

Data File : VV008582.D
Acq On : 16 Nov 2018 15:41
Operator : SY/MD
Sample : VSTD00563
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Nov 17 04:20:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	159717	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145370	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65617	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33541	4.11	ug/L	0.00
7) Chloroethane-d5	1.58	69	27946	4.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	67534	4.35	ug/L	0.00
20) 2-Butanone-d5	3.97	46	121257	45.38	ug/L	0.00
24) Chloroform-d	4.41	84	92145	4.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	48654	4.66	ug/L	0.00
32) Benzene-d6	5.10	84	183212	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	59270	4.86	ug/L	0.00
41) Toluene-d8	7.36	98	169170	4.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	22644	4.61	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	100614	46.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40833	4.64	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	56478	4.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65430	4.693 ug/L	100
3) Chloromethane	1.25	50	52973	4.641 ug/L	100
5) Vinyl chloride	1.32	62	49682	4.592 ug/L	100
6) Bromomethane	1.54	94	29953	4.546 ug/L	100
8) Chloroethane	1.60	64	28523	4.919 ug/L	100
9) Trichlorofluoromethane	1.77	101	68553	5.015 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	40306	4.883 ug/L	100
12) 1,1-Dichloroethene	2.14	96	35954	4.918 ug/L	100
13) Acetone	2.23	43	64765	46.352 ug/L	100
14) Carbon disulfide	2.32	76	110249	4.573 ug/L	100
15) Methyl Acetate	2.48	43	15705	4.513 ug/L	100
16) Methylene chloride	2.54	84	39788	4.843 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	97207	5.001 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	39025	4.710 ug/L	100
19) 1,1-Dichloroethane	3.23	63	102366	5.837 ug/L	100
21) 2-Butanone	4.06	43	142344	48.031 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	60132	4.812 ug/L	100
23) Bromochloromethane	4.30	128	24150	4.979 ug/L	100
25) Chloroform	4.43	83	108988	5.075 ug/L	100
27) 1,2-Dichloroethane	5.19	62	63424	4.680 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	90830	5.010 ug/L	100
30) Cyclohexane	4.72	56	99921	4.950 ug/L	100
31) Carbon tetrachloride	4.87	117	76988	4.893 ug/L	100
33) Benzene	5.15	78	226396	5.030 ug/L	100
34) Trichloroethene	5.96	95	59049	4.908 ug/L	100
35) Methylcyclohexane	6.18	83	101518	5.112 ug/L	100
37) 1,2-Dichloropropane	6.23	63	60488	5.000 ug/L	100
38) Bromodichloromethane	6.56	83	69282	4.891 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	78041	4.779 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	343472	47.916 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	237469	5.071	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	66820	5.093	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	38249	5.048	ug/L	100
47) Tetrachloroethene	8.02	164	43329	4.973	ug/L	100
48) 2-Hexanone	8.19	43	240221	49.104	ug/L	100
49) Dibromochloromethane	8.29	129	43302	4.953	ug/L	100
50) 1,2-Dibromoethane	8.40	107	35802	5.051	ug/L	100
51) Chlorobenzene	8.93	112	145269	5.060	ug/L	100
52) Ethylbenzene	9.06	91	260616	5.025	ug/L	100
53) m,p-xylene	9.18	106	96988	5.118	ug/L	100
54) o-xylene	9.59	106	94186	5.171	ug/L	100
55) Styrene	9.60	104	154198	5.080	ug/L	100
56) Isopropylbenzene	9.98	105	251694	5.093	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	45497	5.044	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	33605	4.895	ug/L	100
61) Bromoform	9.78	173	20646	4.819	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	107323	4.963	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	105166	4.977	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	101096	4.993	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	6584	4.391	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	75375	5.023	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	60419	5.156	ug/L	100
69) Naphthalene	13.56	128	102328	4.880	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	56197	4.973	ug/L	100

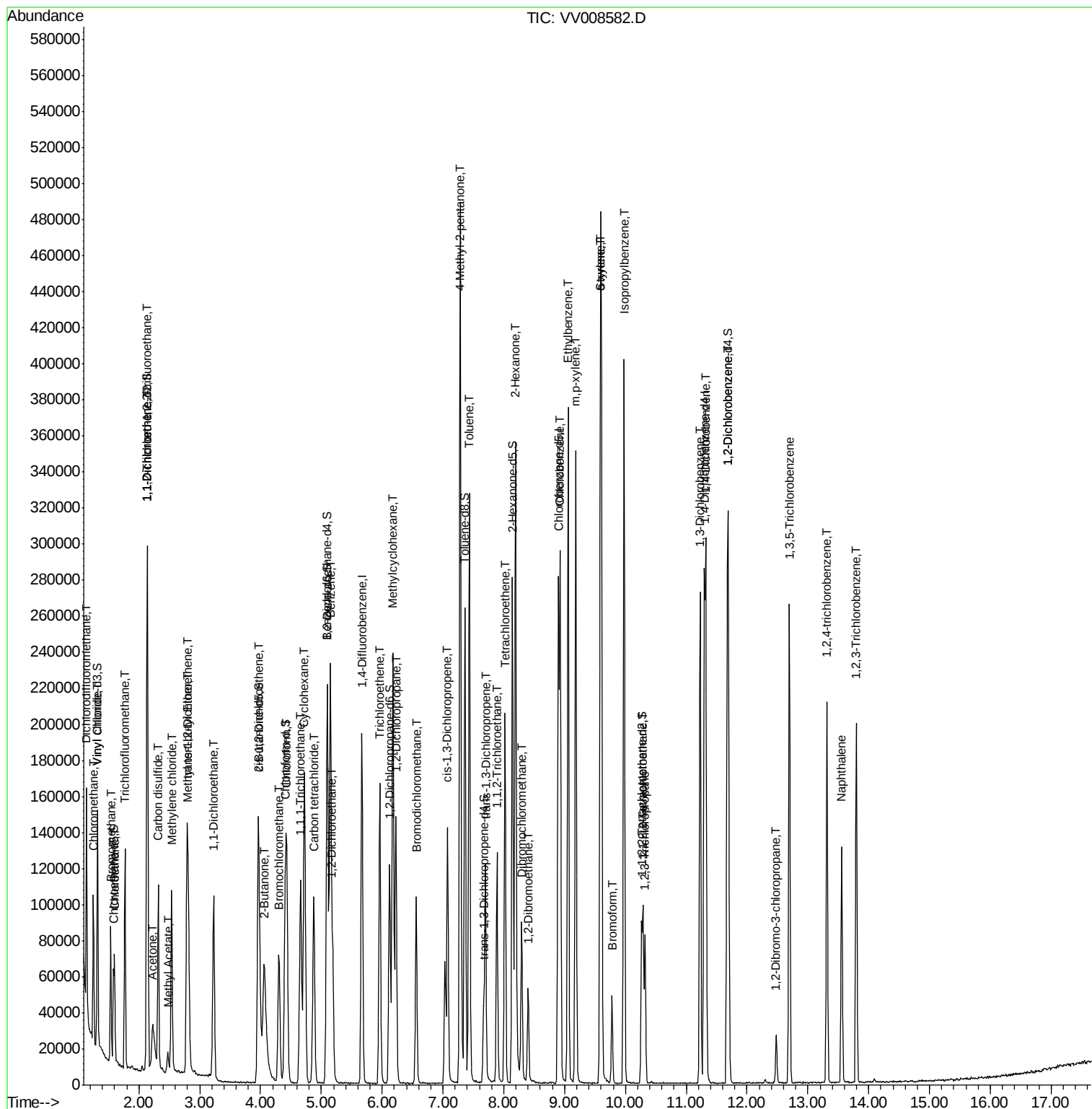
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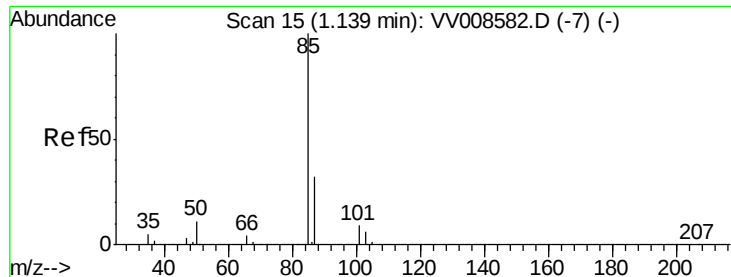
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#2

Dichlorodifluoromethane

Concen: 4.693 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

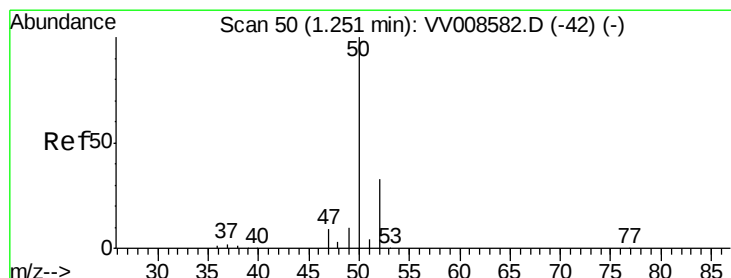
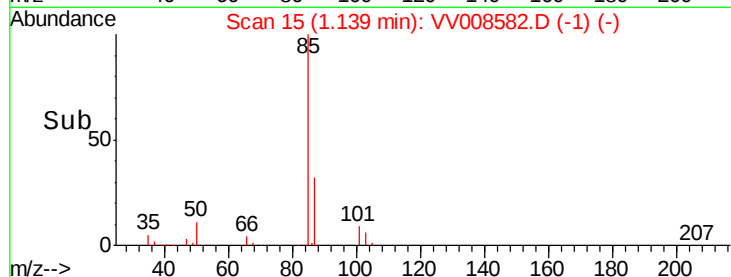
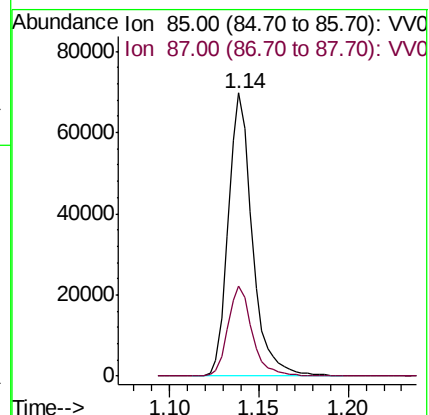
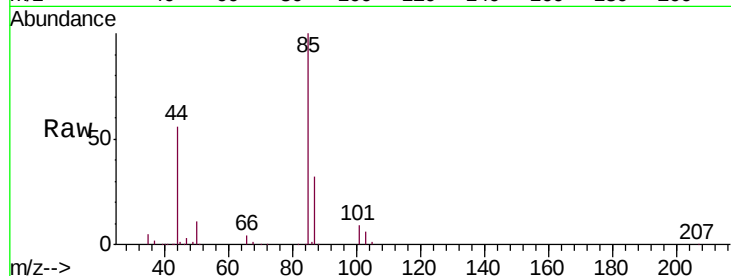
VSTD00563

Tgt Ion: 85 Resp: 65430

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#3

Chloromethane

Concen: 4.641 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008582.D

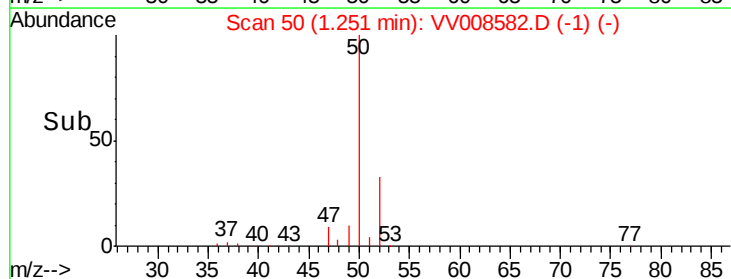
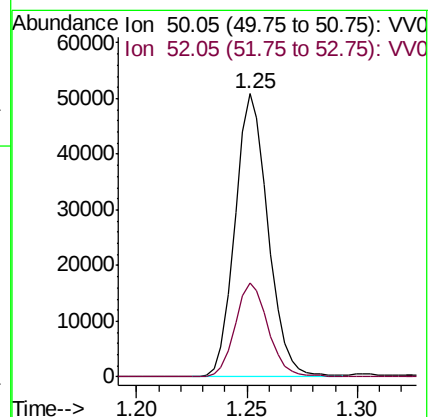
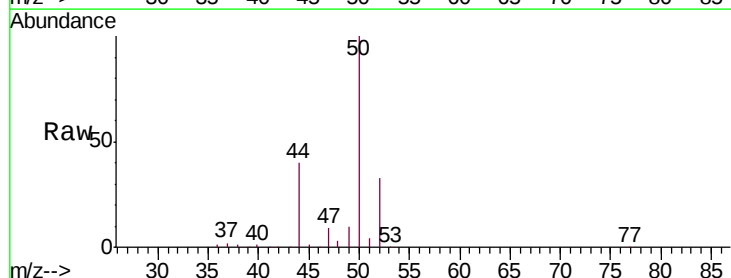
Acq: 16 Nov 2018 15:41

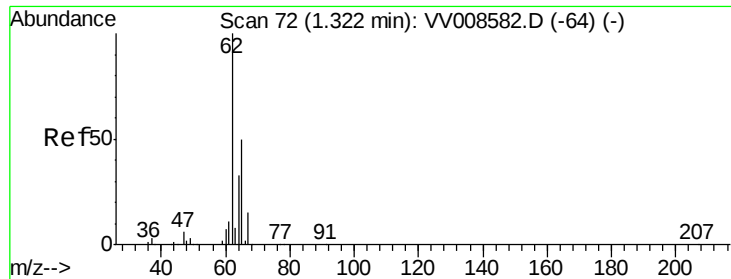
Tgt Ion: 50 Resp: 52973

Ion Ratio Lower Upper

50 100

52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 4.592 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

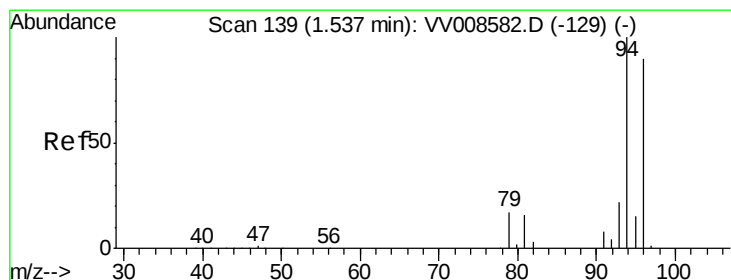
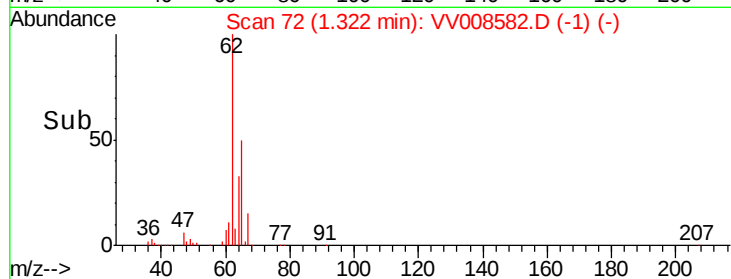
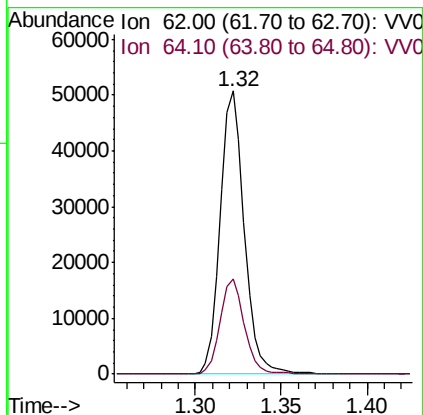
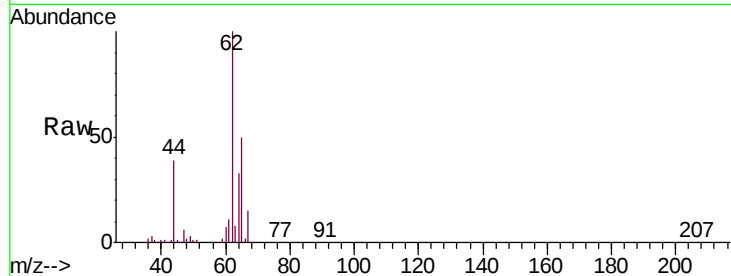
VSTD00563

Tgt Ion: 62 Resp: 49682

Ion Ratio Lower Upper

62 100

64 33.4 23.4 43.4



#6

Bromomethane

Concen: 4.546 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008582.D

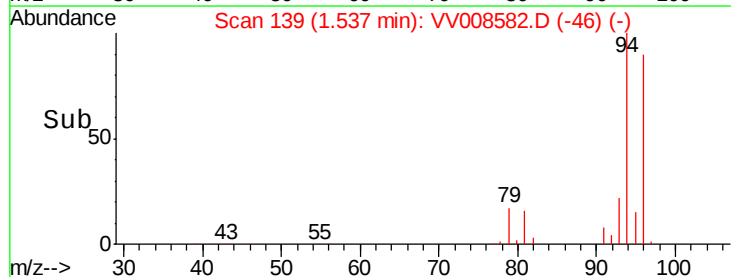
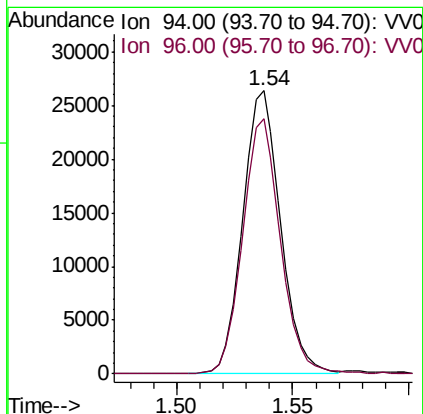
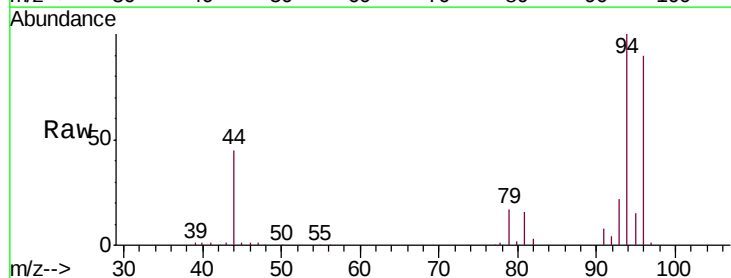
Acq: 16 Nov 2018 15:41

