

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008492.D
 Acq On : 31 Oct 2018 13:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Oct 31 23:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	232309	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	212623	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49255	36.86	ug/L	0.00
7) Chloroethane-d5	1.56	69	31559	33.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	85584	36.44	ug/L	0.00
21) 2-Butanone-d5	3.93	46	102638	72.94	ug/L	0.00
24) Chloroform-d	4.40	84	122983	38.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	80907	37.73	ug/L	0.00
32) Benzene-d6	5.10	84	242599	39.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	81202	38.08	ug/L	0.00
41) Toluene-d8	7.36	98	224894	40.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	40971	39.46	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	83179	75.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	114642	39.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	84866	39.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	50648	30.212 ug/L	98
3) Chloromethane	1.25	50	55591	31.326 ug/L	97
5) Vinyl chloride	1.33	62	53359	32.408 ug/L	97
6) Bromomethane	1.51	94	12796	28.689 ug/L	96
8) Chloroethane	1.58	64	28716	32.915 ug/L	99
9) Trichlorofluoromethane	1.76	101	68385	32.668 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37395	34.043 ug/L	99
12) 1,1-Dichloroethene	2.14	96	33705	32.568 ug/L	86
13) Acetone	2.19	43	71081	62.109 ug/L	98
14) Carbon disulfide	2.32	76	140484	29.979 ug/L	100
15) Methyl Acetate	2.46	43	66867	31.292 ug/L	100
16) Methylene chloride	2.54	84	57523	31.981 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	50104	31.732 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	185597	32.965 ug/L	100
19) 1,1-Dichloroethane	3.23	63	104162	32.114 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	59828	33.260 ug/L	99
22) 2-Butanone	4.02	43	106856	66.628 ug/L	100
23) Bromochloromethane	4.30	128	27801	32.869 ug/L	99
25) Chloroform	4.43	83	104685	33.014 ug/L	97
27) 1,2-Dichloroethane	5.18	62	85902	32.596 ug/L	100
29) Cyclohexane	4.73	56	96687	31.433 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	89542	32.757 ug/L	99
31) Carbon tetrachloride	4.88	117	75338	32.446 ug/L	99
33) Benzene	5.15	78	224932	32.610 ug/L	100
34) Trichloroethene	5.96	95	57424	32.505 ug/L	98
35) Methylcyclohexane	6.18	83	98692	32.803 ug/L	99
37) 1,2-Dichloropropane	6.22	63	63562	33.309 ug/L	99
38) Bromodichloromethane	6.56	83	79802	32.892 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	101065	33.756 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	184078	65.118 ug/L	99

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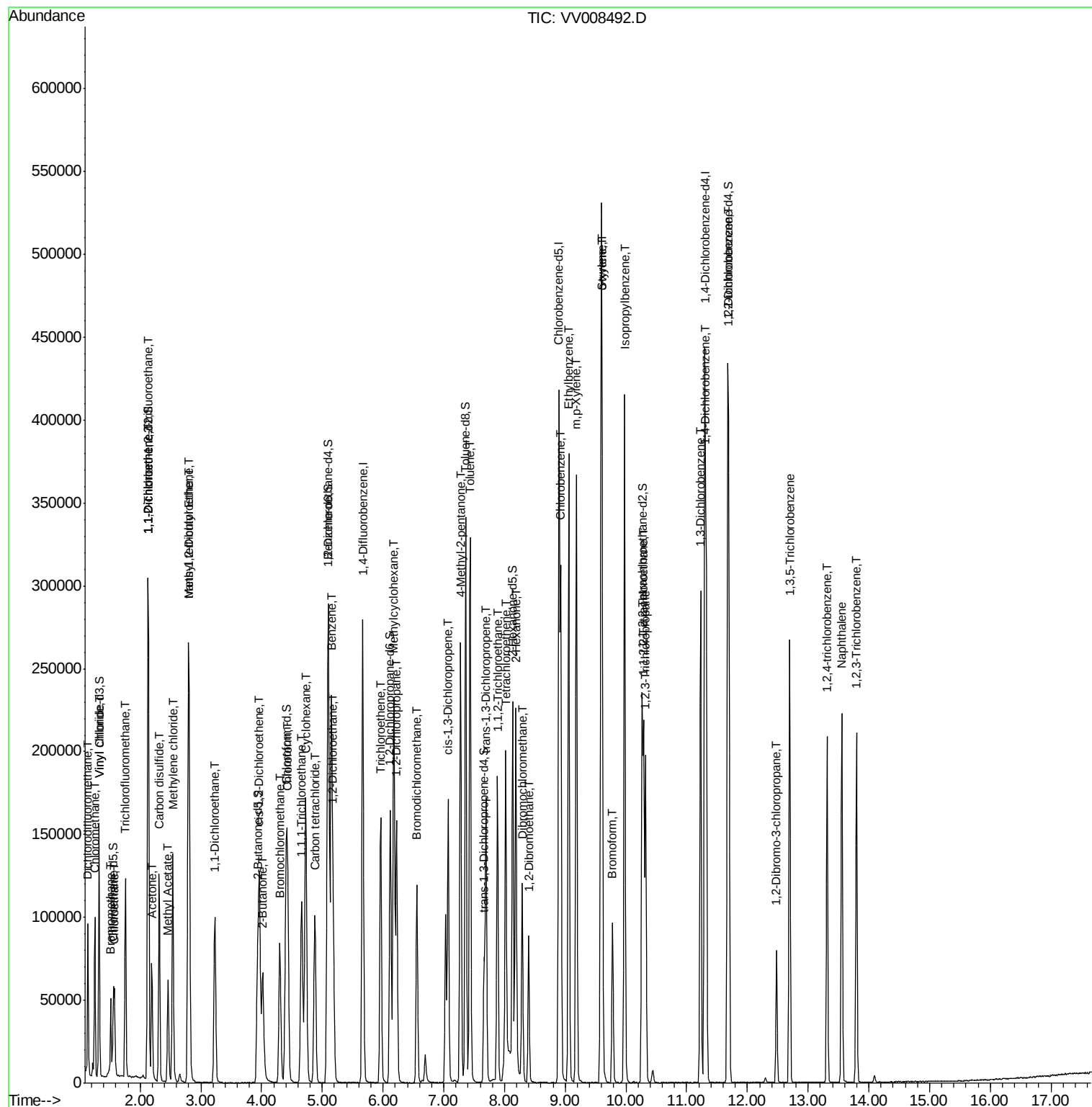
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	234118	32.769	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	93018	33.168	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	55738	33.179	ug/L	99
46) Tetrachloroethene	8.02	164	38945	33.589	ug/L	95
48) 2-Hexanone	8.19	43	146755	66.282	ug/L	99
49) Dibromochloromethane	8.29	129	60007	33.200	ug/L	97
50) 1,2-Dibromoethane	8.40	107	57722	32.752	ug/L	97
51) Chlorobenzene	8.93	112	148191	33.562	ug/L	99
52) Ethylbenzene	9.06	91	266956	33.286	ug/L	100
53) m,p-Xylene	9.18	106	99371	33.742	ug/L	98
54) o-xylene	9.59	106	99597	33.891	ug/L	100
55) Styrene	9.61	104	169385	34.242	ug/L	99
56) Isopropylbenzene	9.98	105	261759	34.050	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	101077	34.168	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	81631	34.023	ug/L	99
61) Bromoform	9.78	173	41918	32.790	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	115001	34.118	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	114880	34.068	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	115939	33.780	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	21957	31.379	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	76087	34.495	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	58212	32.865	ug/L	98
69) Naphthalene	13.56	128	167052	29.399	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	58170	32.783	ug/L	99

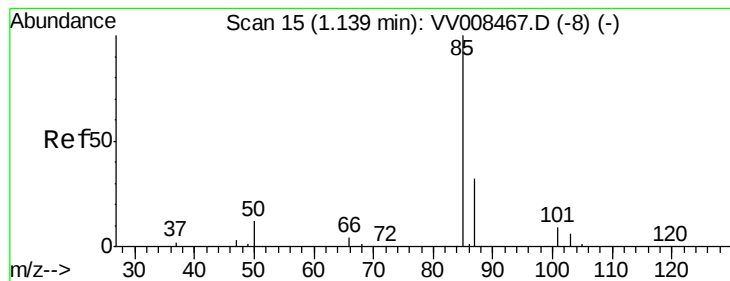
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.212 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

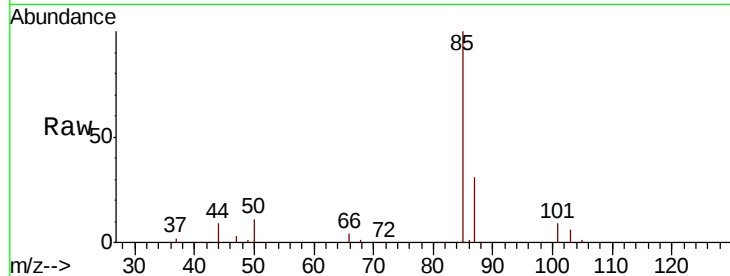
VSTD05065

Tgt Ion: 85 Resp: 50648

Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)

1.14

60000

50000

40000

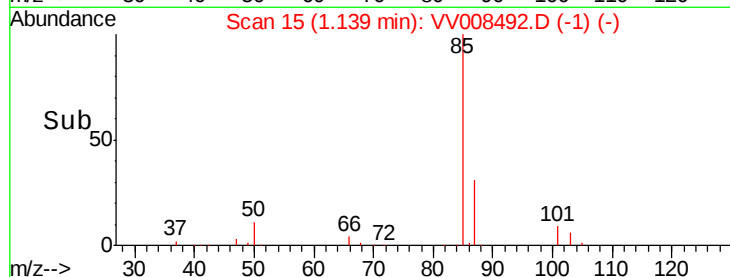
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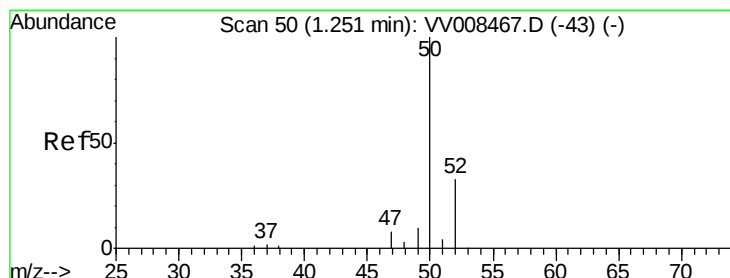
10000

0

Time-->



Time-->



#3

Chloromethane

Concen: 31.326 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008492.D

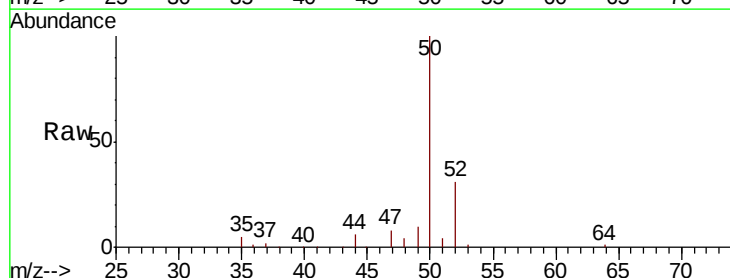
Acq: 31 Oct 2018 13:28

Tgt Ion: 50 Resp: 55591

Ion Ratio Lower Upper

50 100

52 31.4 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)

1.25

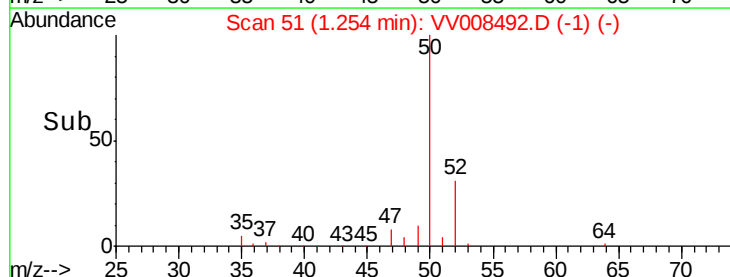
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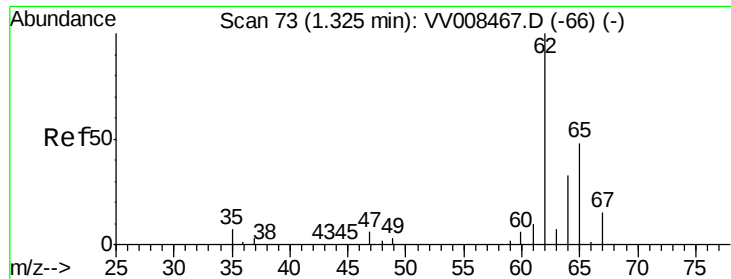
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 32.408 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

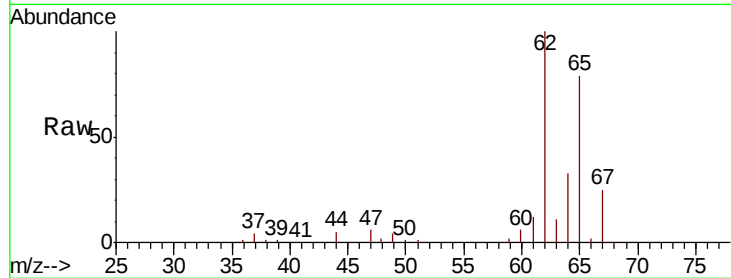
VSTD05065

Tgt Ion: 62 Resp: 53359

Ion Ratio Lower Upper

62 100

64 33.0 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV008467.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008467.D (-66) (-)

1.33

60000

50000

40000

30000

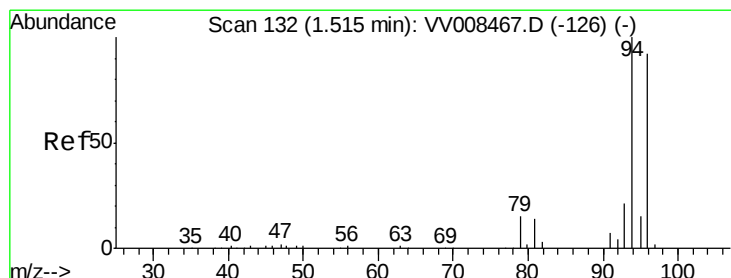
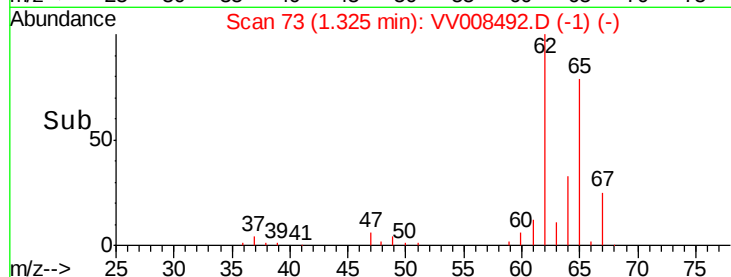
20000

10000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 28.689 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008492.D

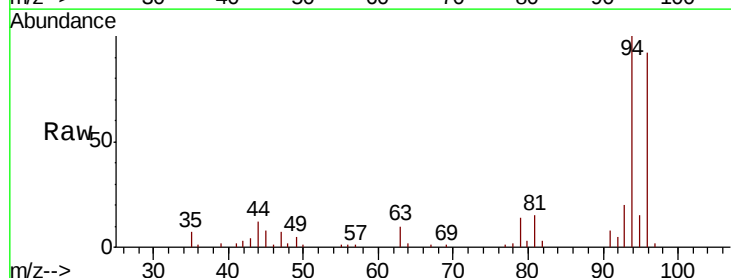
Acq: 31 Oct 2018 13:28

Tgt Ion: 94 Resp: 12796

Ion Ratio Lower Upper

94 100

96 92.3 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV008467.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008467.D (-126) (-)

1.51

15000

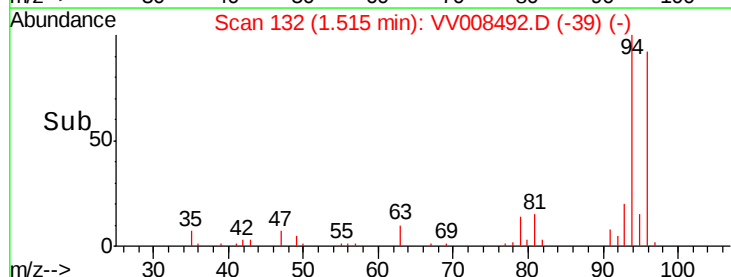
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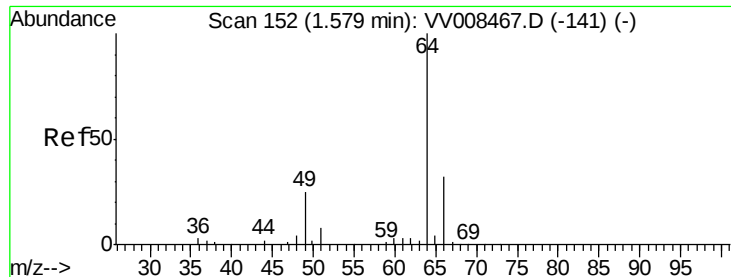
5000

0

Time-->

1.48 1.50 1.52 1.54





#8

Chloroethane

Concen: 32.915 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

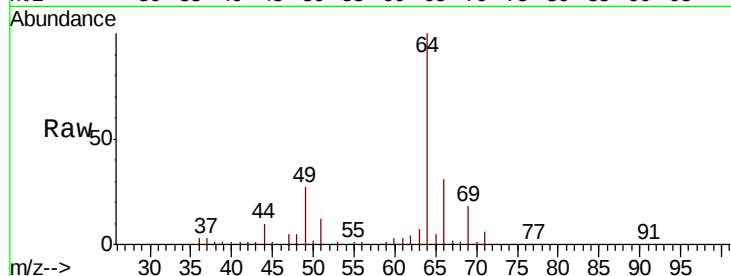
VSTD05065

Tgt Ion: 64 Resp: 28716

Ion Ratio Lower Upper

64 100

66 31.5 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008467.D (-141) (-)

