

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008669.D
 Acq On : 20 Nov 2018 12:33
 Operator : SY/MD
 Sample : VSTD10072
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10072

Quant Time: Nov 21 01:06:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	265477	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	192135	109.31	ug/L	0.00
7) Chloroethane-d5	1.55	69	91121	81.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	311221	101.88	ug/L	0.00
21) 2-Butanone-d5	3.93	46	330631	219.07	ug/L	0.00
24) Chloroform-d	4.41	84	391902	101.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	248100	99.90	ug/L	0.00
32) Benzene-d6	5.10	84	802087	100.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	249354	97.31	ug/L	0.00
41) Toluene-d8	7.36	98	731883	101.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	118790	98.31	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	246313	224.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	348543	105.84	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	274918	96.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	207239	99.397	ug/L	100
3) Chloromethane	1.25	50	202303	109.866	ug/L	98
5) Vinyl chloride	1.32	62	202075	110.101	ug/L	98
6) Bromomethane	1.51	94	57688	97.324	ug/L	100
8) Chloroethane	1.57	64	101334	102.488	ug/L	95
9) Trichlorofluoromethane	1.76	101	257395	103.127	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	146184	102.006	ug/L	99
12) 1,1-Dichloroethene	2.14	96	132844	104.758	ug/L	93
13) Acetone	2.19	43	296917	242.078	ug/L	100
14) Carbon disulfide	2.31	76	522365	101.351	ug/L	99
15) Methyl Acetate	2.46	43	243063	108.095	ug/L	100
16) Methylene chloride	2.53	84	201044	98.309	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	184953	101.411	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	630239	101.740	ug/L	99
19) 1,1-Dichloroethane	3.23	63	354662	102.054	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	213731	103.923	ug/L	94
22) 2-Butanone	4.02	43	388131	229.565	ug/L	99
23) Bromochloromethane	4.30	128	101358	103.245	ug/L	97
25) Chloroform	4.43	83	364032	94.026	ug/L	98
27) 1,2-Dichloroethane	5.18	62	292375	103.784	ug/L	100
29) Cyclohexane	4.73	56	336291	95.721	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	309676	99.162	ug/L	100
31) Carbon tetrachloride	4.88	117	258107	95.930	ug/L	99
33) Benzene	5.15	78	802516	101.686	ug/L	100
34) Trichloroethene	5.96	95	206526	99.149	ug/L	95
35) Methylcyclohexane	6.18	83	347166	98.205	ug/L	99
37) 1,2-Dichloropropane	6.23	63	214809	100.325	ug/L	99
38) Bromodichloromethane	6.56	83	262197	98.238	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	327312	100.812	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	629400	217.047	ug/L	99

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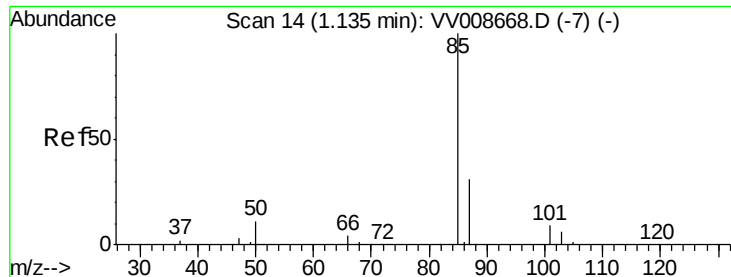
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	843924	102.597	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	302050	102.305	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	196788	102.486	ug/L	98
46) Tetrachloroethene	8.02	164	151818	101.809	ug/L	99
48) 2-Hexanone	8.19	43	515849	229.803	ug/L	100
49) Dibromochloromethane	8.29	129	204992	102.096	ug/L	100
50) 1,2-Dibromoethane	8.40	107	211141	105.845	ug/L	98
51) Chlorobenzene	8.93	112	531003	102.869	ug/L	99
52) Ethylbenzene	9.06	91	931343	102.831	ug/L	100
53) m,p-Xylene	9.18	106	345504	104.089	ug/L	100
54) o-xylene	9.59	106	340778	103.560	ug/L	97
55) Styrene	9.61	104	588300	108.559	ug/L	99
56) Isopropylbenzene	9.98	105	902183	104.152	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	341194	108.662	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	277093	107.050	ug/L	98
61) Bromoform	9.78	173	140557	94.546	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	412289	98.896	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	419705	100.288	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	427431	100.273	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	72818	98.059	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	299544	104.531	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	250946	111.847	ug/L	99
69) Naphthalene	13.55	128	778898	119.902	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	256078	113.100	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 99.397 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

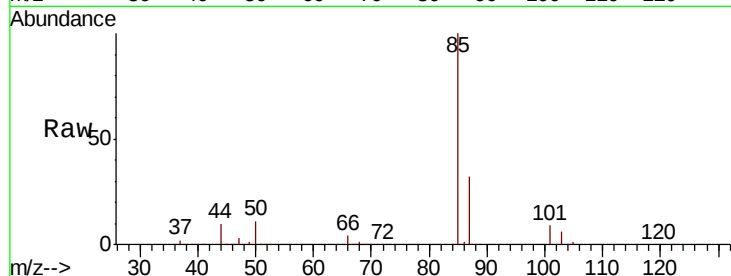
VSTD10072

Tgt Ion: 85 Resp: 207239

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008668.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008669.D (-1) (-)

1.14

200000

150000

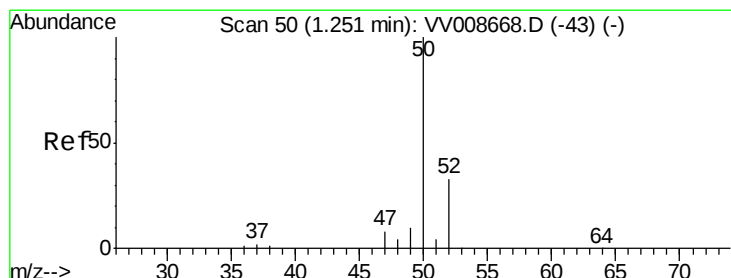
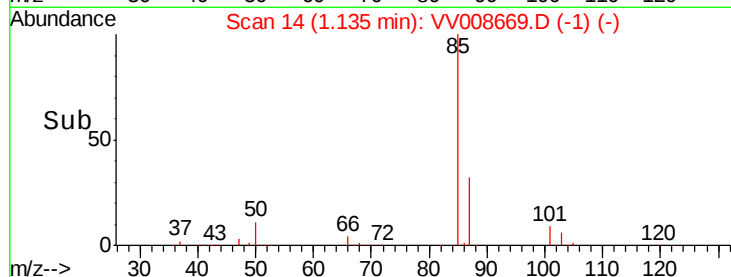
100000

50000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 109.866 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008669.D

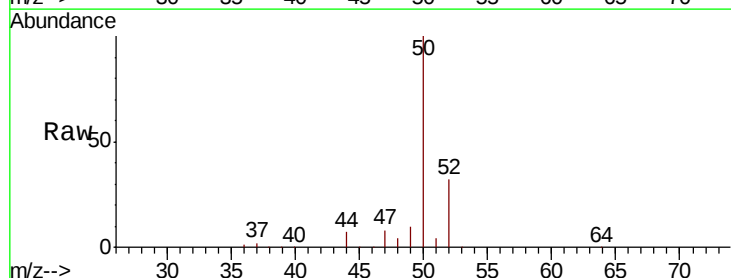
Acq: 20 Nov 2018 12:33

Tgt Ion: 50 Resp: 202303

Ion Ratio Lower Upper

50 100

52 31.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV008668.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008669.D (-1) (-)

1.25

200000

150000

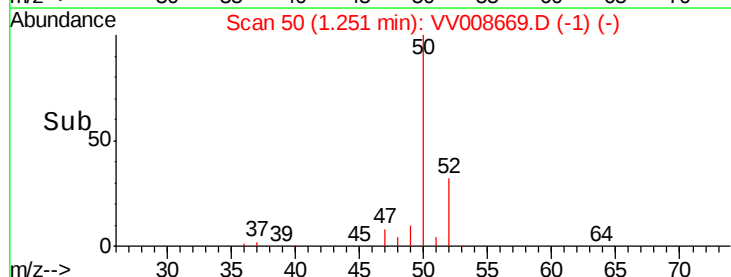
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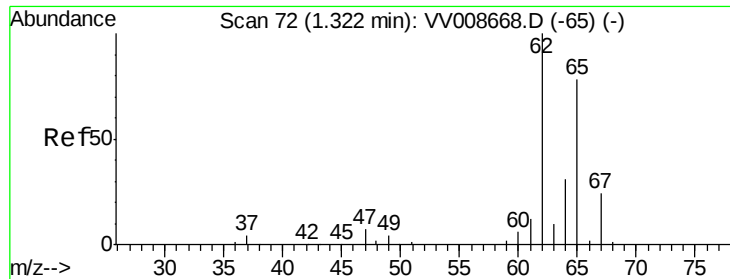
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 110.101 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

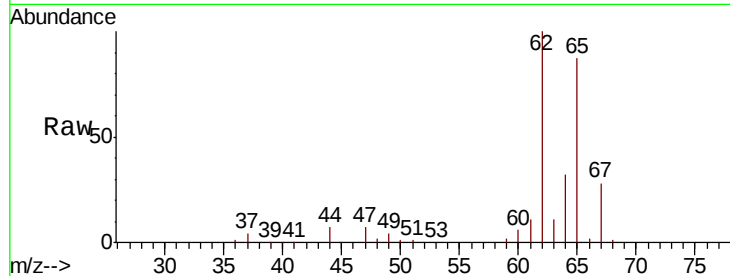
VSTD10072

Tgt Ion: 62 Resp: 202075

Ion Ratio Lower Upper

62 100

64 32.4 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

150000

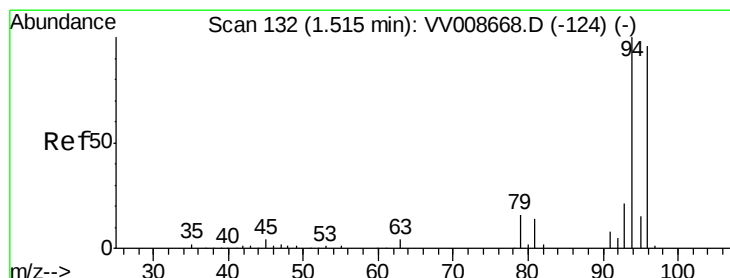
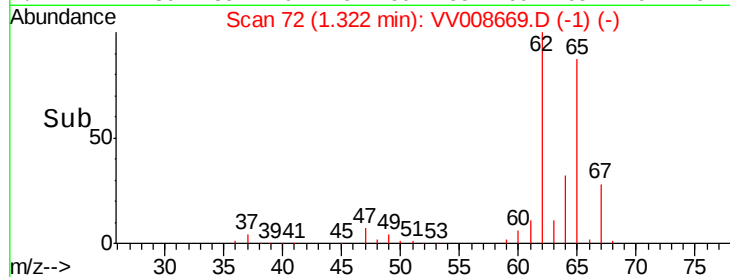
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 97.324 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008669.D

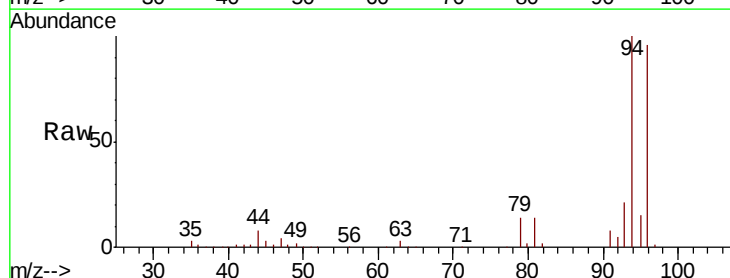
Acq: 20 Nov 2018 12:33

Tgt Ion: 94 Resp: 57688

Ion Ratio Lower Upper

94 100

96 96.0 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

60000

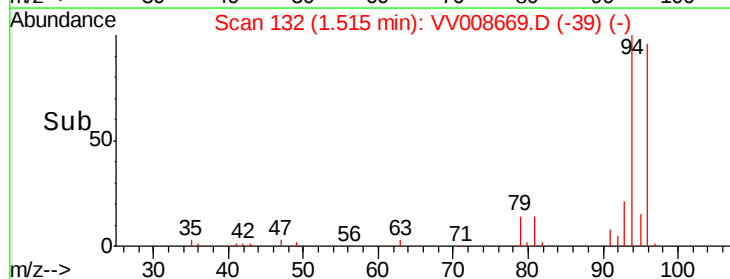
40000

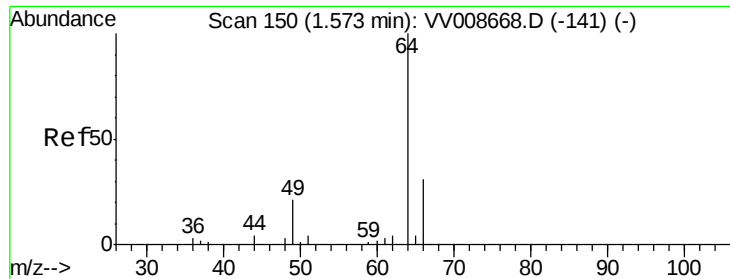
20000

0

Time-->

1.45 1.50 1.55





#8

Chloroethane

Concen: 102.488 ug/L

RT: 1.57 min Scan# 150

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

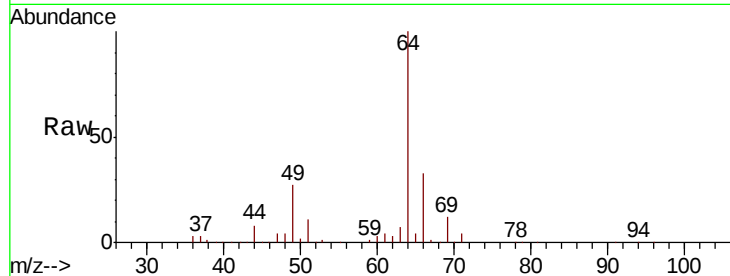
VSTD10072

Tgt Ion: 64 Resp: 101334

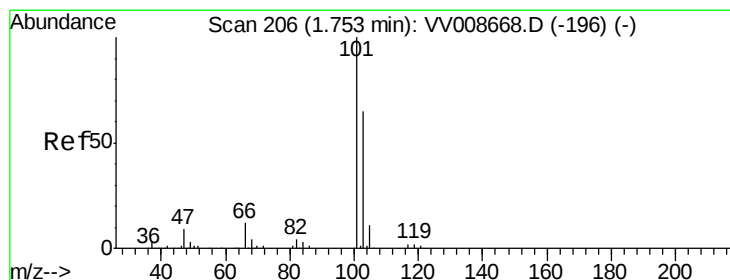
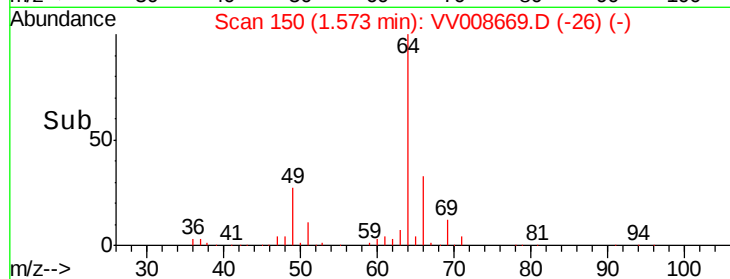
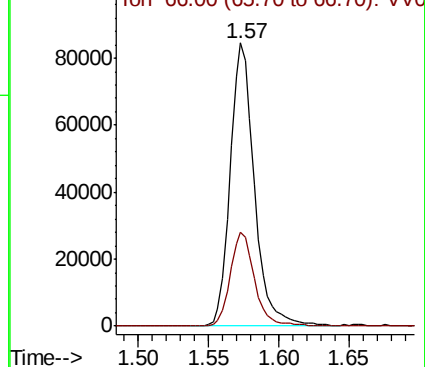
Ion Ratio Lower Upper

64 100

66 33.4 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VV008669.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 103.127 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV008669.D

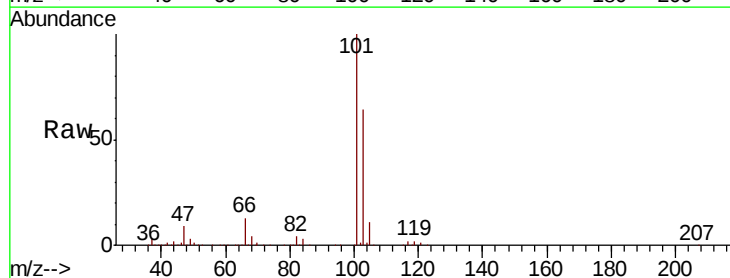
Acq: 20 Nov 2018 12:33

Tgt Ion: 101 Resp: 257395

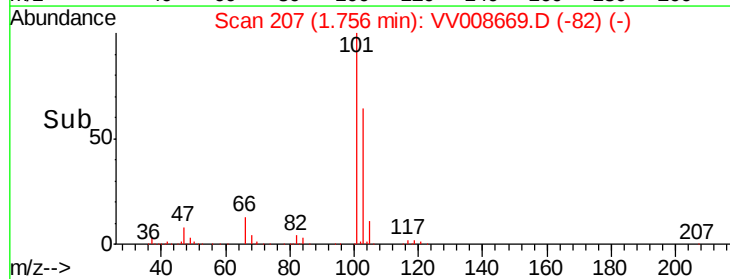
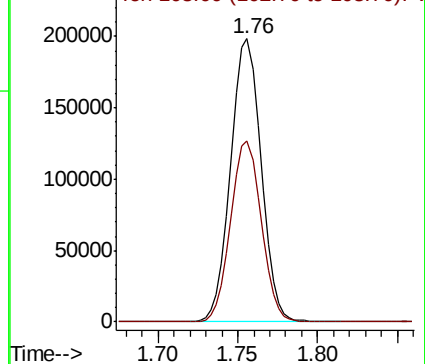
Ion Ratio Lower Upper