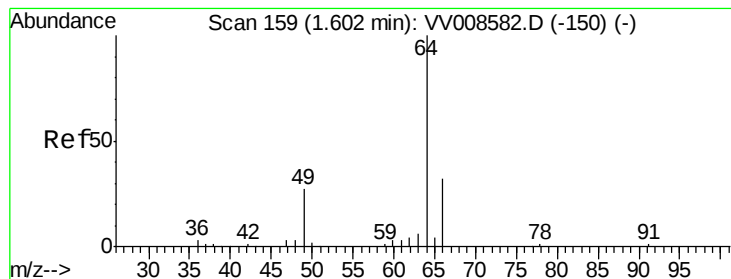
Tgt Ion: 94 Resp: 29953

Ion Ratio Lower Upper

94 100

96 90.3 63.2 117.4





#8

Chloroethane

Concen: 4.919 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

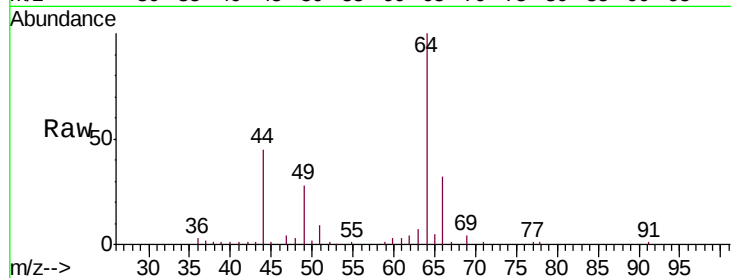
VSTD00563

Tgt Ion: 64 Resp: 28523

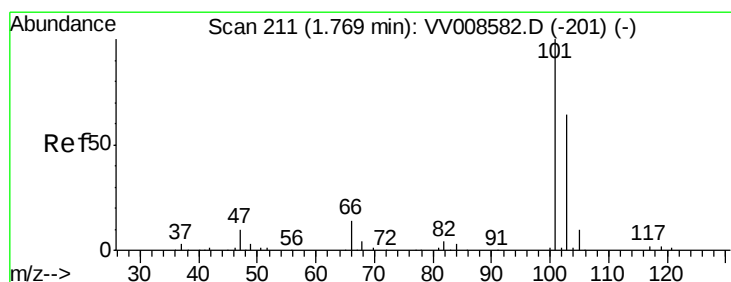
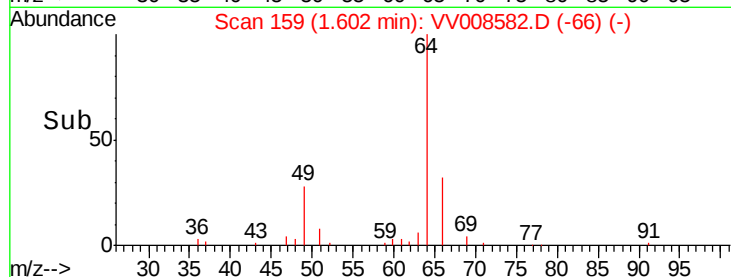
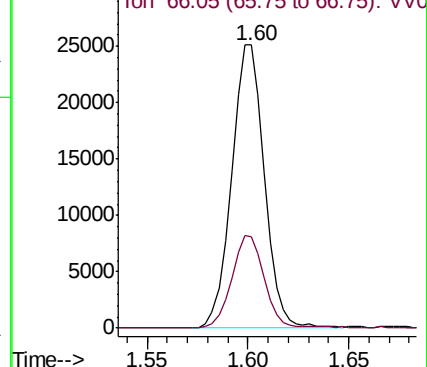
Ion Ratio Lower Upper

64 100

66 32.5 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV008582.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 5.015 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV008582.D

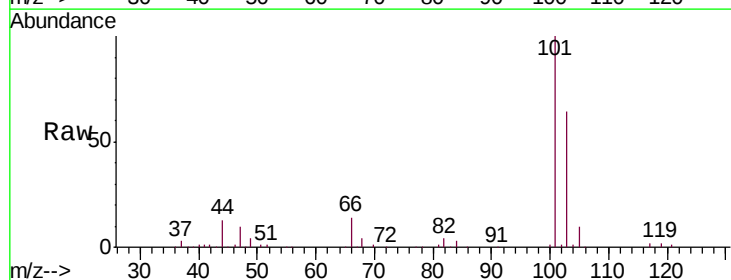
Acq: 16 Nov 2018 15:41

Tgt Ion: 101 Resp: 68553

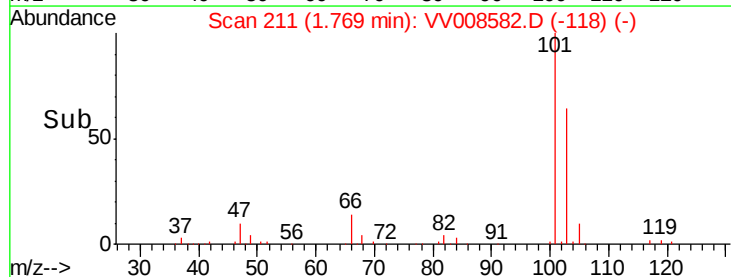
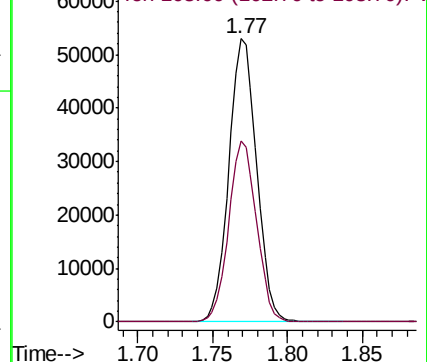
Ion Ratio Lower Upper

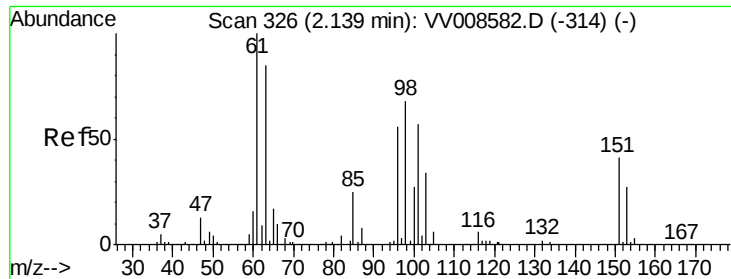
101 100

103 63.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV008582.D (-201) (-)





#10

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

Concen: 4.883 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

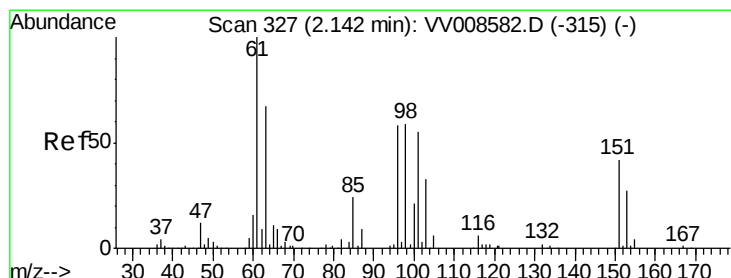
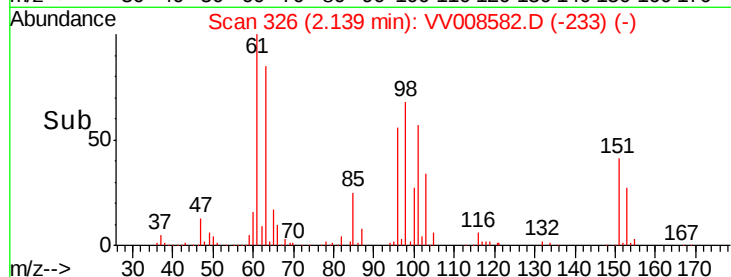
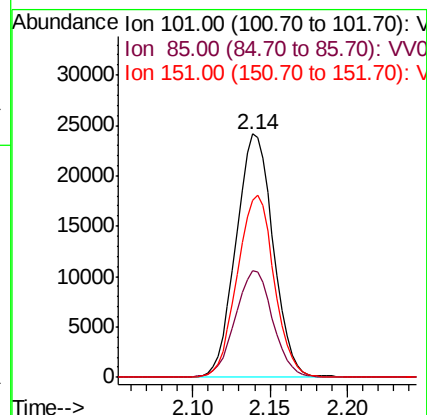
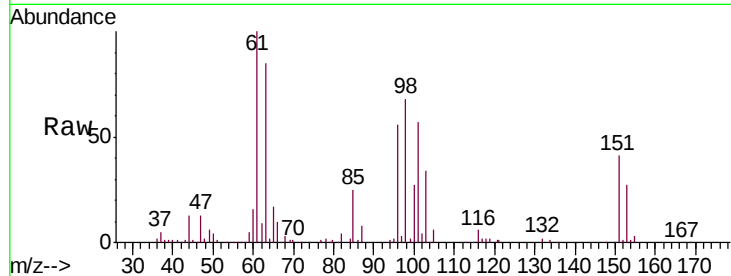
Tgt Ion: 101 Resp: 40306

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

151 74.3 59.4 89.2



#12

1,1-Dichloroethene

Concen: 4.918 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

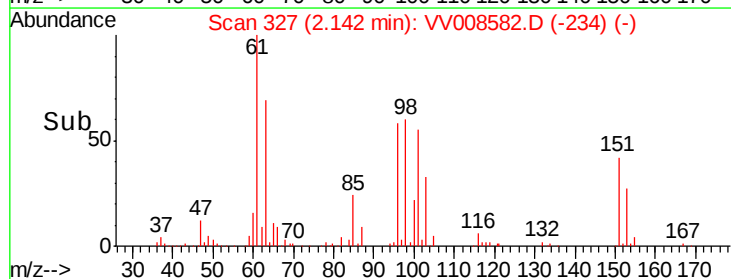
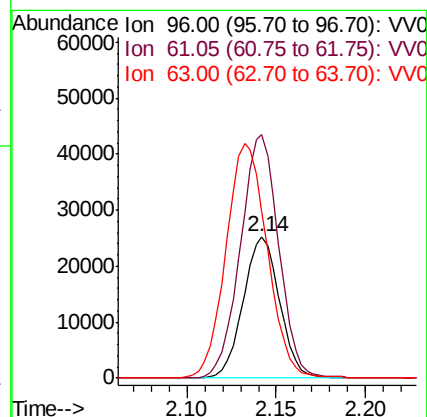
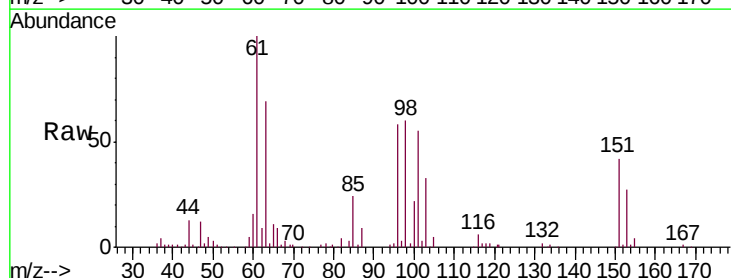
Tgt Ion: 96 Resp: 35954

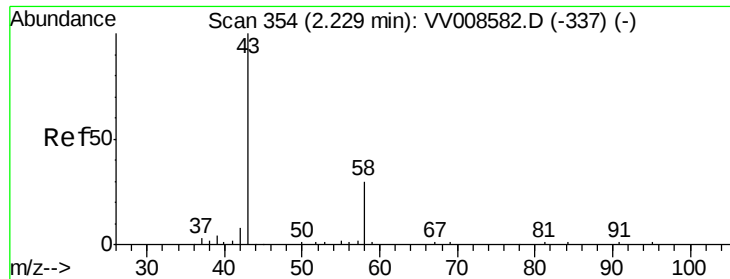
Ion Ratio Lower Upper

96 100

61 171.9 120.3 223.5

63 117.9 82.5 153.3





#13

Acetone

Concen: 46.352 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

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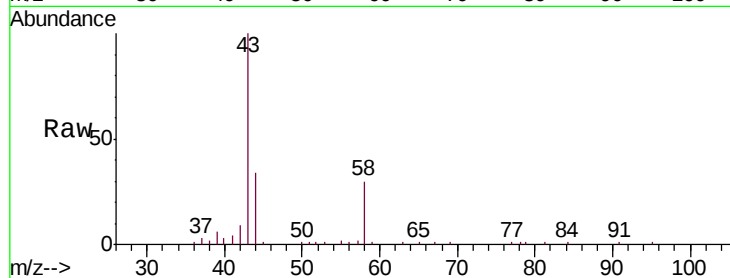
VSTD00563

Tgt Ion: 43 Resp: 64765

Ion Ratio Lower Upper

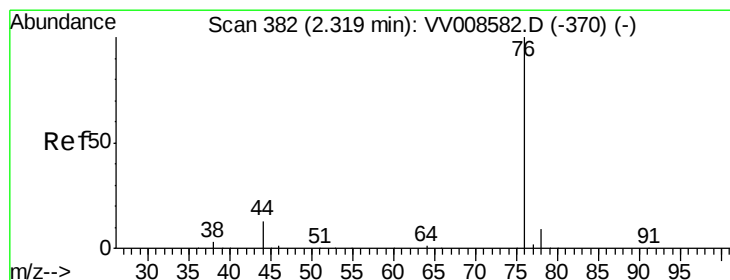
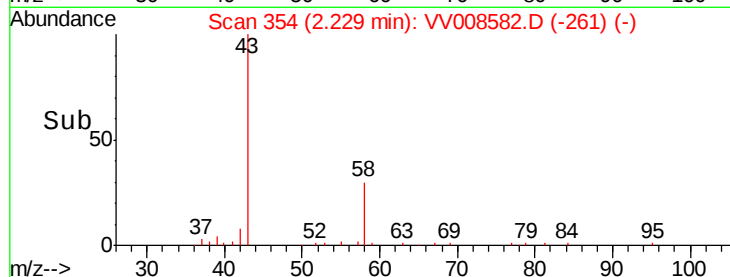
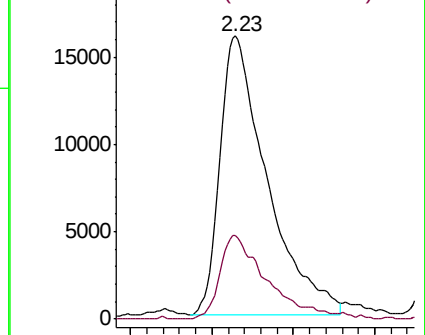
43 100

58 28.2 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008582.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV008582.D (-337) (-)



#14

Carbon disulfide

Concen: 4.573 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008582.D

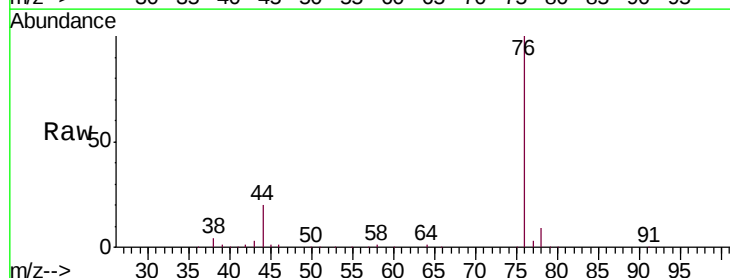
Acq: 16 Nov 2018 15:41

Tgt Ion: 76 Resp: 110249

Ion Ratio Lower Upper

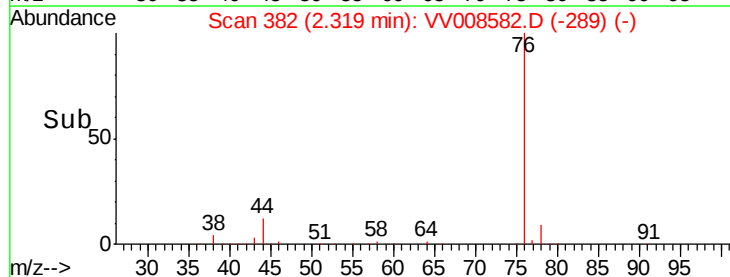
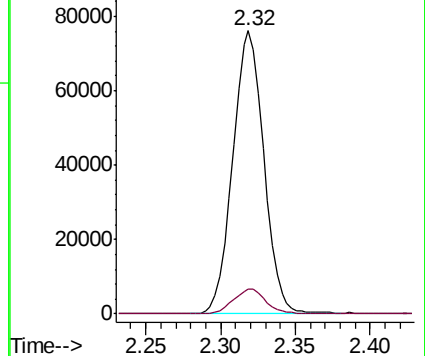
76 100

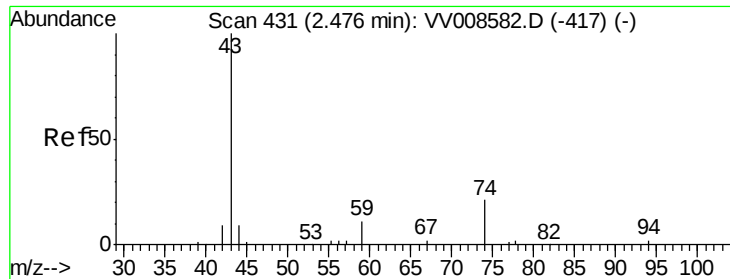
78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV008582.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008582.D (-370) (-)

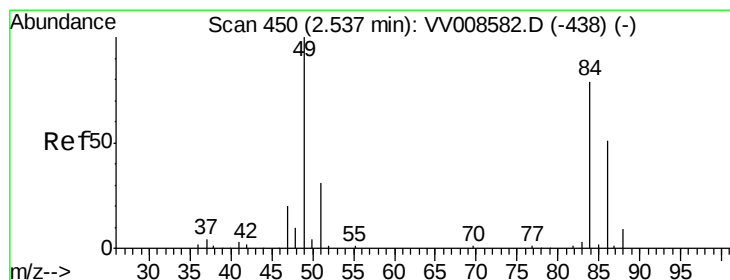
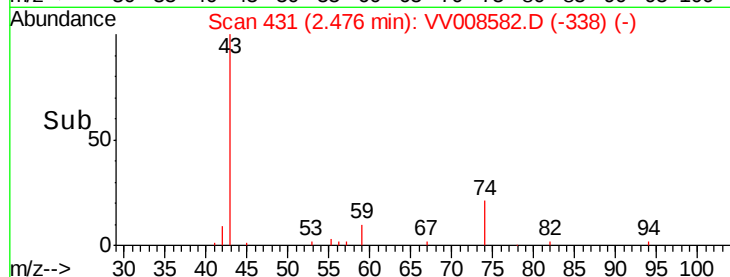
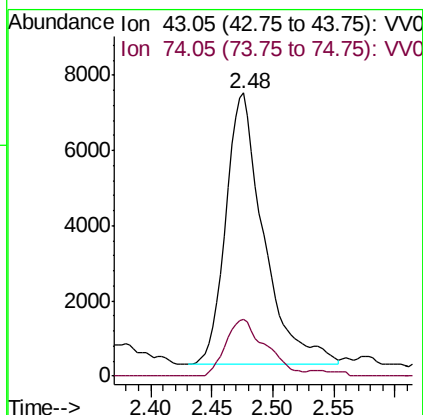
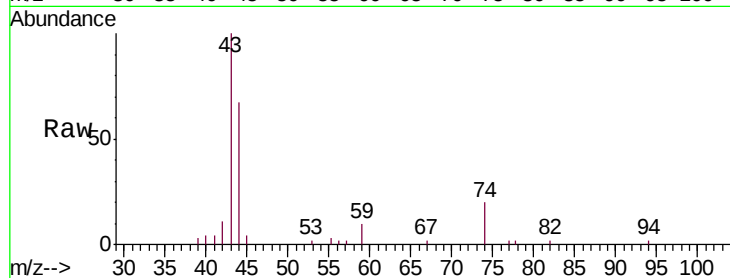