1.58

25000

20000

15000

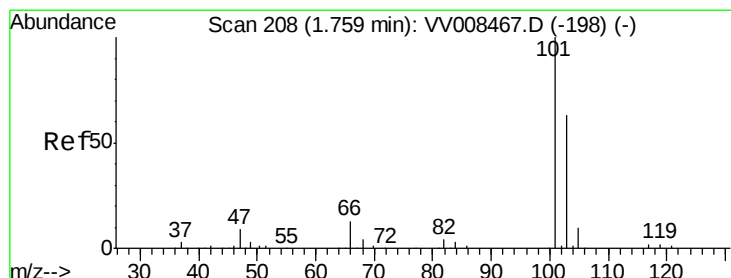
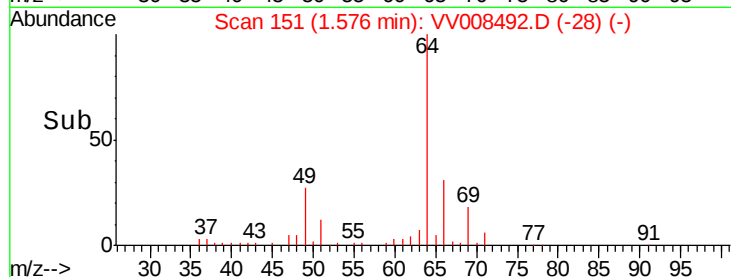
10000

5000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 32.668 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV008492.D

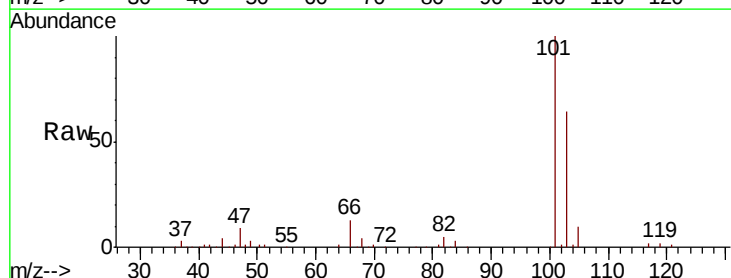
Acq: 31 Oct 2018 13:28

Tgt Ion: 101 Resp: 68385

Ion Ratio Lower Upper

101 100

103 63.9 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008467.D (-198) (-)

1.76

60000

50000

40000

30000

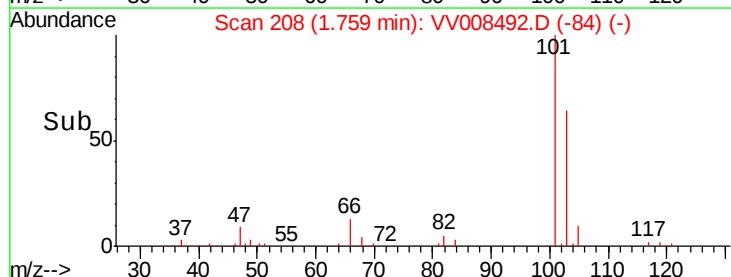
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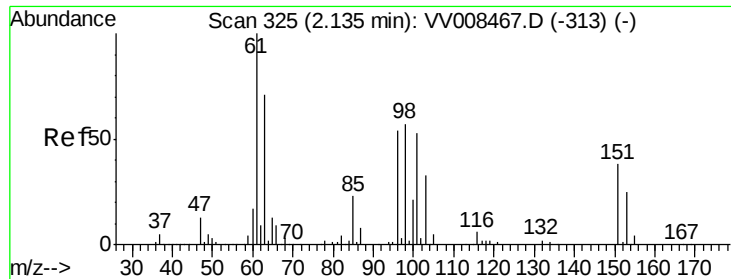
10000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 34.043 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

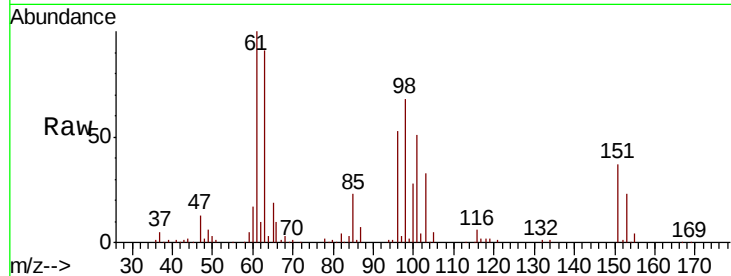
Tgt Ion:101 Resp: 37395

Ion Ratio Lower Upper

101 100

85 44.3 35.6 53.4

151 72.8 57.8 86.8

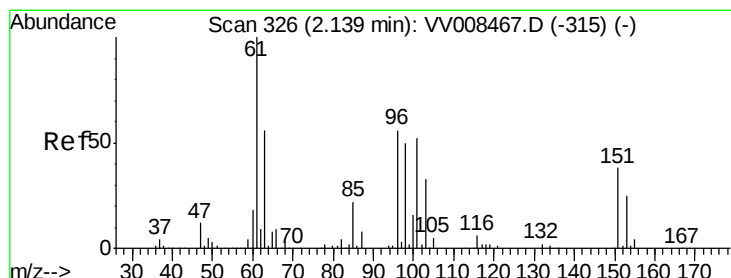
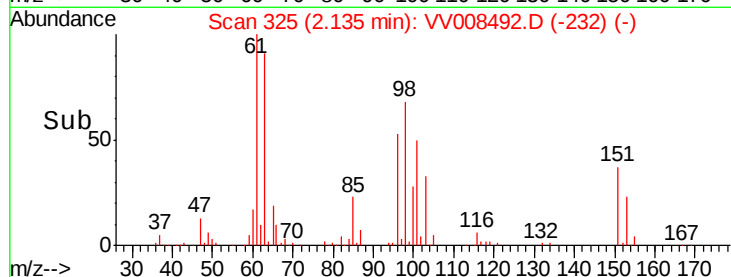


Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008467.D (-313) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 32.568 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

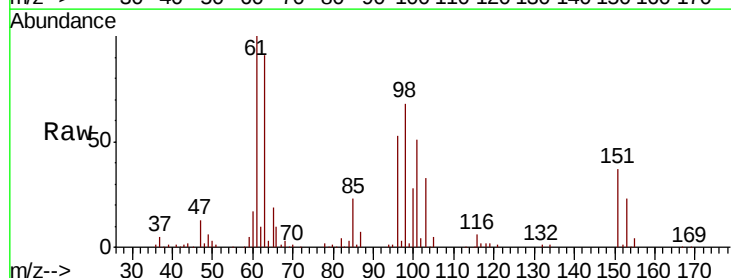
Tgt Ion: 96 Resp: 33705

Ion Ratio Lower Upper

96 100

61 187.3 129.8 241.2

63 170.5 93.0 172.6

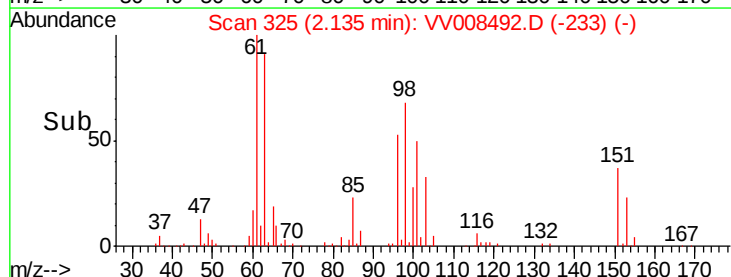


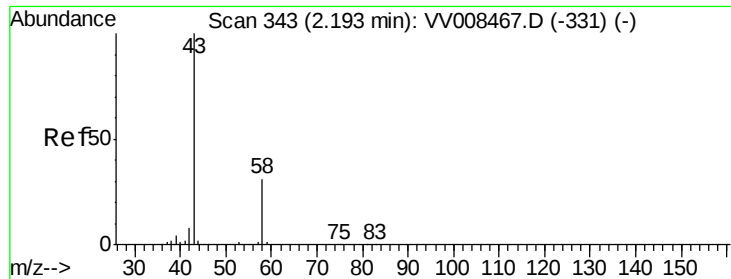
Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008467.D (-315) (-)

Time-->





#13

Acetone

Concen: 62.109 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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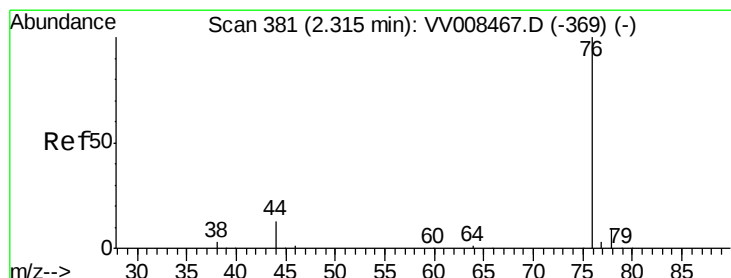
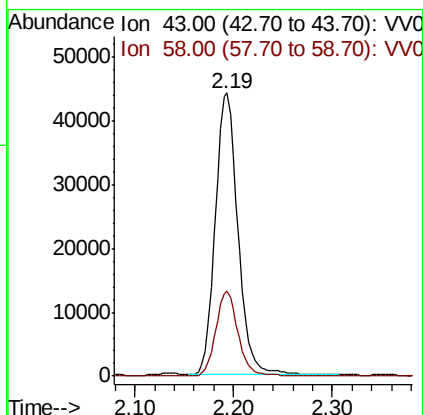
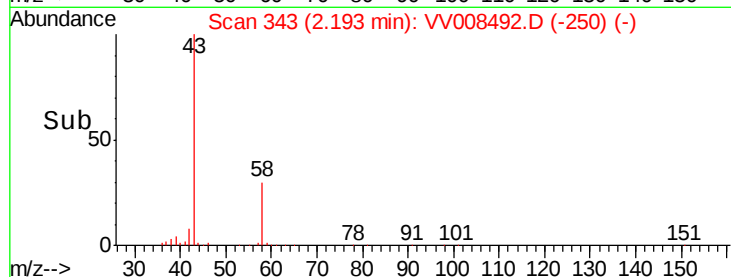
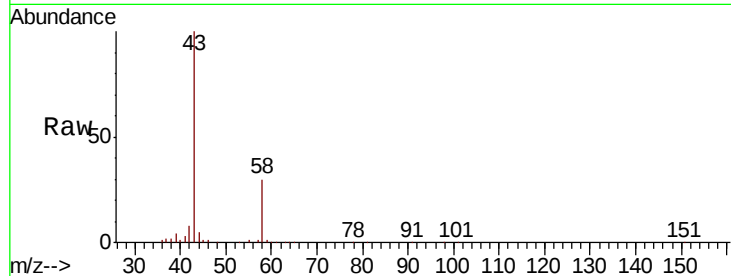
VSTD05065

Tgt Ion: 43 Resp: 71081

Ion Ratio Lower Upper

43 100

58 29.7 0.0 61.4



#14

Carbon disulfide

Concen: 29.979 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008492.D

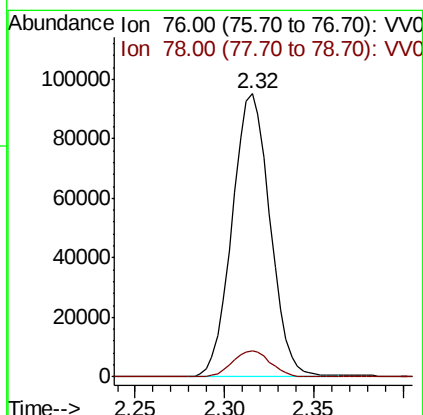
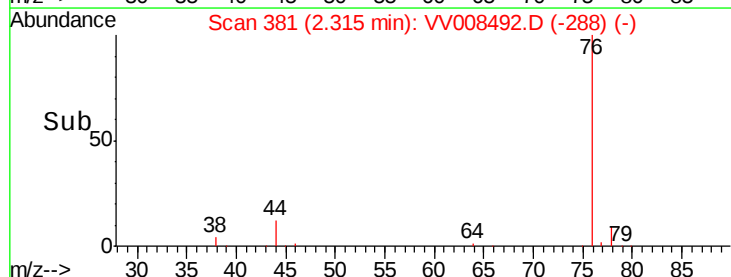
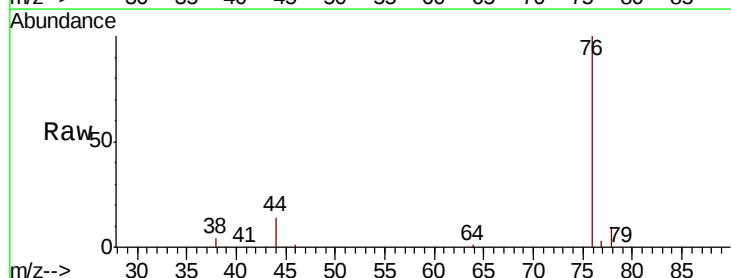
Acq: 31 Oct 2018 13:28

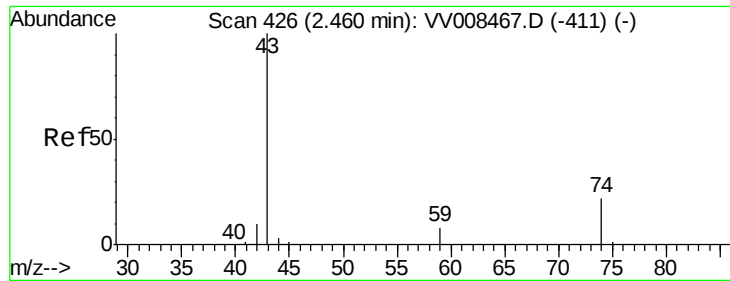
Tgt Ion: 76 Resp: 140484

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

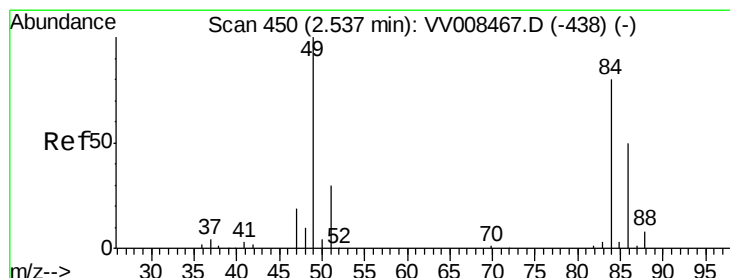
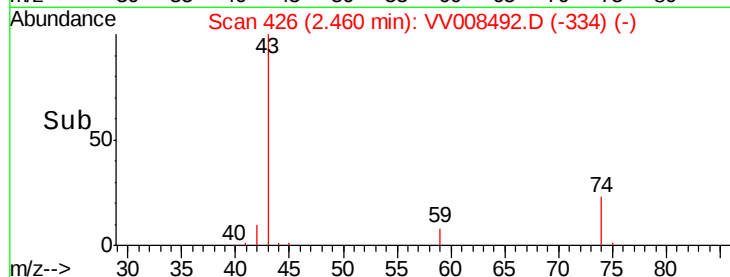
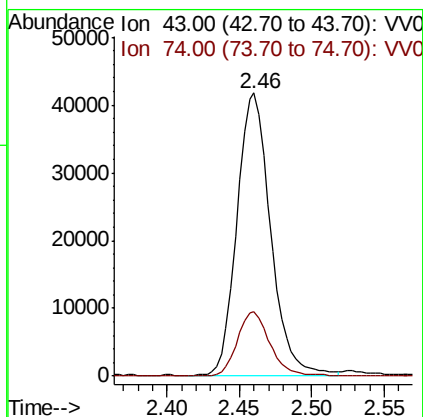
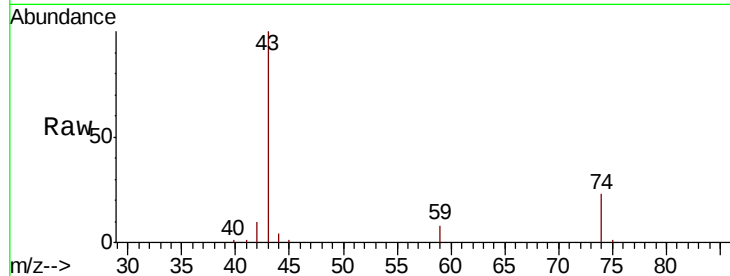




#15
Methyl Acetate
Concen: 31.292 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

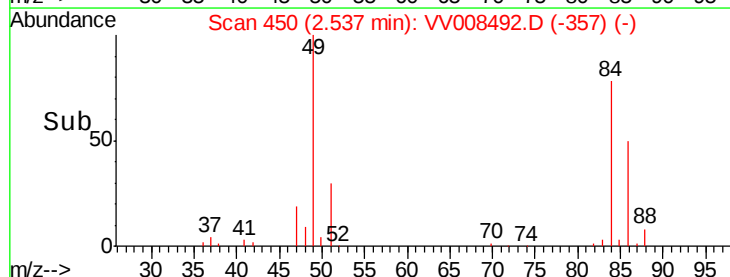
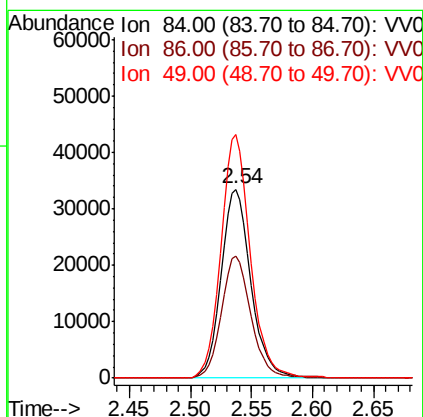
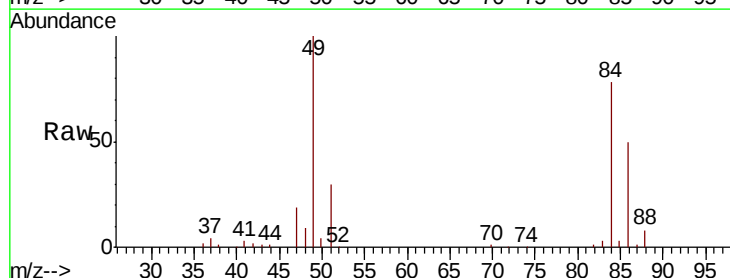
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

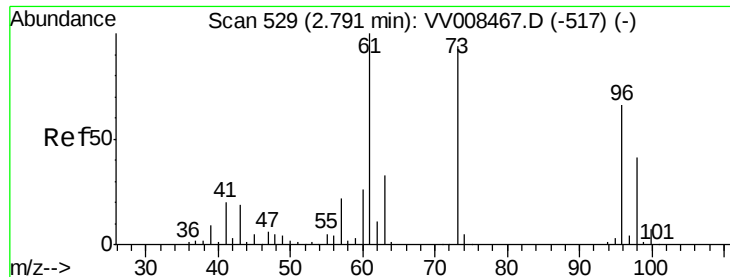
Tgt Ion: 43 Resp: 66867
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 31.981 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion: 84 Resp: 57523
Ion Ratio Lower Upper
84 100
86 64.8 42.8 79.4
49 128.8 87.5 162.5

