

Data File : VV015015.D
Acq On : 18 Mar 2020 13:37
Operator : SY/MD
Sample : VSTD00564
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Quant Time: Mar 19 02:04:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 02:01:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	233404	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	5764	5.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	4672	5.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	9347	5.01	ug/L	0.00
21) 2-Butanone-d5	3.96	46	3753	4.99	ug/L	0.04
24) Chloroform-d	4.38	84	14204	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9494	5.40	ug/L	0.00
32) Benzene-d6	5.08	84	27087	5.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	8186	5.27	ug/L	0.00
41) Toluene-d8	7.34	98	27379	5.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3728	4.49	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	6754	9.44	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.24	84	11702	5.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12807	5.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8128	4.074 ug/L	97
3) Chloromethane	1.25	50	6007	4.429 ug/L	95
5) Vinyl chloride	1.32	62	5687	4.335 ug/L	99
6) Bromomethane	1.53	94	3479	4.087 ug/L	98
8) Chloroethane	1.60	64	2809	3.974 ug/L	89
9) Trichlorofluoromethane	1.76	101	8344	3.998 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4089	4.074 ug/L	92
12) 1,1-Dichloroethene	2.13	96	3648	3.841 ug/L #	58
13) Acetone	2.20	43	2463	4.059 ug/L	79
14) Carbon disulfide	2.31	76	13410	3.984 ug/L	100
16) Methylene chloride	2.52	84	6533	4.340 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	5778	4.053 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	16542	3.769 ug/L	96
19) 1,1-Dichloroethane	3.21	63	9651	3.940 ug/L	95
20) cis-1,2-Dichloroethene	3.95	96	4591	2.881 ug/L	100
22) 2-Butanone	4.03	43	1348	1.611 ug/L	77
23) Bromochloromethane	4.28	128	3306	3.817 ug/L	92
25) Chloroform	4.41	83	11109	4.055 ug/L	91
27) 1,2-Dichloroethane	5.16	62	7976	3.898 ug/L #	92
29) Cyclohexane	4.71	56	8038	4.002 ug/L #	22
30) 1,1,1-Trichloroethane	4.63	97	9374	3.884 ug/L	97
33) Benzene	5.13	78	21209	3.873 ug/L	100
34) Trichloroethene	5.94	95	6054	4.081 ug/L	85
35) Methylcyclohexane	6.15	83	9183	3.901 ug/L	95
37) 1,2-Dichloropropane	6.20	63	5570	4.206 ug/L #	86
38) Bromodichloromethane	6.53	83	7079	3.665 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	7595	3.425 ug/L	90
40) 4-Methyl-2-pentanone	7.26	43	14193	7.736 ug/L	98
42) Toluene	7.41	91	23467	3.790 ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	6895	3.432 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.87	97	5725	3.965	ug/L	97
46) Tetrachloroethene	8.00	164	5522	3.920	ug/L	94
48) 2-Hexanone	8.18	43	8373	6.110	ug/L #	89
49) Dibromochloromethane	8.27	129	5856	3.490	ug/L	87
50) 1,2-Dibromoethane	8.37	107	6117	3.796	ug/L	91
51) Chlorobenzene	8.90	112	17557	4.033	ug/L	99
52) Ethylbenzene	9.04	91	25482	3.623	ug/L	100
53) m,p-Xylene	9.16	106	9911	3.600	ug/L	91
54) o-xylene	9.57	106	9586	3.516	ug/L	97
55) Styrene	9.59	104	15656	3.419	ug/L	93
56) Isopropylbenzene	9.95	105	24669	3.474	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	9214	3.924	ug/L #	93
59) 1,2,3-Trichloropropane	10.30	75	6911	3.713	ug/L	99
61) Bromoform	9.75	173	3773	3.432	ug/L #	91
62) 1,3-Dichlorobenzene	11.20	146	13102	3.915	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	15645	4.491	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	16359	4.602	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	1936	3.897	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	10237	3.866	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	9928	4.072	ug/L	97
69) Naphthalene	13.53	128	11094	3.485	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	8743	3.650	ug/L	98

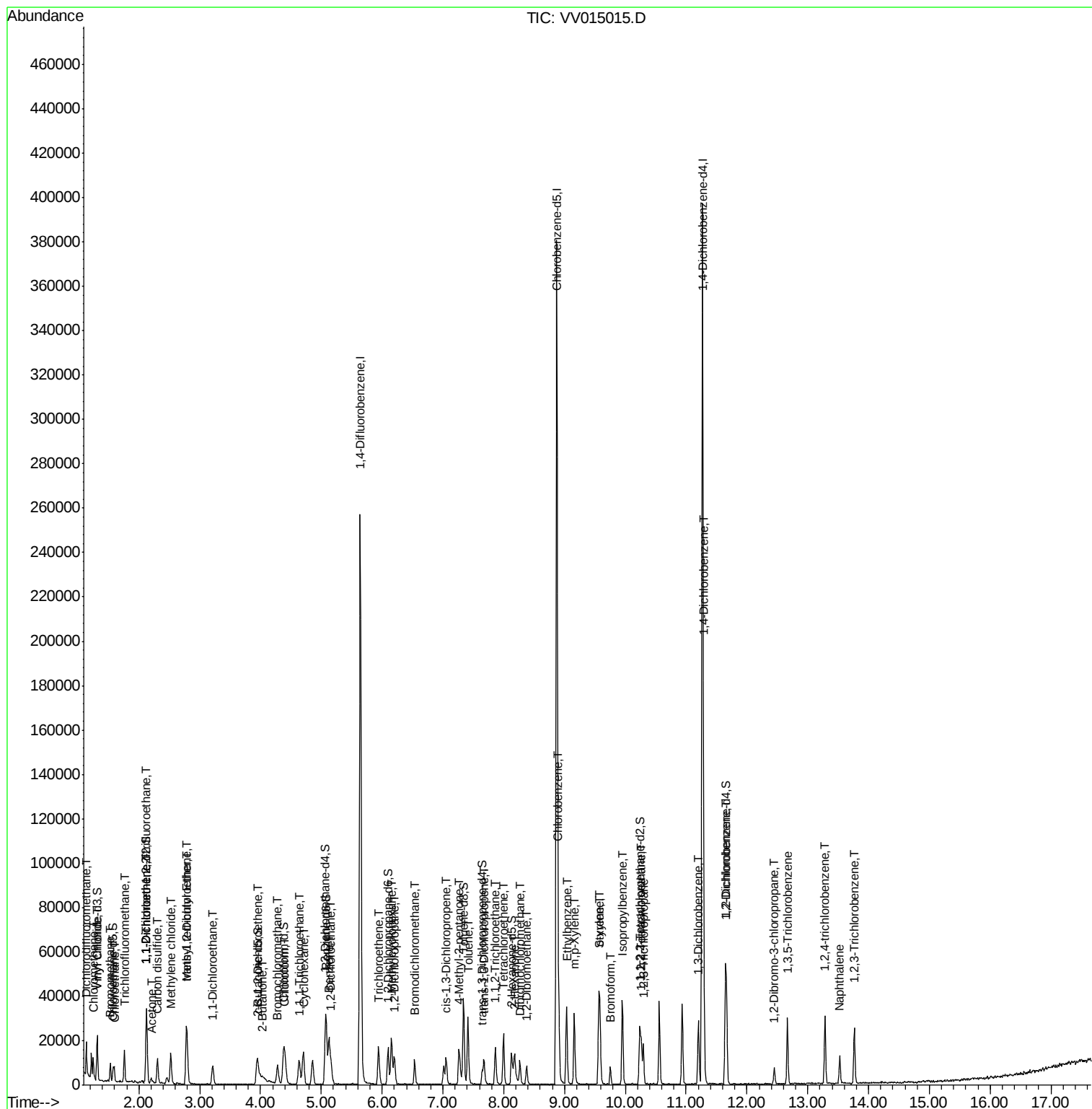
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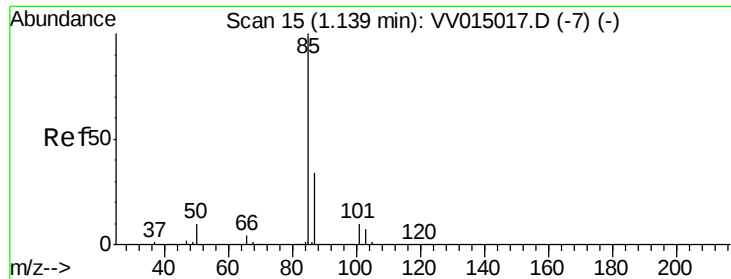
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#2

Dichlorodifluoromethane

Concen: 4.074 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

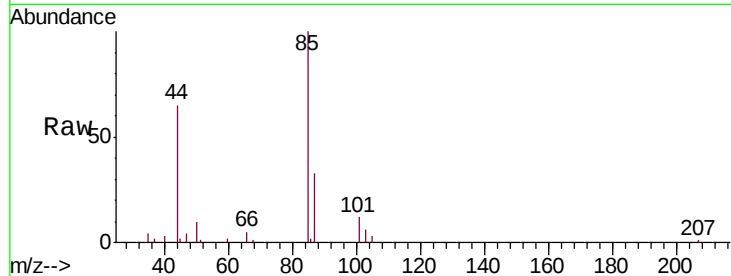
VSTD00564

Tgt Ion: 85 Resp: 8128

Ion Ratio Lower Upper

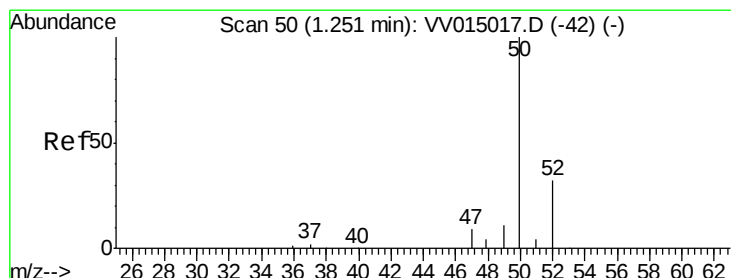
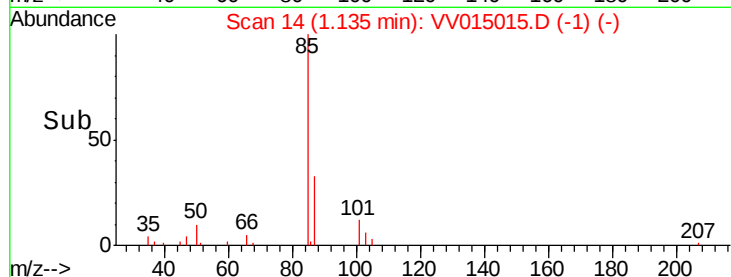
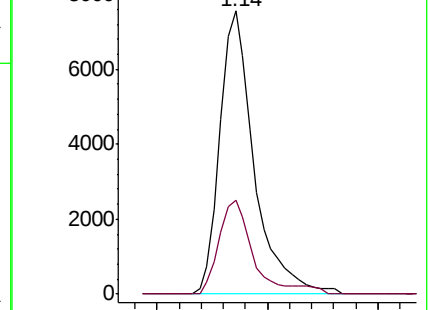
85 100

87 31.6 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.429 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015015.D

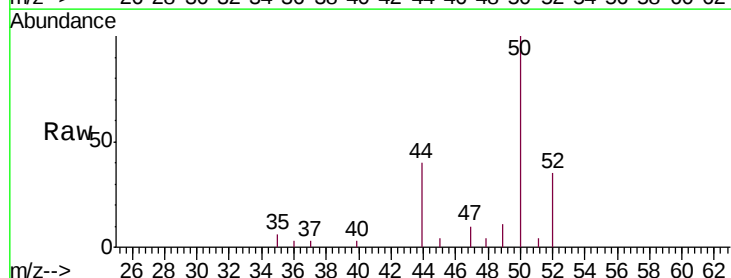
Acq: 18 Mar 2020 13:37

Tgt Ion: 50 Resp: 6007

Ion Ratio Lower Upper

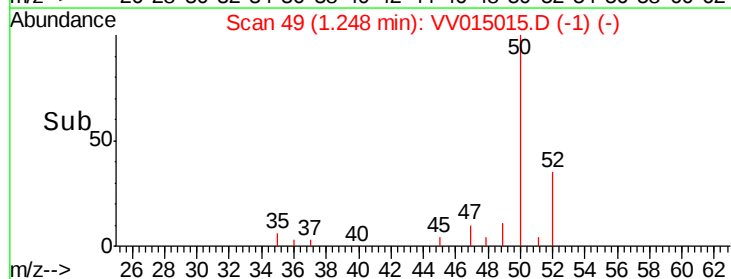
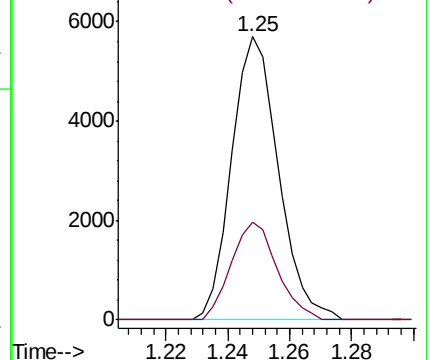
50 100

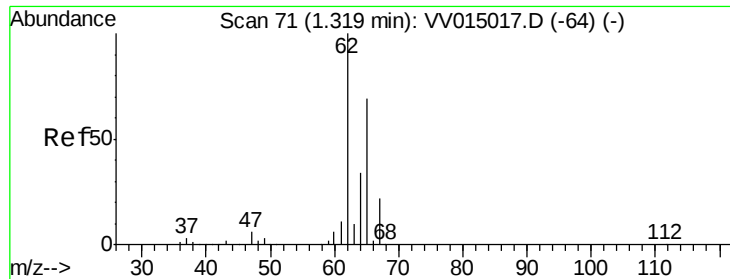
52 34.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 4.335 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

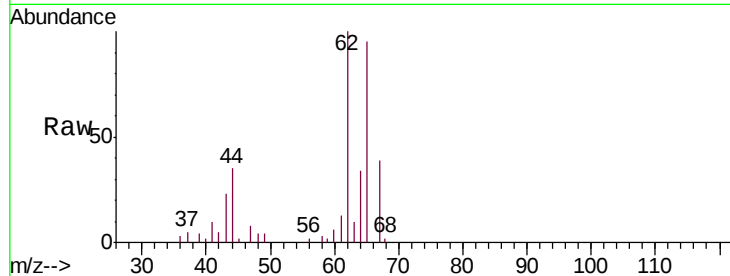
VSTD00564

Tgt Ion: 62 Resp: 5687

Ion Ratio Lower Upper

62 100

64 33.8 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV015017.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV015017.D (-64) (-)

1.32

6000

5000

4000

3000

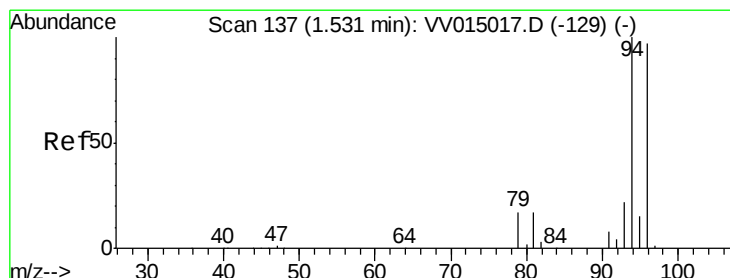
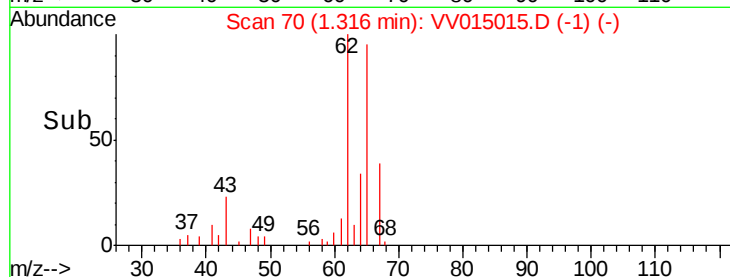
2000

1000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 4.087 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015015.D

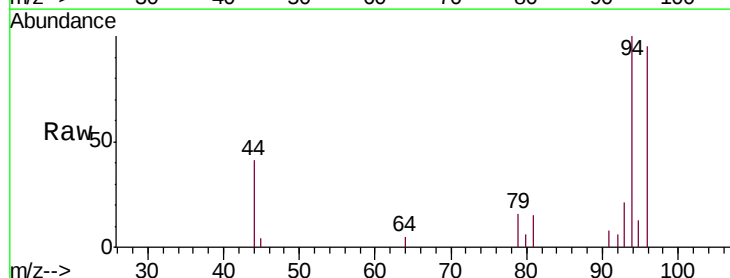
Acq: 18 Mar 2020 13:37

Tgt Ion: 94 Resp: 3479

Ion Ratio Lower Upper

94 100

96 95.2 67.8 126.0



Abundance Ion 94.00 (93.70 to 94.70): VV015017.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV015017.D (-129) (-)