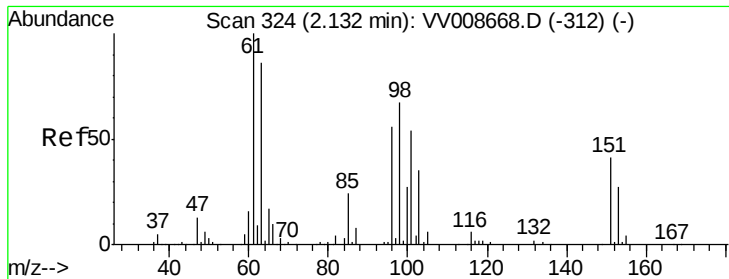
101 100

103 64.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008669.D (-196) (-)





#10

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

Concen: 102.006 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

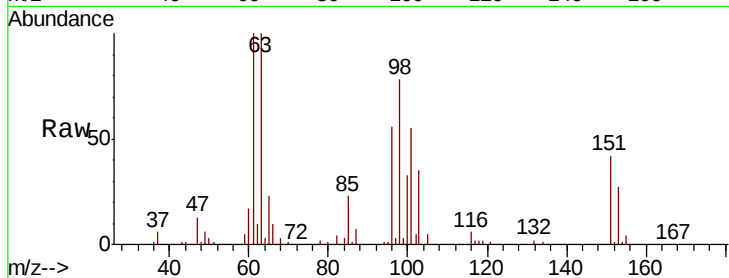
Tgt Ion:101 Resp: 146184

Ion Ratio Lower Upper

101 100

85 42.6 34.8 52.2

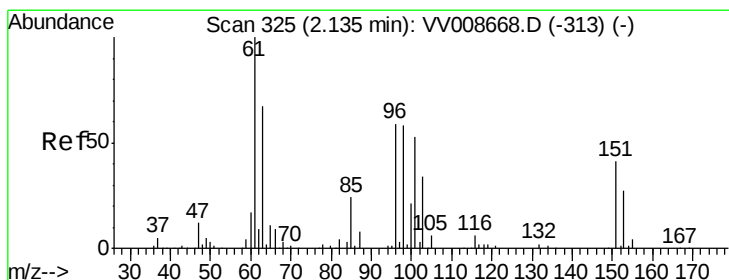
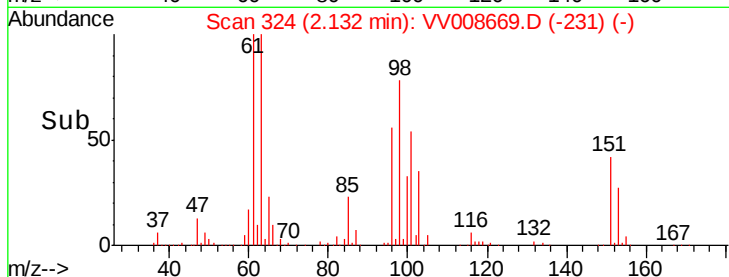
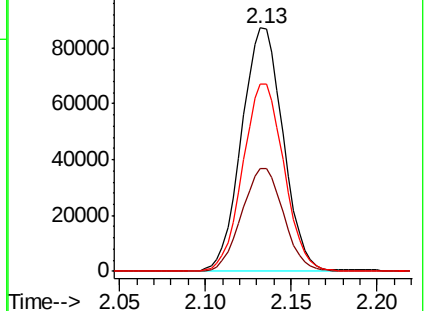
151 76.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008668.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV008668.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV008668.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 104.758 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

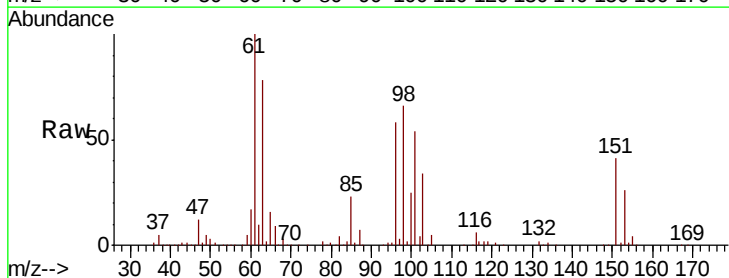
Tgt Ion: 96 Resp: 132844

Ion Ratio Lower Upper

96 100

61 171.3 118.4 220.0

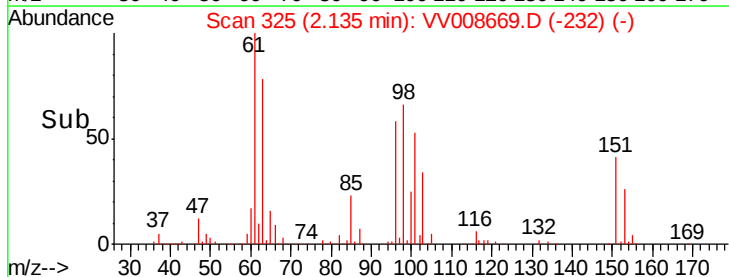
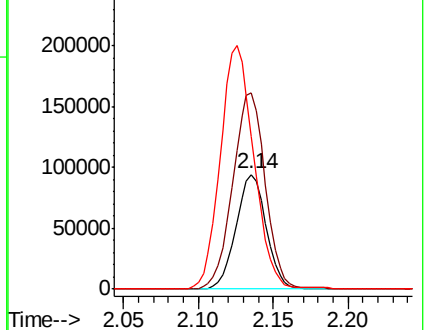
63 133.7 81.8 152.0

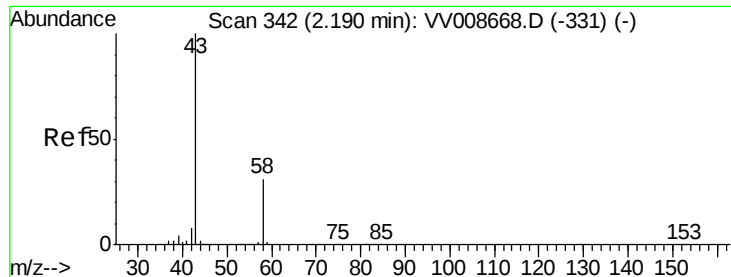


Abundance Ion 96.00 (95.70 to 96.70): VV008669.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV008669.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV008669.D (-232) (-)





#13

Acetone

Concen: 242.078 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

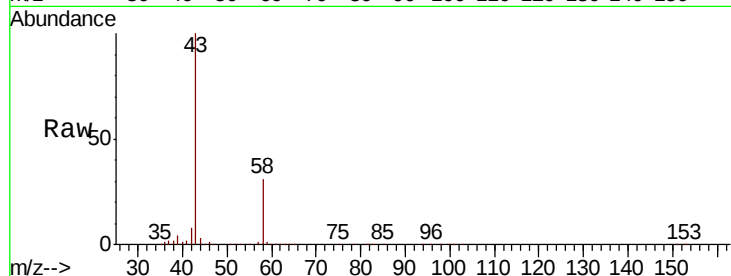
VSTD10072

Tgt Ion: 43 Resp: 296917

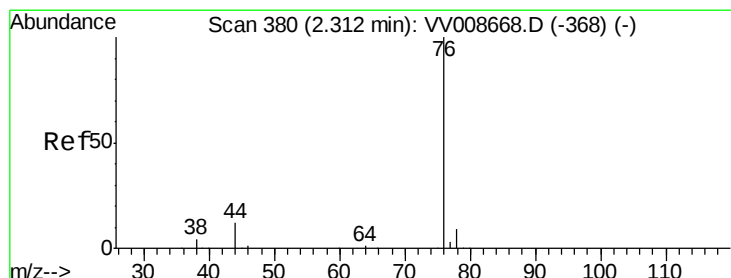
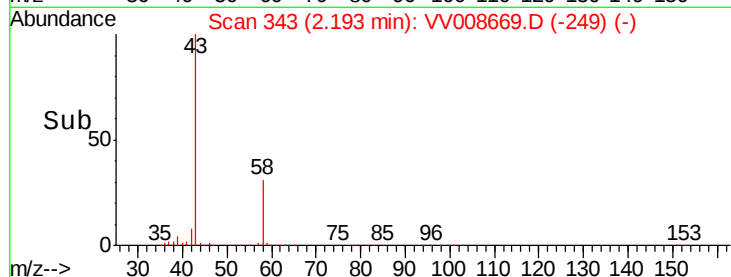
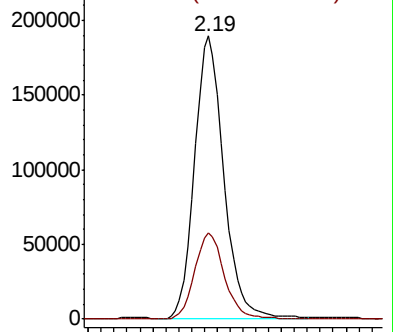
Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VV008669.D (-249) (-)



#14

Carbon disulfide

Concen: 101.351 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV008669.D

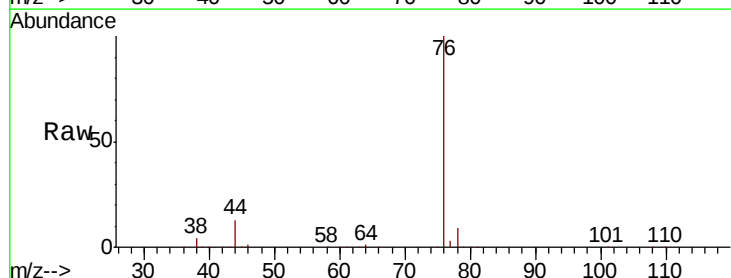
Acq: 20 Nov 2018 12:33

Tgt Ion: 76 Resp: 522365

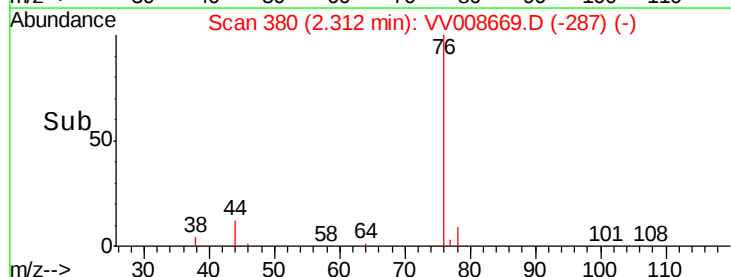
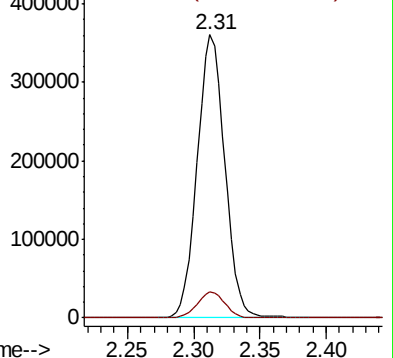
Ion Ratio Lower Upper

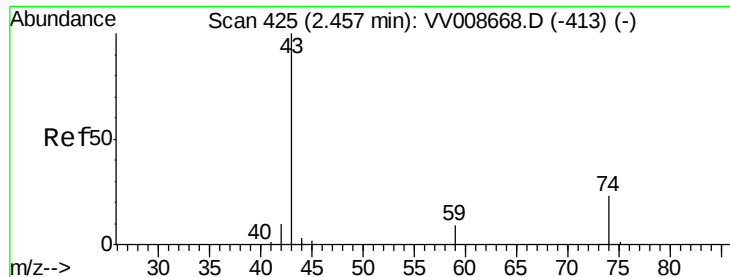
76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV008669.D (-287) (-)

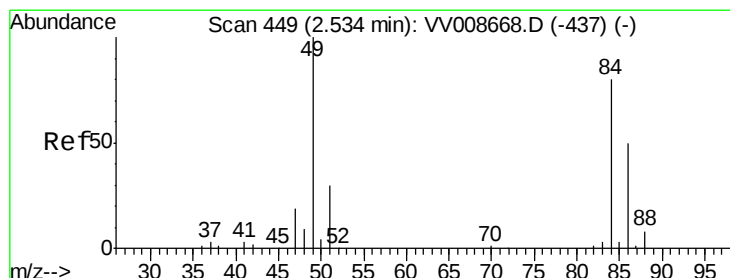
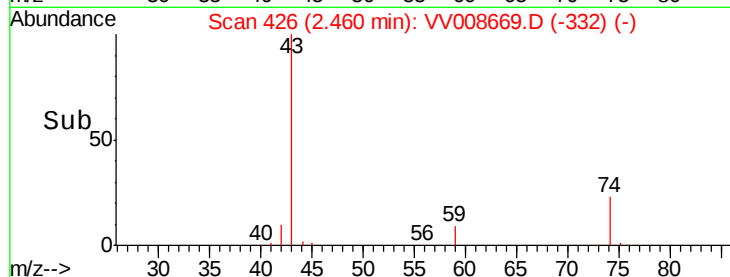
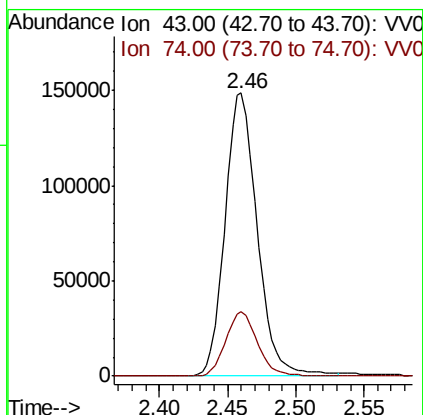
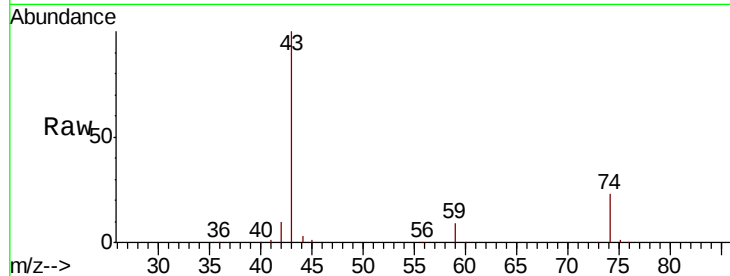




#15
Methyl Acetate
Concen: 108.095 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

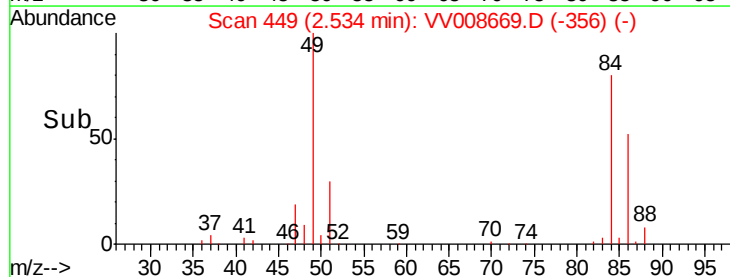
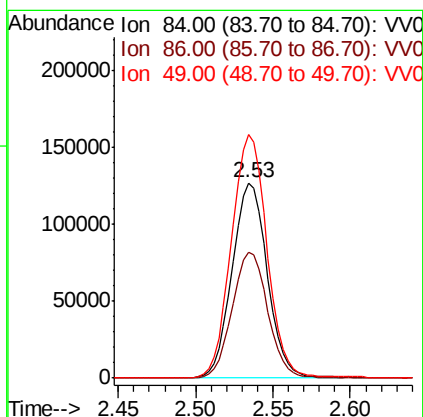
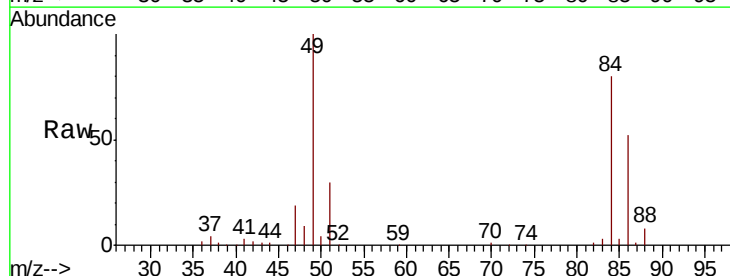
Instrument :
MSVOA_V
ClientSampleId :
VSTD10072

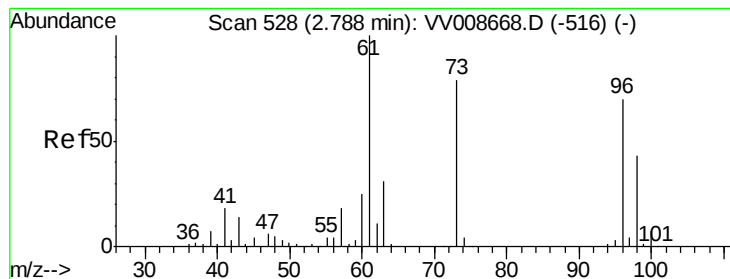
Tgt Ion: 43 Resp: 243063
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1



#16
Methylene chloride
Concen: 98.309 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Tgt Ion: 84 Resp: 201044
Ion Ratio Lower Upper
84 100
86 64.8 43.6 81.0
49 124.9 87.1 161.7