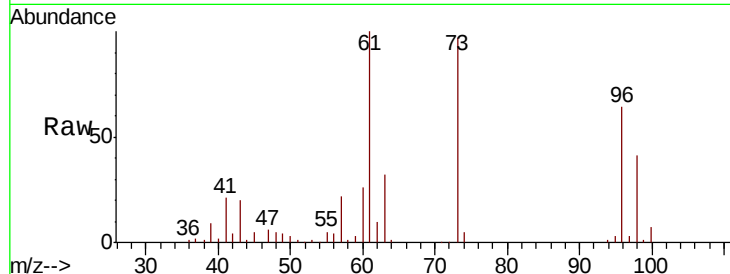




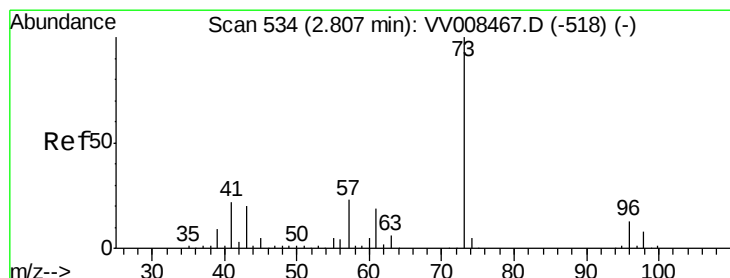
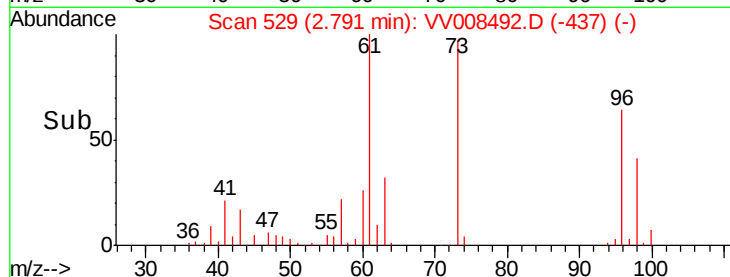
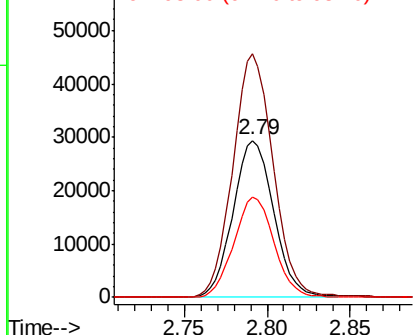
#17
trans-1,2-Dichloroethene
Concen: 31.732 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 96 Resp: 50104
Ion Ratio Lower Upper
96 100
61 155.2 105.5 195.9
98 64.1 44.8 83.2

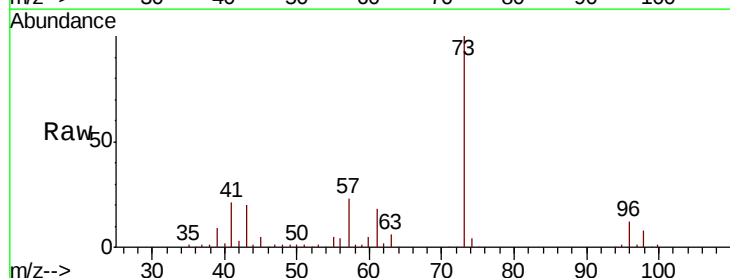


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

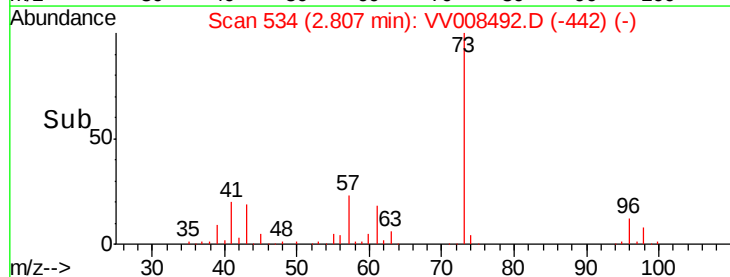
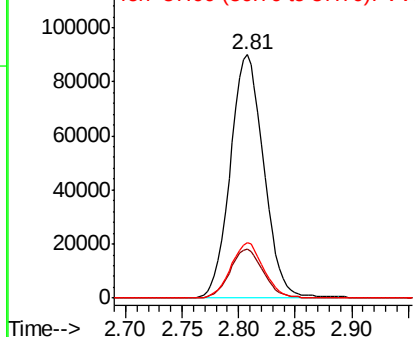


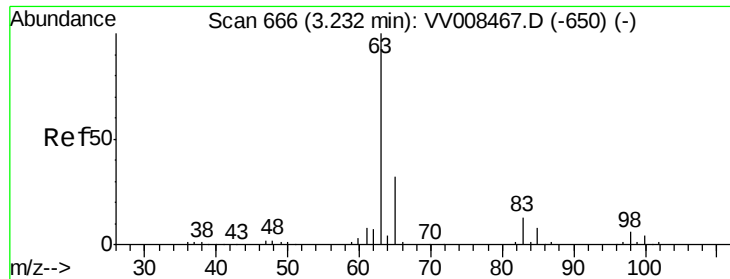
#18
Methyl tert-butyl Ether
Concen: 32.965 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion: 73 Resp: 185597
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4
57 22.6 18.0 27.0



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

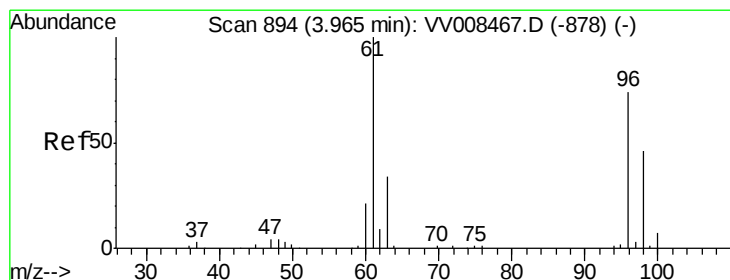
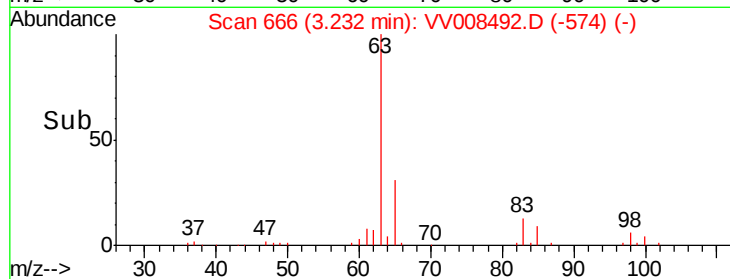
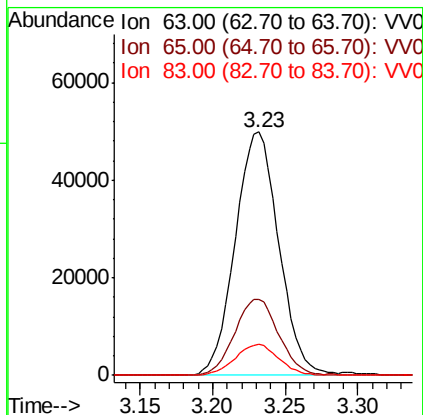
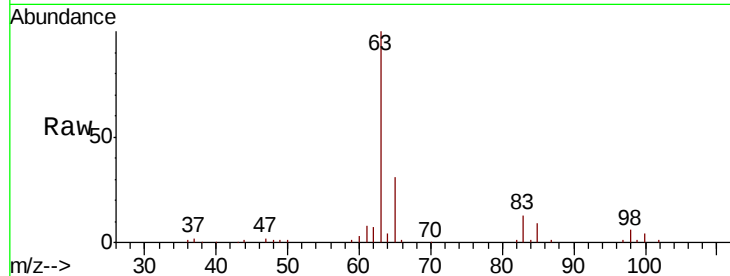




#19
 1,1-Dichloroethane
 Concen: 32.114 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

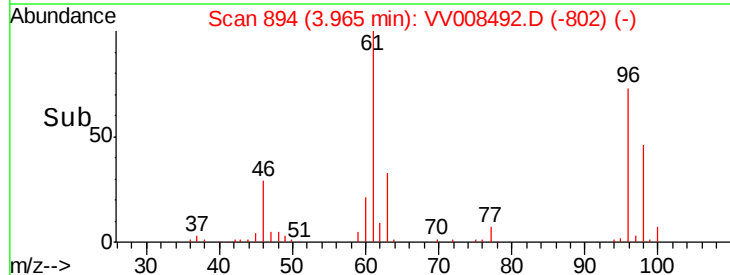
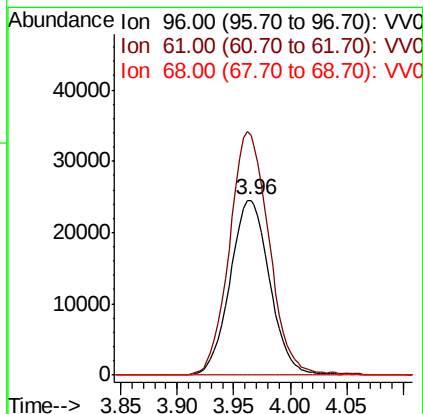
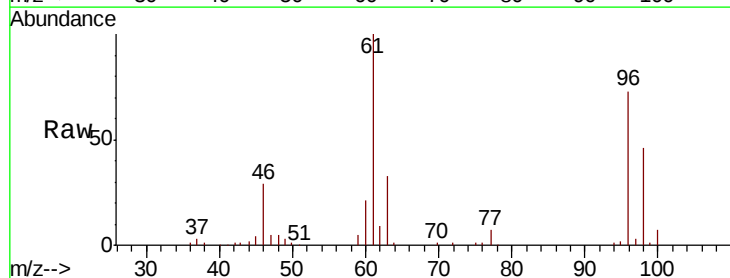
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

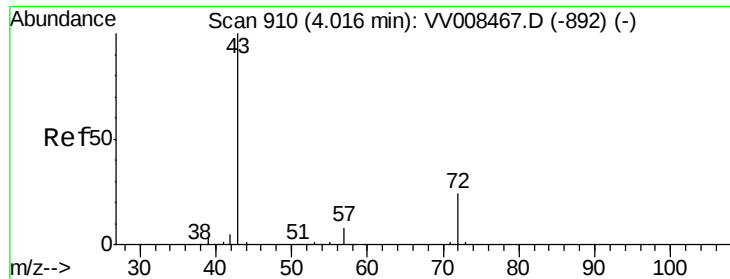
Tgt Ion: 63 Resp: 104162
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 12.8 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 33.260 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. -0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

Tgt Ion: 96 Resp: 59828
 Ion Ratio Lower Upper
 96 100
 61 136.7 96.3 178.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 66.628 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.01 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

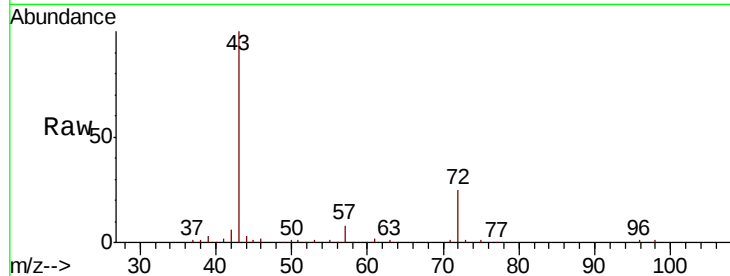
VSTD05065

Tgt Ion: 43 Resp: 106856

Ion Ratio Lower Upper

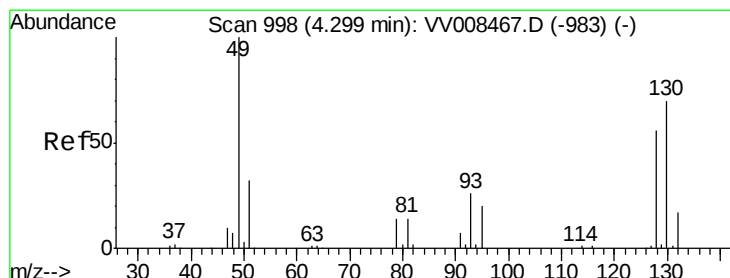
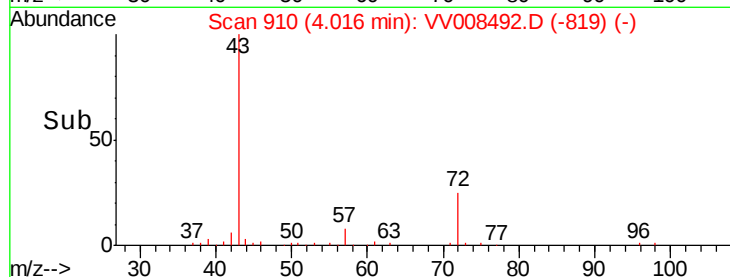
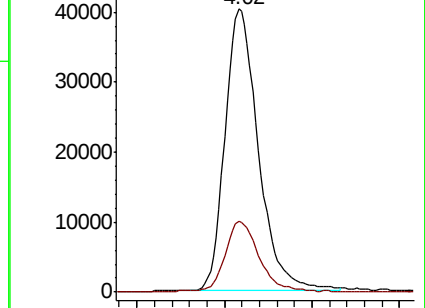
43 100

72 25.8 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008492.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV008492.D (-819) (-)



#23

Bromochloromethane

Concen: 32.869 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.01 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Tgt Ion: 128 Resp: 27801

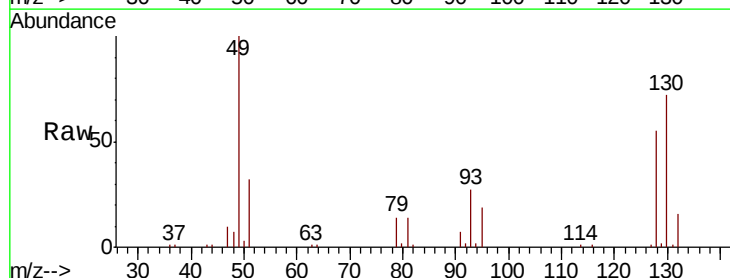
Ion Ratio Lower Upper

128 100

49 182.7 129.4 240.4

130 131.3 92.1 171.1

51 58.7 47.4 71.2

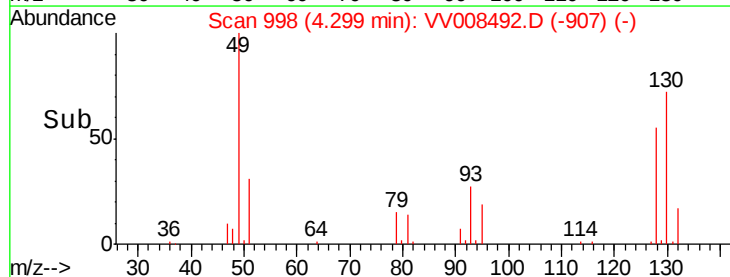
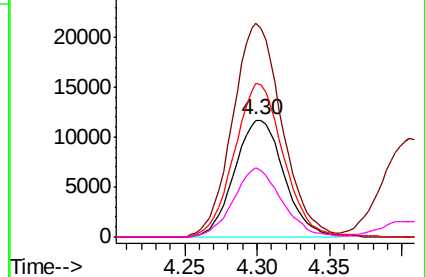


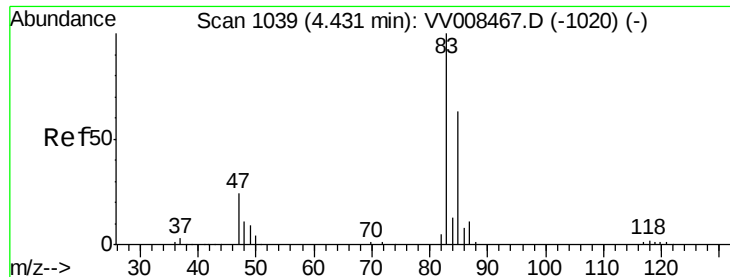
Abundance Ion 128.00 (127.70 to 128.70): VV008492.D (-907) (-)

Ion 49.00 (48.70 to 49.70): VV008492.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV008492.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV008492.D (-907) (-)

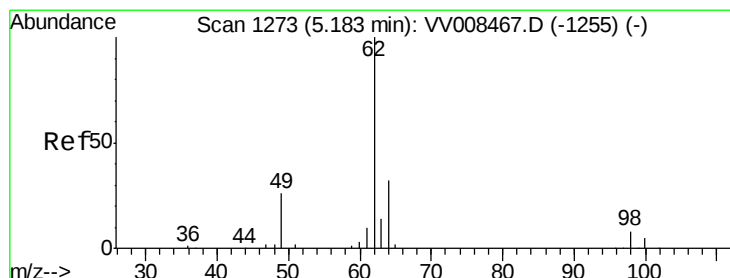
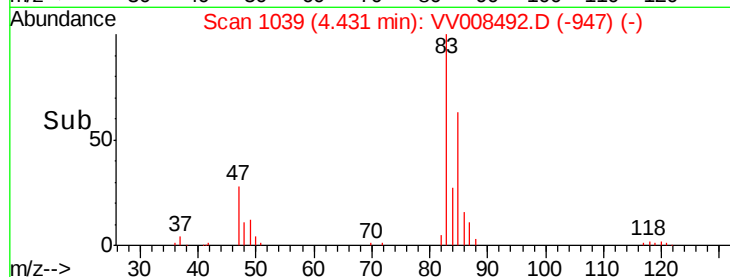
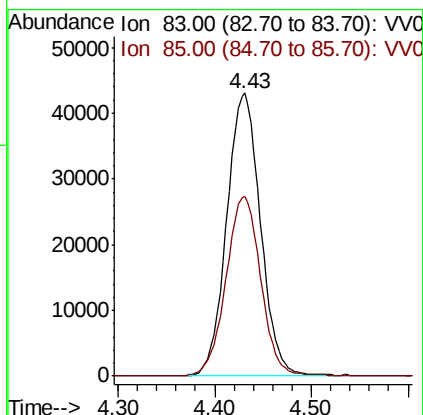
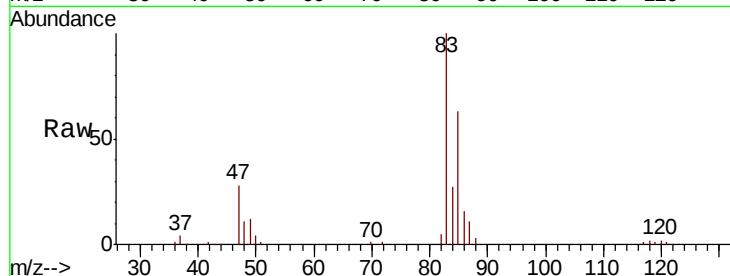