#15
Methyl Acetate
Concen: 4.513 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

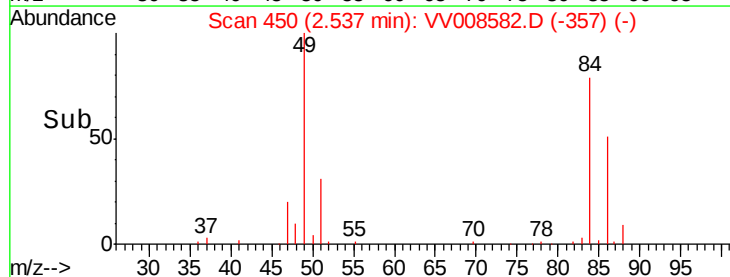
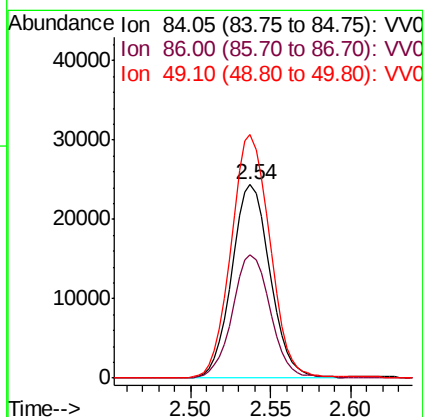
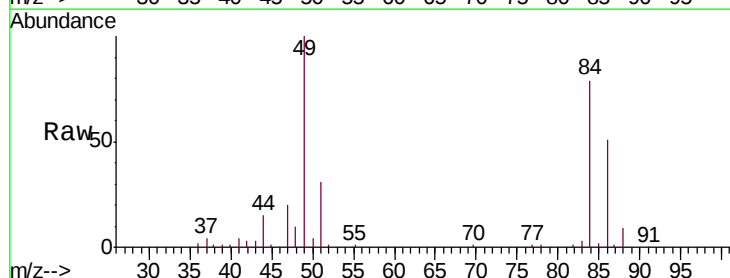
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

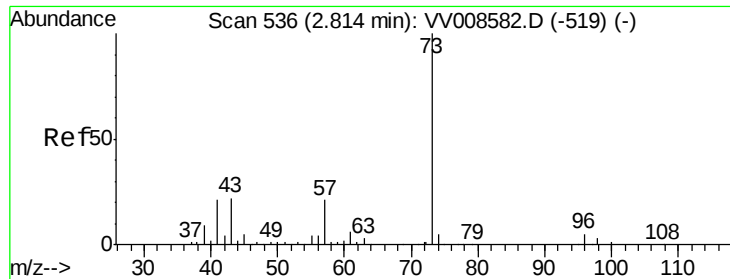
Tgt Ion: 43 Resp: 15705
Ion Ratio Lower Upper
43 100
74 22.0 17.6 26.4



#16
Methylene chloride
Concen: 4.843 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion: 84 Resp: 39788
Ion Ratio Lower Upper
84 100
86 64.0 44.8 83.2
49 125.9 88.1 163.7

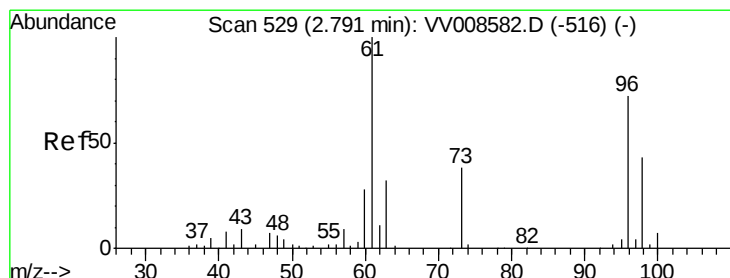
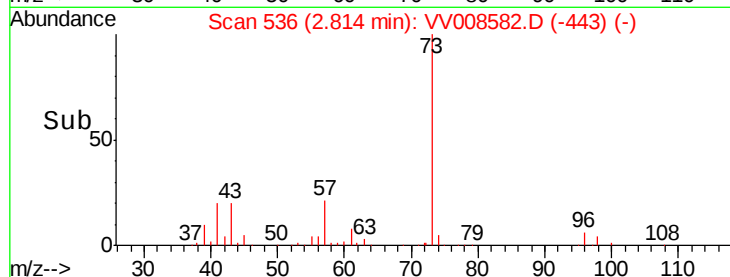
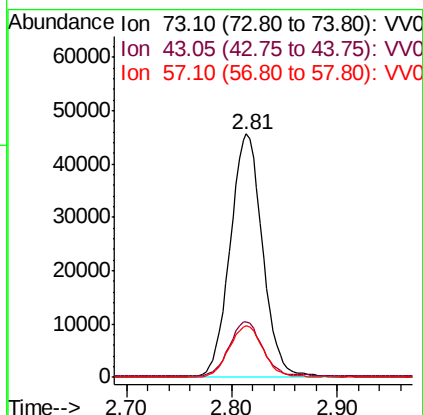
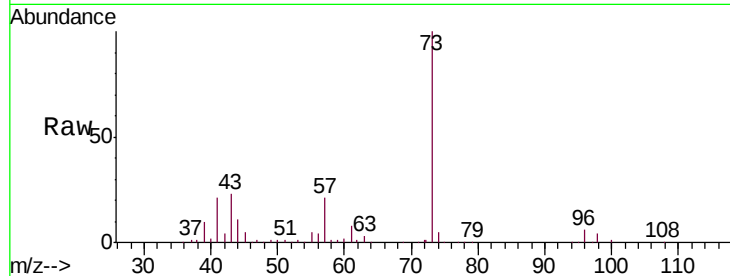




#17
Methyl tert-butyl Ether
Concen: 5.001 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

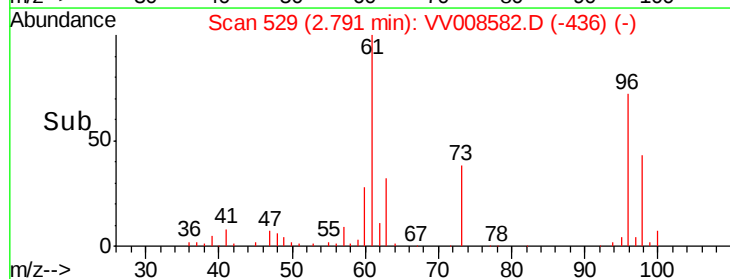
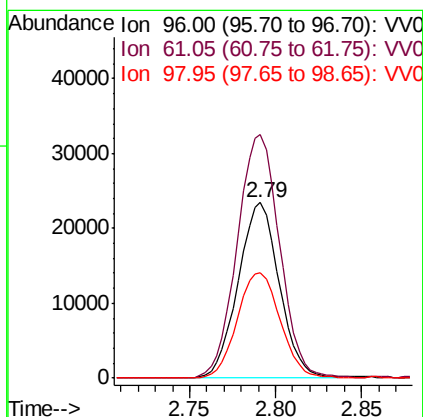
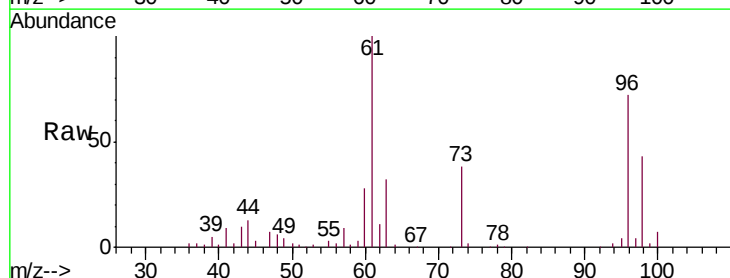
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

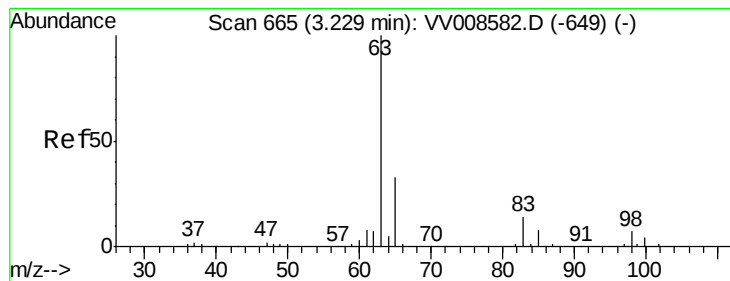
Tgt Ion: 73 Resp: 97207
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 22.4 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.710 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion: 96 Resp: 39025
Ion Ratio Lower Upper
96 100
61 138.7 97.1 180.3
98 59.8 41.9 77.7





#19

1,1-Dichloroethane

Concen: 5.837 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

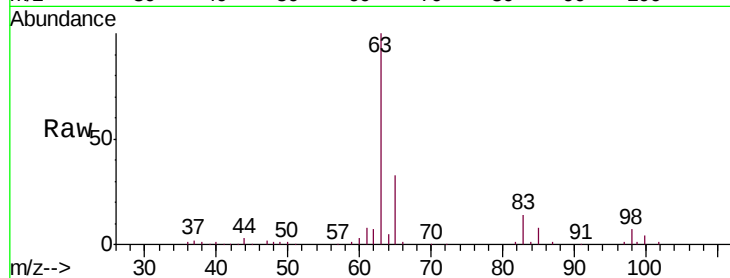
Tgt Ion: 63 Resp: 102366

Ion Ratio Lower Upper

63 100

65 33.1 23.2 43.0

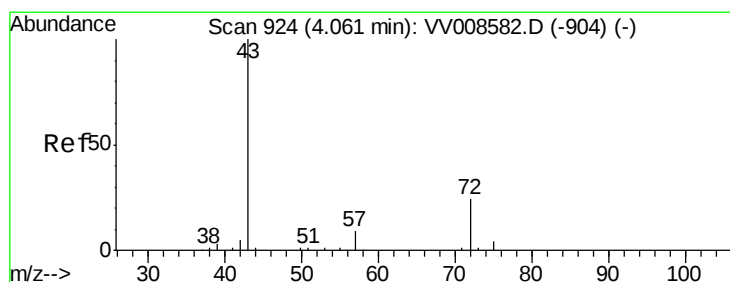
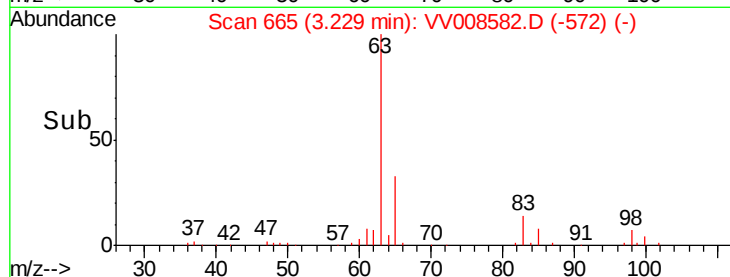
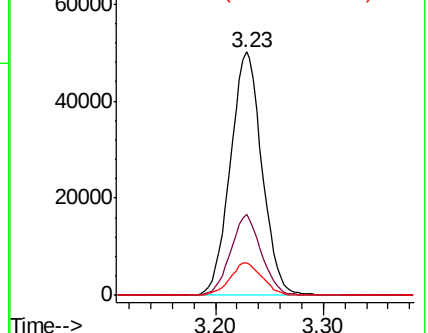
83 13.6 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV008582.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV008582.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV008582.D (-649) (-)



#21

2-Butanone

Concen: 48.031 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.00 min

Lab File: VV008582.D

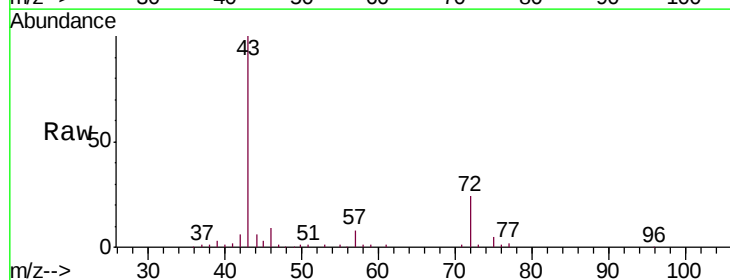
Acq: 16 Nov 2018 15:41

Tgt Ion: 43 Resp: 142344

Ion Ratio Lower Upper

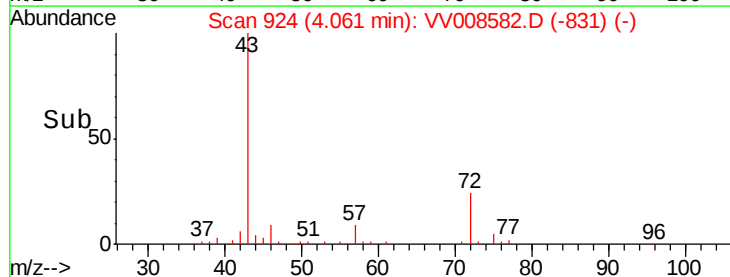
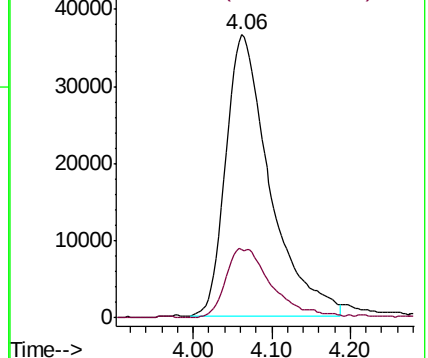
43 100

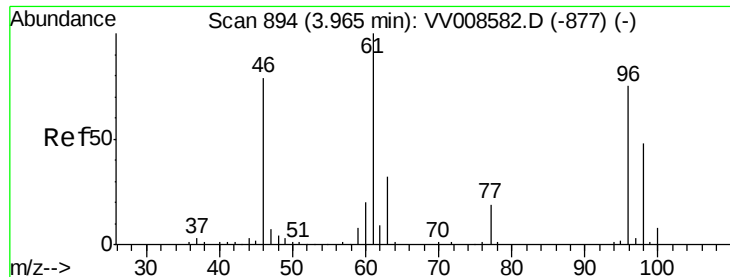
72 24.6 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV008582.D (-904) (-)

Ion 72.10 (71.80 to 72.80): VV008582.D (-904) (-)



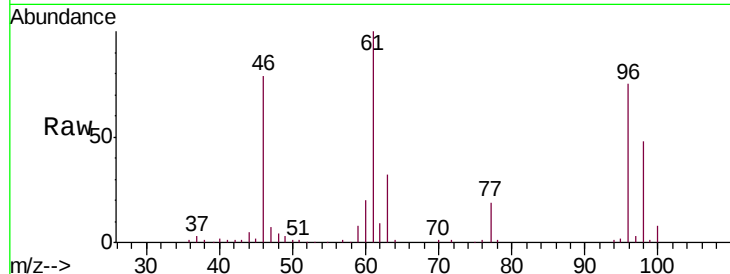


#22

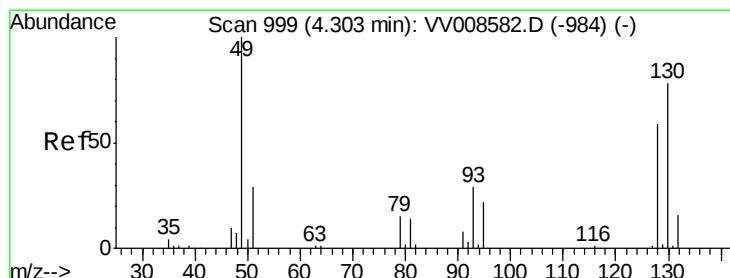
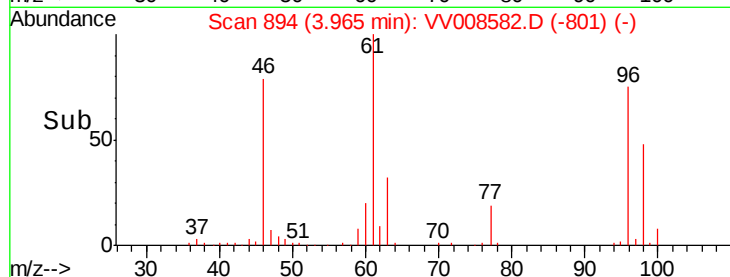
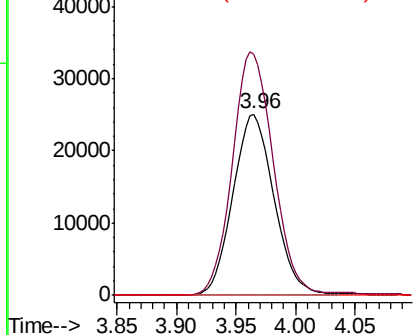
cis-1,2-Dichloroethene
 Concen: 4.812 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 96 Resp: 60132
 Ion Ratio Lower Upper
 96 100
 61 133.2 93.2 173.2
 68 0.0 0.0 0.0



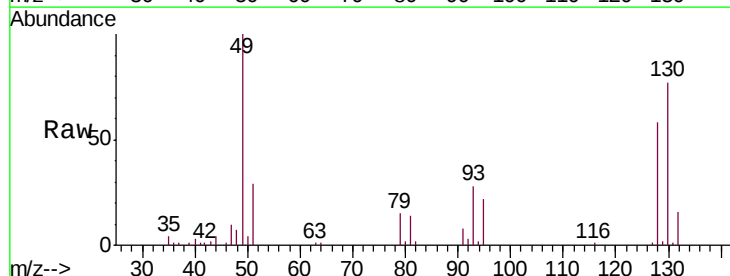
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



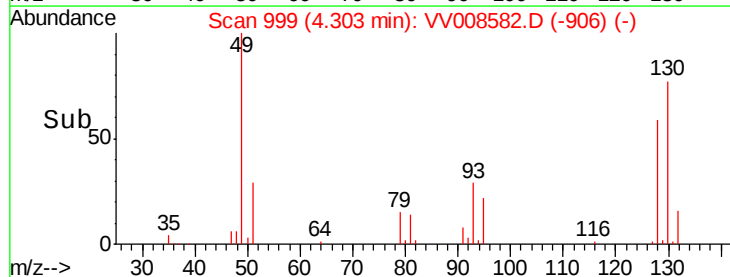
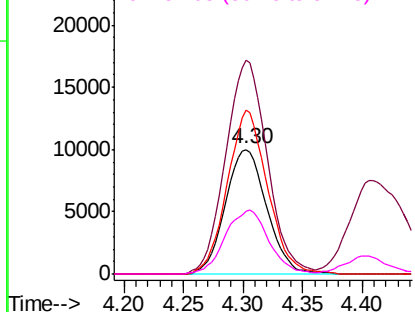
#23