#17

trans-1,2-Dichloroethene

Concen: 101.411 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

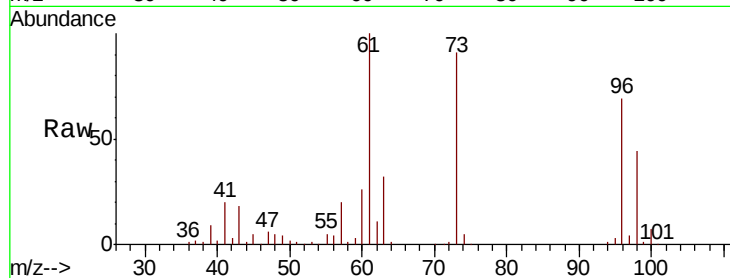
Tgt Ion: 96 Resp: 184953

Ion Ratio Lower Upper

96 100

61 145.1 100.4 186.4

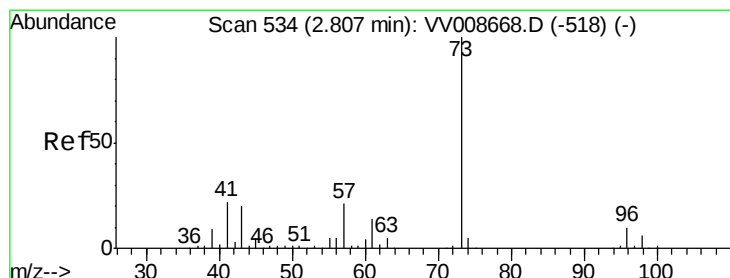
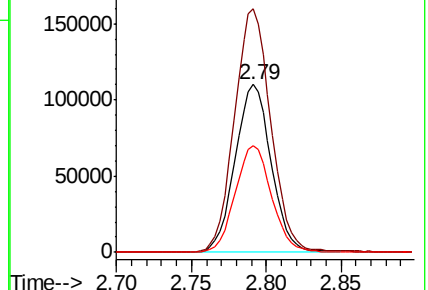
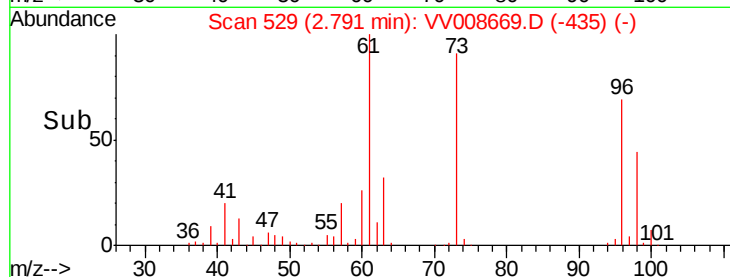
98 63.8 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VV008669.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV008669.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV008669.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 101.740 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

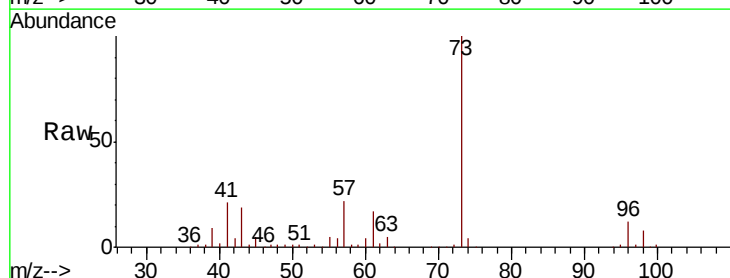
Tgt Ion: 73 Resp: 630239

Ion Ratio Lower Upper

73 100

43 19.4 16.0 24.0

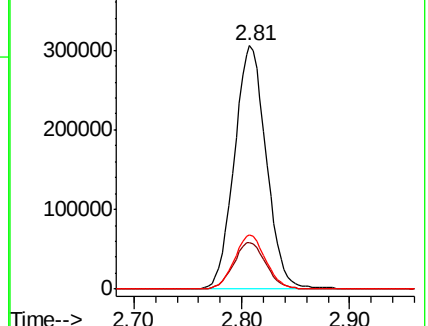
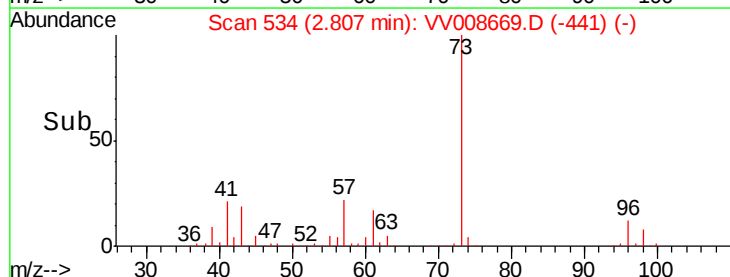
57 22.0 17.5 26.3

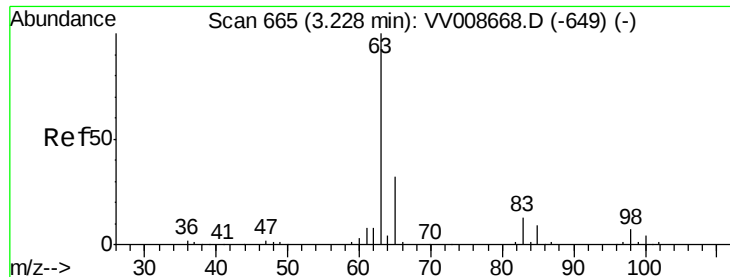


Abundance Ion 73.00 (72.70 to 73.70): VV008669.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008669.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008669.D (-441) (-)





#19

1,1-Dichloroethane

Concen: 102.054 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

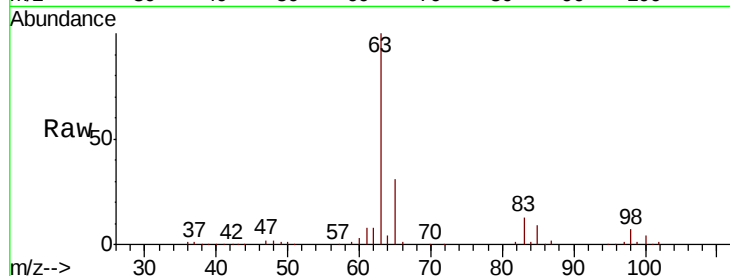
Tgt Ion: 63 Resp: 354662

Ion Ratio Lower Upper

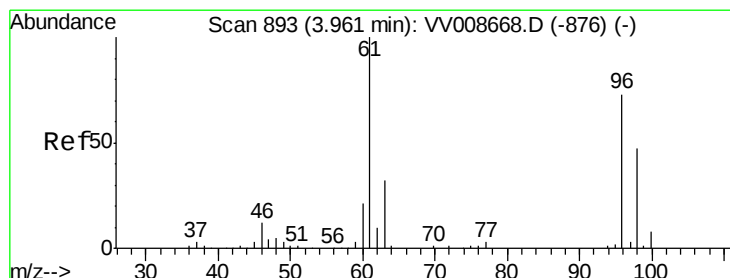
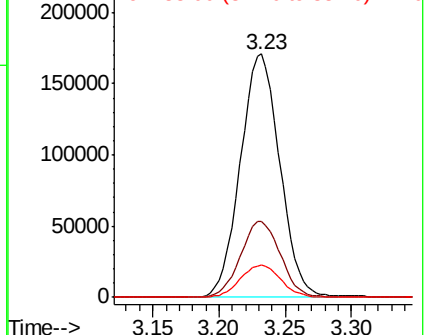
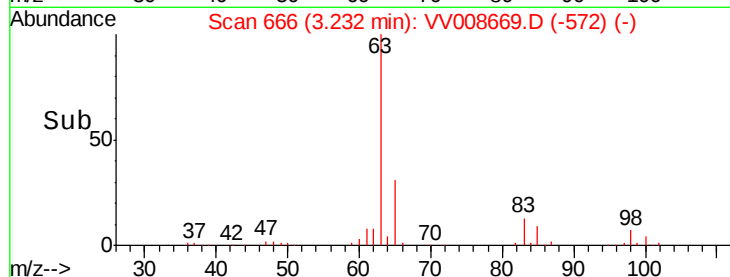
63 100

65 31.3 22.5 41.7

83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV008669.D (-572) (-)



#20

cis-1,2-Dichloroethene

Concen: 103.923 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

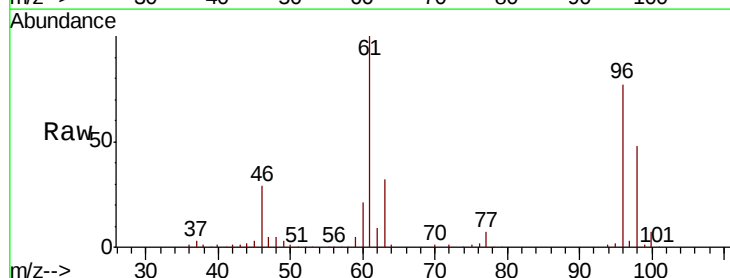
Tgt Ion: 96 Resp: 213731

Ion Ratio Lower Upper

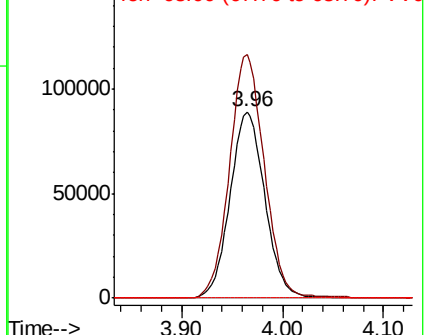
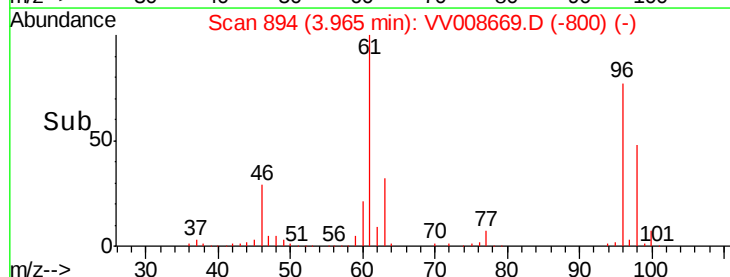
96 100

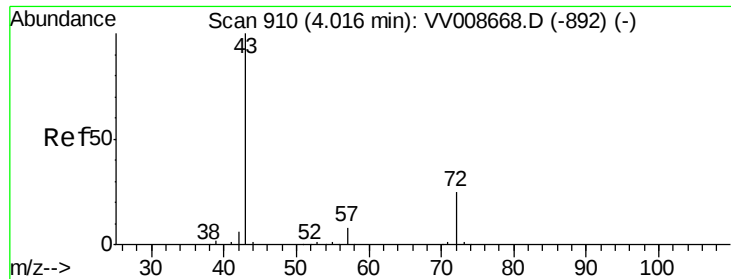
61 130.7 96.5 179.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008669.D (-800) (-)





#22

2-Butanone

Concen: 229.565 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

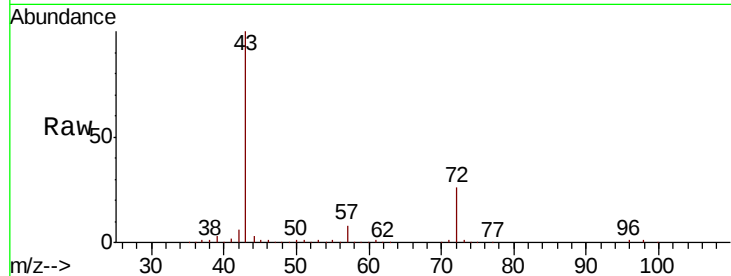
VSTD10072

Tgt Ion: 43 Resp: 388131

Ion Ratio Lower Upper

43 100

72 26.3 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV008669.D (-911) (-)

Ion 72.00 (71.70 to 72.70): VV008669.D (-911) (-)

4.02

150000

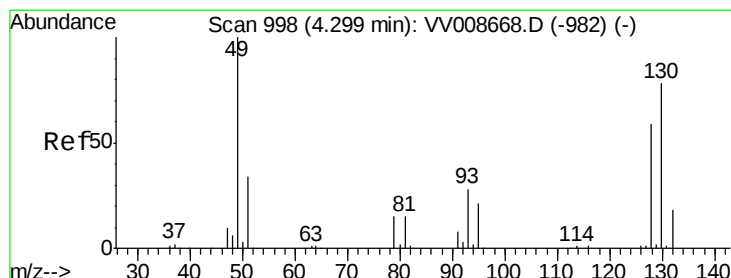
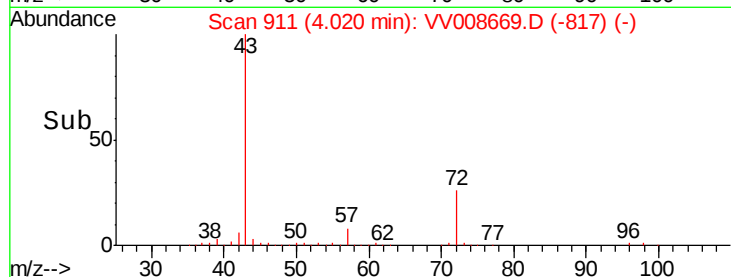
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#23

Bromochloromethane

Concen: 103.245 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Tgt Ion: 128 Resp: 101358

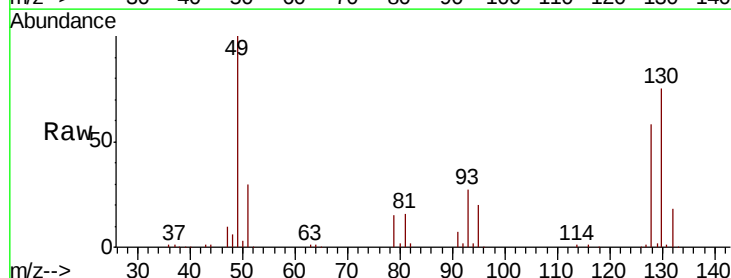
Ion Ratio Lower Upper

128 100

49 172.4 118.1 219.3

130 129.8 91.6 170.2

51 52.2 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV008669.D (-999) (-)

Ion 49.00 (48.70 to 49.70): VV008669.D (-999) (-)

Ion 130.00 (129.70 to 130.70): VV008669.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VV008669.D (-999) (-)

4.30

100000

80000

60000

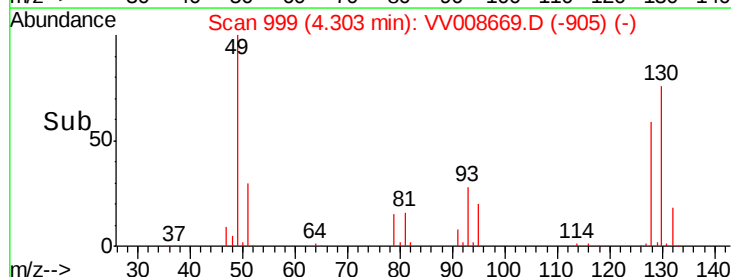
40000

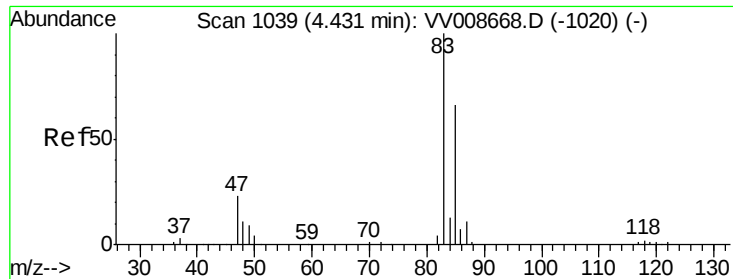
20000

0

4.20 4.25 4.30 4.35 4.40

Time-->

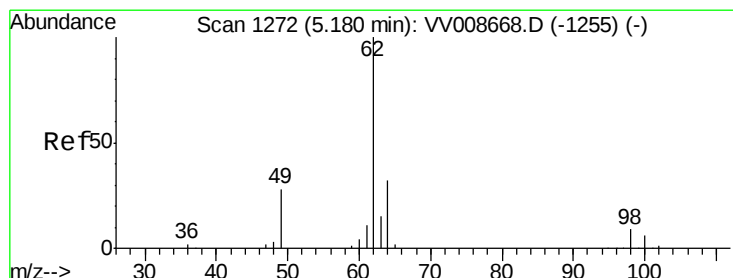
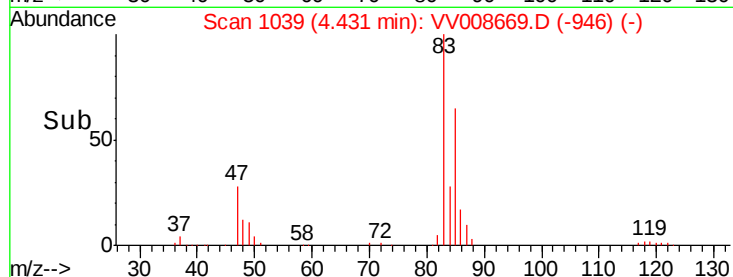
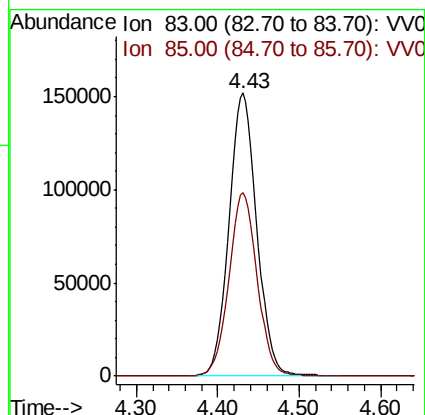
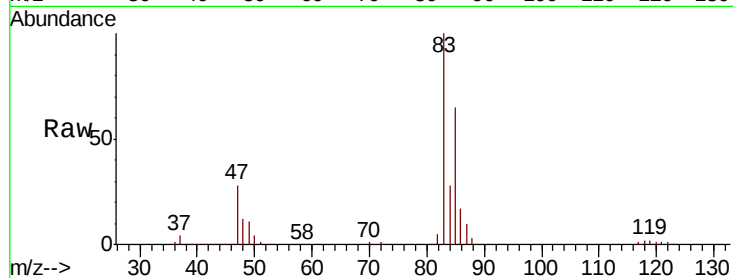




#25
Chloroform
Concen: 94.026 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

