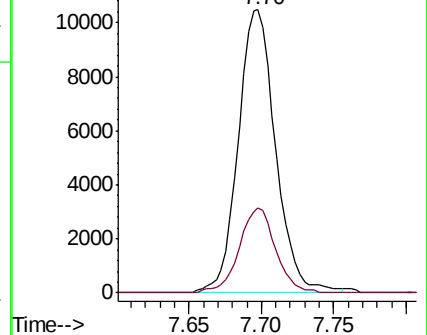
75 100

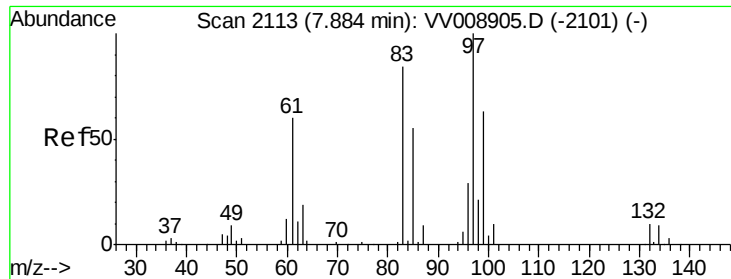
77 30.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV008905.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008905.D (-2036) (-)

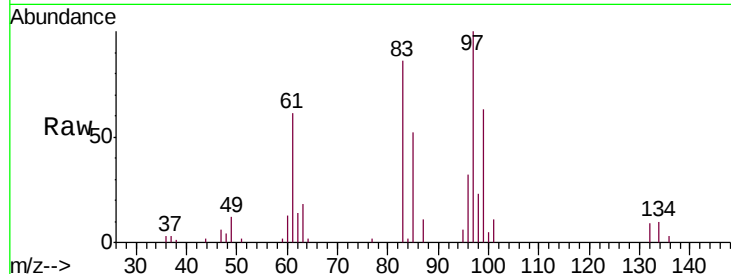




#45
 1,1,2-Trichloroethane
 Concen: 9.262 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01071

Tgt Ion:	97	Resp:	13586
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	86.3	58.8	109.2
85	52.2	38.8	72.0



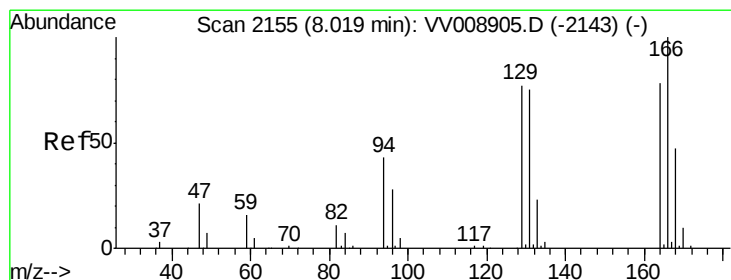
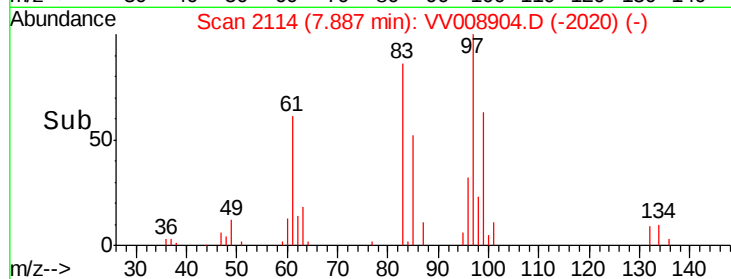
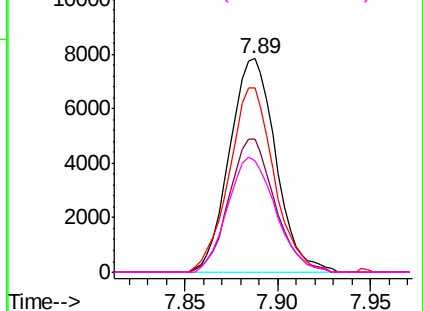
Abundance

Ion 97.00 (96.70 to 97.70): VV008904.D (-2020) (-)

Ion 99.00 (98.70 to 99.70): VV008904.D (-2020) (-)

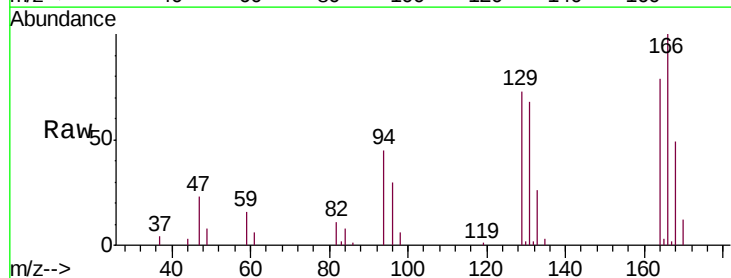
Ion 83.00 (82.70 to 83.70): VV008904.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV008904.D (-2020) (-)



#46
 Tetrachloroethene
 Concen: 10.248 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Tgt Ion:	164	Resp:	11876
Ion	Ratio	Lower	Upper
164	100		
129	92.6	69.2	128.4
131	85.5	67.8	125.8
166	126.1	90.3	167.7



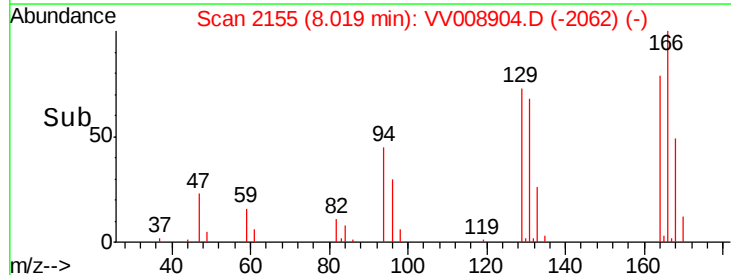
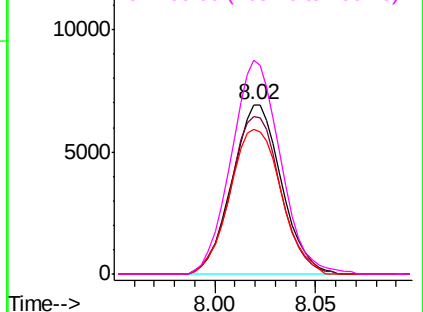
Abundance

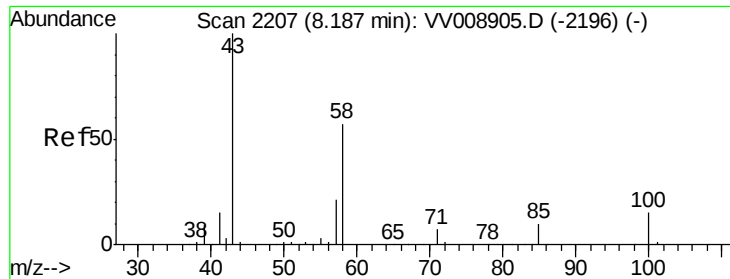
Ion 164.00 (163.70 to 164.70): VV008904.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV008904.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV008904.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV008904.D (-2062) (-)