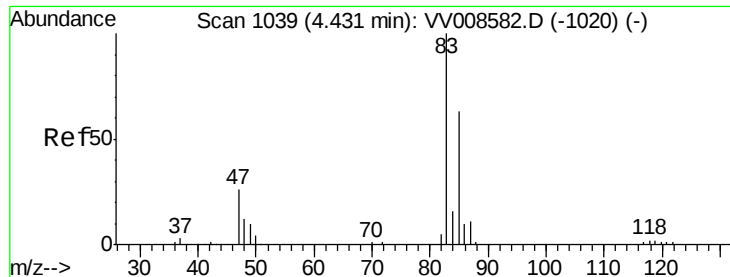
Bromochloromethane
 Concen: 4.979 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion: 128 Resp: 24150
 Ion Ratio Lower Upper
 128 100
 49 171.4 120.0 222.8
 130 131.8 92.3 171.3
 51 50.0 40.0 60.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

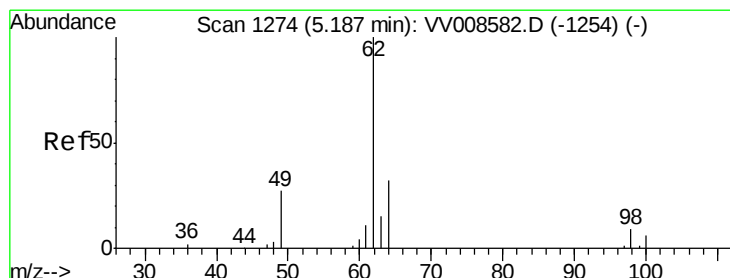
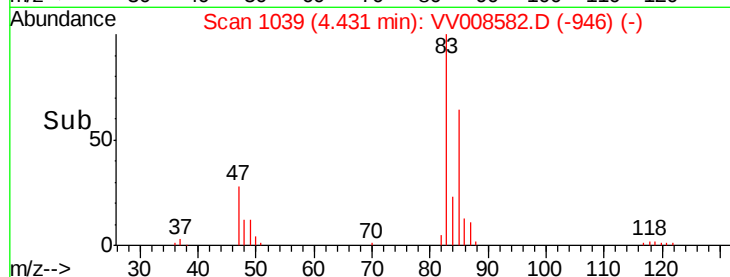
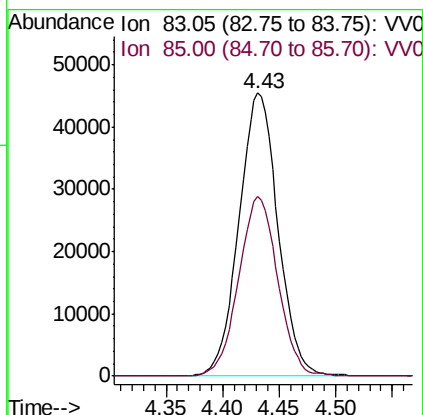
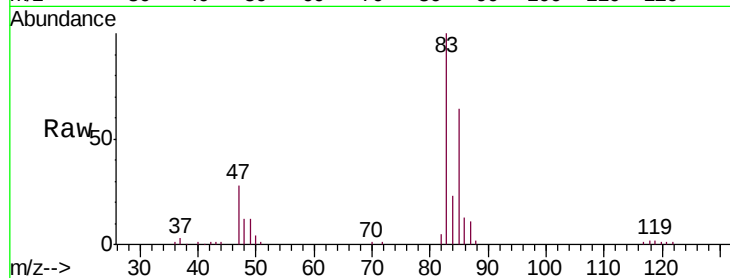




#25
Chloroform
Concen: 5.075 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

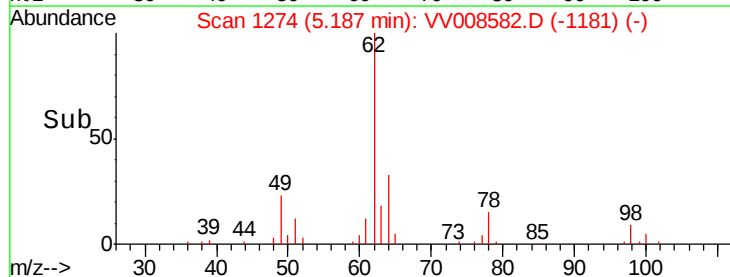
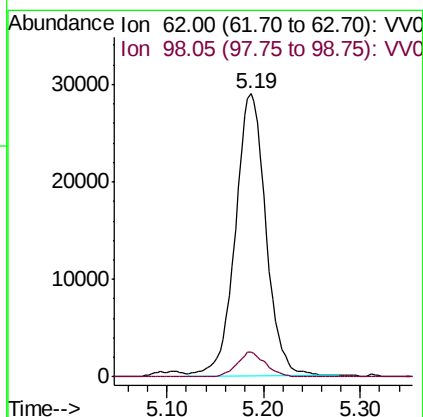
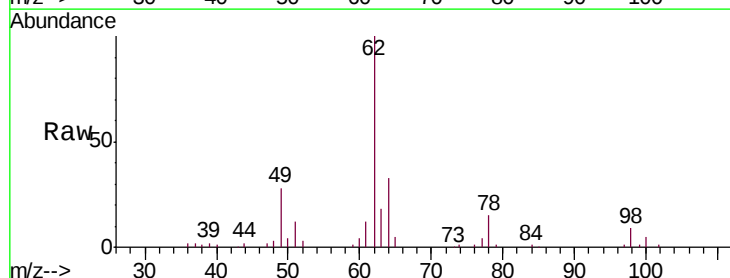
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

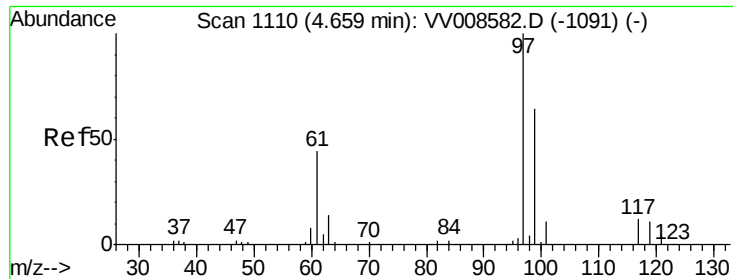
Tgt Ion: 83 Resp: 108988
Ion Ratio Lower Upper
83 100
85 63.5 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.680 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion: 62 Resp: 63424
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

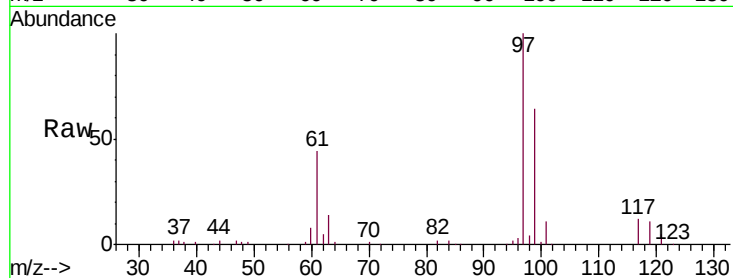




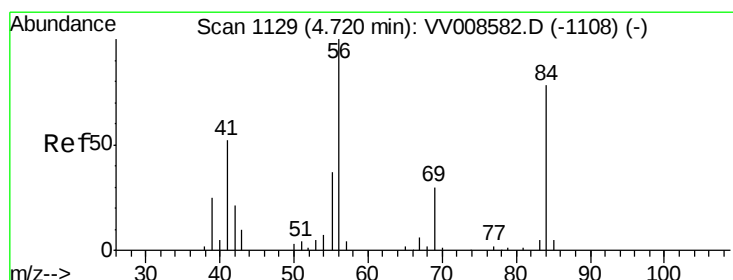
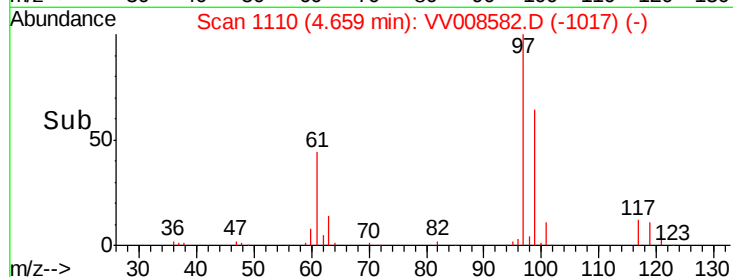
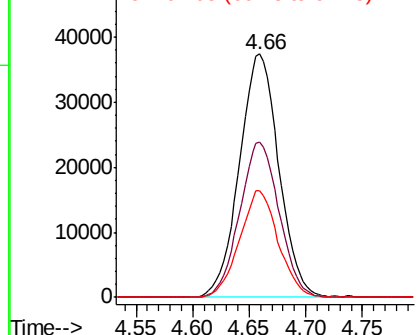
#29
 1,1,1-Trichloroethane
 Concen: 5.010 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion: 97 Resp: 90830
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 42.9 34.3 51.5

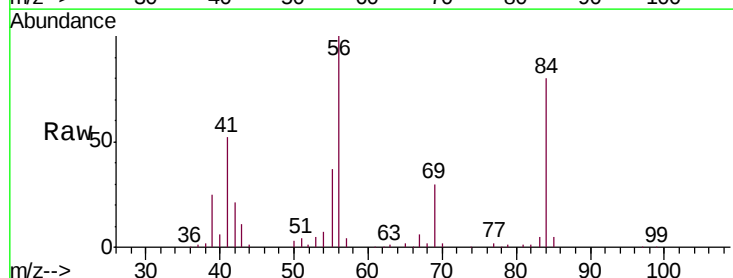


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

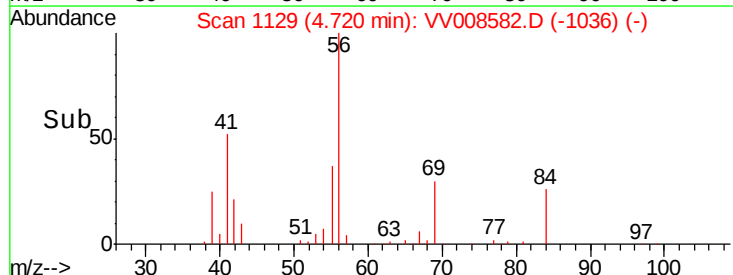
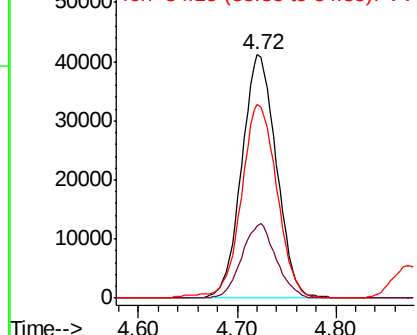


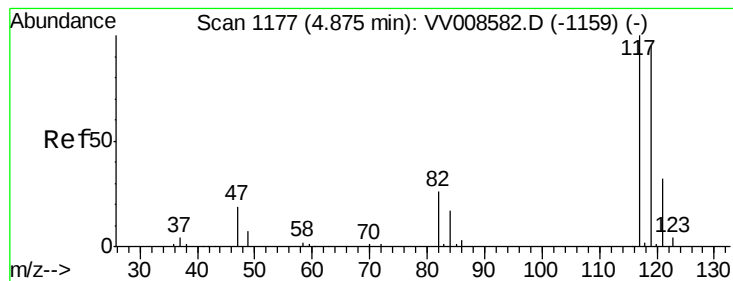
#30
 Cyclohexane
 Concen: 4.950 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion: 56 Resp: 99921
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 82.1 65.7 98.5



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.893 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

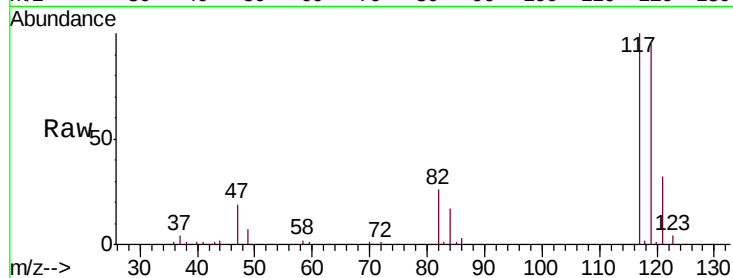
VSTD00563

Tgt Ion:117 Resp: 76988

Ion Ratio Lower Upper

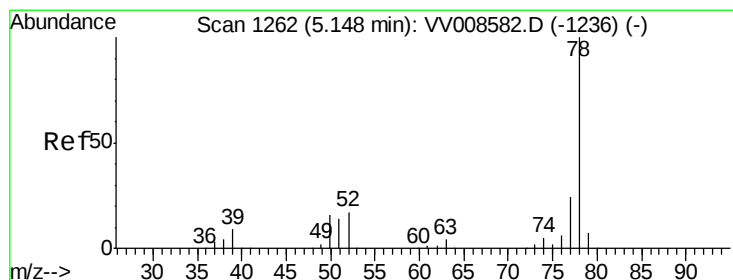
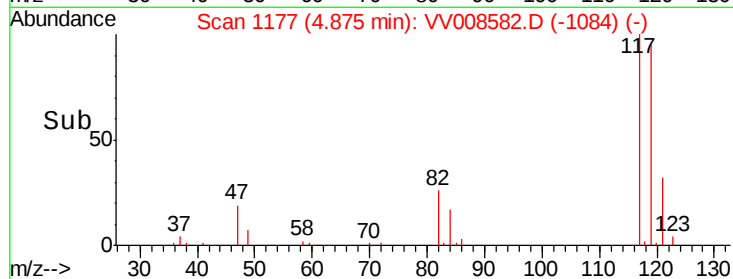
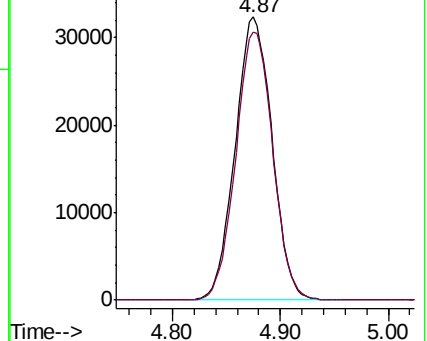
117 100

119 94.8 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.030 ug/L

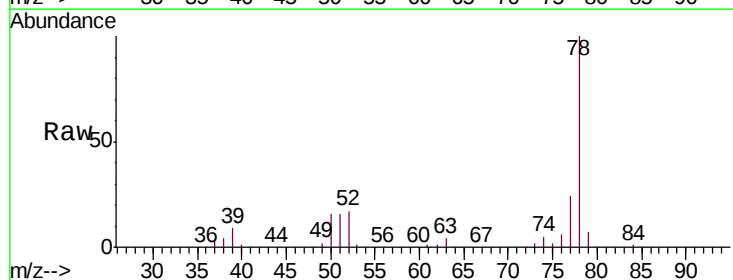
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

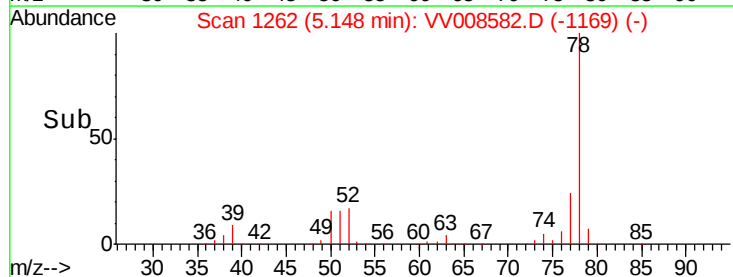
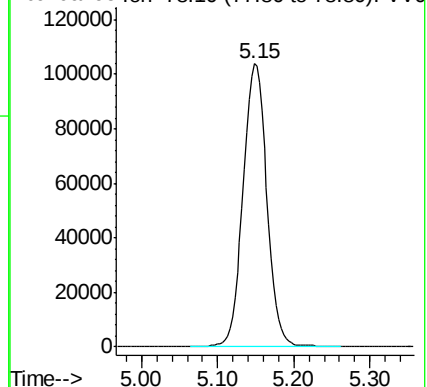
Lab File: VV008582.D

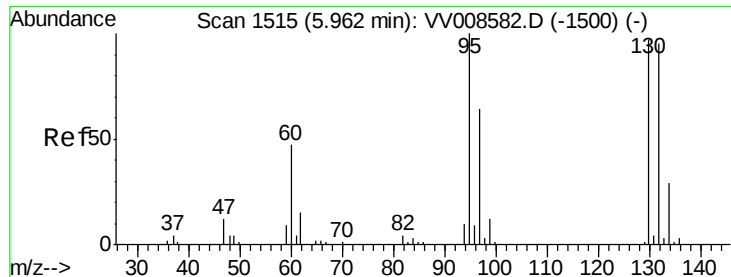
Acq: 16 Nov 2018 15:41

Tgt Ion: 78 Resp: 226396



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.908 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tgt Ion: 95 Resp: 59049

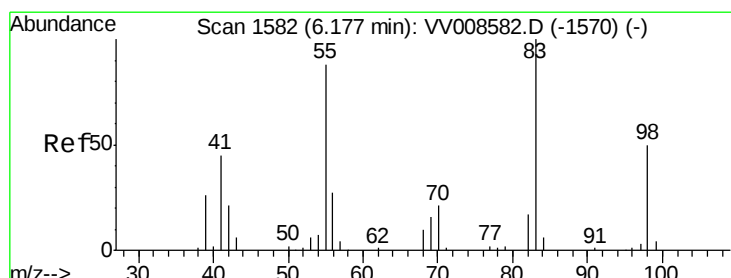
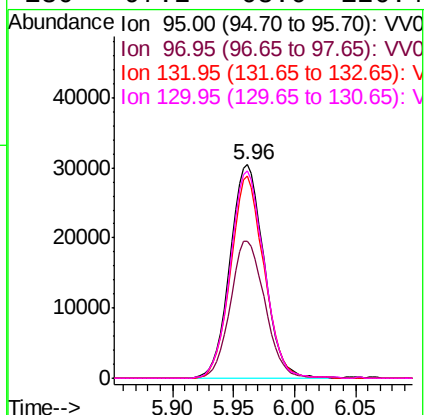
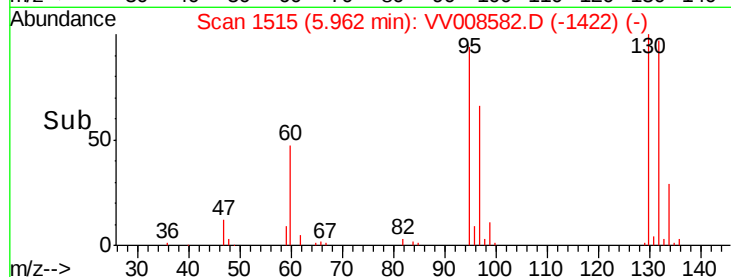
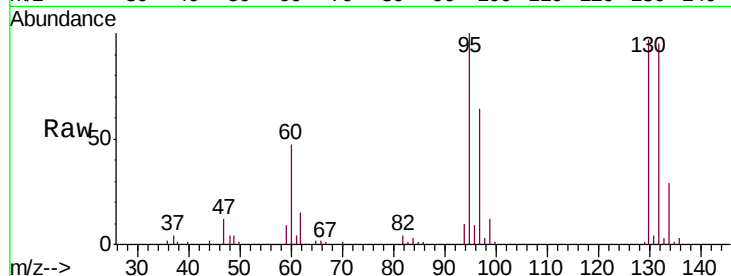
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 94.7 66.3 123.1