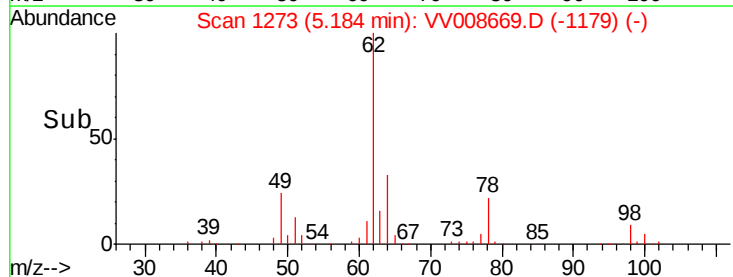
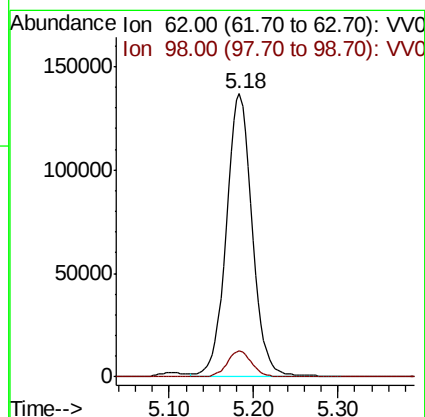
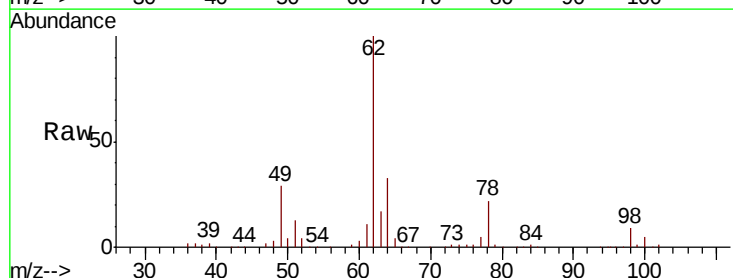
Instrument :
MSVOA_V
ClientSampleId :
VSTD10072

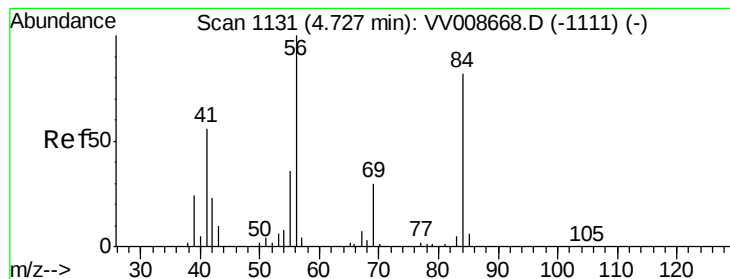
Tgt Ion: 83 Resp: 364032
Ion Ratio Lower Upper
83 100
85 64.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 103.784 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Tgt Ion: 62 Resp: 292375
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 95.721 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

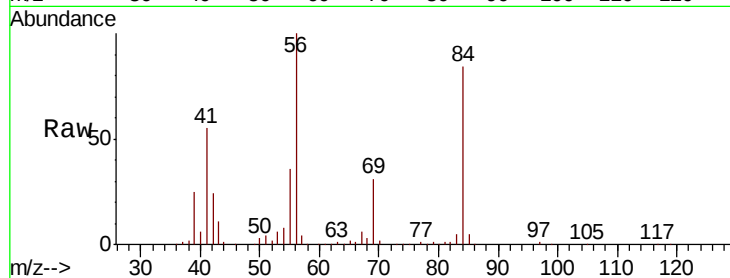
Tgt Ion: 56 Resp: 336291

Ion Ratio Lower Upper

56 100

69 31.0 24.4 36.6

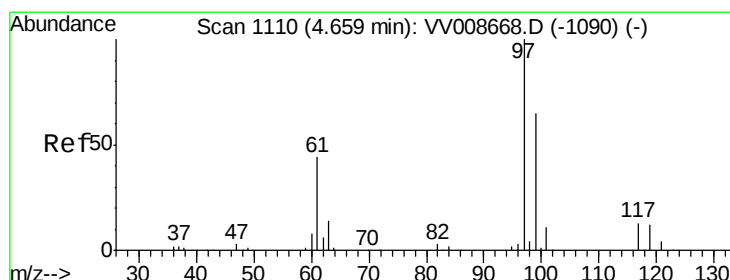
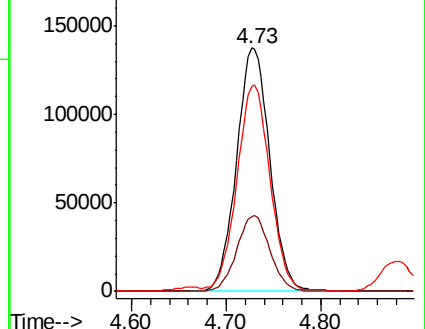
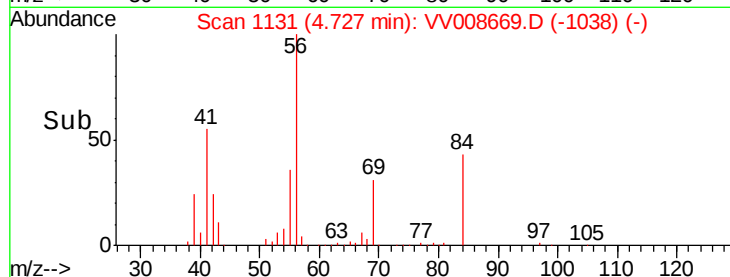
84 83.8 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008669.D (-1038) (-)

Ion 69.00 (68.70 to 69.70): VV008669.D (-1038) (-)

Ion 84.00 (83.70 to 84.70): VV008669.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 99.162 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

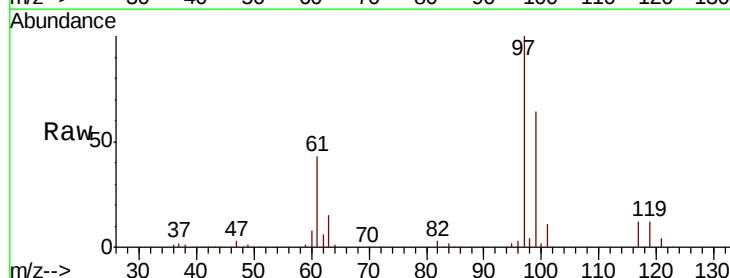
Tgt Ion: 97 Resp: 309676

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.2

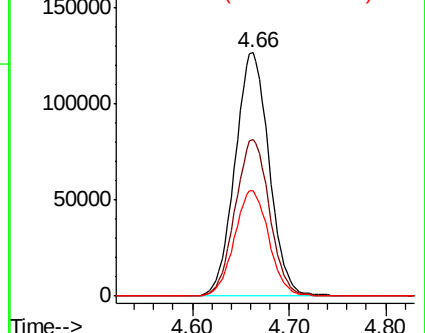
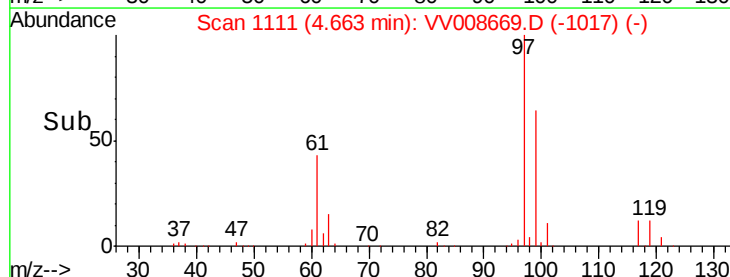
61 43.7 35.2 52.8

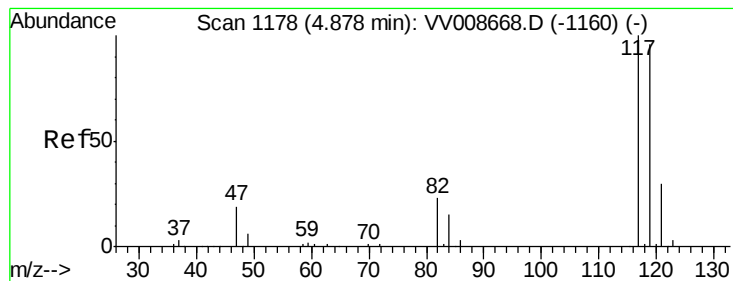


Abundance Ion 97.00 (96.70 to 97.70): VV008669.D (-1017) (-)

Ion 99.00 (98.70 to 99.70): VV008669.D (-1017) (-)

Ion 61.05 (60.75 to 61.75): VV008669.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 95.930 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

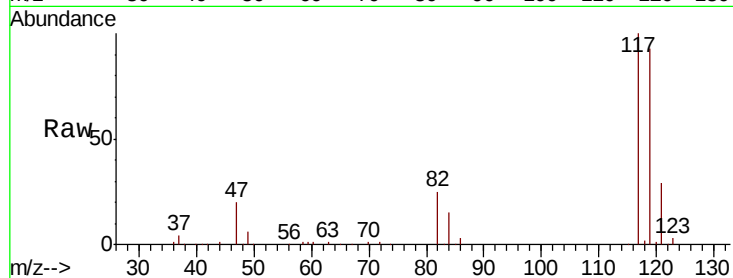
VSTD10072

Tgt Ion:117 Resp: 258107

Ion Ratio Lower Upper

117 100

119 94.8 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

120000

100000

80000

60000

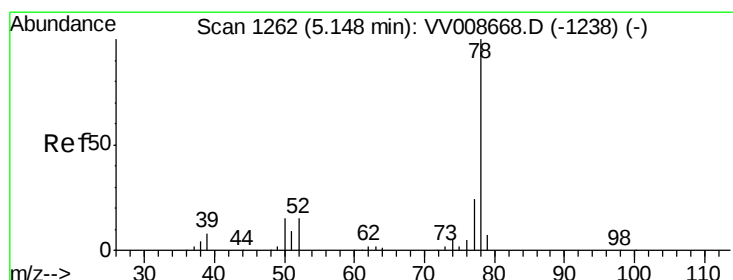
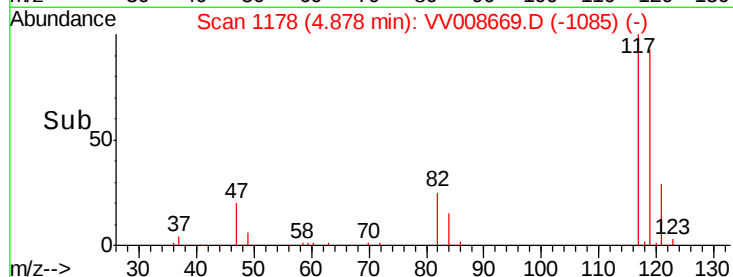
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 101.686 ug/L

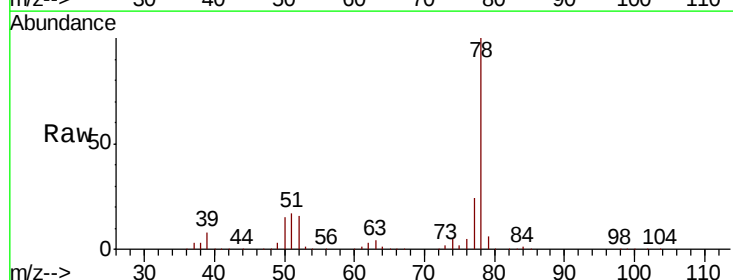
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Tgt Ion: 78 Resp: 802516



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

400000

300000

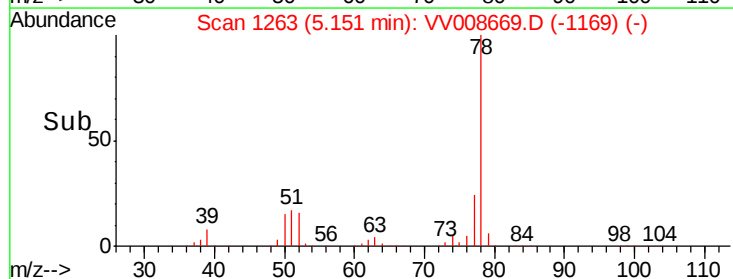
200000

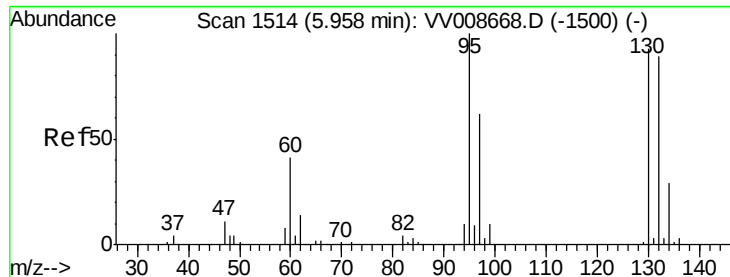
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 99.149 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

Tgt Ion: 95 Resp: 206526

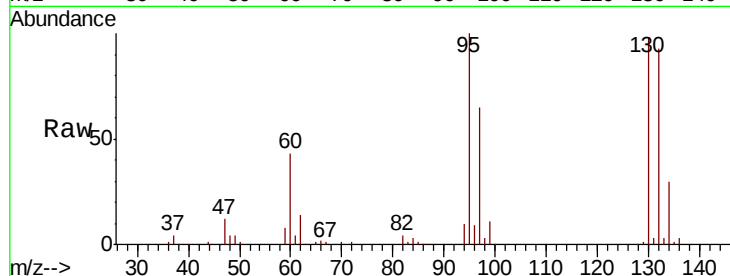
Ion Ratio Lower Upper

95 100

97 65.4 43.2 80.2

132 93.3 62.0 115.2

130 98.3 65.4 121.4

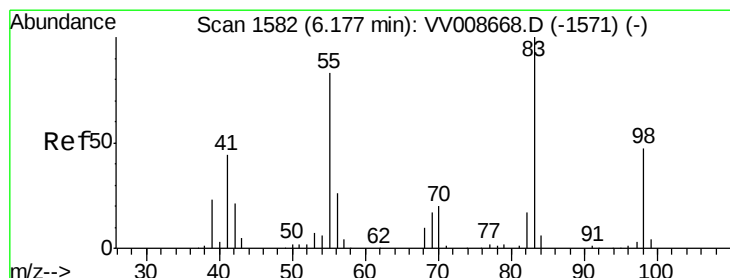
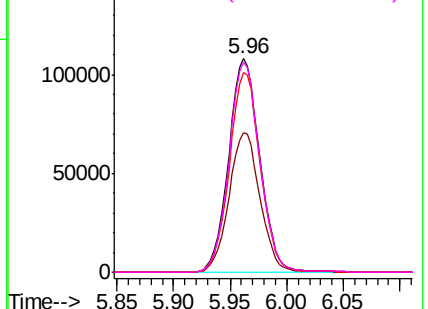
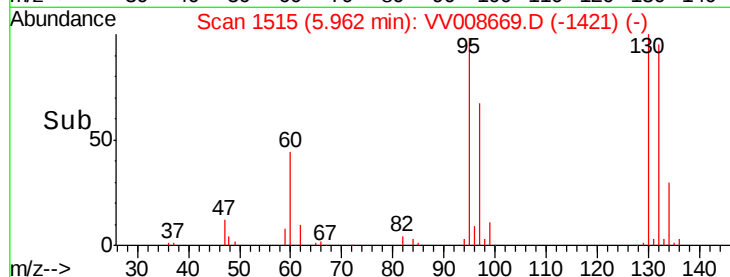


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 98.205 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

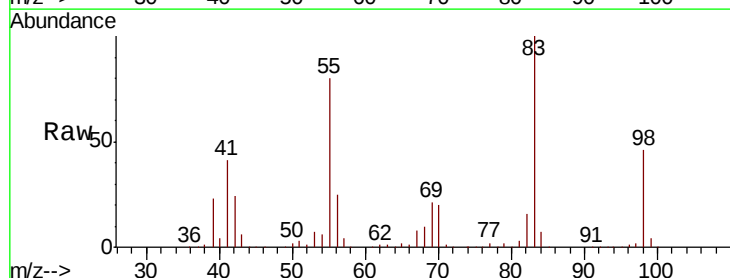
Tgt Ion: 83 Resp: 347166

Ion Ratio Lower Upper

83 100

55 79.4 63.8 95.6

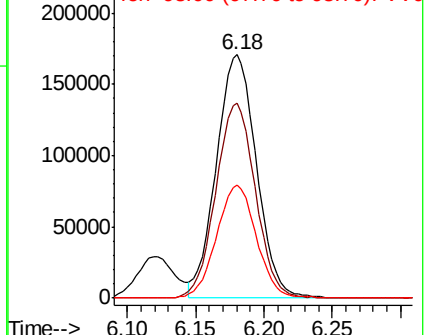
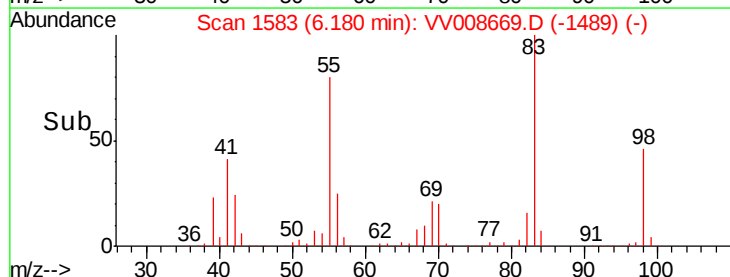
98 46.4 36.1 54.1

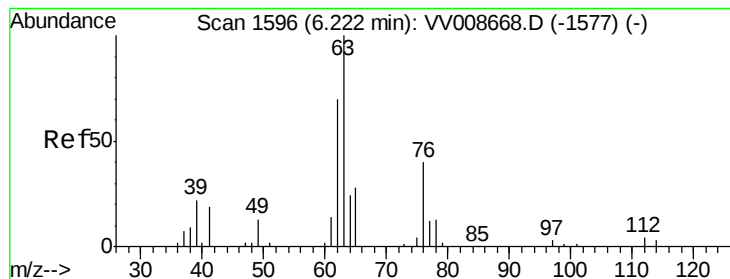


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 100.325 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

