

Data File : VV014215.D
Acq On : 28 Dec 2019 14:48
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Quant Time: Dec 30 00:34:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 30 00:30:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	807401	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	734178	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	346420	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	197862	5.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.60%
7) Chloroethane-d5	1.58	69	166682	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	362350	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	3.93	46	598892	63.76	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.52%
24) Chloroform-d	4.39	84	487932	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.07	65	237348	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	1024417	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.11	67	318433	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.35	98	944682	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.66	79	131399	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.13	63	537277	52.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.30%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	219026	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	308101	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	273624	4.469 ug/L	98
3) Chloromethane	1.25	50	254590	4.588 ug/L	98
5) Vinyl chloride	1.32	62	257954	4.896 ug/L	100
6) Bromomethane	1.53	94	96333	3.948 ug/L	100
8) Chloroethane	1.60	64	141463	5.039 ug/L	98
9) Trichlorofluoromethane	1.77	101	344232	5.086 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	184598	5.053 ug/L	98
12) 1,1-Dichloroethene	2.14	96	173445	4.863 ug/L	99
13) Acetone	2.19	43	304645	52.582 ug/L	97
14) Carbon disulfide	2.32	76	713754	4.573 ug/L	99
15) Methyl Acetate	2.46	43	88336	4.604 ug/L	98
16) Methylene chloride	2.53	84	257350	4.280 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	577361	4.371 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	253358	4.547 ug/L	99
19) 1,1-Dichloroethane	3.23	63	482764	4.673 ug/L	96
21) 2-Butanone	4.01	43	585040	54.374 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	272070	4.482 ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	101778	4.313	ug/L	93
25) Chloroform	4.42	83	488069	4.660	ug/L	98
27) 1,2-Dichloroethane	5.17	62	267330	4.557	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	414312	4.650	ug/L	99
30) Cyclohexane	4.72	56	463936	4.761	ug/L	99
31) Carbon tetrachloride	4.87	117	352258	4.630	ug/L	100
33) Benzene	5.14	78	1043421	4.595	ug/L	100
34) Trichloroethene	5.96	95	271017	4.455	ug/L	99
35) Methylcyclohexane	6.17	83	483957	4.774	ug/L	98
37) 1,2-Dichloropropane	6.22	63	260777	4.727	ug/L	99
38) Bromodichloromethane	6.55	83	334750	4.547	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	420162	4.654	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1484181	43.254	ug/L	99
42) Toluene	7.42	91	1118890	4.486	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	317273	4.494	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	167972	4.464	ug/L	99
47) Tetrachloroethene	8.01	164	190336	4.476	ug/L	99
48) 2-Hexanone	8.18	43	1023211	43.120	ug/L	100
49) Dibromochloromethane	8.28	129	202876	4.228	ug/L	98
50) 1,2-Dibromoethane	8.39	107	152787	4.225	ug/L	95
51) Chlorobenzene	8.92	112	685361	4.443	ug/L	99
52) Ethylbenzene	9.05	91	1278497	4.616	ug/L	100
53) m,p-xylene	9.17	106	474739	4.562	ug/L	98
54) o-xylene	9.58	106	460081	4.527	ug/L	97
55) Styrene	9.60	104	767046	4.496	ug/L	97
56) Isopropylbenzene	9.97	105	1228164	4.608	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	198695	4.380	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	148417	4.402	ug/L	98
61) Bromoform	9.77	173	101139	4.000	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	512584	4.470	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	506563	4.419	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	465360	4.427	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	34187	3.949	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	370382	4.436	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	324867	4.436	ug/L	98
69) Naphthalene	13.55	128	541089	4.057	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	273232	4.274	ug/L	99

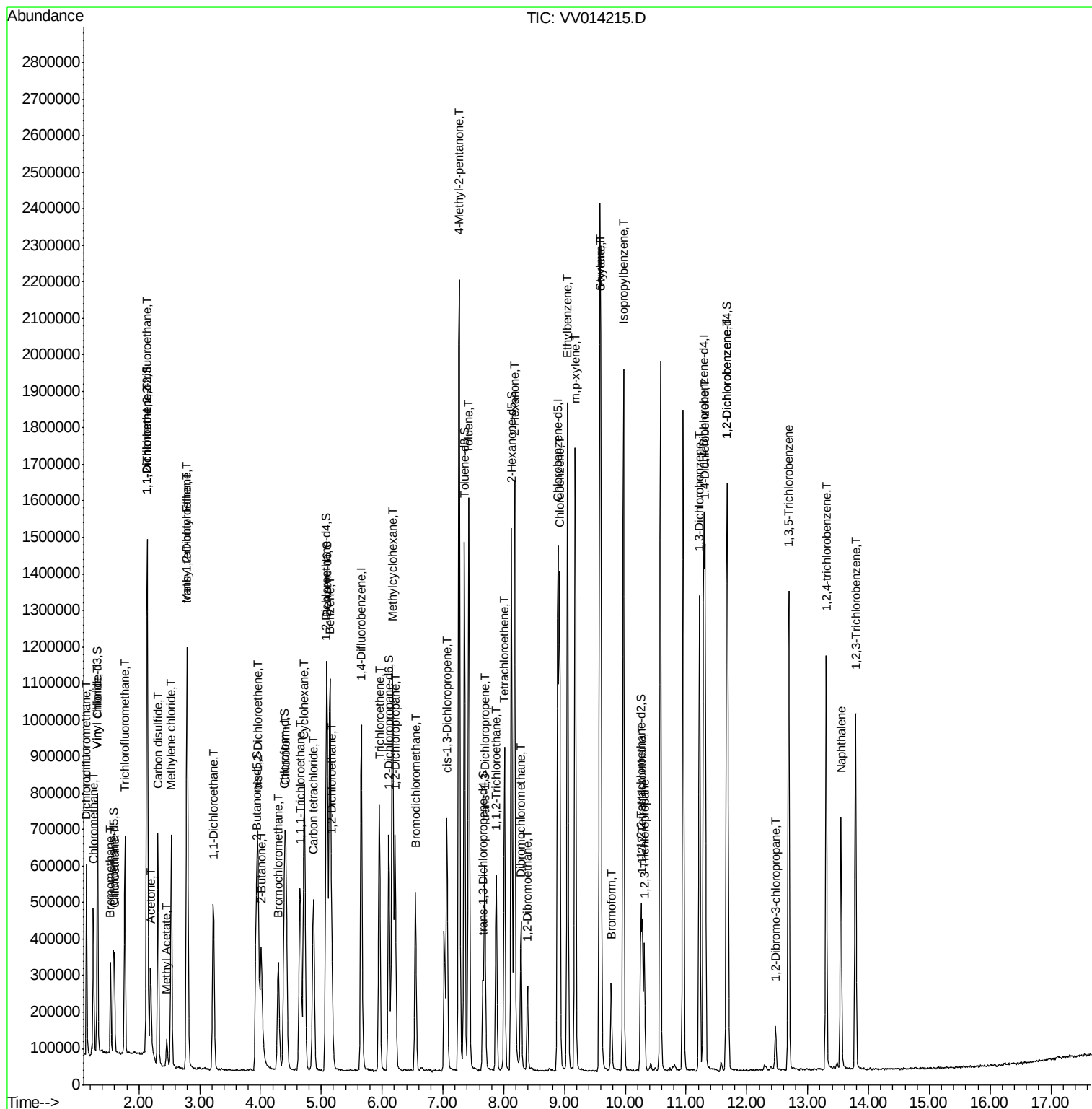
(#) = qualifier out of range (m) = manual integration (+) = signals summed

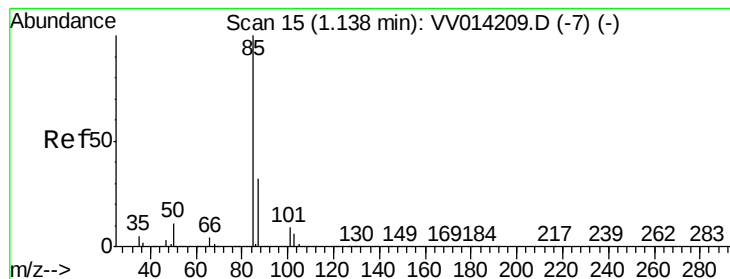
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#2

Dichlorodifluoromethane

Concen: 4.469 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

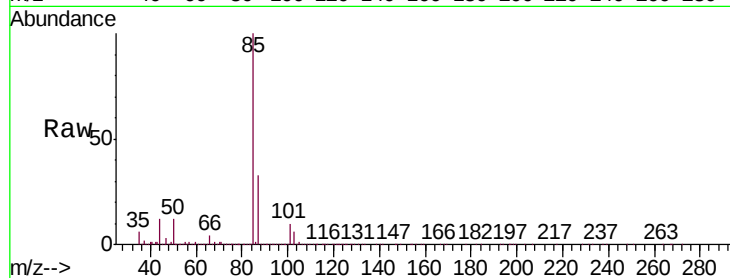
VSTD00543

Tgt Ion: 85 Resp: 273624

Ion Ratio Lower Upper

85 100

87 32.6 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014209.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014209.D (-7) (-)

1.14

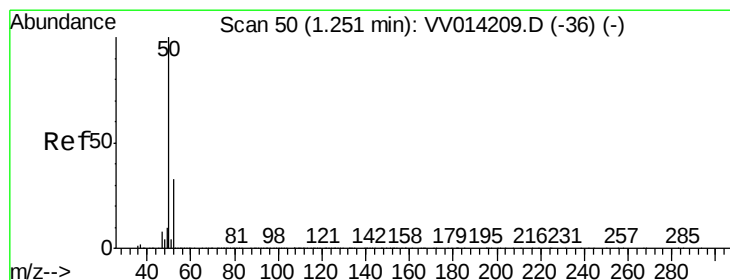
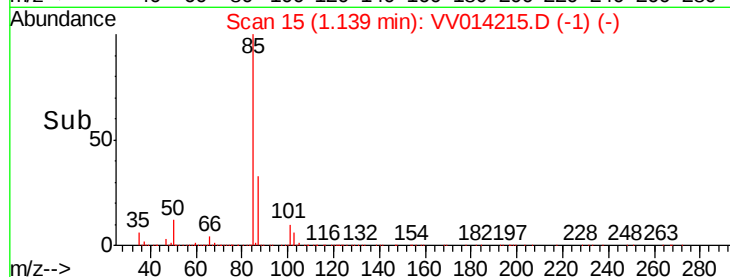
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 4.588 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014215.D

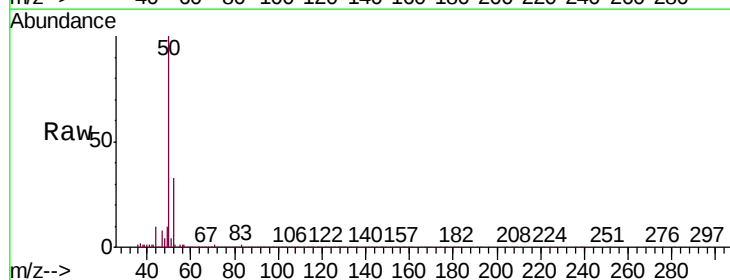
Acq: 28 Dec 2019 14:48

Tgt Ion: 50 Resp: 254590

Ion Ratio Lower Upper

50 100

52 32.9 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014209.D (-36) (-)

Ion 52.05 (51.75 to 52.75): VV014209.D (-36) (-)

1.25

250000

200000

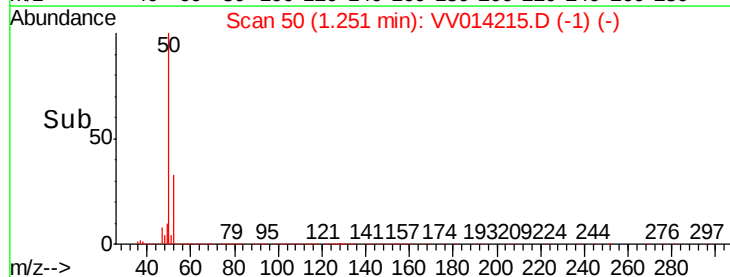
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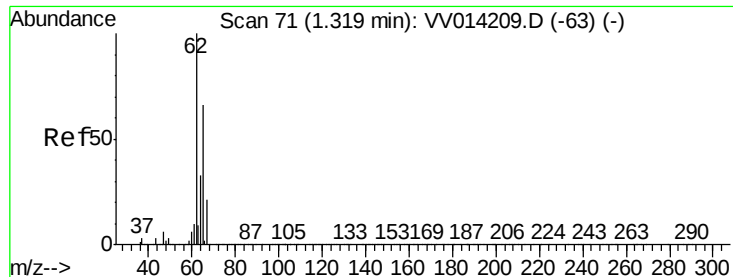
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.896 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

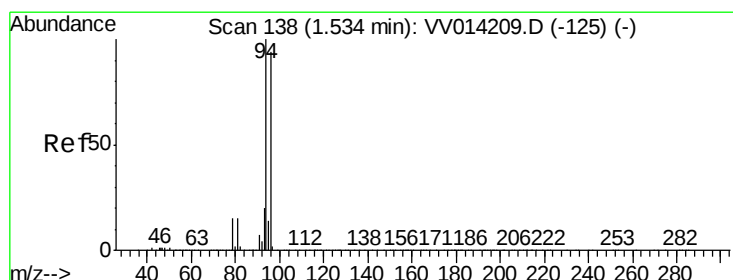
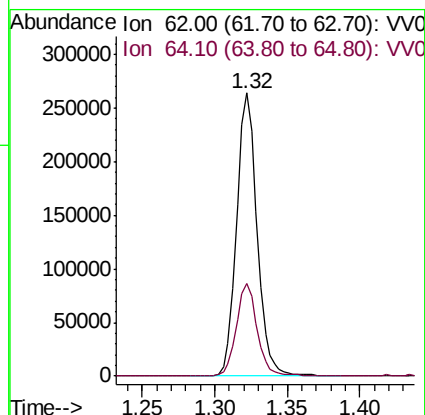
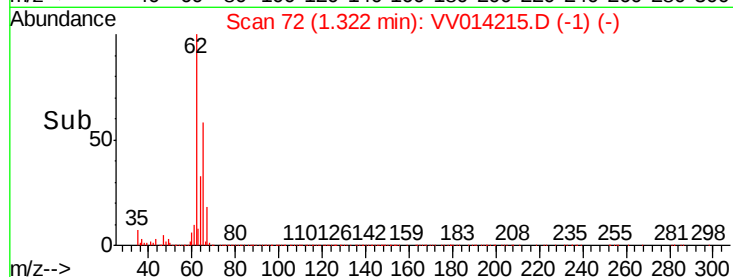
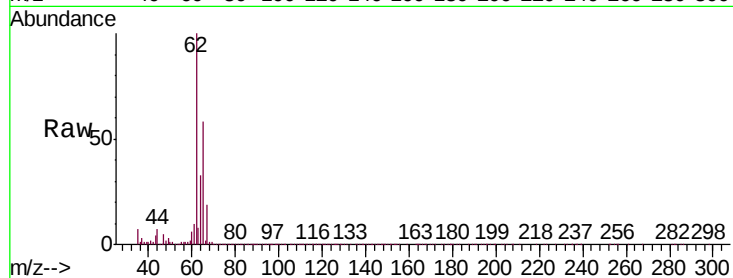
VSTD00543

Tgt Ion: 62 Resp: 257954

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 3.948 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014215.D

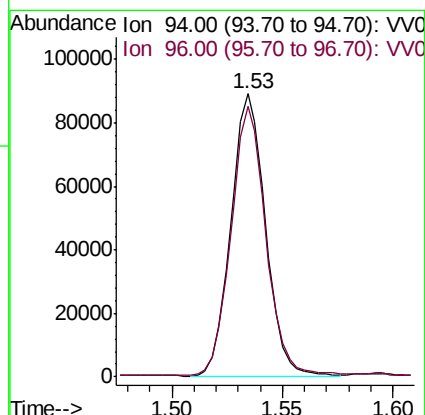
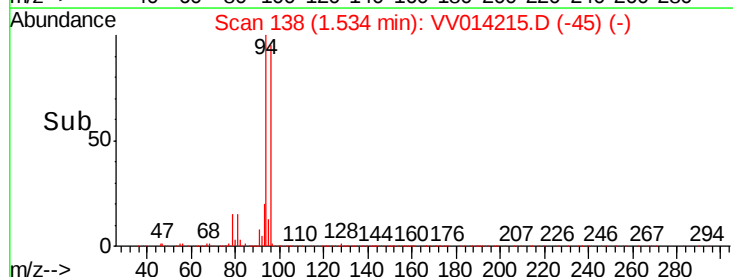
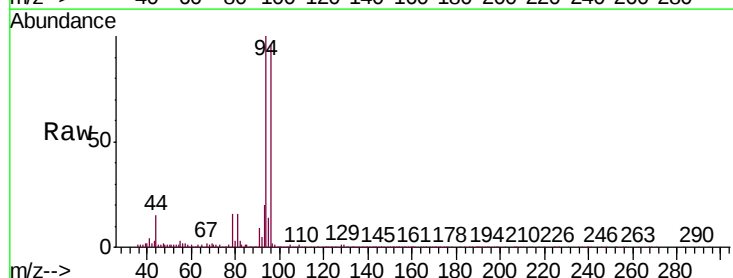
Acq: 28 Dec 2019 14:48

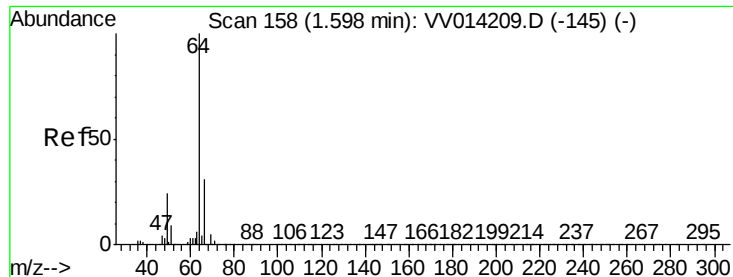
Tgt Ion: 94 Resp: 96333

Ion Ratio Lower Upper

94 100

96 95.7 66.9 124.3





#8

Chloroethane

Concen: 5.039 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

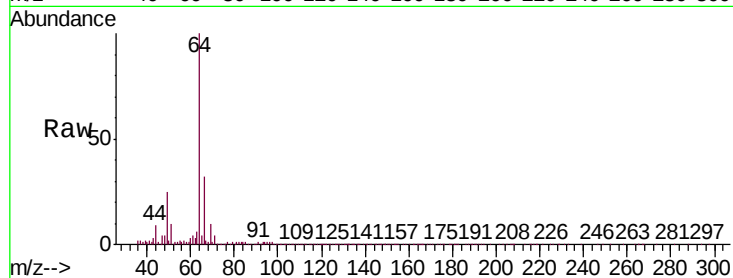
VSTD00543

Tgt Ion: 64 Resp: 141463

Ion Ratio Lower Upper

64 100

66 32.3 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014215.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV014215.D (-65) (-)