#25
Chloroform
Concen: 33.014 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

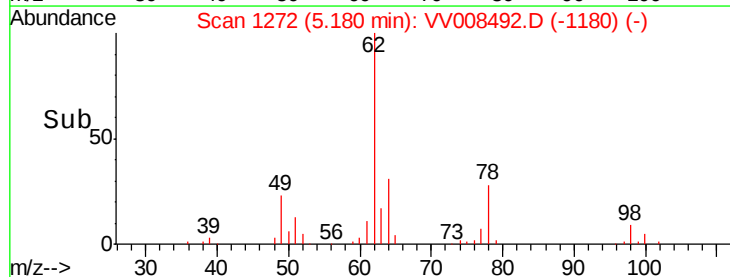
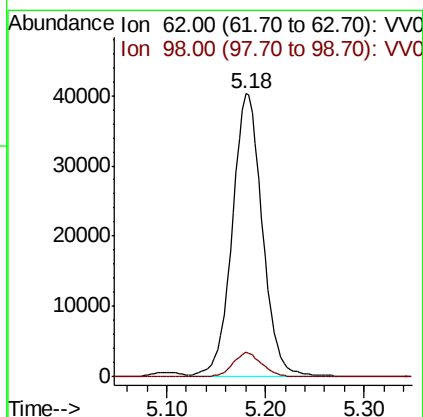
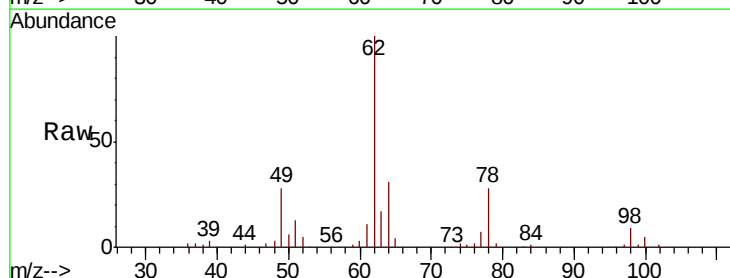
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

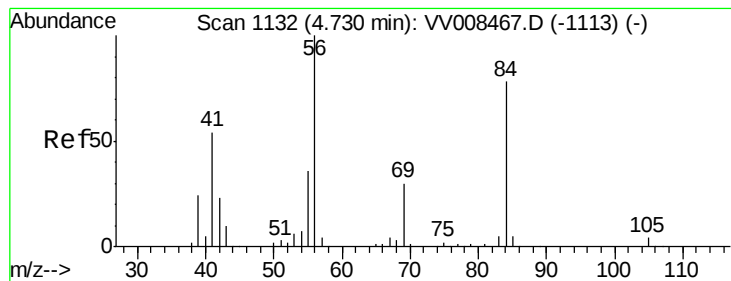
Tgt Ion: 83 Resp: 104685
Ion Ratio Lower Upper
83 100
85 63.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 32.596 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion: 62 Resp: 85902
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 31.433 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

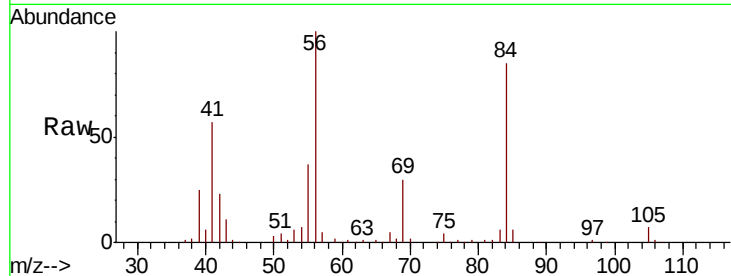
Tgt Ion: 56 Resp: 96687

Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.2

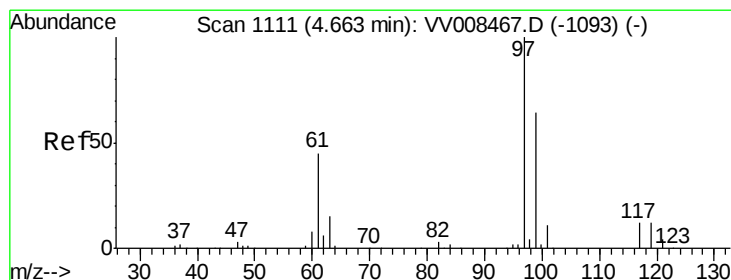
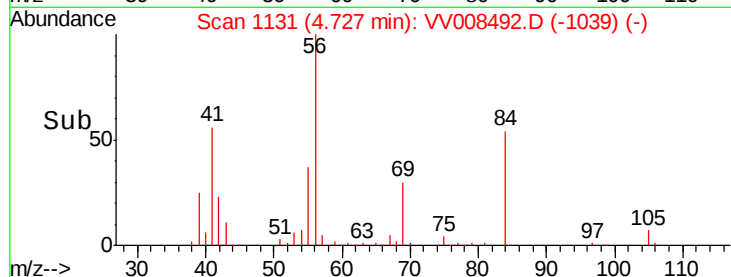
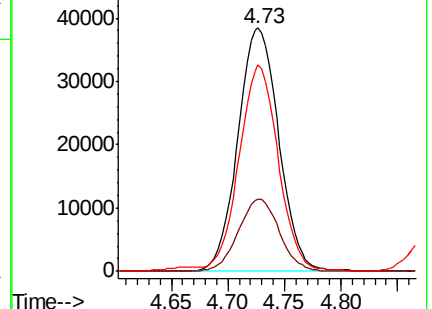
84 81.5 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VV008467.D (-1113) (-)

Ion 69.00 (68.70 to 69.70): VV008467.D (-1113) (-)

Ion 84.00 (83.70 to 84.70): VV008467.D (-1113) (-)



#30

1,1,1-Trichloroethane

Concen: 32.757 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

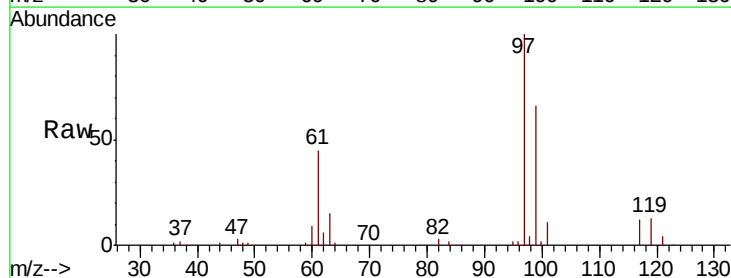
Tgt Ion: 97 Resp: 89542

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

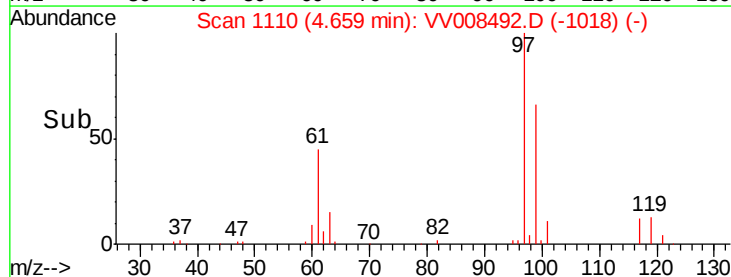
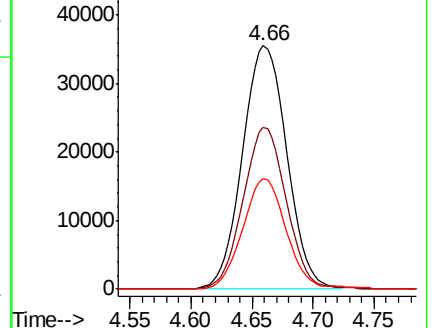
61 44.0 36.2 54.2

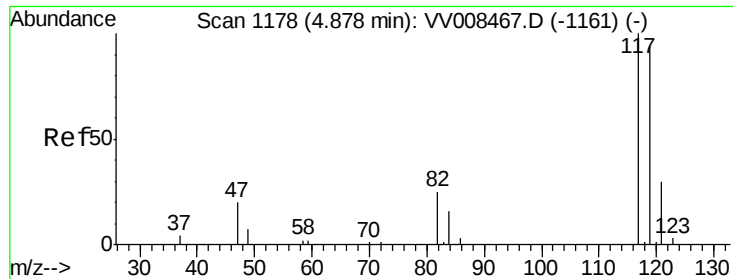


Abundance Ion 97.00 (96.70 to 97.70): VV008467.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV008467.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV008467.D (-1093) (-)





#31

Carbon tetrachloride

Concen: 32.446 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

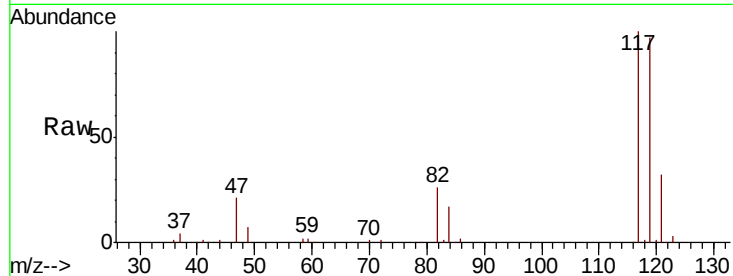
VSTD05065

Tgt Ion:117 Resp: 75338

Ion Ratio Lower Upper

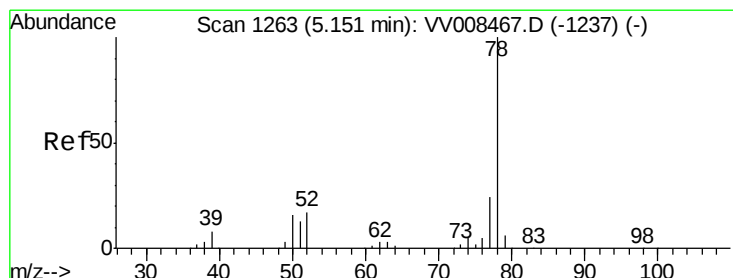
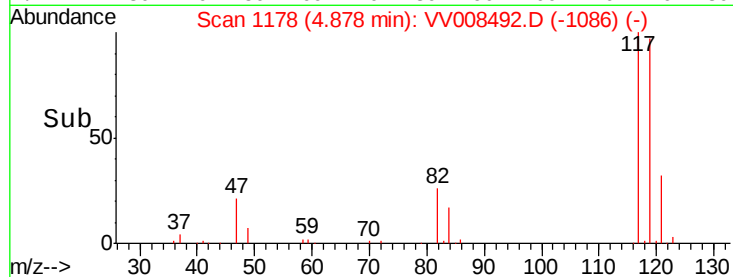
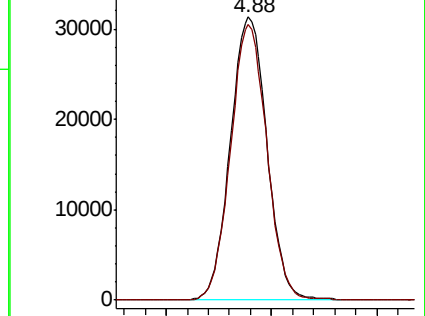
117 100

119 96.3 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 32.610 ug/L

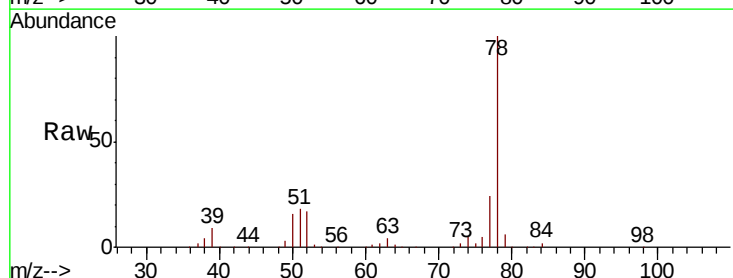
RT: 5.15 min Scan# 1262

Delta R.T. -0.01 min

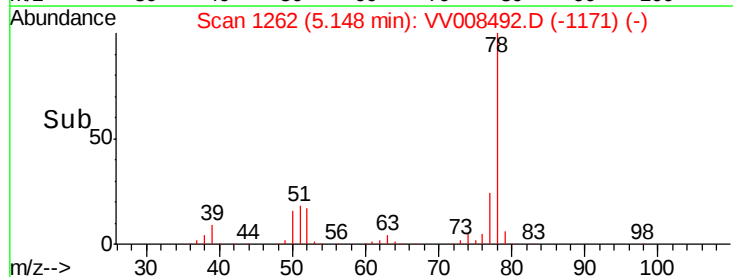
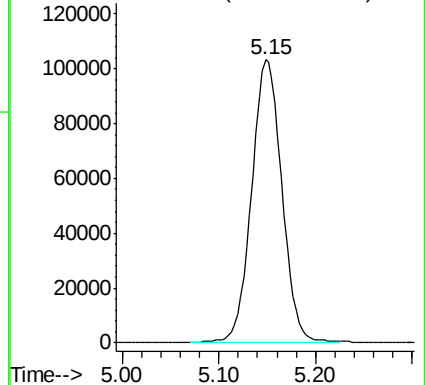
Lab File: VV008492.D

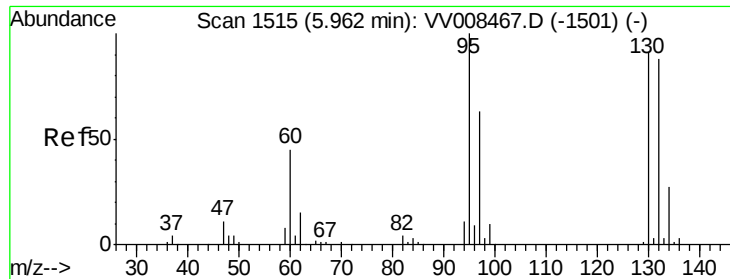
Acq: 31 Oct 2018 13:28

Tgt Ion: 78 Resp: 224932



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 32.505 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion: 95 Resp: 57424

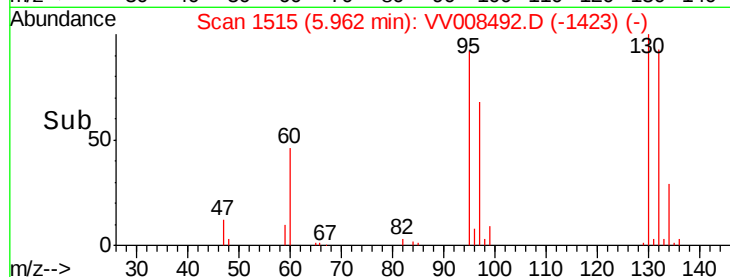
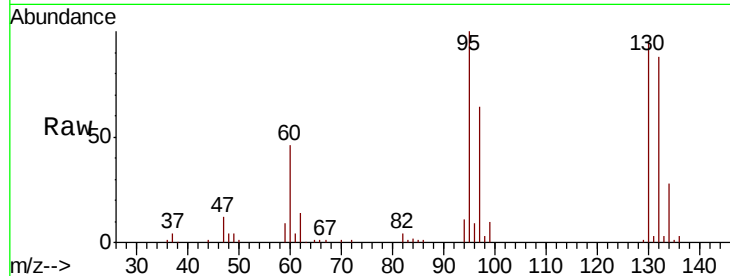
Ion Ratio Lower Upper

95 100

97 64.3 45.3 84.1

132 88.3 62.8 116.6

130 94.9 64.3 119.5

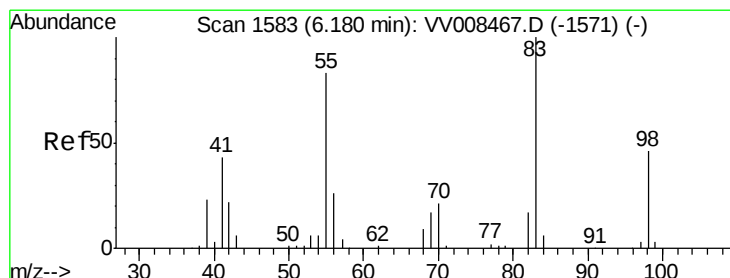
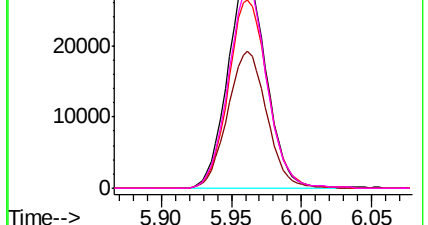


Abundance Ion 95.00 (94.70 to 95.70): VV008467.D (-1501) (-)

Ion 97.00 (96.70 to 97.70): VV008467.D (-1501) (-)

Ion 132.00 (131.70 to 132.70): VV008467.D (-1501) (-)

Ion 130.00 (129.70 to 130.70): VV008467.D (-1501) (-)



#35

Methylcyclohexane

Concen: 32.803 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

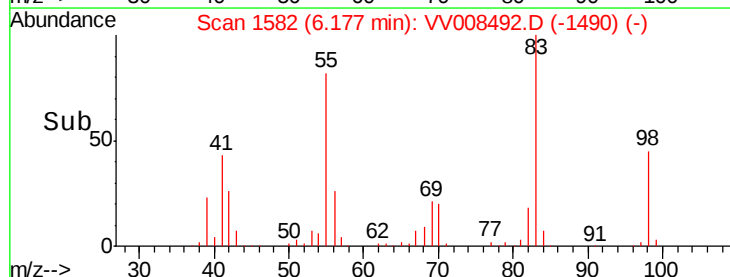
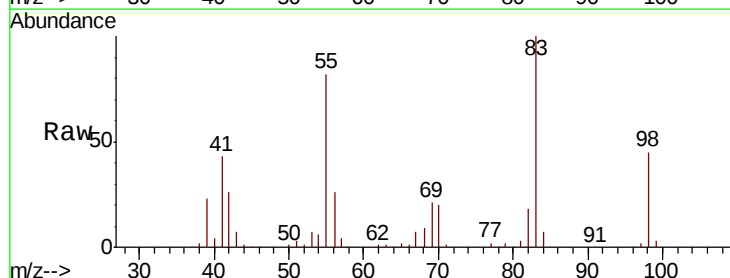
Tgt Ion: 83 Resp: 98692