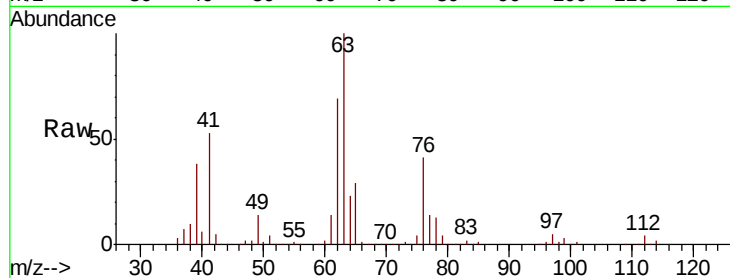
VSTD10072

Tgt Ion: 63 Resp: 214809

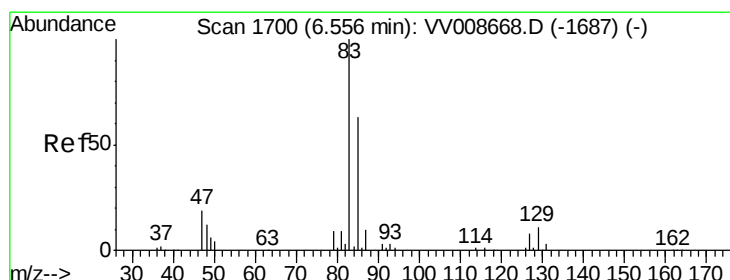
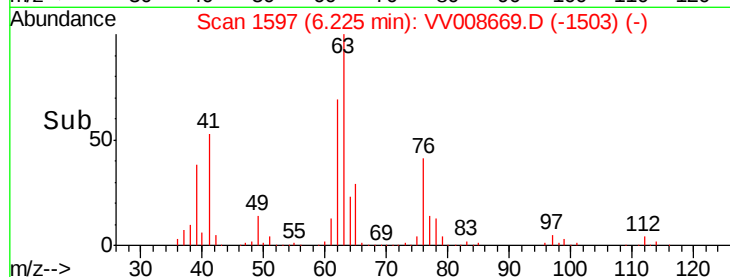
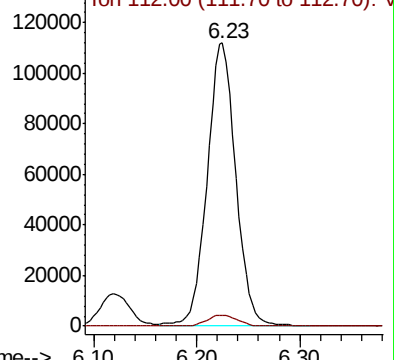
Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VV008668.D (-1577) (-)



#38

Bromodichloromethane

Concen: 98.238 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

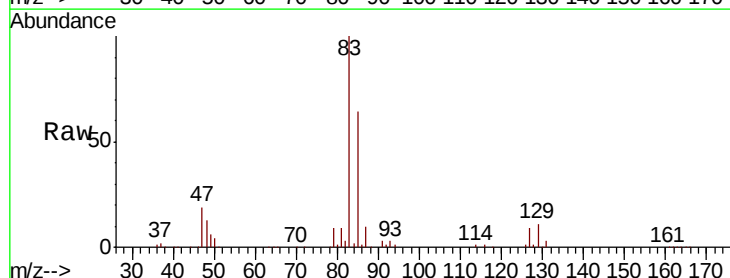
Tgt Ion: 83 Resp: 262197

Ion Ratio Lower Upper

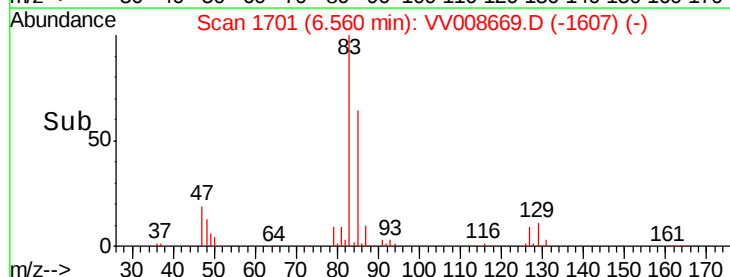
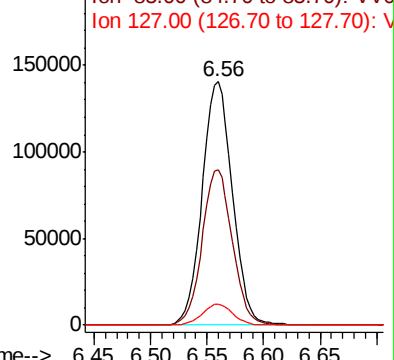
83 100

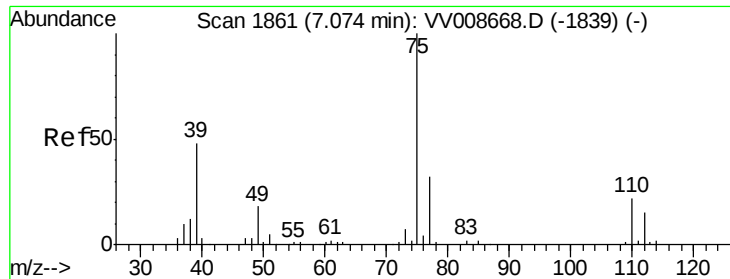
85 64.0 43.8 81.3

127 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV008668.D (-1687) (-)

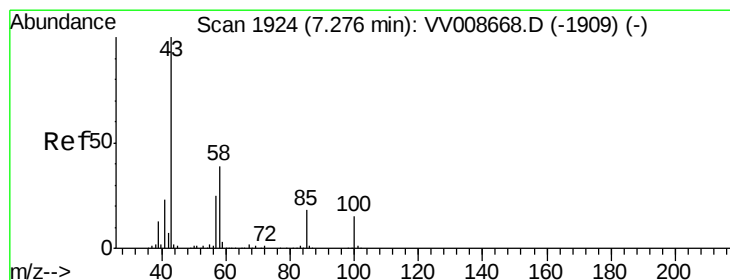
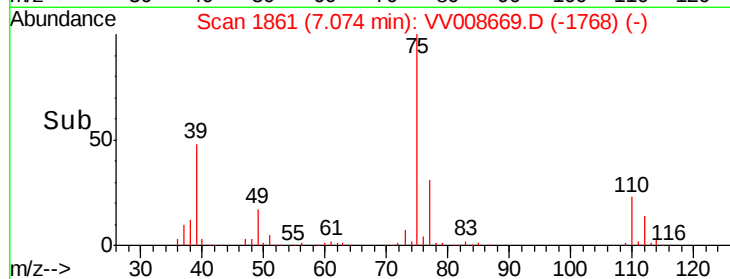
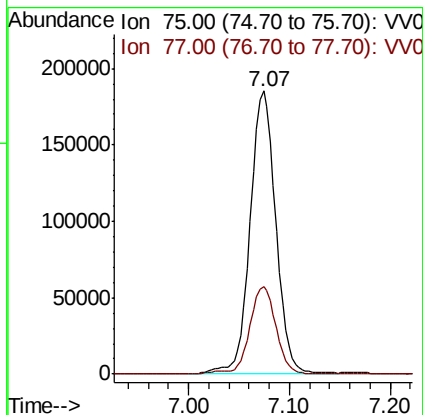
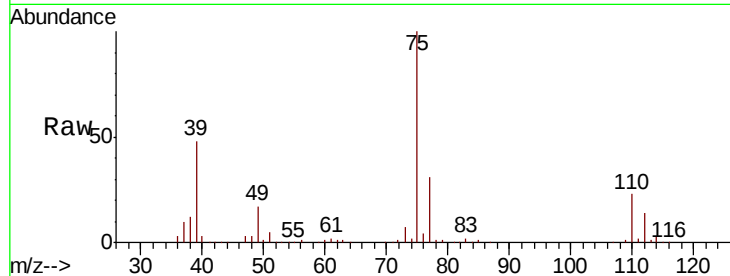




#39
 cis-1,3-Dichloropropene
 Concen: 100.812 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008669.D
 Acq: 20 Nov 2018 12:33

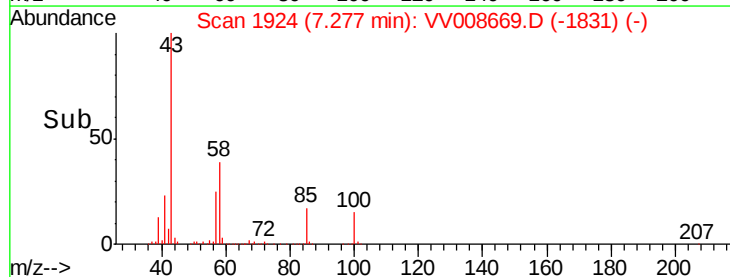
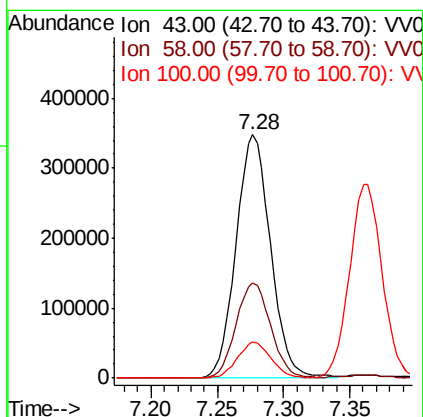
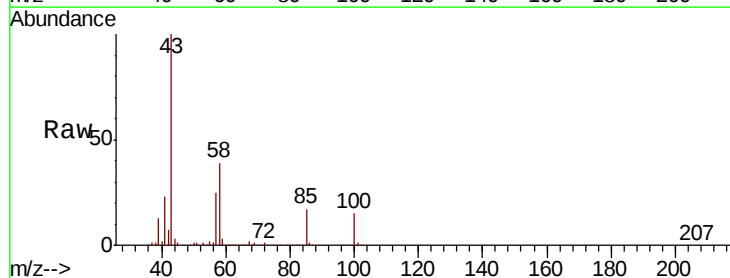
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10072

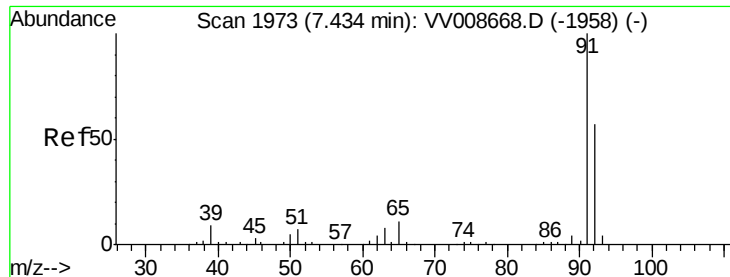
Tgt Ion: 75 Resp: 327312
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 217.047 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008669.D
 Acq: 20 Nov 2018 12:33

Tgt Ion: 43 Resp: 629400
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.1 46.7
 100 14.5 11.6 17.4





#42

Toluene

Concen: 102.597 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

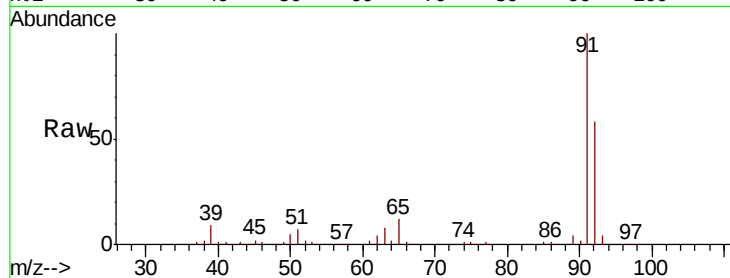
VSTD10072

Tgt Ion: 91 Resp: 843924

Ion Ratio Lower Upper

91 100

92 58.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV008668.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008669.D (-1880) (-)

7.43

500000

400000

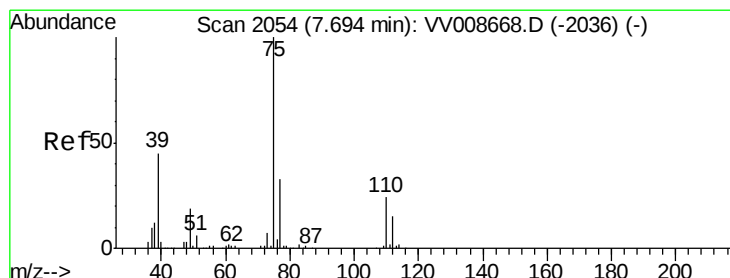
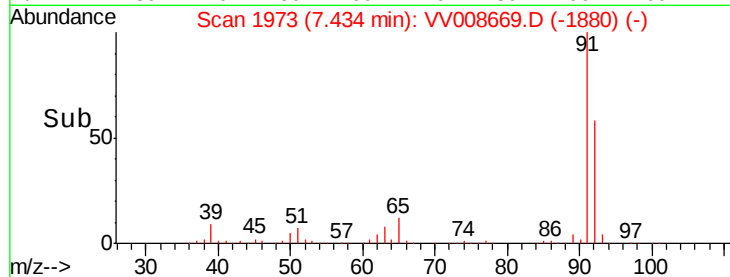
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 102.305 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008669.D

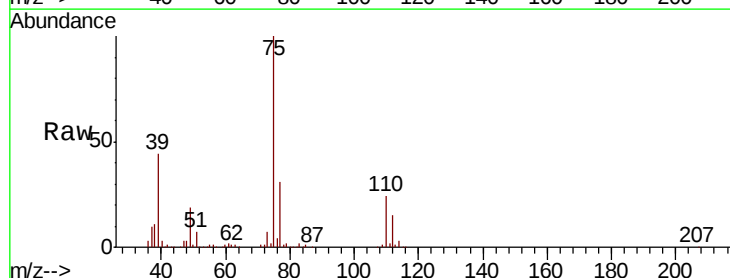
Acq: 20 Nov 2018 12:33

Tgt Ion: 75 Resp: 302050

Ion Ratio Lower Upper

75 100

77 30.7 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008669.D (-1961) (-)

7.69

200000

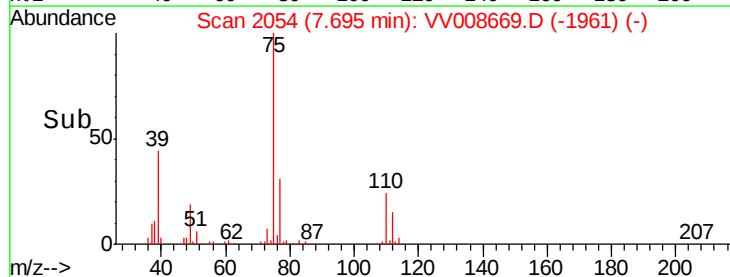
150000

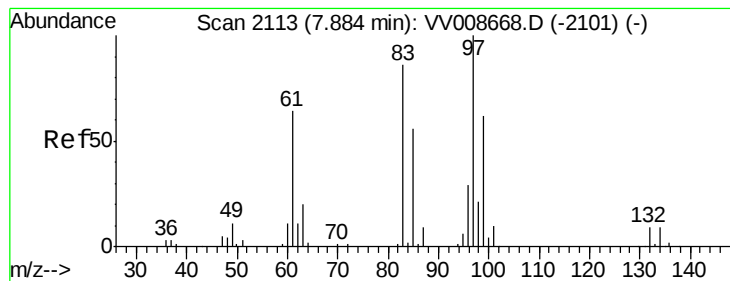
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 102.486 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

Tgt Ion: 97 Resp: 196788

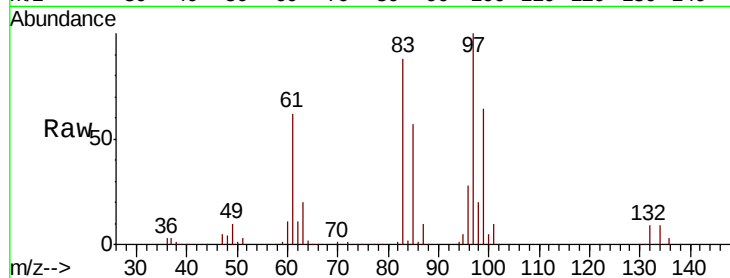
Ion Ratio Lower Upper

97 100

99 64.3 43.7 81.1

83 87.6 59.9 111.3

85 56.7 39.4 73.2

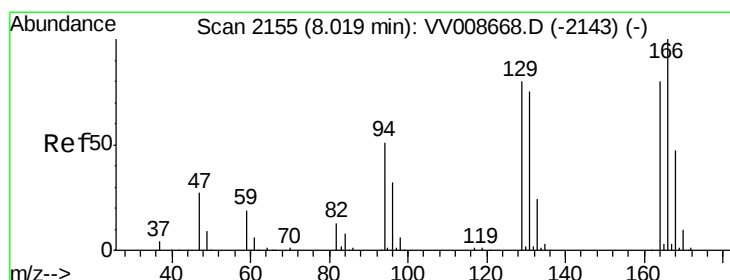
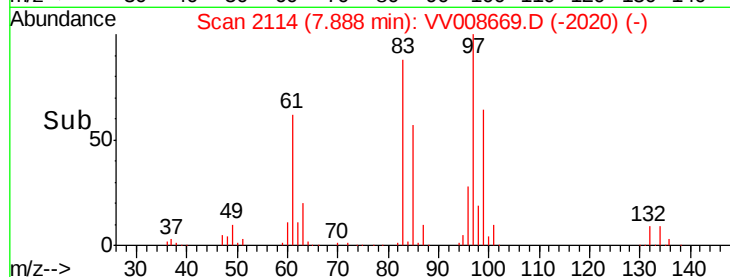
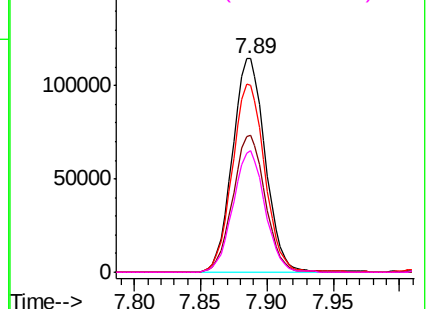


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 101.809 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Tgt Ion: 164 Resp: 151818