150000

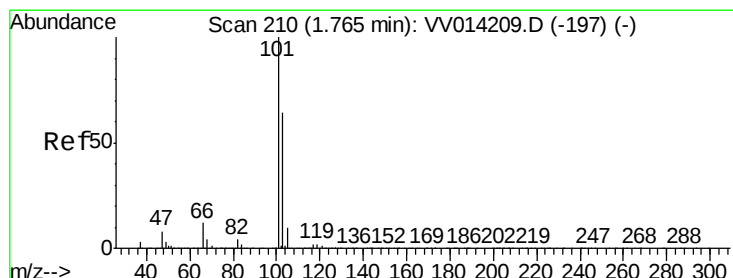
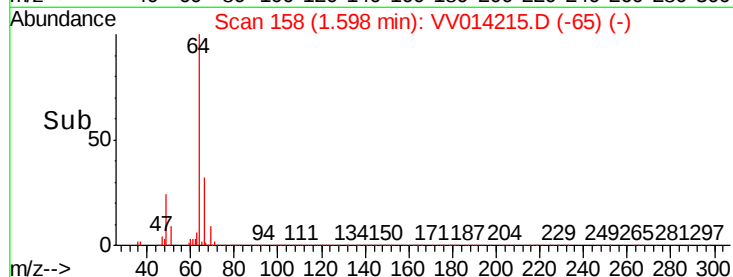
100000

50000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 5.086 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014215.D

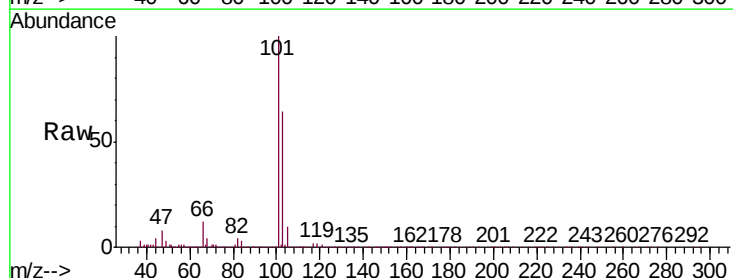
Acq: 28 Dec 2019 14:48

Tgt Ion: 101 Resp: 344232

Ion Ratio Lower Upper

101 100

103 63.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV014215.D (-117) (-)

Ion 103.00 (102.70 to 103.70): VV014215.D (-117) (-)

300000

250000

200000

150000

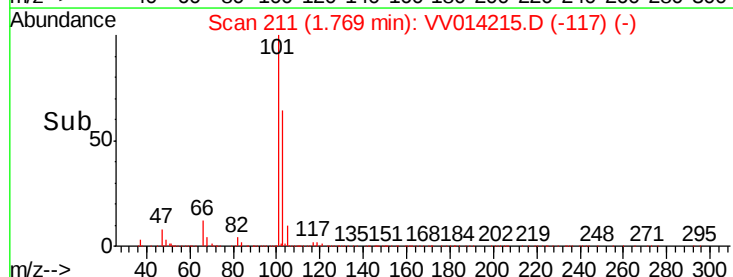
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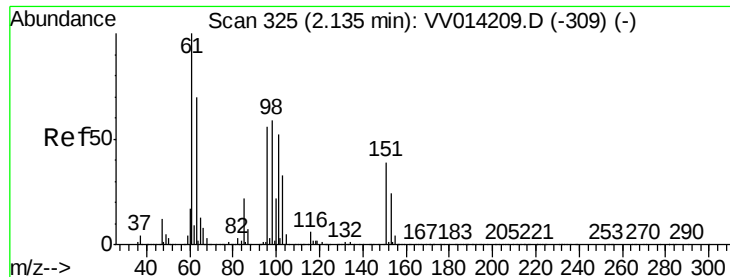
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 5.053 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

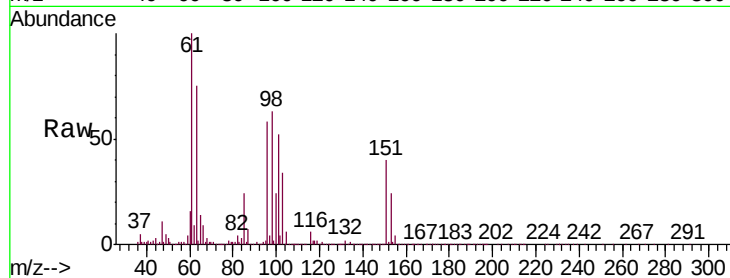
Tgt Ion: 101 Resp: 184598

Ion Ratio Lower Upper

101 100

85 43.3 34.9 52.3

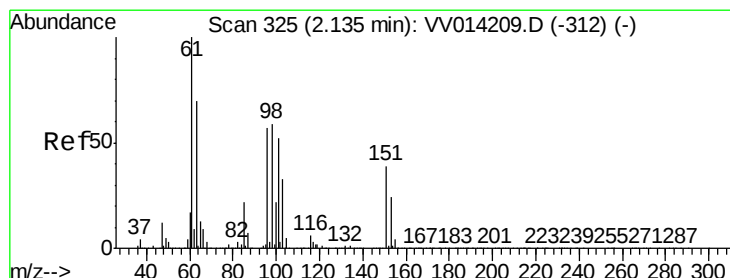
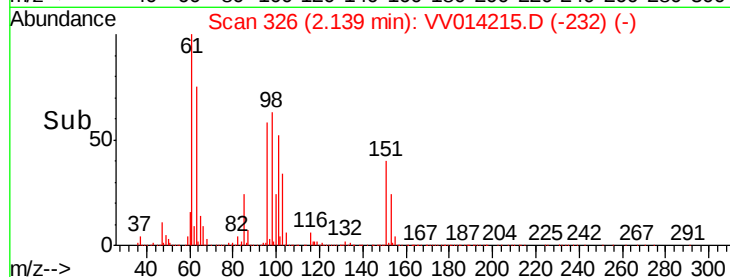
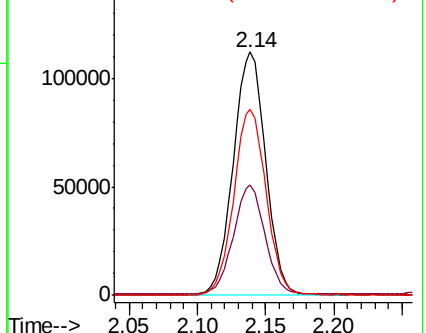
151 76.2 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014215.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV014215.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV014215.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.863 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

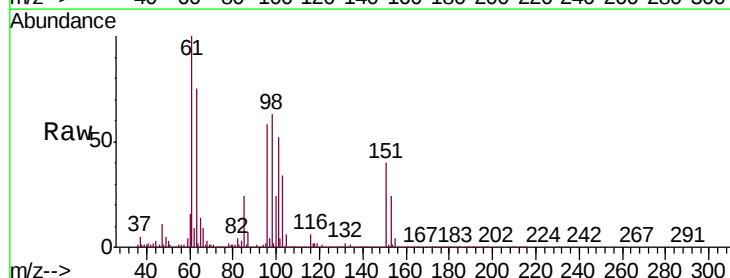
Tgt Ion: 96 Resp: 173445

Ion Ratio Lower Upper

96 100

61 172.6 121.5 225.7

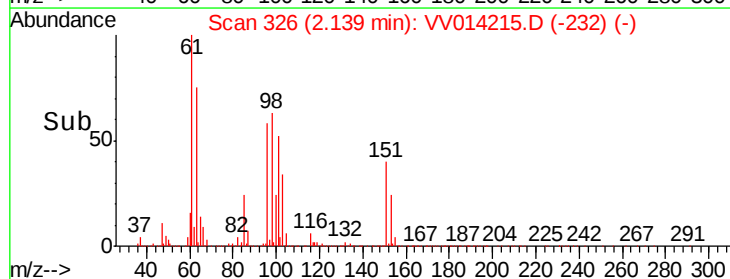
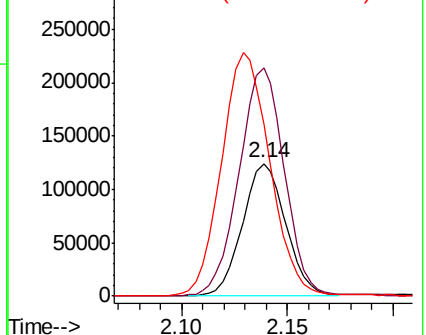
63 129.7 90.3 167.7

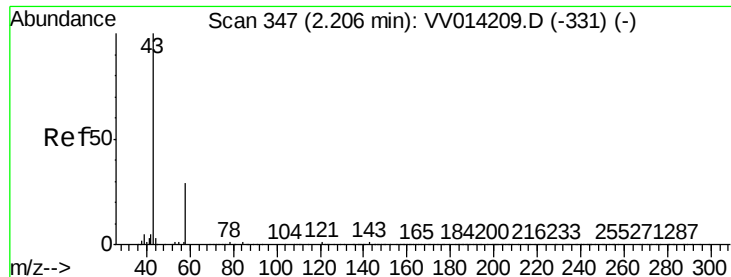


Abundance Ion 96.00 (95.70 to 96.70): VV014215.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV014215.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV014215.D (-232) (-)





#13

Acetone

Concen: 52.582 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

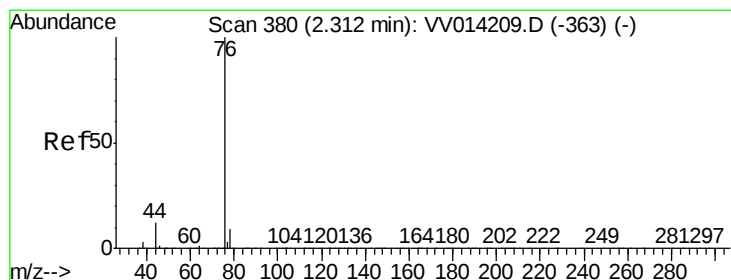
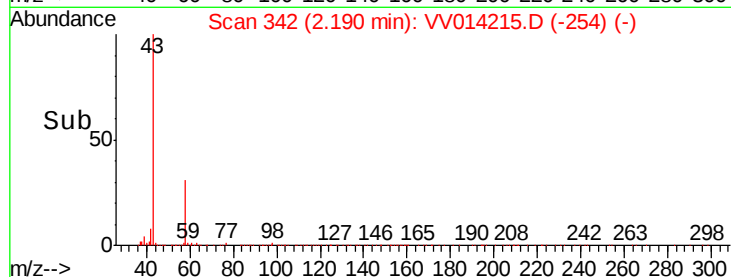
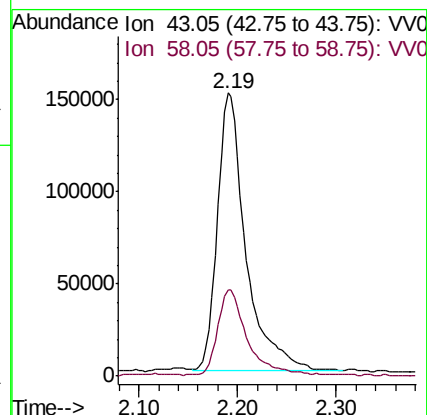
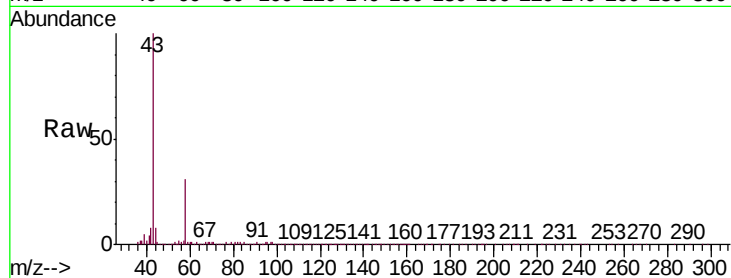
VSTD00543

Tgt Ion: 43 Resp: 304645

Ion Ratio Lower Upper

43 100

58 31.5 0.0 66.0



#14

Carbon disulfide

Concen: 4.573 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014215.D

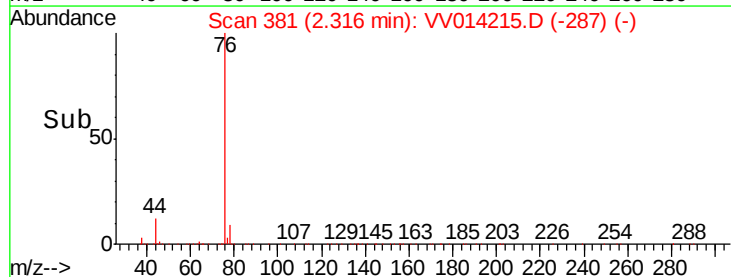
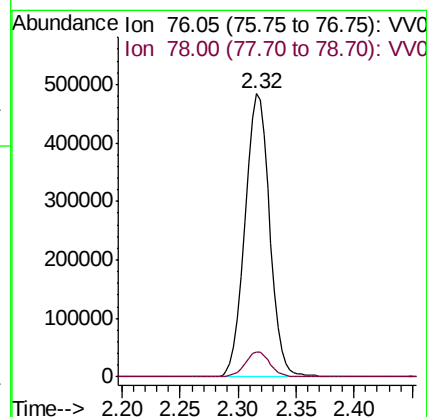
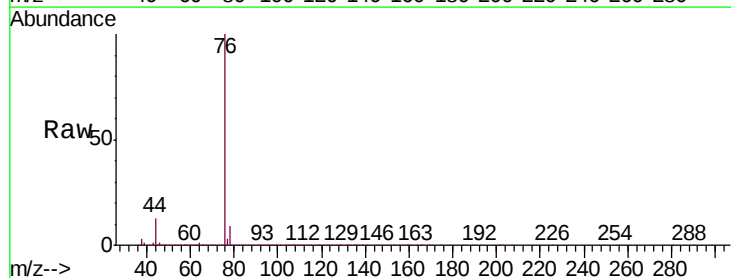
Acq: 28 Dec 2019 14:48

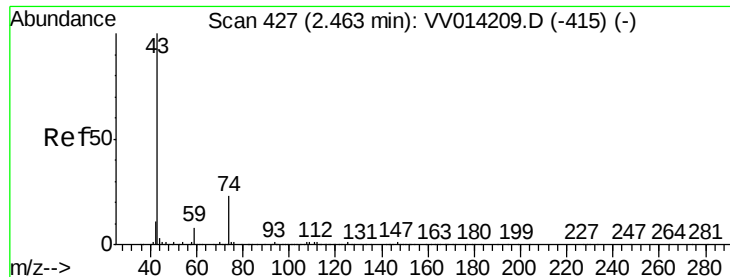
Tgt Ion: 76 Resp: 713754

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#15

Methyl Acetate

Concen: 4.604 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

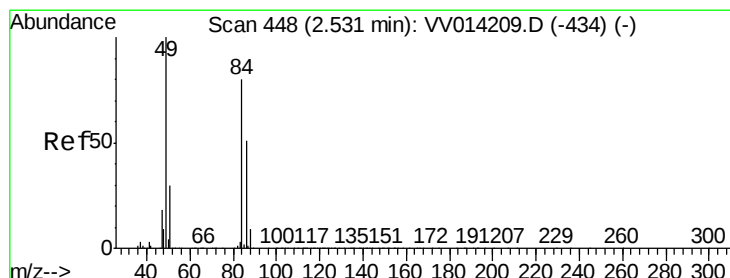
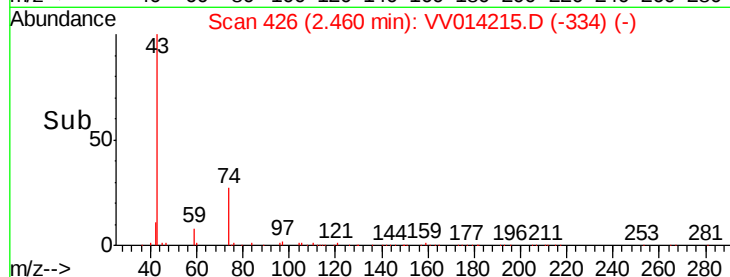
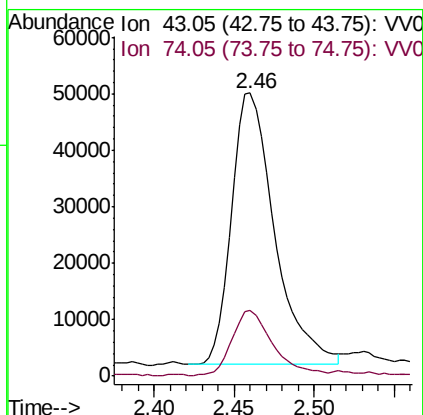
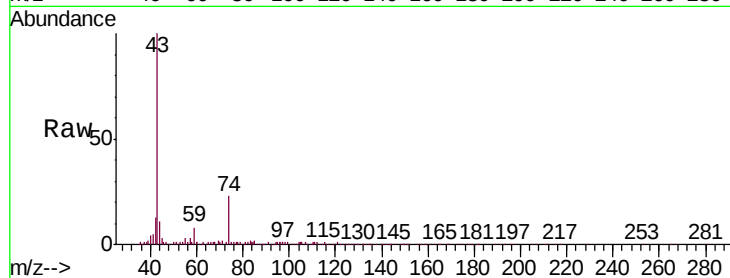
VSTD00543

