

Data File : VV014712.D
Acq On : 28 Feb 2020 16:34
Operator : SY/MD
Sample : VSTD00534
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

Quant Time: Feb 28 22:41:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 28 22:38:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	274427	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	137190	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110194	6.43	ug/L	0.00
7) Chloroethane-d5	1.58	69	85082	6.90	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	185577	7.14	ug/L	0.00
20) 2-Butanone-d5	3.97	46	243555	69.20	ug/L	0.00
24) Chloroform-d	4.40	84	197775	5.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	97680	6.10	ug/L	0.00
32) Benzene-d6	5.09	84	396679	5.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	121226	5.23	ug/L	0.00
41) Toluene-d8	7.35	98	362398	5.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	47522	5.03	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	196480	56.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	86893	5.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	127319	5.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	150132	6.322 ug/L	100
3) Chloromethane	1.25	50	138710	7.171 ug/L	100
5) Vinyl chloride	1.32	62	128275	6.771 ug/L	100
6) Bromomethane	1.53	94	72526	9.614 ug/L	100
8) Chloroethane	1.60	64	71655	7.383 ug/L	100
9) Trichlorofluoromethane	1.77	101	174561	7.041 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91825	6.850 ug/L	100
12) 1,1-Dichloroethene	2.14	96	88525	7.110 ug/L	100
13) Acetone	2.25	43	156085	68.641 ug/L	100
14) Carbon disulfide	2.31	76	295263	5.193 ug/L	100
15) Methyl Acetate	2.48	43	39894	7.172 ug/L	100
16) Methylene chloride	2.53	84	104621	4.796 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	242784	5.799 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	105063	5.367 ug/L	100
19) 1,1-Dichloroethane	3.23	63	206981	5.725 ug/L	100
21) 2-Butanone	4.05	43	278914	71.218 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	113687	5.390 ug/L	100
23) Bromochloromethane	4.30	128	45263	5.660 ug/L	100
25) Chloroform	4.42	83	200854	5.567 ug/L	100
27) 1,2-Dichloroethane	5.18	62	123844	6.188 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	175207	5.432 ug/L	100
30) Cyclohexane	4.72	56	198372	5.349 ug/L	100
31) Carbon tetrachloride	4.87	117	152400	5.520 ug/L	100
33) Benzene	5.14	78	446930	5.296 ug/L	100
34) Trichloroethene	5.96	95	111824	5.076 ug/L	100
35) Methylcyclohexane	6.17	83	197536	5.182 ug/L	100
37) 1,2-Dichloropropane	6.22	63	114051	5.411 ug/L	100
38) Bromodichloromethane	6.55	83	137414	5.364 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	159990	5.112 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	704401	59.667 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	476536	5.292	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	128979	5.390	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	71465	5.262	ug/L	100
47) Tetrachloroethene	8.01	164	90802	5.576	ug/L	100
48) 2-Hexanone	8.18	43	508064	61.461	ug/L	100
49) Dibromochloromethane	8.29	129	81828	5.085	ug/L	100
50) 1,2-Dibromoethane	8.39	107	68601	5.435	ug/L	100
51) Chlorobenzene	8.92	112	294331	5.265	ug/L	100
52) Ethylbenzene	9.05	91	532882	5.271	ug/L	100
53) m,p-xylene	9.18	106	197080	5.261	ug/L	100
54) o-xylene	9.58	106	191739	5.238	ug/L	100
55) Styrene	9.60	104	327287	5.402	ug/L	100
56) Isopropylbenzene	9.97	105	519777	5.377	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	90142	5.627	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	65750	5.587	ug/L	100
61) Bromoform	9.77	173	41237	4.981	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	239692	5.298	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	238098	5.282	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	216721	5.308	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	13688	4.367	ug/L	100
67) 1,3,5-Trichlorobenzene	12.68	180	194404	5.681	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	164018	5.719	ug/L	100
69) Naphthalene	13.54	128	274246	5.504	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	147814	5.905	ug/L	100

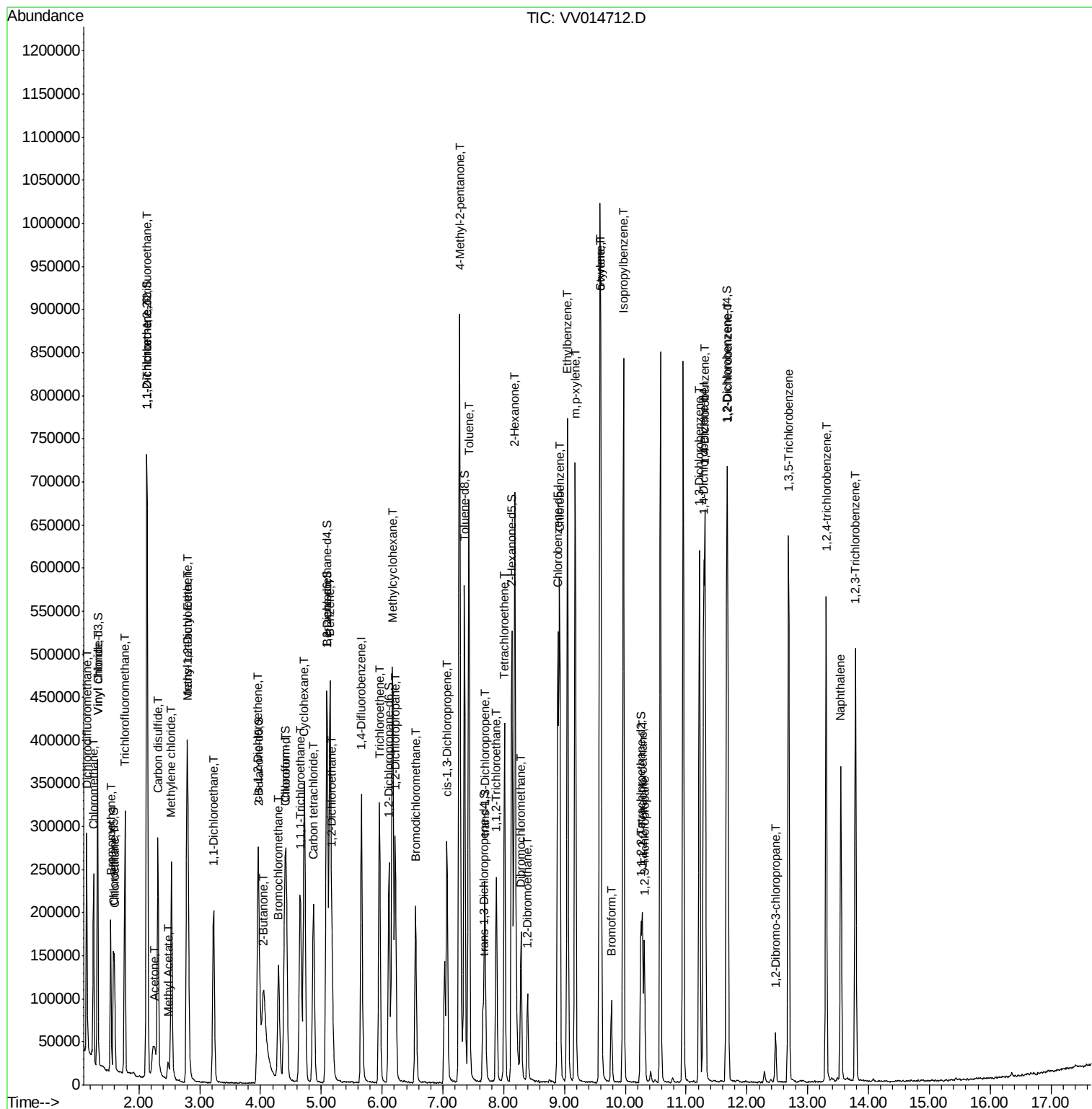
(#) = qualifier out of range (m) = manual integration (+) = signals summed

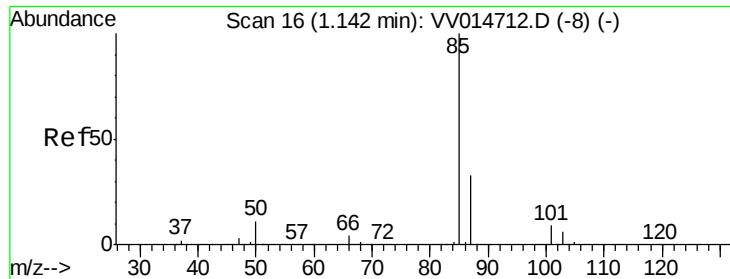
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#2

Dichlorodifluoromethane

Concen: 6.322 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

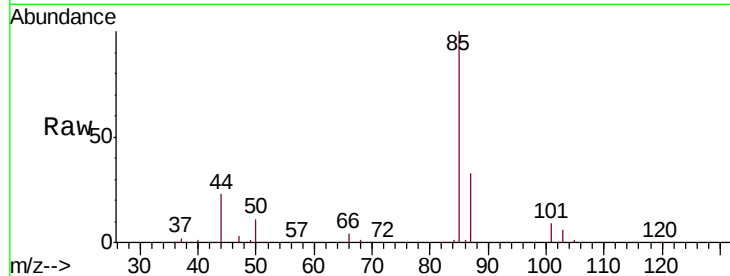
VSTD00534

Tgt Ion: 85 Resp: 150132

Ion Ratio Lower Upper

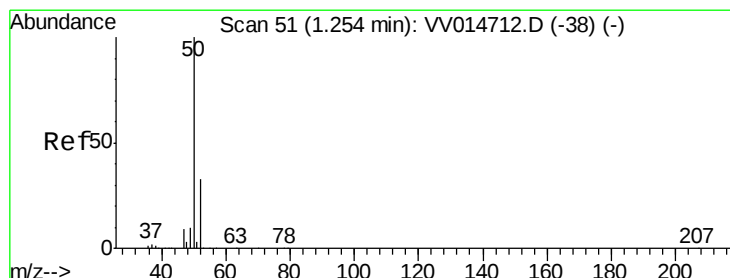
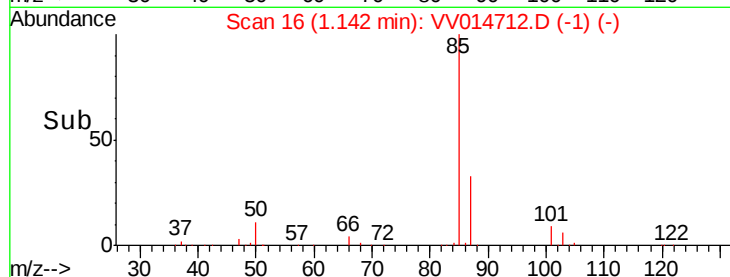
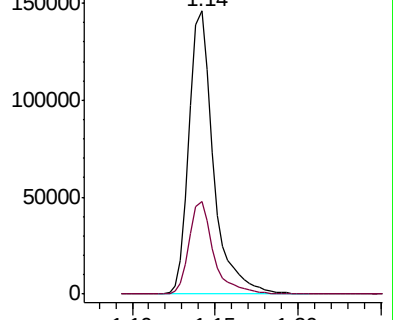
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014712.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014712.D (-8) (-)



#3

Chloromethane

Concen: 7.171 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014712.D

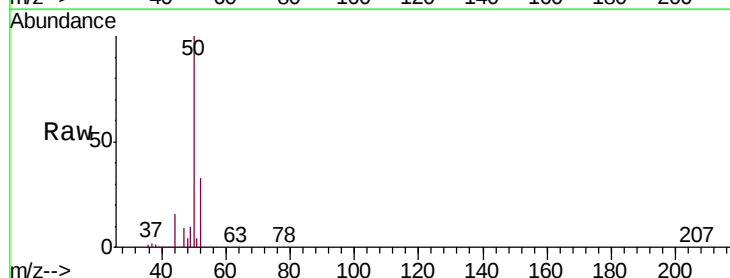
Acq: 28 Feb 2020 16:34

Tgt Ion: 50 Resp: 138710

Ion Ratio Lower Upper

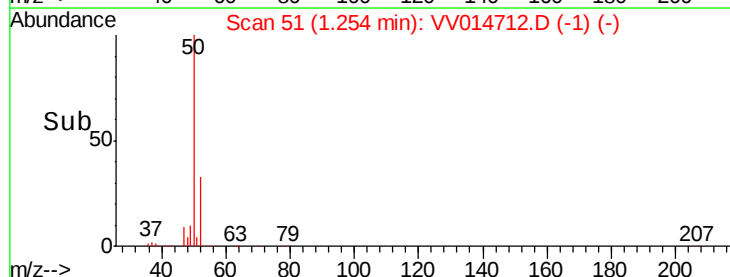
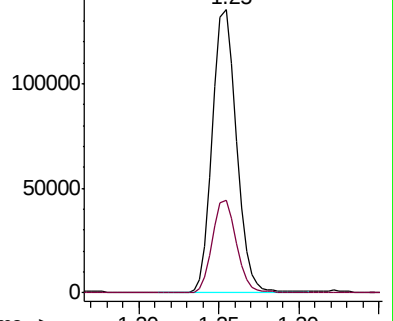
50 100

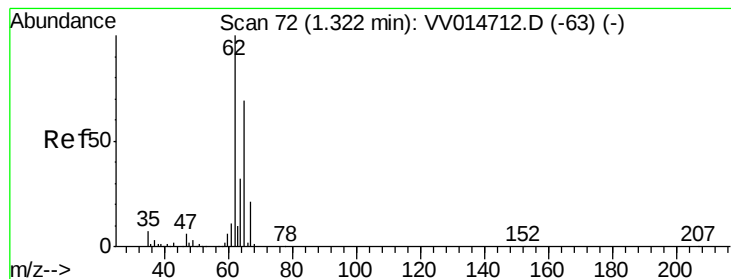
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014712.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV014712.D (-38) (-)