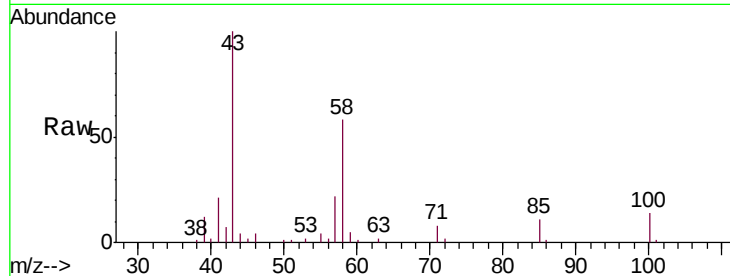




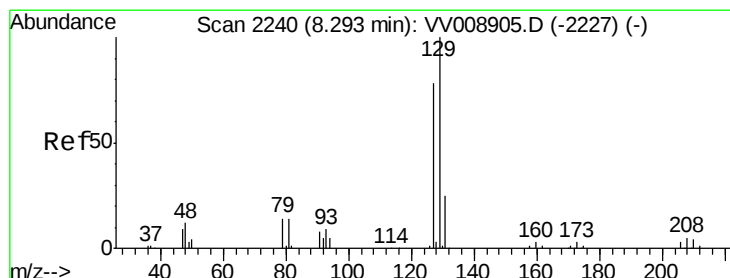
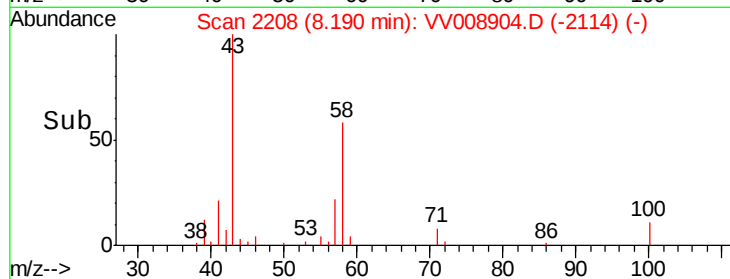
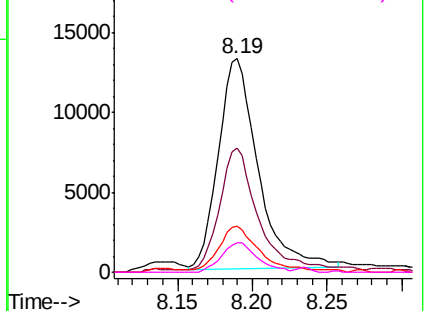
#48
2-Hexanone
Concen: 14.276 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

Tgt Ion: 43 Resp: 24287
Ion Ratio Lower Upper
43 100
58 55.8 42.7 64.1
57 20.4 15.7 23.5
100 12.9 11.3 16.9

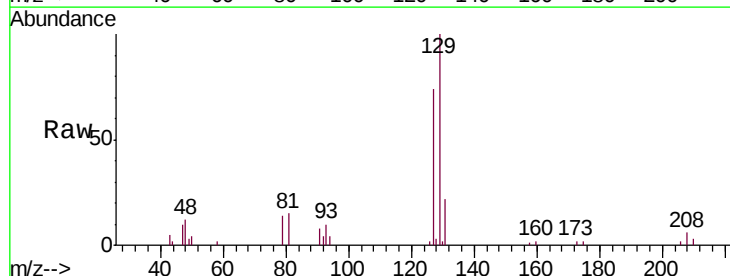


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

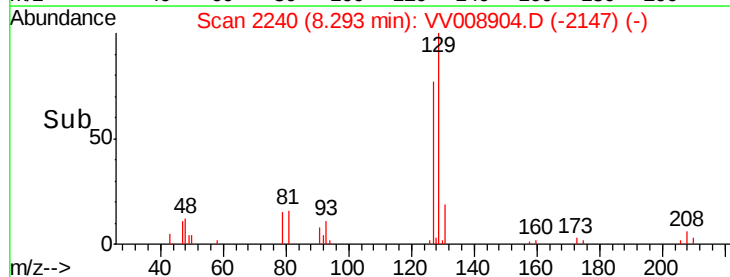
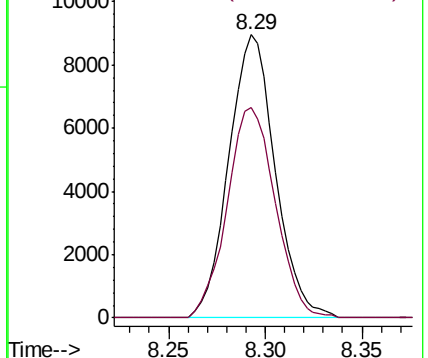


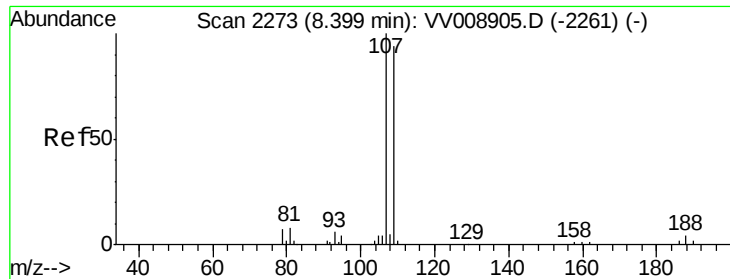
#49
Dibromochloromethane
Concen: 9.944 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 129 Resp: 14917
Ion Ratio Lower Upper
129 100
127 74.3 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

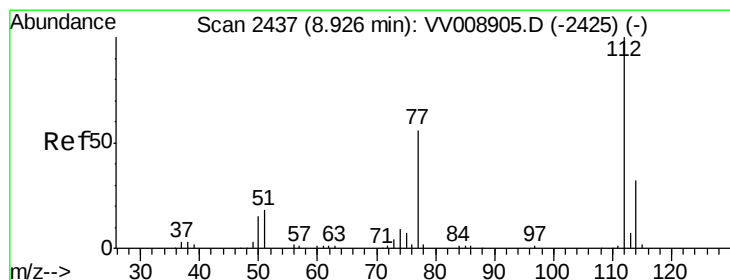
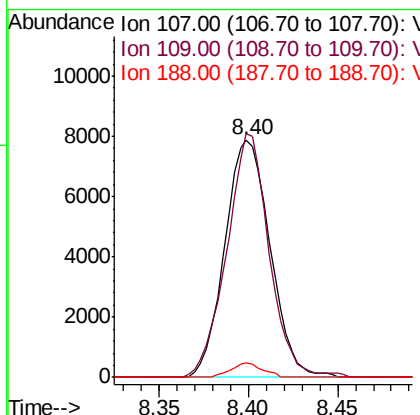
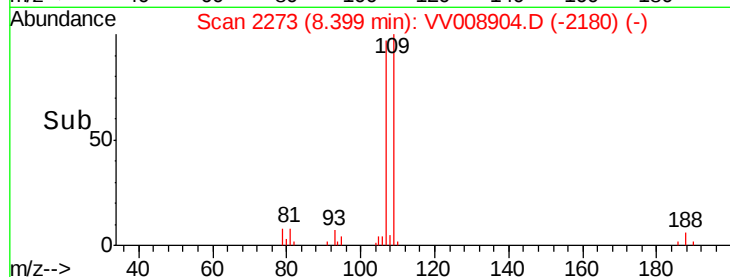
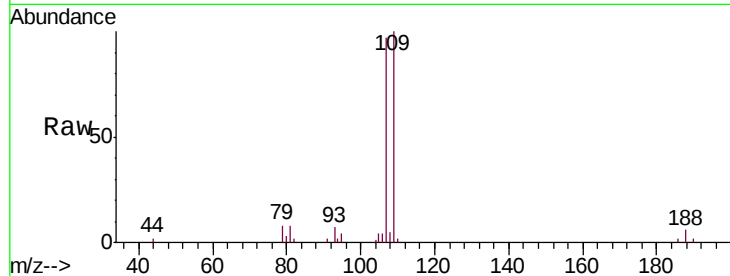