Tgt Ion: 43 Resp: 88336

Ion Ratio Lower Upper

43 100

74 22.3 18.6 28.0



#16

Methylene chloride

Concen: 4.280 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

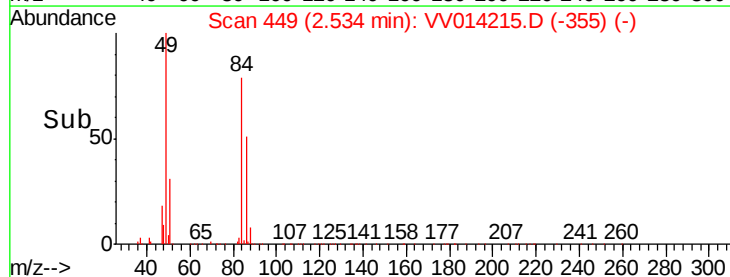
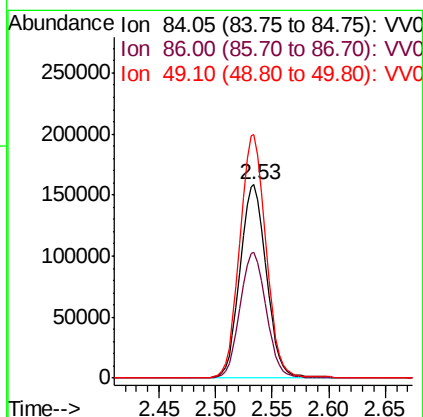
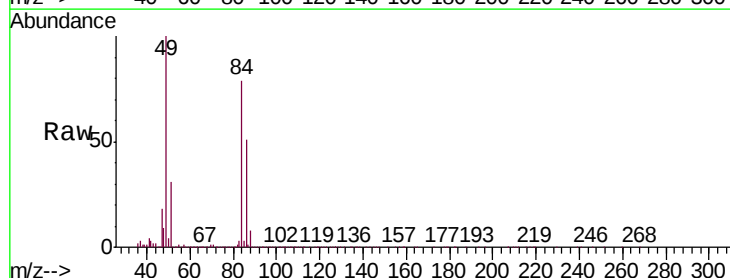
Tgt Ion: 84 Resp: 257350

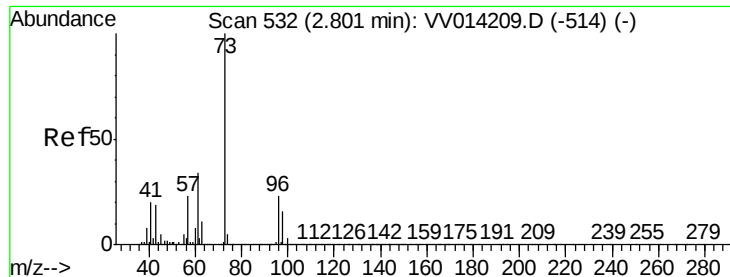
Ion Ratio Lower Upper

84 100

86 64.8 43.1 80.1

49 125.9 82.1 152.5



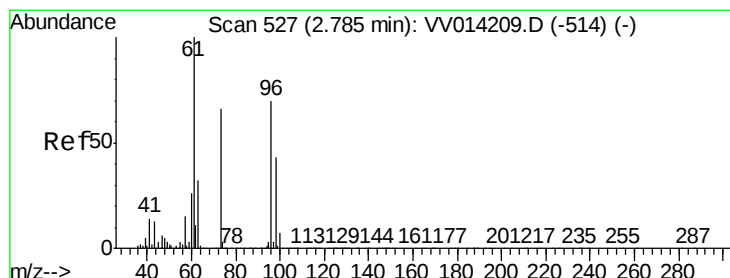
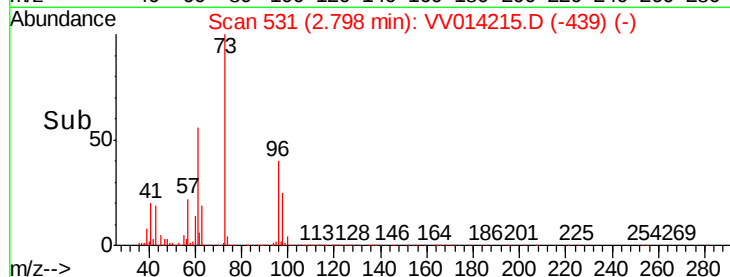
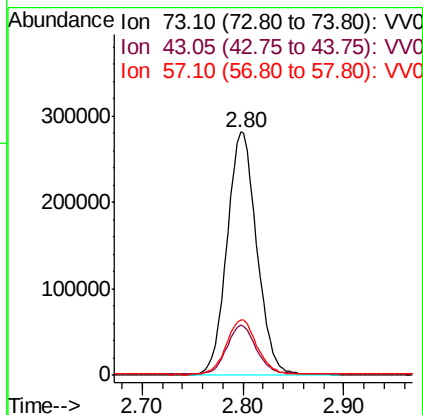
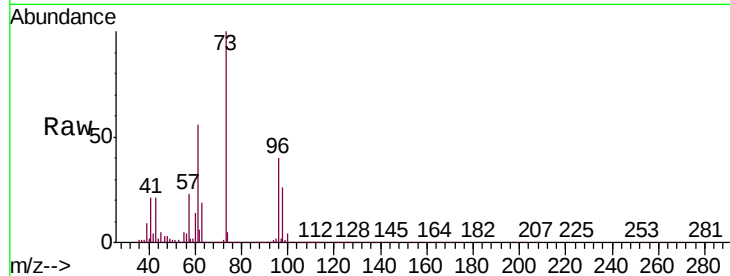


#17

Methyl tert-butyl Ether
Concen: 4.371 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

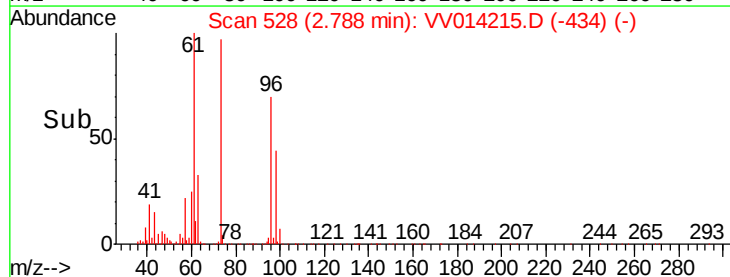
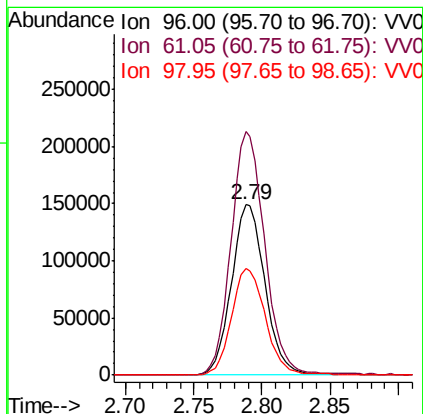
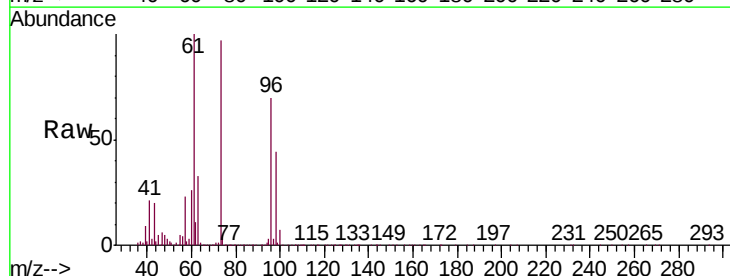
Tgt Ion:	73	Resp:	577361
Ion	Ratio	Lower	Upper
73	100		
43	19.8	14.7	22.1
57	22.9	17.9	26.9

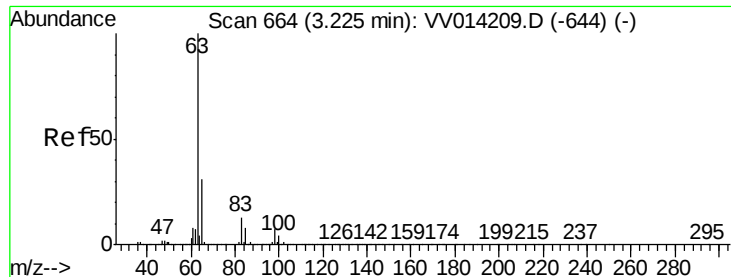


#18

trans-1,2-Dichloroethene
Concen: 4.547 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Tgt Ion:	96	Resp:	253358
Ion	Ratio	Lower	Upper
96	100		
61	143.0	99.2	184.2
98	62.6	43.1	80.1





#19

1,1-Dichloroethane

Concen: 4.673 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

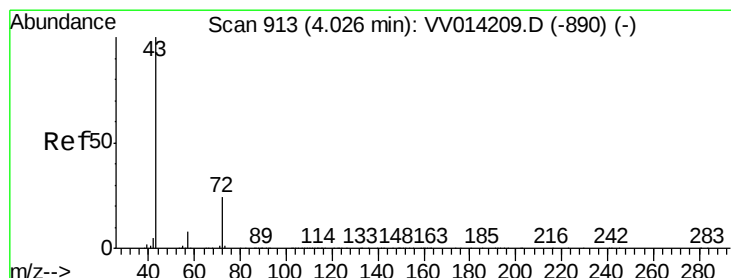
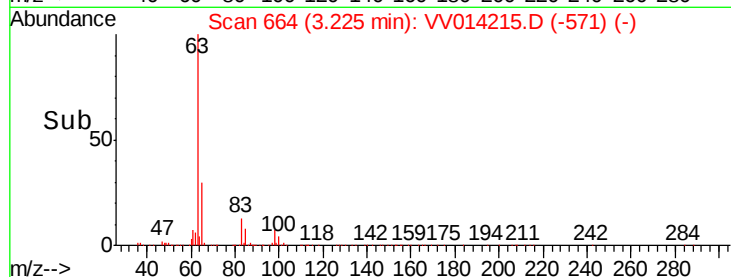
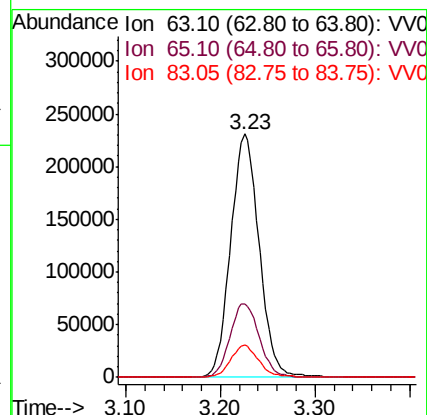
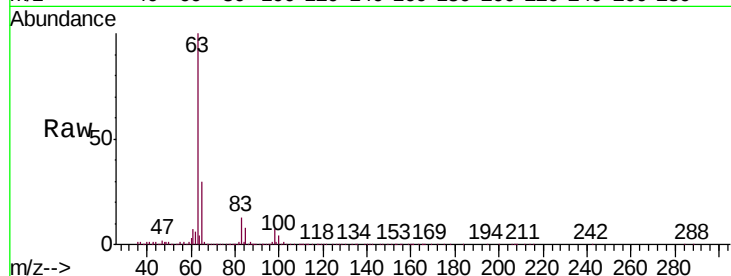
Tgt Ion: 63 Resp: 482764

Ion Ratio Lower Upper

63 100

65 30.2 22.7 42.3

83 13.2 10.0 18.6



#21

2-Butanone

Concen: 54.374 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.02 min

Lab File: VV014215.D

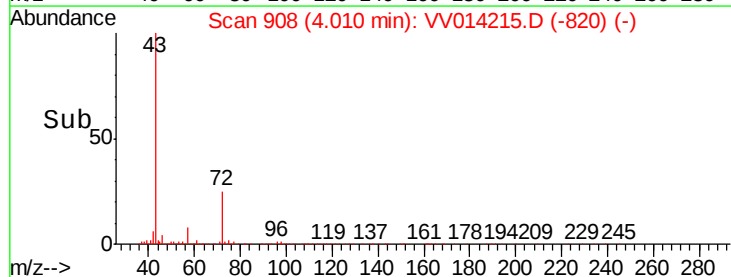
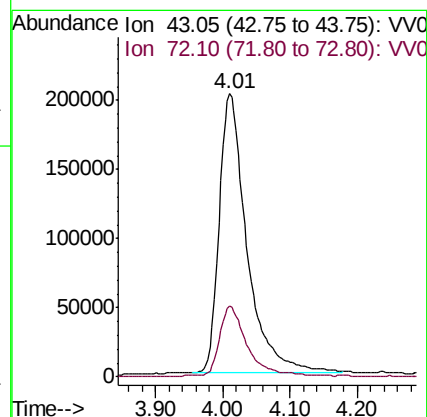
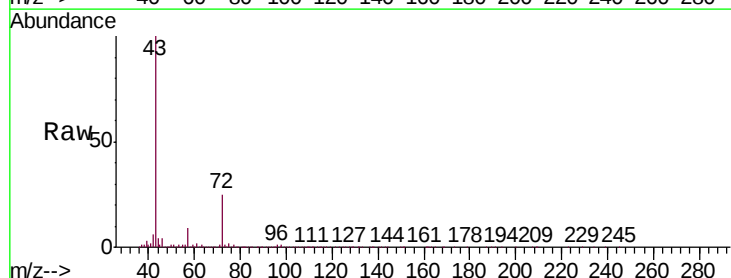
Acq: 28 Dec 2019 14:48

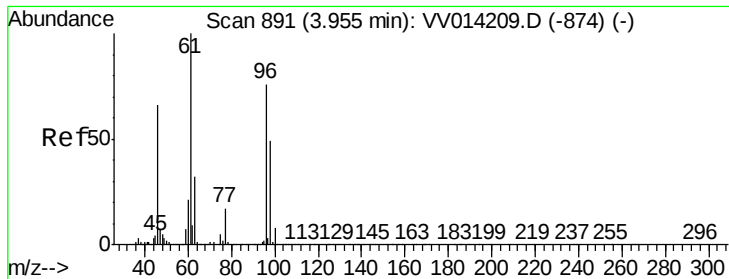
Tgt Ion: 43 Resp: 585040

Ion Ratio Lower Upper

43 100

72 24.1 12.4 37.2



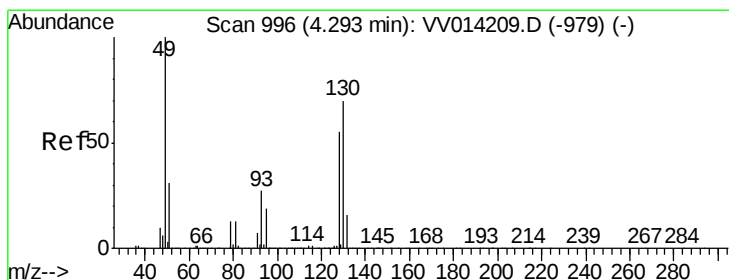
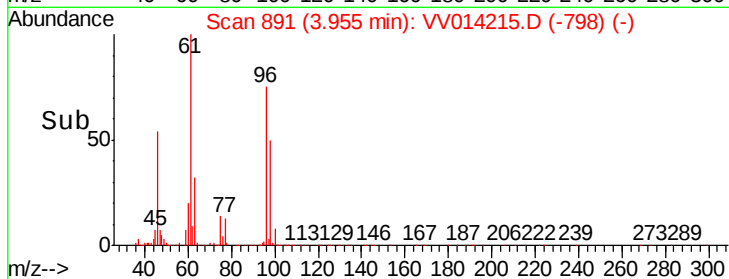
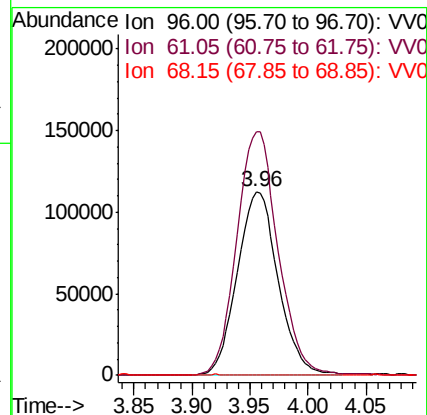
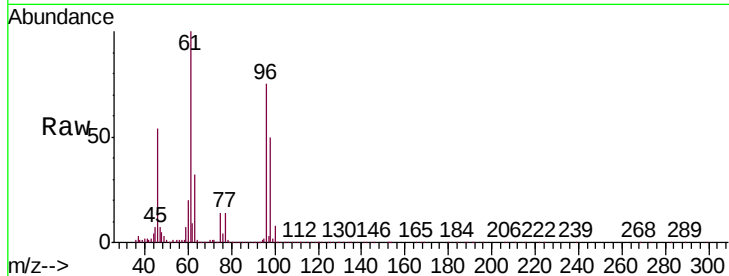


#22

cis-1,2-Dichloroethene
 Concen: 4.482 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

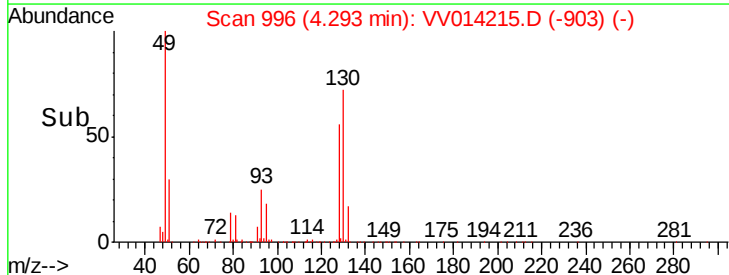
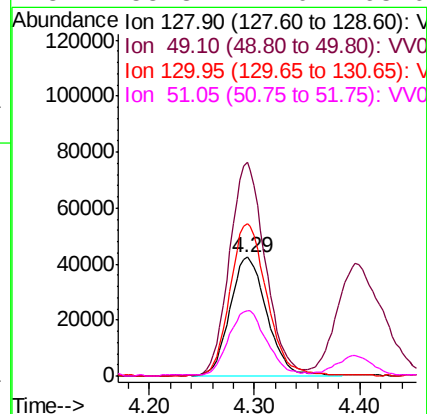
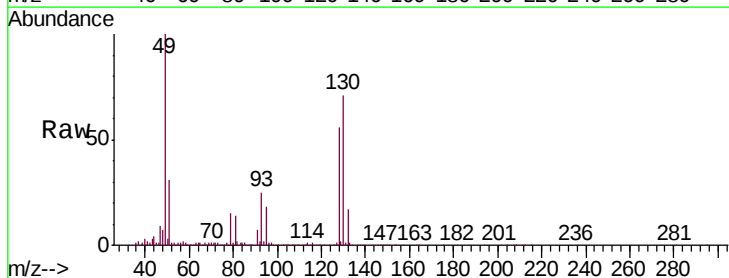
Tgt Ion: 96 Resp: 272070
 Ion Ratio Lower Upper
 96 100
 61 132.7 90.6 168.3
 68 0.2 0.3 0.7#

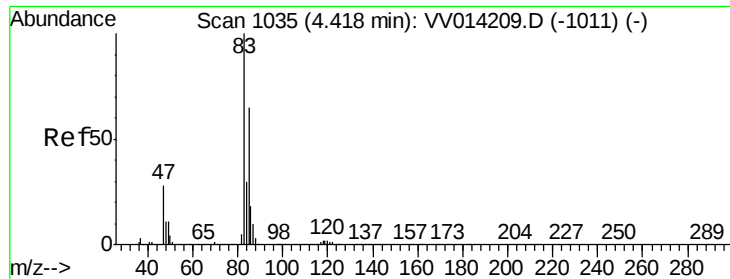


#23

Bromochloromethane
 Concen: 4.313 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion: 128 Resp: 101778
 Ion Ratio Lower Upper
 128 100
 49 180.1 117.5 218.1
 130 128.0 93.7 173.9
 51 55.3 42.0 63.0