#5

Vinyl chloride

Concen: 6.771 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

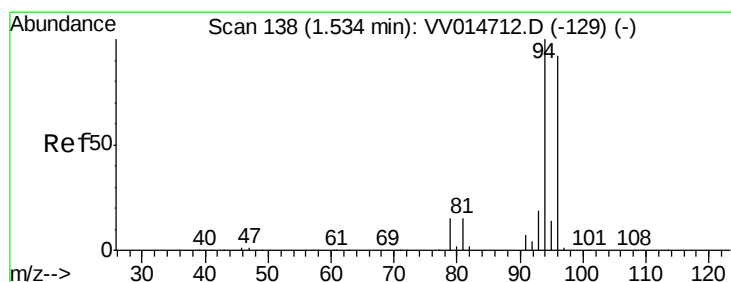
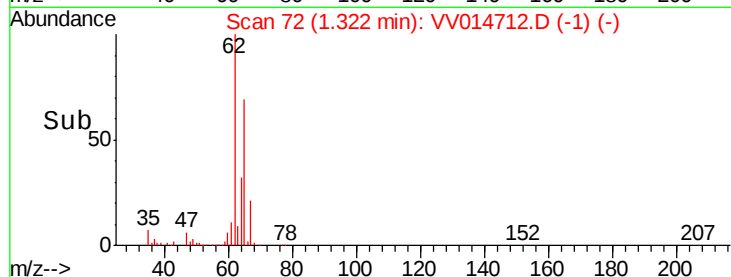
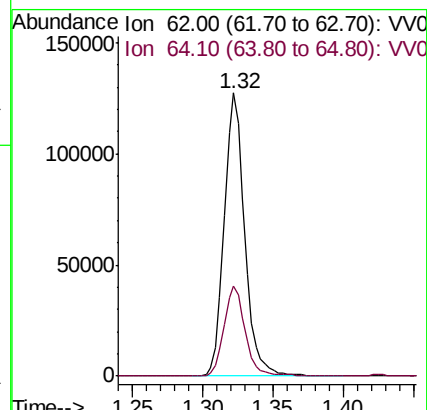
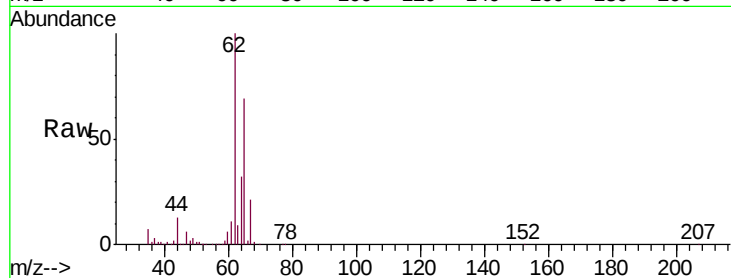
VSTD00534

Tgt Ion: 62 Resp: 128275

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



#6

Bromomethane

Concen: 9.614 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014712.D

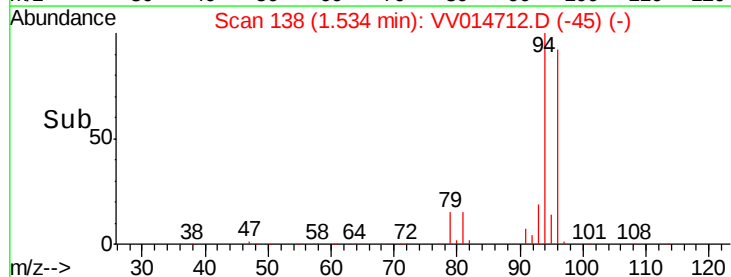
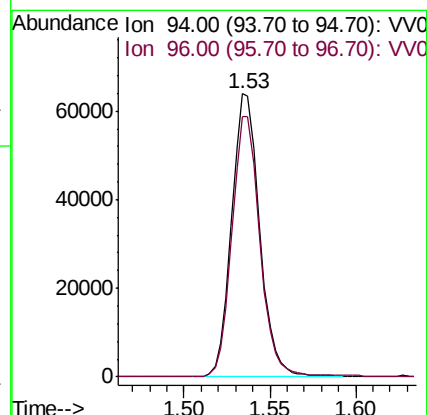
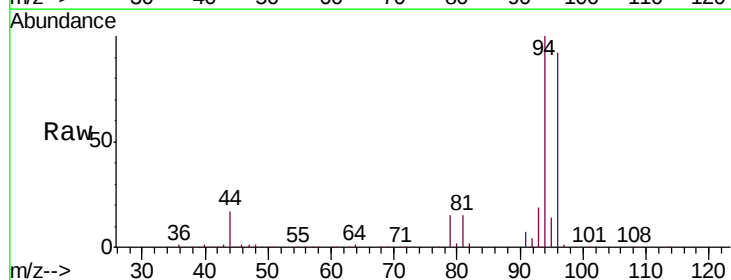
Acq: 28 Feb 2020 16:34

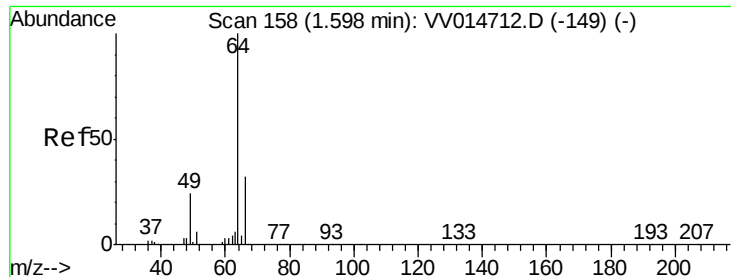
Tgt Ion: 94 Resp: 72526

Ion Ratio Lower Upper

94 100

96 91.9 64.3 119.5





#8

Chloroethane

Concen: 7.383 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

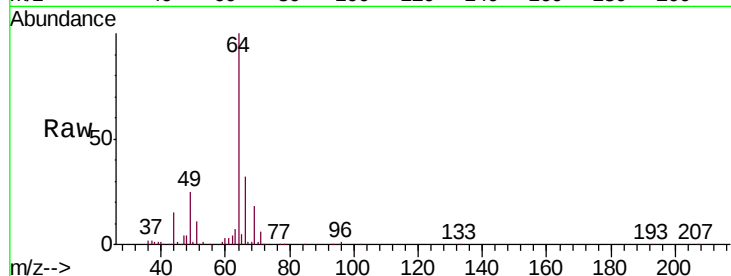
VSTD00534

Tgt Ion: 64 Resp: 71655

Ion Ratio Lower Upper

64 100

66 32.4 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014712.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014712.D (-149) (-)

1.60

60000

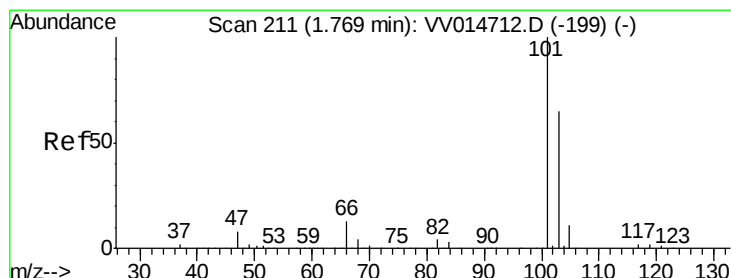
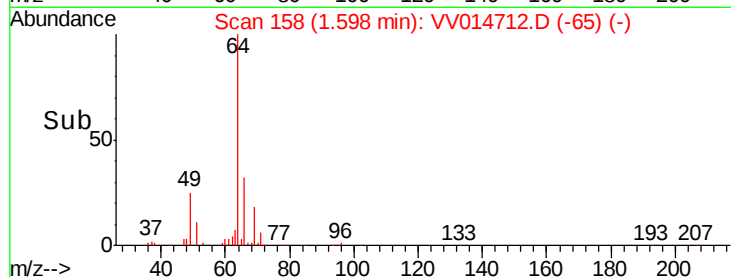
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 7.041 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014712.D

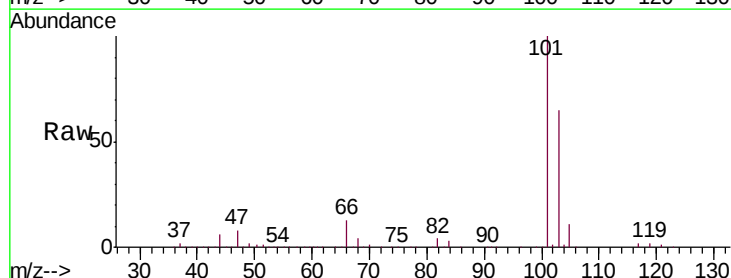
Acq: 28 Feb 2020 16:34

Tgt Ion: 101 Resp: 174561

Ion Ratio Lower Upper

101 100

103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014712.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014712.D (-199) (-)

1.77

150000

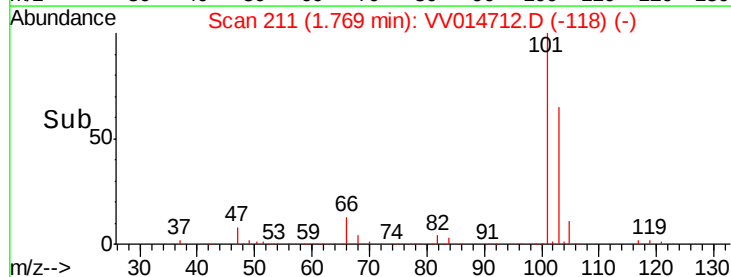
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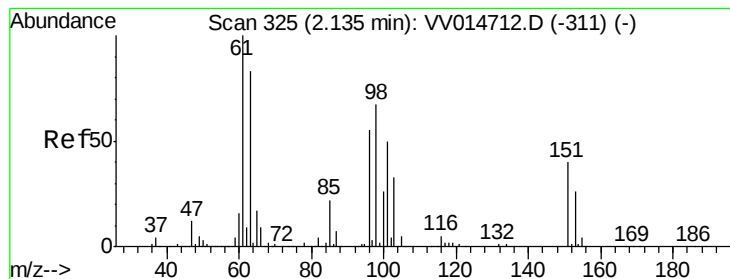
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 6.850 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

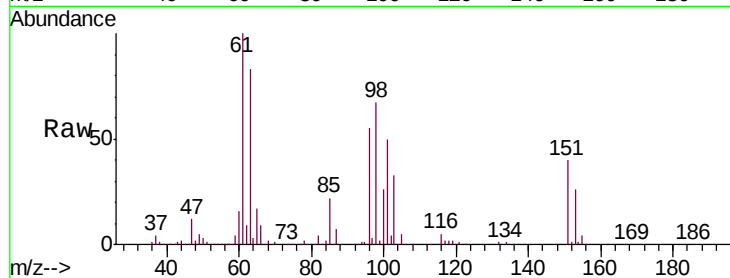
Tgt Ion: 101 Resp: 91825

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

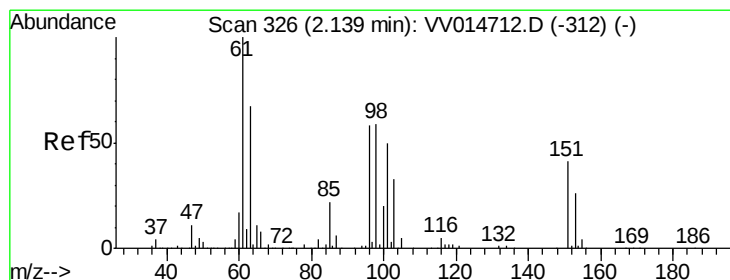
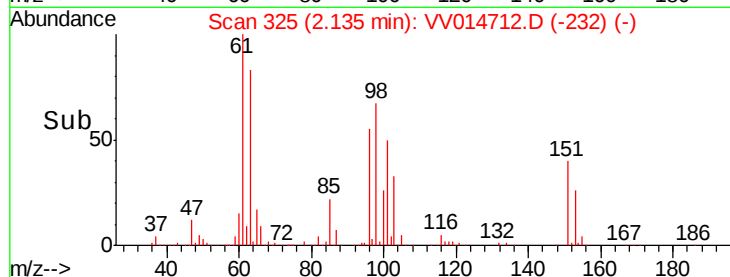
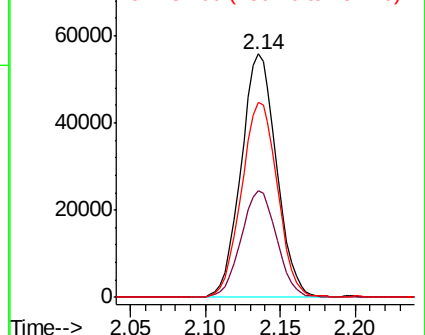
151 81.6 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 7.110 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

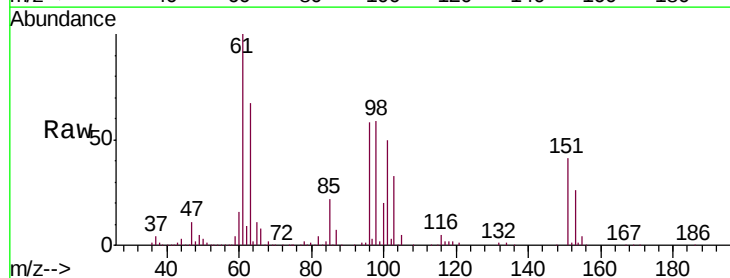
Tgt Ion: 96 Resp: 88525

Ion Ratio Lower Upper

96 100

61 173.3 121.3 225.3

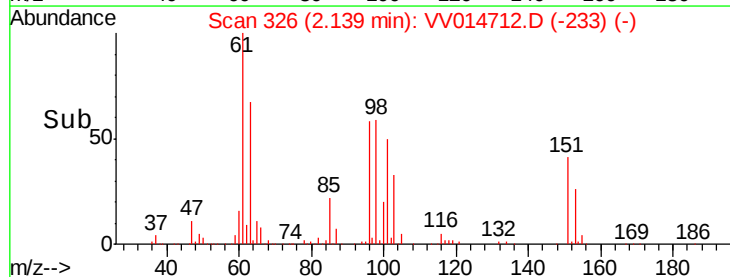
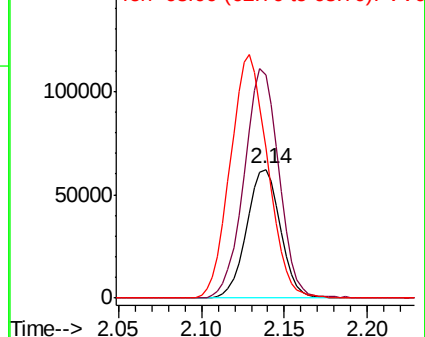
63 116.6 81.6 151.6