#50
1,2-Dibromoethane
Concen: 9.028 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

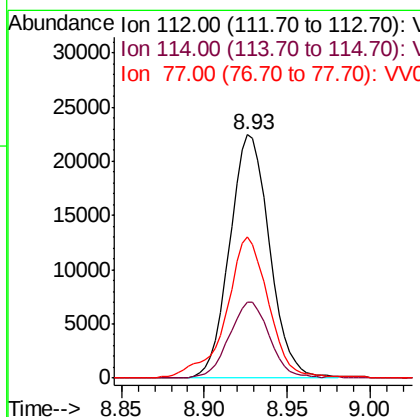
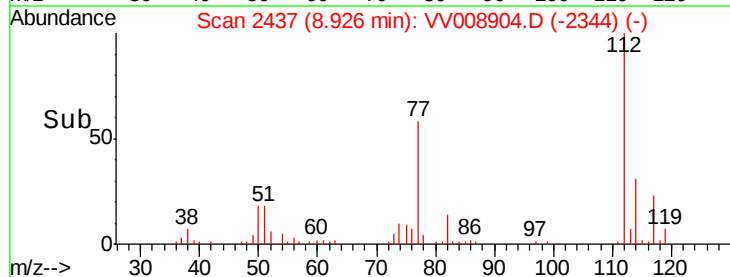
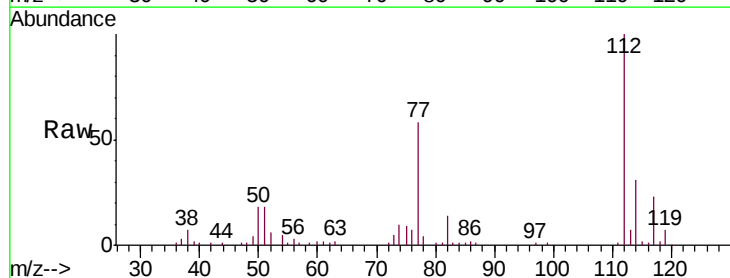
Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

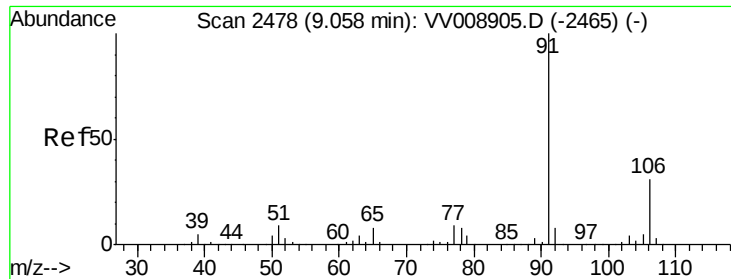
Tgt Ion:107 Resp: 13891
Ion Ratio Lower Upper
107 100
109 102.6 66.1 122.7
188 6.1 2.8 4.2#



#51
Chlorobenzene
Concen: 9.534 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion:112 Resp: 37616
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.5
77 58.1 45.2 67.8





#52

Ethylbenzene

Concen: 8.601 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

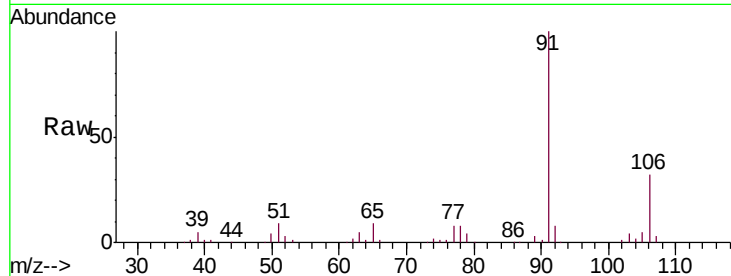
VSTD01071

Tgt Ion: 91 Resp: 57814

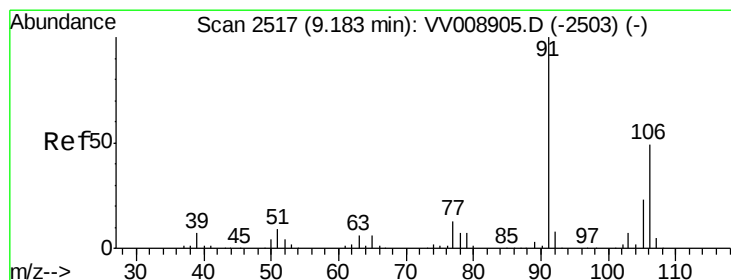
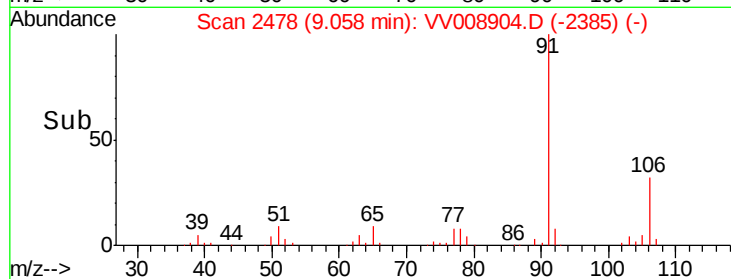
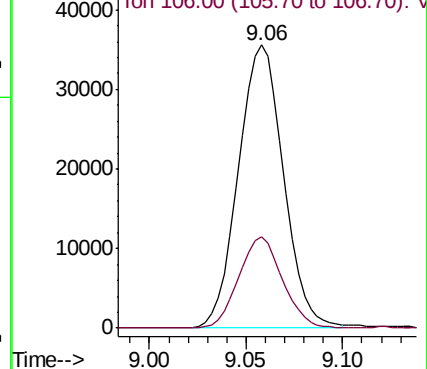
Ion Ratio Lower Upper

91 100

106 32.4 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV008904.D (-2385) (-)



#53

m,p-Xylene

Concen: 8.823 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008904.D

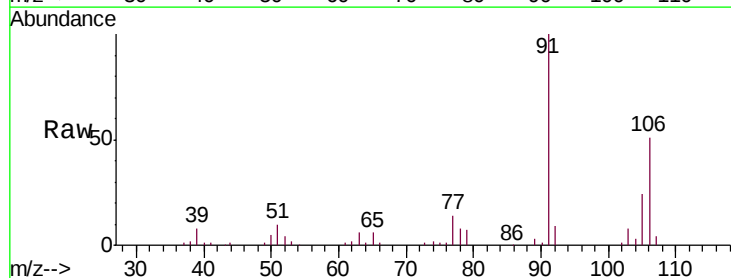
Acq: 13 Dec 2018 12:25

Tgt Ion: 106 Resp: 21912

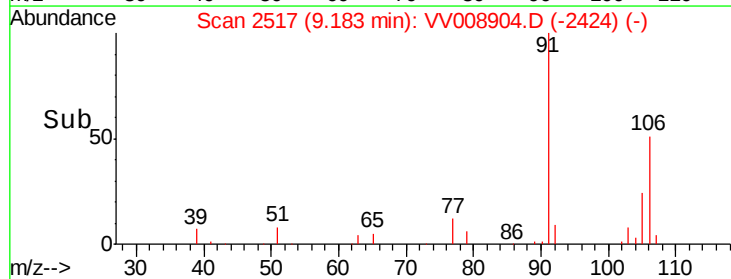
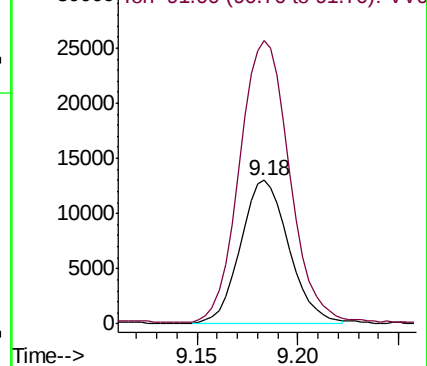
Ion Ratio Lower Upper