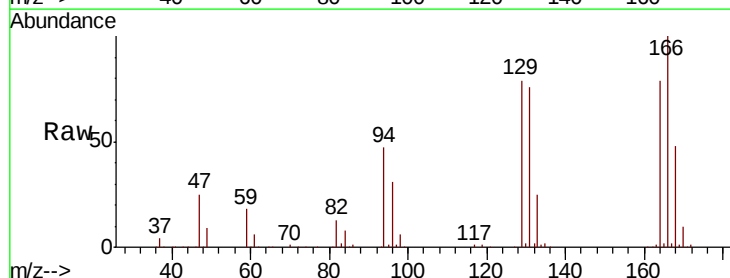
Ion Ratio Lower Upper

164 100

129 100.3 70.1 130.1

131 96.0 65.9 122.3

166 127.1 87.7 162.9

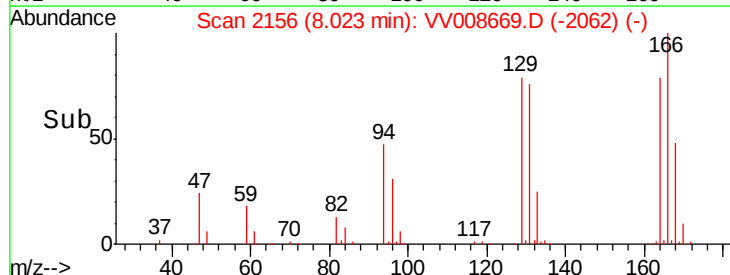
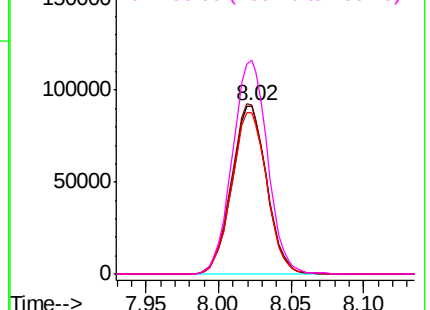


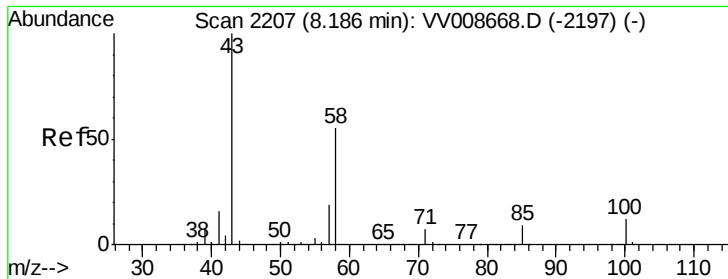
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

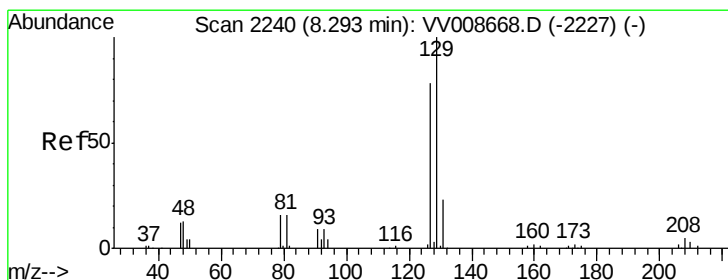
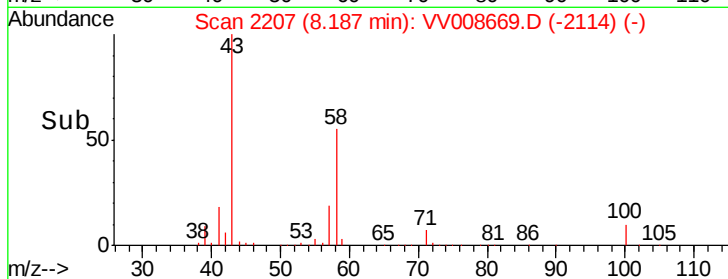
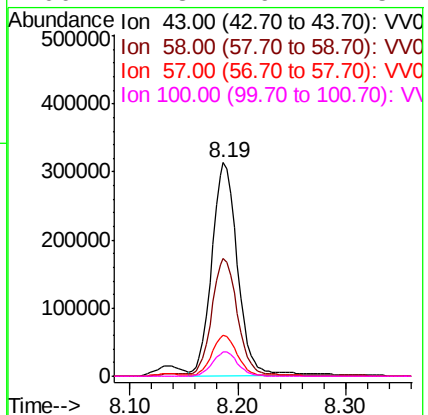
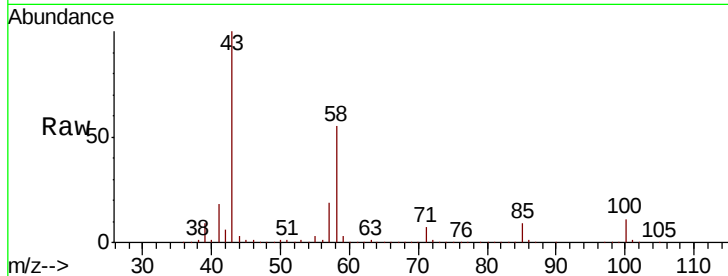




#48
2-Hexanone
Concen: 229.803 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

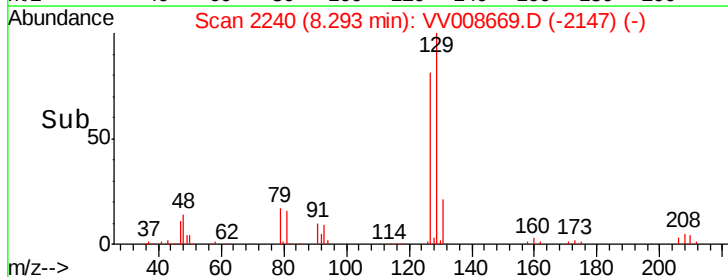
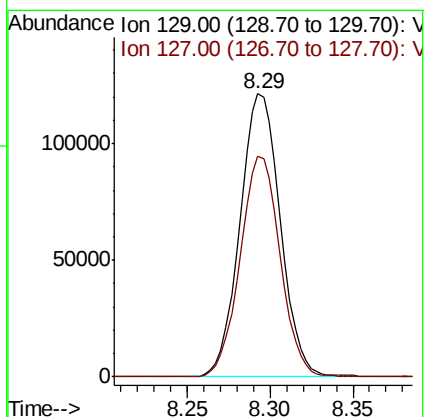
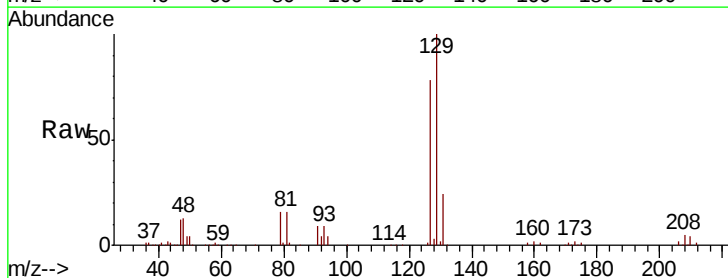
Instrument :
MSVOA_V
ClientSampleId :
VSTD10072

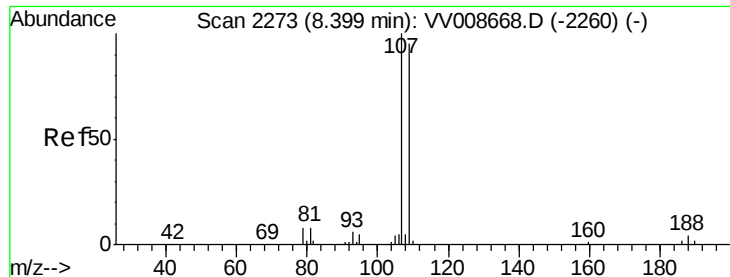
Tgt Ion: 43 Resp: 515849
Ion Ratio Lower Upper
43 100
58 54.1 43.3 64.9
57 18.3 15.0 22.4
100 11.3 9.1 13.7



#49
Dibromochloromethane
Concen: 102.096 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Tgt Ion: 129 Resp: 204992
Ion Ratio Lower Upper
129 100
127 78.1 54.9 102.1

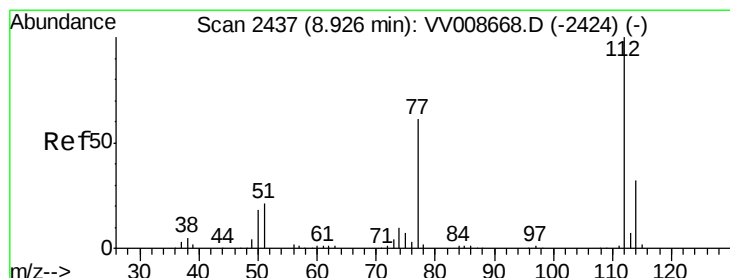
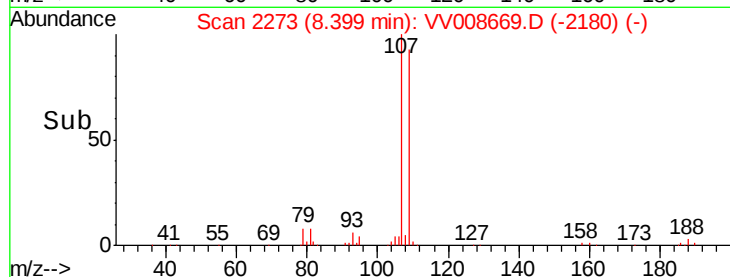
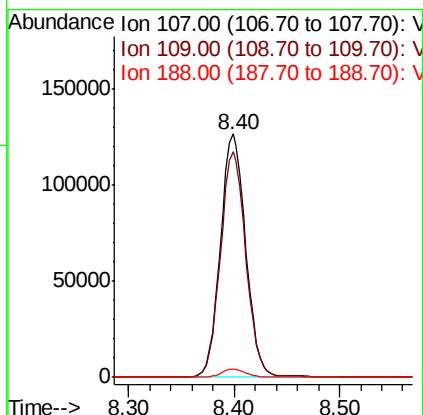
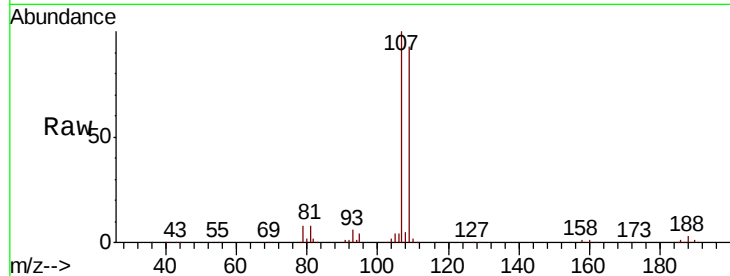




#50
1,2-Dibromoethane
Concen: 105.845 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

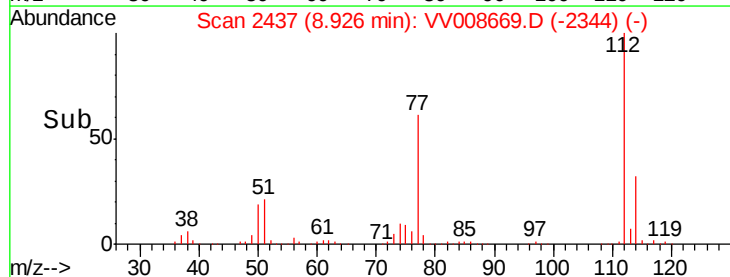
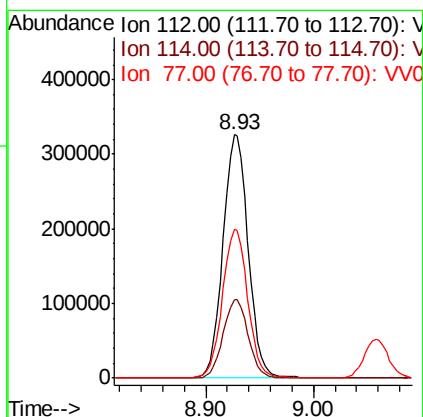
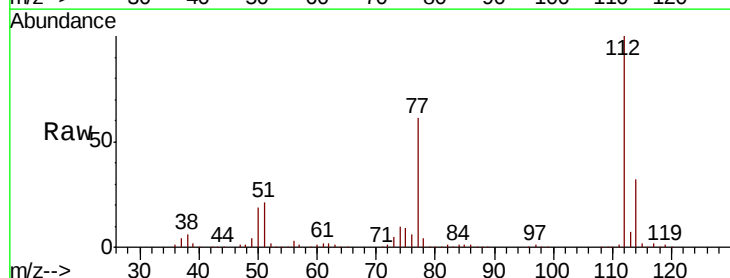
Instrument :
MSVOA_V
ClientSampleId :
VSTD10072

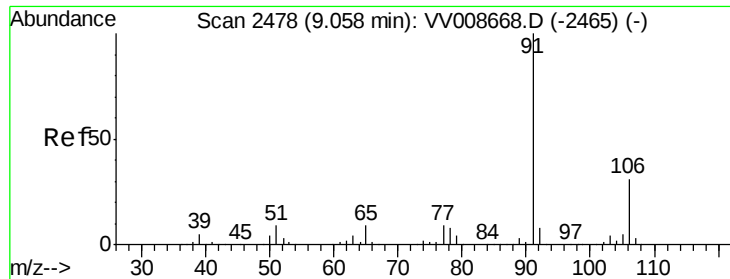
Tgt Ion:107 Resp: 211141
Ion Ratio Lower Upper
107 100
109 92.9 66.2 123.0
188 3.4 2.9 4.3



#51
Chlorobenzene
Concen: 102.869 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Tgt Ion:112 Resp: 531003
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.3
77 61.1 49.3 73.9





#52

Ethylbenzene

Concen: 102.831 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

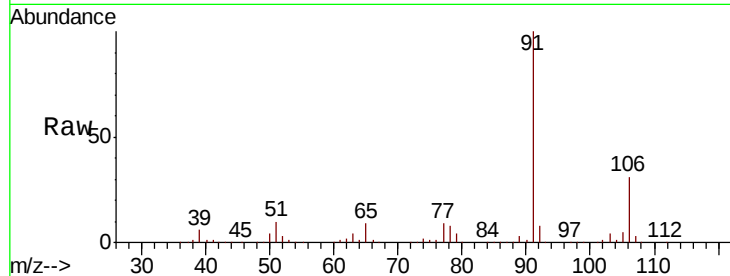
VSTD10072

Tgt Ion: 91 Resp: 931343

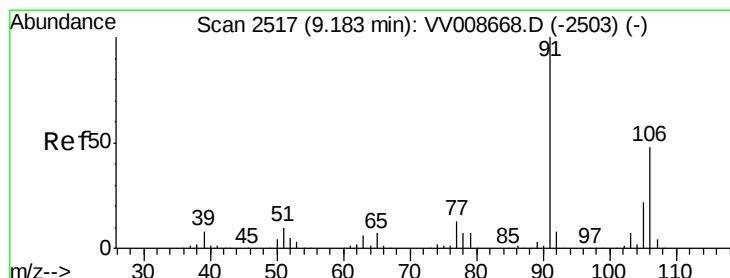
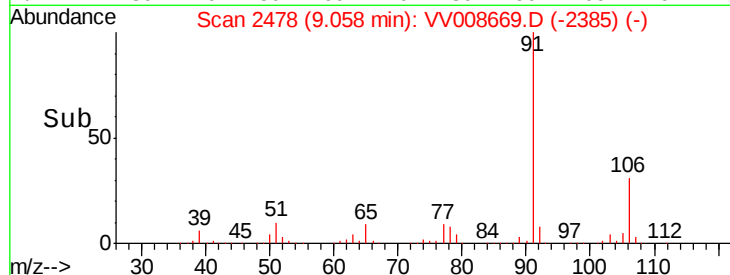
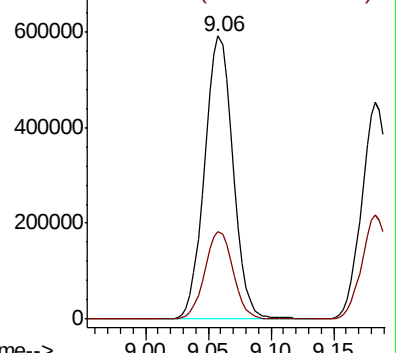
Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008669.D (-2385) (-)



#53

m,p-Xylene

Concen: 104.089 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008669.D

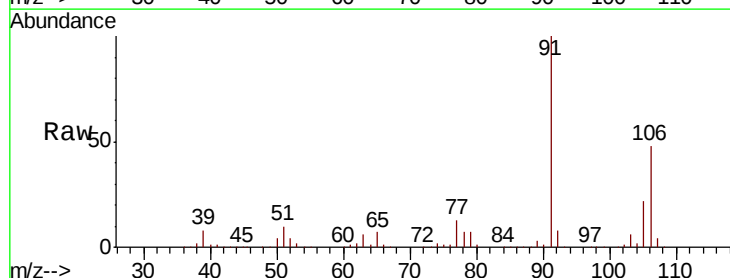
Acq: 20 Nov 2018 12:33

Tgt Ion: 106 Resp: 345504

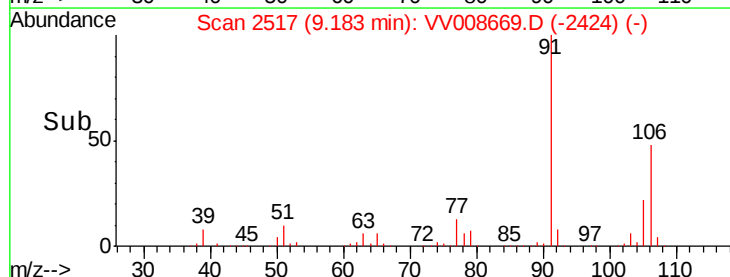
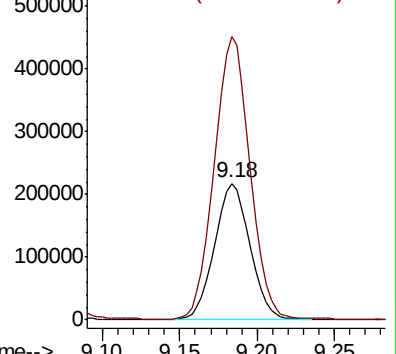
Ion Ratio Lower Upper