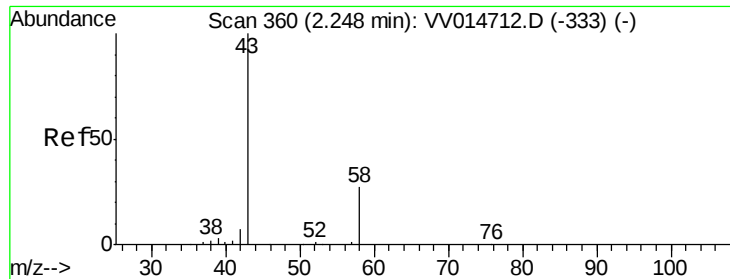


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 68.641 ug/L

RT: 2.25 min Scan# 360

Delta R.T. 0.00 min

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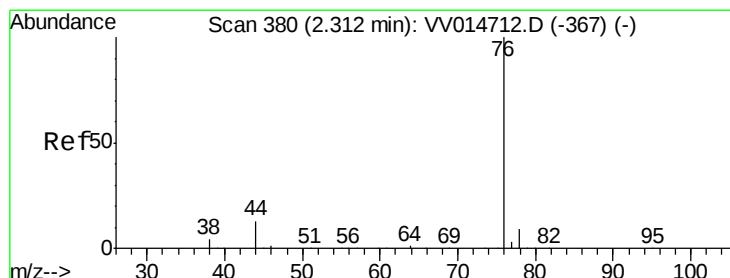
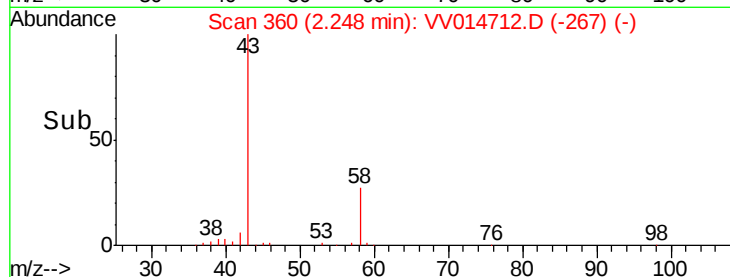
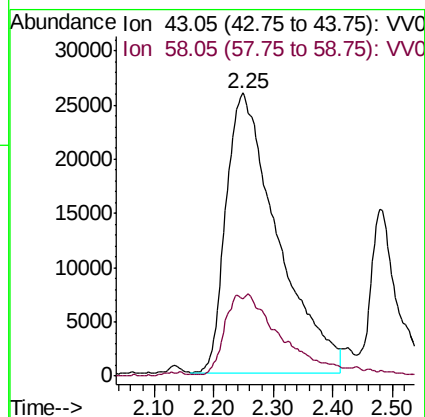
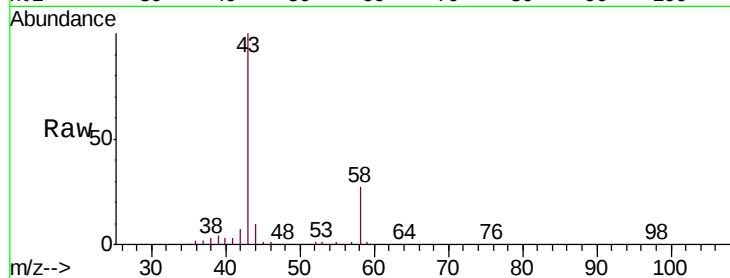
VSTD00534

Tgt Ion: 43 Resp: 156085

Ion Ratio Lower Upper

43 100

58 10.0 0.0 20.0



#14

Carbon disulfide

Concen: 5.193 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014712.D

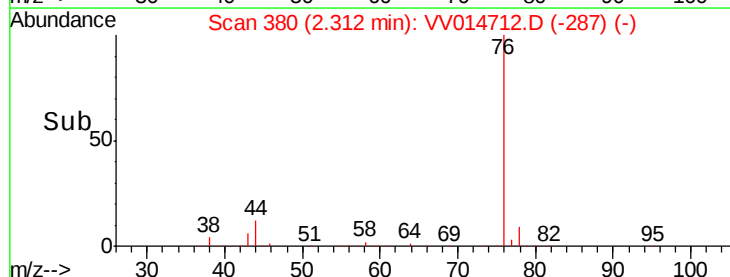
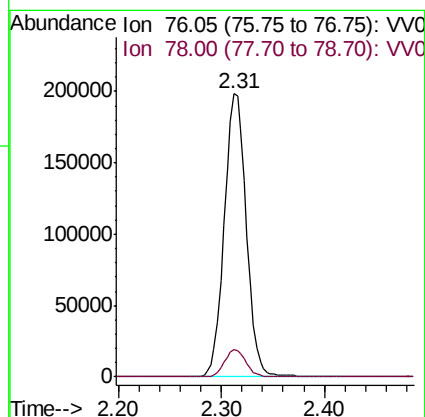
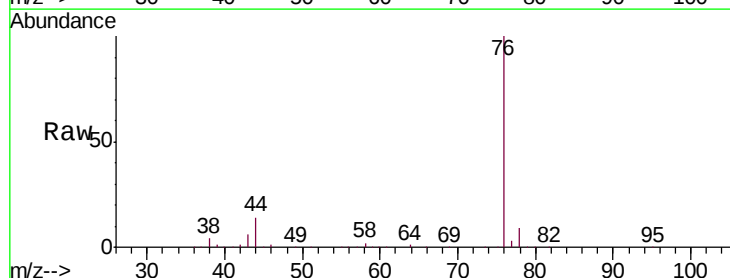
Acq: 28 Feb 2020 16:34

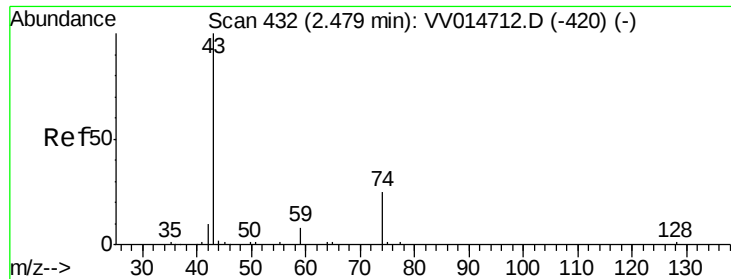
Tgt Ion: 76 Resp: 295263

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4

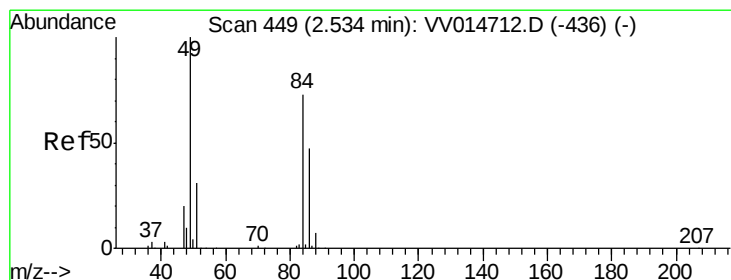
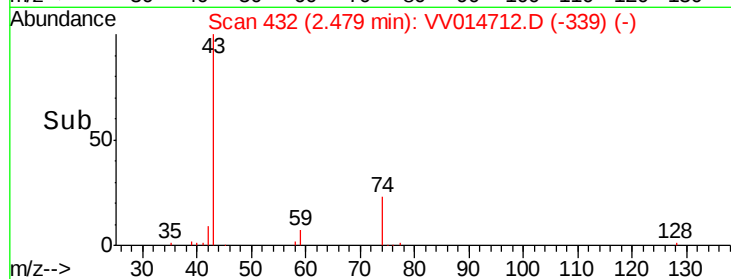
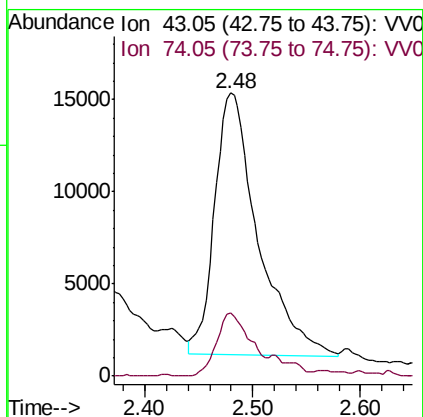
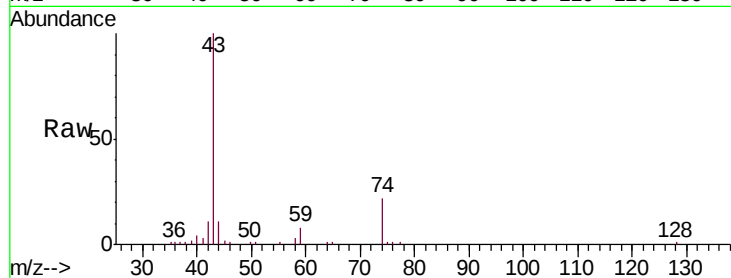




#15
Methyl Acetate
Concen: 7.172 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

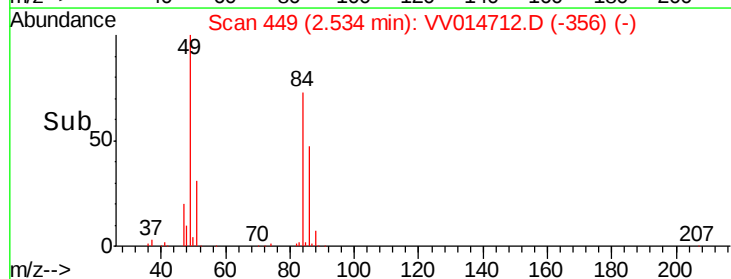
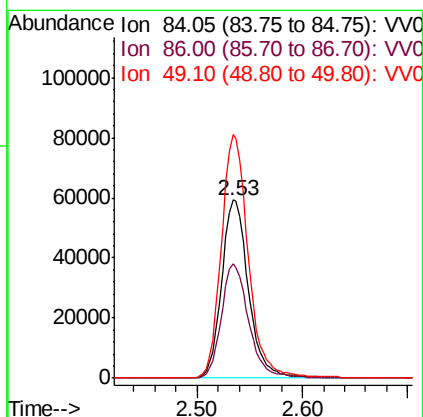
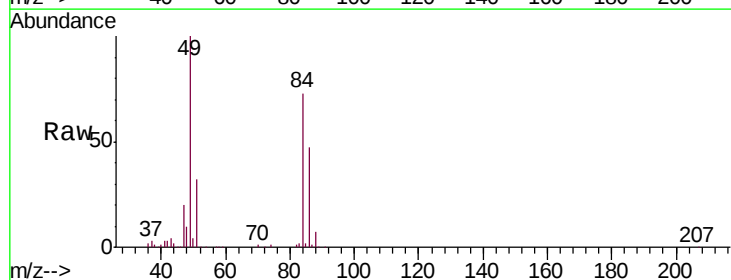
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

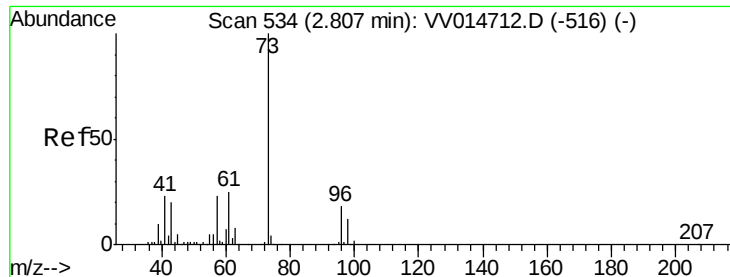
Tgt Ion: 43 Resp: 39894
Ion Ratio Lower Upper
43 100
74 18.5 14.8 22.2



#16
Methylene chloride
Concen: 4.796 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 84 Resp: 104621
Ion Ratio Lower Upper
84 100
86 64.2 44.9 83.5
49 136.6 95.6 177.6





#17

Methyl tert-butyl Ether

Concen: 5.799 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

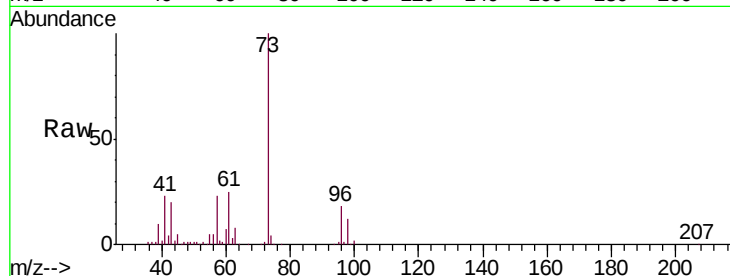
Tgt Ion: 73 Resp: 242784

Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

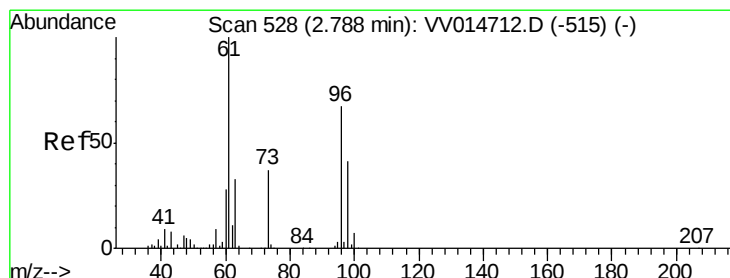
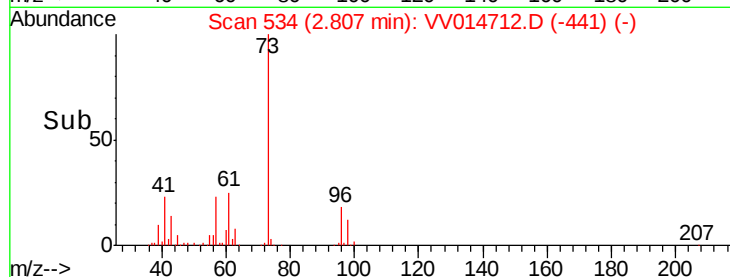
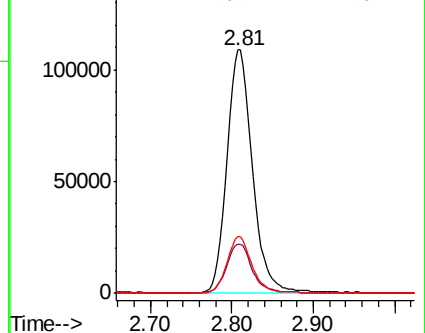
57 23.0 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV014712.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV014712.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV014712.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.367 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