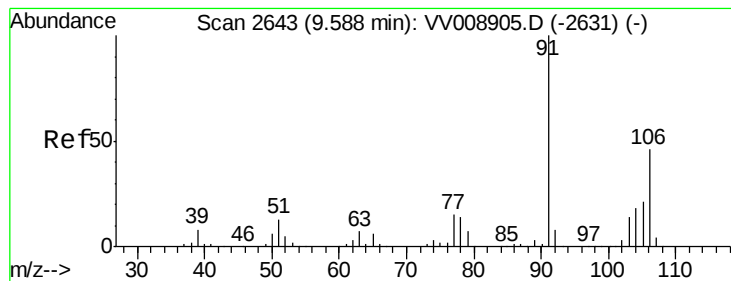
106 100

91 197.0 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): VV008904.D (-2424) (-)





#54

o-xylene

Concen: 8.756 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

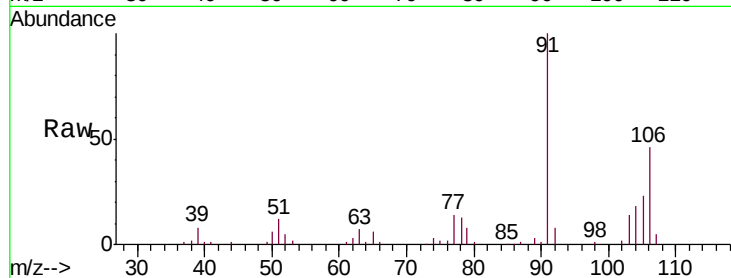
VSTD01071

Tgt Ion:106 Resp: 21673

Ion Ratio Lower Upper

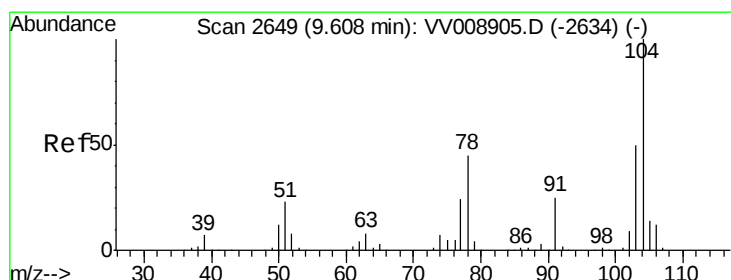
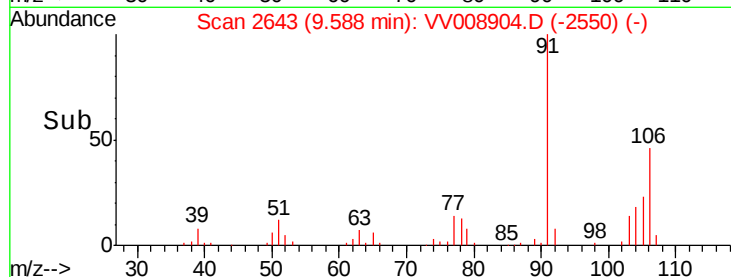
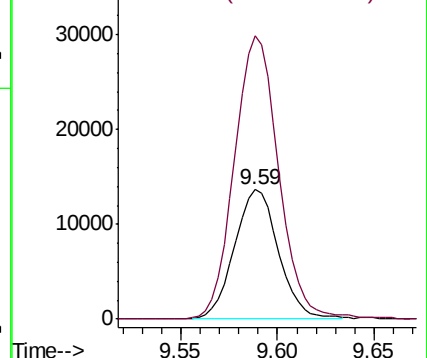
106 100

91 219.0 153.4 284.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 8.733 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008904.D

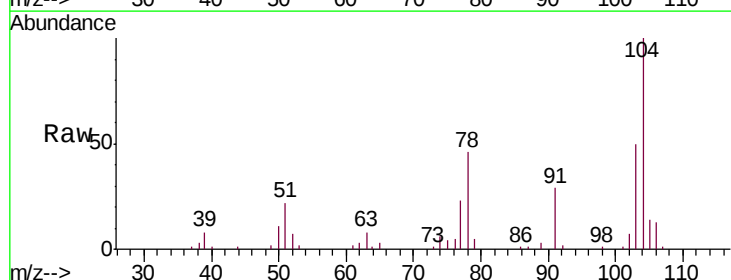
Acq: 13 Dec 2018 12:25

Tgt Ion:104 Resp: 35971

Ion Ratio Lower Upper

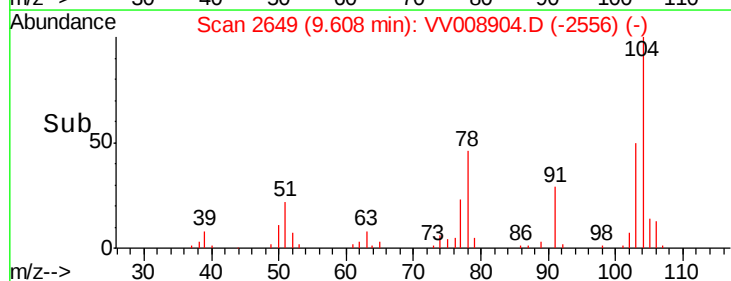
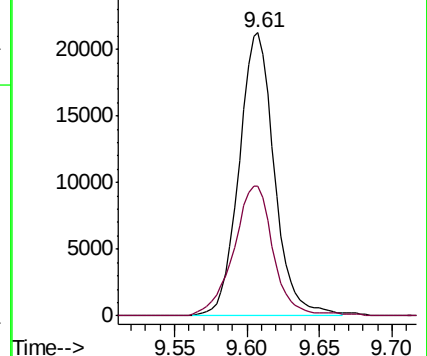
104 100

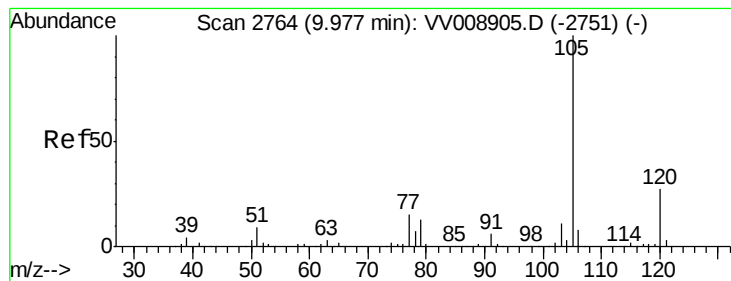
78 45.7 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 8.642 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD01071