Ion Ratio Lower Upper

83 100

55 81.7 63.8 95.8

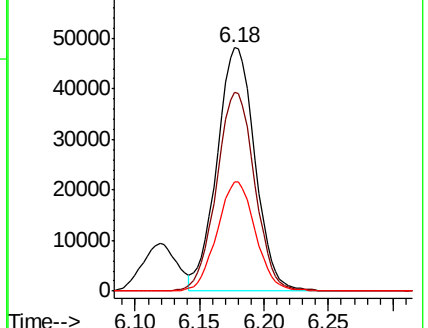
98 45.0 35.9 53.9

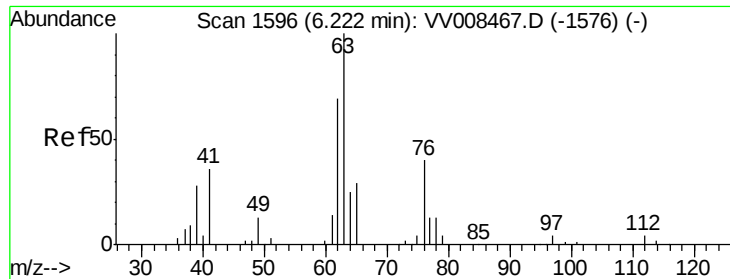


Abundance Ion 83.00 (82.70 to 83.70): VV008467.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV008467.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV008467.D (-1571) (-)





#37

1,2-Dichloropropane

Concen: 33.309 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

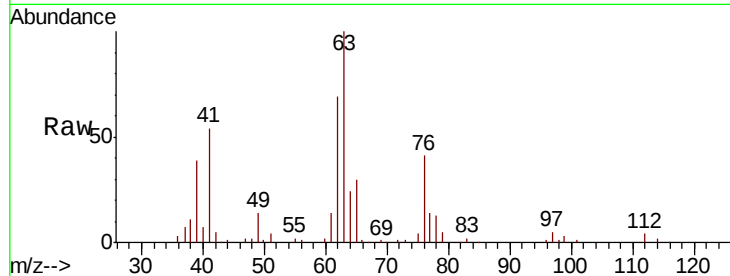
VSTD05065

Tgt Ion: 63 Resp: 63562

Ion Ratio Lower Upper

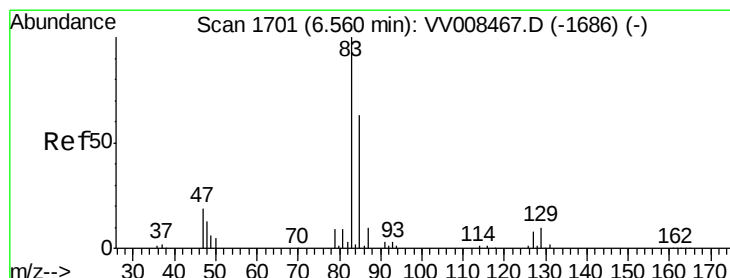
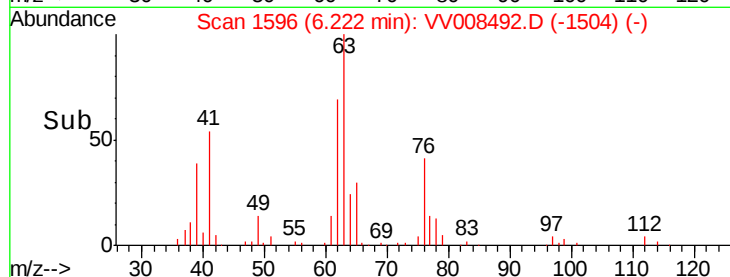
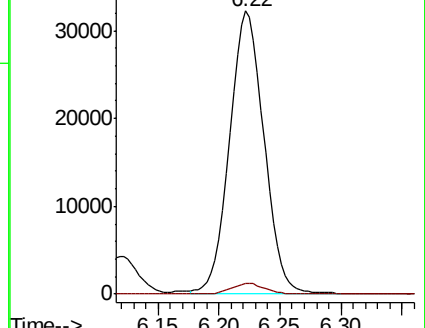
63 100

112 3.5 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VV008467.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008467.D (-1576) (-)



#38

Bromodichloromethane

Concen: 32.892 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

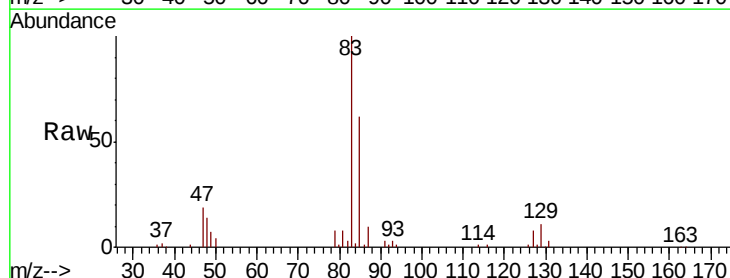
Tgt Ion: 83 Resp: 79802

Ion Ratio Lower Upper

83 100

85 62.2 43.3 80.5

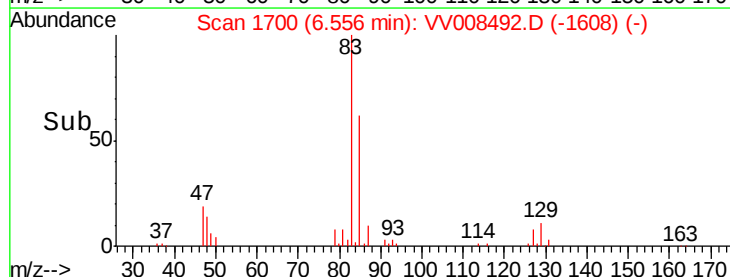
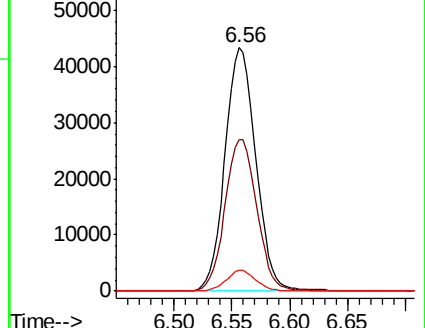
127 8.4 6.1 9.1

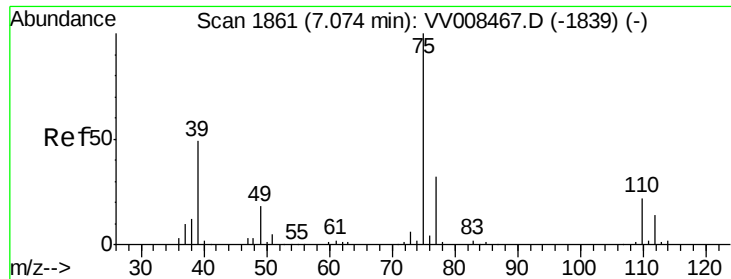


Abundance Ion 83.00 (82.70 to 83.70): VV008467.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV008467.D (-1686) (-)

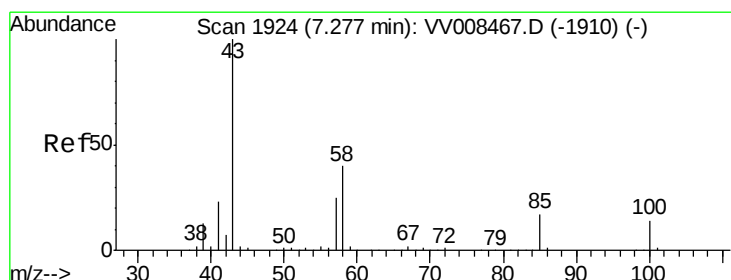
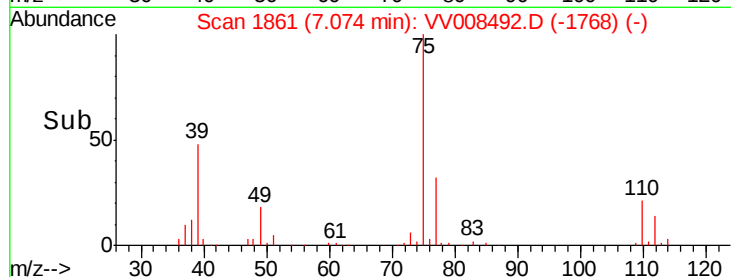
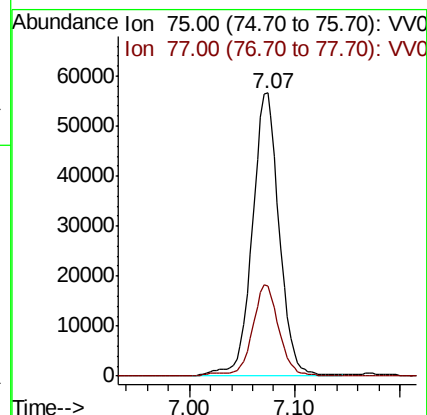
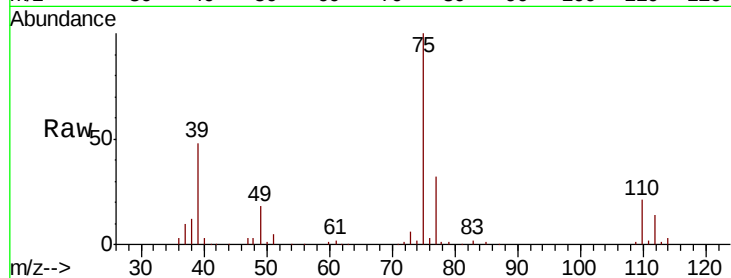




#39
 cis-1,3-Dichloropropene
 Concen: 33.756 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

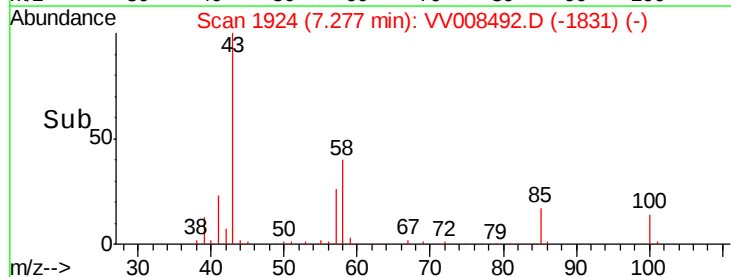
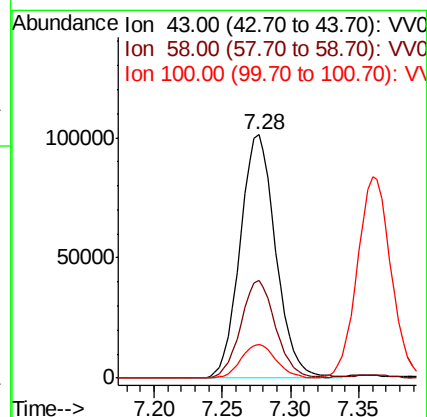
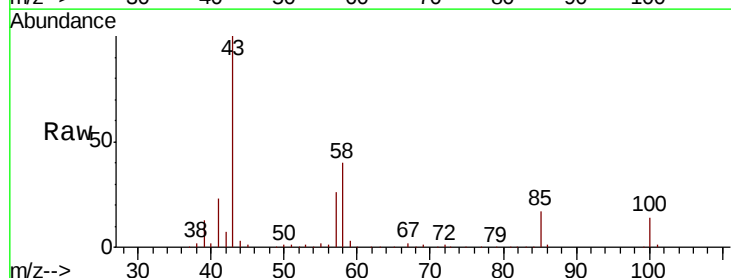
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

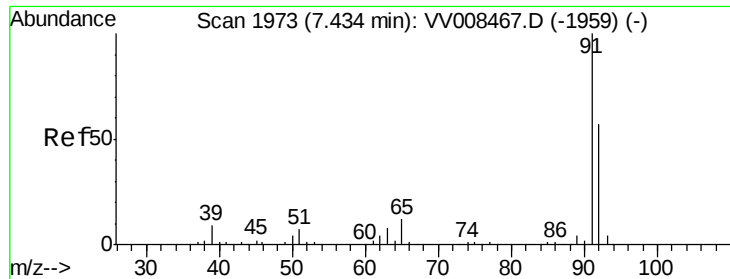
Tgt Ion: 75 Resp: 101065
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 65.118 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

Tgt Ion: 43 Resp: 184078
 Ion Ratio Lower Upper
 43 100
 58 39.1 30.8 46.2
 100 13.6 11.0 16.6





#42

Toluene

Concen: 32.769 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

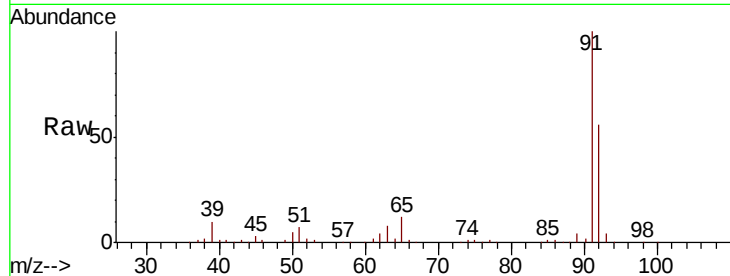
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 91 Resp: 234118

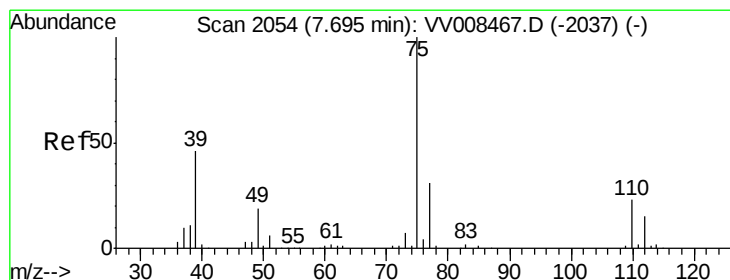
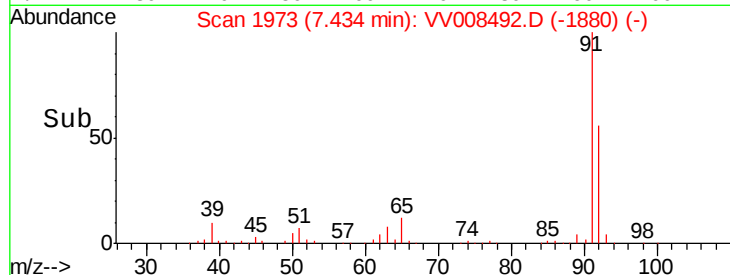
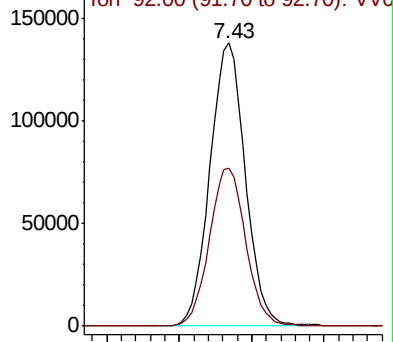
Ion Ratio Lower Upper

91 100

92 56.0 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 33.168 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008492.D

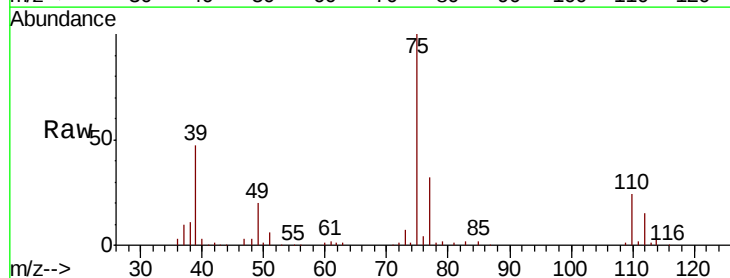
Acq: 31 Oct 2018 13:28

Tgt Ion: 75 Resp: 93018

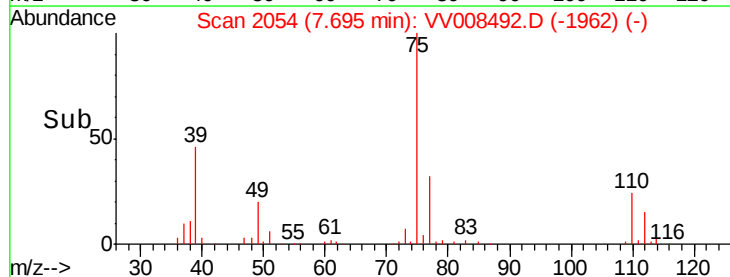
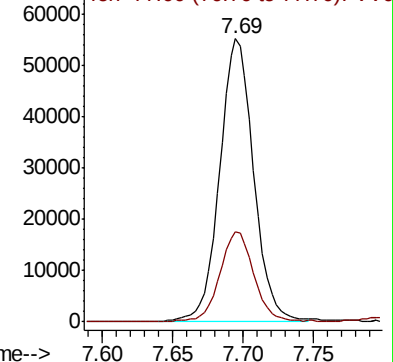
Ion Ratio Lower Upper

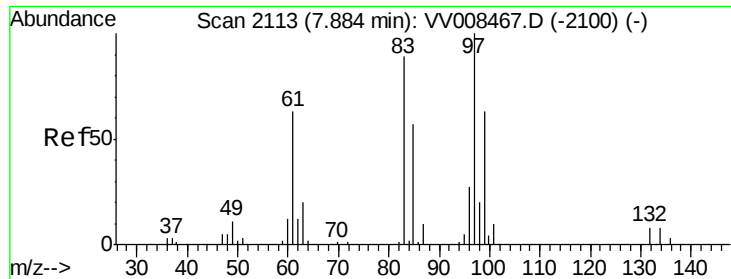
75 100

77 31.9 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2037) (-)

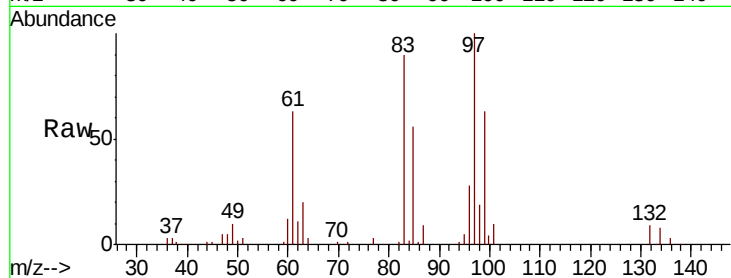




#45
1,1,2-Trichloroethane
Concen: 33.179 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