1.53

3000

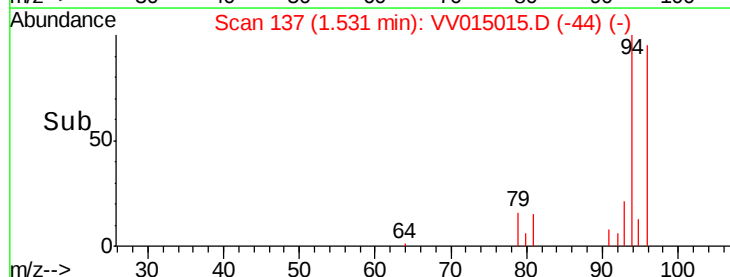
2000

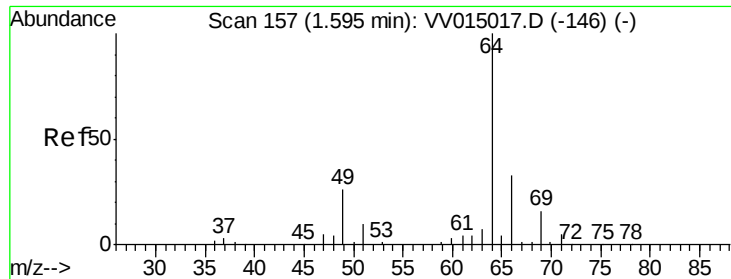
1000

0

1.50 1.52 1.54 1.56

Time-->

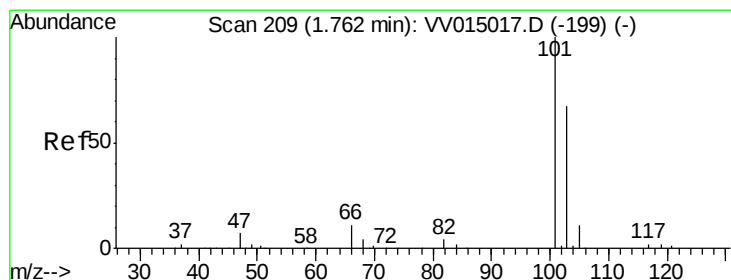
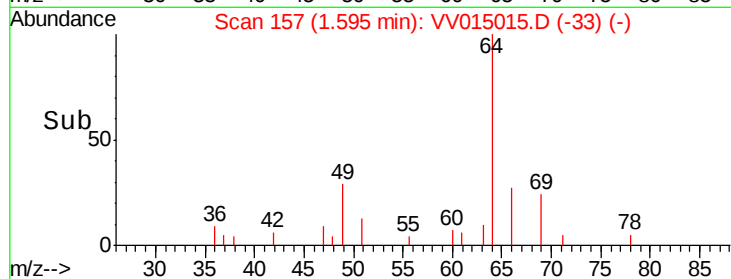
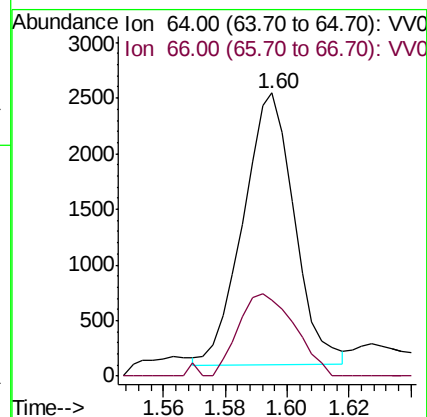
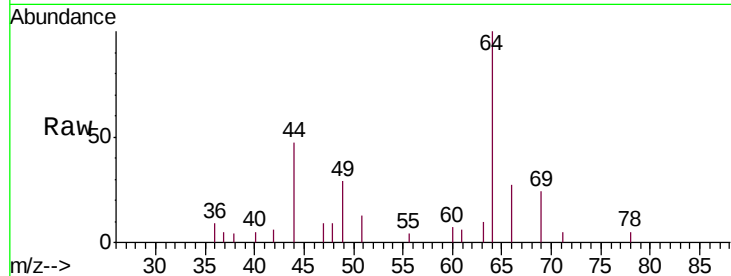




#8
Chloroethane
Concen: 3.974 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

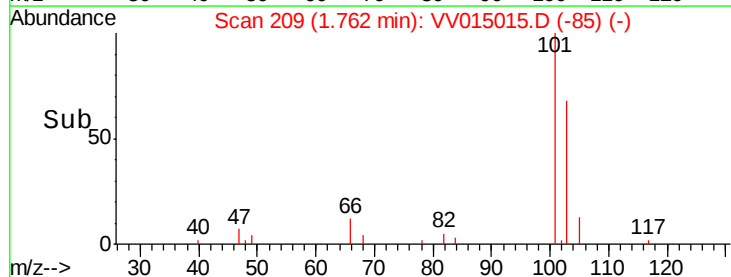
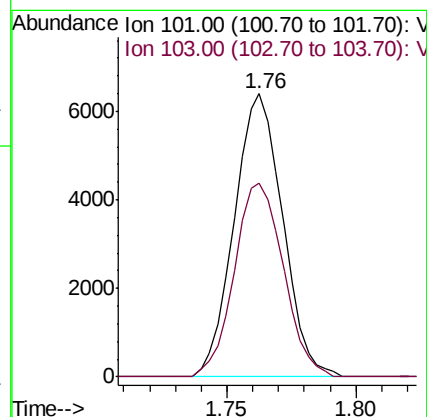
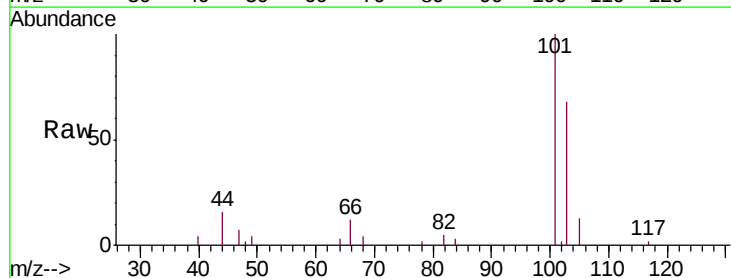
Instrument :
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ClientSampleId :
VSTD00564

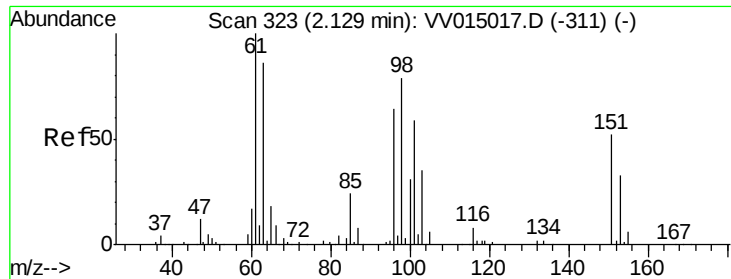
Tgt Ion: 64 Resp: 2809
Ion Ratio Lower Upper
64 100
66 26.9 23.2 43.0



#9
Trichlorofluoromethane
Concen: 3.998 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion: 101 Resp: 8344
Ion Ratio Lower Upper
101 100
103 69.4 53.4 80.2





#10

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

Concen: 4.074 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

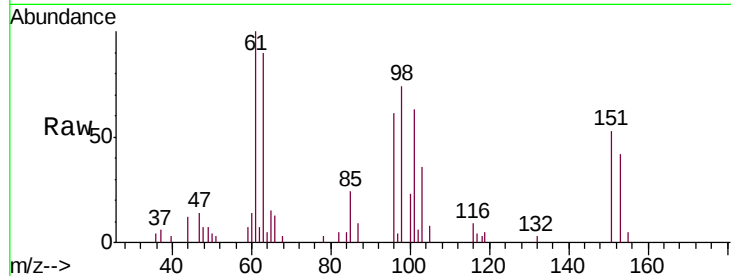
Tgt Ion:101 Resp: 4089

Ion Ratio Lower Upper

101 100

85 41.7 33.2 49.8

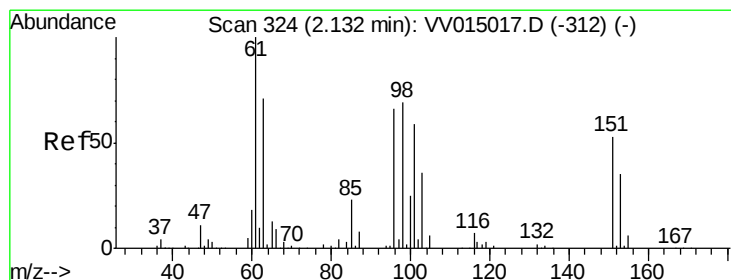
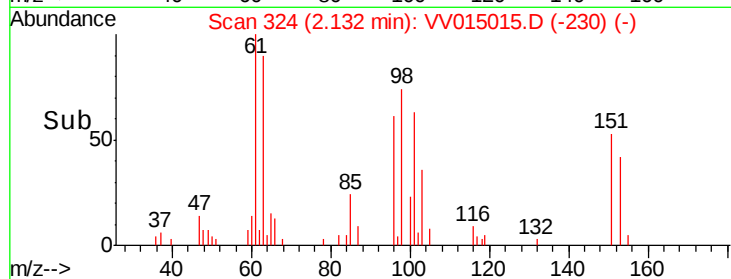
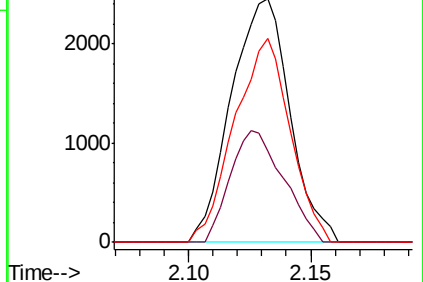
151 79.4 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): VV015017.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV015017.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV015017.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 3.841 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

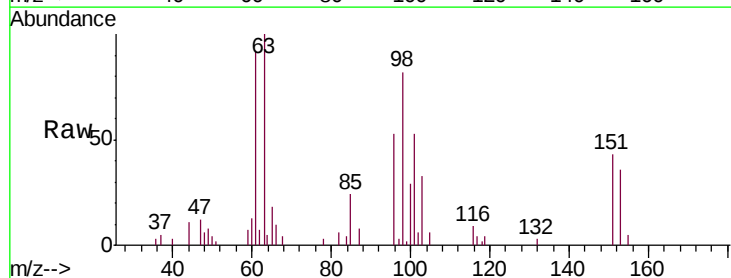
Tgt Ion: 96 Resp: 3648

Ion Ratio Lower Upper

96 100

61 173.2 105.6 196.2

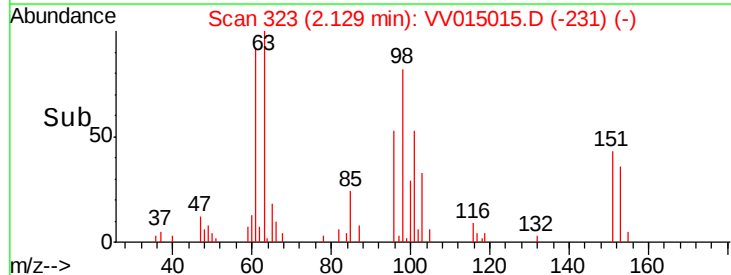
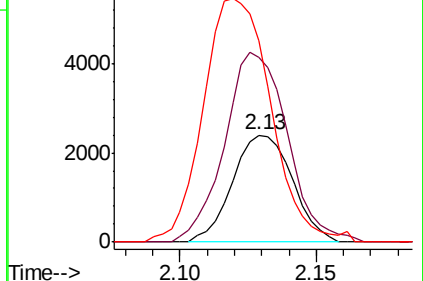
63 187.7 75.9 140.9#

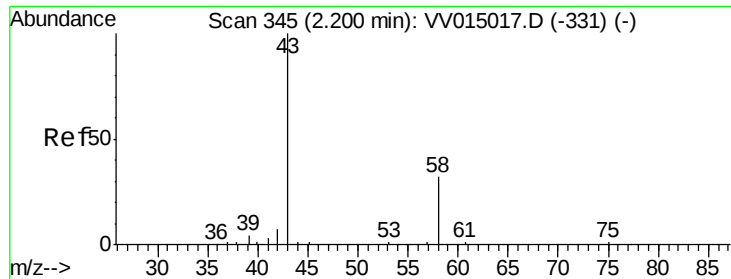


Abundance Ion 96.00 (95.70 to 96.70): VV015015.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV015015.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV015015.D (-230) (-)





#13

Acetone

Concen: 4.059 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

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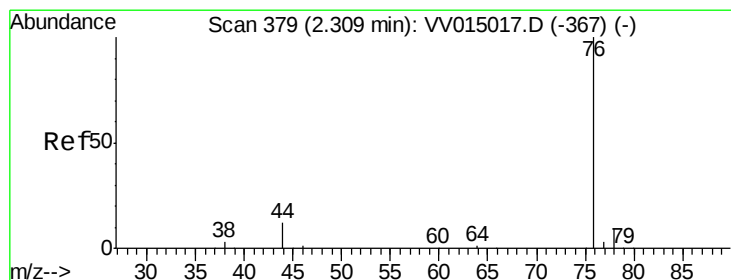
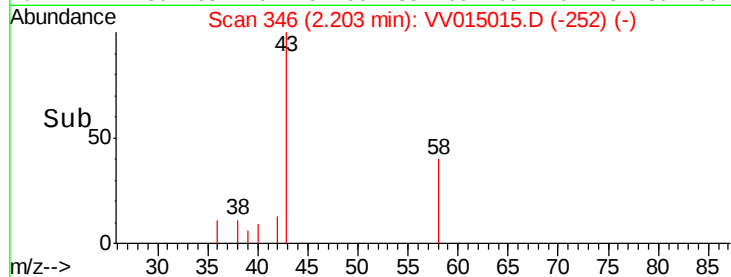
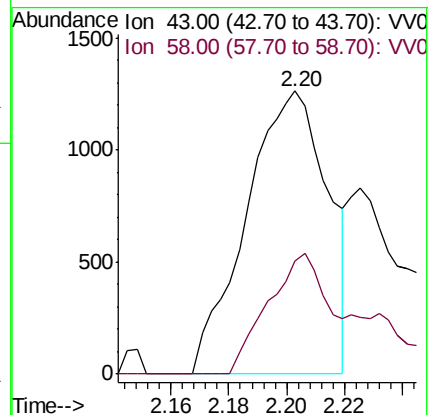
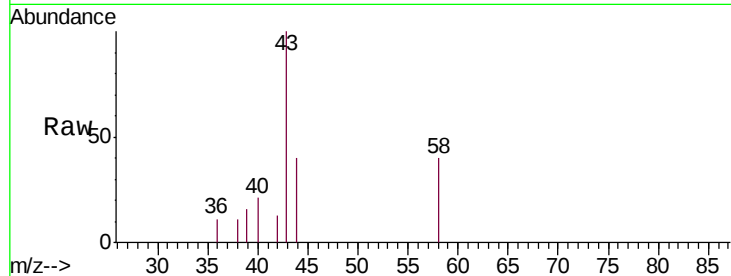
VSTD00564

Tgt Ion: 43 Resp: 2463

Ion Ratio Lower Upper

43 100

58 31.3 0.0 43.2



#14

Carbon disulfide

Concen: 3.984 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV015015.D

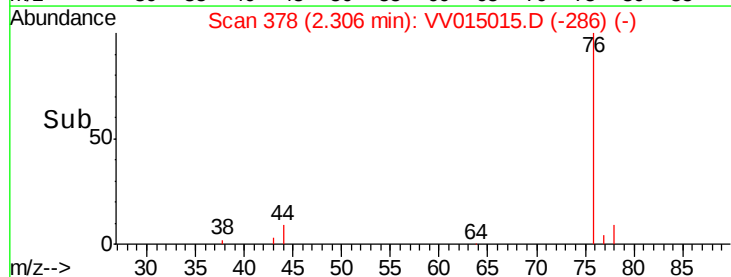
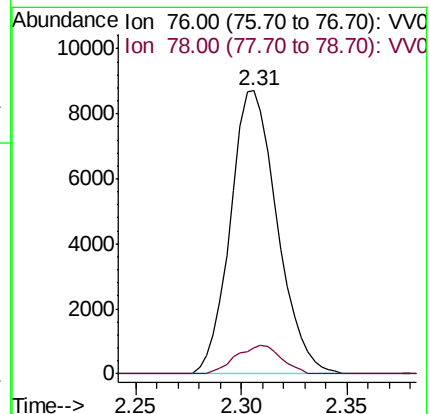
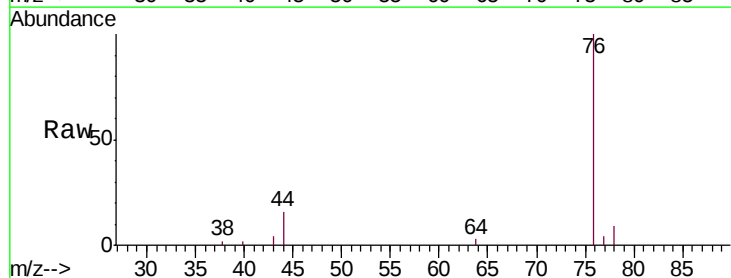
Acq: 18 Mar 2020 13:37

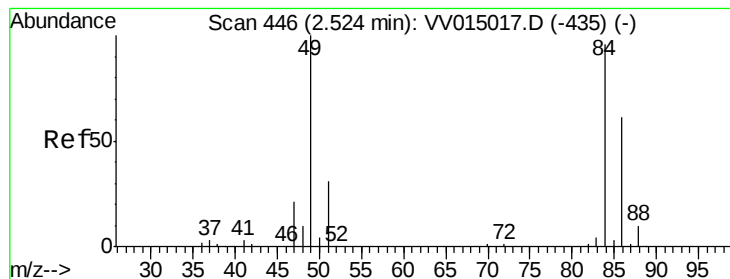
Tgt Ion: 76 Resp: 13410

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#16

Methylene chloride

Concen: 4.340 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

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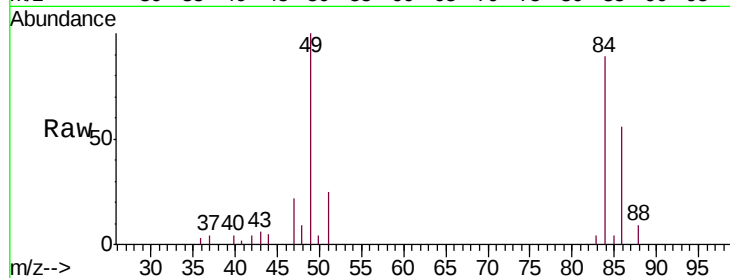
Tgt Ion: 84 Resp: 6533

Ion Ratio Lower Upper

84 100

86 62.6 44.5 82.7

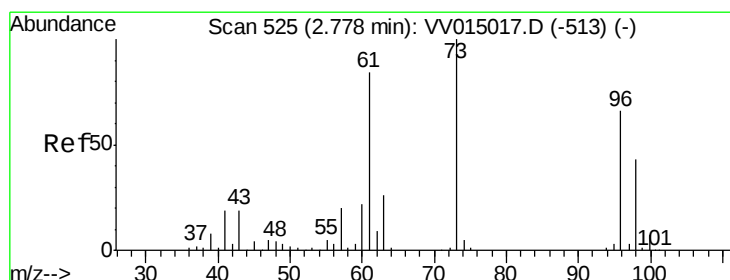
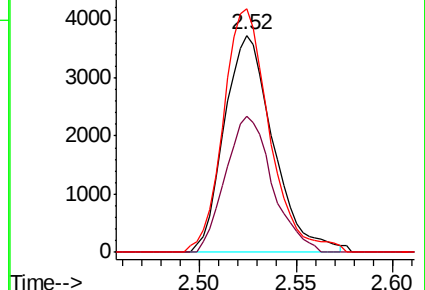
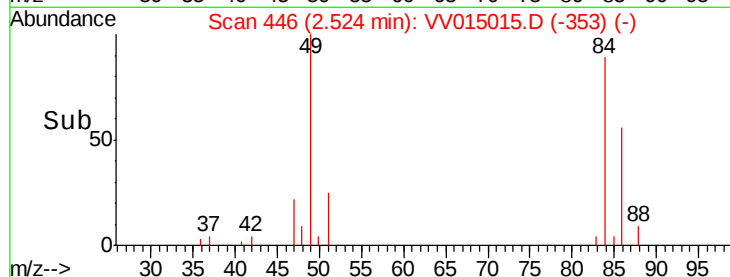
49 112.3 72.9 135.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 4.053 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