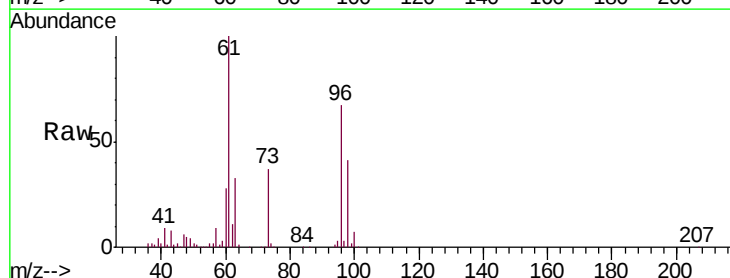
Tgt Ion: 96 Resp: 105063

Ion Ratio Lower Upper

96 100

61 149.9 104.9 194.9

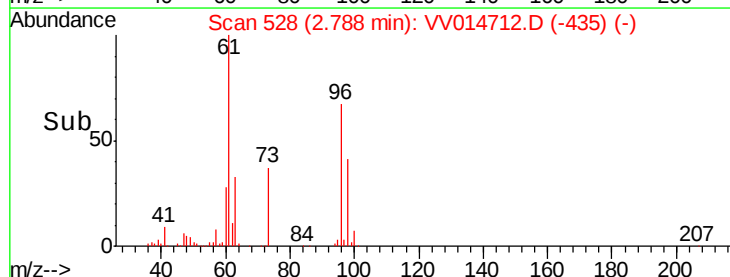
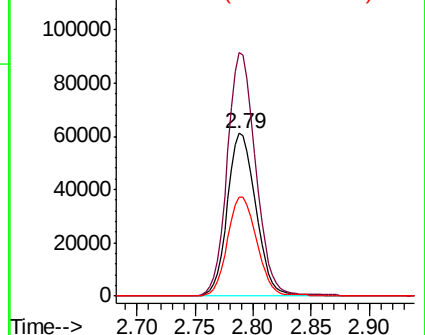
98 61.3 42.9 79.7

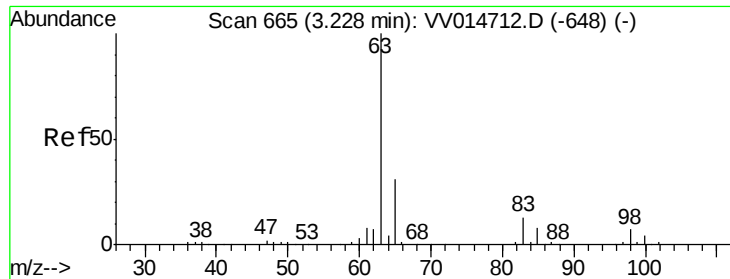


Abundance Ion 96.00 (95.70 to 96.70): VV014712.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV014712.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV014712.D (-515) (-)

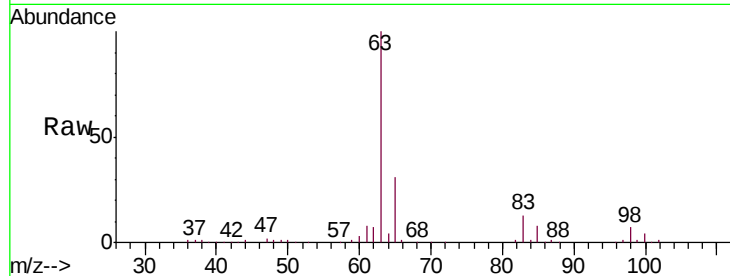




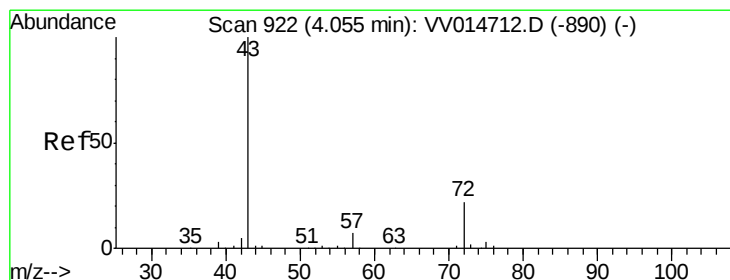
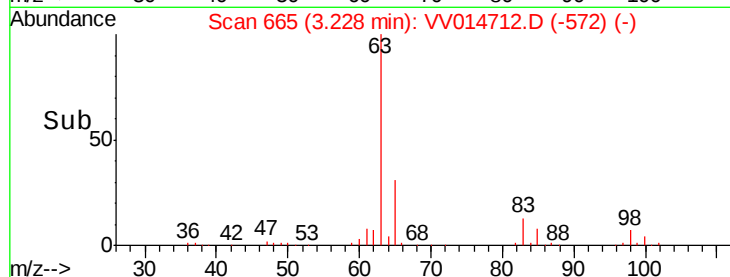
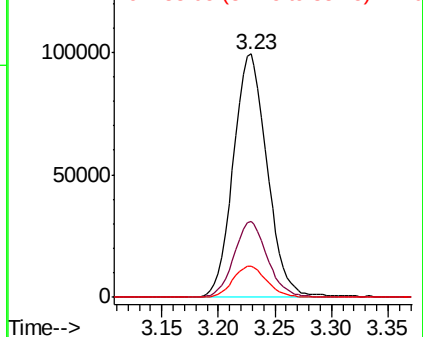
#19
 1,1-Dichloroethane
 Concen: 5.725 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion: 63 Resp: 206981
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 12.8 9.0 16.6

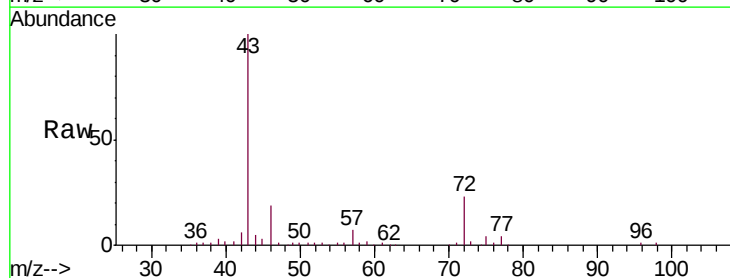


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

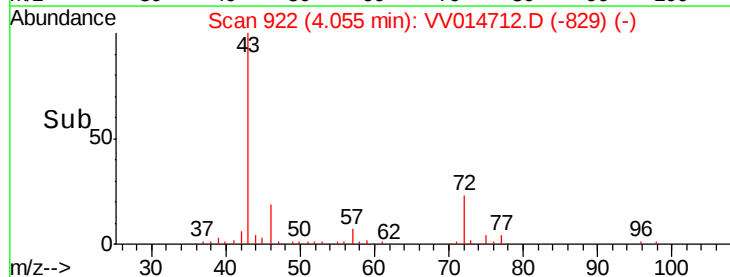
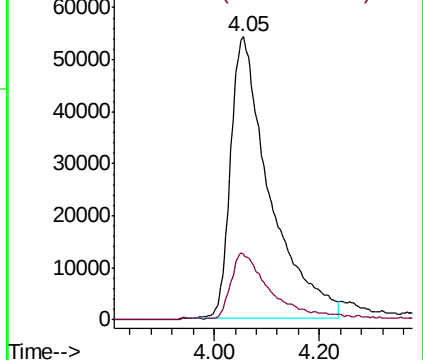


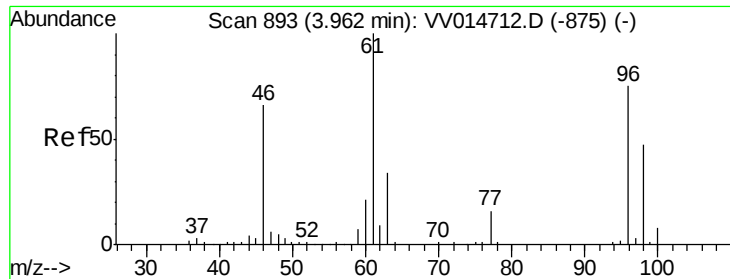
#21
 2-Butanone
 Concen: 71.218 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion: 43 Resp: 278914
 Ion Ratio Lower Upper
 43 100
 72 21.1 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



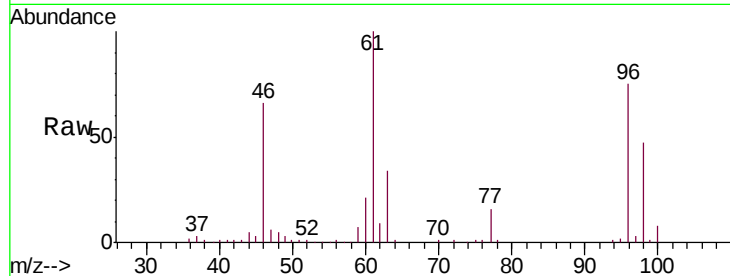


#22

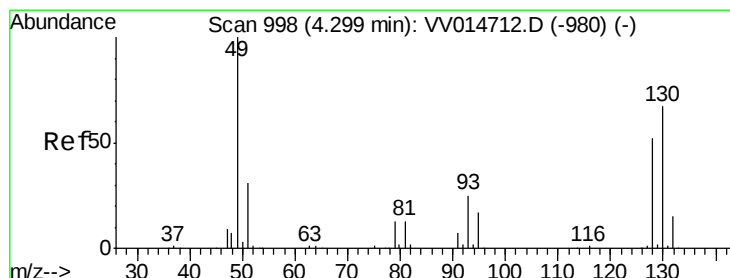
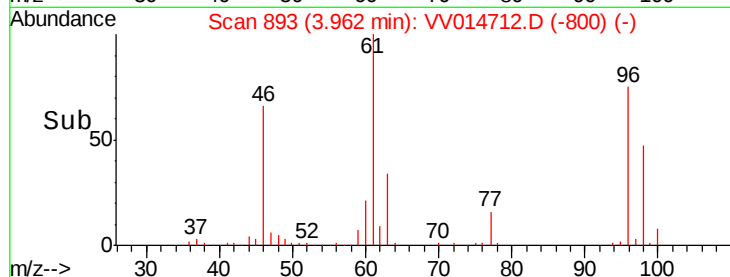
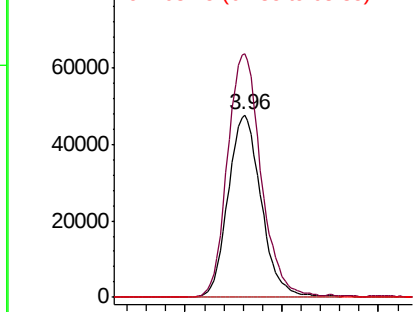
cis-1,2-Dichloroethene
 Concen: 5.390 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion: 96 Resp: 113687
 Ion Ratio Lower Upper
 96 100
 61 133.3 93.3 173.3
 68 0.0 0.0 0.0



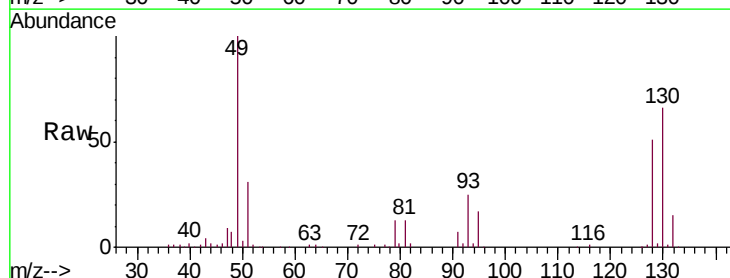
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



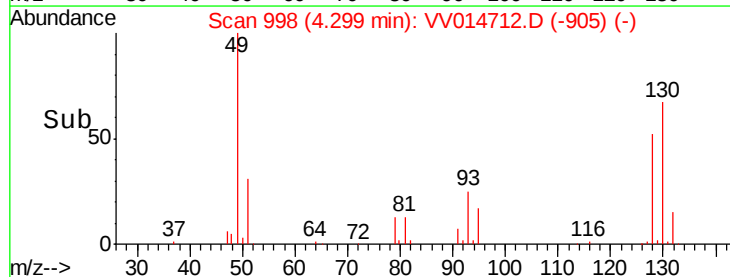
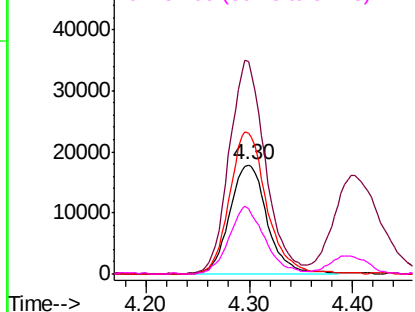
#23

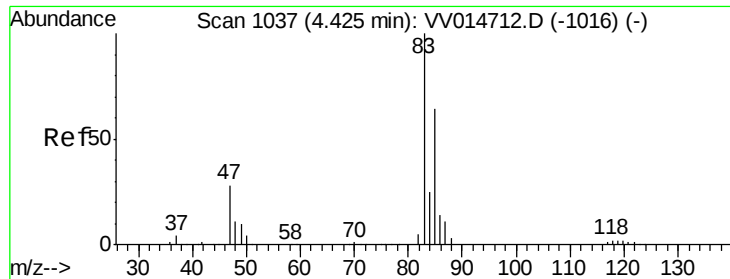
Bromochloromethane
 Concen: 5.660 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion: 128 Resp: 45263
 Ion Ratio Lower Upper
 128 100
 49 194.5 136.2 252.9
 130 129.0 90.3 167.7
 51 59.9 47.9 71.9