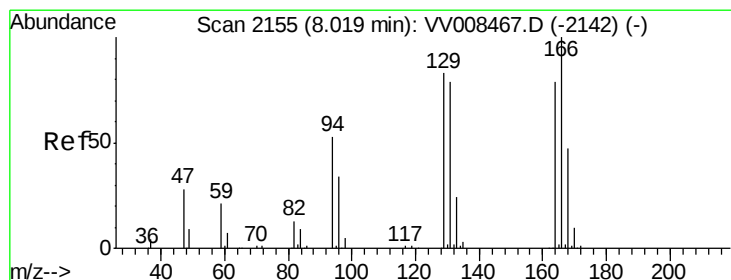
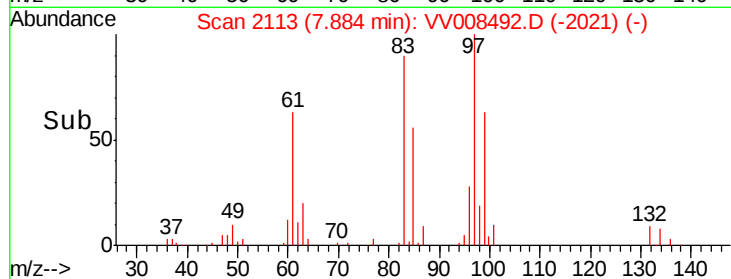
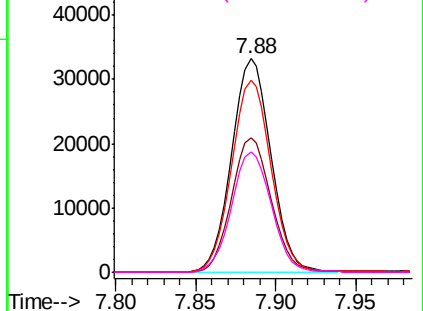
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:	97	Resp:	55738
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	83.1
83	90.0	63.6	118.0
85	56.4	40.9	75.9



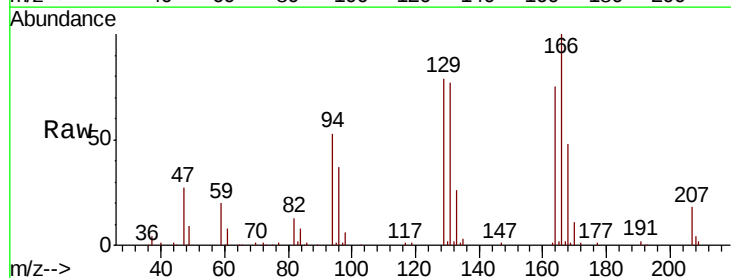
Abundance

Ion 97.00 (96.70 to 97.70): VV008492.D (-2063) (-)



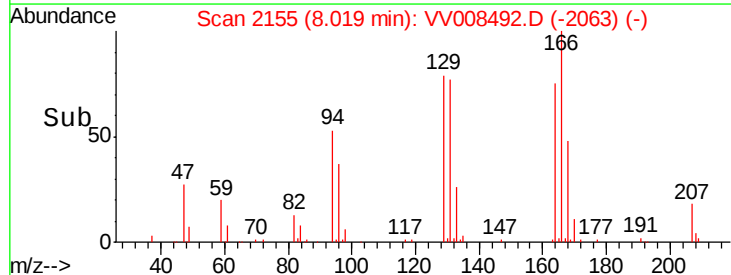
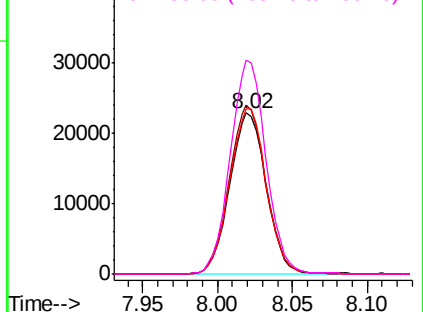
#46
Tetrachloroethene
Concen: 33.589 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

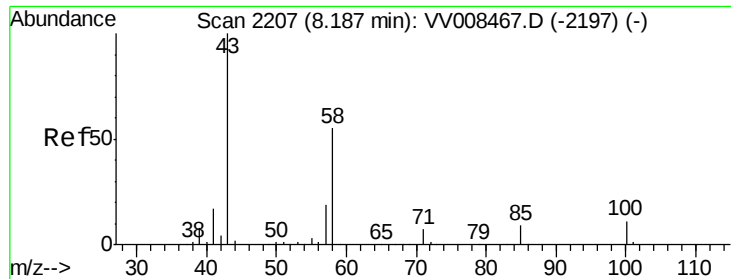
Tgt Ion:	164	Resp:	38945
Ion	Ratio	Lower	Upper
164	100		
129	104.8	72.0	133.6
131	102.9	68.8	127.8
166	132.8	86.5	160.7



Abundance

Ion 164.00 (163.70 to 164.70): VV008492.D (-2063) (-)

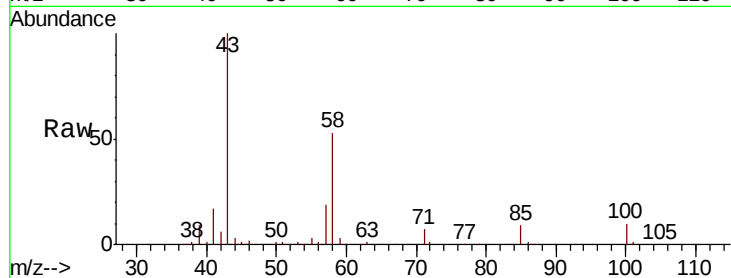




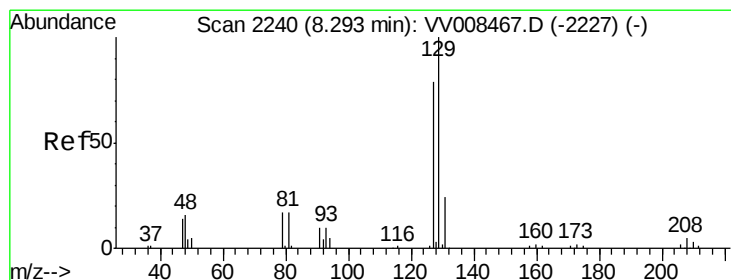
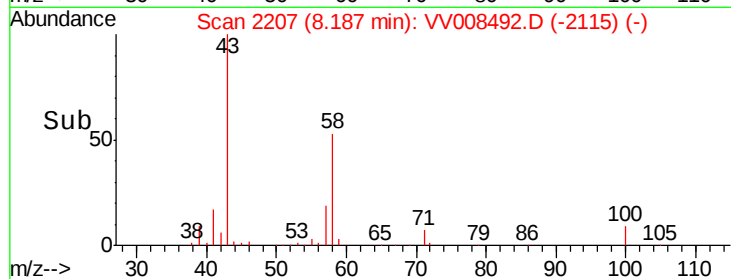
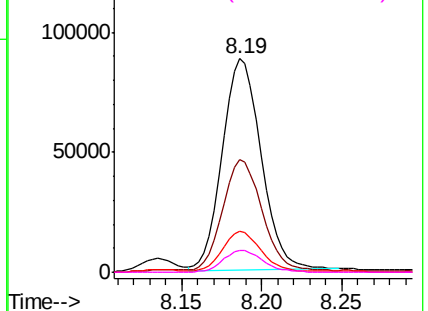
#48
2-Hexanone
Concen: 66.282 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 43 Resp: 146755
Ion Ratio Lower Upper
43 100
58 53.1 43.6 65.4
57 19.0 15.0 22.6
100 10.7 8.3 12.5

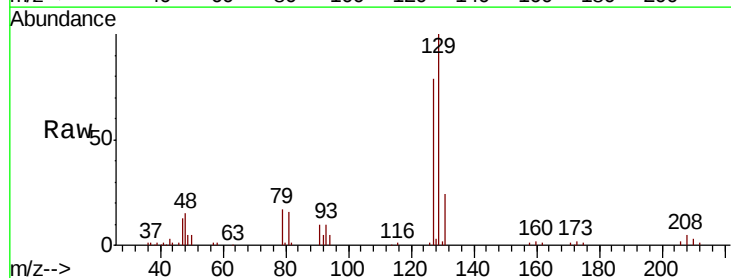


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

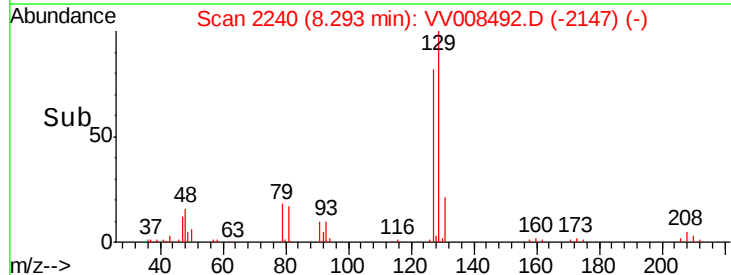
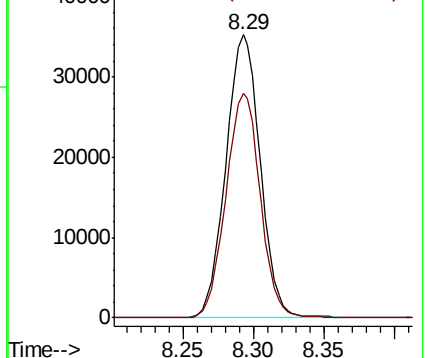


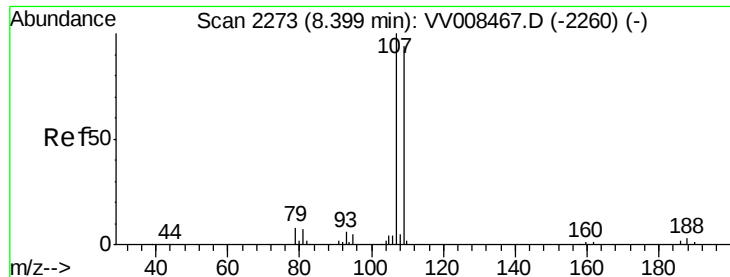
#49
Dibromochloromethane
Concen: 33.200 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion: 129 Resp: 60007
Ion Ratio Lower Upper
129 100
127 79.3 53.9 100.1



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

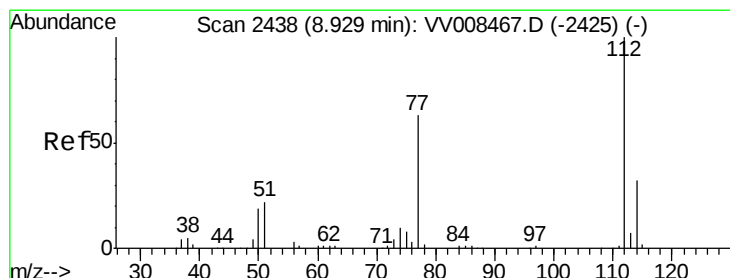
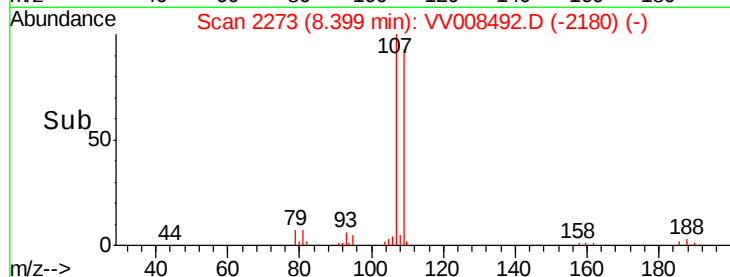
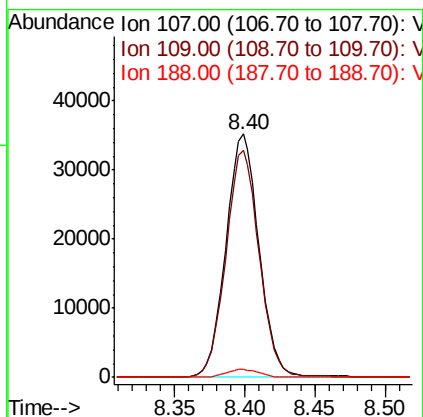
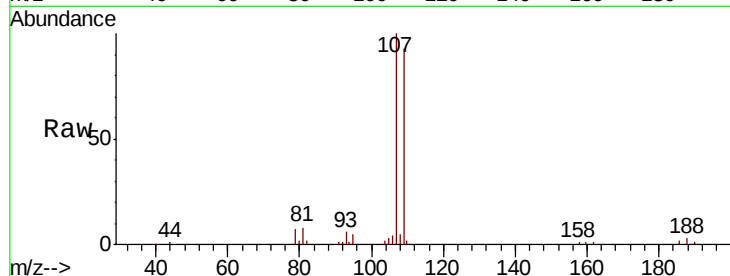




#50
1,2-Dibromoethane
Concen: 32.752 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

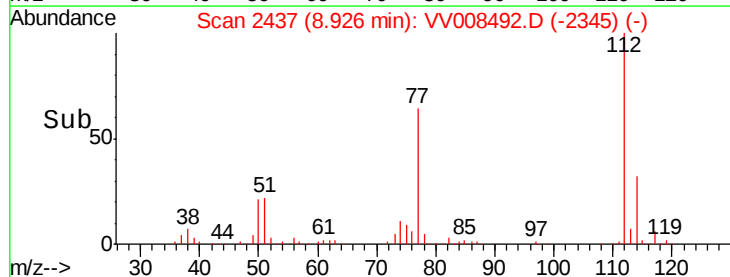
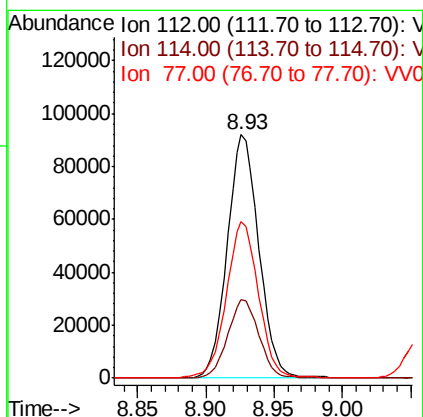
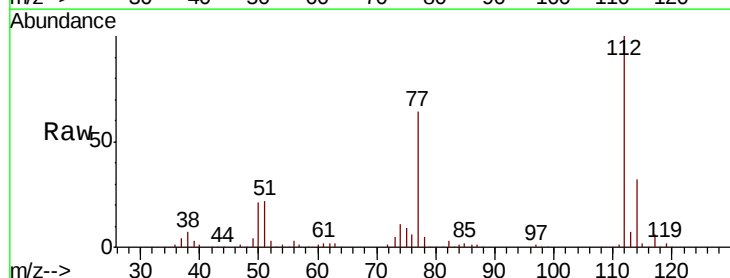
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

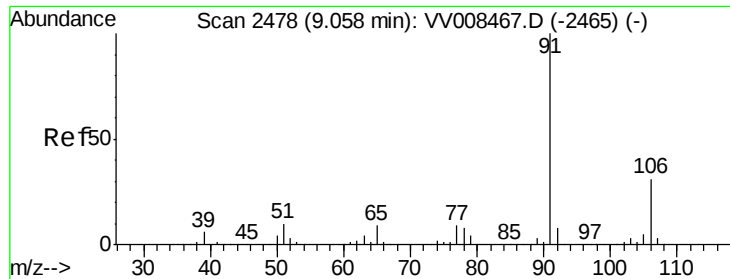
Tgt Ion:107 Resp: 57722
Ion Ratio Lower Upper
107 100
109 93.3 67.3 125.1
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 33.562 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion:112 Resp: 148191
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 64.3 50.5 75.7





#52

Ethylbenzene

Concen: 33.286 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

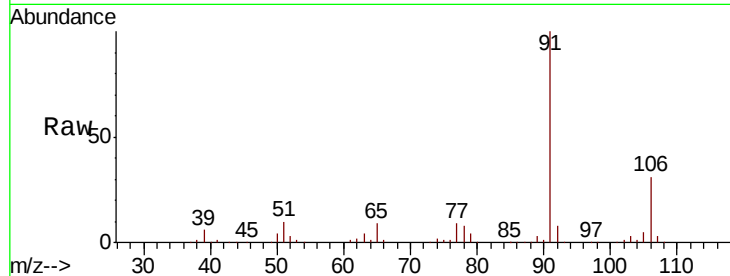
VSTD05065

Tgt Ion: 91 Resp: 266956

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008492.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008492.D (-2385) (-)

9.06

150000

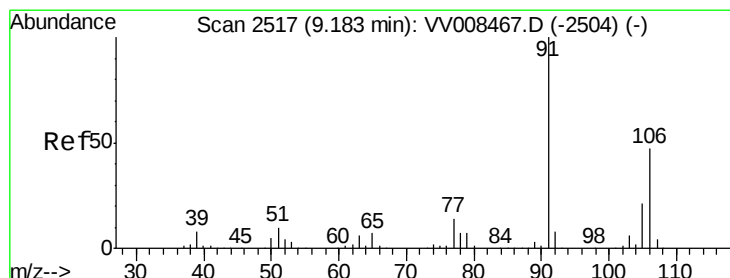
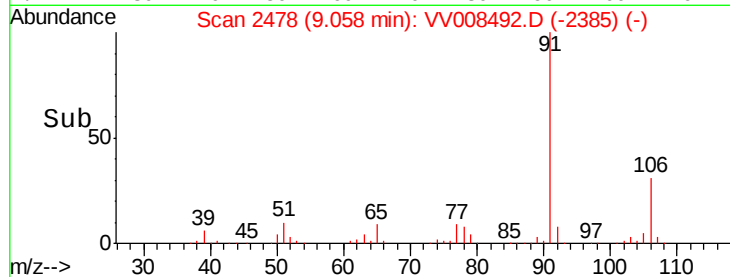
100000

50000

0

Time-->

9.00 9.05 9.10



#53

m,p-Xylene

Concen: 33.742 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008492.D

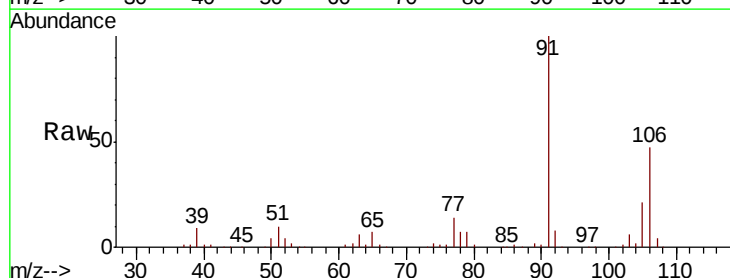
Acq: 31 Oct 2018 13:28

Tgt Ion: 106 Resp: 99371

Ion Ratio Lower Upper

106 100

91 212.9 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008492.D (-2425) (-)