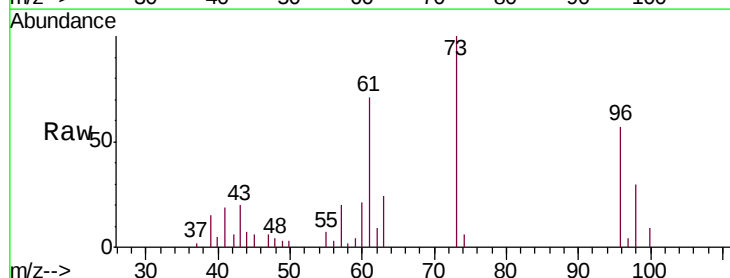
Tgt Ion: 96 Resp: 5778

Ion Ratio Lower Upper

96 100

61 123.7 89.0 165.4

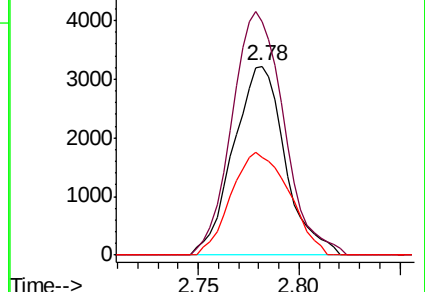
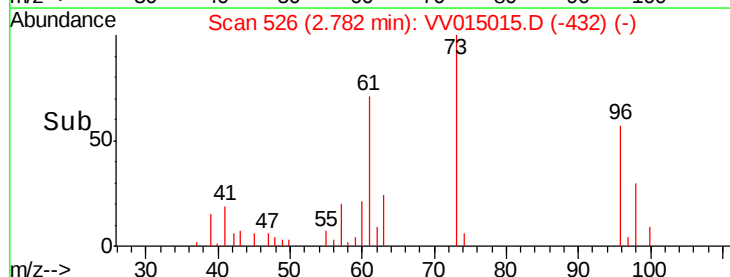
98 51.9 44.8 83.2

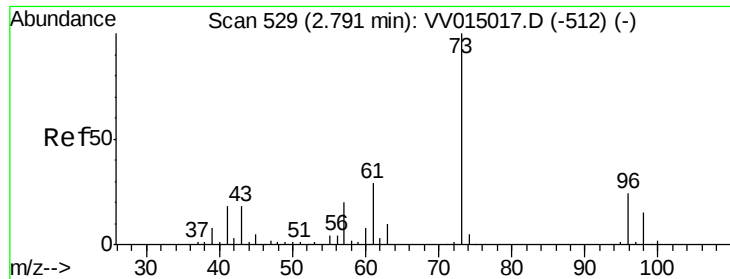


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

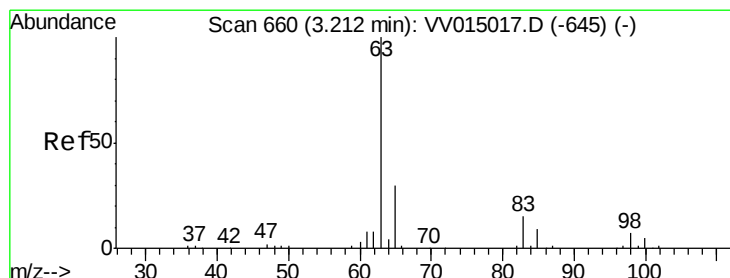
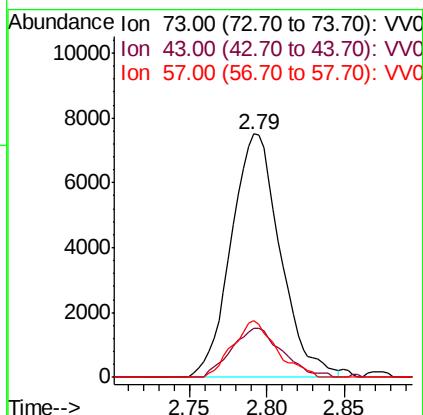
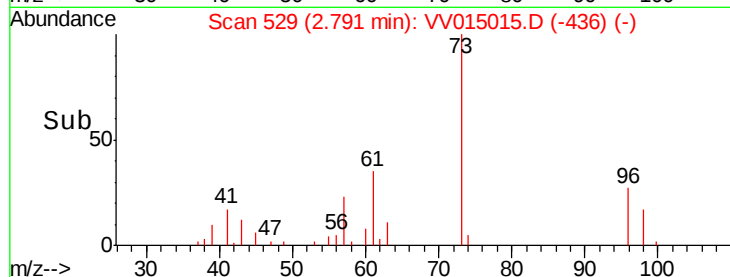
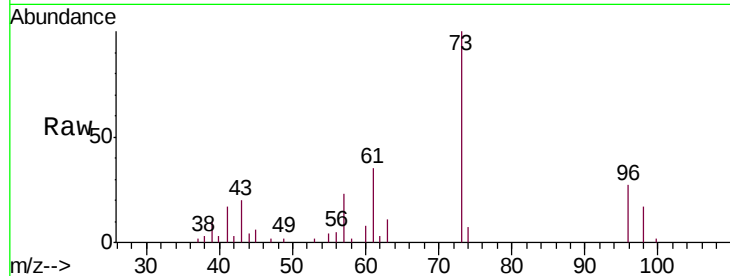




#18
Methyl tert-butyl Ether
Concen: 3.769 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

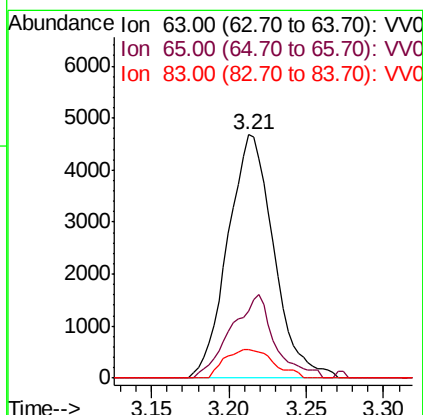
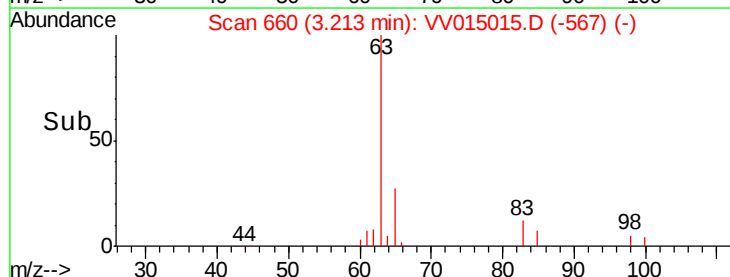
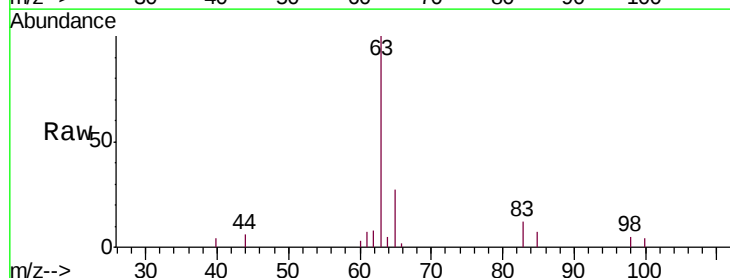
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

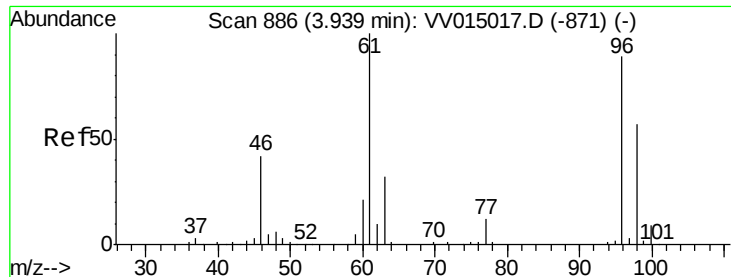
Tgt Ion: 73 Resp: 16542
Ion Ratio Lower Upper
73 100
43 20.4 14.4 21.6
57 20.8 16.0 24.0



#19
1,1-Dichloroethane
Concen: 3.940 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion: 63 Resp: 9651
Ion Ratio Lower Upper
63 100
65 27.4 21.0 39.0
83 11.9 10.3 19.1





#20

cis-1,2-Dichloroethene

Concen: 2.881 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

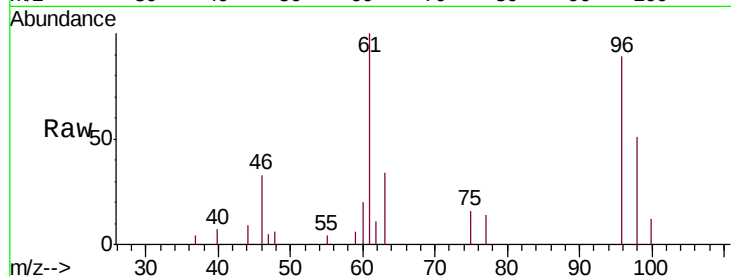
Tgt Ion: 96 Resp: 4591

Ion Ratio Lower Upper

96 100

61 111.9 78.3 145.3

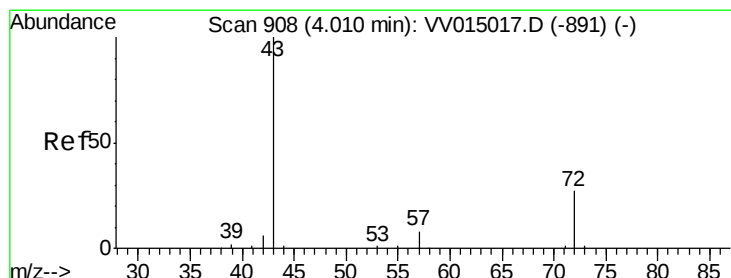
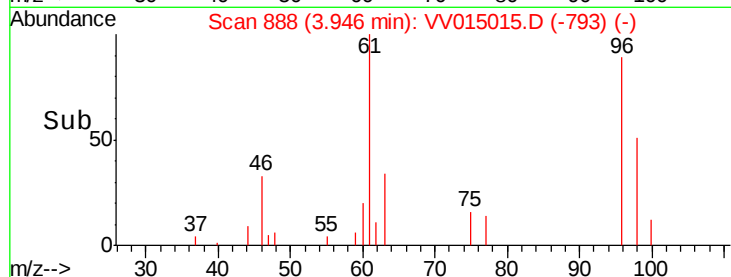
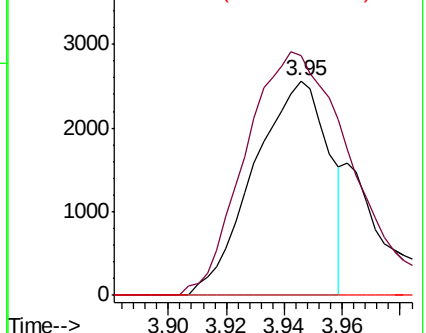
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#22

2-Butanone

Concen: 1.611 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV015015.D

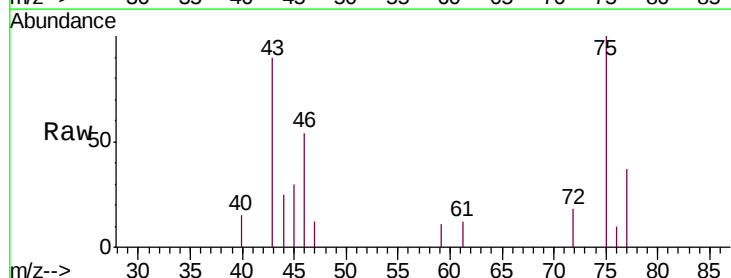
Acq: 18 Mar 2020 13:37

Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

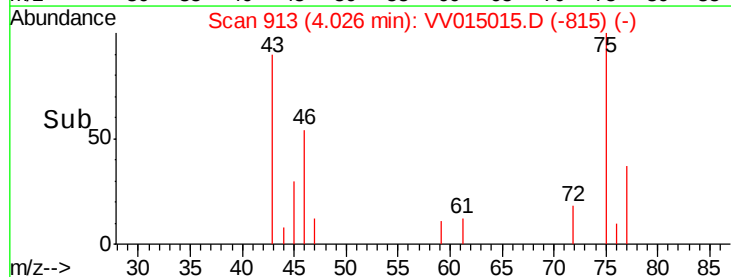
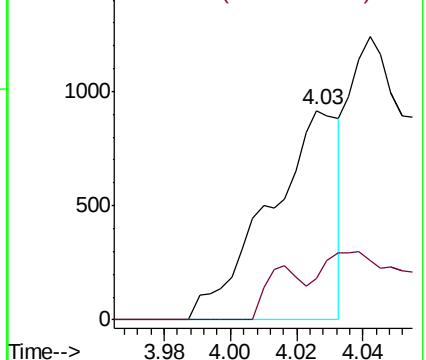
43 100

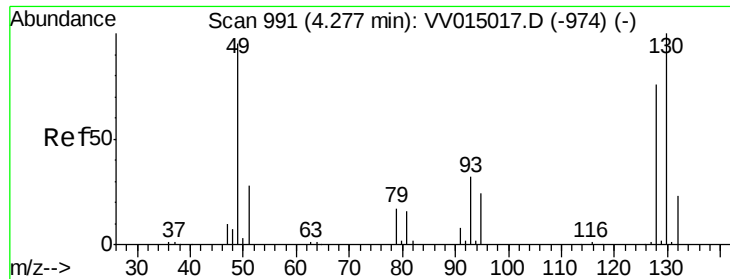
72 13.4 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

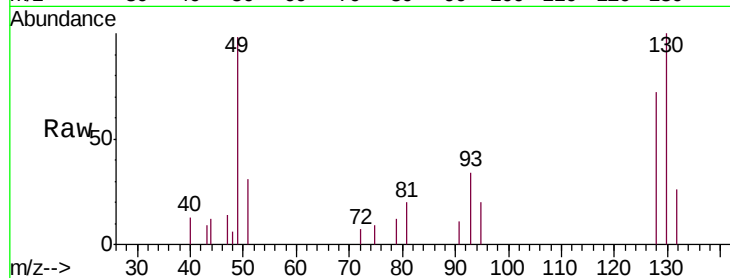




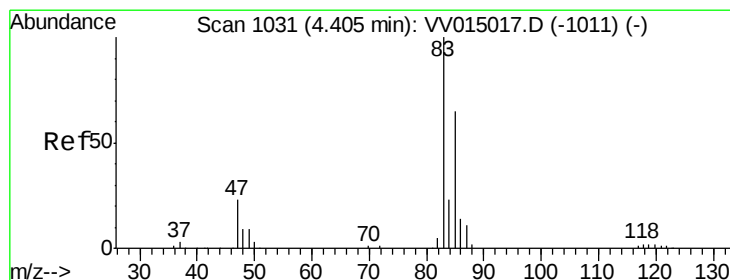
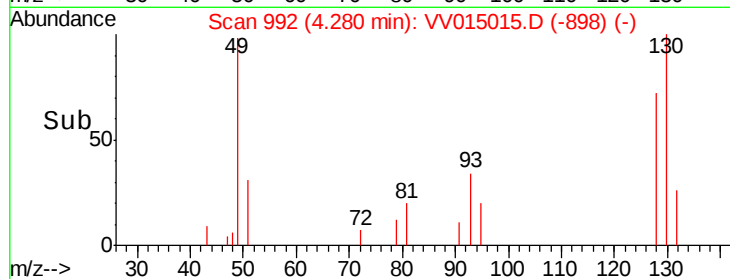
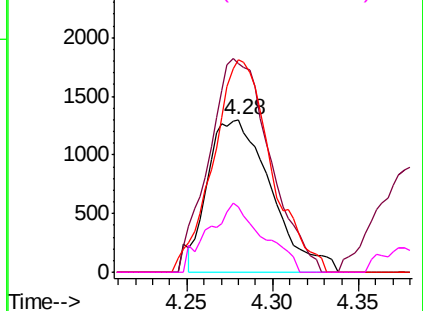
#23
 Bromochloromethane
 Concen: 3.817 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion: 128 Resp: 3306
 Ion Ratio Lower Upper
 128 100
 49 136.5 87.9 163.3
 130 139.2 92.5 171.9
 51 43.2 29.7 44.5

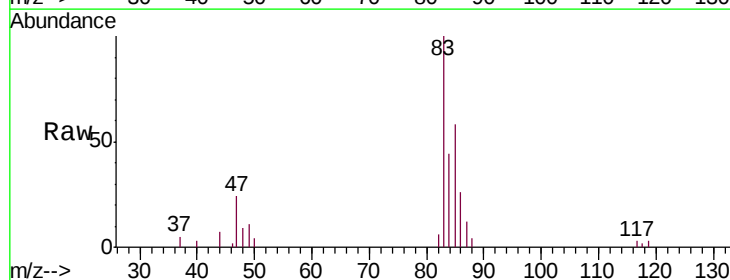


Abundance Ion 128.00 (127.70 to 128.70): VV015015.D (-998) (-)
 Ion 49.00 (48.70 to 49.70): VV015015.D (-998) (-)
 Ion 130.00 (129.70 to 130.70): VV015015.D (-998) (-)
 Ion 51.00 (50.70 to 51.70): VV015015.D (-998) (-)

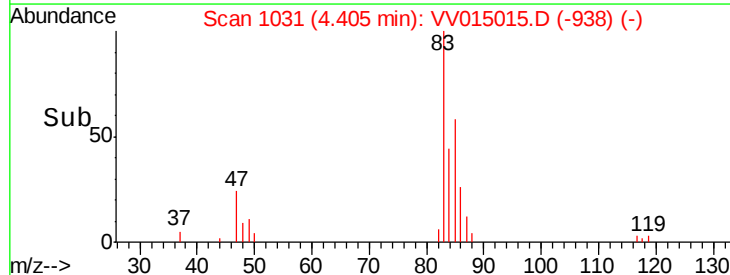
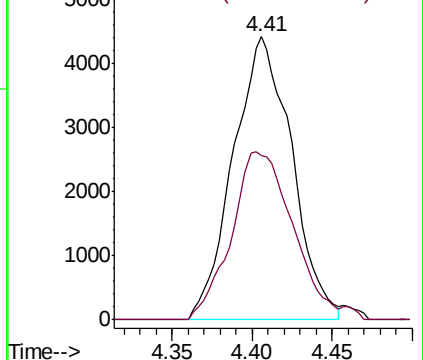