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

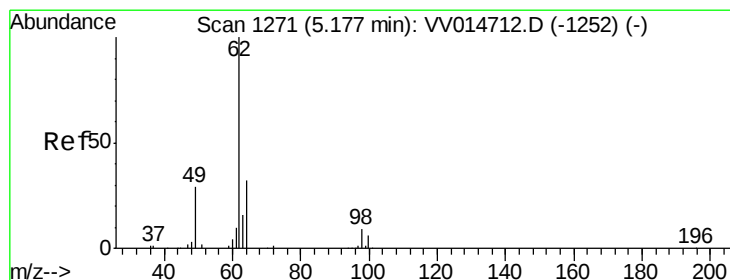
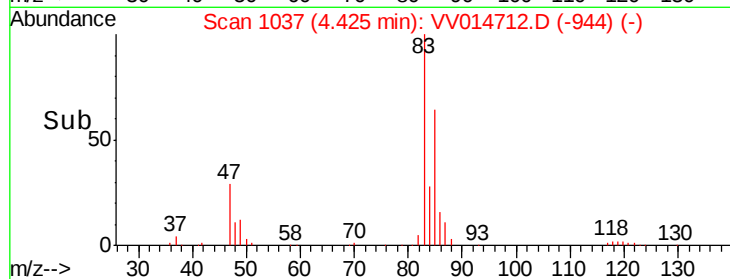
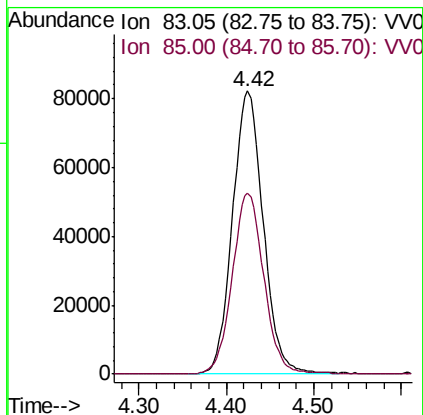
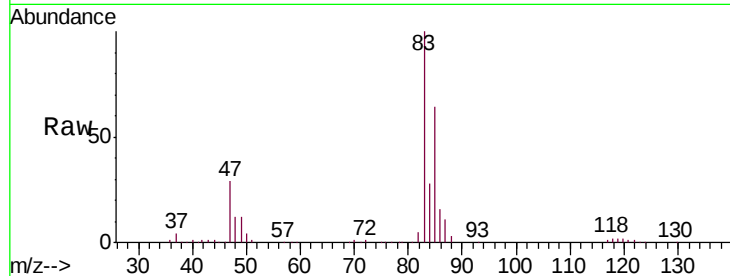




#25
Chloroform
Concen: 5.567 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

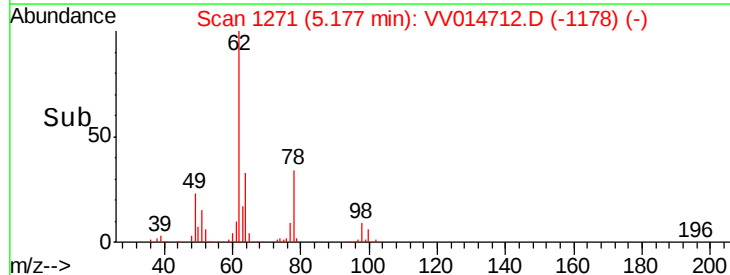
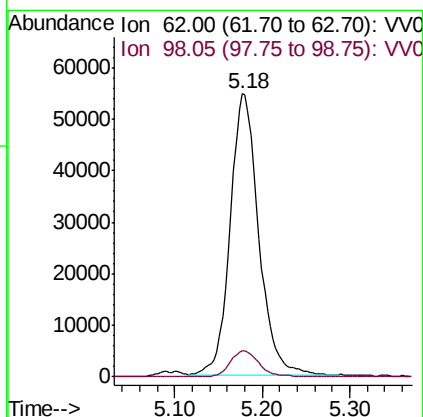
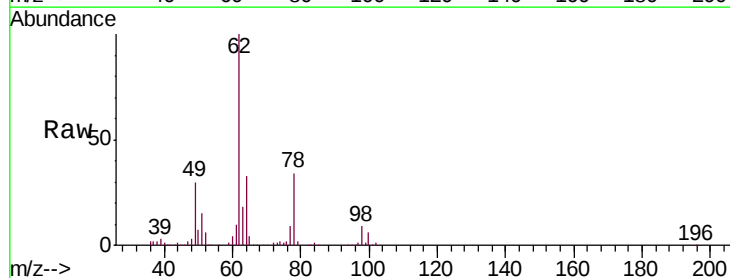
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

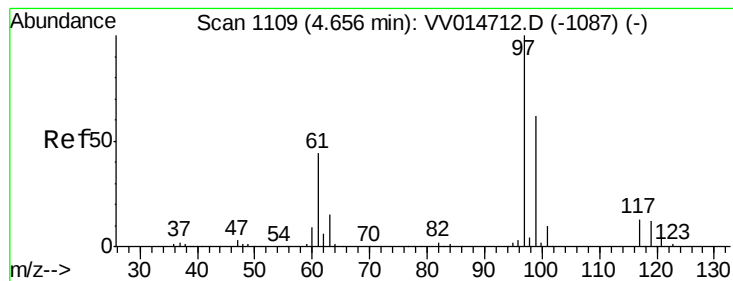
Tgt Ion: 83 Resp: 200854
Ion Ratio Lower Upper
83 100
85 63.9 44.7 83.1



#27
1,2-Dichloroethane
Concen: 6.188 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 62 Resp: 123844
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.432 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

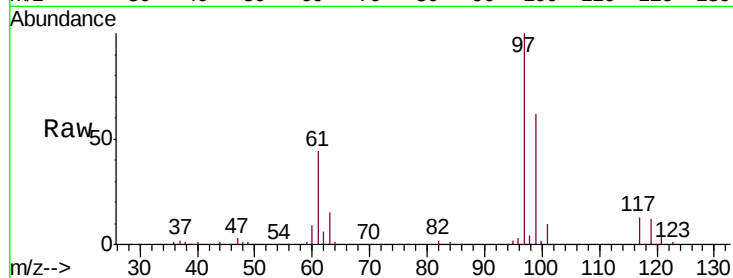
Tgt Ion: 97 Resp: 175207

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

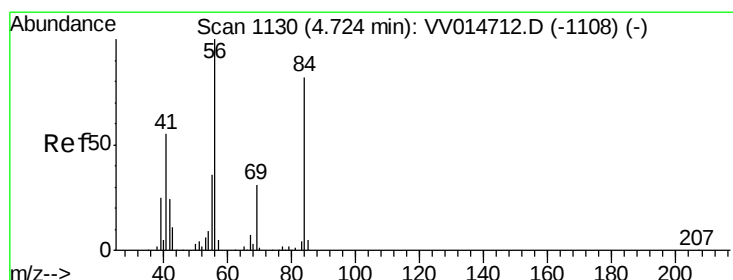
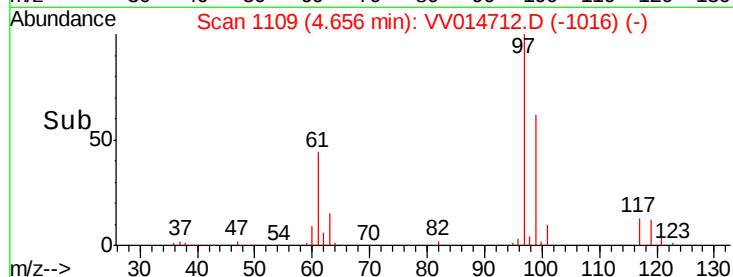
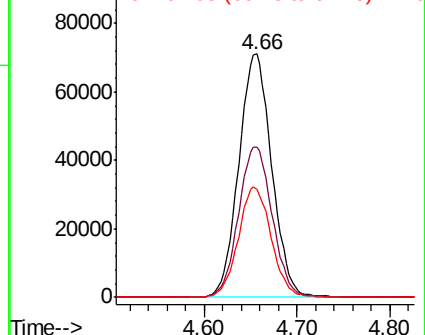
61 45.4 36.3 54.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.349 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

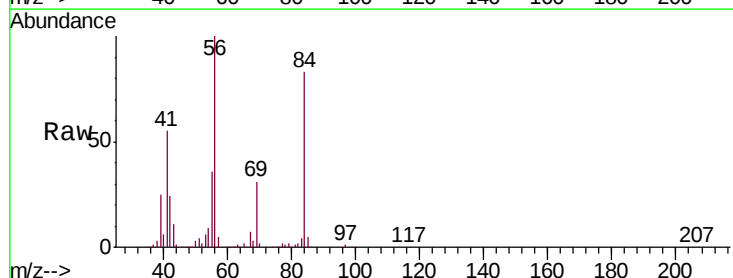
Tgt Ion: 56 Resp: 198372

Ion Ratio Lower Upper

56 100

69 29.3 23.4 35.2

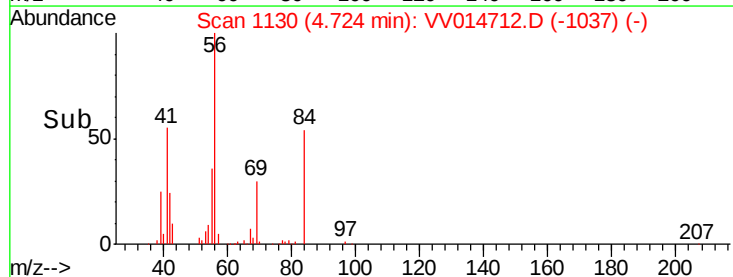
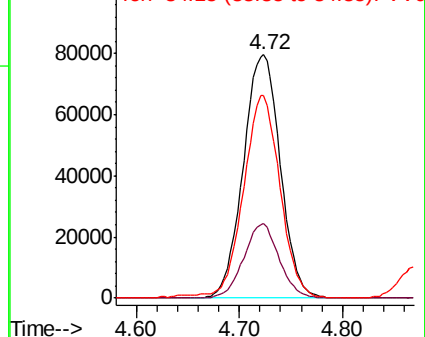
84 82.9 66.3 99.5

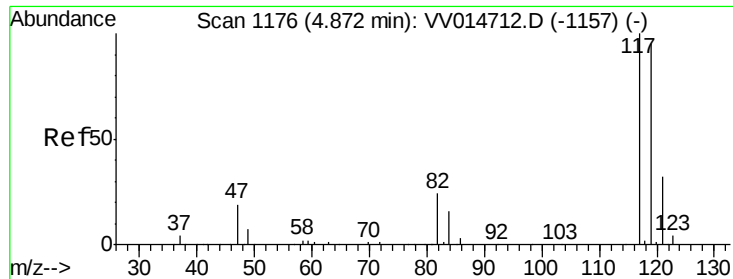


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.520 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

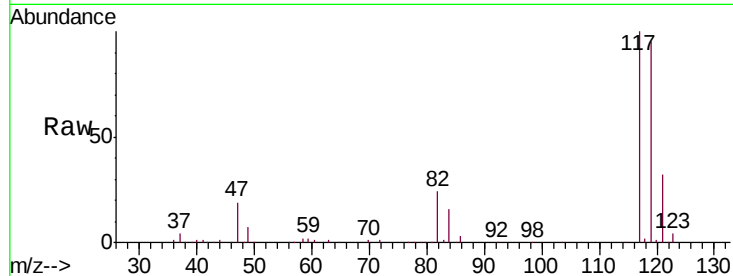
VSTD00534

Tgt Ion:117 Resp: 152400

Ion Ratio Lower Upper

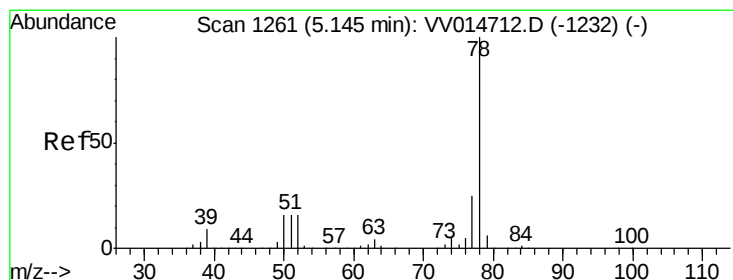
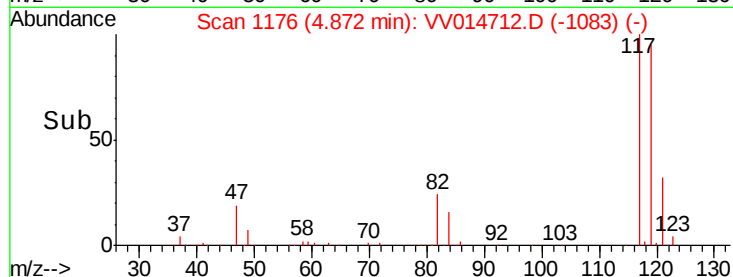
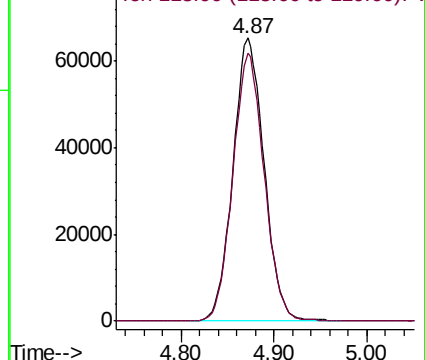
117 100

119 94.7 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.296 ug/L

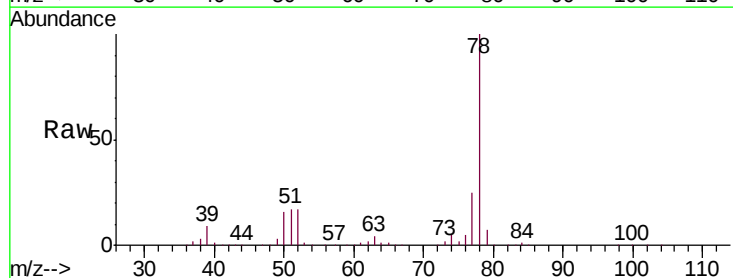
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