130 97.2 68.0 126.4



#35

Methylcyclohexane

Concen: 5.112 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

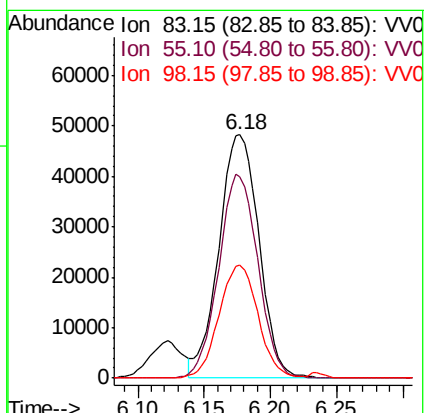
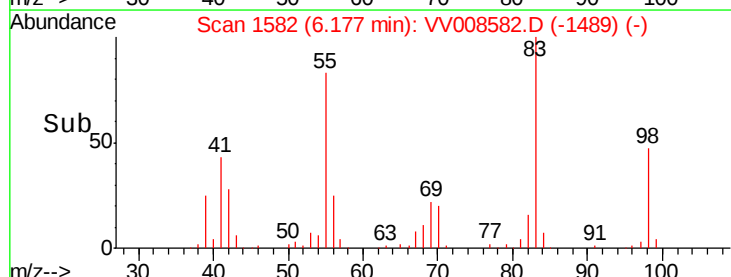
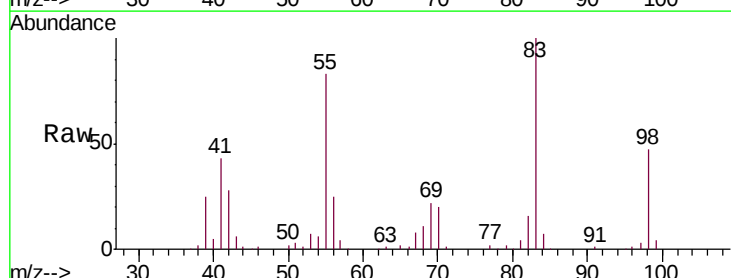
Tgt Ion: 83 Resp: 101518

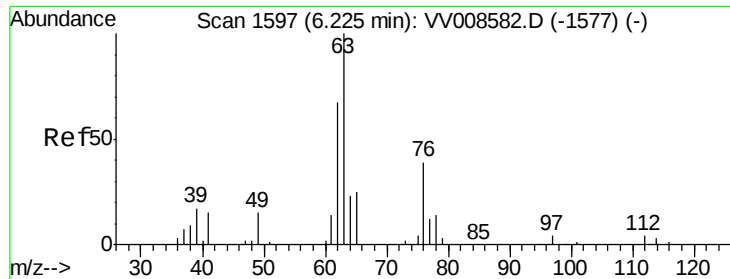
Ion Ratio Lower Upper

83 100

55 82.0 65.6 98.4

98 45.5 36.4 54.6

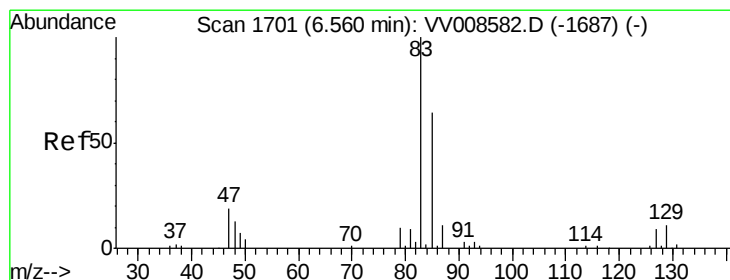
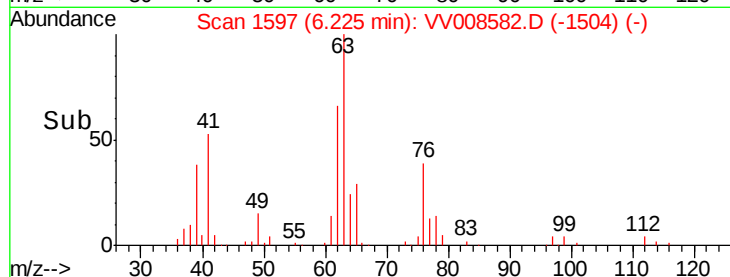
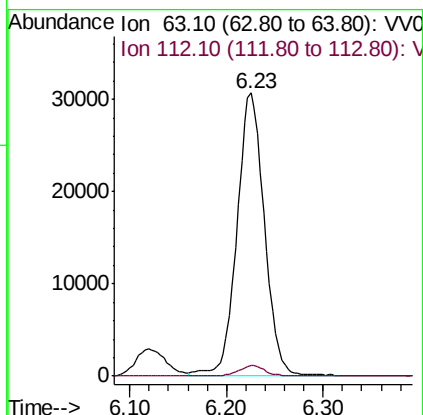
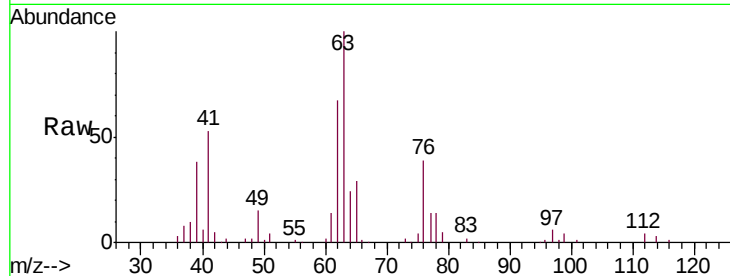




#37
 1,2-Dichloropropane
 Concen: 5.000 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

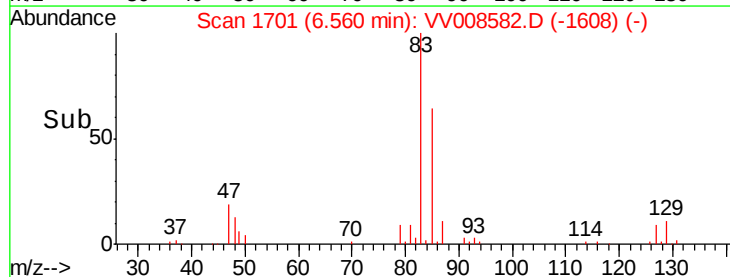
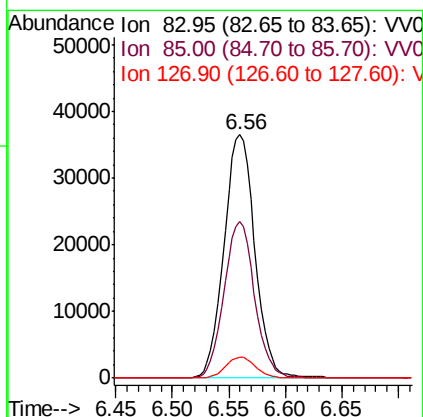
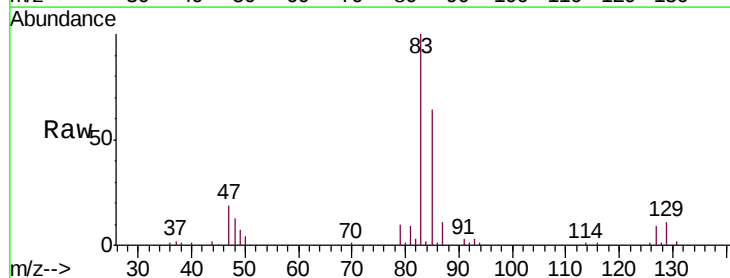
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

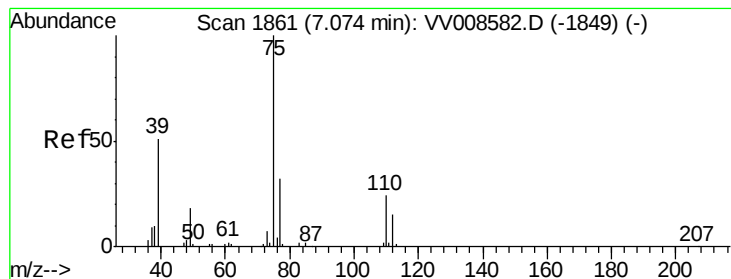
Tgt Ion: 63 Resp: 60488
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.891 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion: 83 Resp: 69282
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.9 83.5
 127 8.6 6.9 10.3



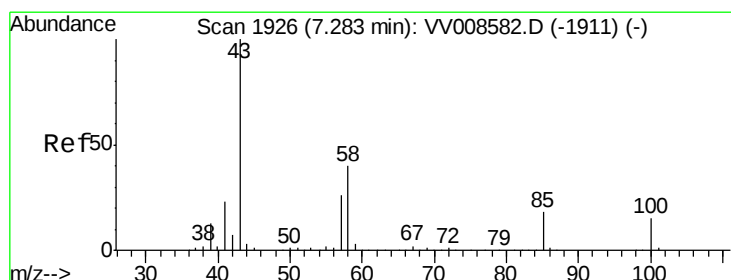
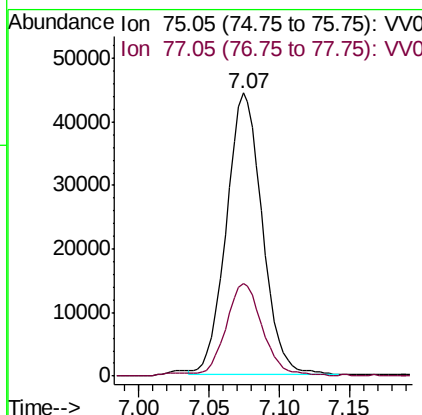
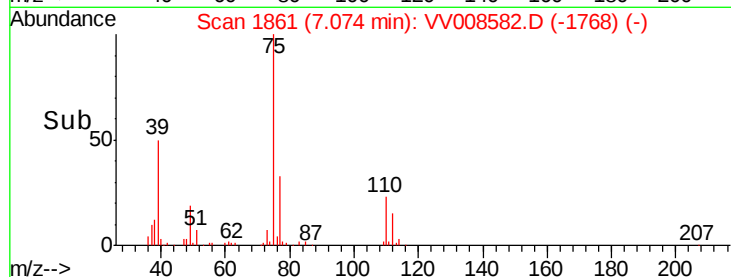
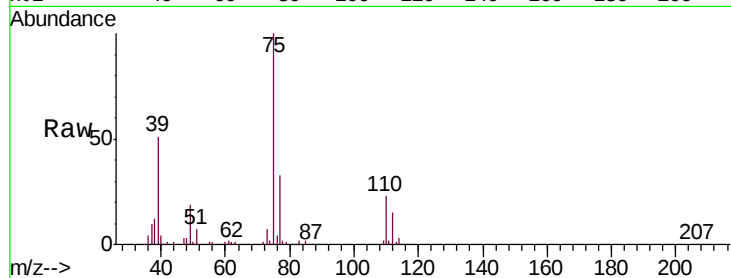


#39

cis-1,3-Dichloropropene
 Concen: 4.779 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

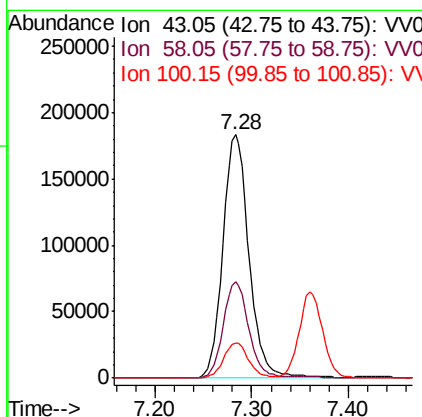
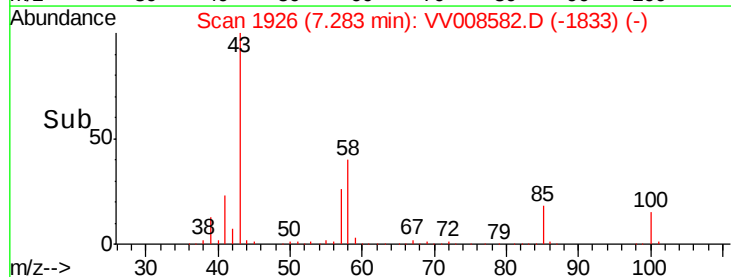
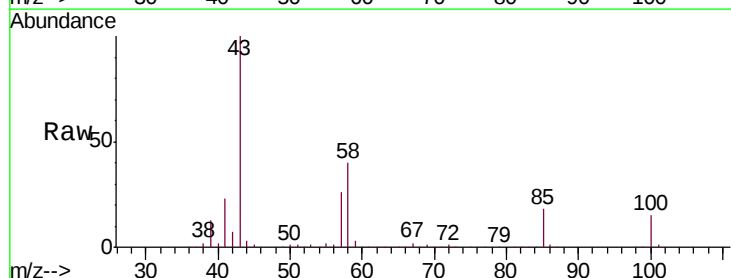
Tgt Ion: 75 Resp: 78041
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.0 42.8

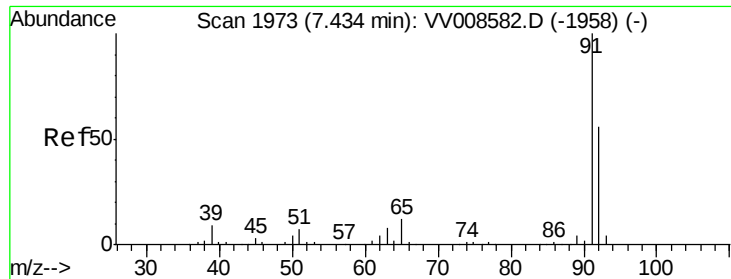


#40

4-Methyl-2-pentanone
 Concen: 47.916 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion: 43 Resp: 343472
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 13.9 11.1 16.7





#42

Toluene

Concen: 5.071 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

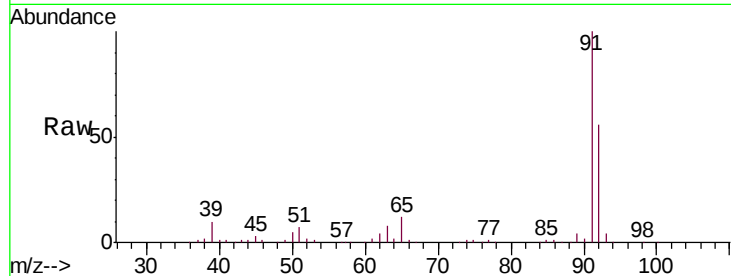
VSTD00563

Tgt Ion: 91 Resp: 237469

Ion Ratio Lower Upper

91 100

92 55.8 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008582.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008582.D (-1958) (-)

7.43

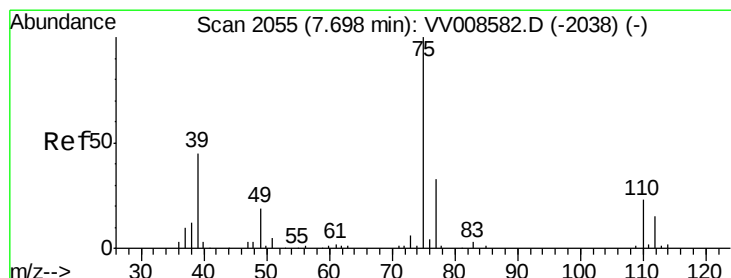
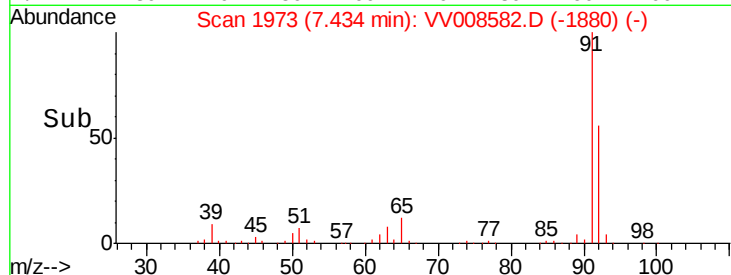
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.093 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008582.D

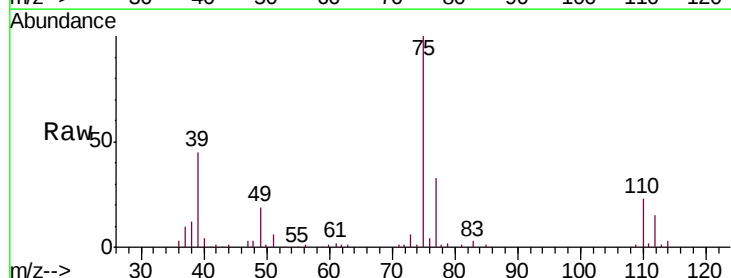
Acq: 16 Nov 2018 15:41

Tgt Ion: 75 Resp: 66820

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008582.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008582.D (-2038) (-)