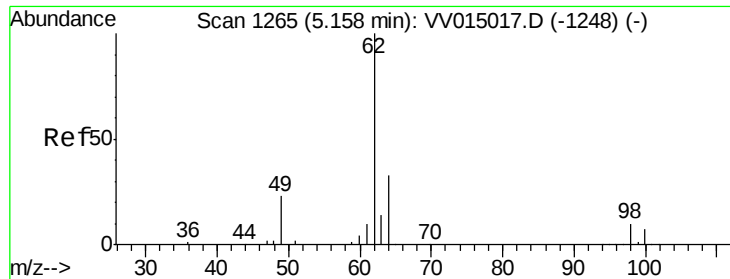
#25
 Chloroform
 Concen: 4.055 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion: 83 Resp: 11109
 Ion Ratio Lower Upper
 83 100
 85 58.1 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV015015.D (-938) (-)
 Ion 85.00 (84.70 to 85.70): VV015015.D (-938) (-)





#27

1,2-Dichloroethane

Concen: 3.898 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

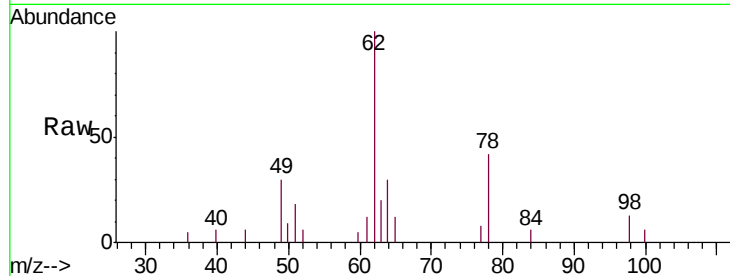
VSTD00564

Tgt Ion: 62 Resp: 7976

Ion Ratio Lower Upper

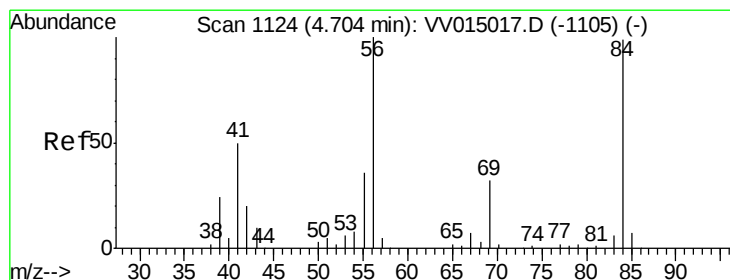
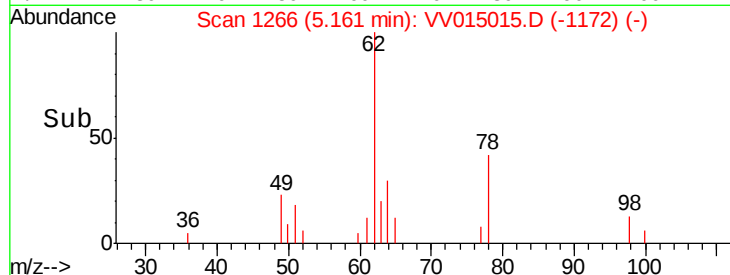
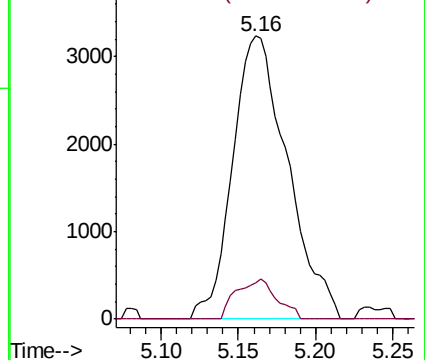
62 100

98 12.9 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VV015017.D (-1248) (-)

Ion 98.00 (97.70 to 98.70): VV015017.D (-1248) (-)



#29

Cyclohexane

Concen: 4.002 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

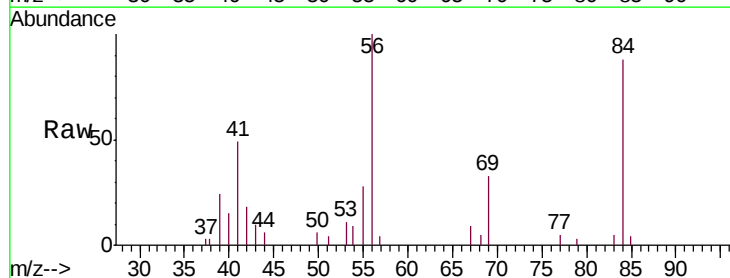
Tgt Ion: 56 Resp: 8038

Ion Ratio Lower Upper

56 100

69 16.5 25.8 38.6#

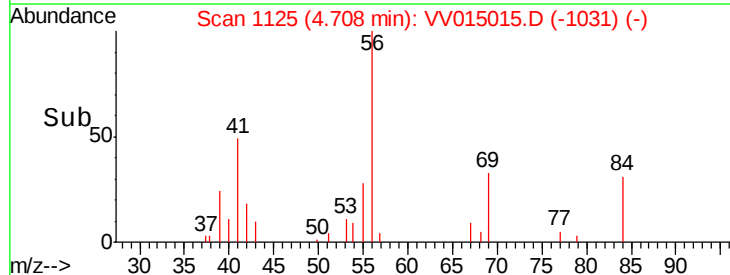
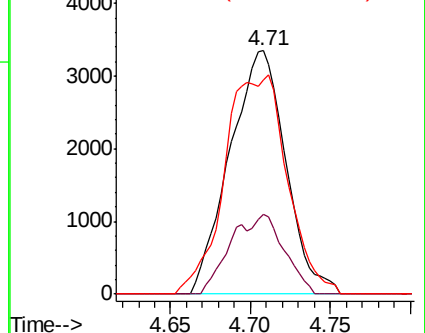
84 6.3 80.0 120.0#

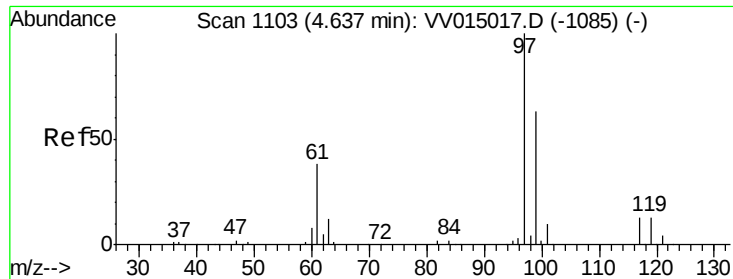


Abundance Ion 56.00 (55.70 to 56.70): VV015017.D (-1105) (-)

Ion 69.00 (68.70 to 69.70): VV015017.D (-1105) (-)

Ion 84.00 (83.70 to 84.70): VV015017.D (-1105) (-)

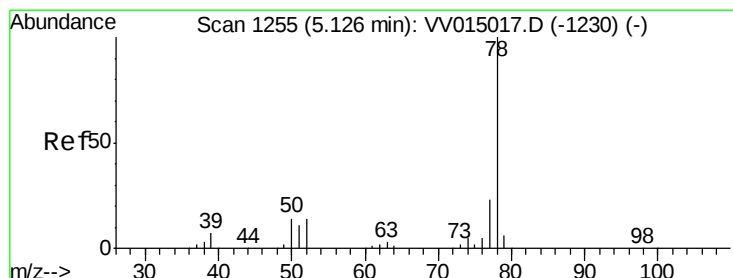
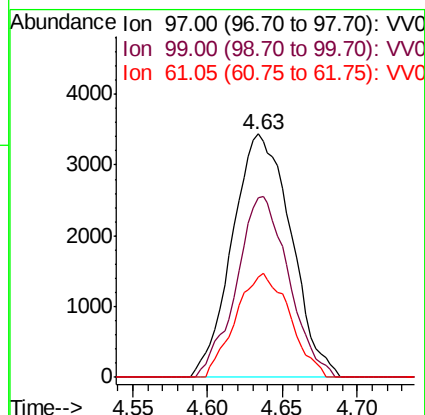
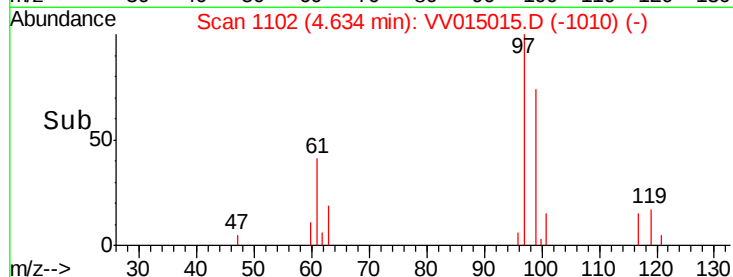
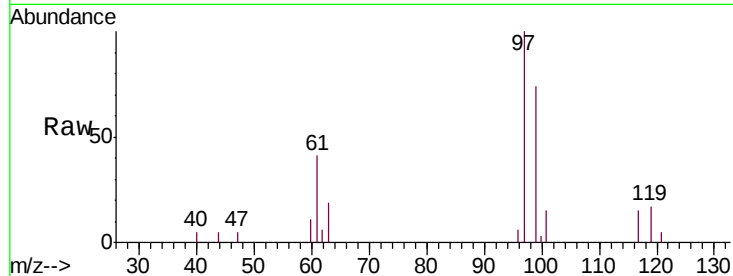




#30
 1,1,1-Trichloroethane
 Concen: 3.884 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

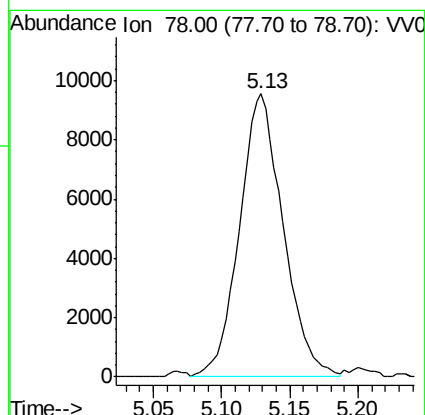
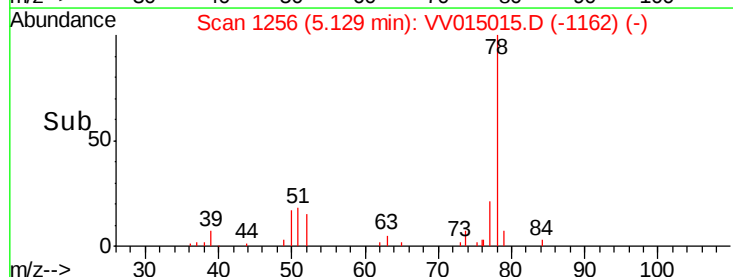
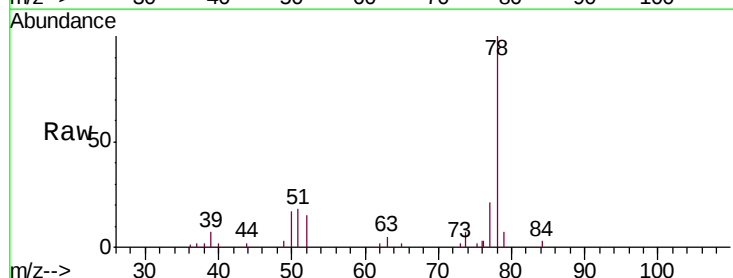
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

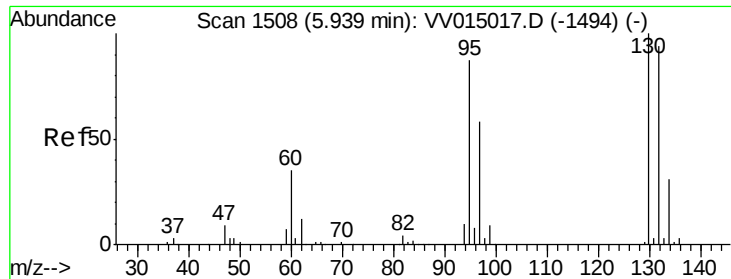
Tgt Ion: 97 Resp: 9374
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.1 76.7
 61 39.4 30.5 45.7



#33
 Benzene
 Concen: 3.873 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion: 78 Resp: 21209





#34

Trichloroethene

Concen: 4.081 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 6054

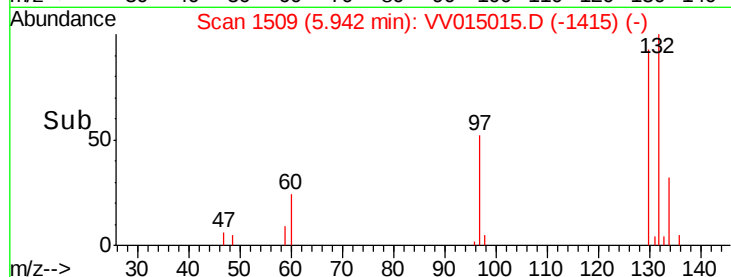
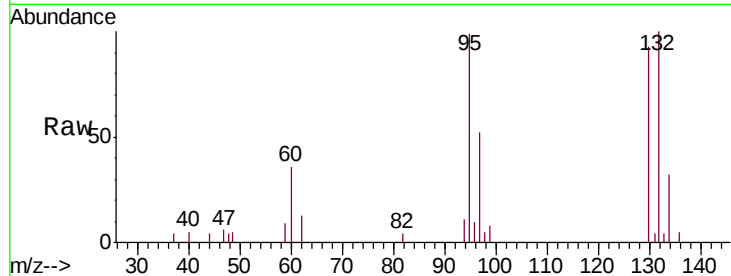
Ion Ratio Lower Upper

95 100

97 52.0 46.8 87.0

132 100.7 76.2 141.4

130 94.0 80.8 150.2

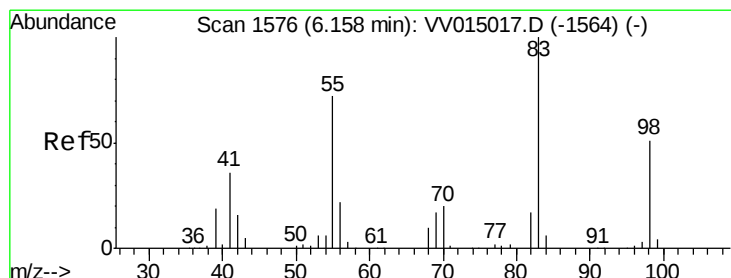
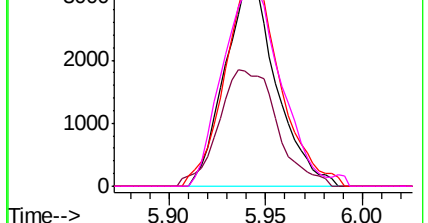


Abundance Ion 95.00 (94.70 to 95.70): VV015017.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV015015.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV015015.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV015017.D (-1494) (-)



#35

Methylcyclohexane

Concen: 3.901 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

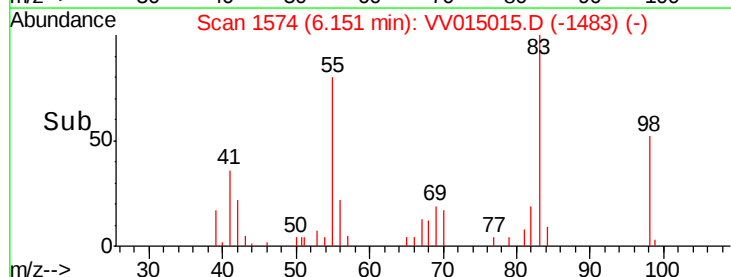
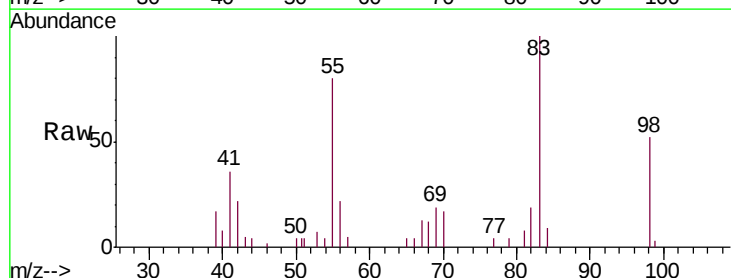
Tgt Ion: 83 Resp: 9183

Ion Ratio Lower Upper

83 100

55 72.9 55.4 83.0

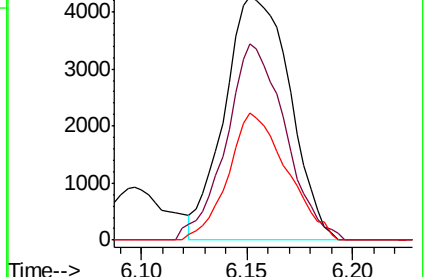
98 46.9 40.6 61.0

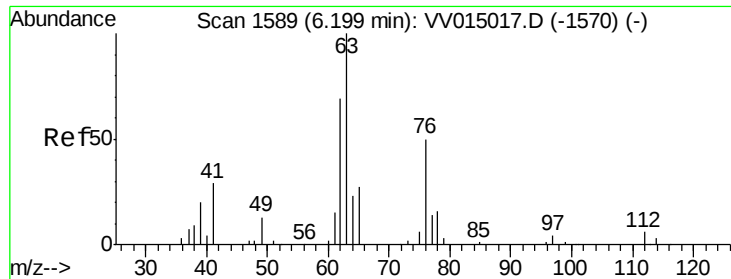


Abundance Ion 83.00 (82.70 to 83.70): VV015017.D (-1564) (-)

Ion 55.00 (54.70 to 55.70): VV015015.D (-1483) (-)

Ion 98.00 (97.70 to 98.70): VV015015.D (-1483) (-)