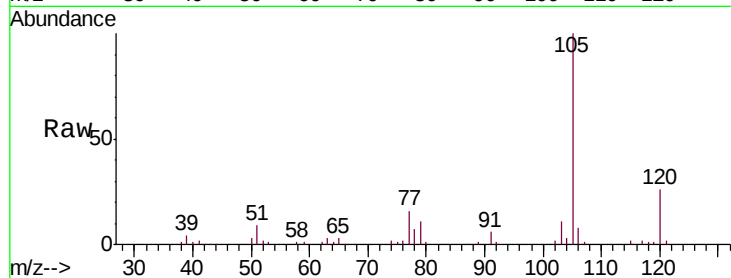
Tgt Ion: 105 Resp: 56267

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

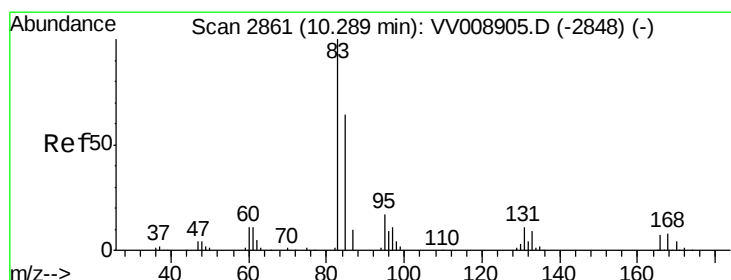
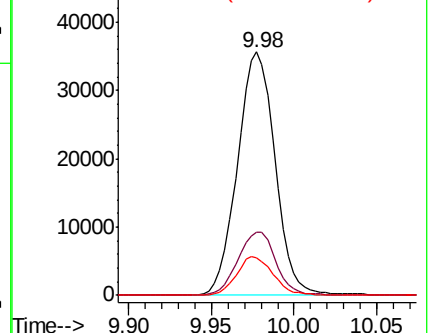
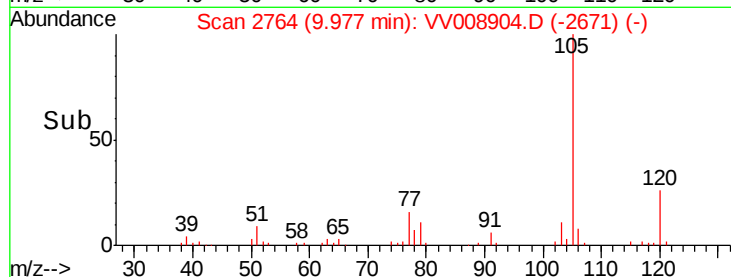
77 15.5 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 7.826 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

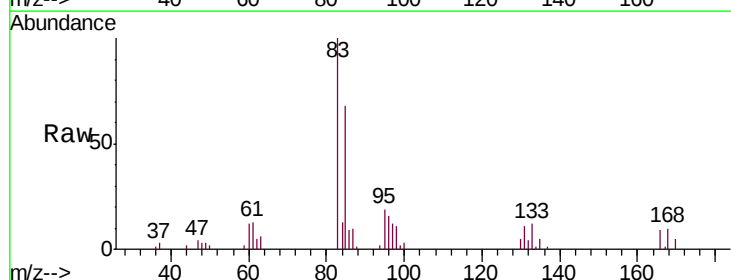
Tgt Ion: 83 Resp: 19009

Ion Ratio Lower Upper

83 100

85 67.5 45.3 84.1

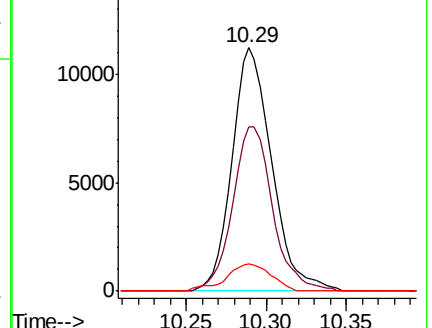
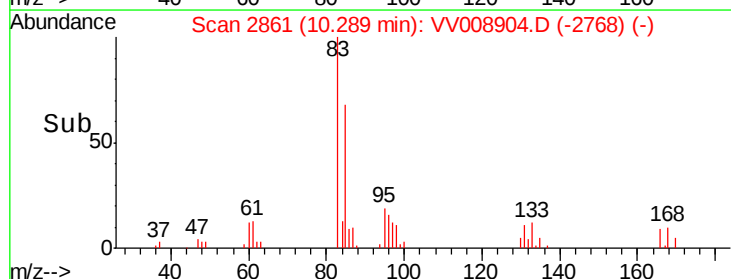
131 11.0 9.2 13.8

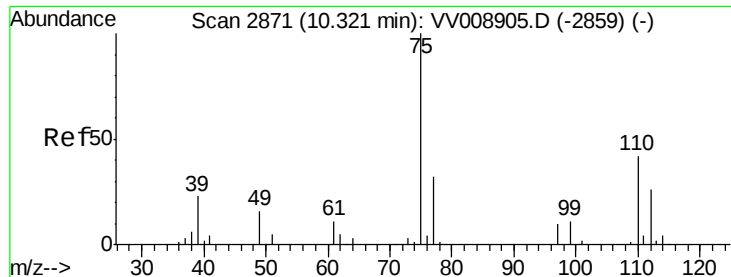


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

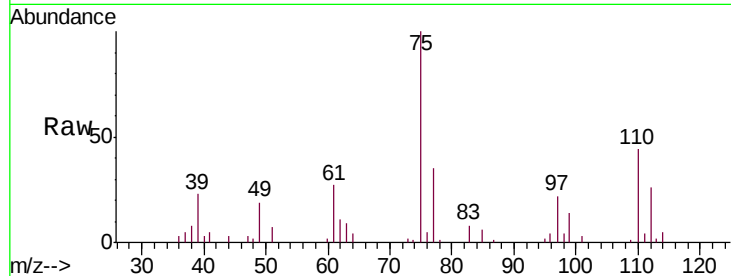




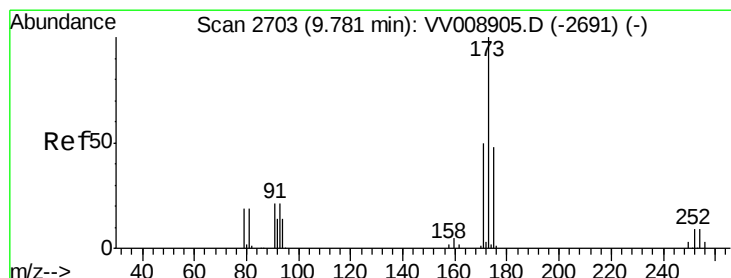
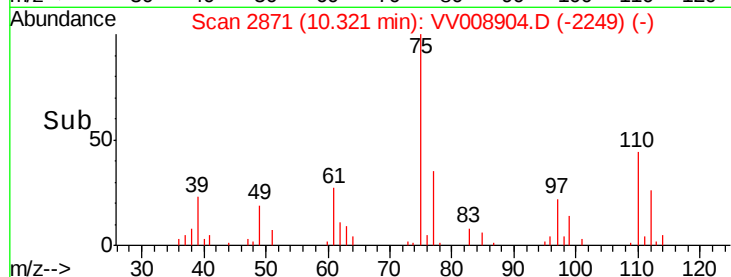
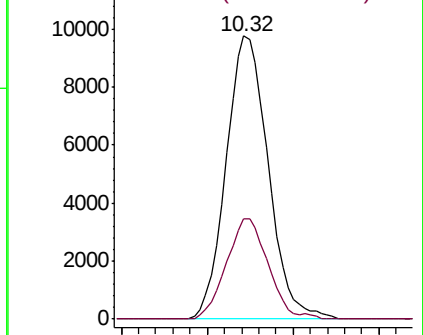
#59
1,2,3-Trichloropropane
Concen: 8.352 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD01071

Tgt Ion: 75 Resp: 16600
Ion Ratio Lower Upper
75 100
77 34.7 25.8 38.8

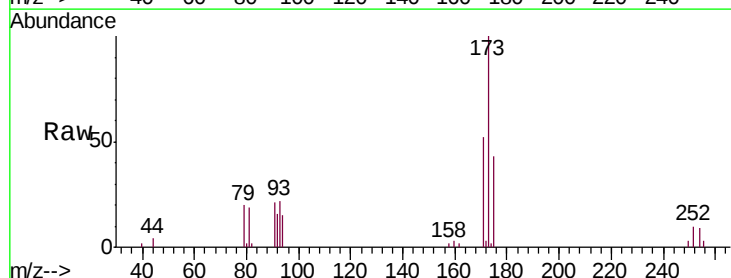


Abundance Ion 75.00 (74.70 to 75.70): VV008905.D (-2859) (-)
Ion 77.00 (76.70 to 77.70): VV008905.D (-2859) (-)