Ion 91.00 (90.70 to 91.70): VV008492.D (-2425) (-)

9.18

150000

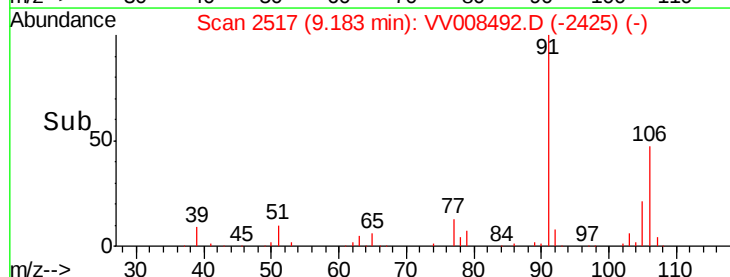
100000

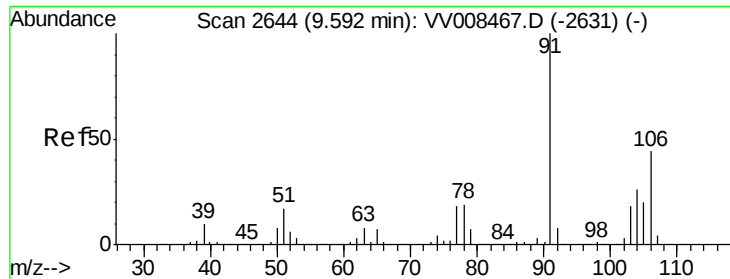
50000

0

Time-->

9.10 9.15 9.20 9.25

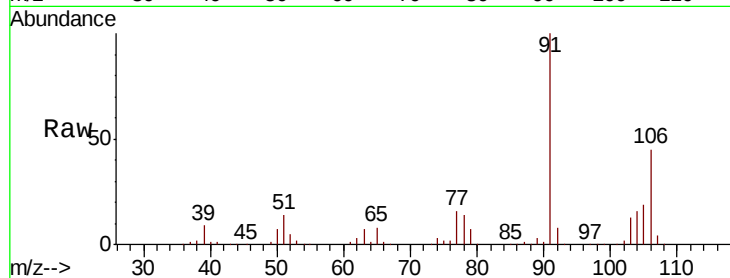




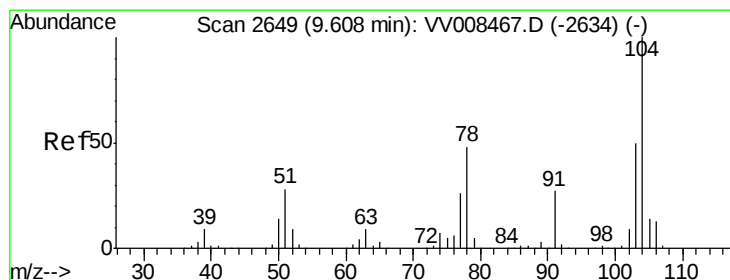
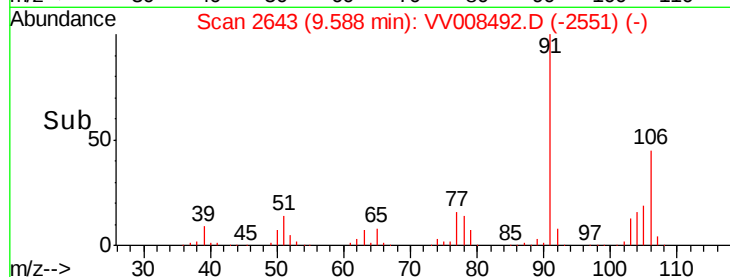
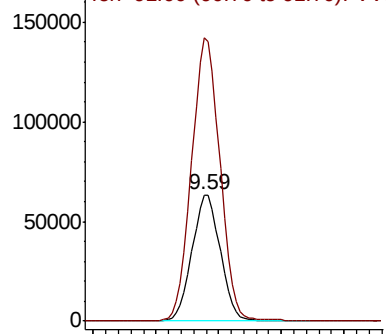
#54
o-xylene
Concen: 33.891 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:106 Resp: 99597
Ion Ratio Lower Upper
106 100
91 224.5 156.9 291.5

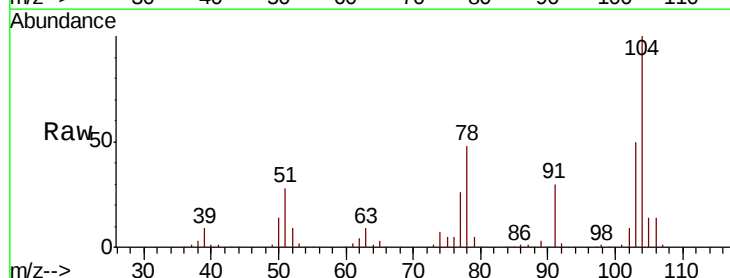


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

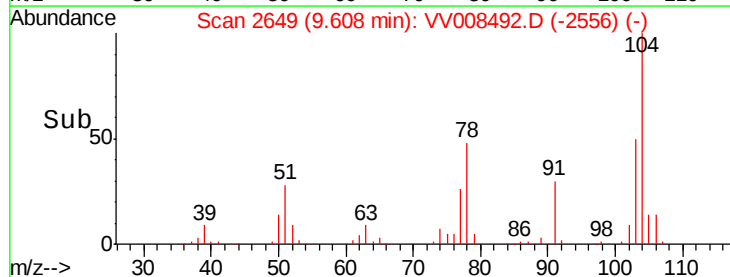
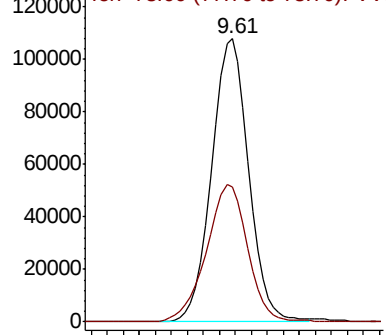


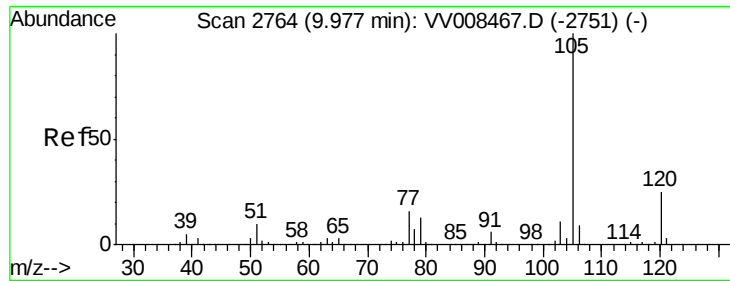
#55
Styrene
Concen: 34.242 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008492.D
Acq: 31 Oct 2018 13:28

Tgt Ion:104 Resp: 169385
Ion Ratio Lower Upper
104 100
78 47.8 33.7 62.7



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





#56

Isopropylbenzene

Concen: 34.050 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

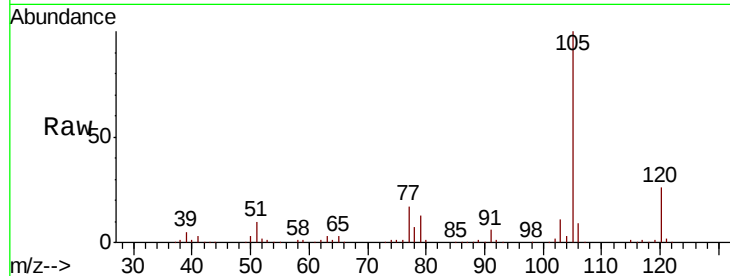
Tgt Ion: 105 Resp: 261759

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

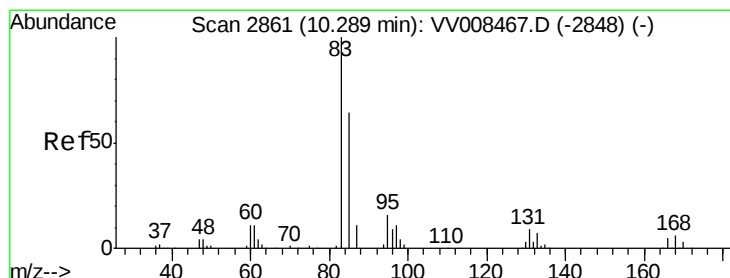
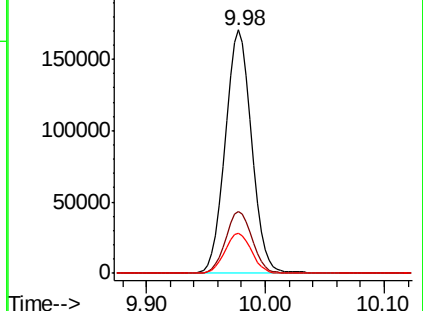
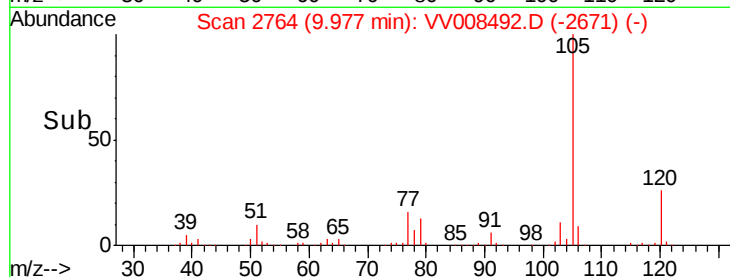
77 16.8 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 34.168 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

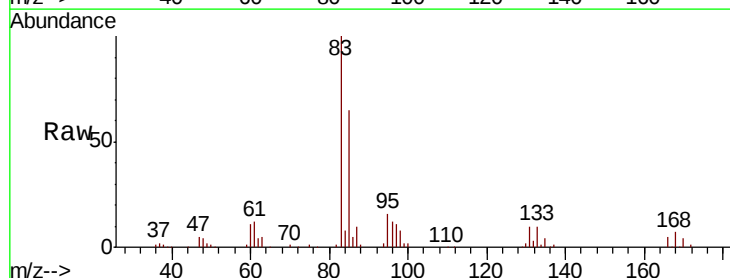
Tgt Ion: 83 Resp: 101077

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.9

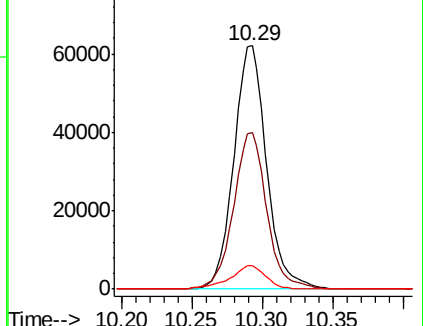
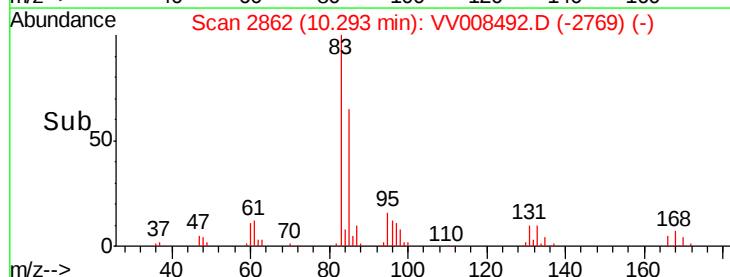
131 9.6 7.4 11.2

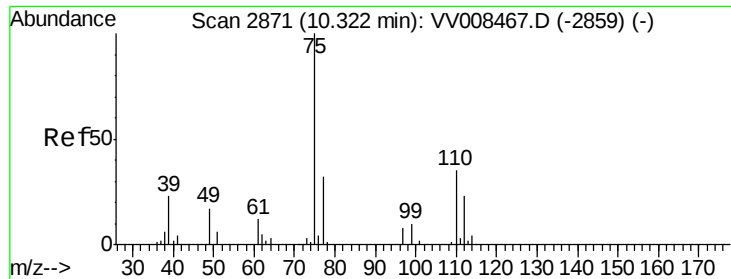


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 34.023 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

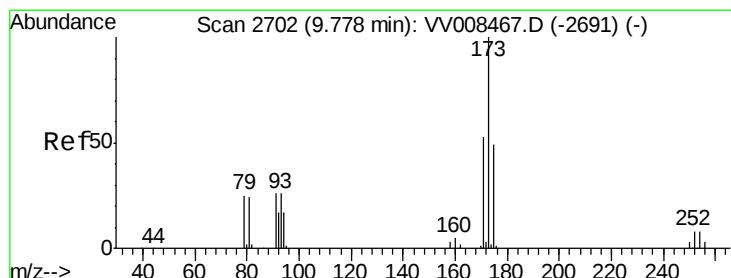
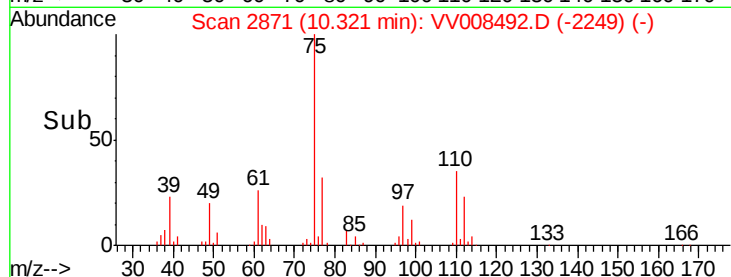
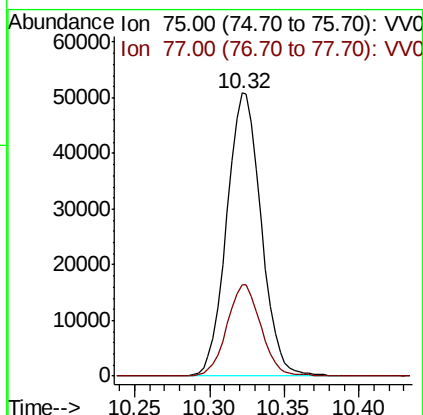
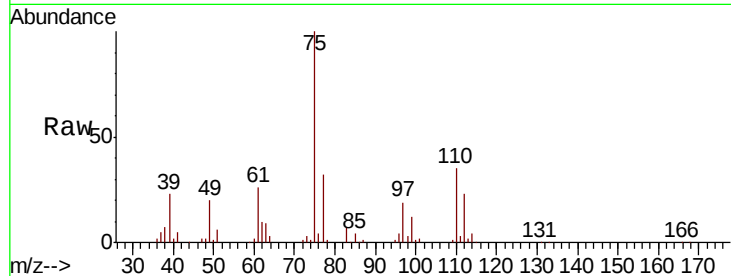
VSTD05065

Tgt Ion: 75 Resp: 81631

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#61

Bromoform

Concen: 32.790 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

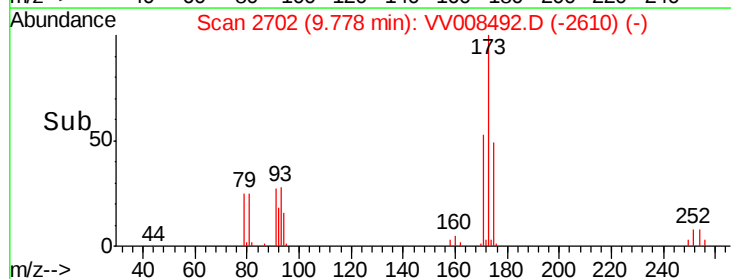
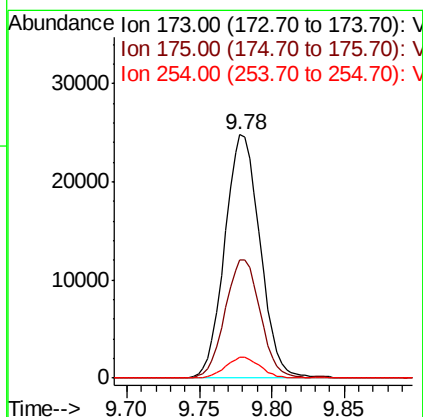
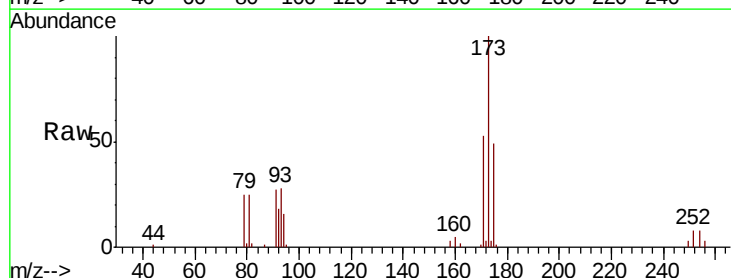
Tgt Ion: 173 Resp: 41918

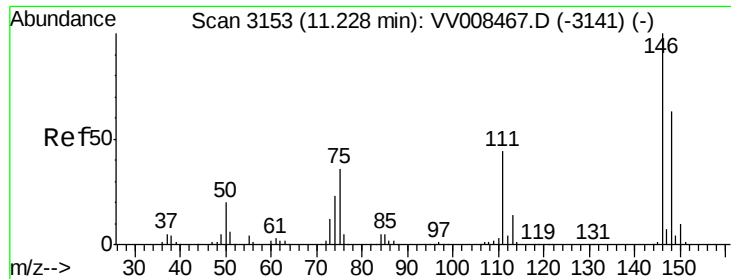
Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 8.3 6.0 9.0