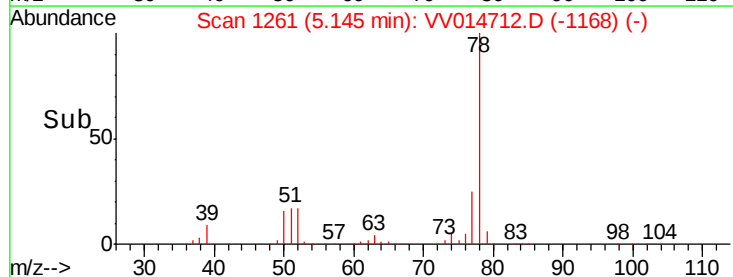
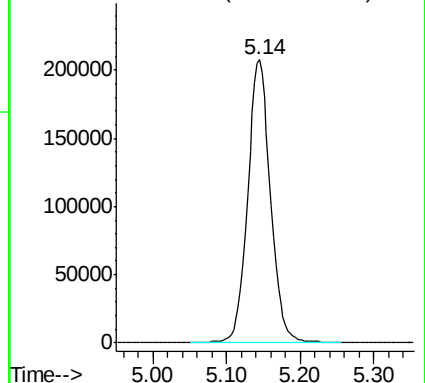
Lab File: VV014712.D

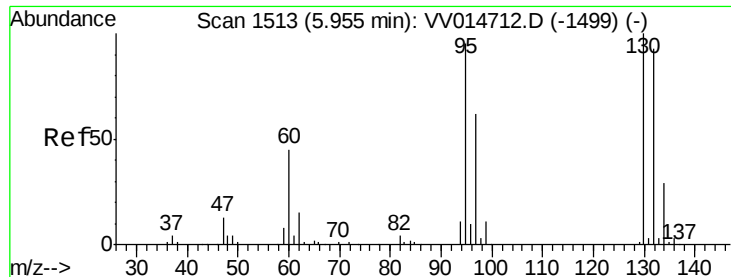
Acq: 28 Feb 2020 16:34

Tgt Ion: 78 Resp: 446930



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.076 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

Tgt Ion: 95 Resp: 111824

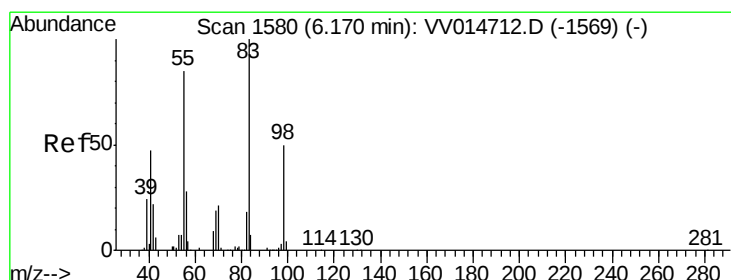
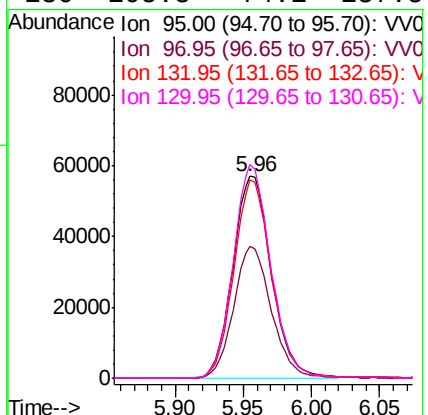
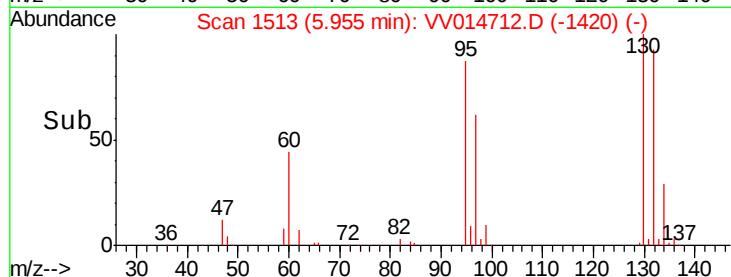
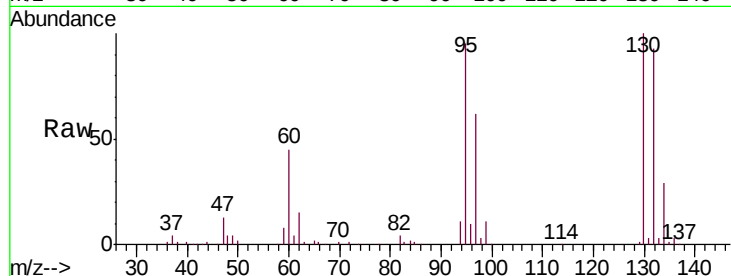
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.0

132 98.1 68.7 127.5

130 105.8 74.1 137.5



#35

Methylcyclohexane

Concen: 5.182 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

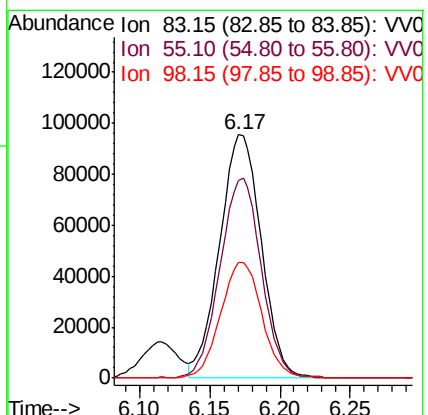
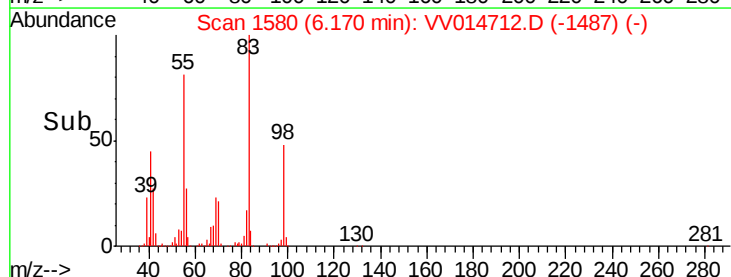
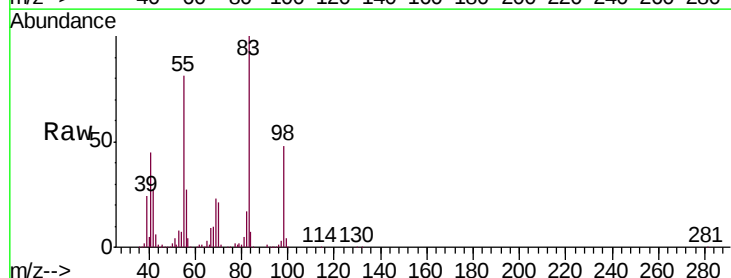
Tgt Ion: 83 Resp: 197536

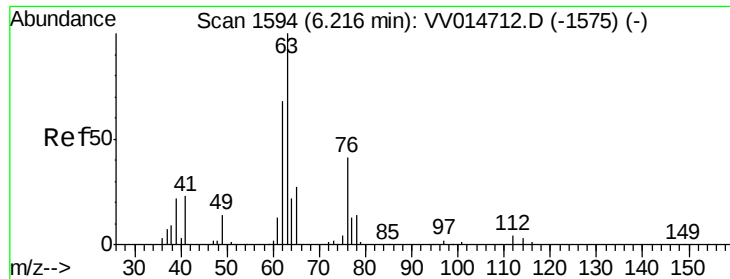
Ion Ratio Lower Upper

83 100

55 80.7 64.6 96.8

98 47.3 37.8 56.8





#37

1,2-Dichloropropane

Concen: 5.411 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

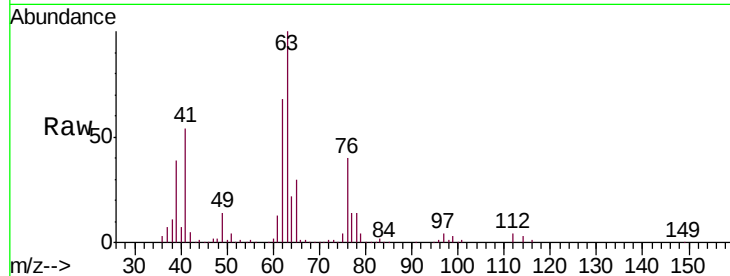
VSTD00534

Tgt Ion: 63 Resp: 114051

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV014712.D (-1575) (-)

Ion 112.10 (111.80 to 112.80): VV014712.D (-1575) (-)

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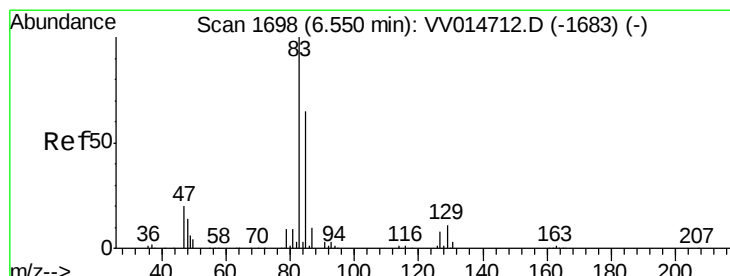
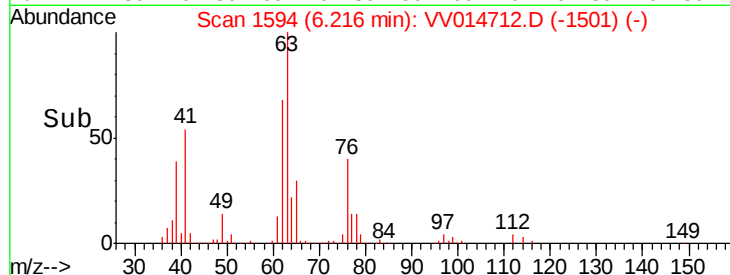
6.22

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6.22

6.22

6.22



#38

Bromodichloromethane

Concen: 5.364 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

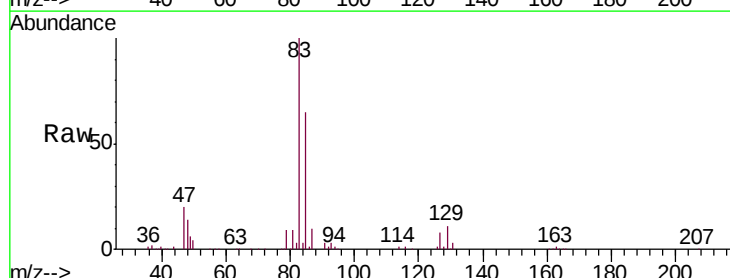
Tgt Ion: 83 Resp: 137414

Ion Ratio Lower Upper

83 100

85 64.6 45.2 84.0

127 8.3 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV014712.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV014712.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV014712.D (-1683) (-)

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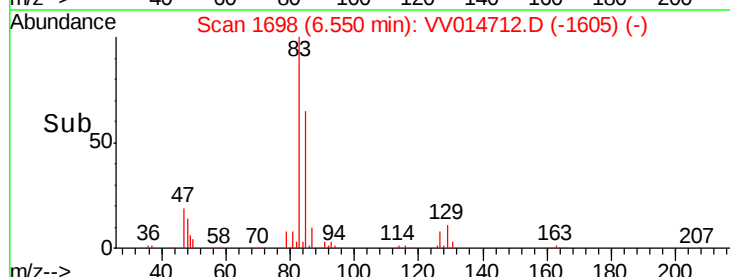
6.55

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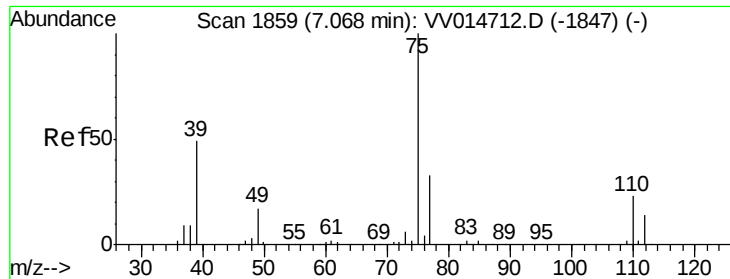
6.55

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6.55

6.55

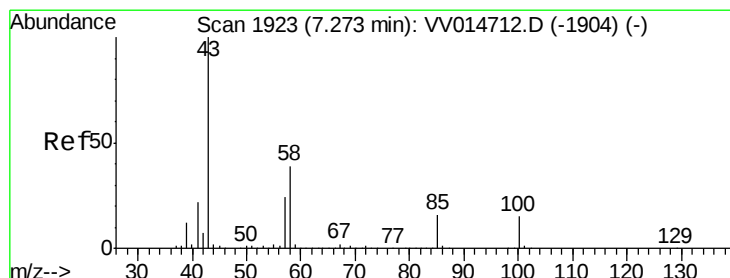
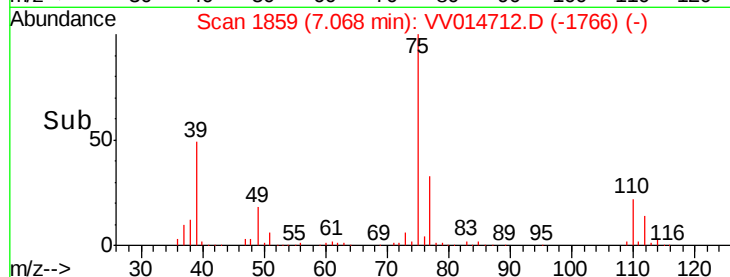
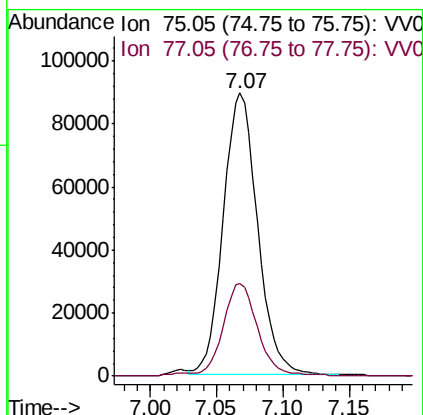
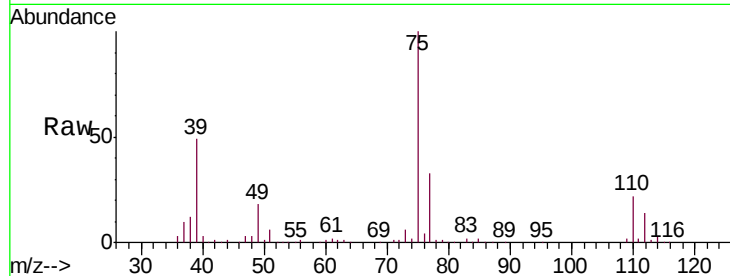
6.55