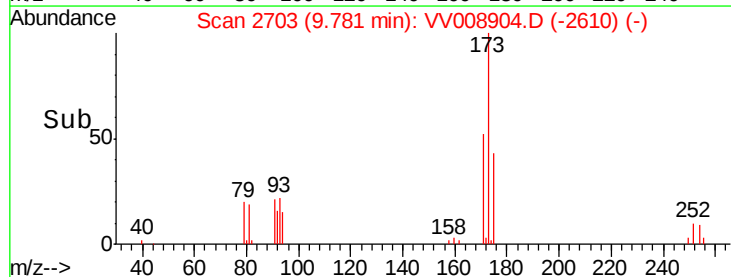
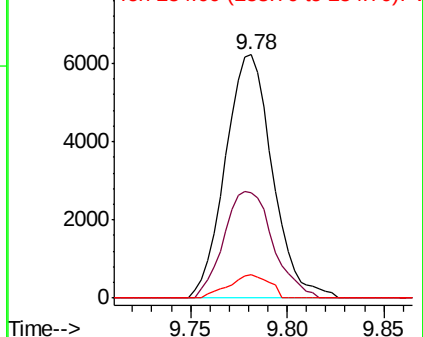


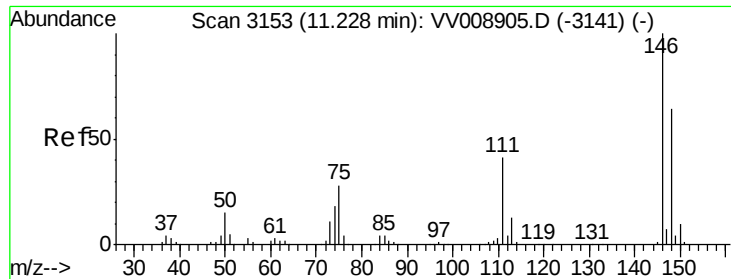
#61
Bromoform
Concen: 11.387 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV008904.D
Acq: 13 Dec 2018 12:25

Tgt Ion: 173 Resp: 10543
Ion Ratio Lower Upper
173 100
175 45.7 38.6 57.8
254 8.2 7.4 11.0



Abundance Ion 173.00 (172.70 to 173.70): VV008905.D (-2691) (-)
Ion 175.00 (174.70 to 175.70): VV008905.D (-2691) (-)
Ion 254.00 (253.70 to 254.70): VV008905.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 9.396 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD01071

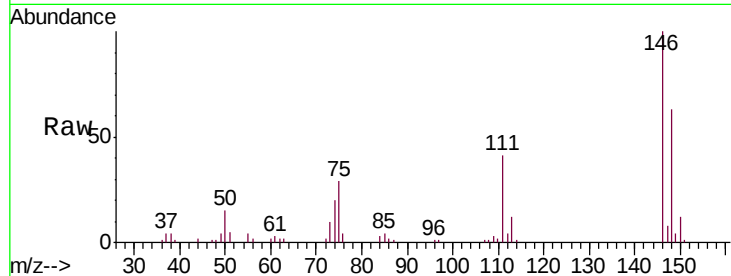
Tgt Ion:146 Resp: 25524

Ion Ratio Lower Upper

146 100

111 40.9 28.3 52.7

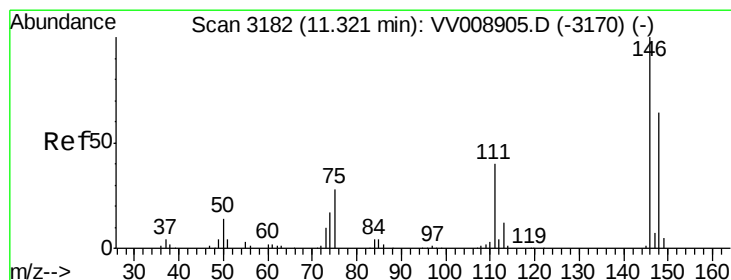
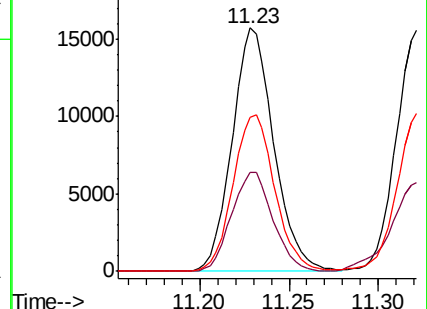
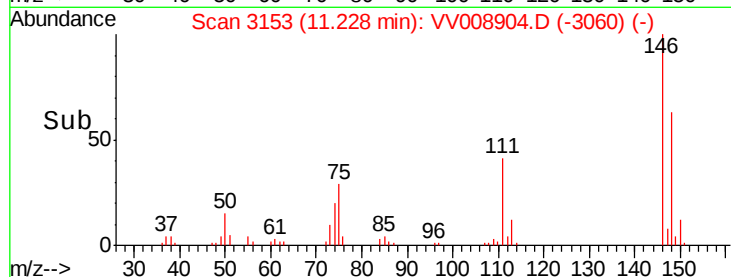
148 63.5 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 9.425 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

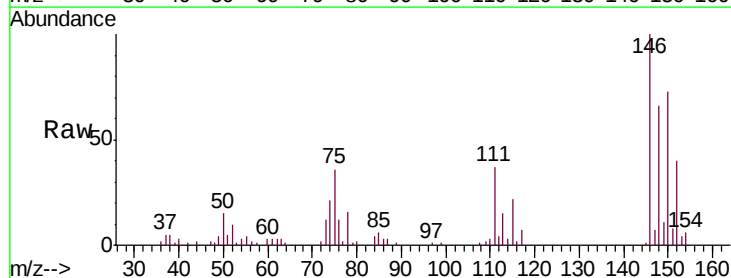
Tgt Ion:146 Resp: 26027

Ion Ratio Lower Upper

146 100

111 36.8 27.9 51.9

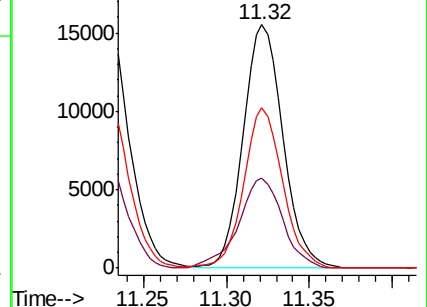
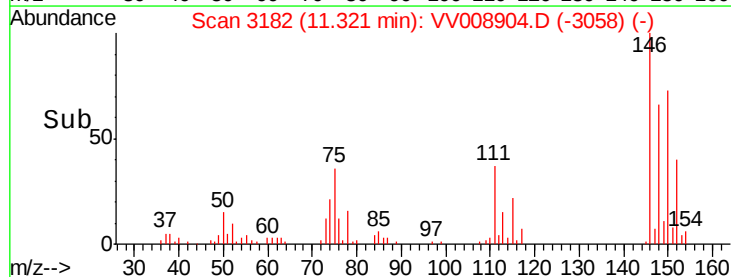
148 65.8 45.2 84.0