7.70

40000

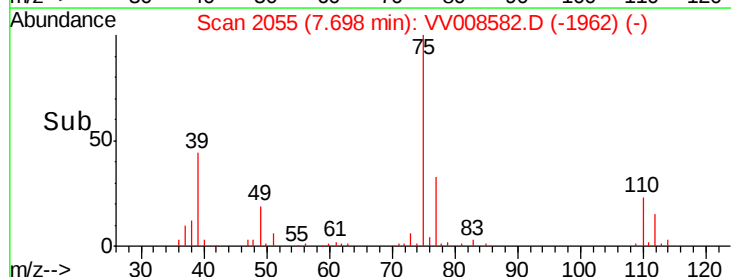
30000

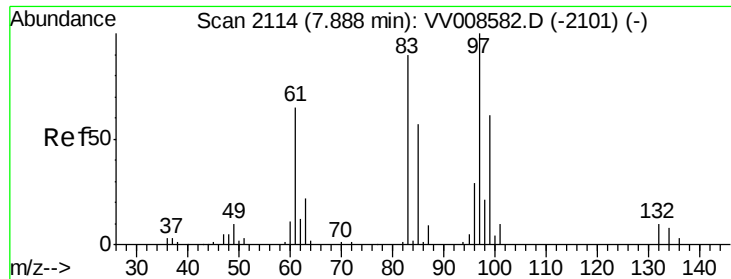
20000

10000

0

Time-->

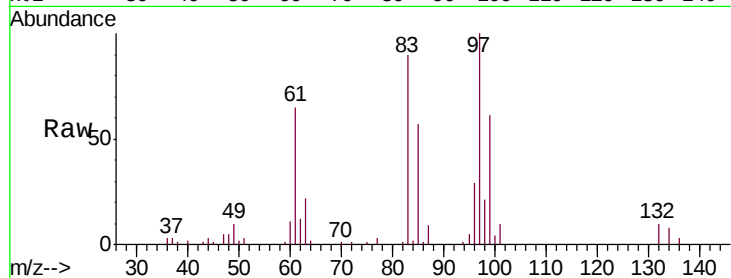




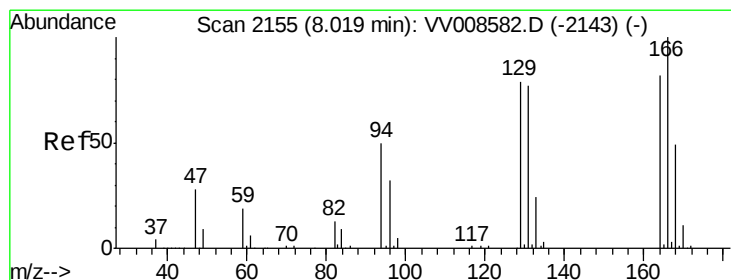
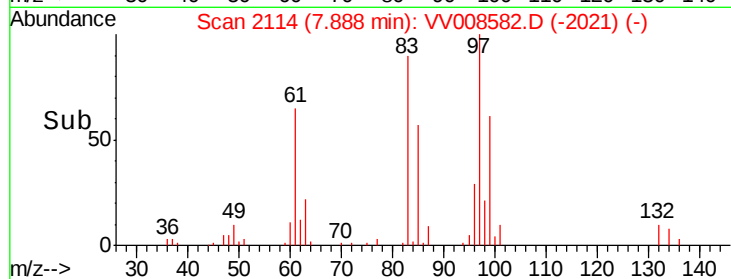
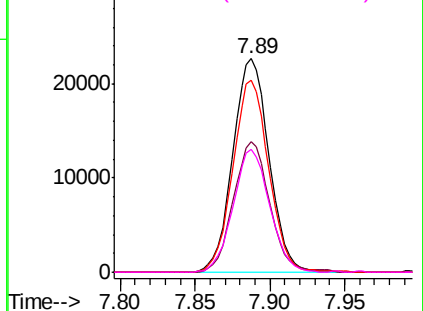
#45
 1,1,2-Trichloroethane
 Concen: 5.048 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:	97	Resp:	38249
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.0	79.8
83	90.0	63.0	117.0
85	57.3	40.1	74.5

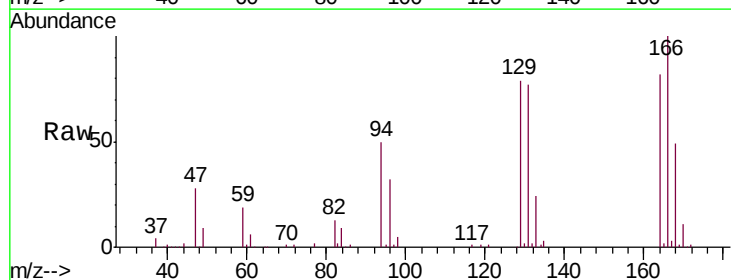


Abundance Ion 96.95 (96.65 to 97.65): VV008582.D (-2101) (-)
 Ion 99.05 (98.75 to 99.75): VV008582.D (-2101) (-)
 Ion 82.95 (82.65 to 83.65): VV008582.D (-2101) (-)
 Ion 85.00 (84.70 to 85.70): VV008582.D (-2101) (-)

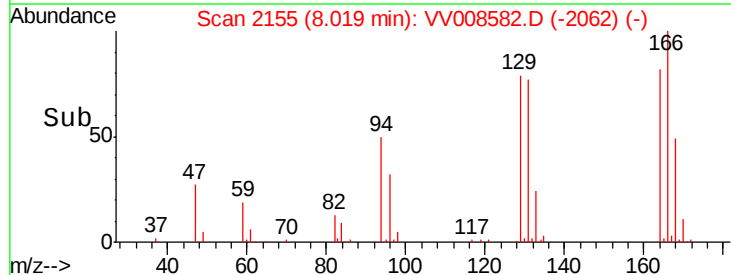
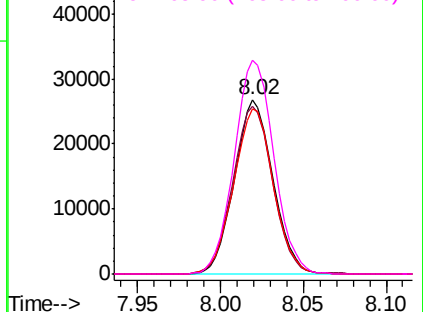


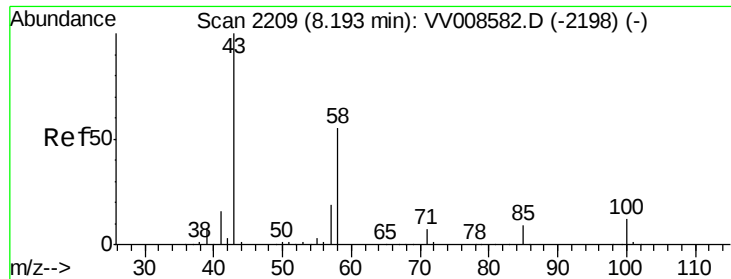
#47
 Tetrachloroethene
 Concen: 4.973 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion:	164	Resp:	43329
Ion	Ratio	Lower	Upper
164	100		
129	96.5	67.5	125.4
131	94.9	66.4	123.4
166	122.5	85.8	159.3



Abundance Ion 163.90 (163.60 to 164.60): VV008582.D (-2143) (-)
 Ion 128.95 (128.65 to 129.65): VV008582.D (-2143) (-)
 Ion 130.95 (130.65 to 131.65): VV008582.D (-2143) (-)
 Ion 165.90 (165.60 to 166.60): VV008582.D (-2143) (-)

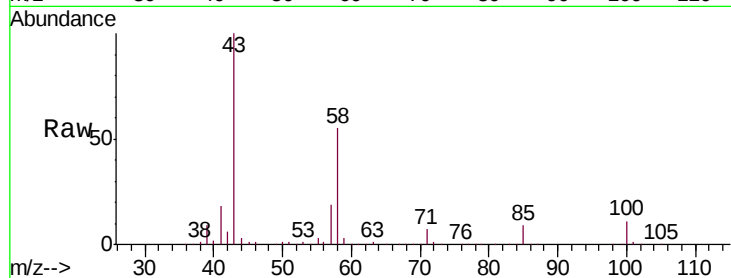




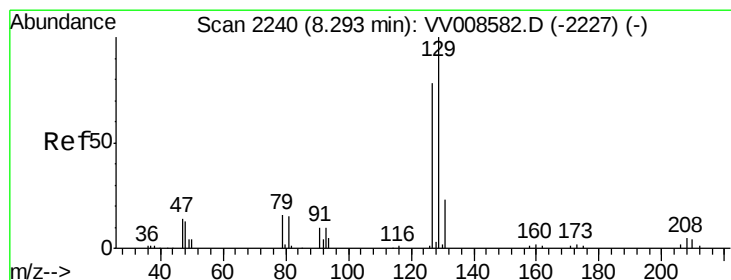
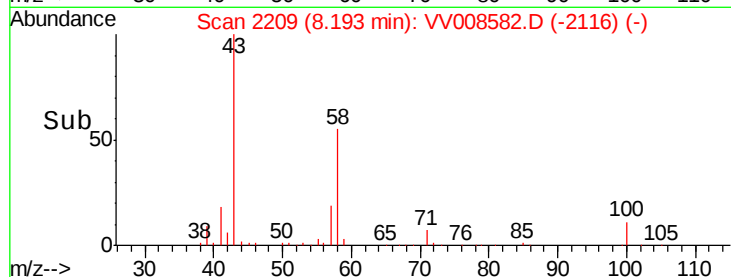
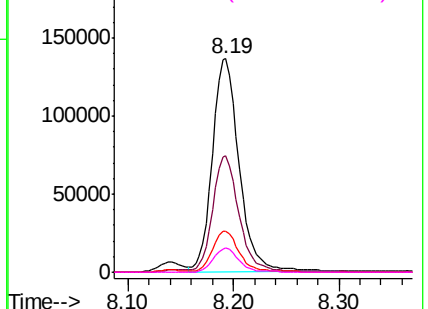
#48
2-Hexanone
Concen: 49.104 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion: 43 Resp: 240221
Ion Ratio Lower Upper
43 100
58 52.3 41.8 62.8
57 19.2 15.4 23.0
100 10.9 8.7 13.1

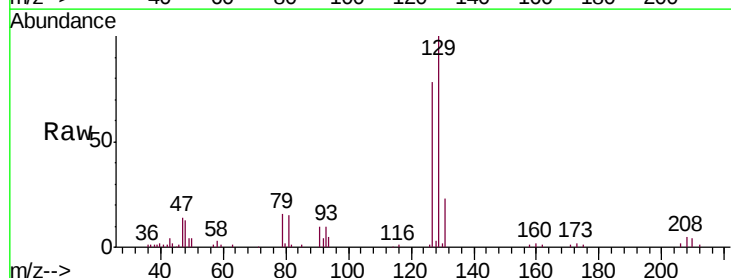


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

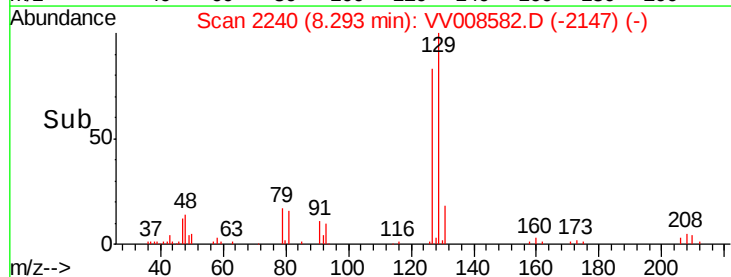
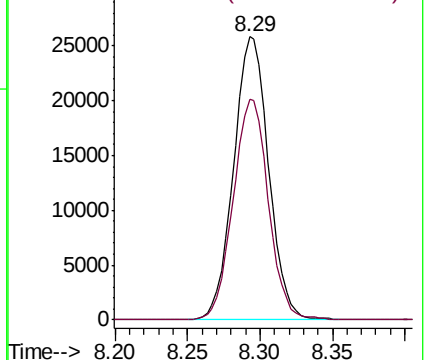


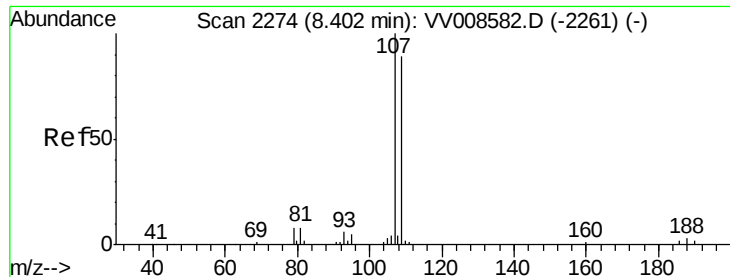
#49
Dibromochloromethane
Concen: 4.953 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion: 129 Resp: 43302
Ion Ratio Lower Upper
129 100
127 78.0 54.6 101.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

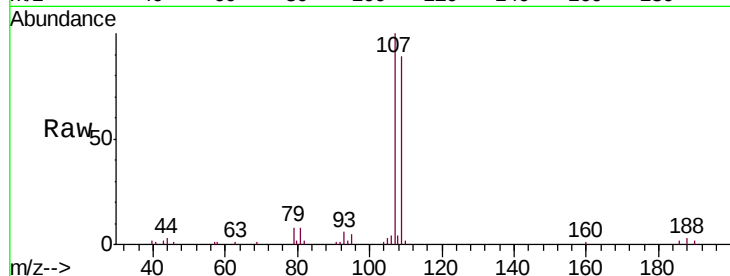




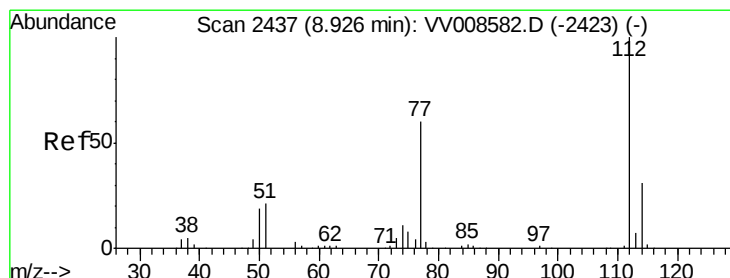
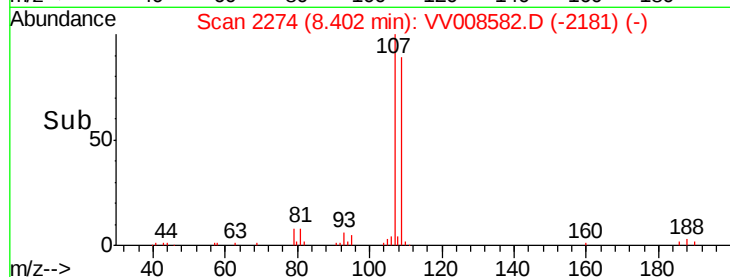
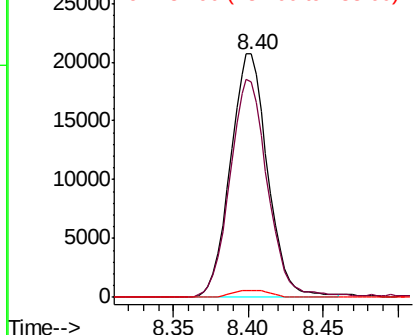
#50
1,2-Dibromoethane
Concen: 5.051 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:107 Resp: 35802
Ion Ratio Lower Upper
107 100
109 88.7 62.1 115.3
188 2.8 2.2 3.4

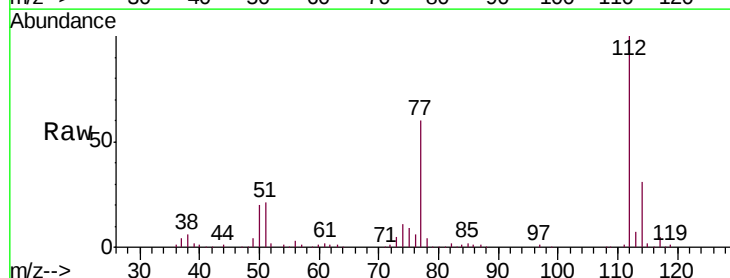


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

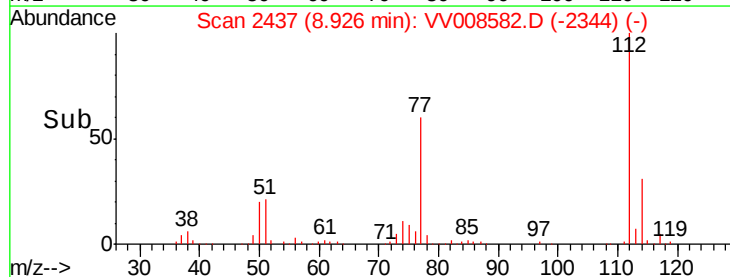
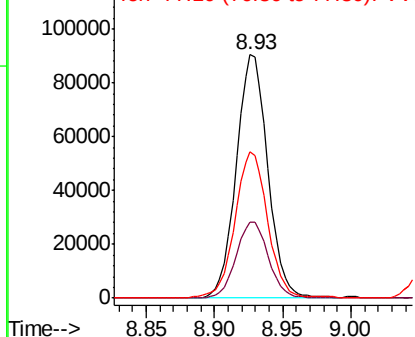


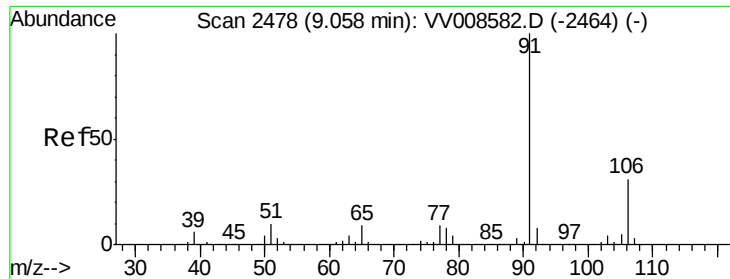
#51
Chlorobenzene
Concen: 5.060 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion:112 Resp: 145269
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 59.9 47.9 71.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.025 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

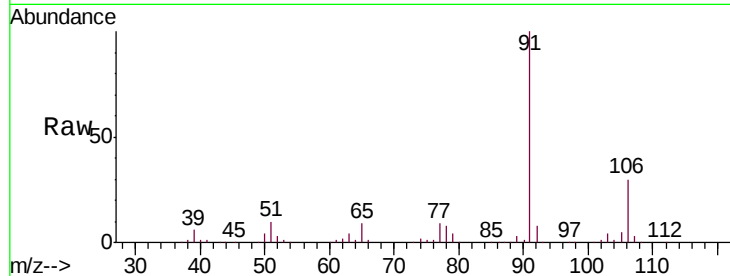
VSTD00563

Tgt Ion: 91 Resp: 260616

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008582.D (-2464) (-)

Ion 106.15 (105.85 to 106.85): VV008582.D (-2464) (-)

9.06

150000

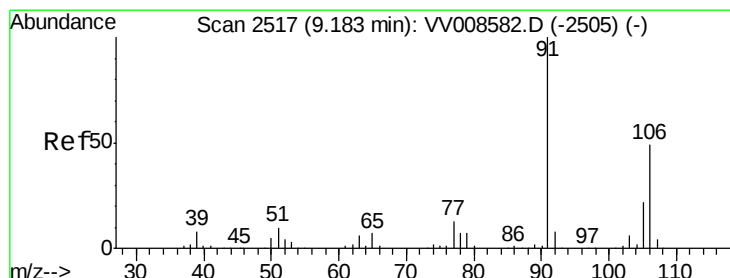
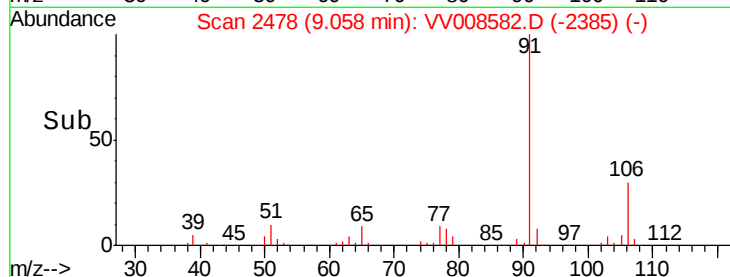
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.118 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008582.D