#39
 cis-1,3-Dichloropropene
 Concen: 5.112 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

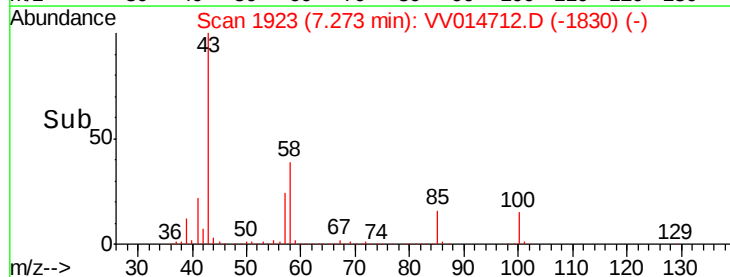
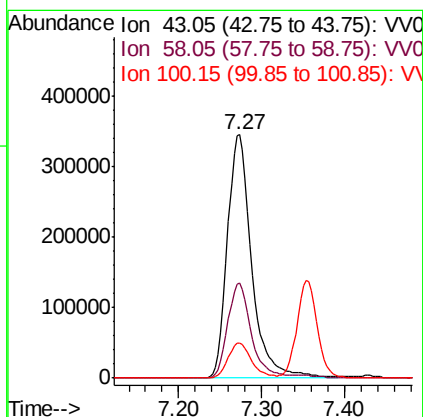
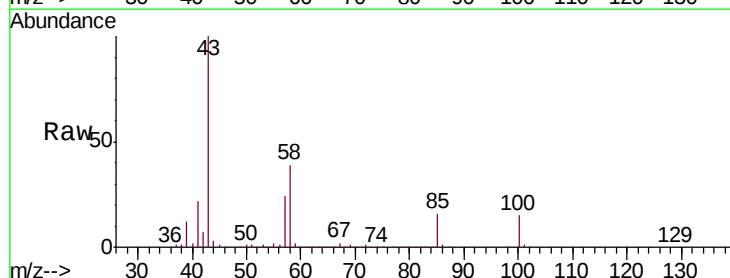
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

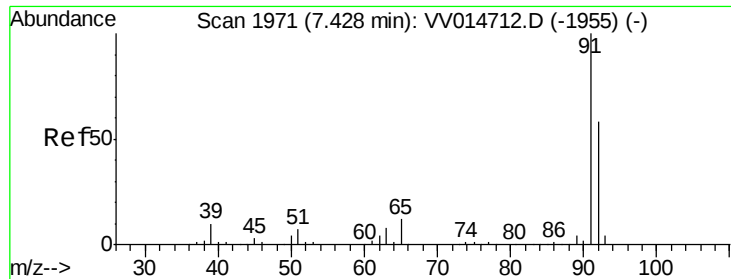
Tgt Ion: 75 Resp: 159990
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 59.667 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion: 43 Resp: 704401
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2
 100 14.0 11.2 16.8





#42

Toluene

Concen: 5.292 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

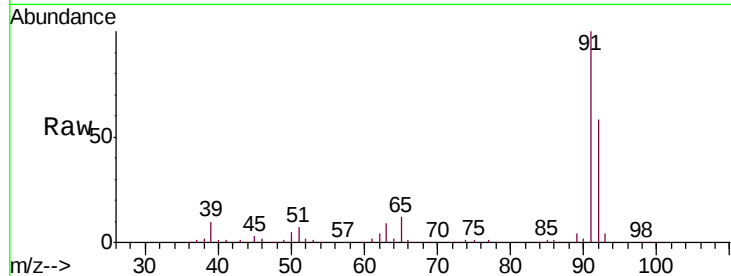
VSTD00534

Tgt Ion: 91 Resp: 476536

Ion Ratio Lower Upper

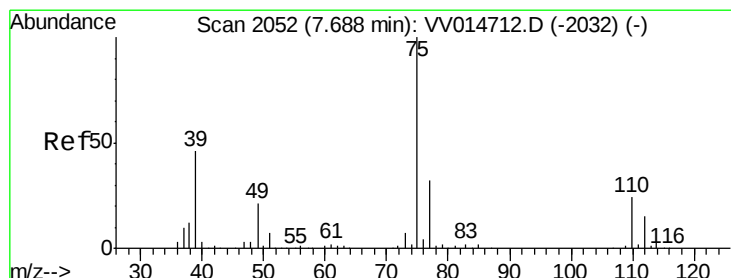
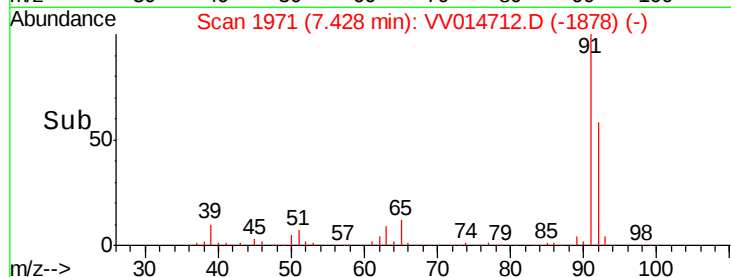
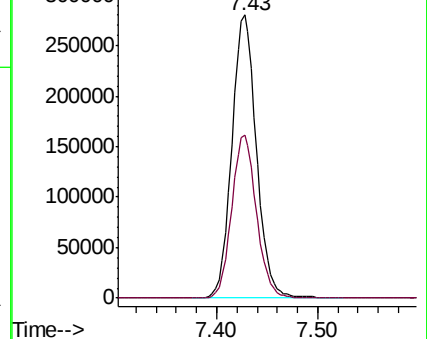
91 100

92 57.6 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.390 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014712.D

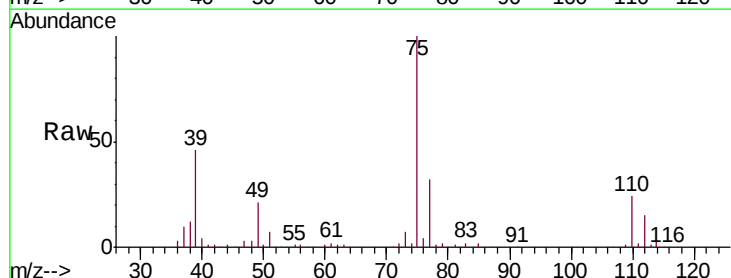
Acq: 28 Feb 2020 16:34

Tgt Ion: 75 Resp: 128979

Ion Ratio Lower Upper

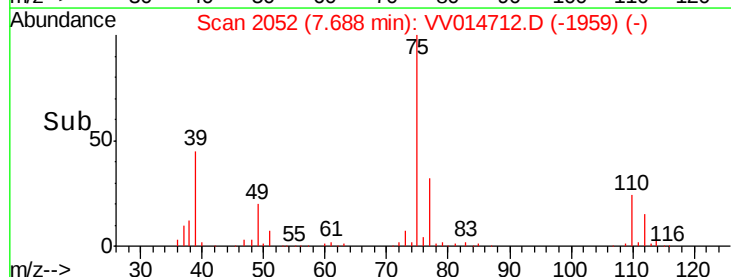
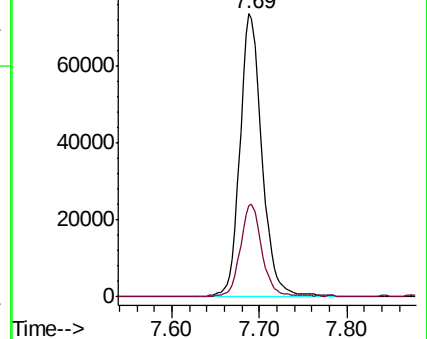
75 100

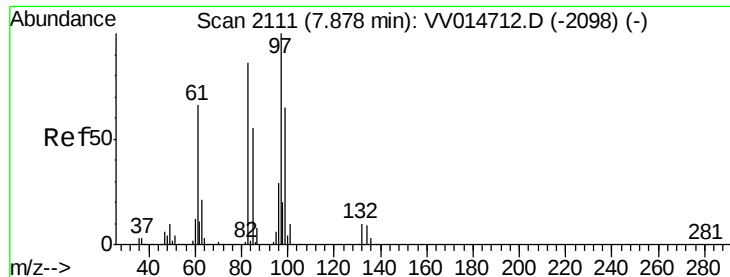
77 32.2 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

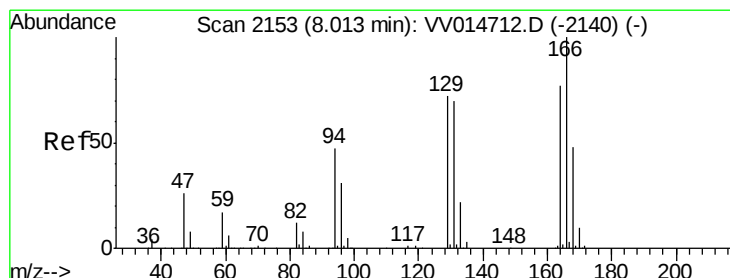
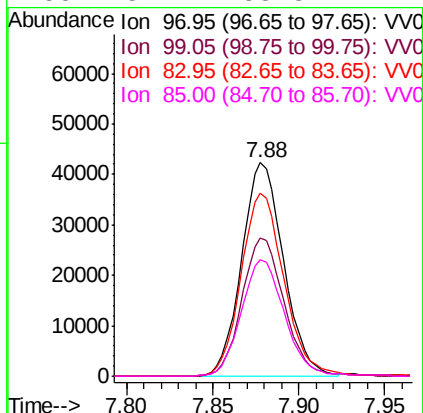
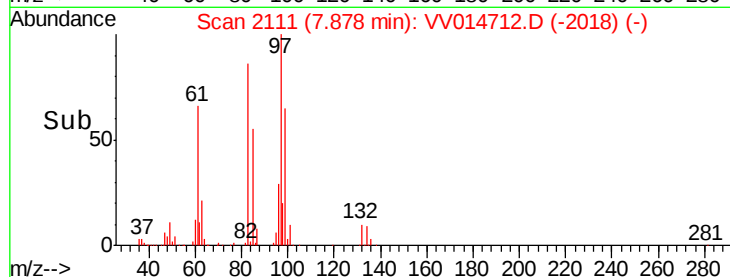
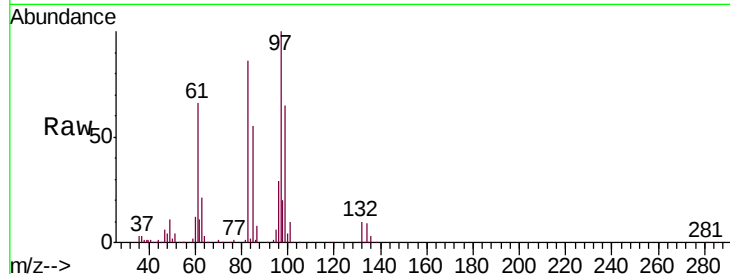




#45
 1,1,2-Trichloroethane
 Concen: 5.262 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

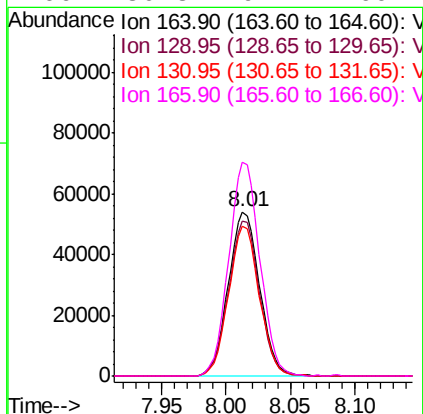
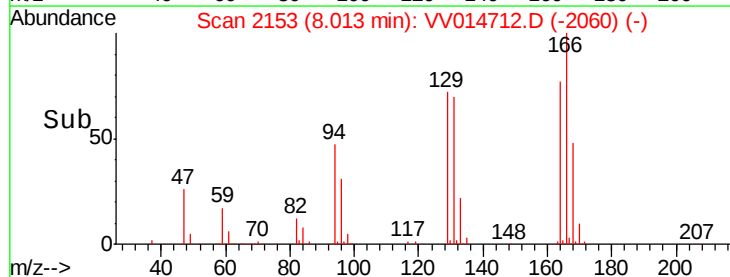
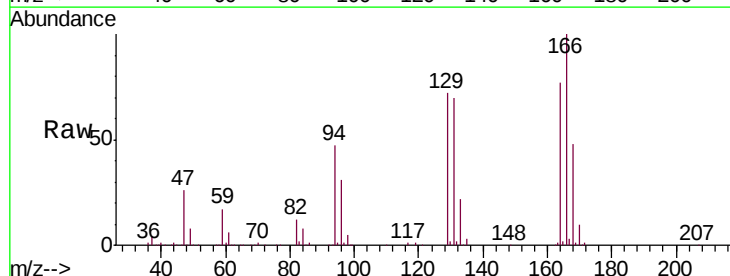
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

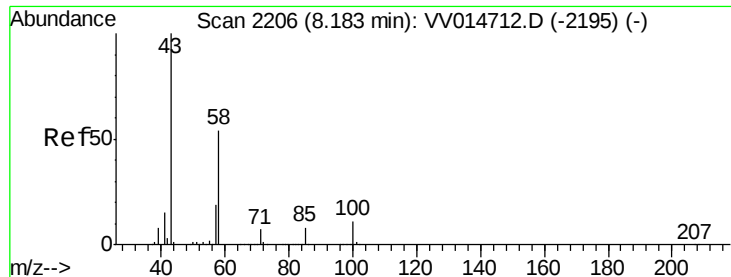
Tgt Ion:	97	Resp:	71465
Ion	Ratio	Lower	Upper
97	100		
99	64.9	45.4	84.4
83	85.5	59.8	111.1
85	54.7	38.3	71.1



#47
 Tetrachloroethene
 Concen: 5.576 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion:	164	Resp:	90802
Ion	Ratio	Lower	Upper
164	100		
129	94.2	65.9	122.5
131	91.5	64.0	119.0
166	130.3	91.2	169.4