#62

1,3-Dichlorobenzene

Concen: 34.118 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

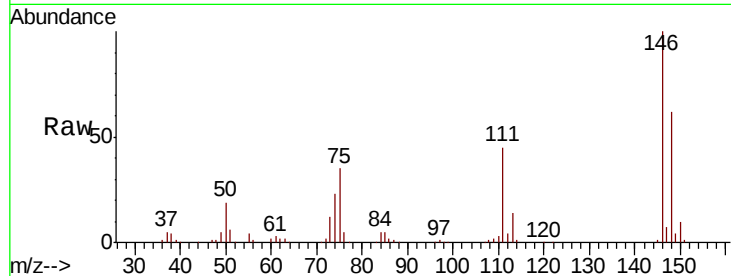
Tgt Ion:146 Resp: 115001

Ion Ratio Lower Upper

146 100

111 45.3 30.3 56.3

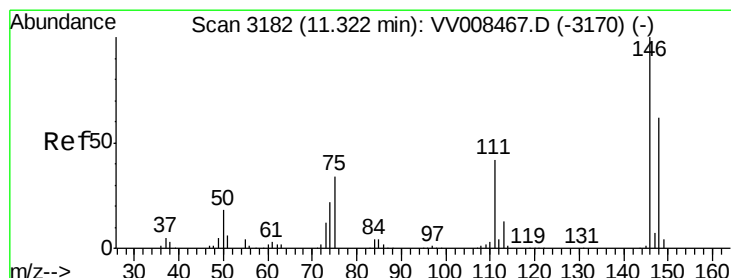
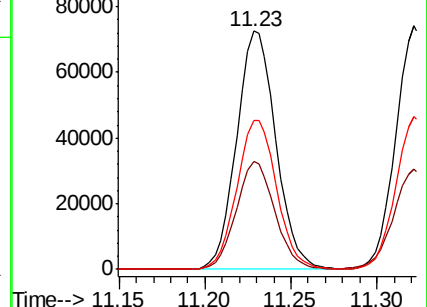
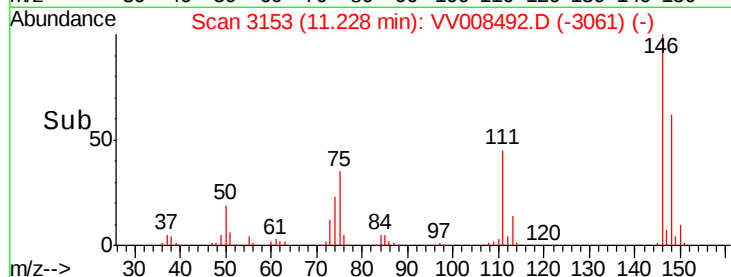
148 62.3 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 34.068 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

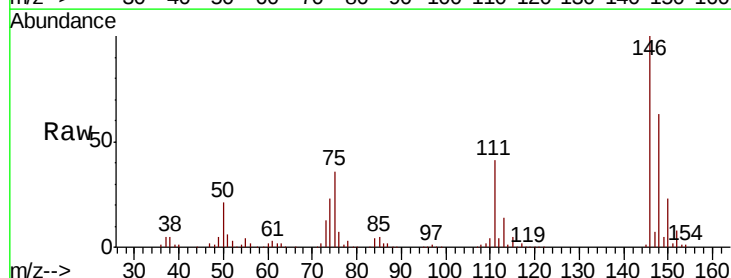
Tgt Ion:146 Resp: 114880

Ion Ratio Lower Upper

146 100

111 40.9 29.8 55.4

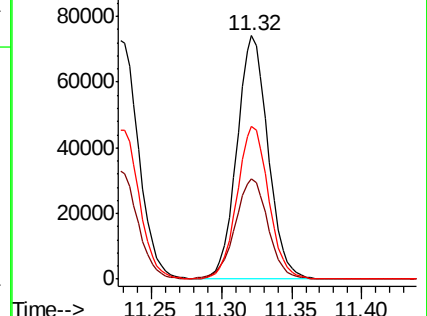
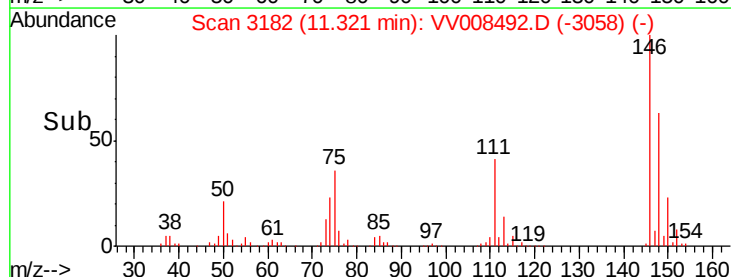
148 62.9 44.5 82.7

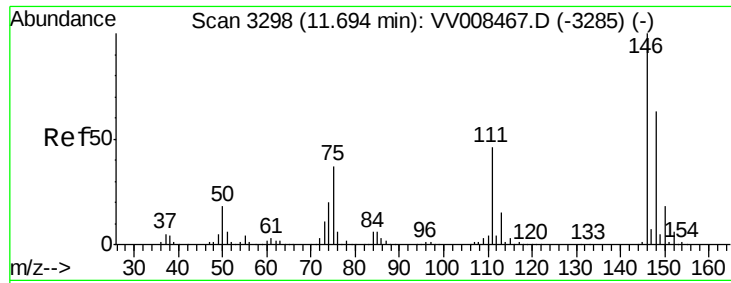


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 33.780 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

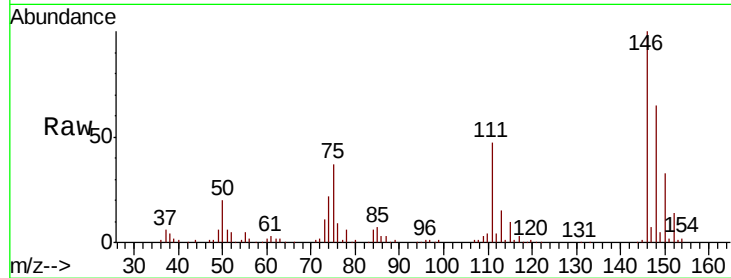
Tgt Ion: 146 Resp: 115939

Ion Ratio Lower Upper

146 100

111 46.8 35.9 53.9

148 65.1 50.6 76.0

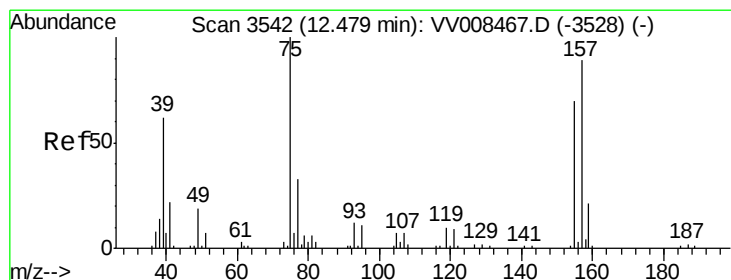
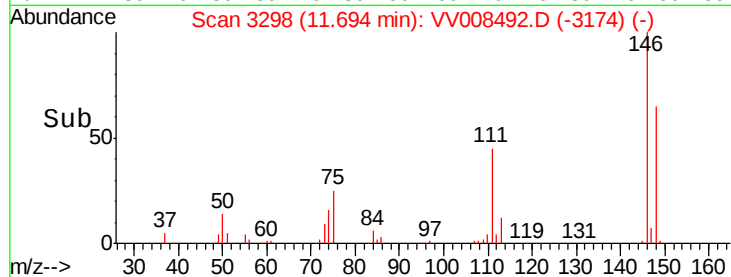
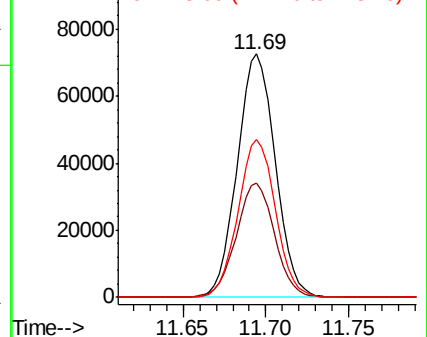


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 31.379 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

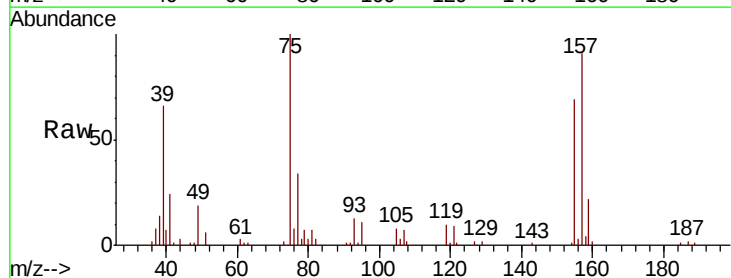
Tgt Ion: 75 Resp: 21957

Ion Ratio Lower Upper

75 100

155 69.1 55.8 83.8

157 91.1 72.0 108.0

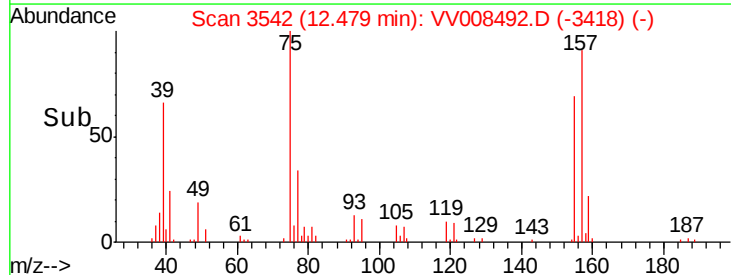
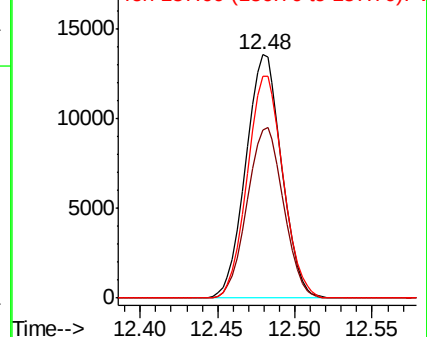


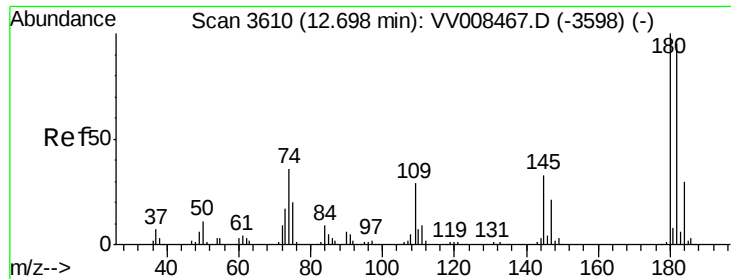
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

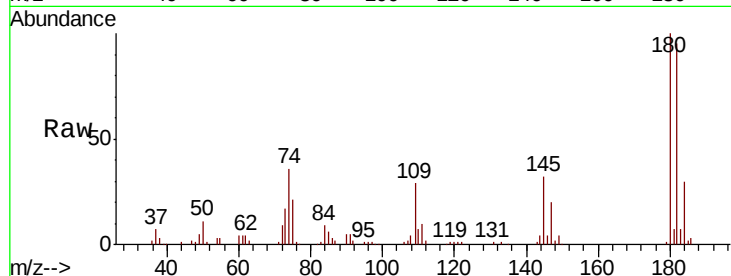




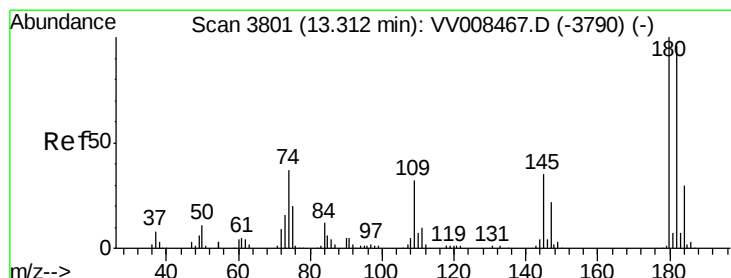
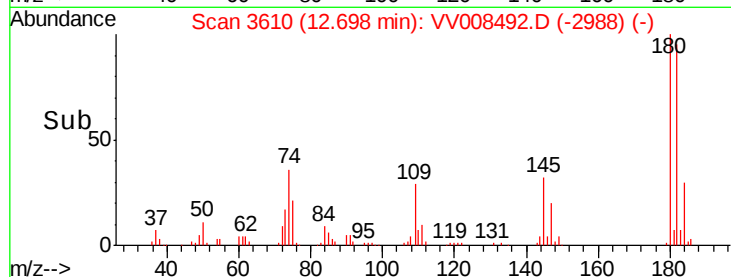
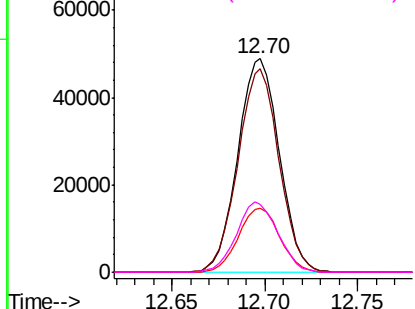
#67
 1,3,5-Trichlorobenzene
 Concen: 34.495 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion:180 Resp: 76087
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.6 113.4
 184 29.7 23.6 35.4
 145 32.4 26.2 39.4

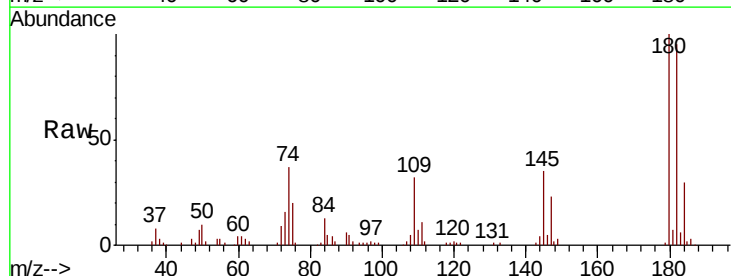


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

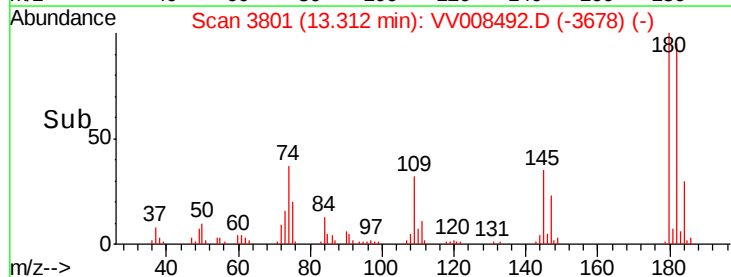
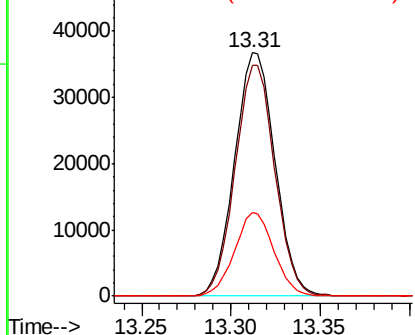


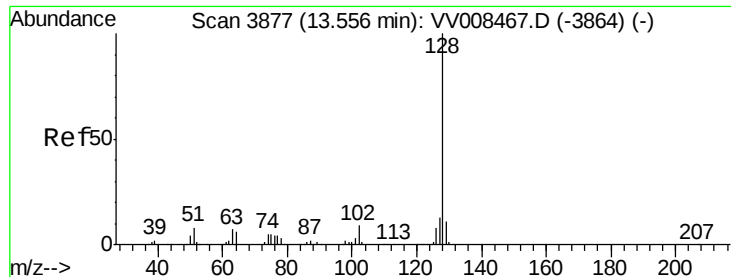
#68
 1,2,4-trichlorobenzene
 Concen: 32.865 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008492.D
 Acq: 31 Oct 2018 13:28

Tgt Ion:180 Resp: 58212
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.9 113.9
 145 33.4 27.2 40.8



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





#69

Naphthalene

Concen: 29.399 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

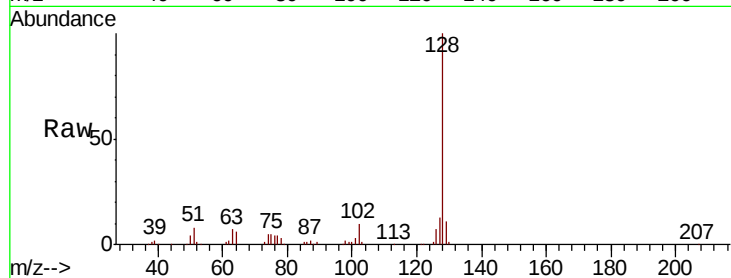
Tgt Ion:128 Resp: 167052

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

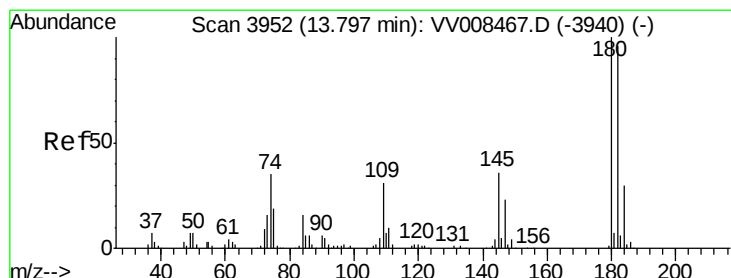
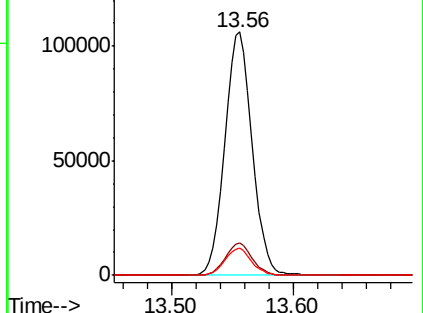
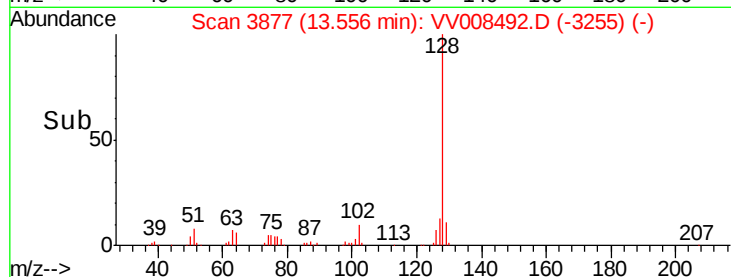
129 10.8 8.5 12.7



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: 32.783 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008492.D

Acq: 31 Oct 2018 13:28

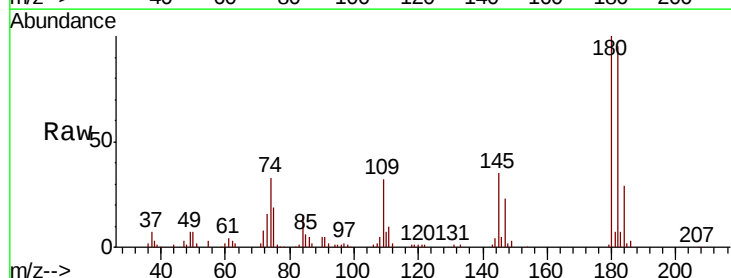
Tgt Ion:180 Resp: 58170

Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

145 35.6 29.0 43.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