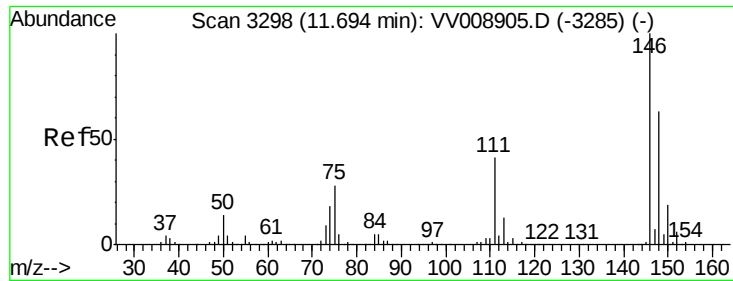


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.237 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD01071

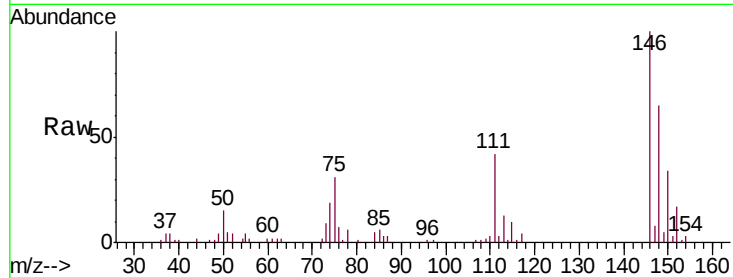
Tgt Ion:146 Resp: 25935

Ion Ratio Lower Upper

146 100

111 42.2 32.8 49.2

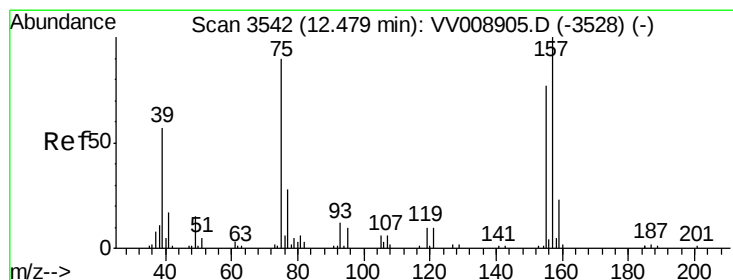
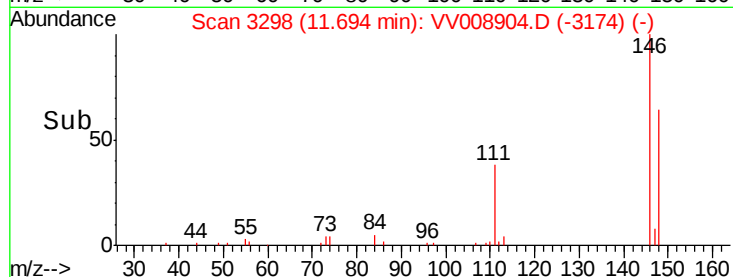
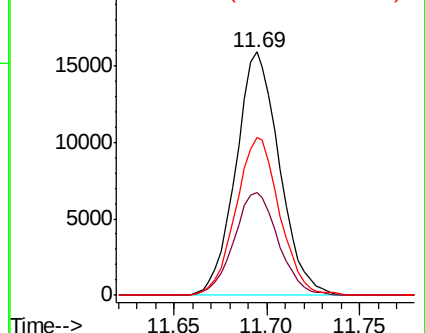
148 65.0 50.5 75.7



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: 7.531 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

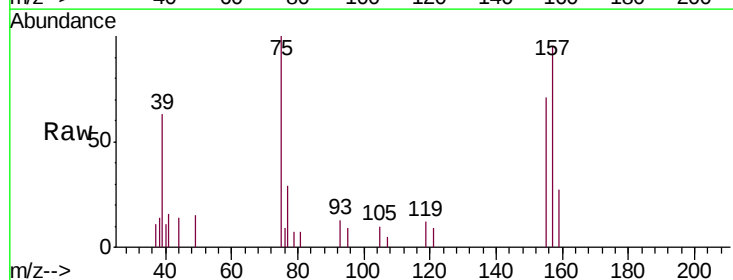
Tgt Ion: 75 Resp: 3317

Ion Ratio Lower Upper

75 100

155 71.2 68.6 102.8

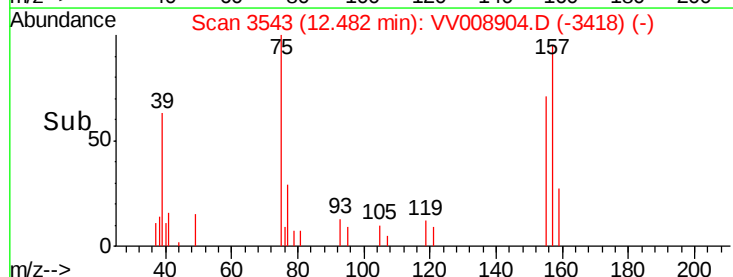
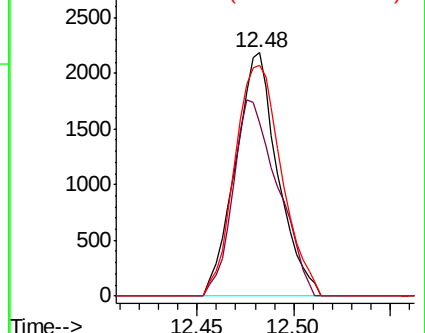
157 94.6 89.4 134.0

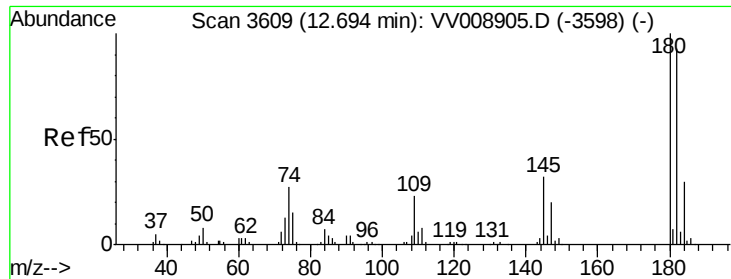


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

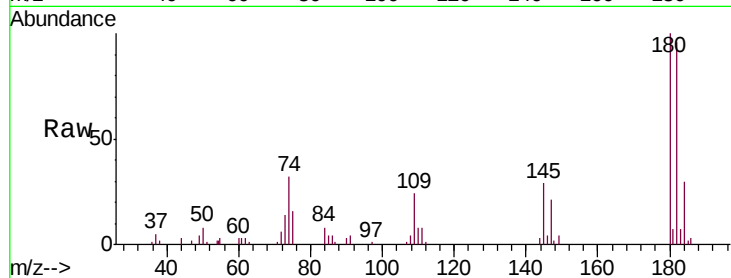




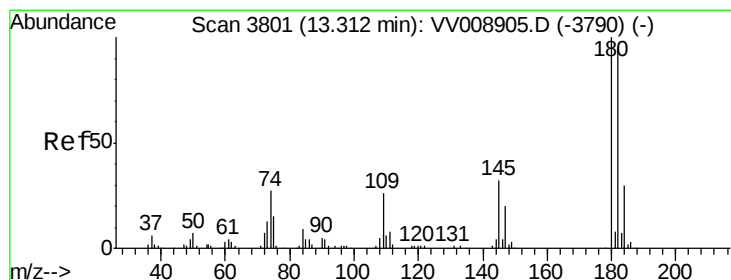
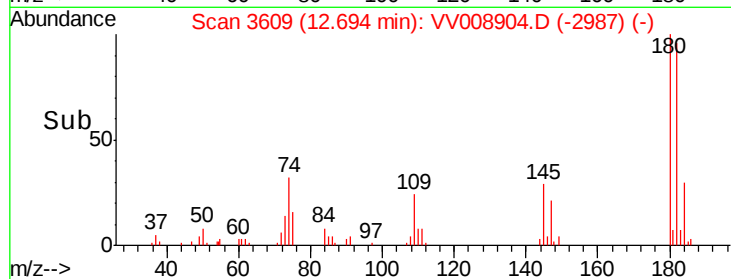
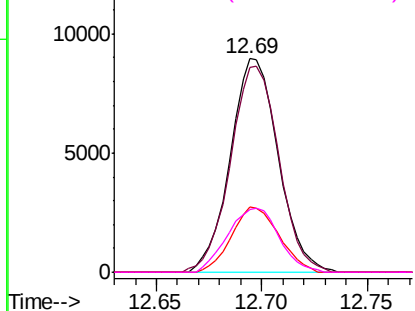
#67
 1,3,5-Trichlorobenzene
 Concen: 7.586 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01071