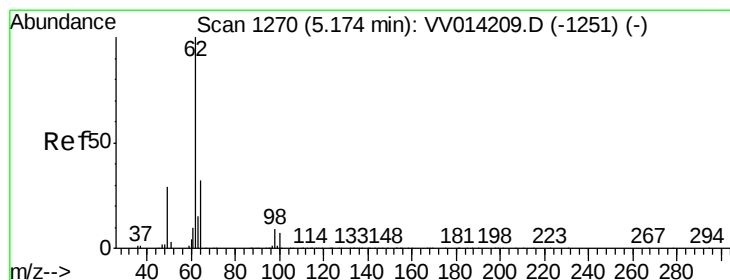
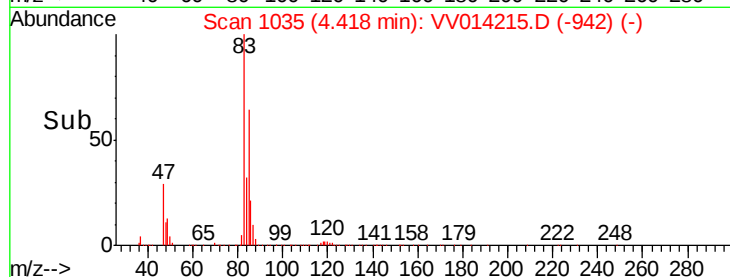
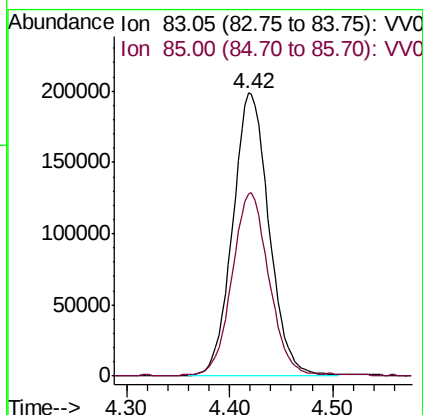
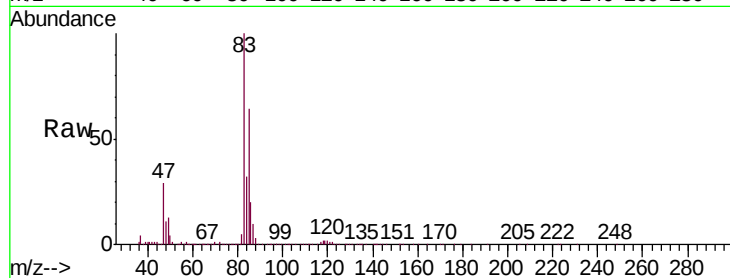




#25
Chloroform
Concen: 4.660 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

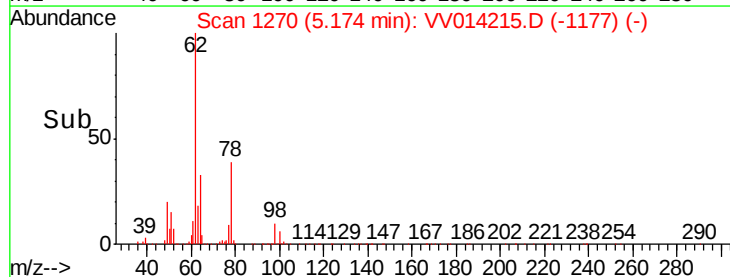
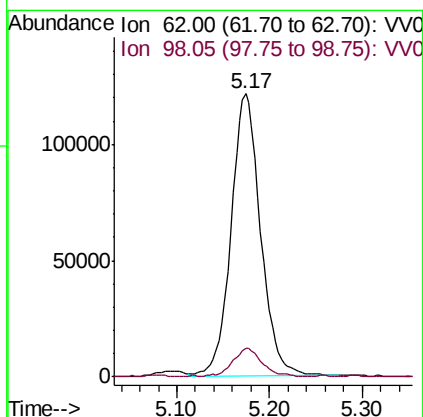
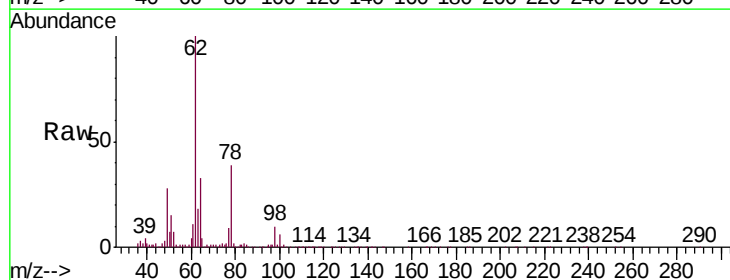
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

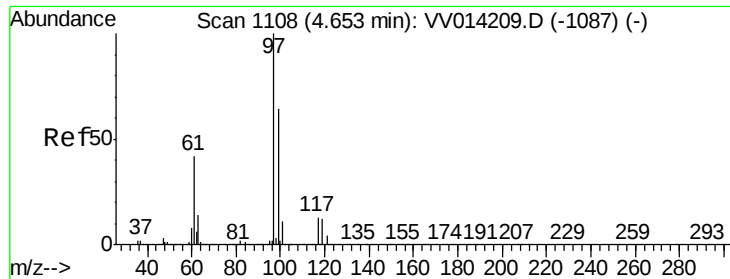
Tgt Ion: 83 Resp: 488069
Ion Ratio Lower Upper
83 100
85 64.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 4.557 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Tgt Ion: 62 Resp: 267330
Ion Ratio Lower Upper
62 100
98 10.0 9.2 13.8

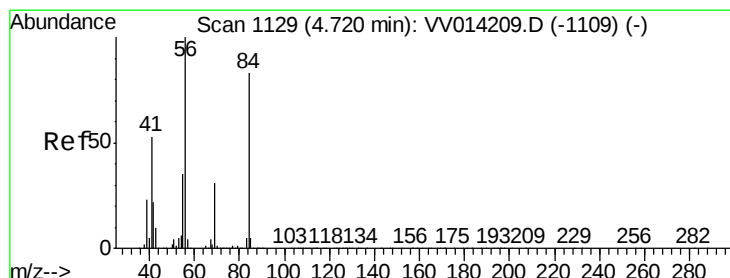
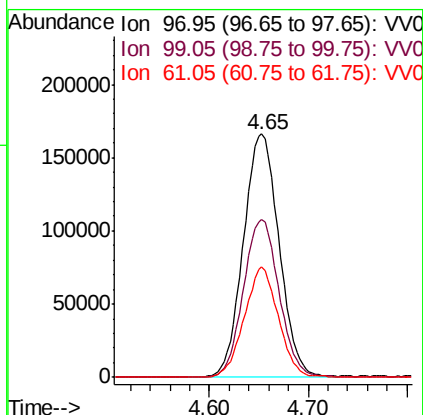
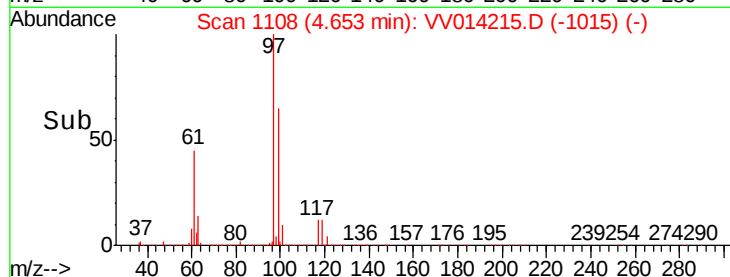
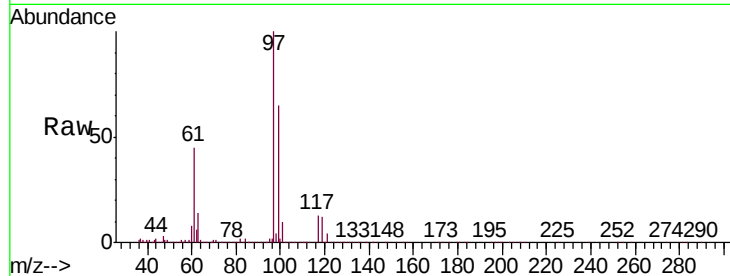




#29
 1,1,1-Trichloroethane
 Concen: 4.650 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

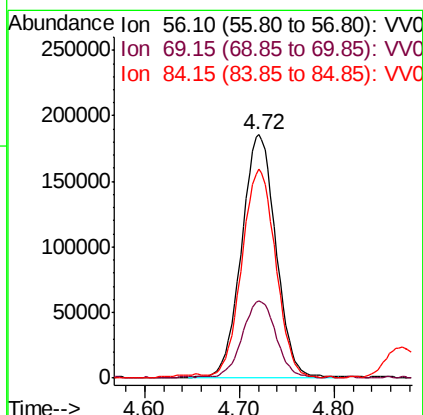
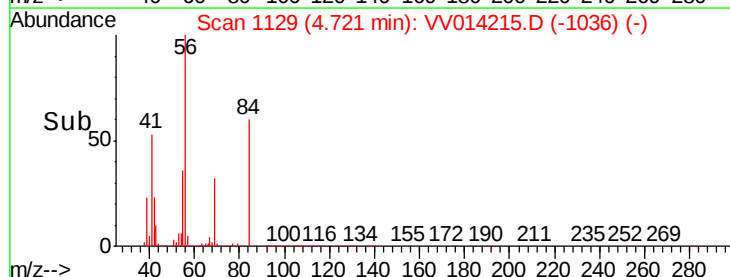
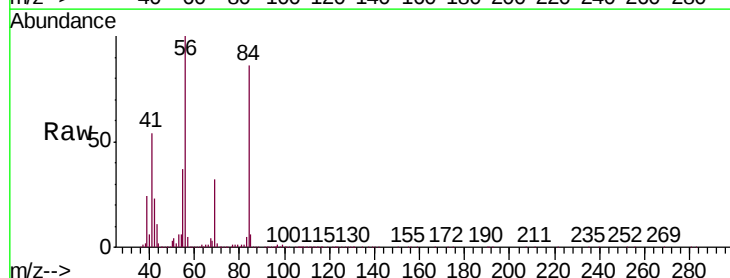
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

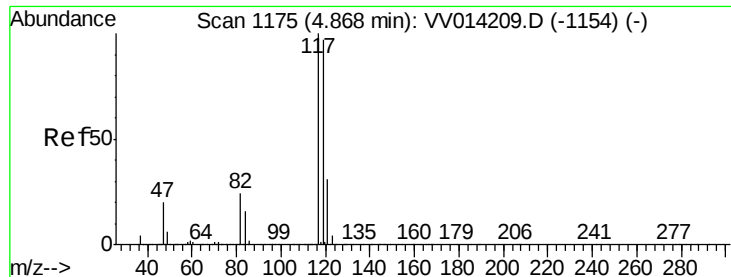
Tgt Ion: 97 Resp: 414312
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 43.2 33.9 50.9



#30
 Cyclohexane
 Concen: 4.761 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion: 56 Resp: 463936
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.9 35.9
 84 85.2 68.9 103.3





#31

Carbon tetrachloride

Concen: 4.630 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

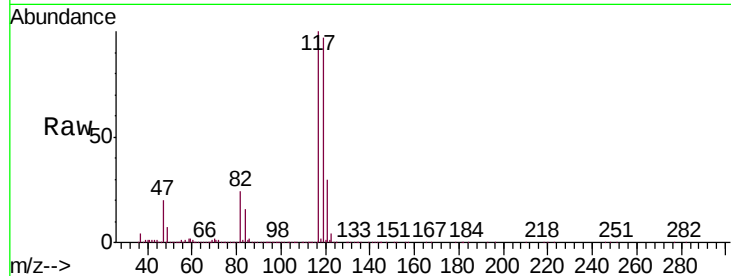
VSTD00543

Tgt Ion:117 Resp: 352258

Ion Ratio Lower Upper

117 100

119 96.4 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

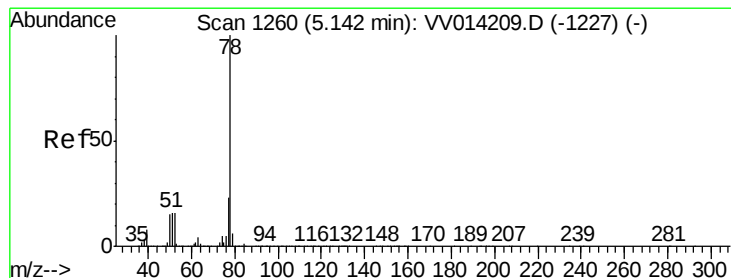
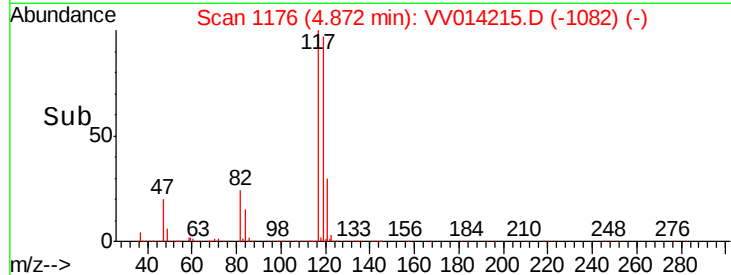
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.595 ug/L

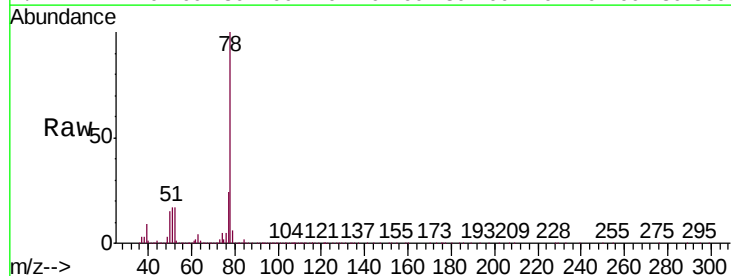
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Tgt Ion: 78 Resp: 1043421



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

500000

400000

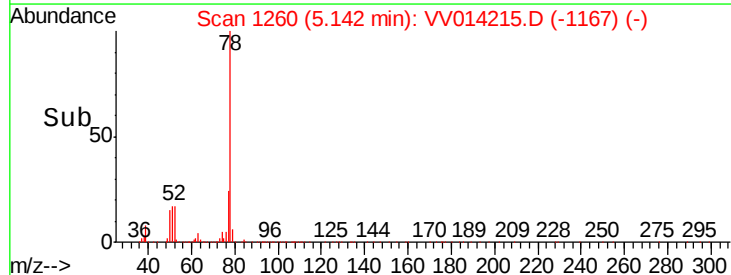
300000

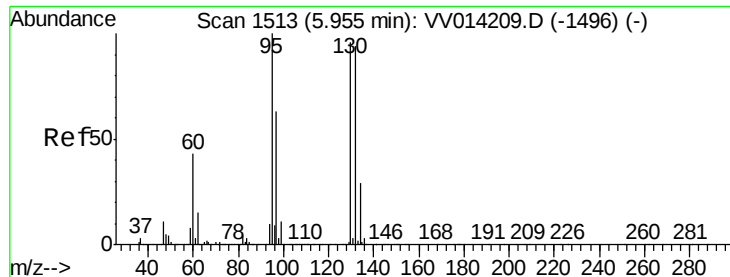
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 4.455 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 271017

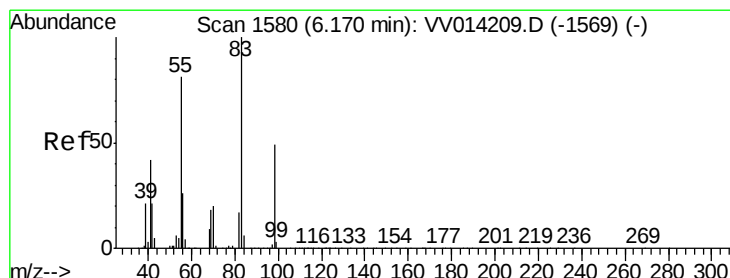
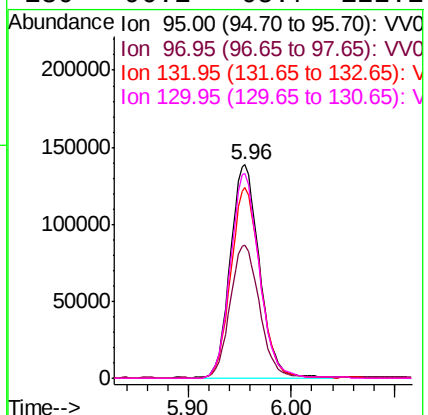
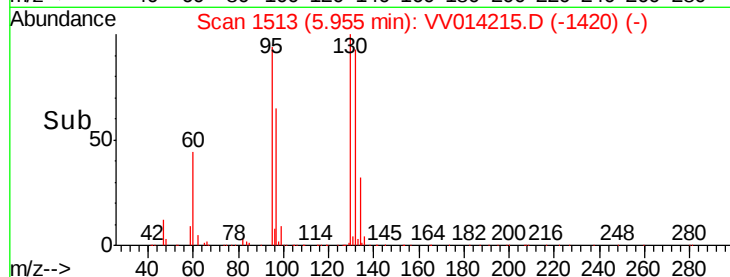
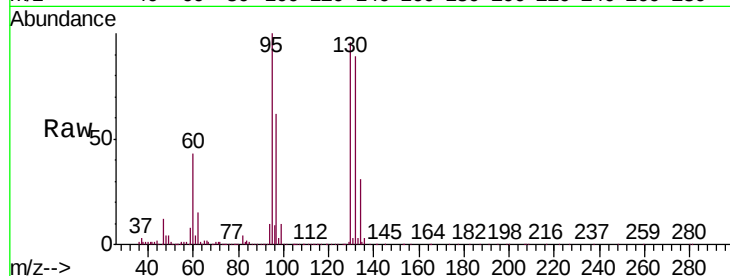
Ion Ratio Lower Upper