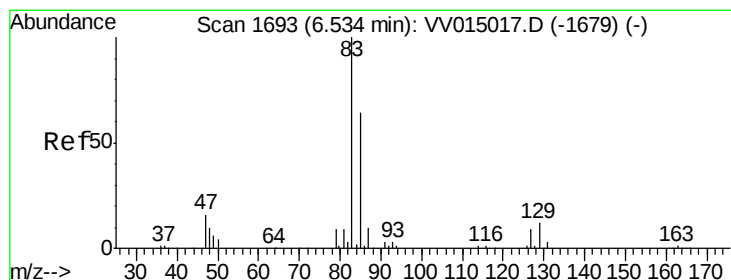
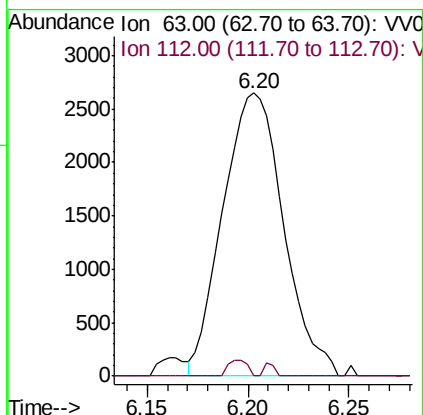
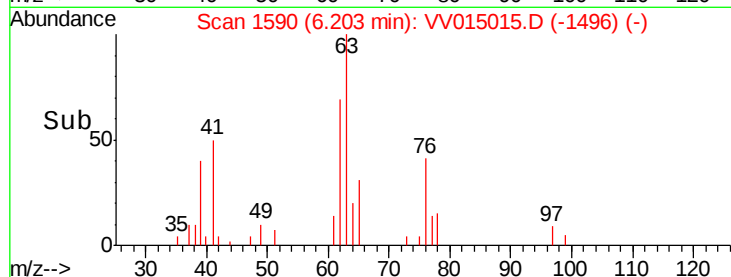
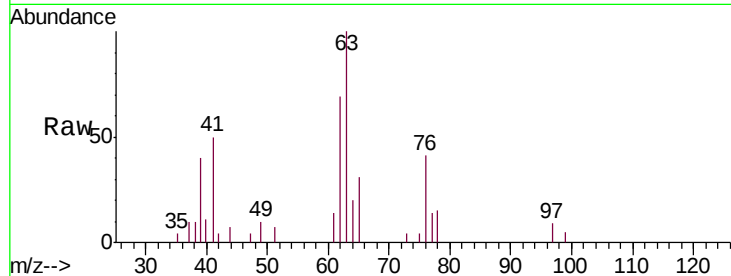




#37
 1,2-Dichloropropane
 Concen: 4.206 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

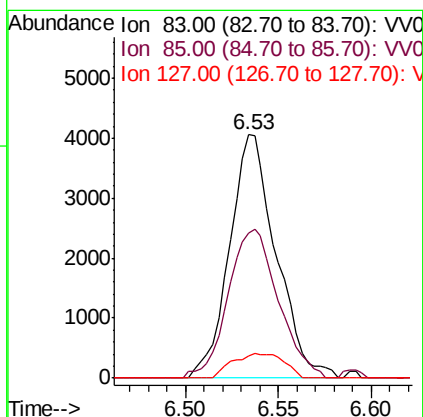
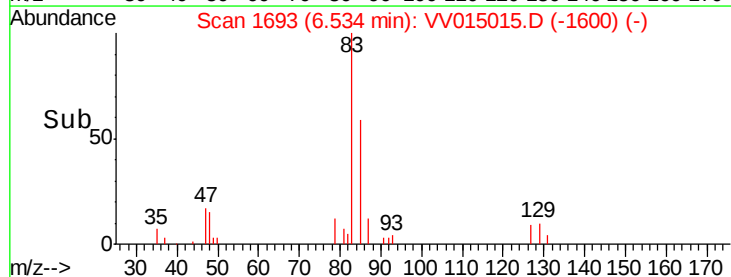
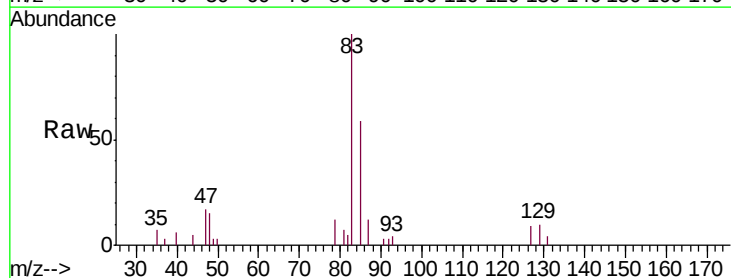
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

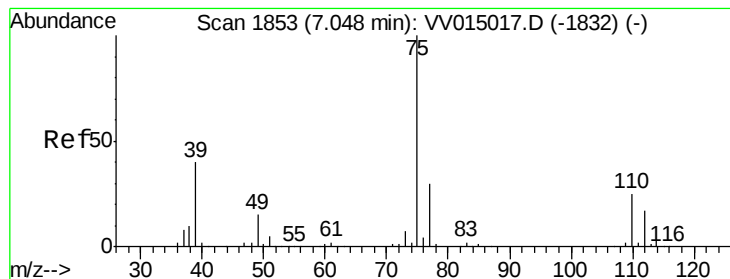
Tgt Ion: 63 Resp: 5570
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.4 6.6#



#38
 Bromodichloromethane
 Concen: 3.665 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion: 83 Resp: 7079
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.6 82.8
 127 9.0 7.4 11.2



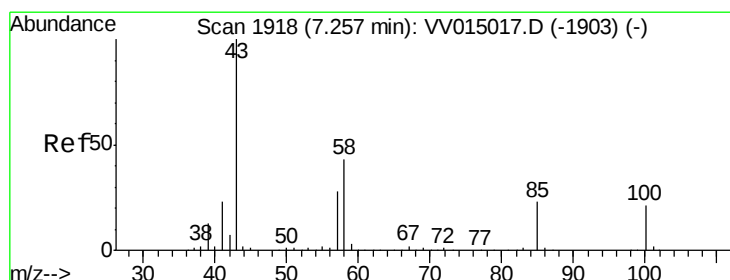
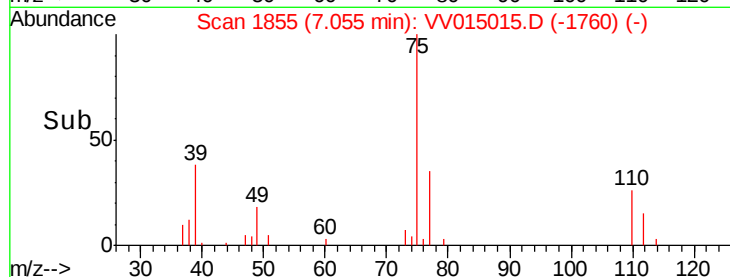
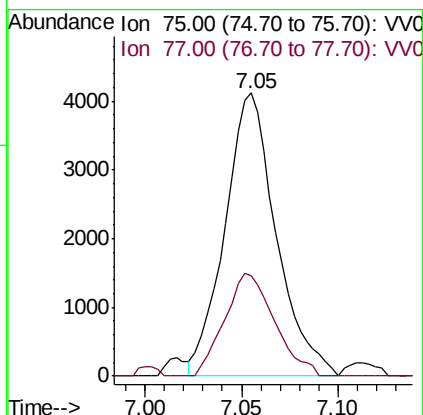
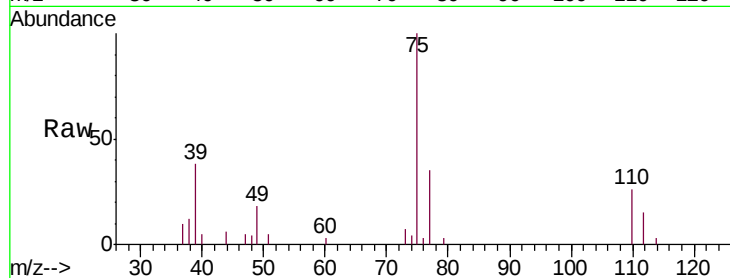


#39

cis-1,3-Dichloropropene
Concen: 3.425 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

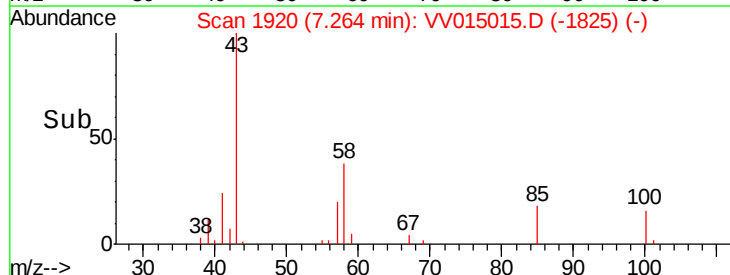
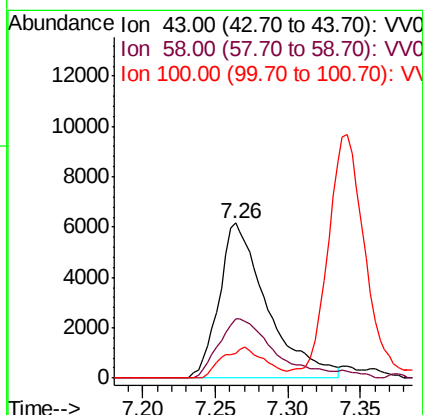
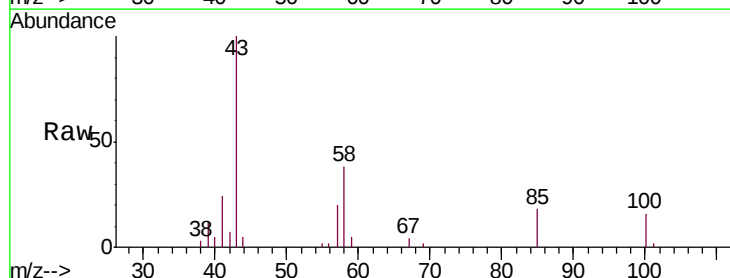
Tgt Ion: 75 Resp: 7595
Ion Ratio Lower Upper
75 100
77 35.4 21.1 39.3

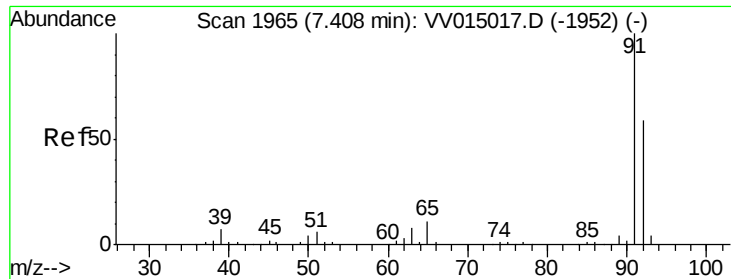


#40

4-Methyl-2-pentanone
Concen: 7.736 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion: 43 Resp: 14193
Ion Ratio Lower Upper
43 100
58 43.7 34.5 51.7
100 17.8 15.7 23.5





#42

Toluene

Concen: 3.790 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

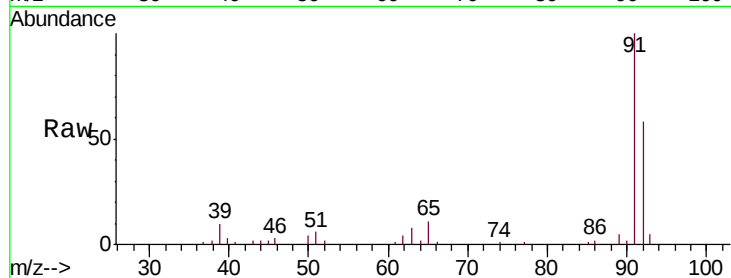
VSTD00564

Tgt Ion: 91 Resp: 23467

Ion Ratio Lower Upper

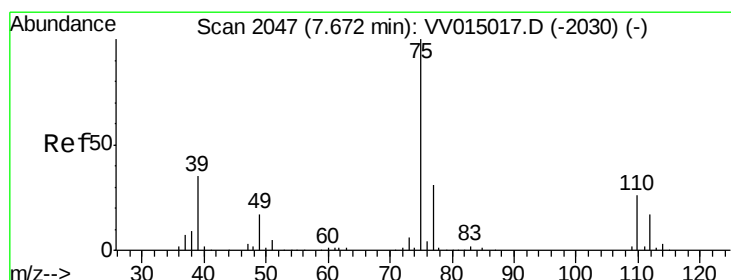
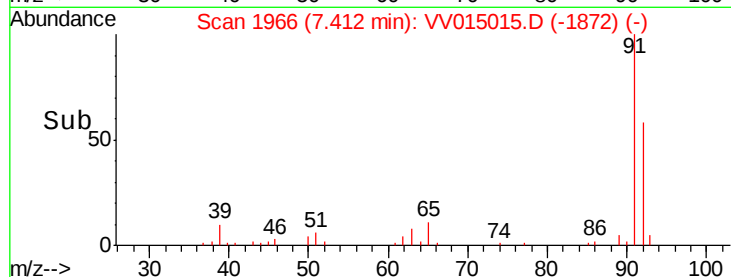
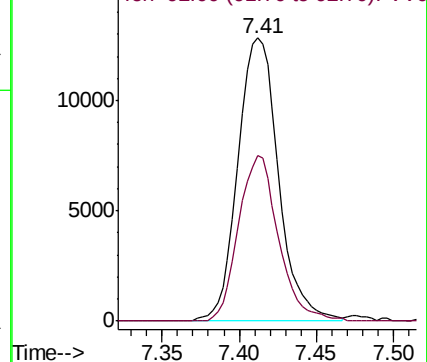
91 100

92 58.4 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV015015.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV015015.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 3.432 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015015.D

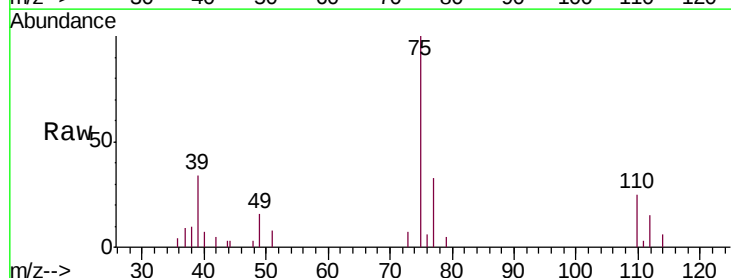
Acq: 18 Mar 2020 13:37

Tgt Ion: 75 Resp: 6895

Ion Ratio Lower Upper

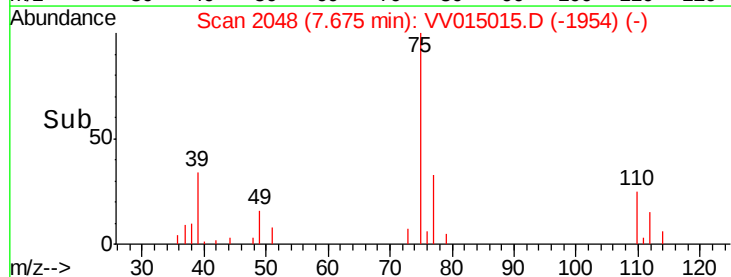
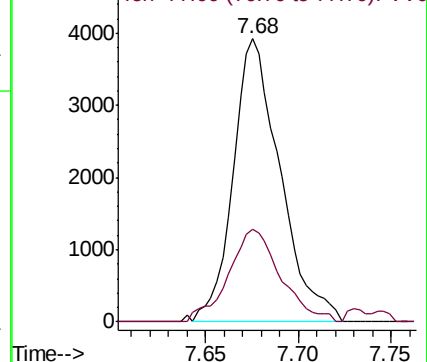
75 100

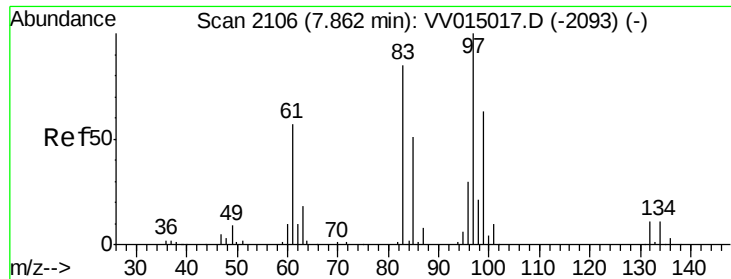
77 32.7 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV015015.D (-1954) (-)

Ion 77.00 (76.70 to 77.70): VV015015.D (-1954) (-)

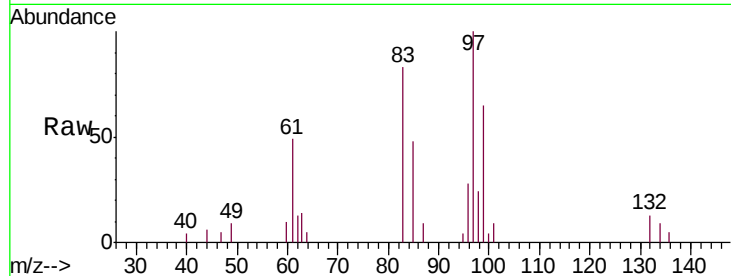




#45
 1,1,2-Trichloroethane
 Concen: 3.965 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	5725
Ion	Ratio	Lower	Upper
97	100		
99	65.4	44.3	82.3
83	82.7	59.5	110.5
85	47.7	35.7	66.3



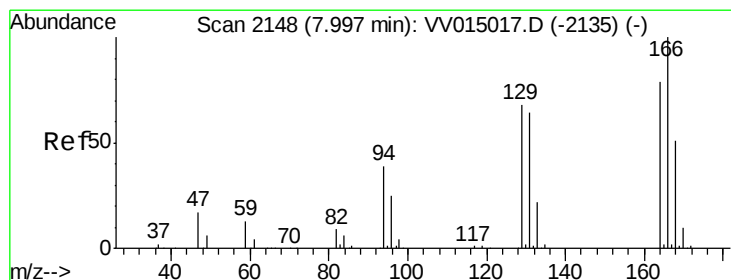
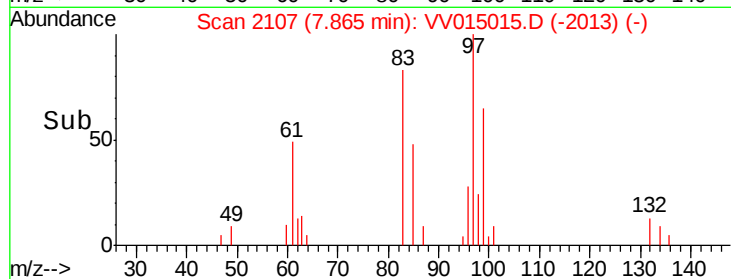
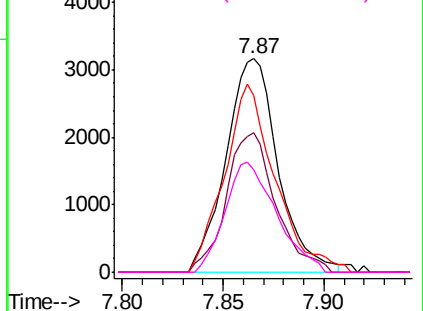
Abundance

Ion 97.00 (96.70 to 97.70): VV015015.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV015015.D (-2093) (-)

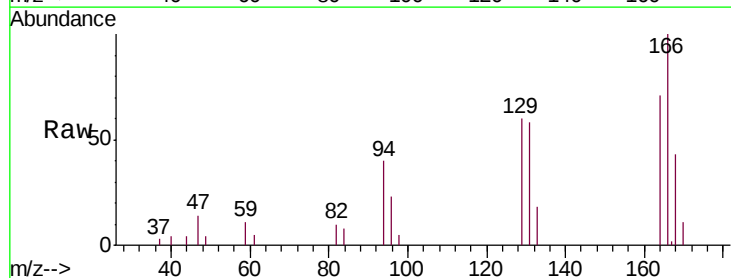
Ion 83.00 (82.70 to 83.70): VV015015.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV015015.D (-2093) (-)