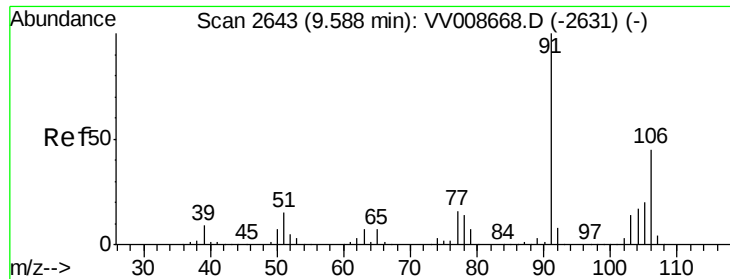
106 100

91 207.8 145.3 269.8



Abundance Ion 106.00 (105.70 to 106.70): VV008669.D (-2424) (-)

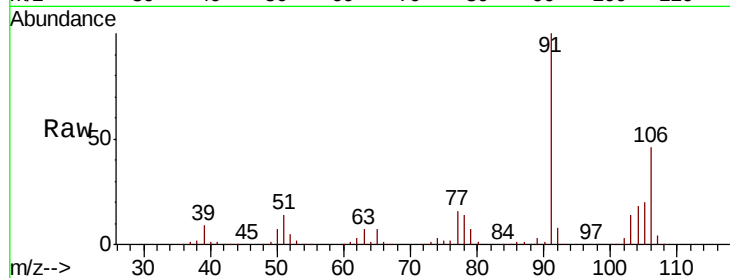




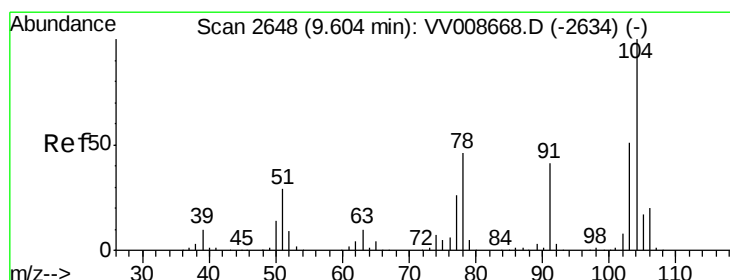
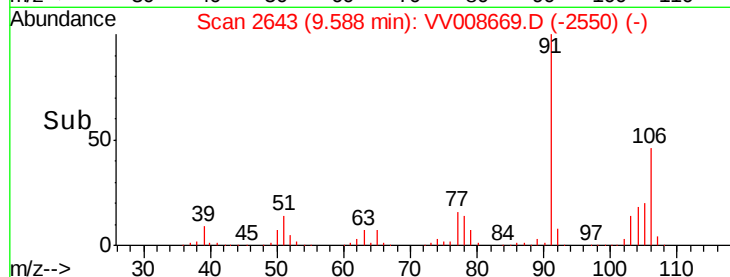
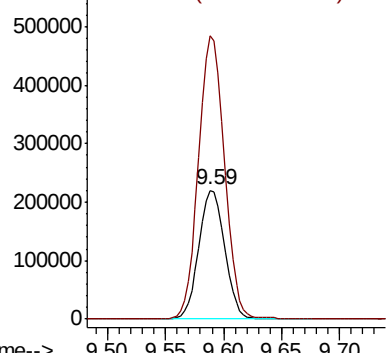
#54
o-xylene
Concen: 103.560 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD10072

Tgt Ion:106 Resp: 340778
Ion Ratio Lower Upper
106 100
91 219.4 157.2 292.0

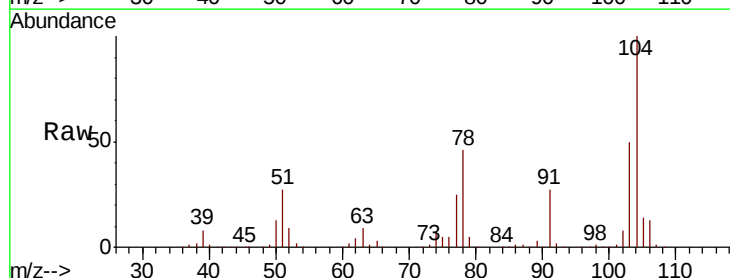


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

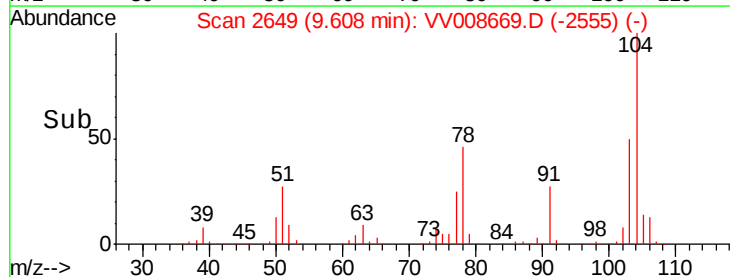
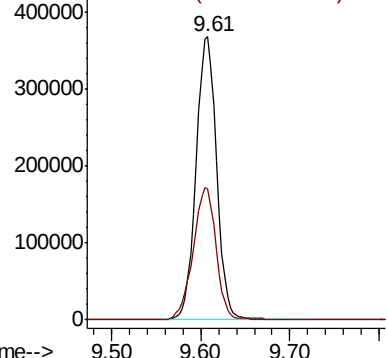


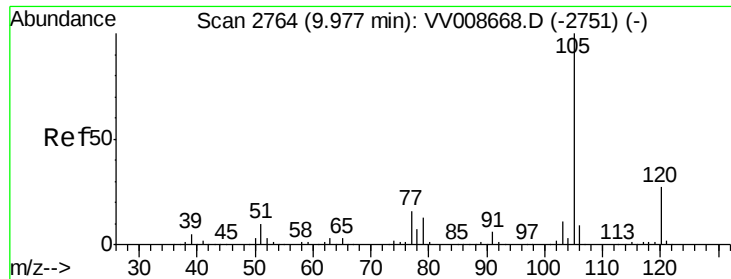
#55
Styrene
Concen: 108.559 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008669.D
Acq: 20 Nov 2018 12:33

Tgt Ion:104 Resp: 588300
Ion Ratio Lower Upper
104 100
78 46.3 32.6 60.6



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





#56

Isopropylbenzene

Concen: 104.152 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

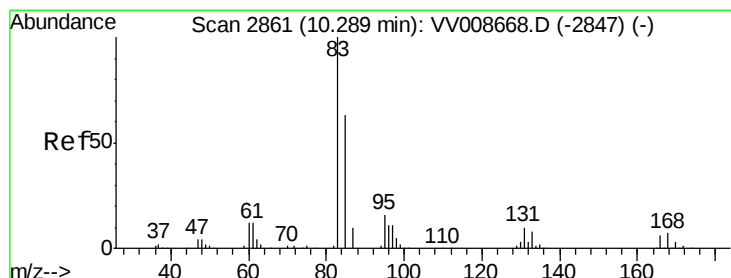
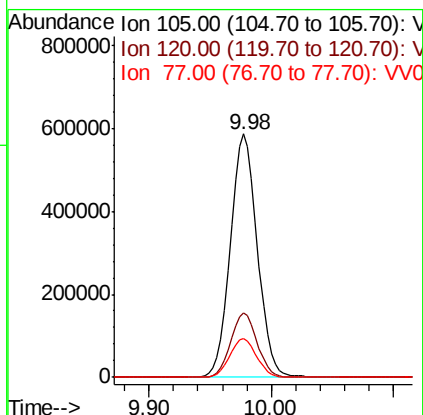
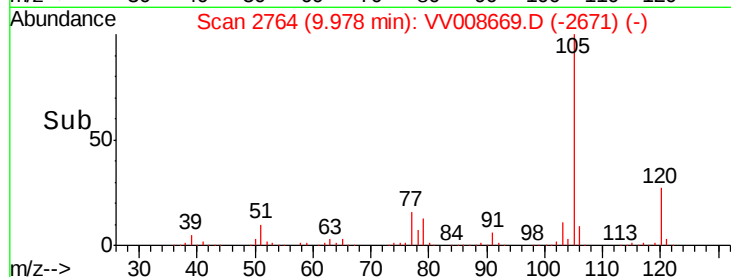
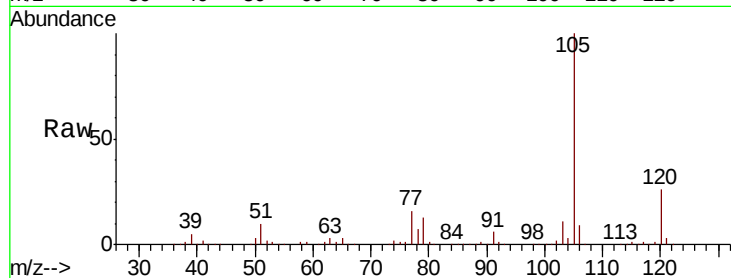
Tgt Ion: 105 Resp: 902183

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

77 16.0 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 108.662 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

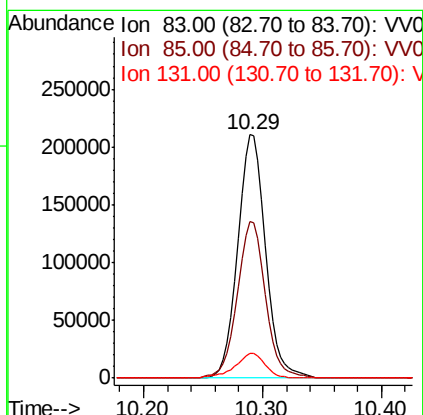
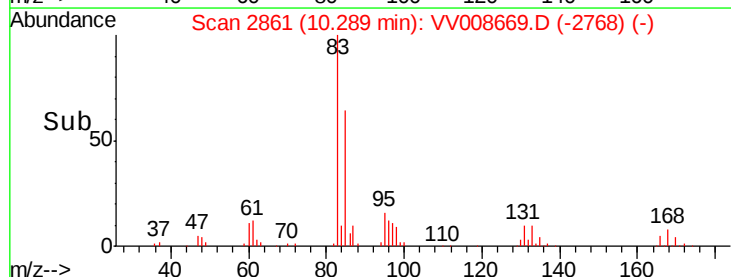
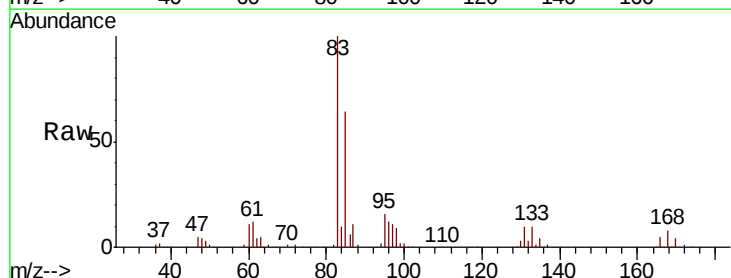
Tgt Ion: 83 Resp: 341194

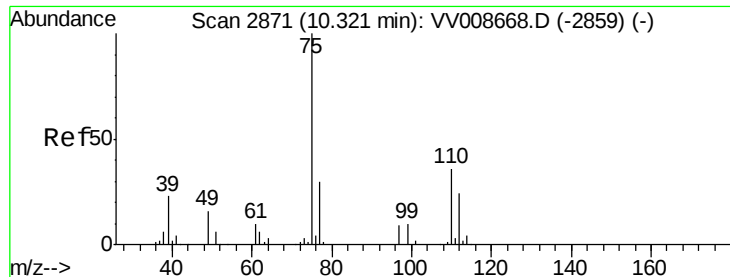
Ion Ratio Lower Upper

83 100

85 64.2 44.3 82.3

131 10.0 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 107.050 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

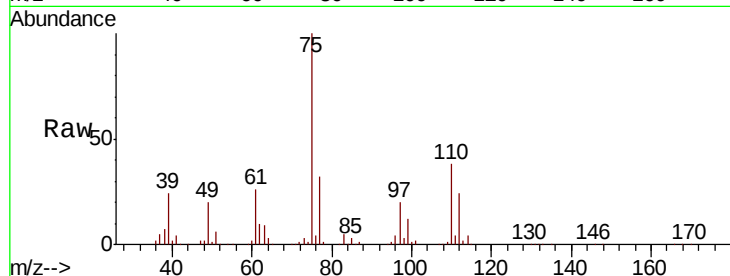
VSTD10072

Tgt Ion: 75 Resp: 277093

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2859) (-)

10.32

200000

150000

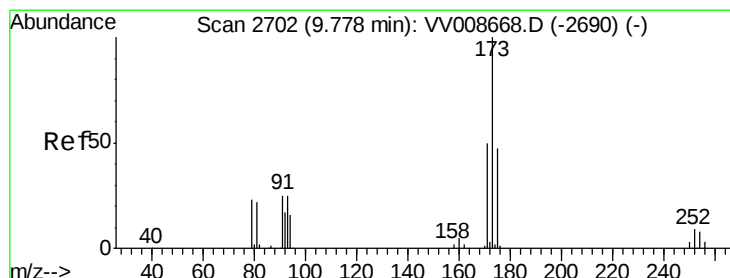
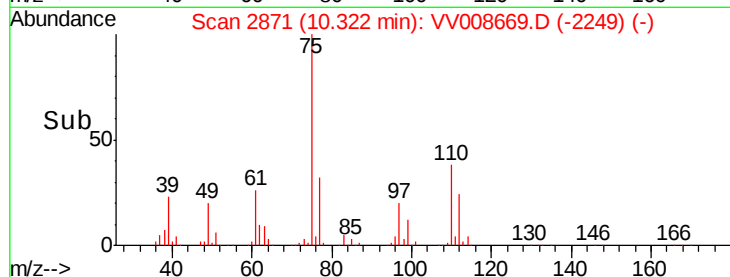
100000

50000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 94.546 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

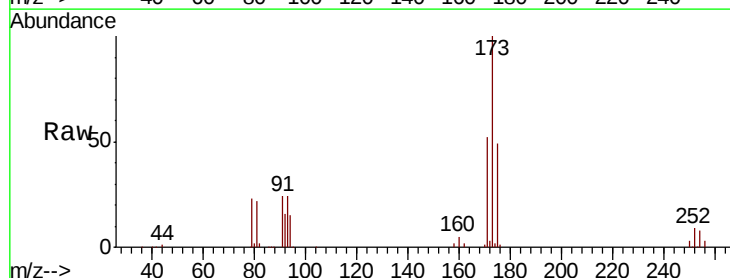
Tgt Ion: 173 Resp: 140557

Ion Ratio Lower Upper

173 100

175 48.0 37.5 56.3

254 8.4 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VV008668.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008668.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008668.D (-2690) (-)

9.78

120000

100000

80000

60000

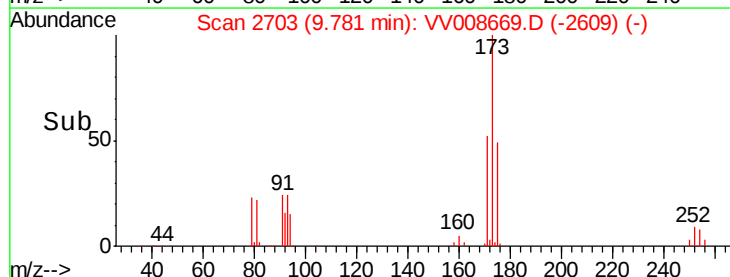
40000

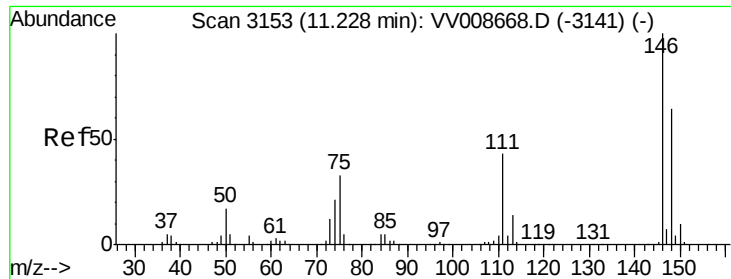
20000

0

Time-->

9.70 9.75 9.80 9.85

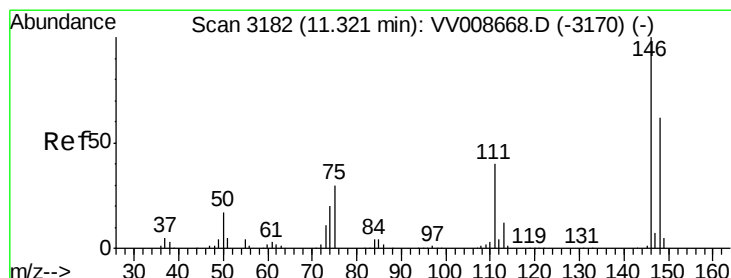
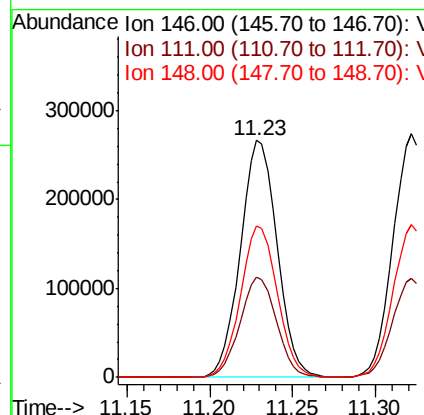
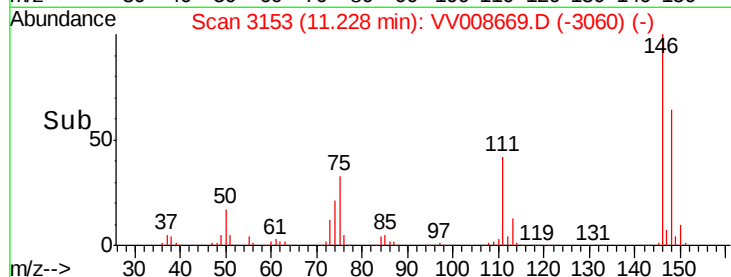
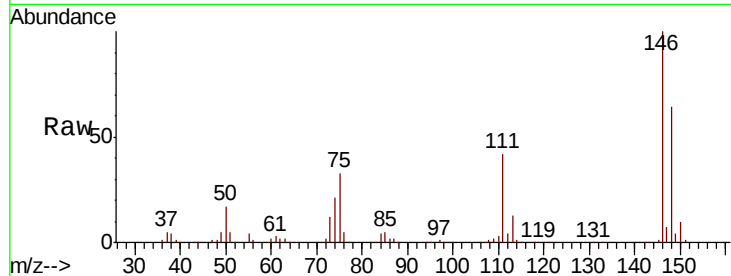