95 100

97 62.4 43.8 81.3

132 89.4 63.4 117.8

130 96.1 65.7 122.1



#35

Methylcyclohexane

Concen: 4.774 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

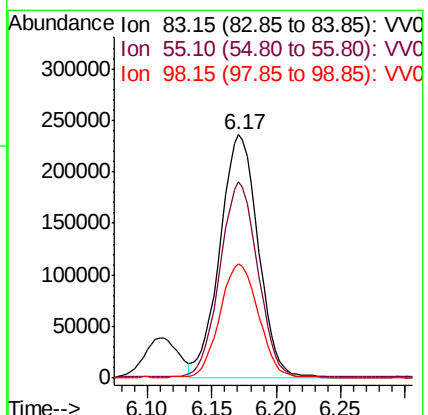
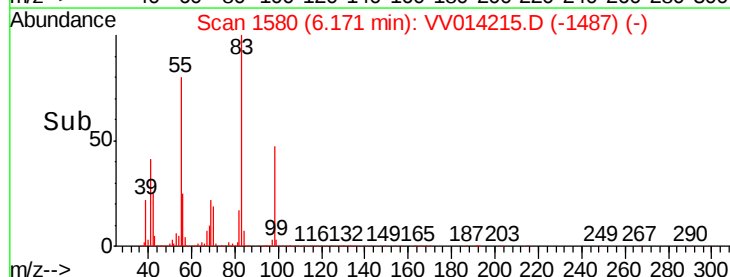
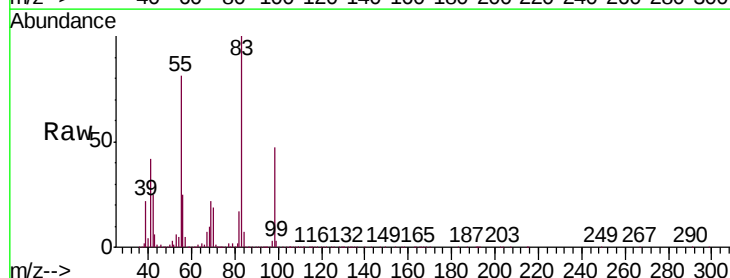
Tgt Ion: 83 Resp: 483957

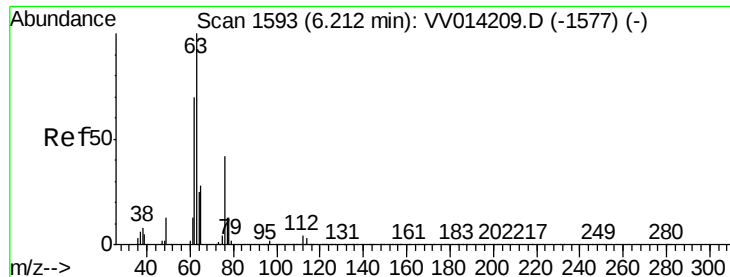
Ion Ratio Lower Upper

83 100

55 79.2 61.7 92.5

98 47.7 38.1 57.1

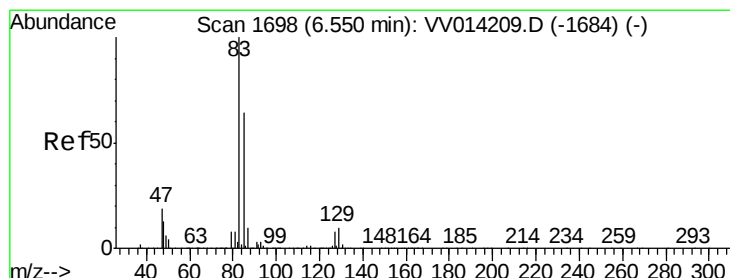
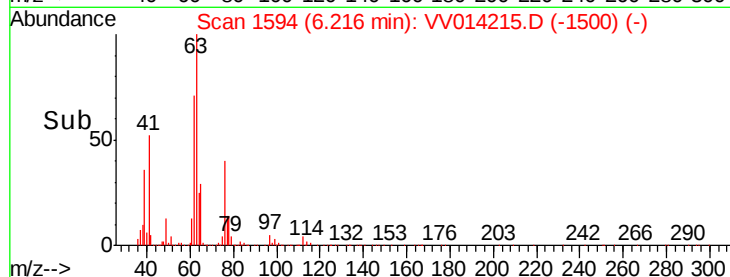
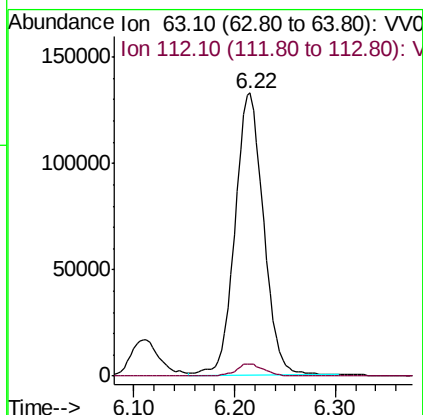
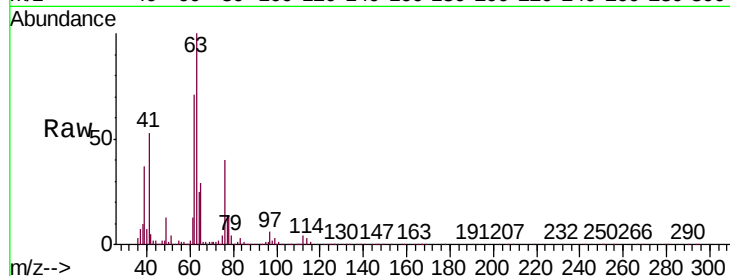




#37
 1,2-Dichloropropane
 Concen: 4.727 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

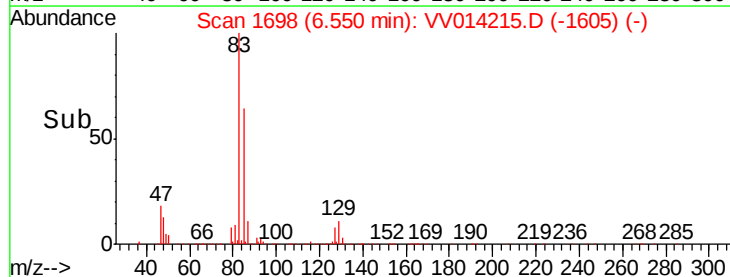
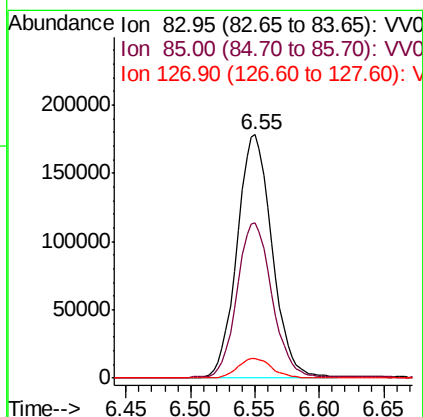
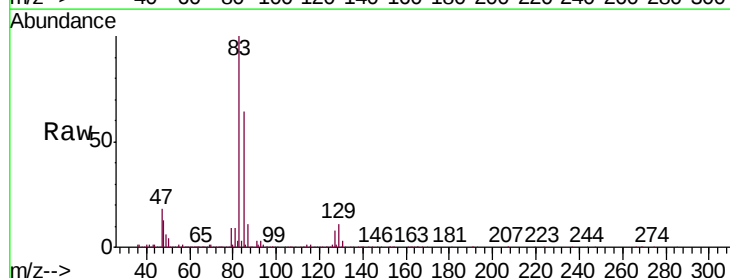
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

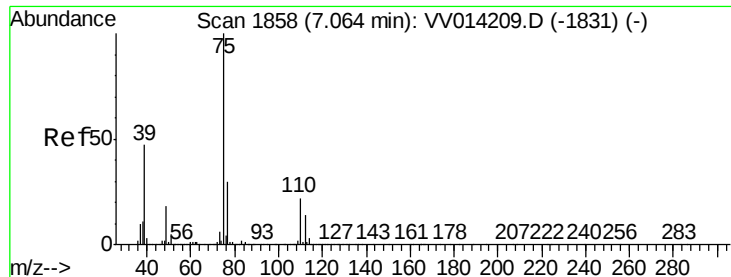
Tgt Ion: 63 Resp: 260777
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.547 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion: 83 Resp: 334750
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.4 86.2
 127 8.1 6.3 9.5



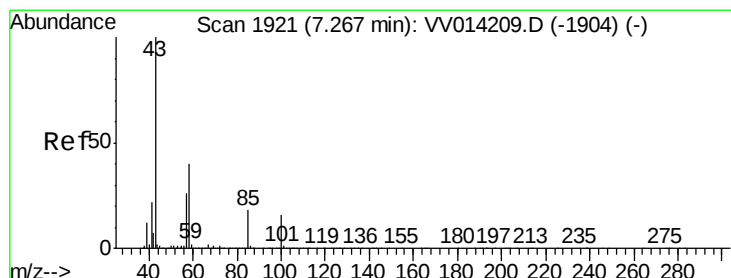
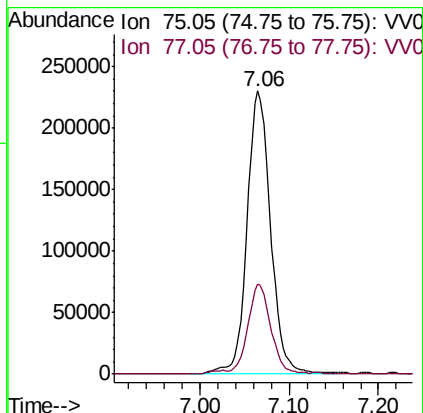
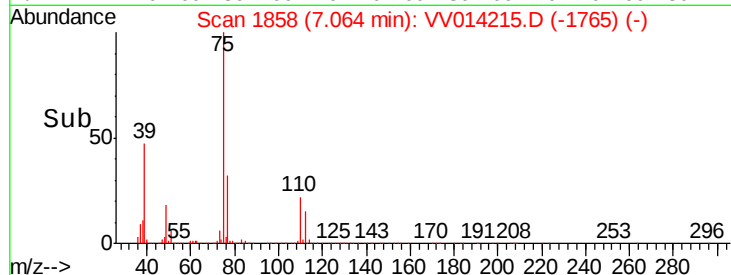
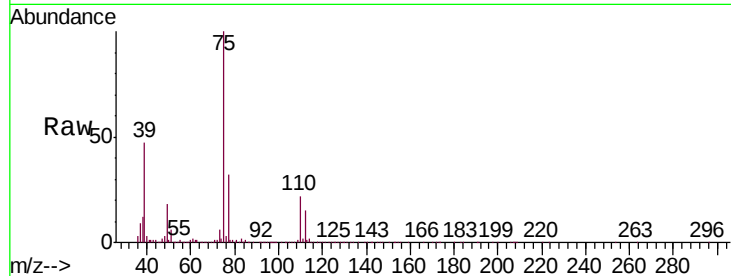


#39

cis-1,3-Dichloropropene
Concen: 4.654 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

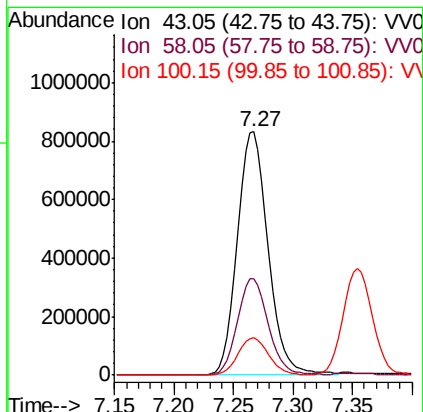
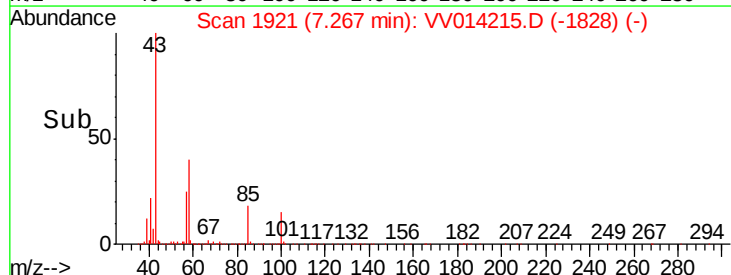
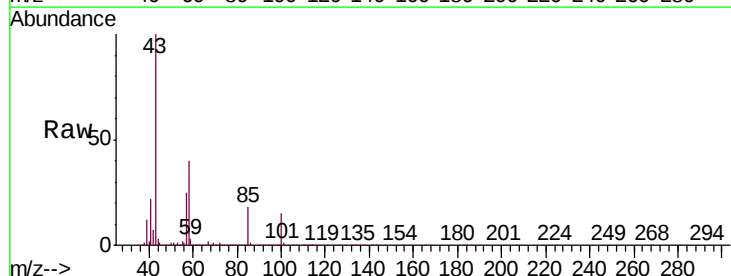
Tgt Ion: 75 Resp: 420162
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6

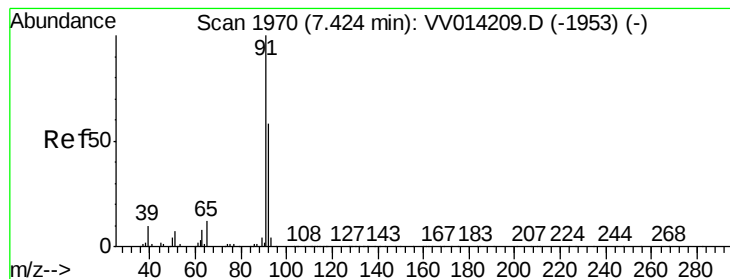


#40

4-Methyl-2-pentanone
Concen: 43.254 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Tgt Ion: 43 Resp: 1484181
Ion Ratio Lower Upper
43 100
58 39.8 31.5 47.3
100 15.4 12.2 18.2





#42

Toluene

Concen: 4.486 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

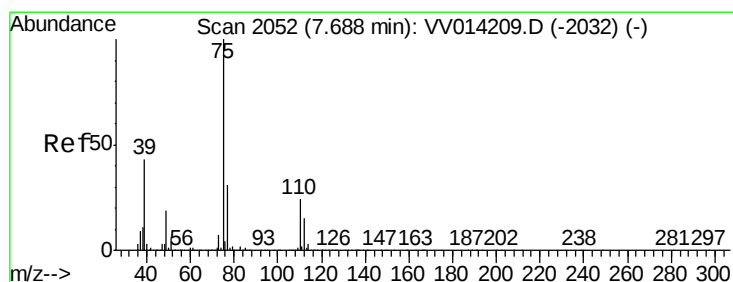
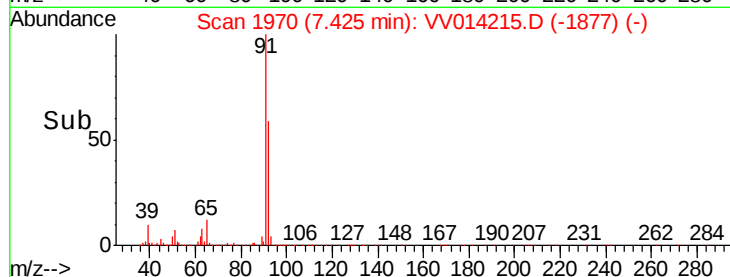
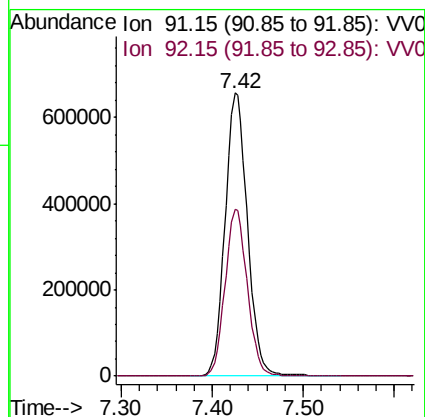
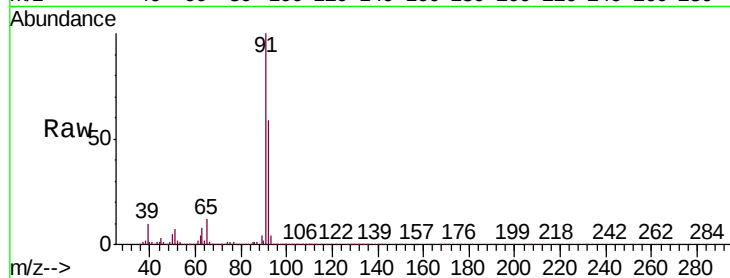
VSTD00543

Tgt Ion: 91 Resp: 1118890

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.494 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014215.D

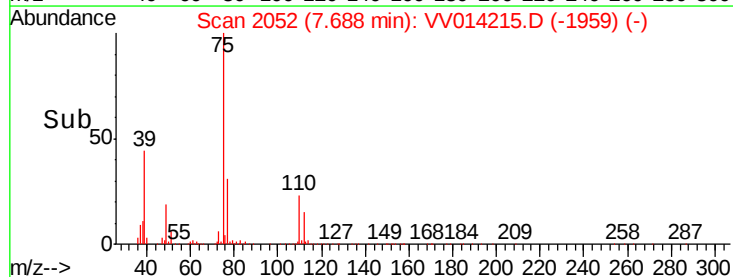
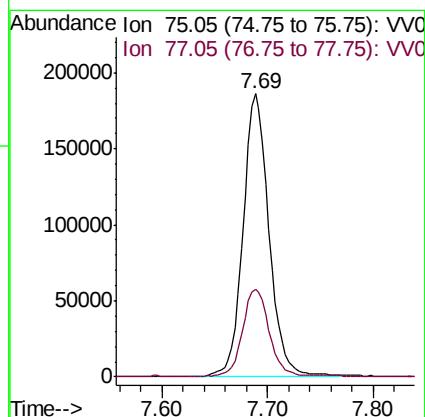
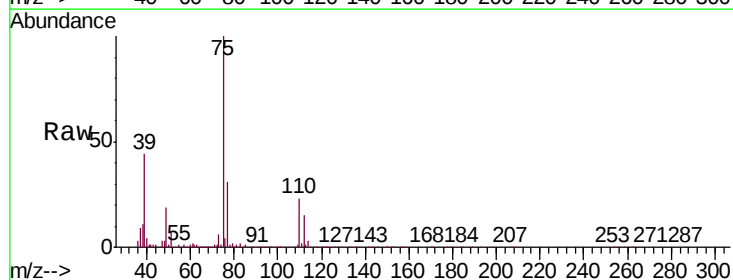
Acq: 28 Dec 2019 14:48