#46
 Tetrachloroethene
 Concen: 3.920 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion:	164	Resp:	5522
Ion	Ratio	Lower	Upper
164	100		
129	84.5	60.4	112.2
131	82.4	57.0	105.8
166	141.3	88.5	164.3



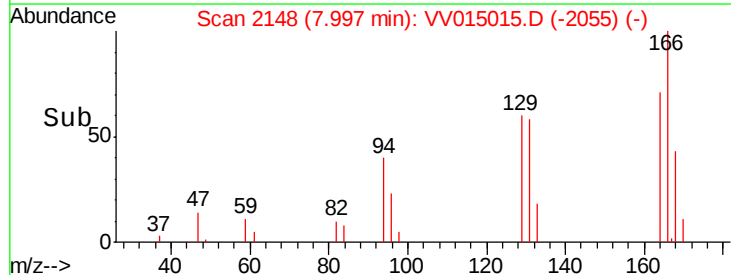
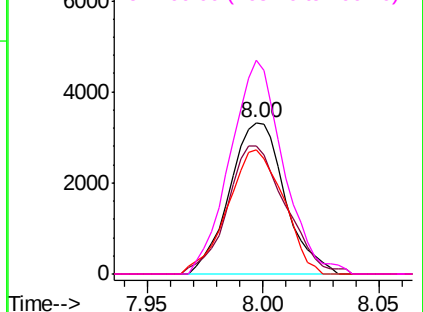
Abundance

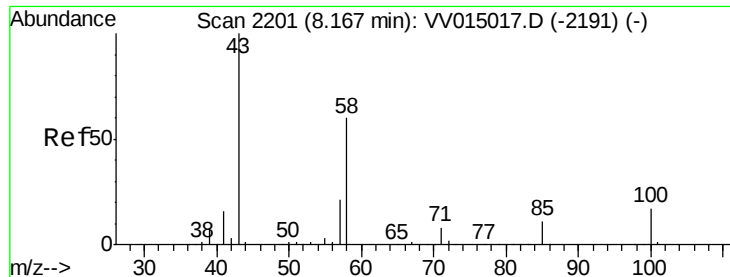
Ion 164.00 (163.70 to 164.70): VV015015.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV015015.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV015015.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV015015.D (-2135) (-)

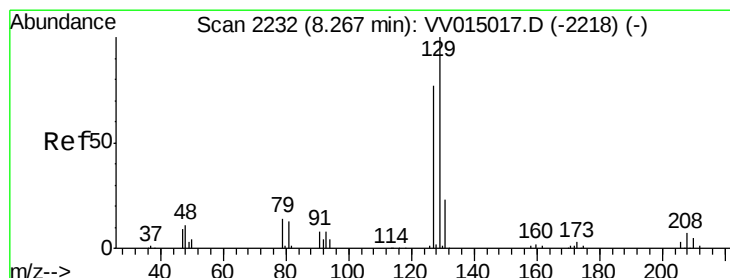
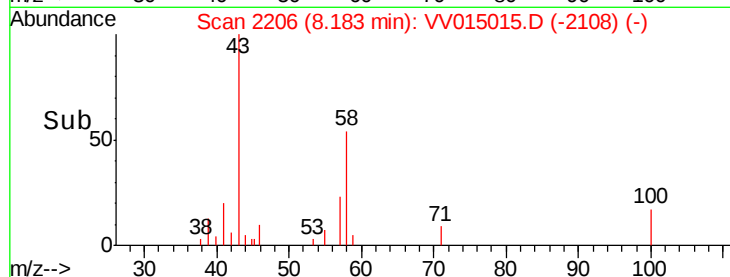
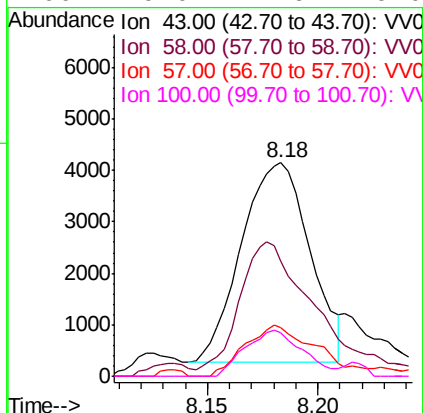
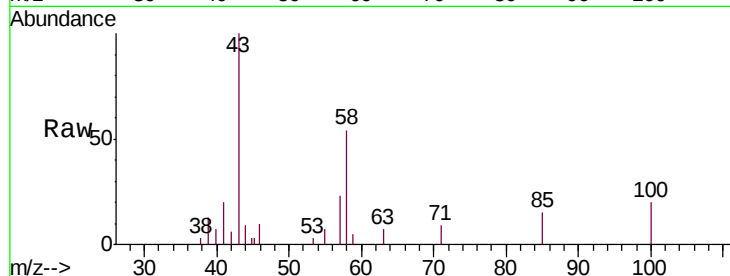




#48
2-Hexanone
Concen: 6.110 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.02 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

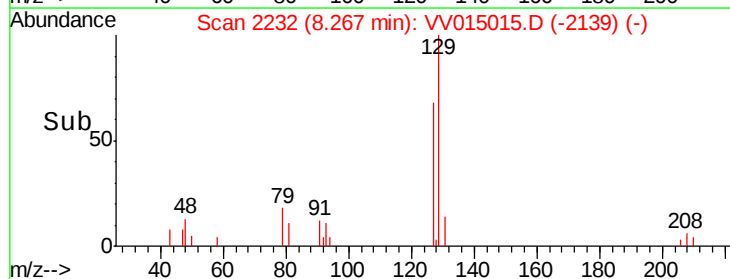
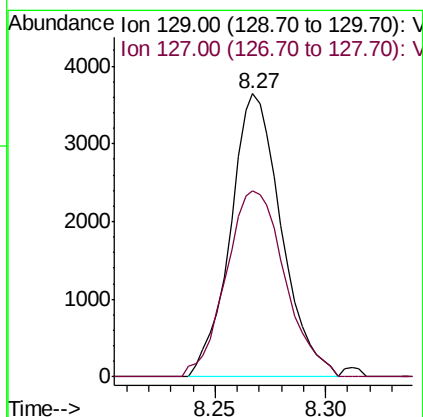
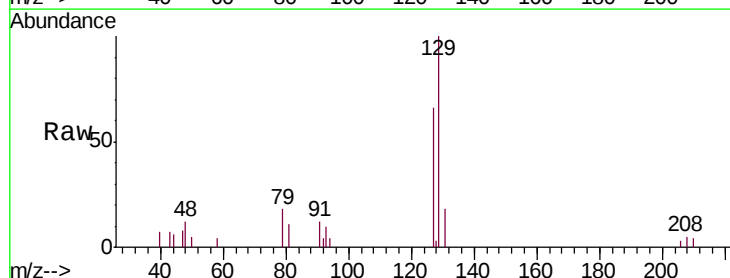
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

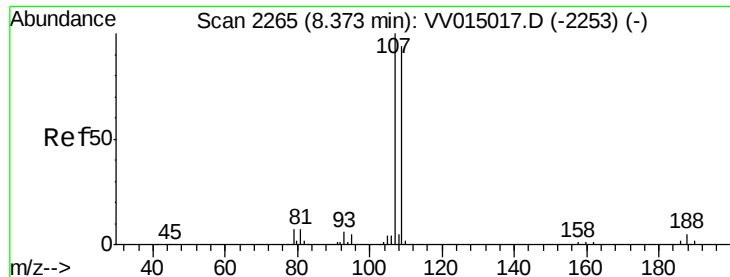
Tgt Ion: 43 Resp: 8373
Ion Ratio Lower Upper
43 100
58 68.8 48.2 72.2
57 25.2 15.8 23.6#
100 19.0 12.6 19.0#



#49
Dibromochloromethane
Concen: 3.490 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion: 129 Resp: 5856
Ion Ratio Lower Upper
129 100
127 65.6 53.8 99.8

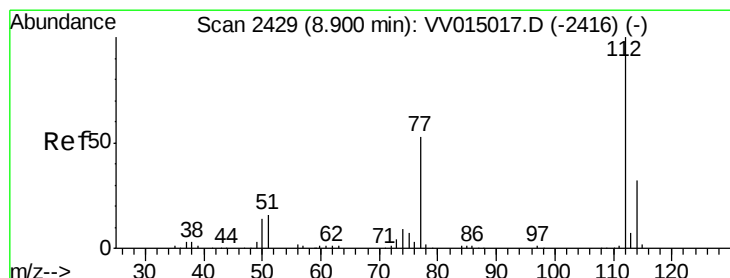
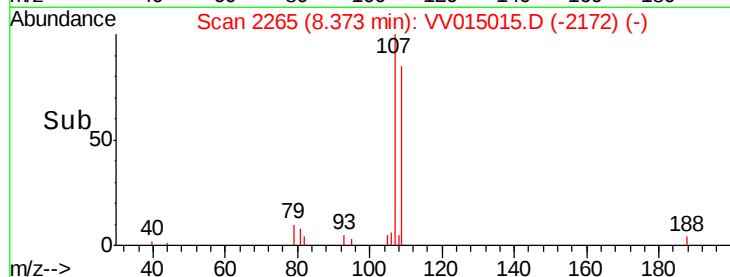
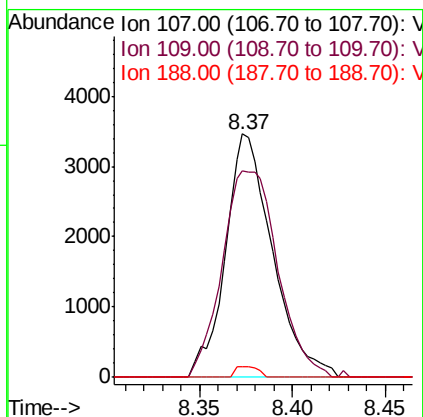
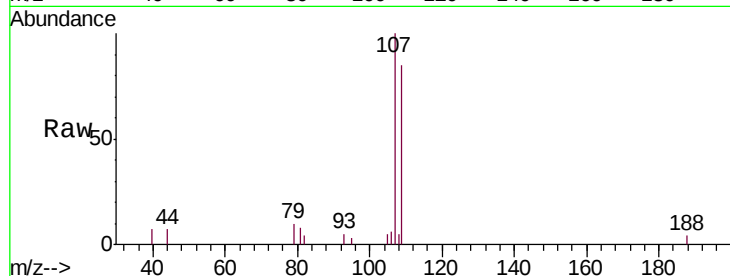




#50
1,2-Dibromoethane
Concen: 3.796 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

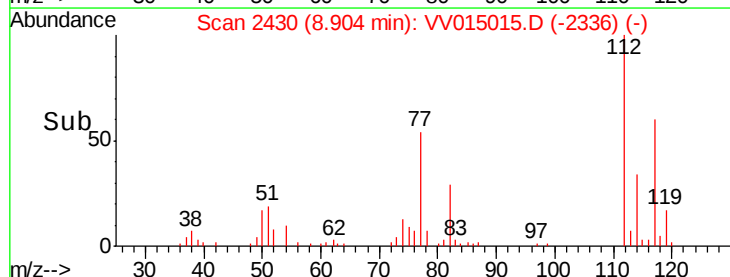
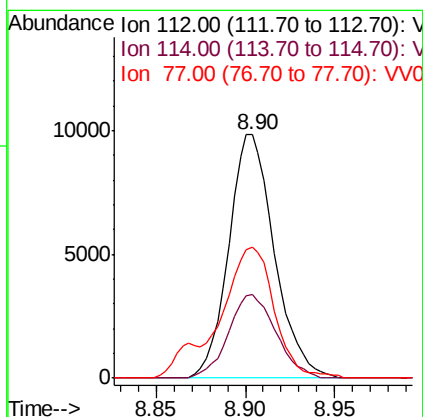
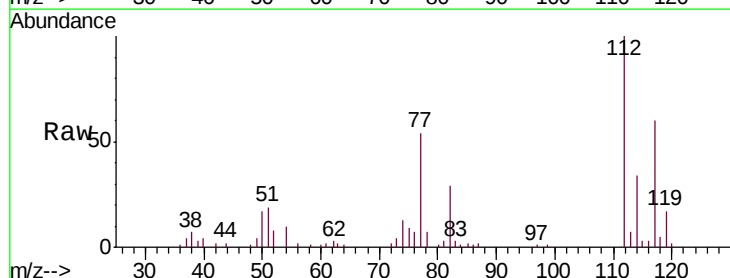
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

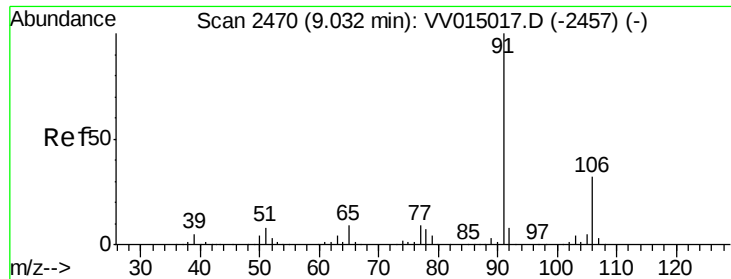
Tgt Ion:107 Resp: 6117
Ion Ratio Lower Upper
107 100
109 84.8 66.0 122.6
188 4.4 3.9 5.9



#51
Chlorobenzene
Concen: 4.033 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion:112 Resp: 17557
Ion Ratio Lower Upper
112 100
114 34.1 22.4 41.6
77 53.7 42.9 64.3

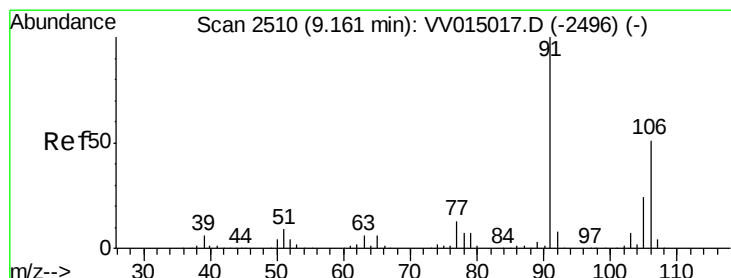
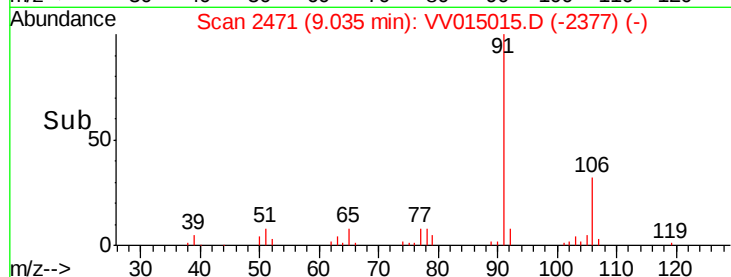
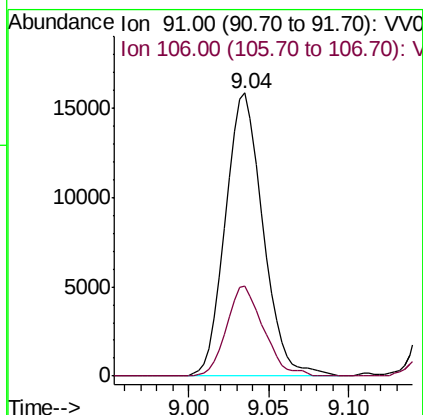
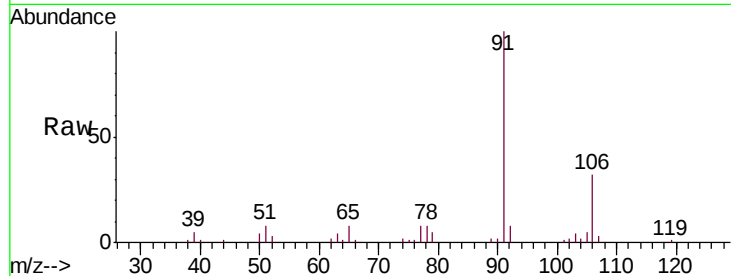




#52
Ethylbenzene
Concen: 3.623 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

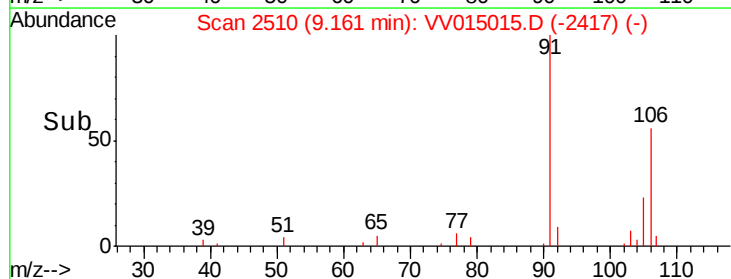
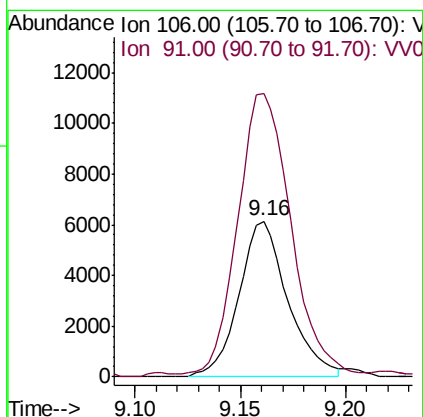
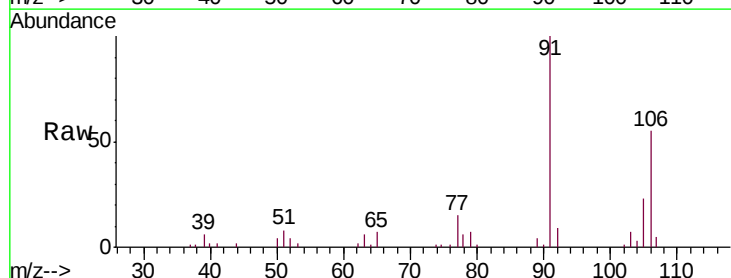
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