#62
 1,3-Dichlorobenzene
 Concen: 98.896 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008669.D
 Acq: 20 Nov 2018 12:33

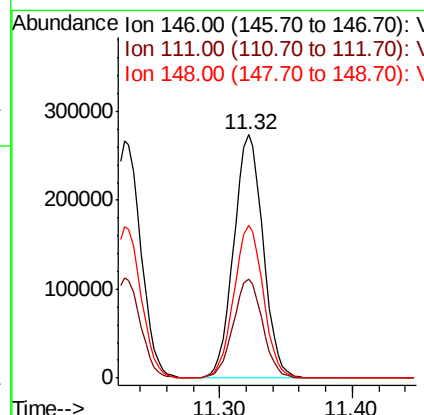
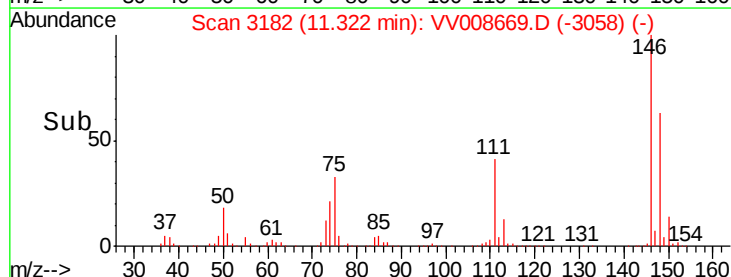
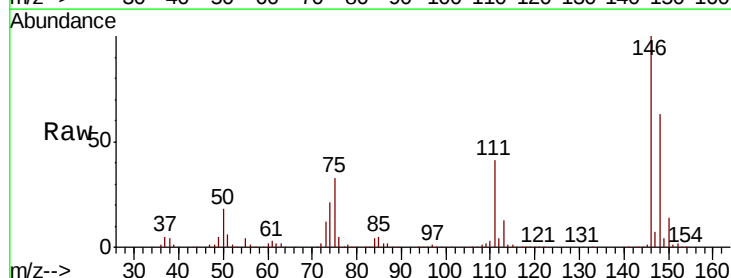
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10072

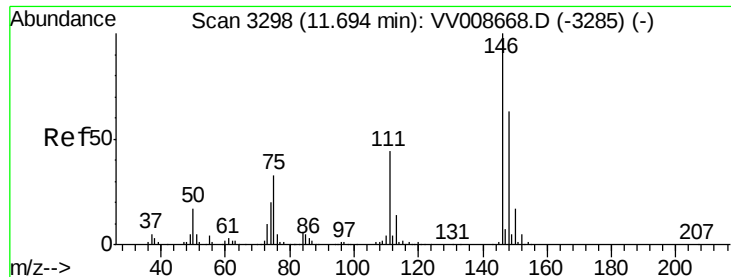
Tgt Ion:146 Resp: 412289
 Ion Ratio Lower Upper
 146 100
 111 42.2 30.0 55.8
 148 64.0 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 100.288 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008669.D
 Acq: 20 Nov 2018 12:33

Tgt Ion:146 Resp: 419705
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.1 52.3
 148 62.6 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 100.273 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

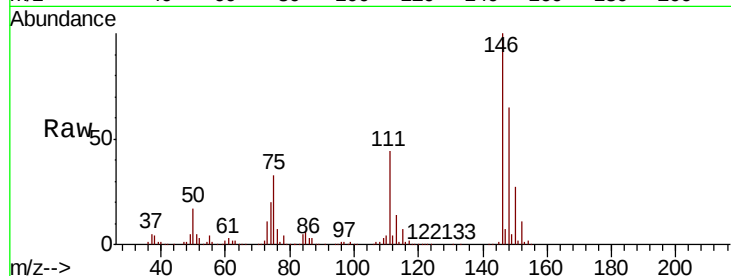
Tgt Ion:146 Resp: 427431

Ion Ratio Lower Upper

146 100

111 43.7 35.3 52.9

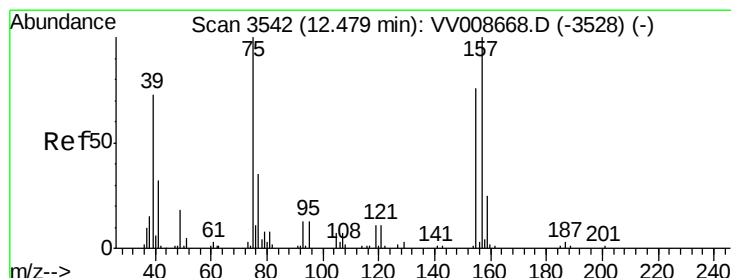
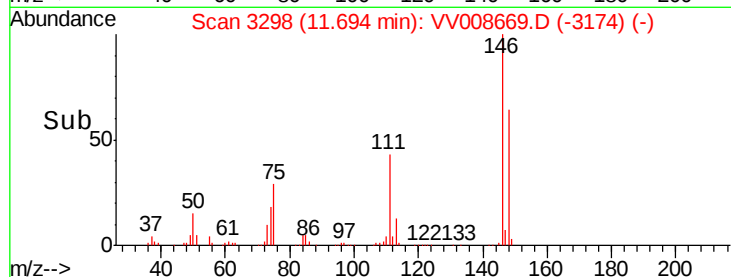
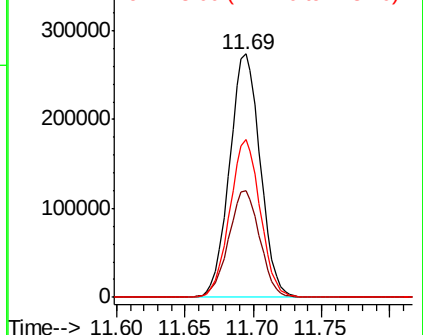
148 64.6 50.8 76.2



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: 98.059 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

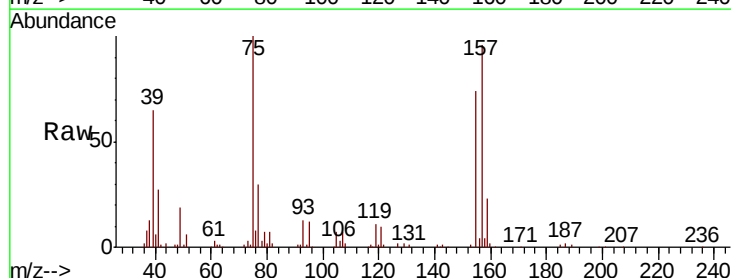
Tgt Ion: 75 Resp: 72818

Ion Ratio Lower Upper

75 100

155 74.1 61.0 91.6

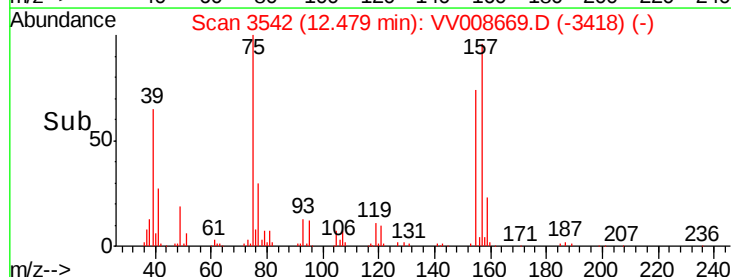
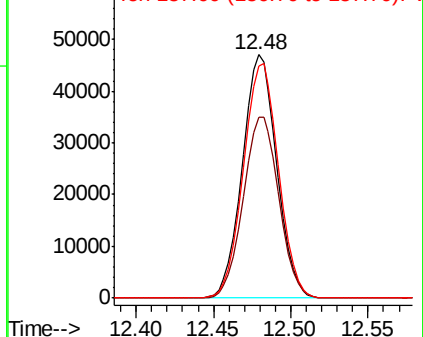
157 95.5 79.9 119.9

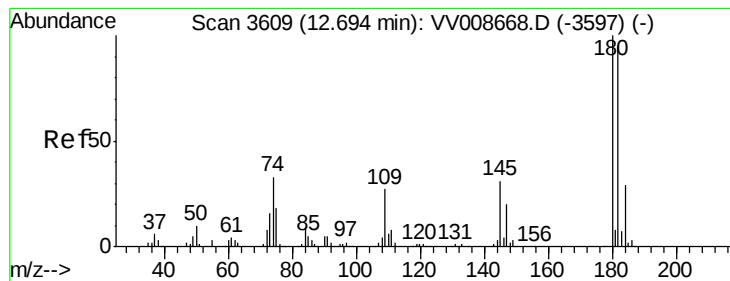


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 104.531 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

Tgt Ion:180 Resp: 299544

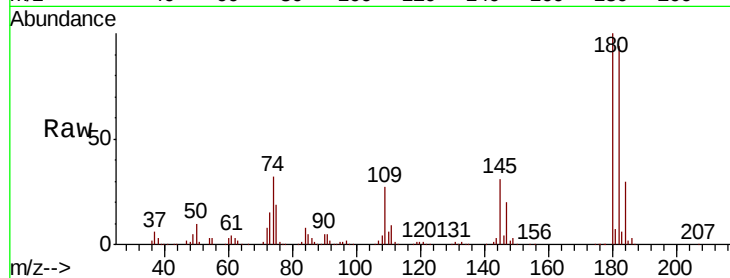
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.4

184 30.4 23.8 35.8

145 31.6 25.5 38.3

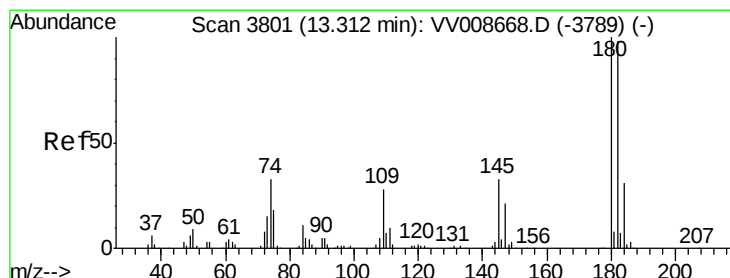
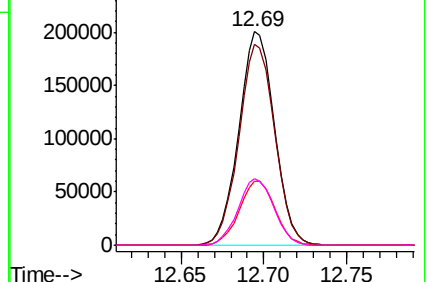
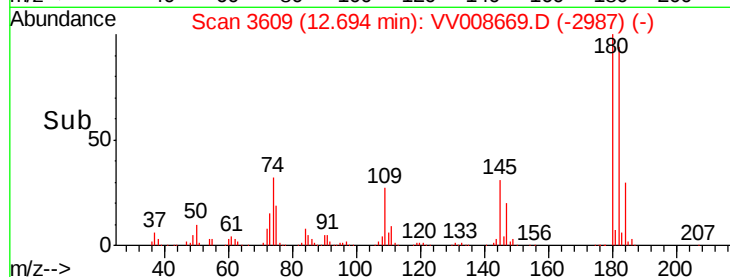


Abundance Ion 180.00 (179.70 to 180.70): V

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: 111.847 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

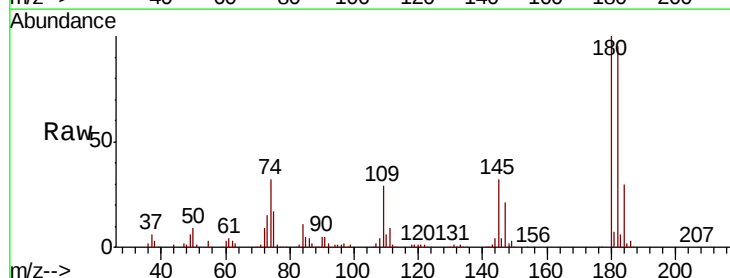
Tgt Ion:180 Resp: 250946

Ion Ratio Lower Upper

180 100

182 95.5 77.4 116.2

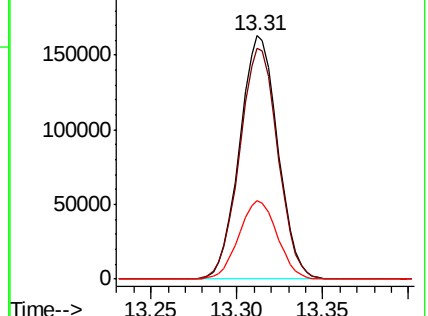
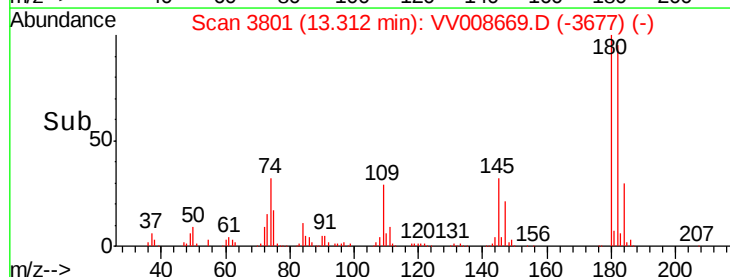
145 32.5 26.1 39.1

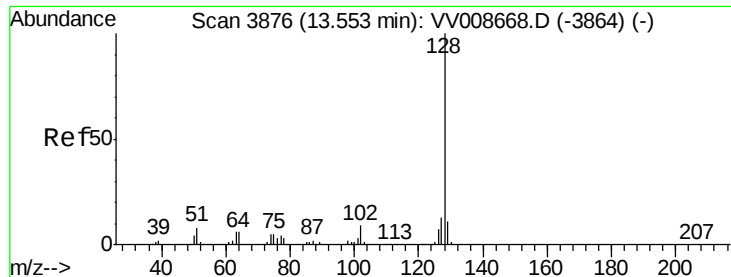


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 119.902 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD10072

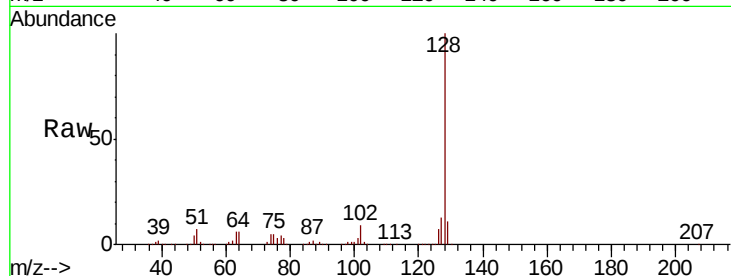
Tgt Ion:128 Resp: 778898

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

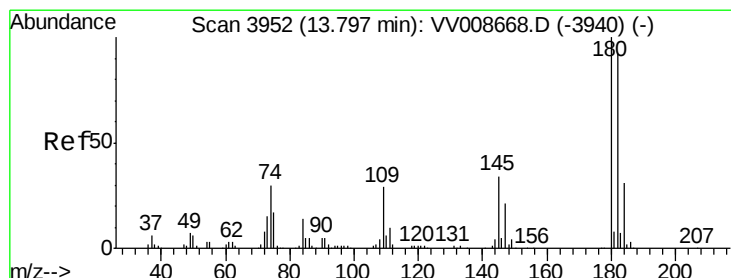
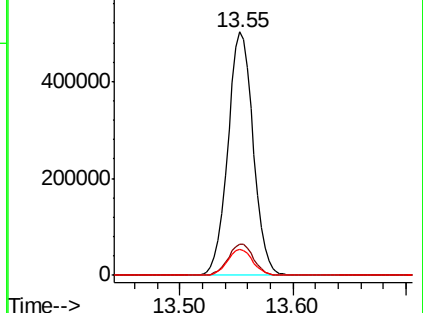
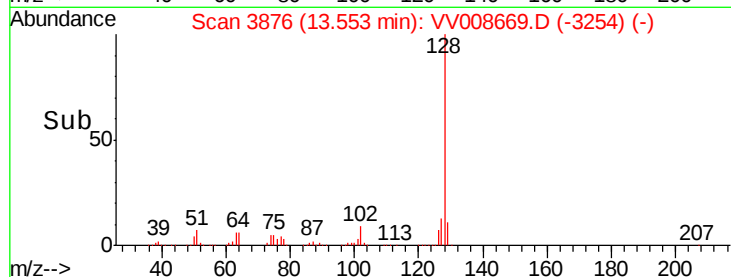
129 10.8 8.8 13.2



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: 113.100 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008669.D

Acq: 20 Nov 2018 12:33

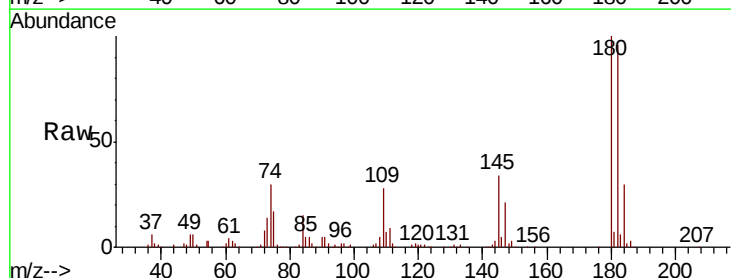
Tgt Ion:180 Resp: 256078

Ion Ratio Lower Upper

180 100

182 94.9 75.6 113.4

145 33.9 27.3 40.9



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