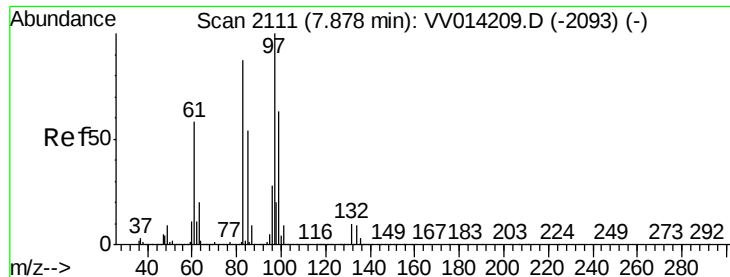
Tgt Ion: 75 Resp: 317273

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0

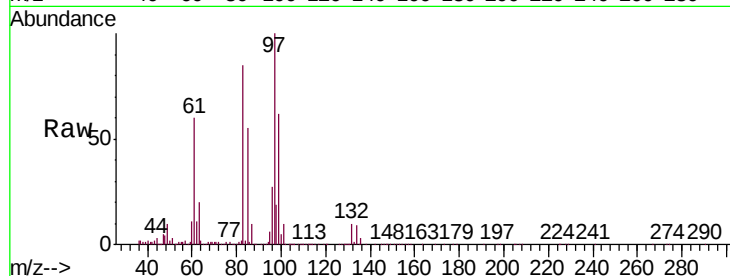




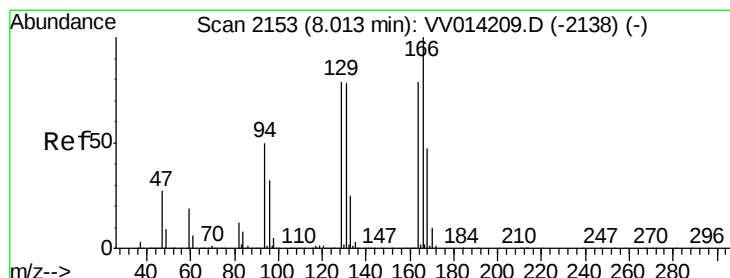
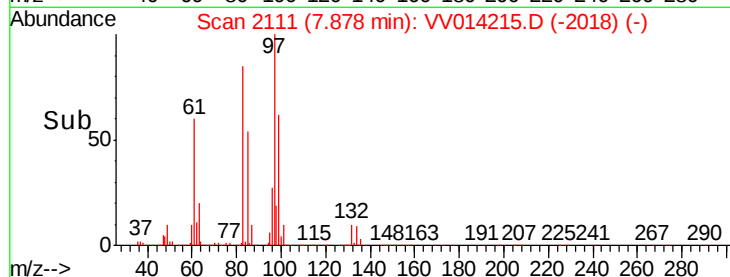
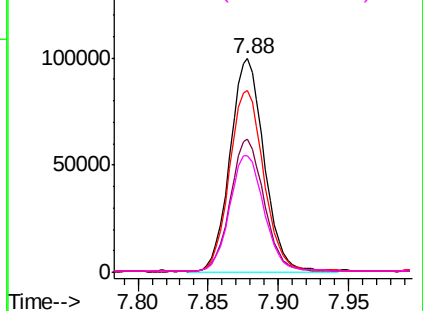
#45
 1,1,2-Trichloroethane
 Concen: 4.464 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tgt Ion:	97	Resp:	167972
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.7	81.1
83	85.2	60.0	111.4
85	54.7	39.2	72.8

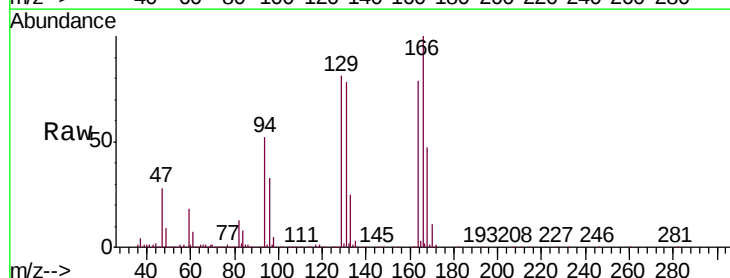


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

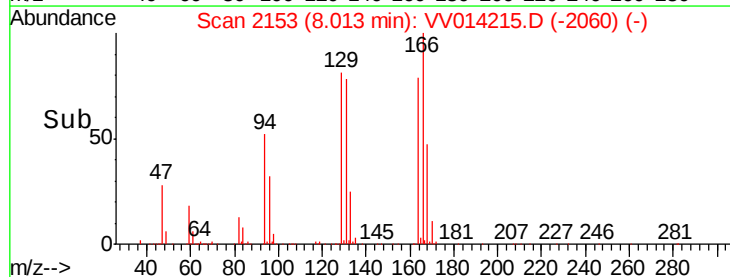
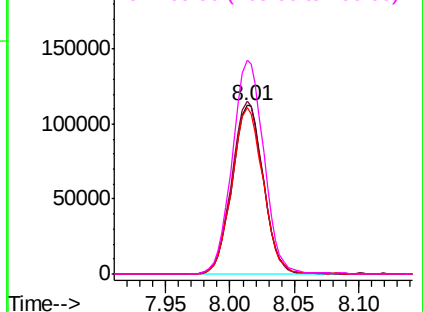


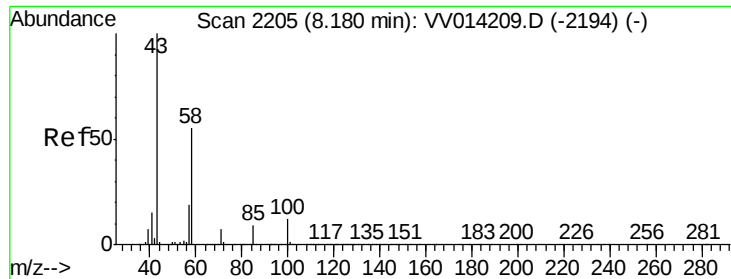
#47
 Tetrachloroethene
 Concen: 4.476 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion:	164	Resp:	190336
Ion	Ratio	Lower	Upper
164	100		
129	102.6	71.7	133.3
131	98.6	70.4	130.8
166	126.5	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



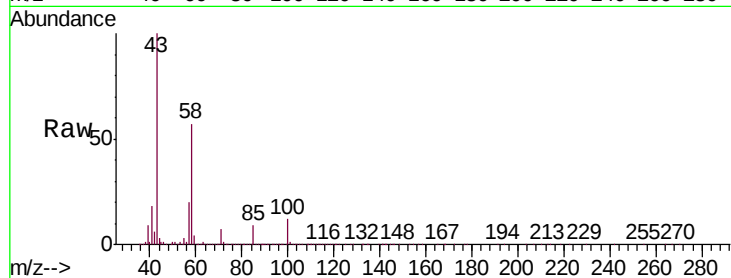


#48
2-Hexanone
Concen: 43.120 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tgt Ion: 43 Resp: 1023211

Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.4	68.0
57	19.5	15.8	23.8
100	12.3	10.2	15.4

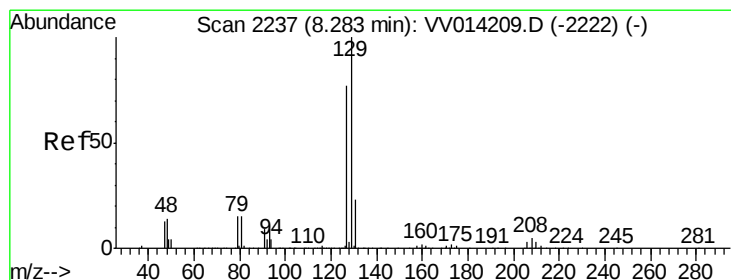
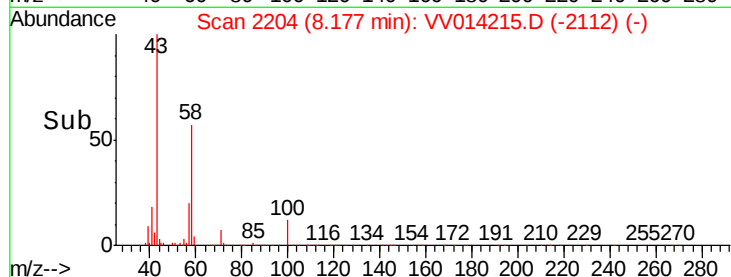
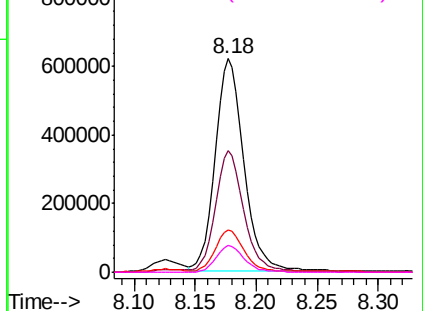


Abundance Ion 43.05 (42.75 to 43.75): VV014215.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014215.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014215.D (-2112) (-)

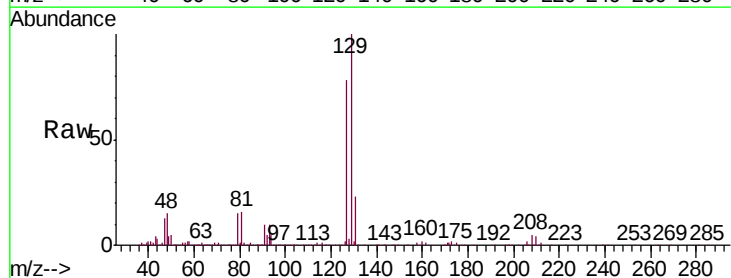
Ion 100.15 (99.85 to 100.85): VV014215.D (-2112) (-)



#49
Dibromochloromethane
Concen: 4.228 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

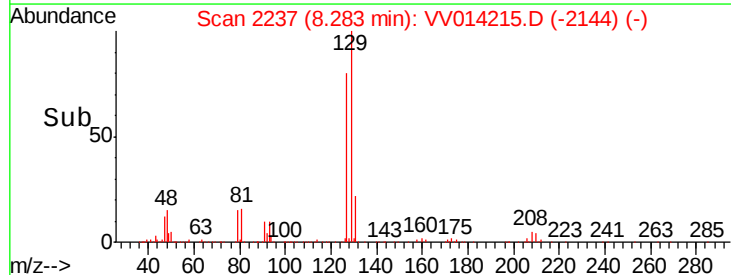
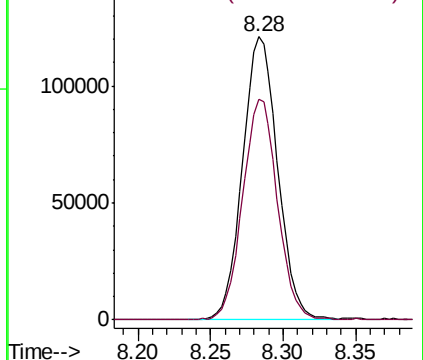
Tgt Ion: 129 Resp: 202876

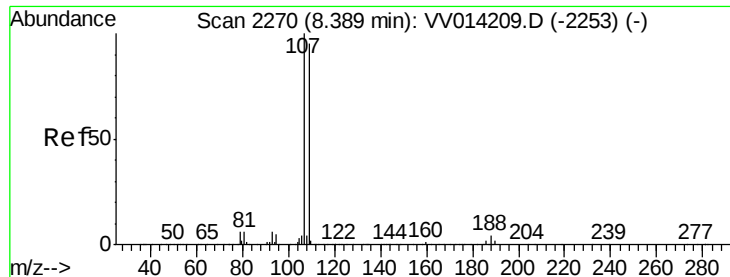
Ion	Ratio	Lower	Upper
129	100		
127	77.9	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014215.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014215.D (-2144) (-)

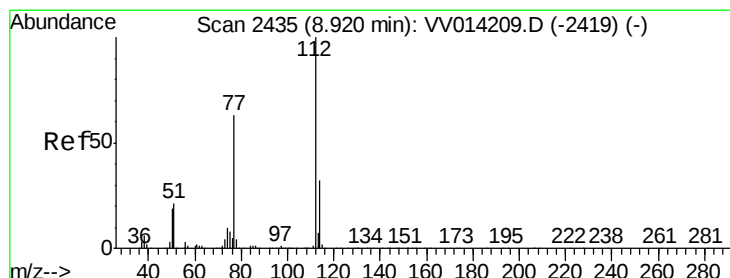
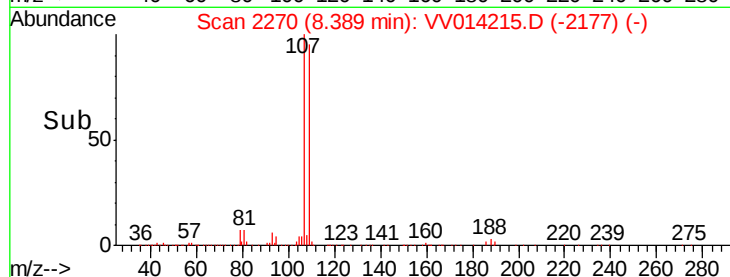
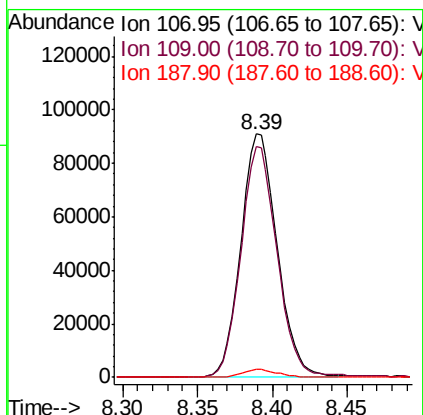
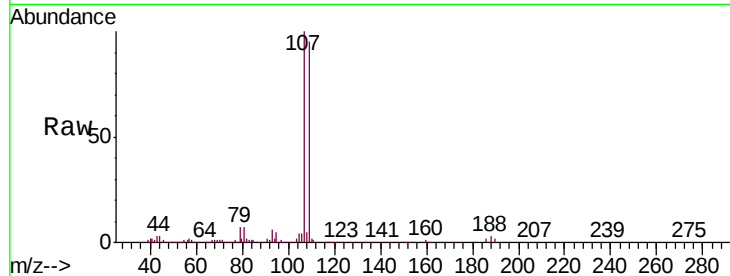




#50
1,2-Dibromoethane
Concen: 4.225 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

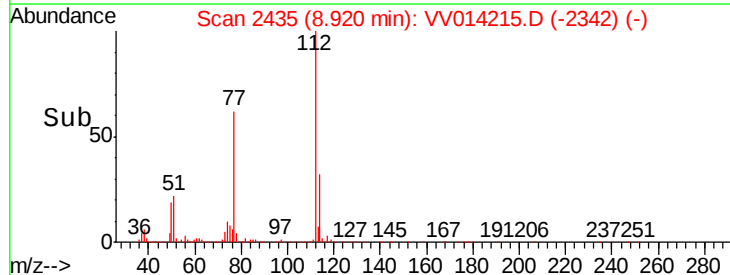
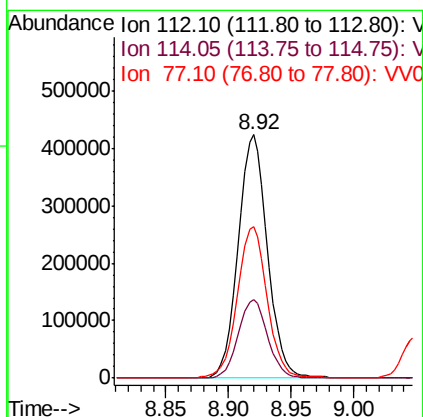
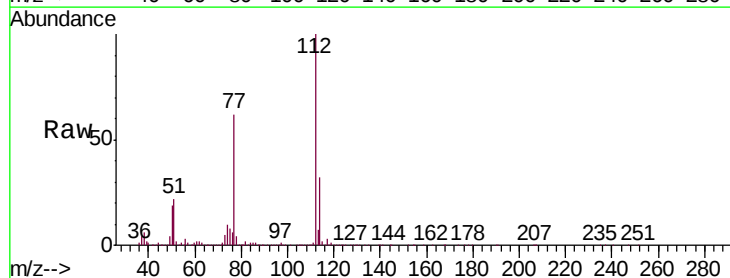
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

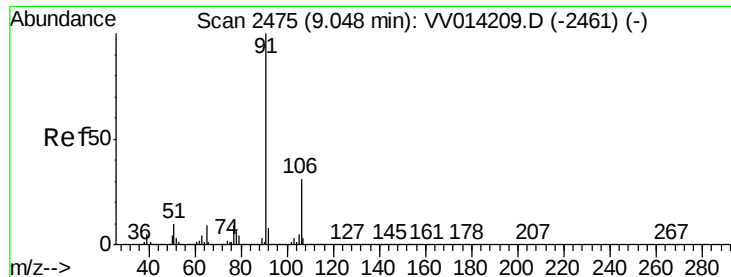
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	63.0	117.0
188	3.3	3.0	4.4



#51
Chlorobenzene
Concen: 4.443 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014215.D
Acq: 28 Dec 2019 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	62.3	49.3	73.9





#52

Ethylbenzene

Concen: 4.616 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

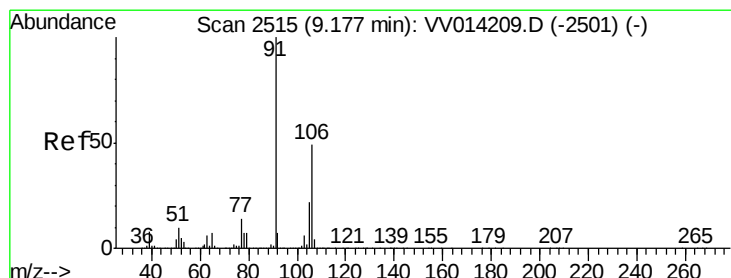
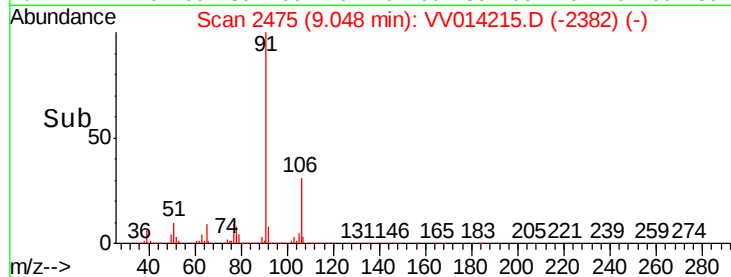
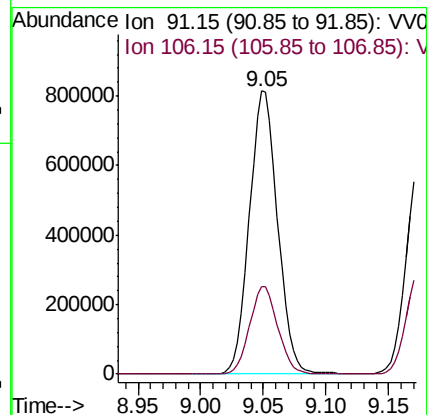
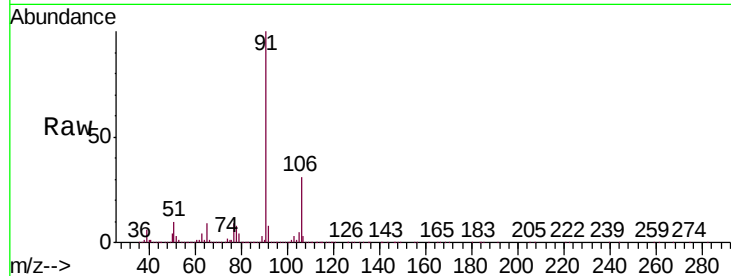
VSTD00543