Tgt Ion:180 Resp: 14170
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.4 113.0
 184 30.1 24.2 36.2
 145 32.1 25.0 37.4

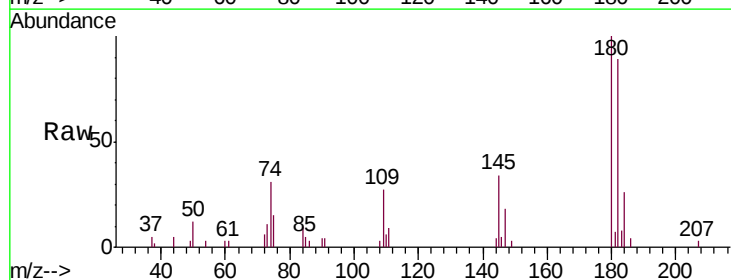


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

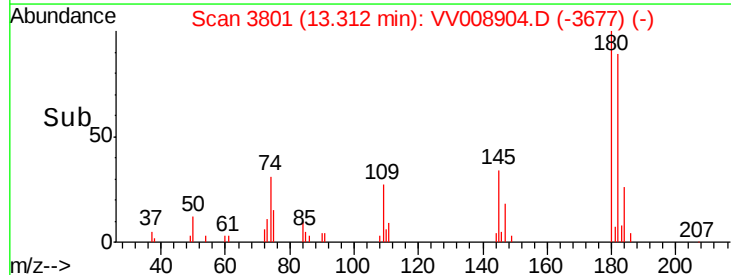
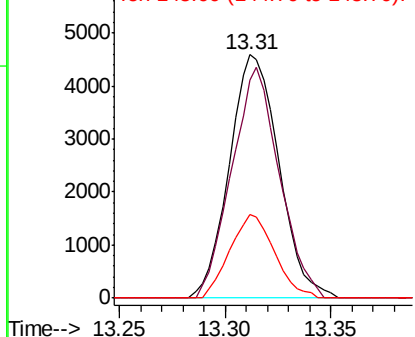


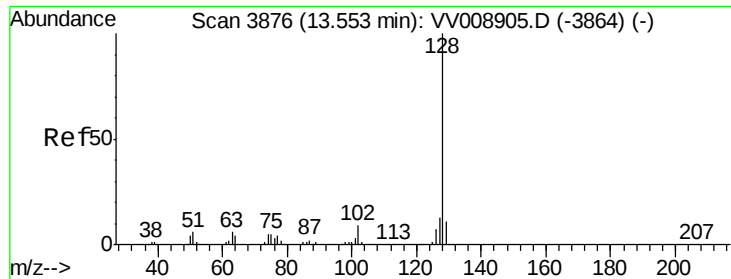
#68
 1,2,4-trichlorobenzene
 Concen: 5.409 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008904.D
 Acq: 13 Dec 2018 12:25

Tgt Ion:180 Resp: 7481
 Ion Ratio Lower Upper
 180 100
 182 91.1 75.7 113.5
 145 30.9 25.0 37.4



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: 5.396 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD01071

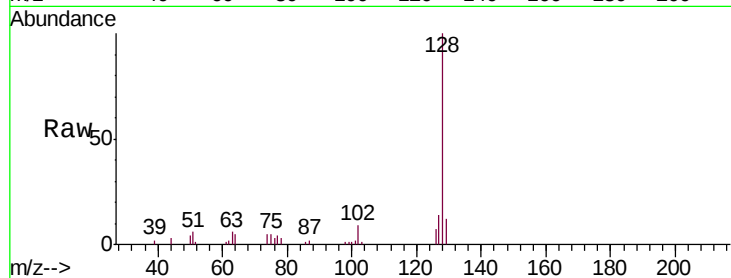
Tgt Ion:128 Resp: 20427

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

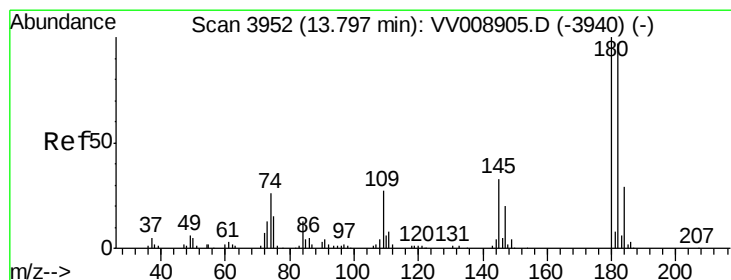
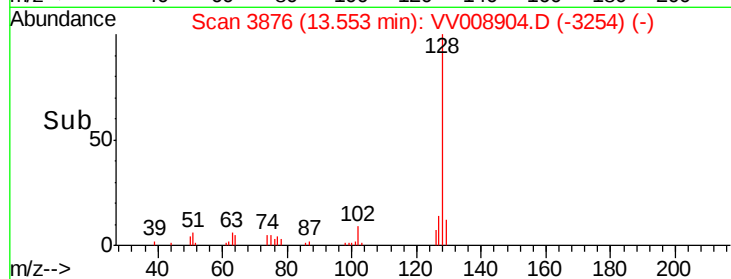
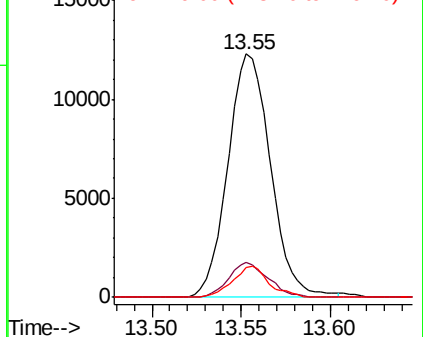
129 10.9 8.6 12.8



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: 5.210 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008904.D

Acq: 13 Dec 2018 12:25

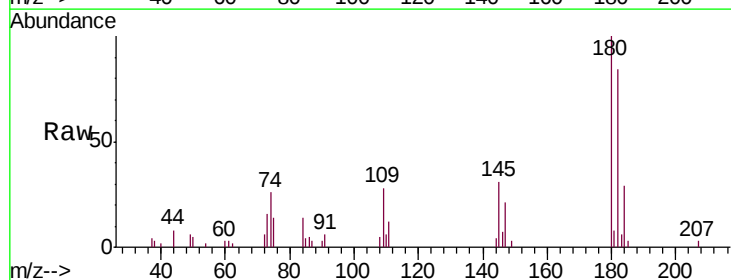
Tgt Ion:180 Resp: 7416

Ion Ratio Lower Upper

180 100

182 88.8 76.6 115.0

145 35.3 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