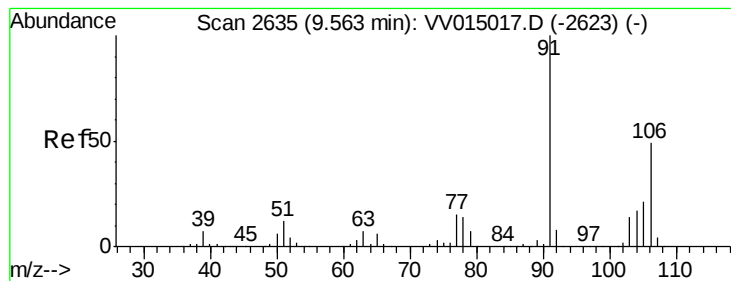
Tgt Ion: 91 Resp: 25482
Ion Ratio Lower Upper
91 100
106 31.9 22.3 41.5



#53
m,p-Xylene
Concen: 3.600 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015015.D
Acq: 18 Mar 2020 13:37

Tgt Ion: 106 Resp: 9911
Ion Ratio Lower Upper
106 100
91 181.8 137.0 254.4





#54

o-xylene

Concen: 3.516 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

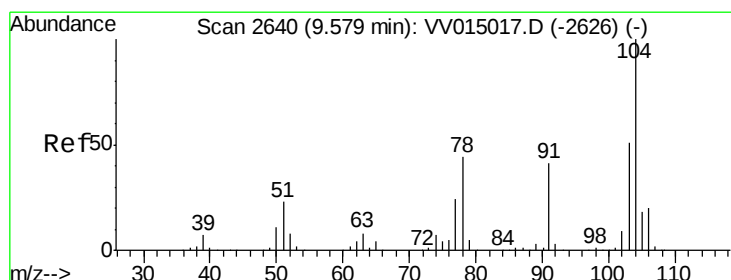
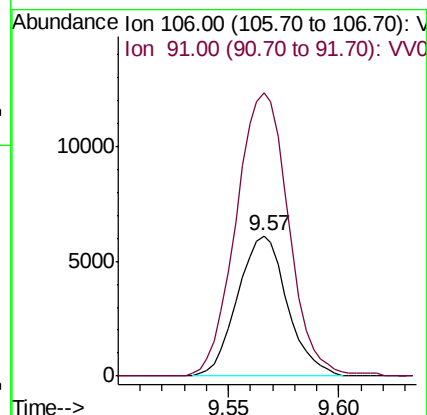
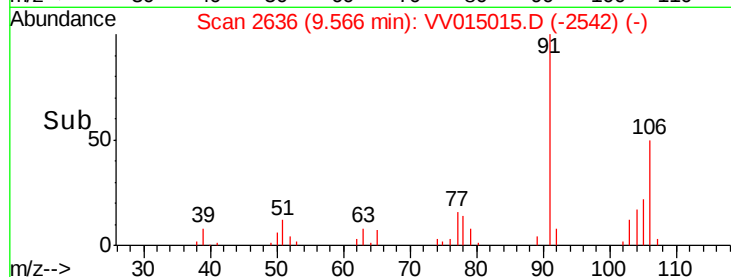
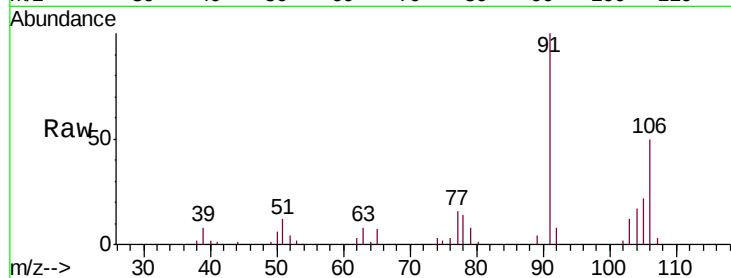
VSTD00564

Tgt Ion:106 Resp: 9586

Ion Ratio Lower Upper

106 100

91 201.3 144.3 268.1



#55

Styrene

Concen: 3.419 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV015015.D

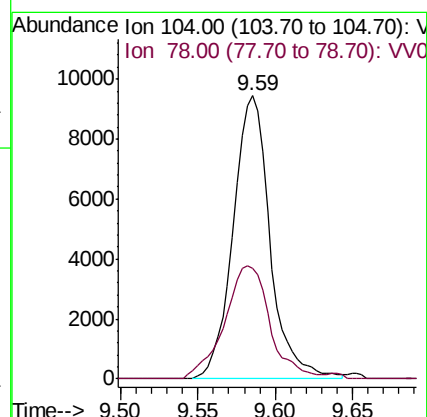
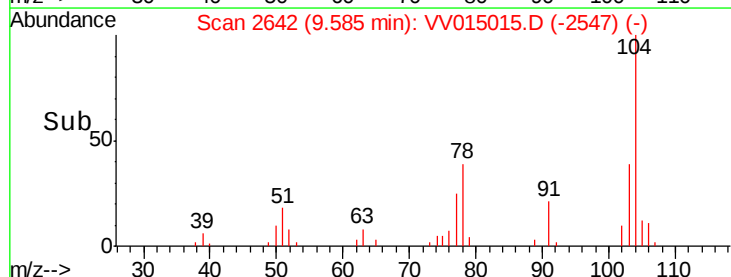
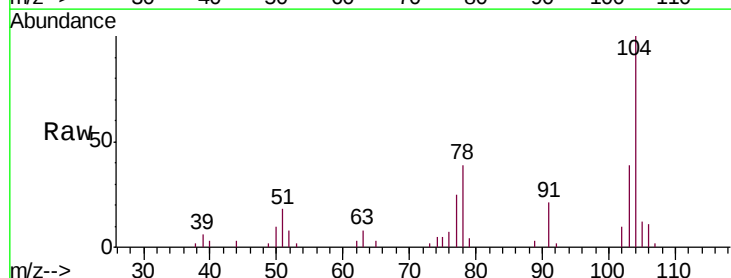
Acq: 18 Mar 2020 13:37

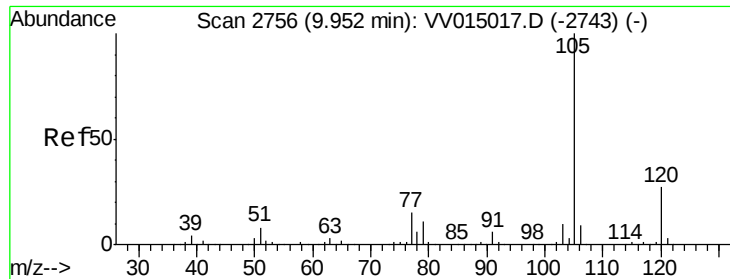
Tgt Ion:104 Resp: 15656

Ion Ratio Lower Upper

104 100

78 39.1 30.7 56.9





#56

Isopropylbenzene

Concen: 3.474 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

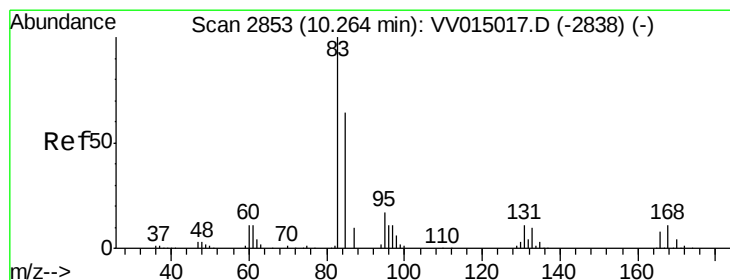
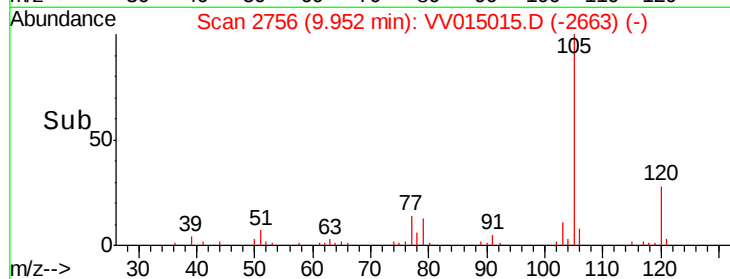
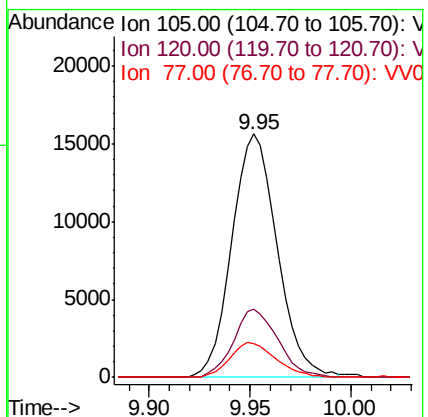
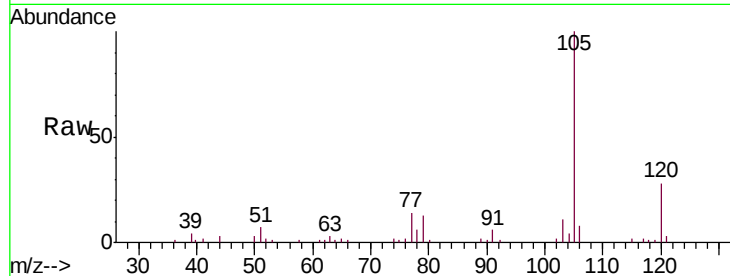
Tgt Ion: 105 Resp: 24669

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 14.4 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 3.924 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

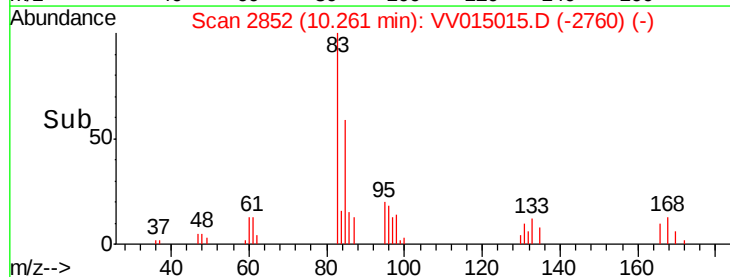
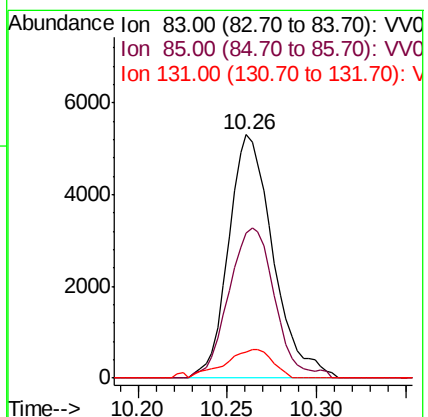
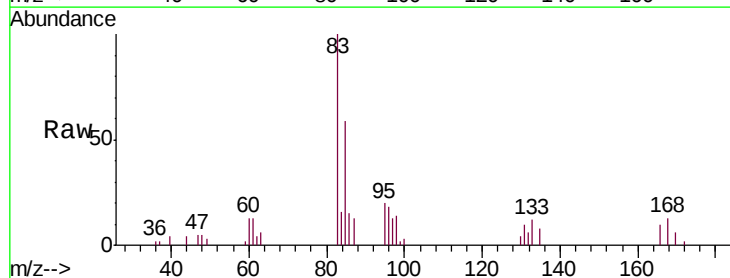
Tgt Ion: 83 Resp: 9214

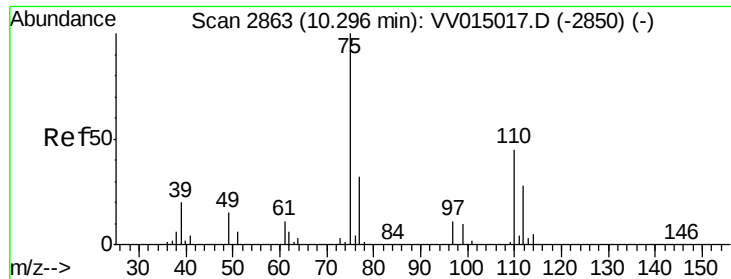
Ion Ratio Lower Upper

83 100

85 59.5 44.9 83.5

131 16.1 9.3 13.9#





#59

1,2,3-Trichloropropane

Concen: 3.713 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

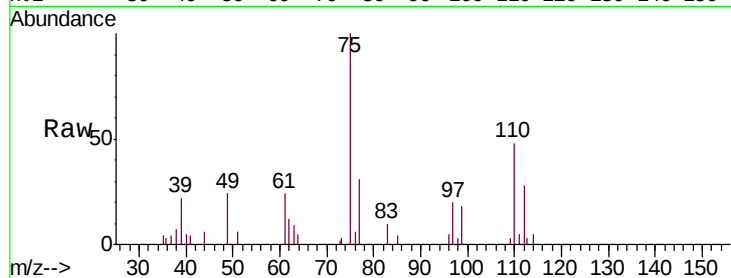
VSTD00564

Tgt Ion: 75 Resp: 6911

Ion Ratio Lower Upper

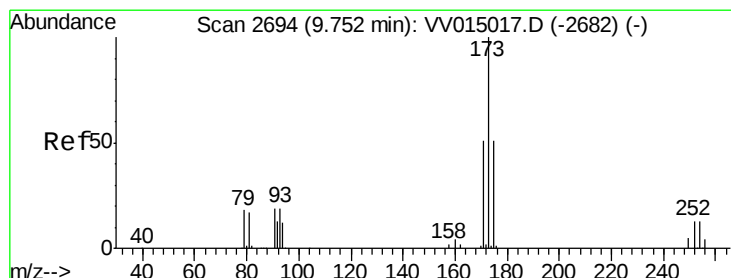
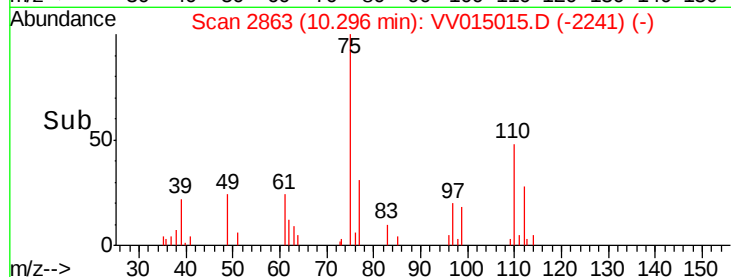
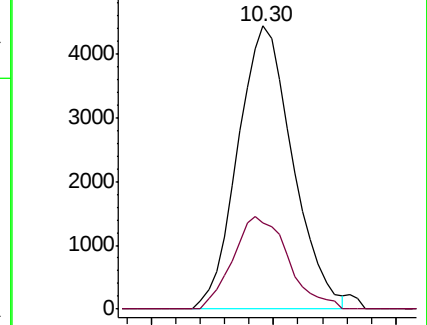
75 100

77 33.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV015017.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015017.D (-2850) (-)



#61

Bromoform

Concen: 3.432 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

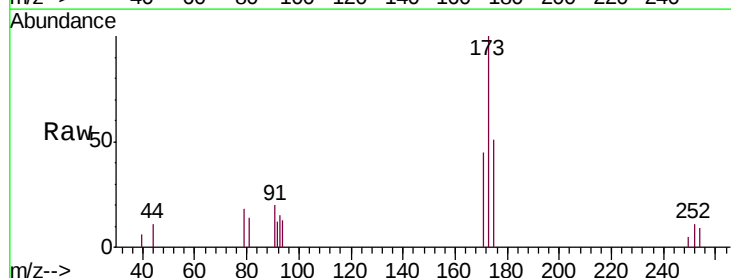
Tgt Ion: 173 Resp: 3773

Ion Ratio Lower Upper

173 100

175 52.8 39.5 59.3

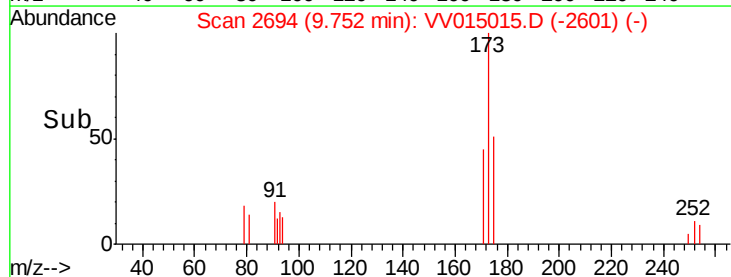
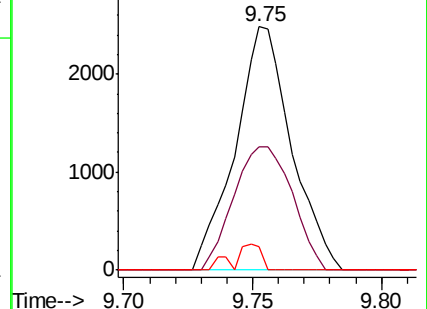
254 3.8 10.1 15.1#

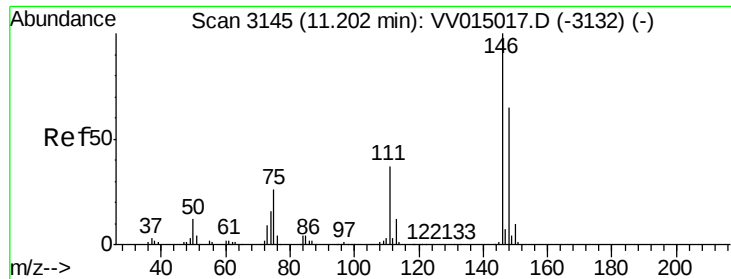


Abundance Ion 173.00 (172.70 to 173.70): VV015017.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV015017.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV015017.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 3.915 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

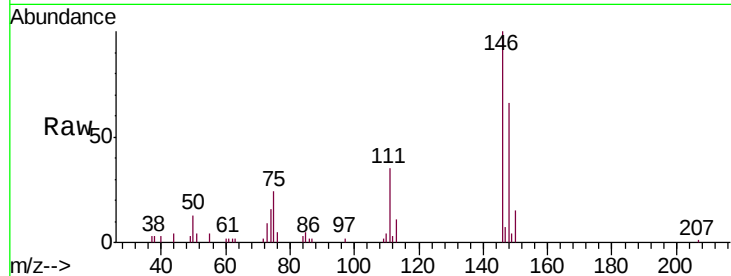
Tgt Ion:146 Resp: 13102

Ion Ratio Lower Upper

146 100

111 35.4 25.7 47.7

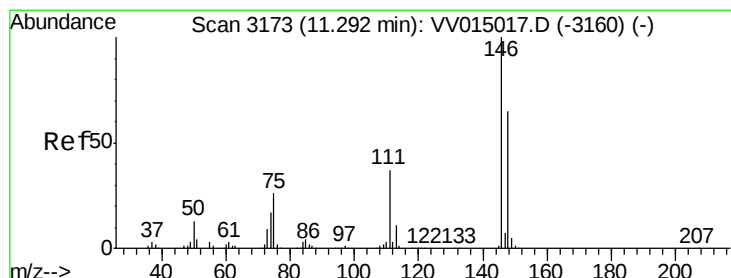
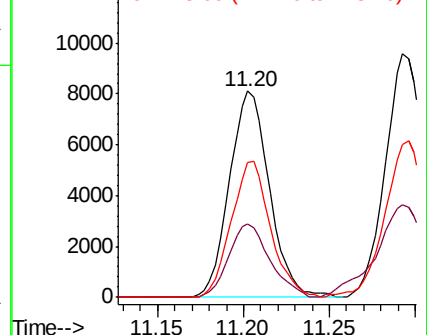
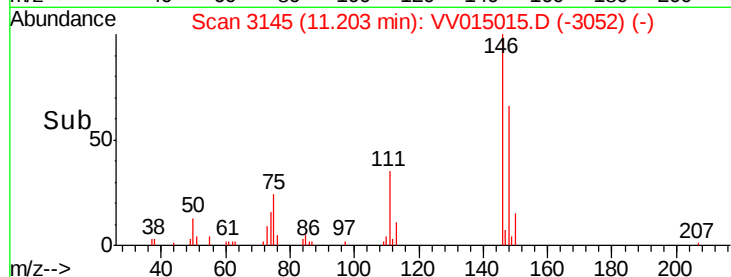
148 65.6 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.491 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