Tgt Ion: 91 Resp: 1278497

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



#53

m,p-xylene

Concen: 4.562 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014215.D

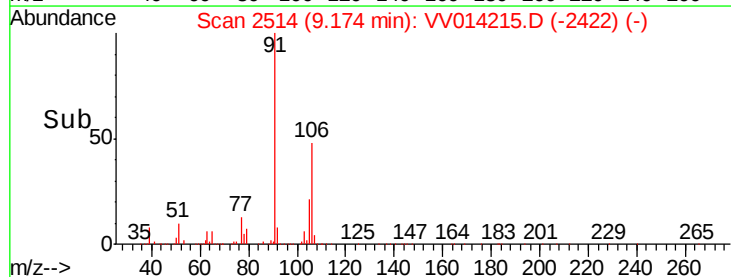
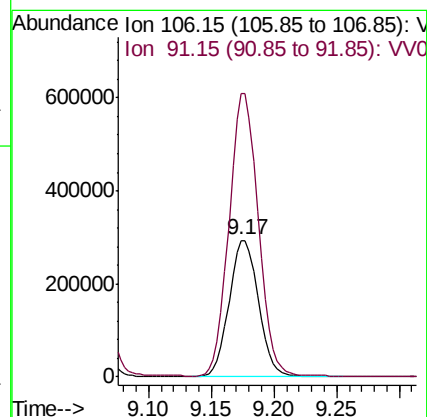
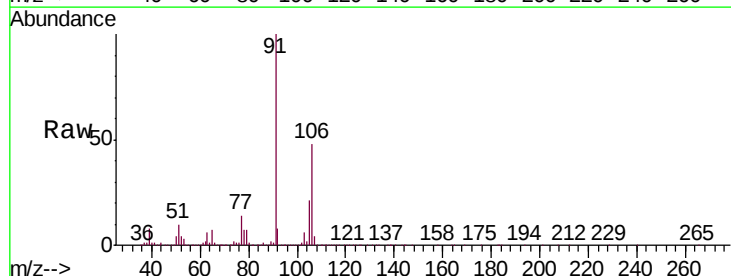
Acq: 28 Dec 2019 14:48

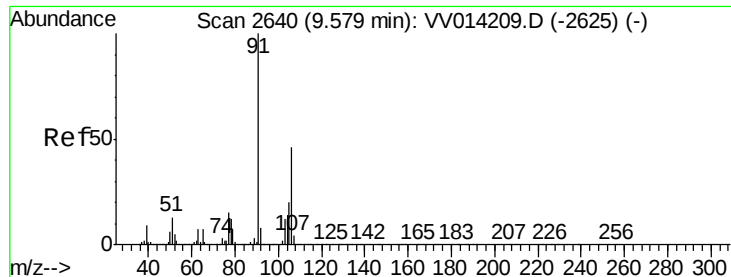
Tgt Ion: 106 Resp: 474739

Ion Ratio Lower Upper

106 100

91 207.3 146.8 272.6





#54

o-xylene

Concen: 4.527 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

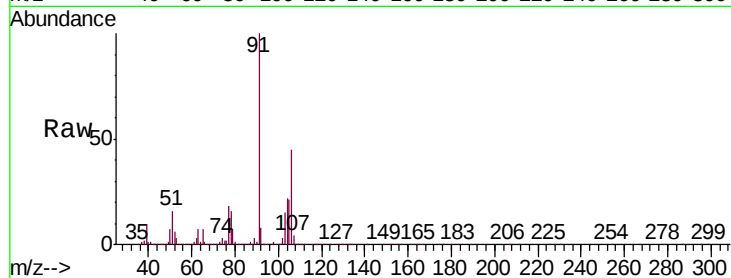
VSTD00543

Tgt Ion:106 Resp: 460081

Ion Ratio Lower Upper

106 100

91 220.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

600000

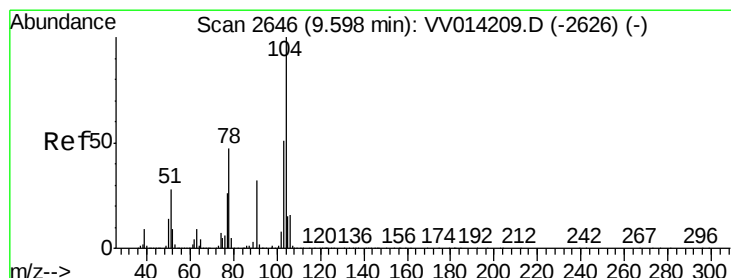
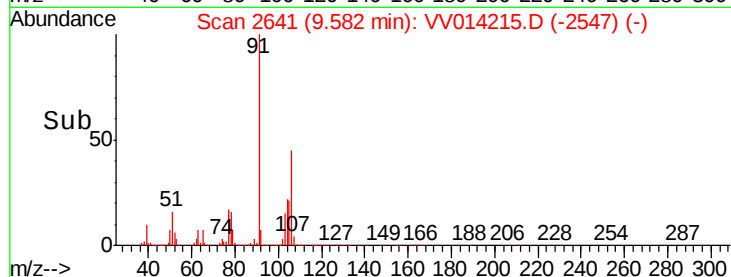
400000

200000

0

9.58

Time-->



#55

Styrene

Concen: 4.496 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014215.D

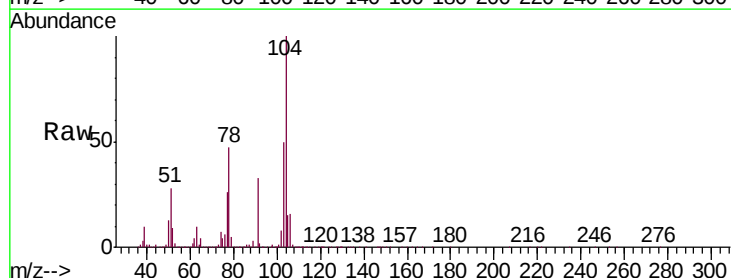
Acq: 28 Dec 2019 14:48

Tgt Ion:104 Resp: 767046

Ion Ratio Lower Upper

104 100

78 47.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

500000

400000

300000

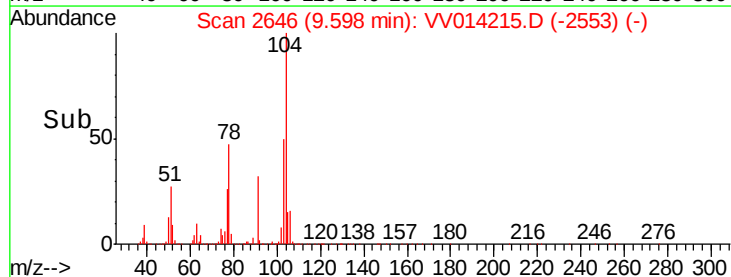
200000

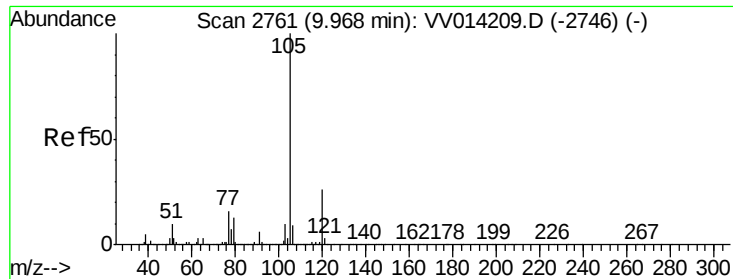
100000

0

9.60

Time-->





#56

Isopropylbenzene

Concen: 4.608 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

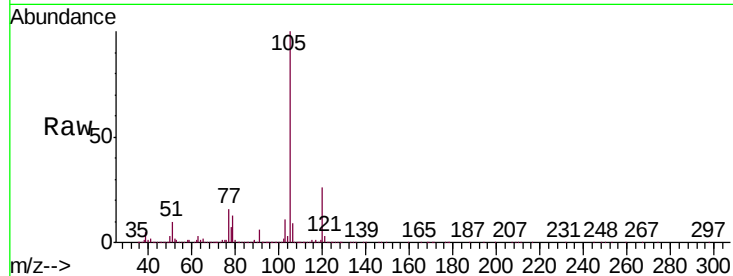
Tgt Ion:105 Resp: 1228164

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

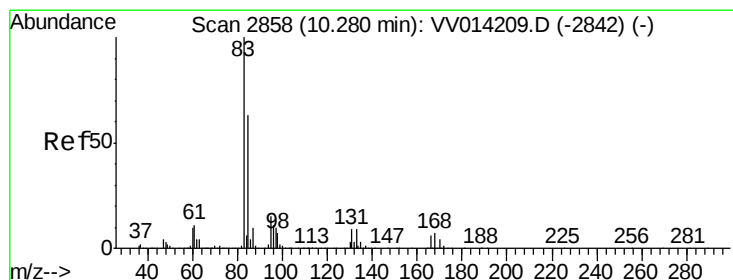
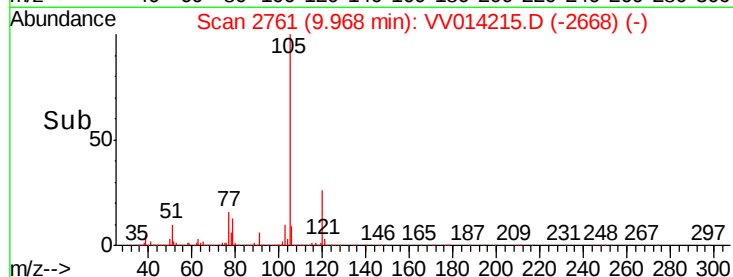
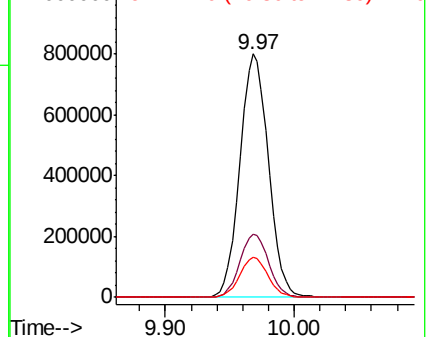
77 16.3 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.380 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

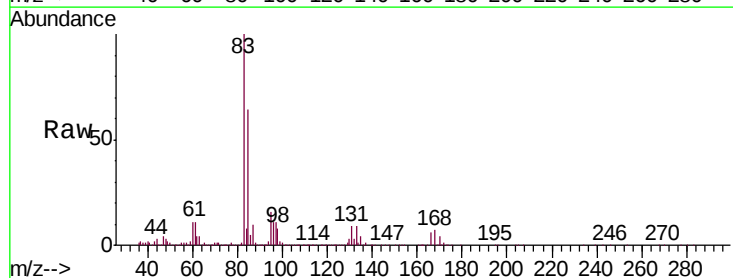
Tgt Ion: 83 Resp: 198695

Ion Ratio Lower Upper

83 100

85 63.8 45.9 85.3

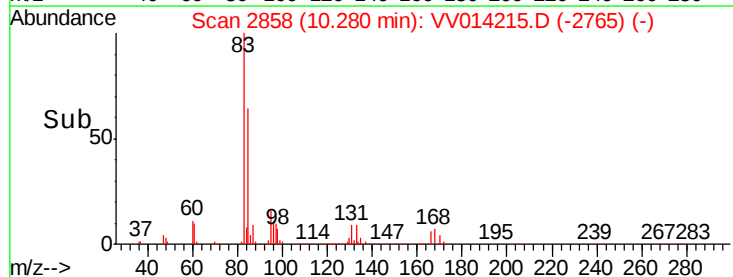
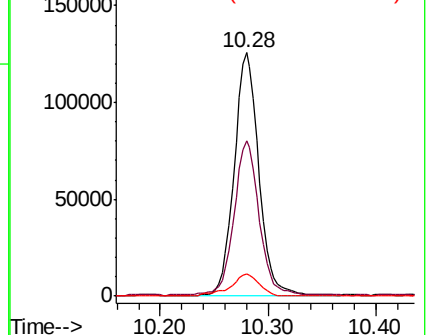
131 9.0 7.8 11.8

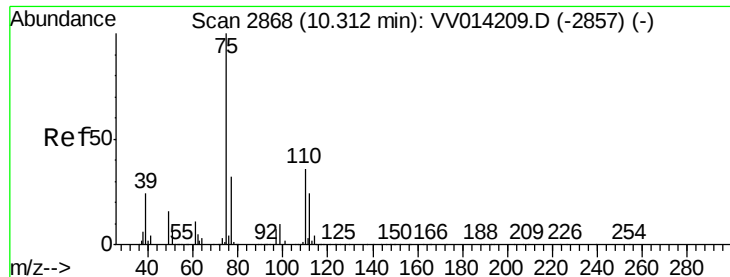


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.402 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

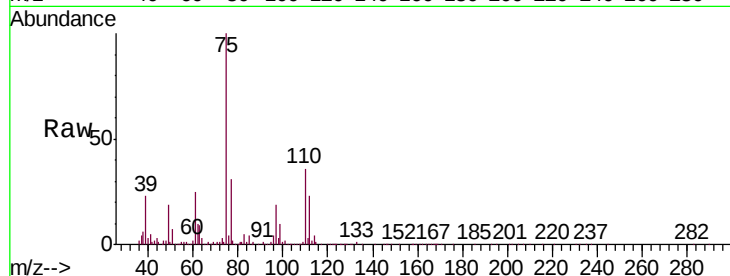
VSTD00543

Tgt Ion: 75 Resp: 148417

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV014209.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV014209.D (-2857) (-)

10.31

80000

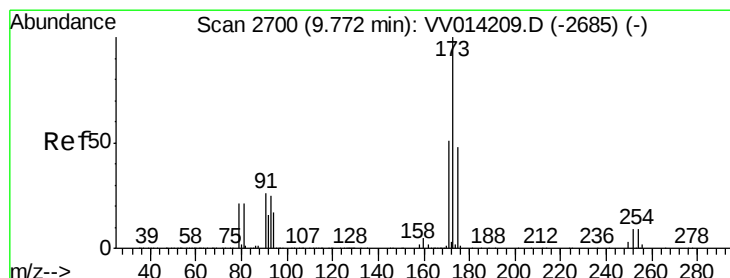
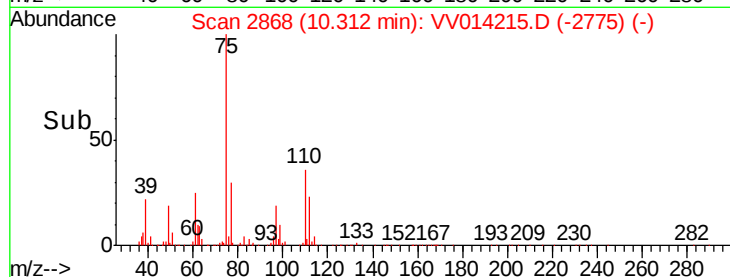
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 4.000 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

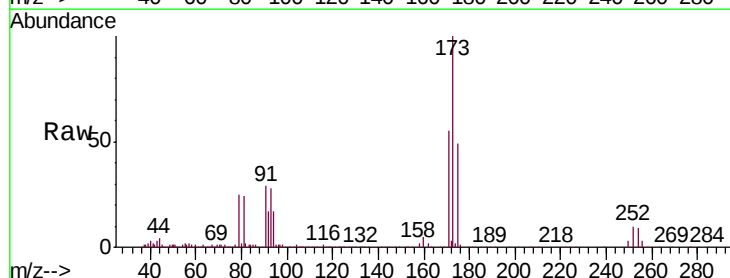
Tgt Ion: 173 Resp: 101139

Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

254 9.3 7.6 11.4



Abundance Ion 172.90 (172.60 to 173.60): VV014209.D (-2685) (-)

Ion 174.90 (174.60 to 175.60): VV014209.D (-2685) (-)

Ion 253.75 (253.45 to 254.45): VV014209.D (-2685) (-)

9.77

80000

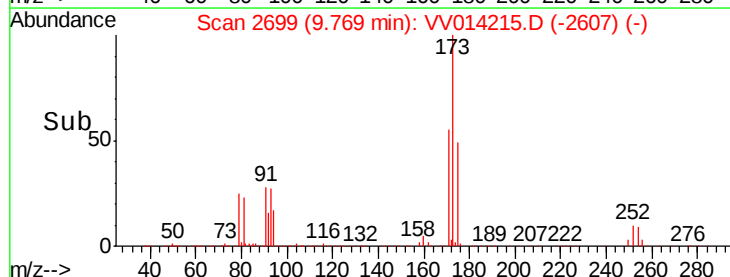
60000

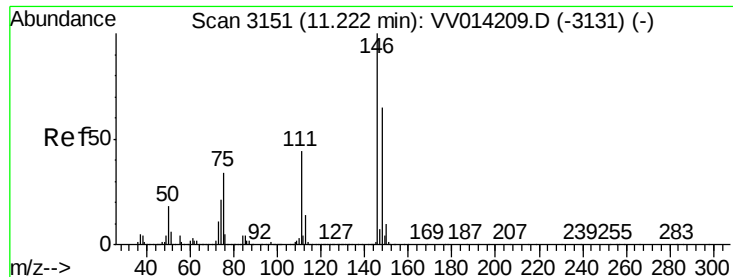
40000

20000

0

Time-->

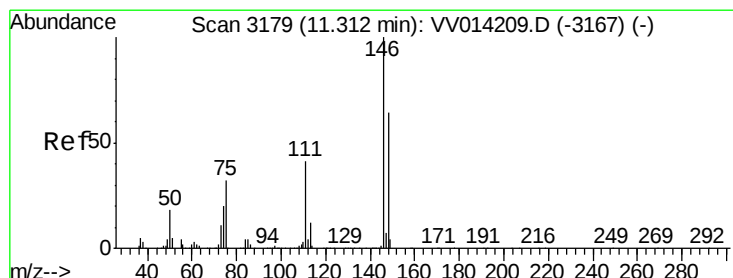
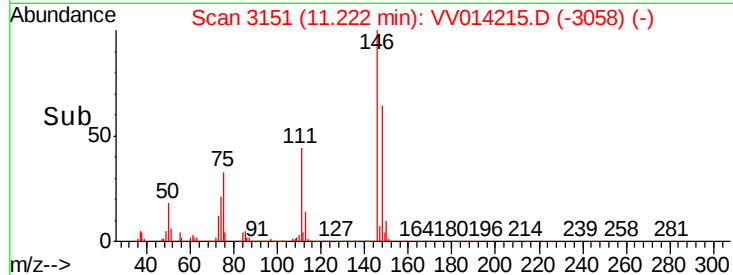
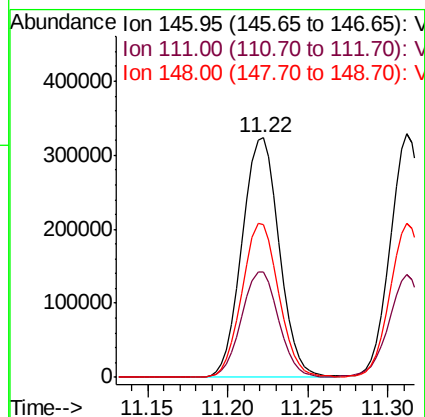
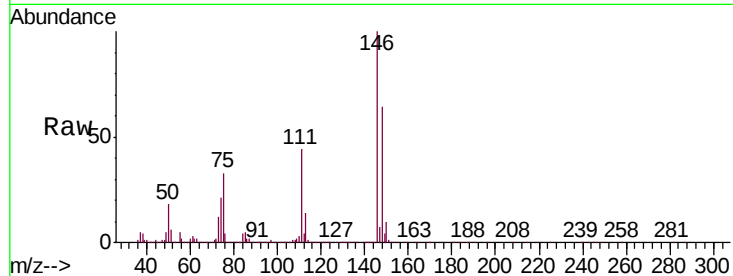