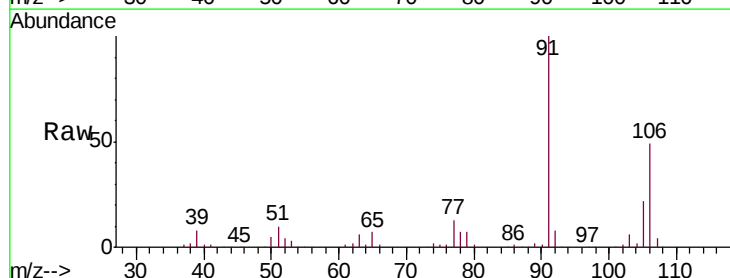
Acq: 16 Nov 2018 15:41

Tgt Ion: 106 Resp: 96988

Ion Ratio Lower Upper

106 100

91 205.7 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008582.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV008582.D (-2505) (-)

9.18

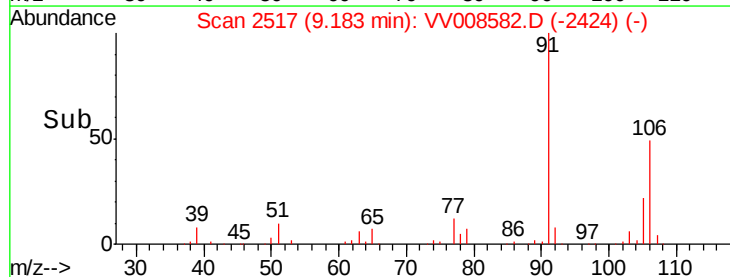
100000

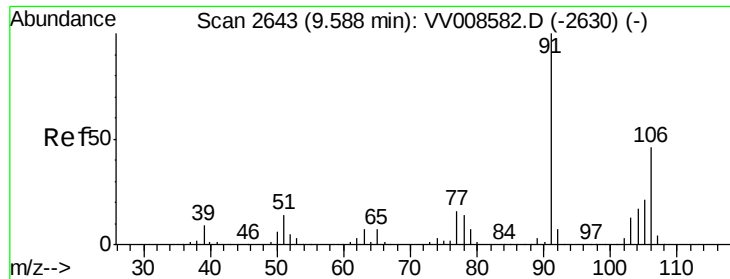
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->

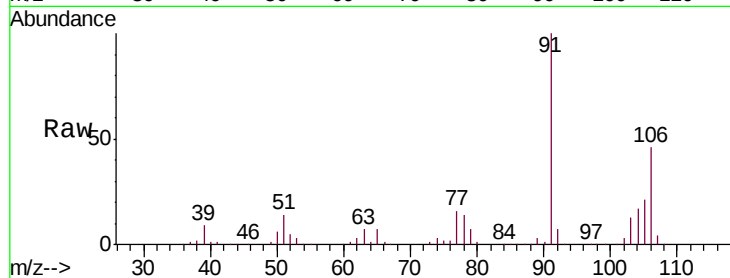




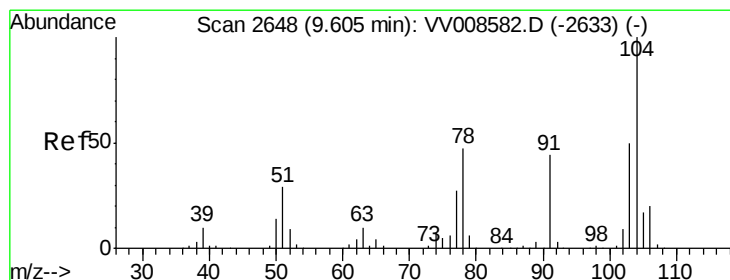
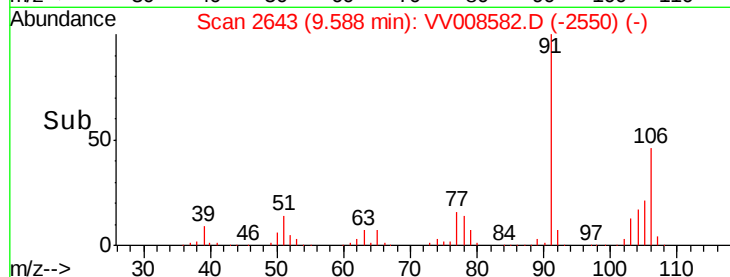
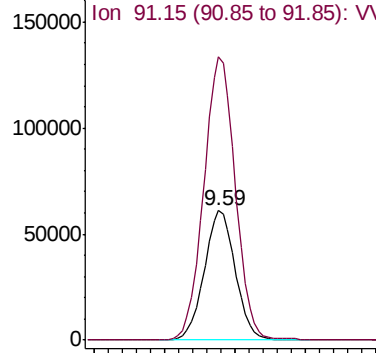
#54
o-xylene
Concen: 5.171 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tgt Ion:106 Resp: 94186
Ion Ratio Lower Upper
106 100
91 218.5 152.9 284.1

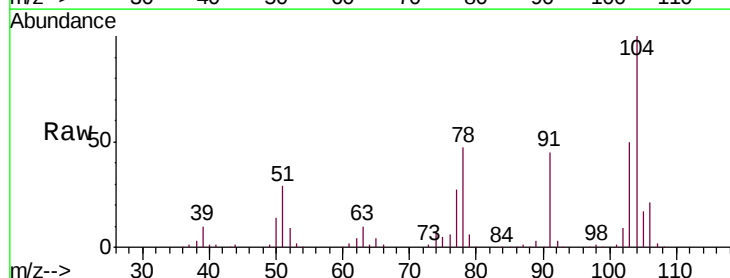


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

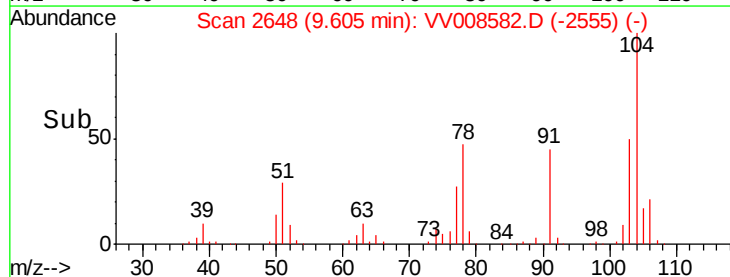
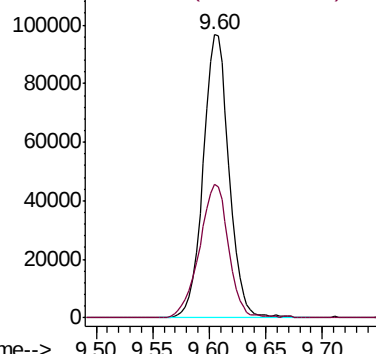


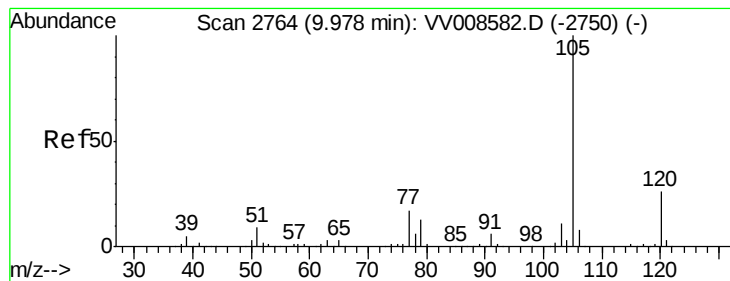
#55
Styrene
Concen: 5.080 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008582.D
Acq: 16 Nov 2018 15:41

Tgt Ion:104 Resp: 154198
Ion Ratio Lower Upper
104 100
78 47.0 32.9 61.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.093 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

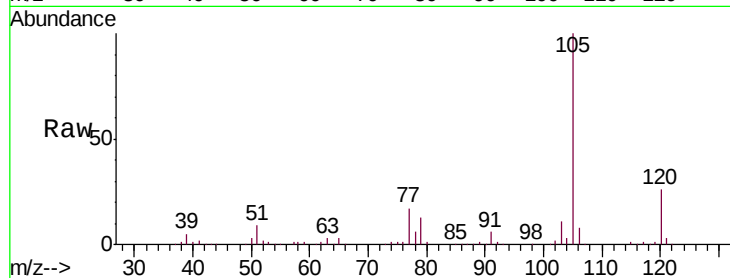
Tgt Ion: 105 Resp: 251694

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

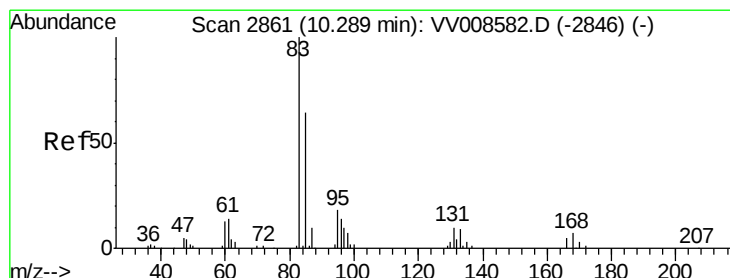
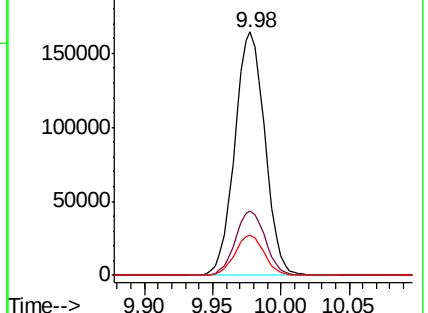
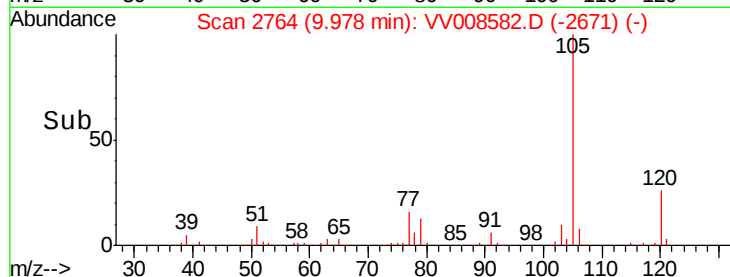
77 16.2 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.044 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

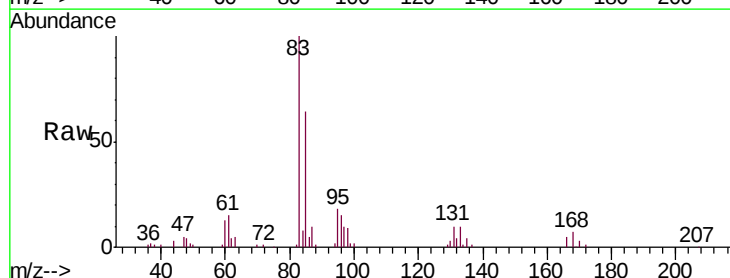
Tgt Ion: 83 Resp: 45497

Ion Ratio Lower Upper

83 100

85 64.0 44.8 83.2

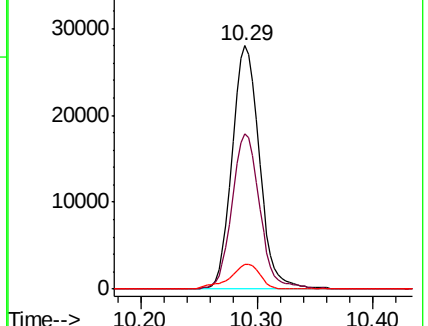
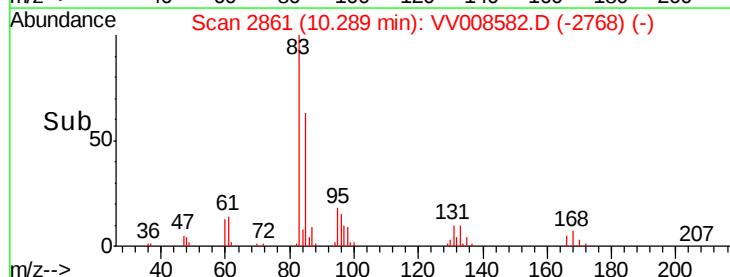
131 10.1 8.1 12.1

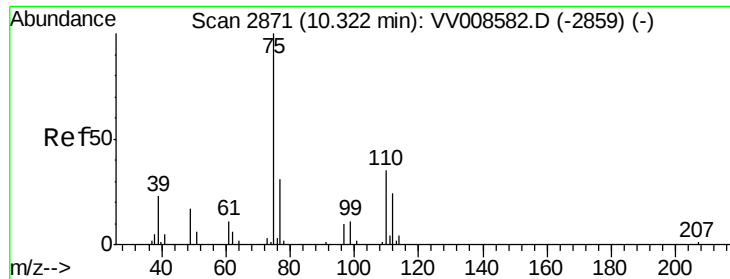


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

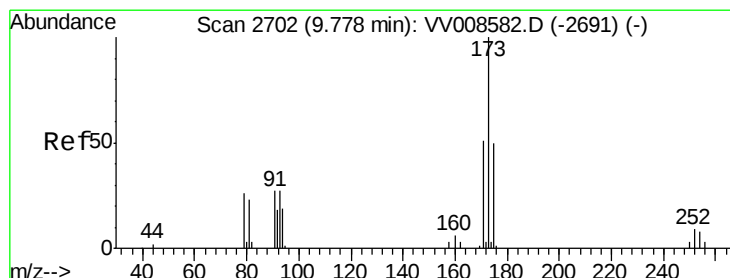
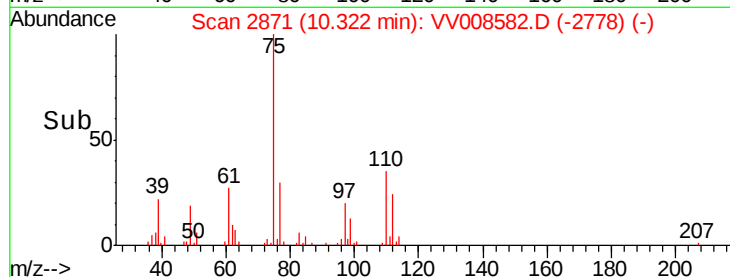
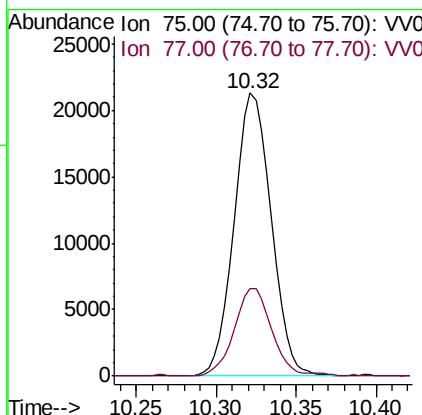
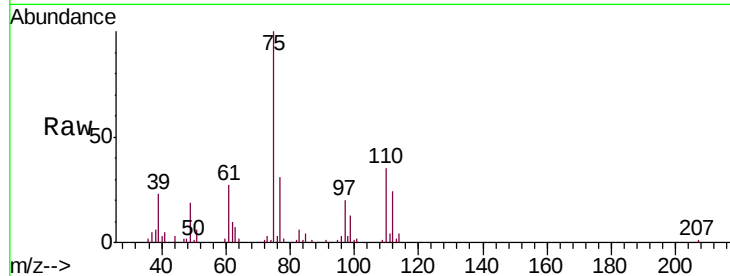




#59
 1,2,3-Trichloropropane
 Concen: 4.895 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

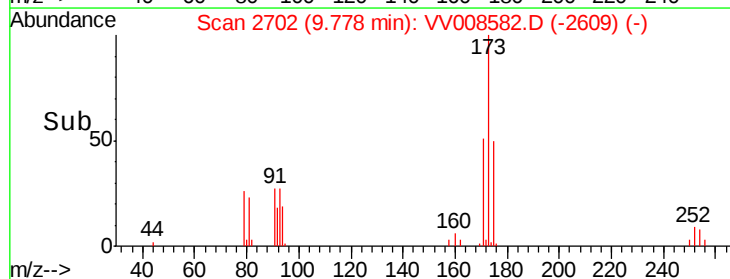
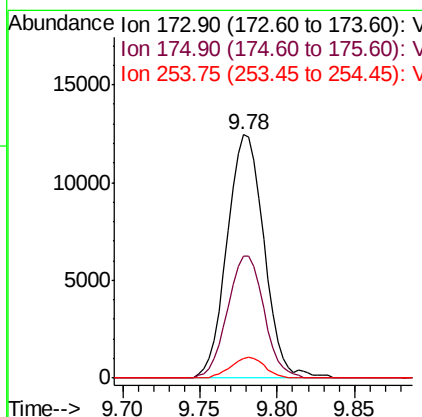
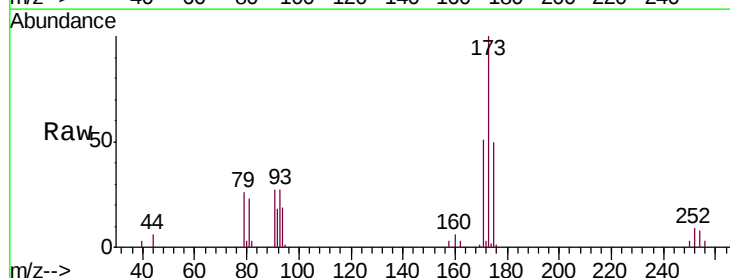
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

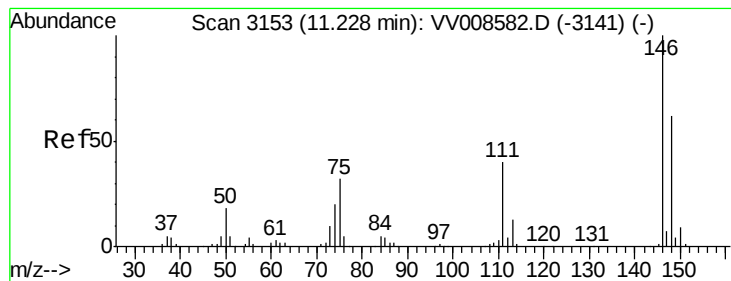
Tgt Ion: 75 Resp: 33605
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8



#61
 Bromoform
 Concen: 4.819 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion: 173 Resp: 20646
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.6 59.4
 254 7.8 6.2 9.4