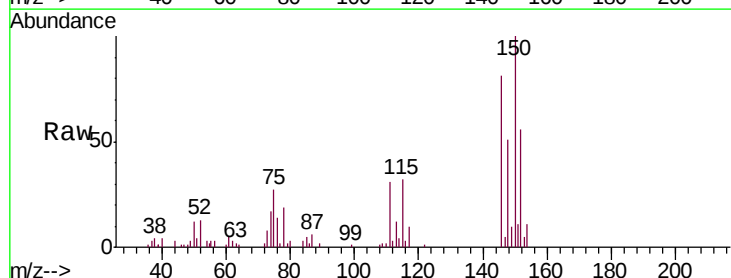
Tgt Ion:146 Resp: 15645

Ion Ratio Lower Upper

146 100

111 38.1 25.8 48.0

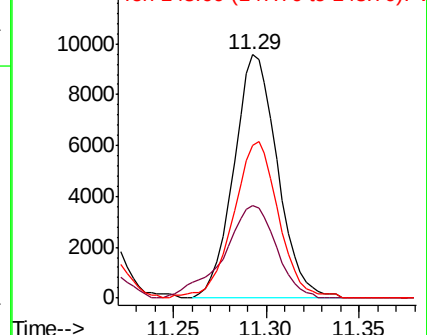
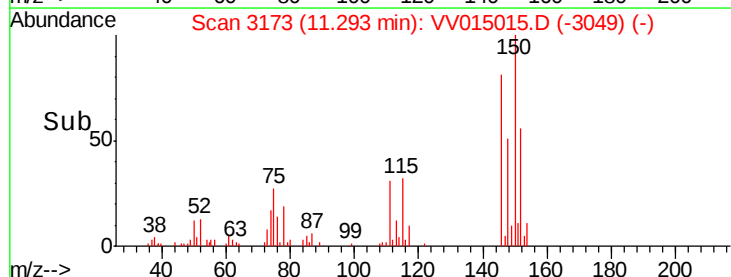
148 62.9 45.7 84.9

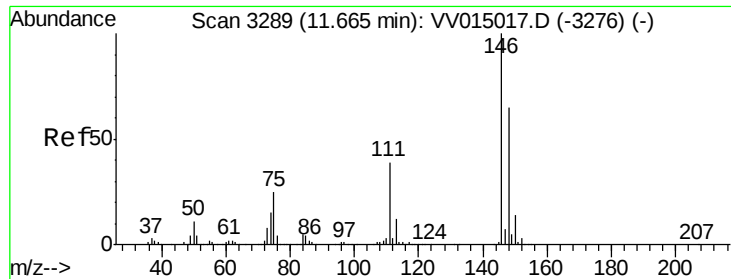


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

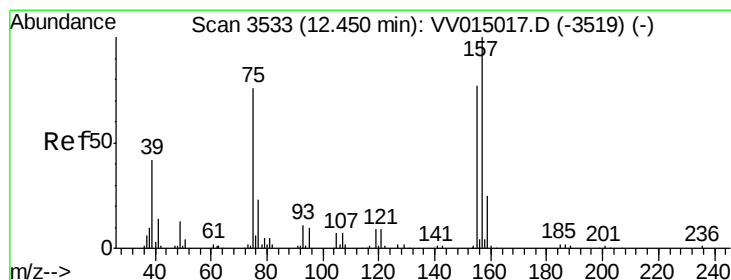
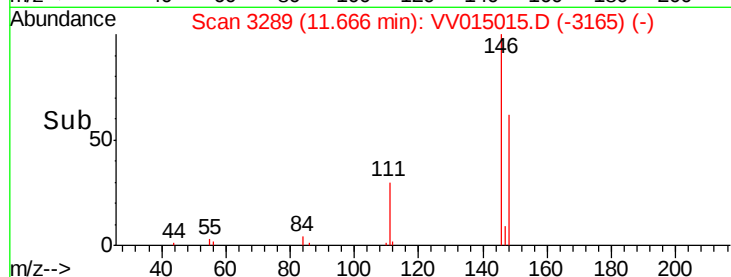
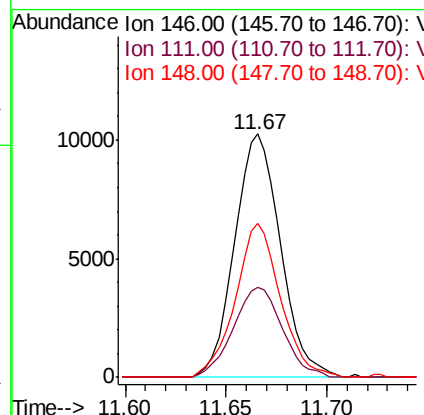
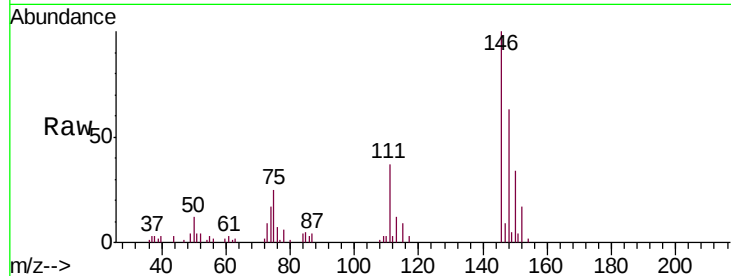




#65
 1,2-Dichlorobenzene
 Concen: 4.602 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

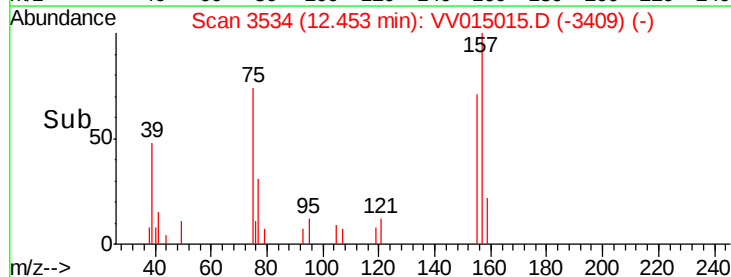
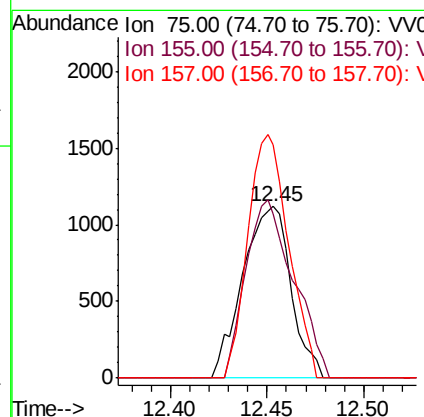
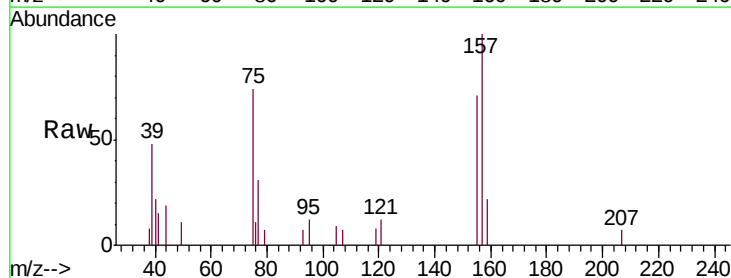
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

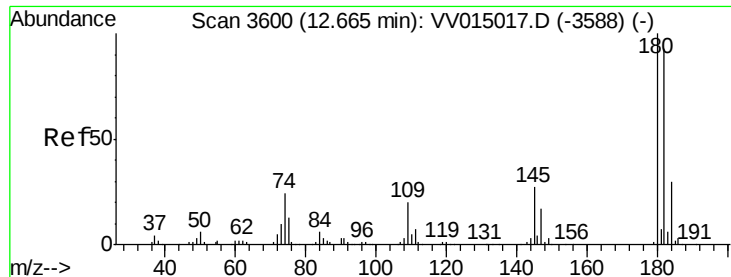
Tgt Ion: 146 Resp: 16359
 Ion Ratio Lower Upper
 146 100
 111 37.0 31.5 47.3
 148 63.2 51.7 77.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.897 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion: 75 Resp: 1936
 Ion Ratio Lower Upper
 75 100
 155 95.7 80.6 121.0
 157 135.7 104.6 157.0

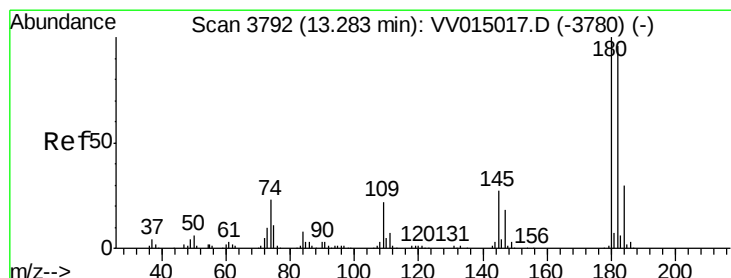
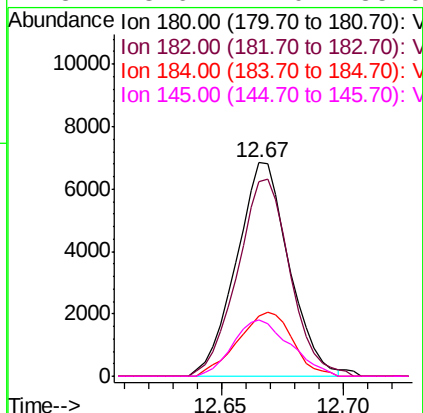
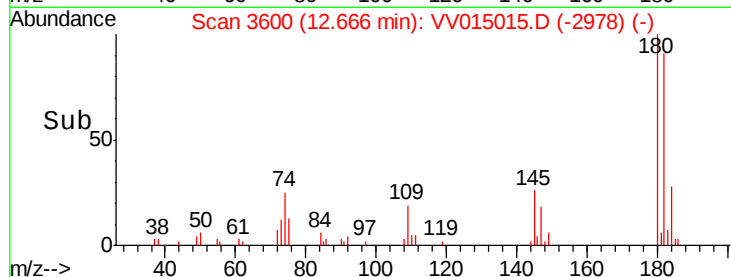
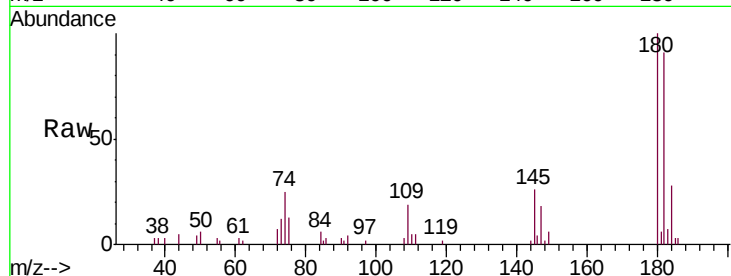




#67
 1,3,5-Trichlorobenzene
 Concen: 3.866 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

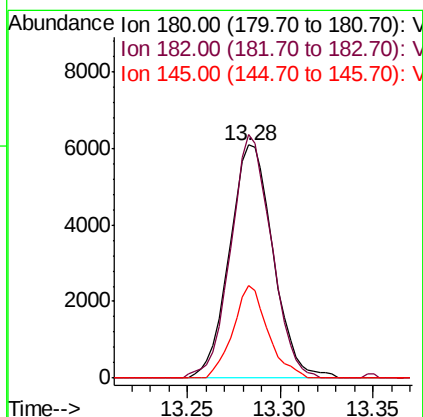
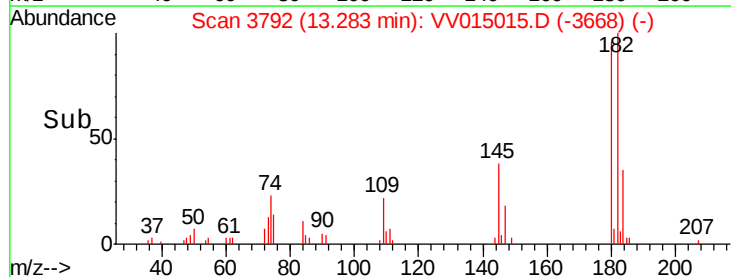
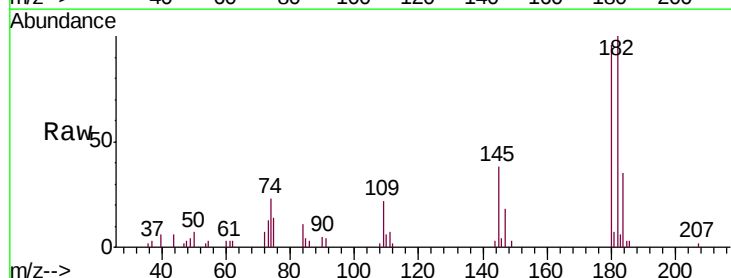
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

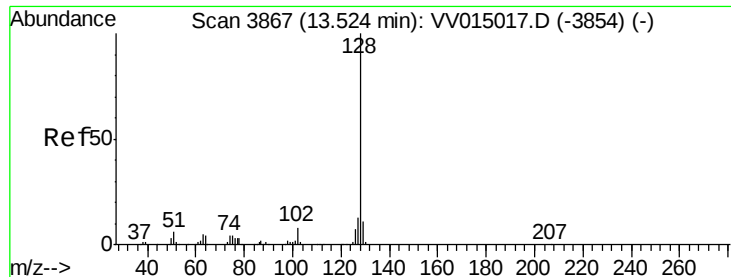
Tgt Ion:180 Resp: 10237
 Ion Ratio Lower Upper
 180 100
 182 91.9 75.2 112.8
 184 31.2 23.9 35.9
 145 28.6 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.072 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV015015.D
 Acq: 18 Mar 2020 13:37

Tgt Ion:180 Resp: 9928
 Ion Ratio Lower Upper
 180 100
 182 97.5 76.3 114.5
 145 31.8 22.2 33.4





#69

Naphthalene

Concen: 3.485 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

Instrument :

MSVOA_V

ClientSampled :

VSTD00564

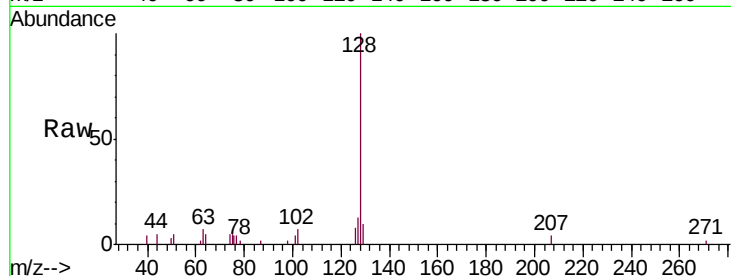
Tgt Ion:128 Resp: 11094

Ion Ratio Lower Upper

128 100

127 11.4 10.1 15.1

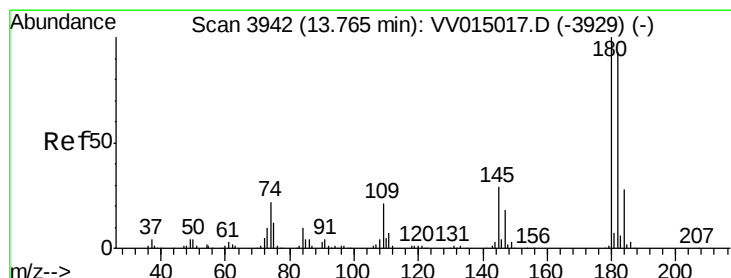
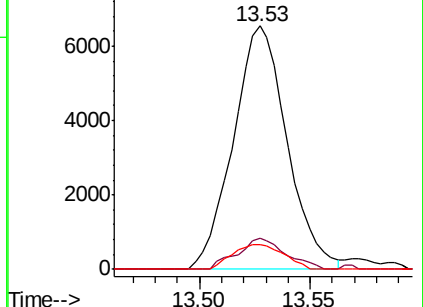
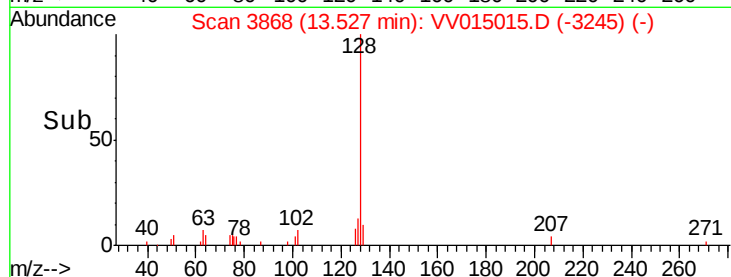
129 9.8 8.6 13.0



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: 3.650 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015015.D

Acq: 18 Mar 2020 13:37

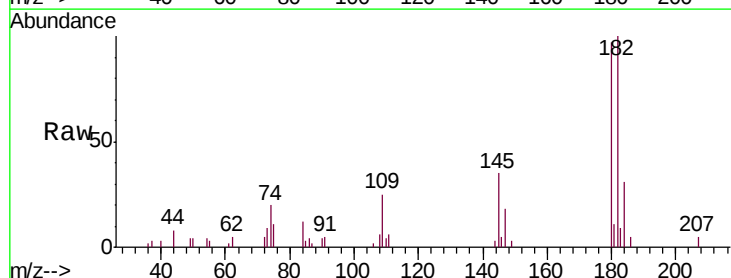
Tgt Ion:180 Resp: 8743

Ion Ratio Lower Upper

180 100

182 96.9 75.5 113.3

145 29.6 23.5 35.3



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