#62
 1,3-Dichlorobenzene
 Concen: 4.470 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

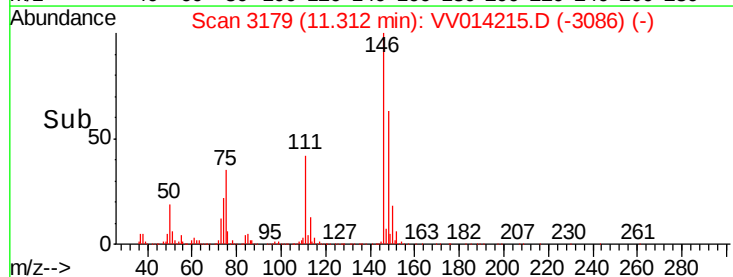
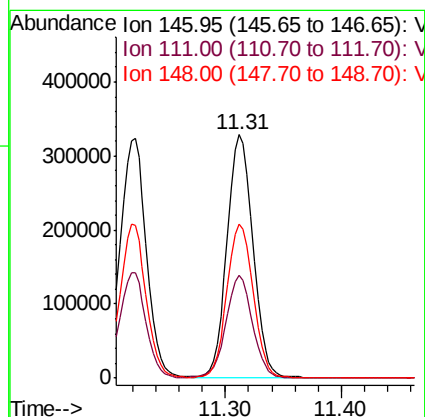
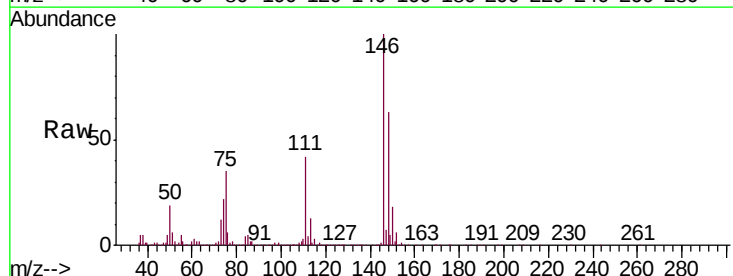
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

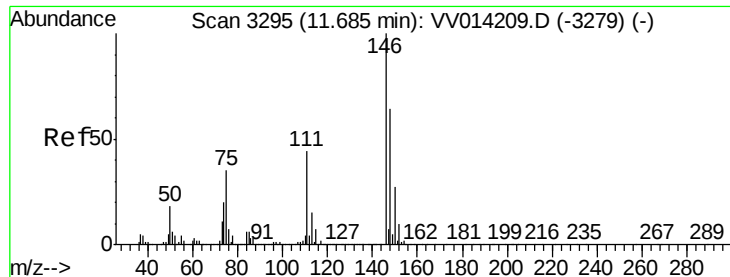
Tgt Ion:146 Resp: 512584
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.7 57.1
 148 63.7 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.419 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion:146 Resp: 506563
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.8 53.4
 148 63.1 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 4.427 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

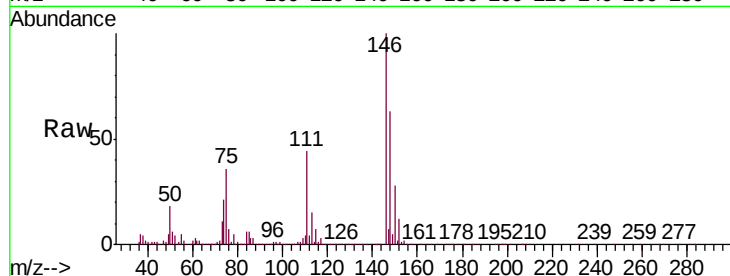
Tgt Ion:146 Resp: 465360

Ion Ratio Lower Upper

146 100

111 44.1 36.4 54.6

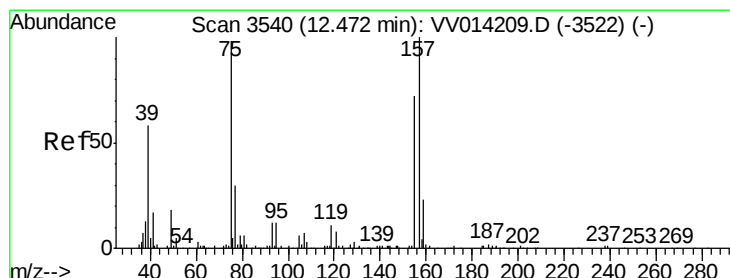
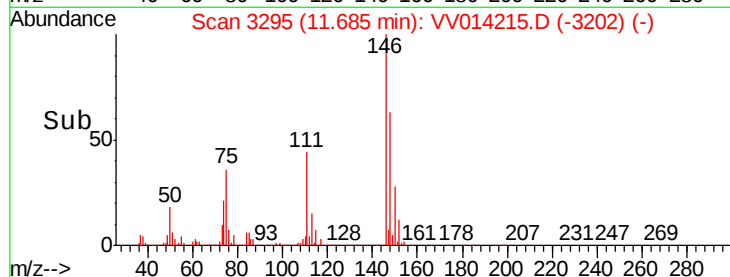
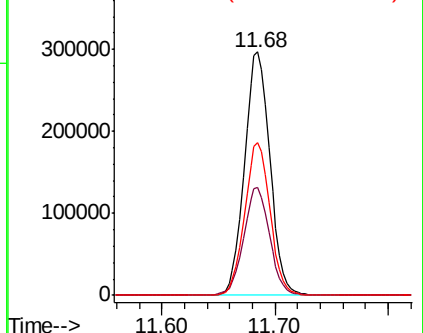
148 62.9 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 3.949 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

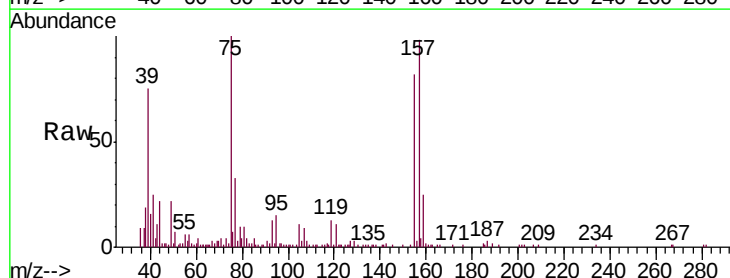
Tgt Ion: 75 Resp: 34187

Ion Ratio Lower Upper

75 100

155 81.5 56.9 85.3

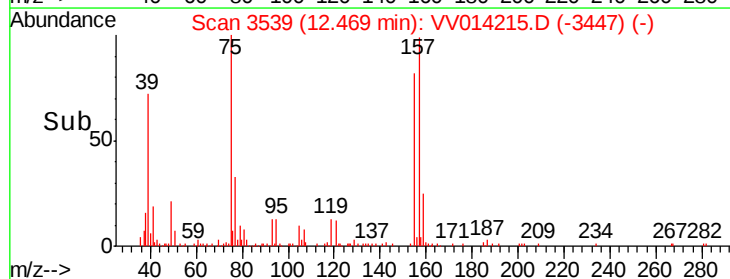
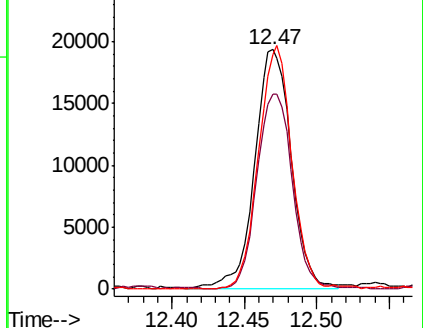
157 98.1 82.0 123.0

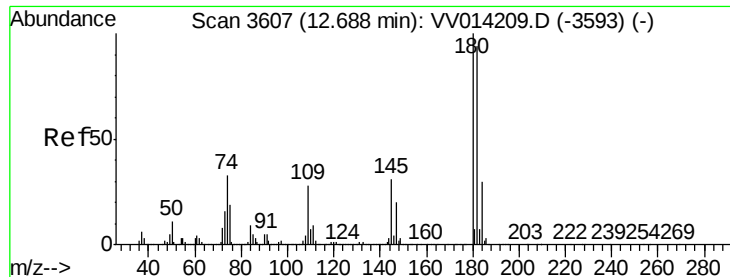


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

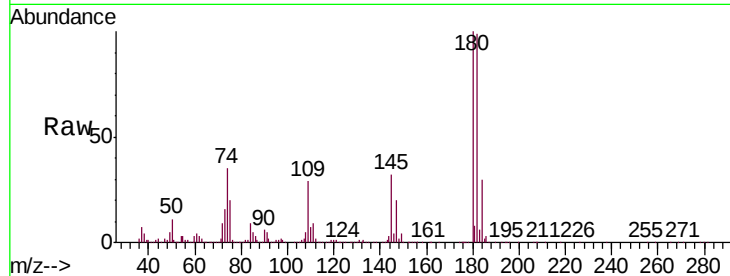




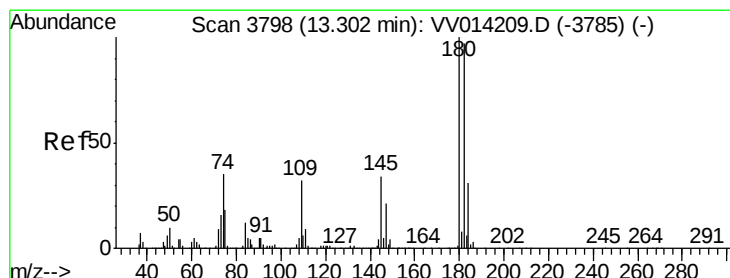
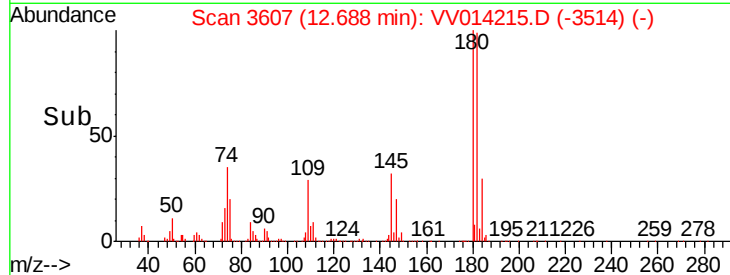
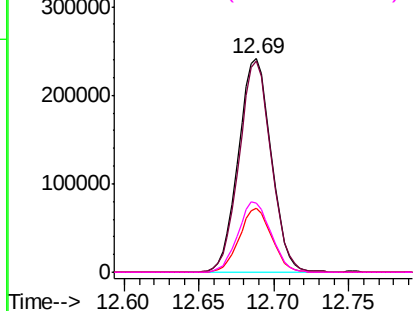
#67
 1,3,5-Trichlorobenzene
 Concen: 4.436 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tgt Ion:	180	Resp:	370382
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	29.6	24.6	36.8
145	33.2	26.9	40.3

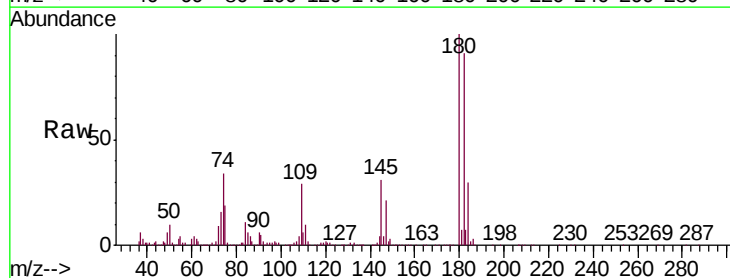


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

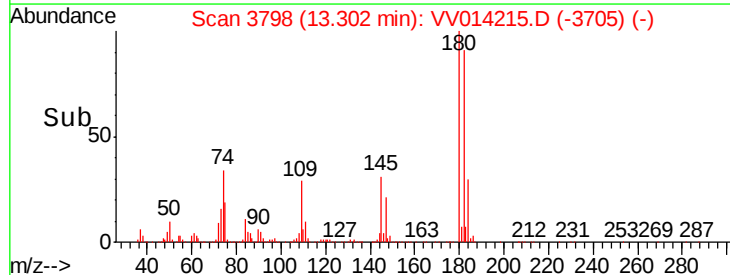
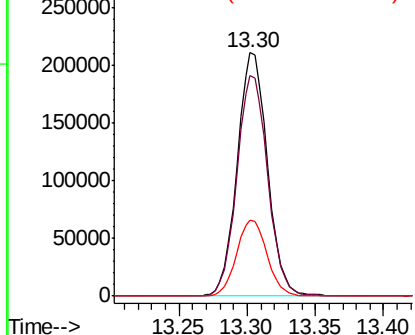


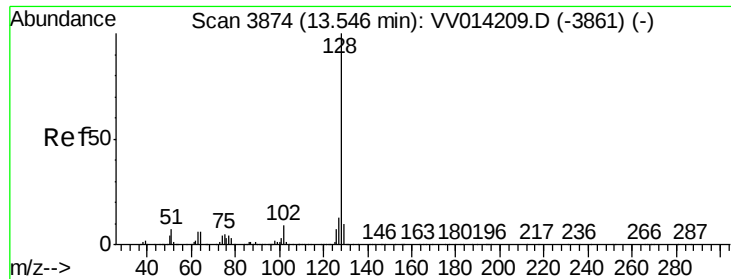
#68
 1,2,4-trichlorobenzene
 Concen: 4.436 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014215.D
 Acq: 28 Dec 2019 14:48

Tgt Ion:	180	Resp:	324867
Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.2	112.8
145	31.6	26.2	39.4



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





#69

Naphthalene

Concen: 4.057 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

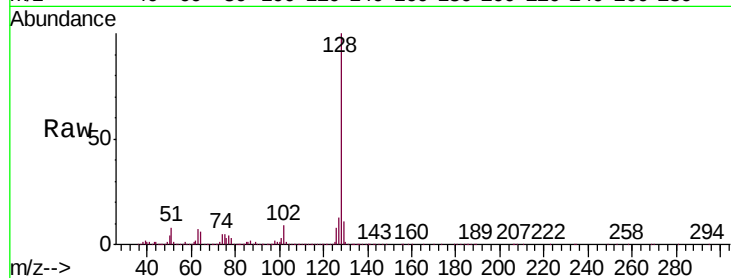
Tgt Ion:128 Resp: 541089

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

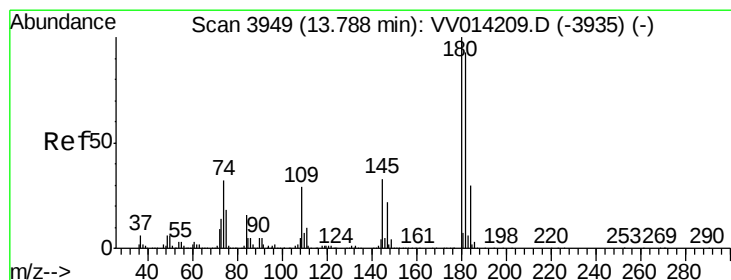
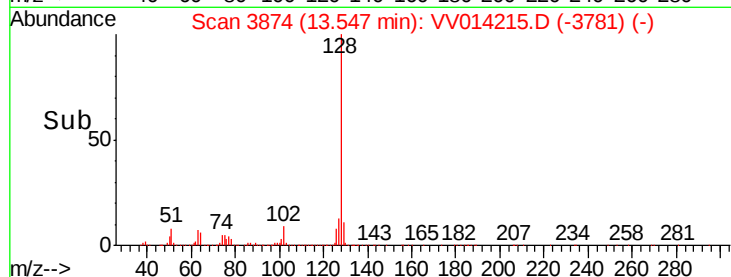
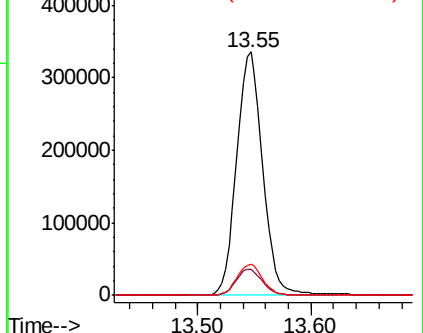
127 12.7 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.274 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014215.D

Acq: 28 Dec 2019 14:48

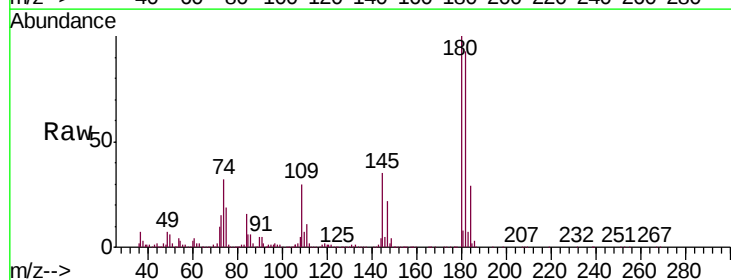
Tgt Ion:180 Resp: 273232

Ion Ratio Lower Upper

180 100

182 94.2 74.8 112.2

145 35.2 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