#62

1,3-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

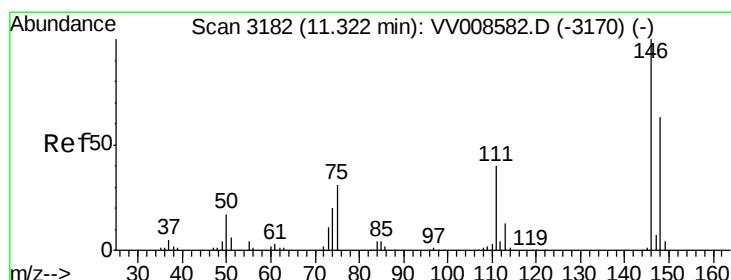
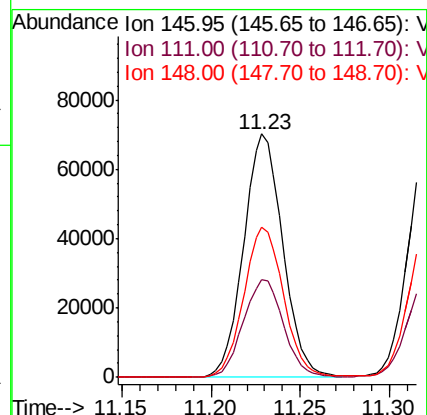
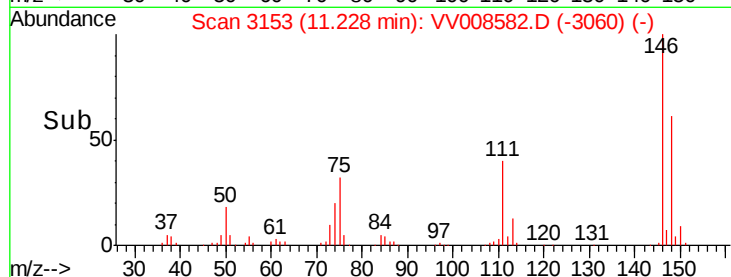
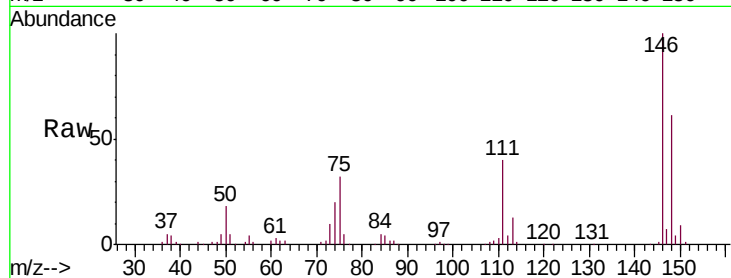
Tgt Ion:146 Resp: 107323

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

148 61.5 43.0 80.0



#63

1,4-Dichlorobenzene

Concen: 4.977 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

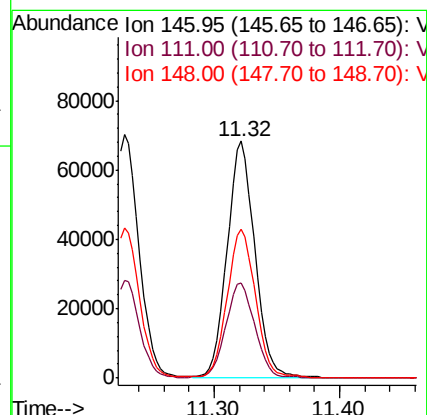
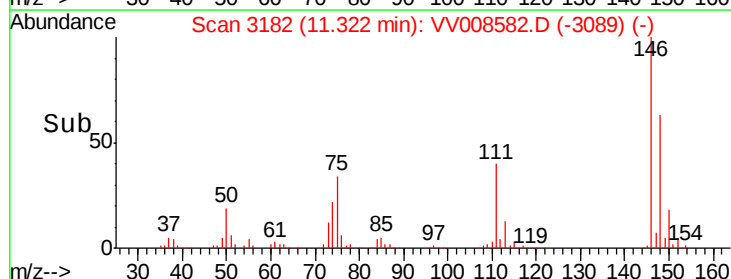
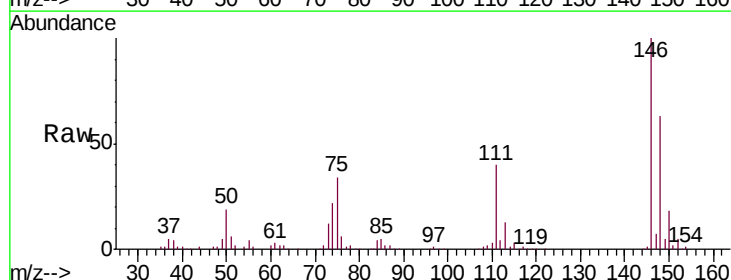
Tgt Ion:146 Resp: 105166

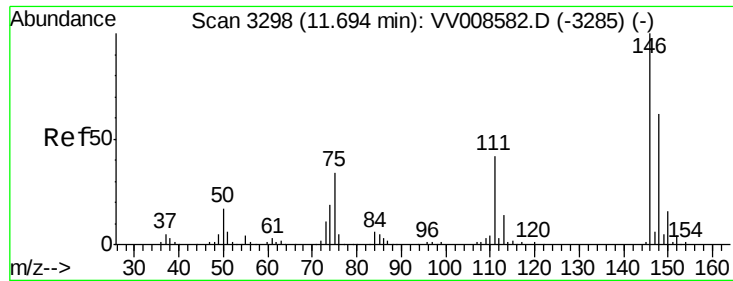
Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

148 63.0 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 4.993 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

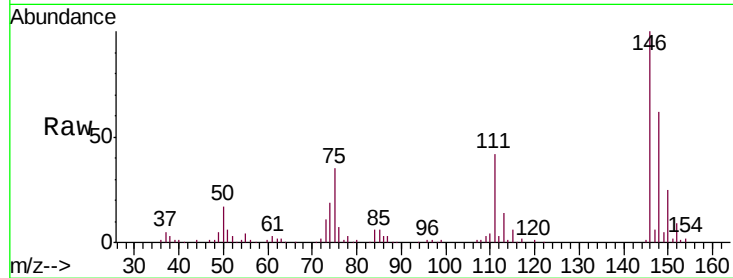
Tgt Ion:146 Resp: 101096

Ion Ratio Lower Upper

146 100

111 41.9 33.5 50.3

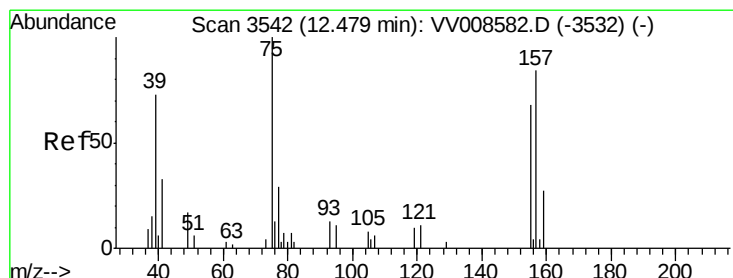
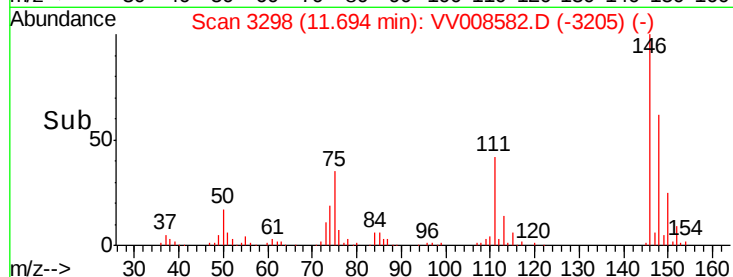
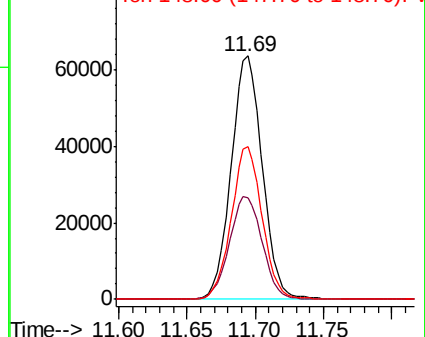
148 62.5 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.391 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

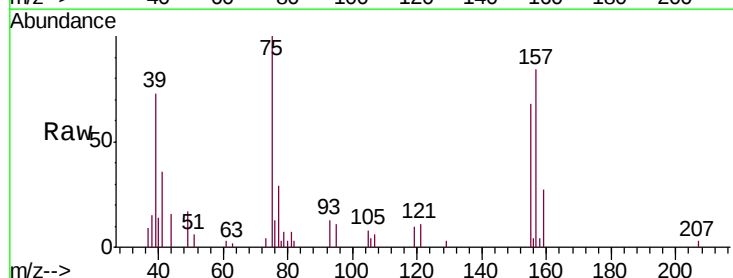
Tgt Ion: 75 Resp: 6584

Ion Ratio Lower Upper

75 100

155 67.7 54.2 81.2

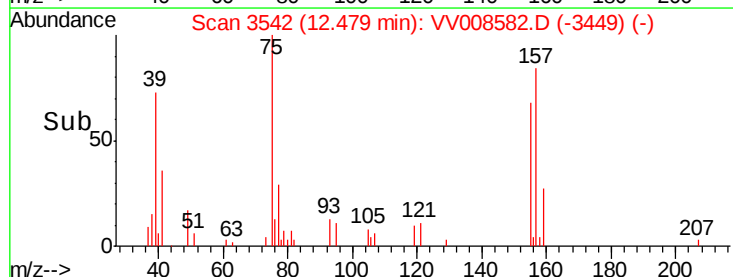
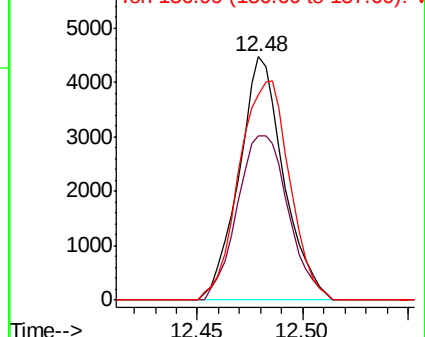
157 84.3 67.4 101.2

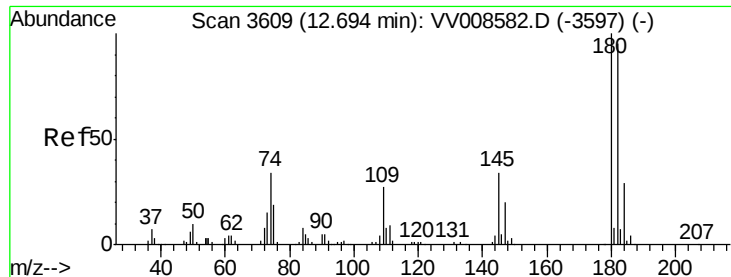


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

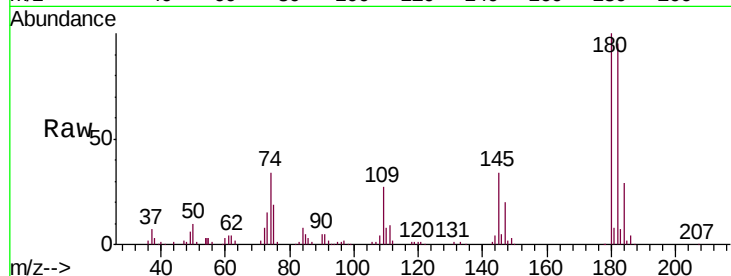




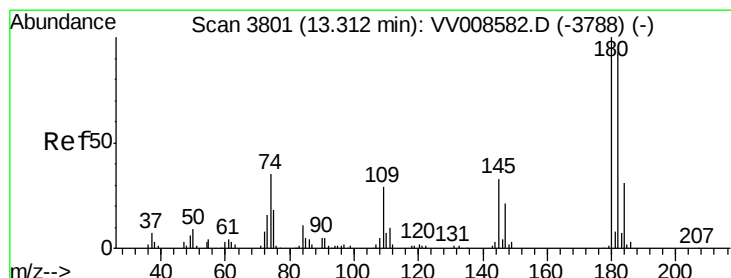
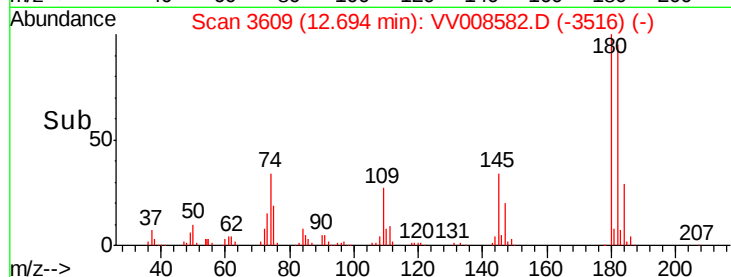
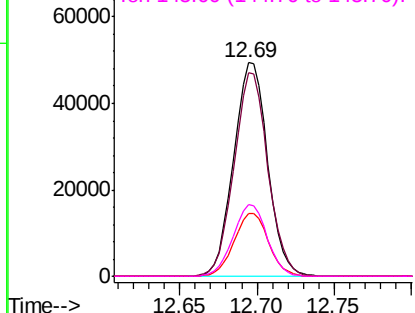
#67
 1,3,5-Trichlorobenzene
 Concen: 5.023 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tgt Ion:180 Resp: 75375
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.9 113.9
 184 29.9 23.9 35.9
 145 33.5 26.8 40.2

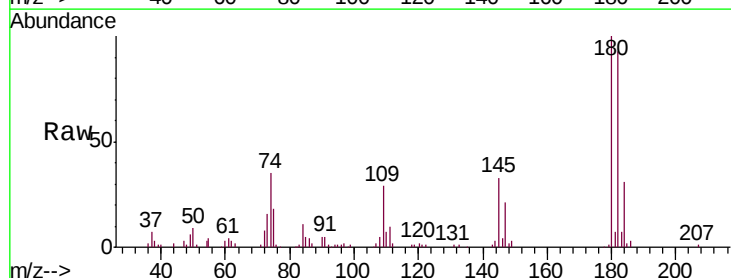


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

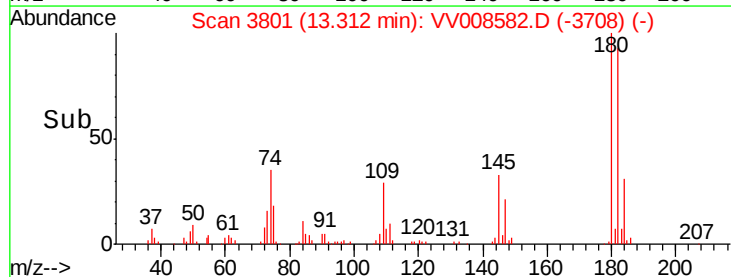
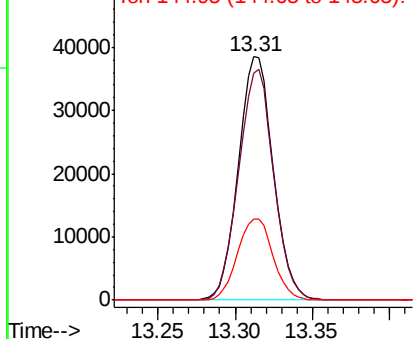


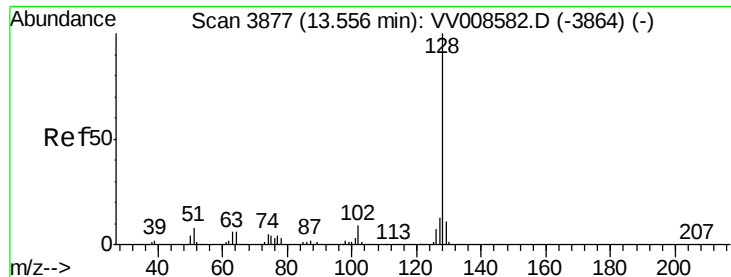
#68
 1,2,4-trichlorobenzene
 Concen: 5.156 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008582.D
 Acq: 16 Nov 2018 15:41

Tgt Ion:180 Resp: 60419
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 33.9 27.1 40.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.880 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

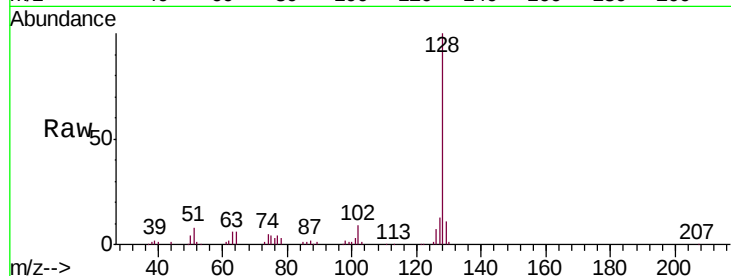
Tgt Ion:128 Resp: 102328

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

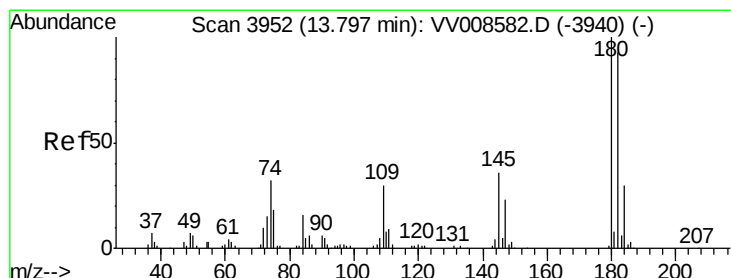
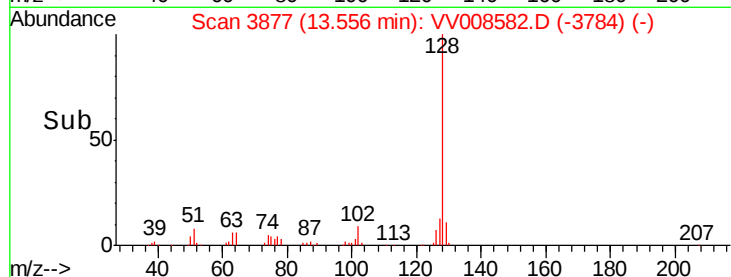
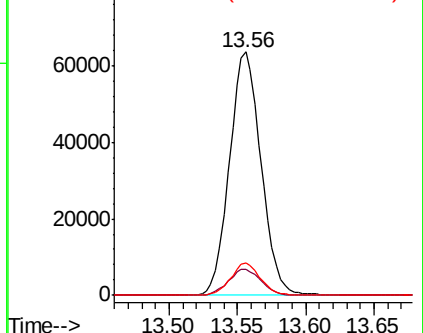
127 12.5 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.973 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008582.D

Acq: 16 Nov 2018 15:41

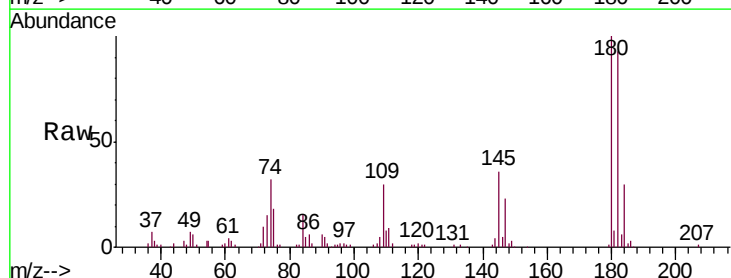
Tgt Ion:180 Resp: 56197

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 35.2 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