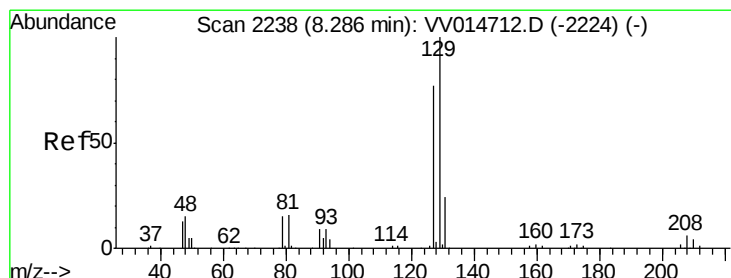
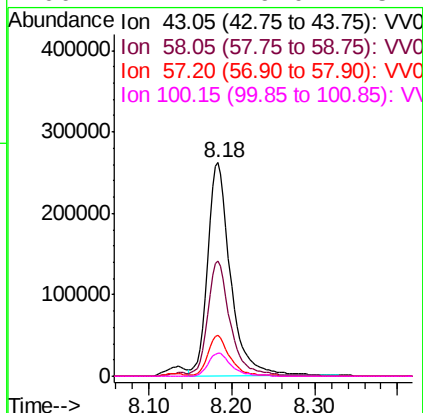
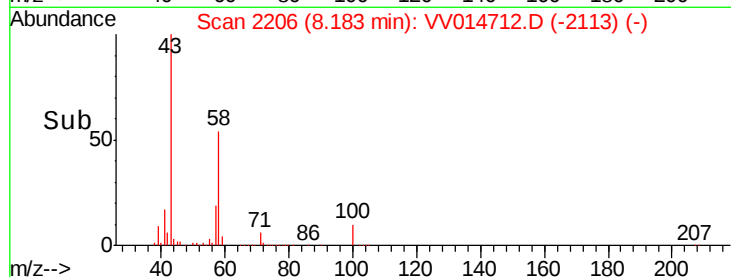
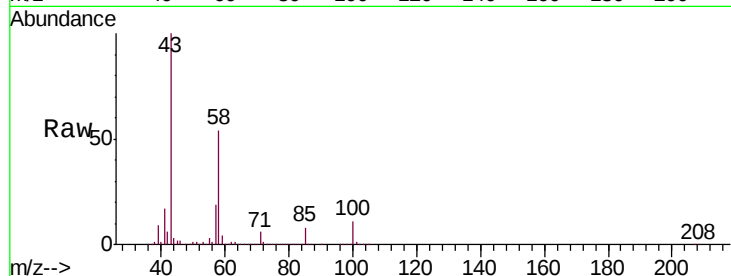




#48
2-Hexanone
Concen: 61.461 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

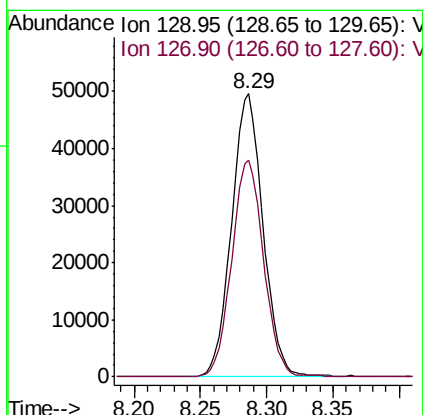
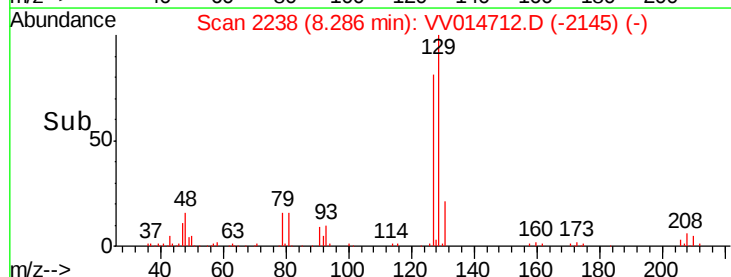
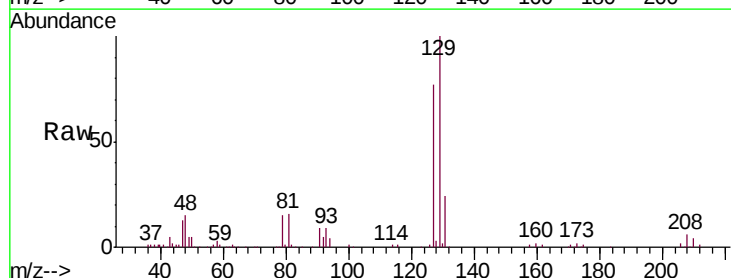
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

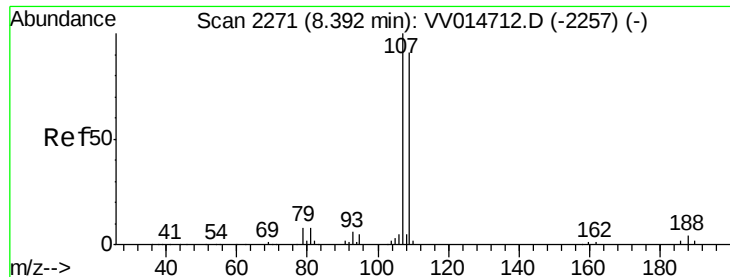
Tgt Ion: 43 Resp: 508064
Ion Ratio Lower Upper
43 100
58 53.9 43.1 64.7
57 18.2 14.6 21.8
100 11.2 9.0 13.4



#49
Dibromochloromethane
Concen: 5.085 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 129 Resp: 81828
Ion Ratio Lower Upper
129 100
127 76.8 53.8 99.8

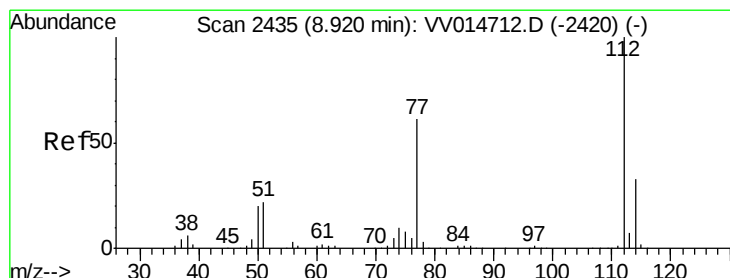
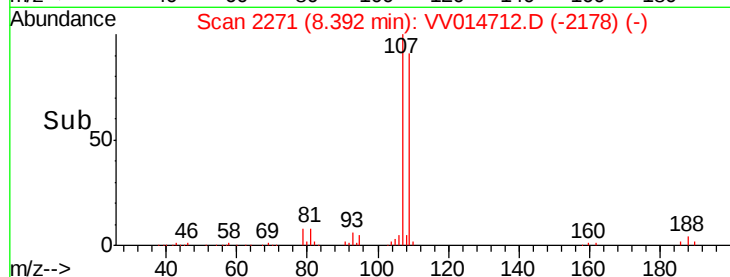
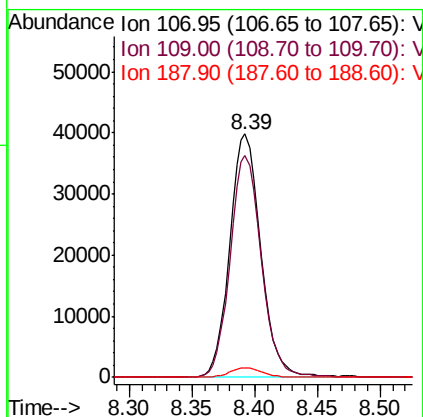
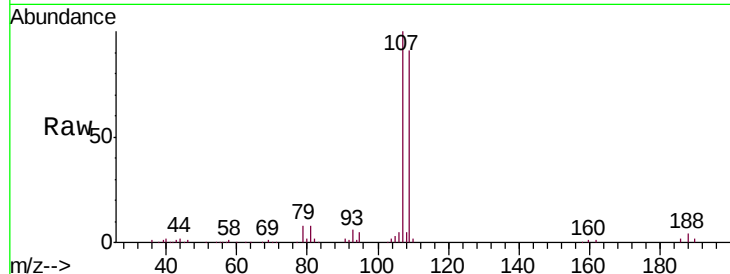




#50
1,2-Dibromoethane
Concen: 5.435 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

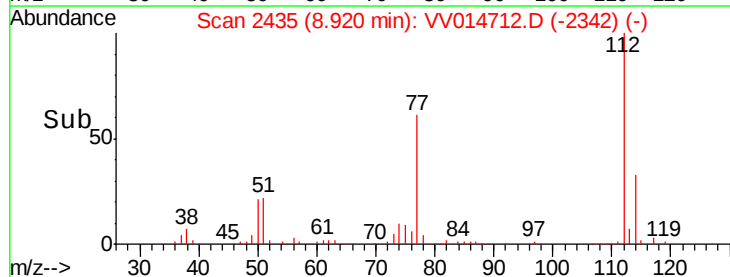
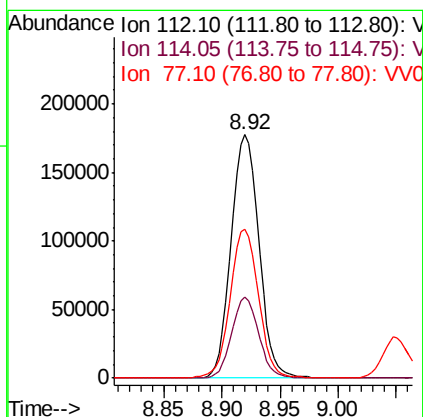
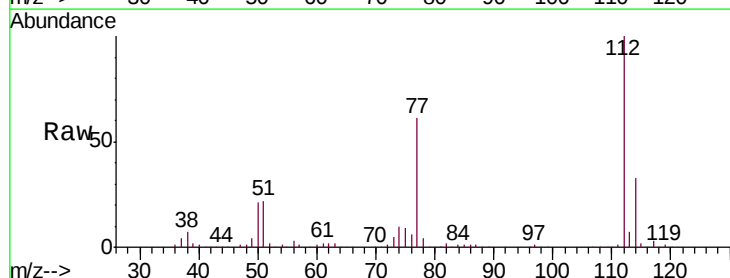
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

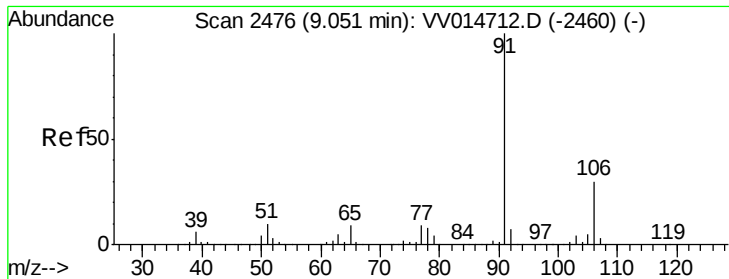
Tgt Ion:107 Resp: 68601
Ion Ratio Lower Upper
107 100
109 90.9 63.6 118.2
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 5.265 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

Tgt Ion:112 Resp: 294331
Ion Ratio Lower Upper
112 100
114 33.2 23.2 43.2
77 61.3 49.0 73.6

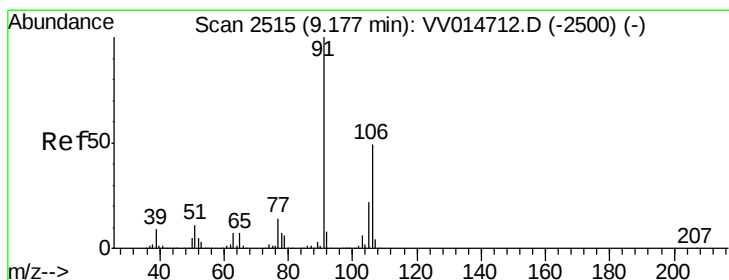
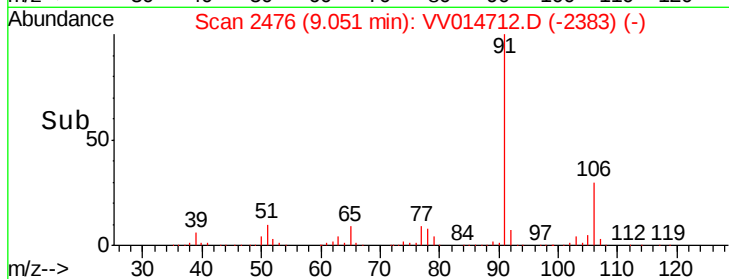
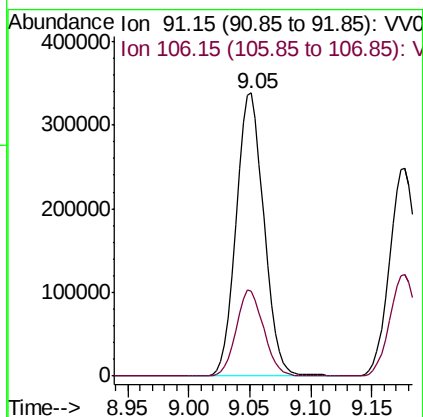
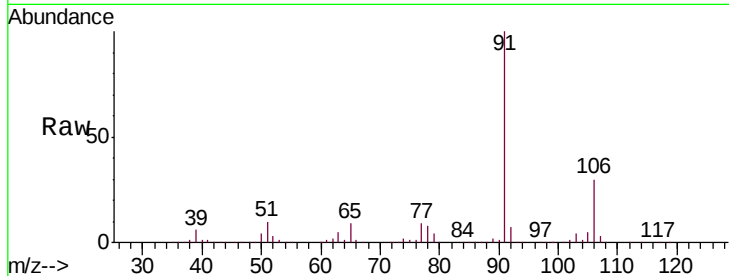




#52
Ethylbenzene
Concen: 5.271 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

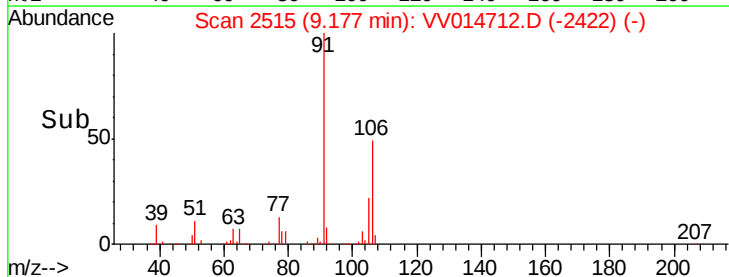
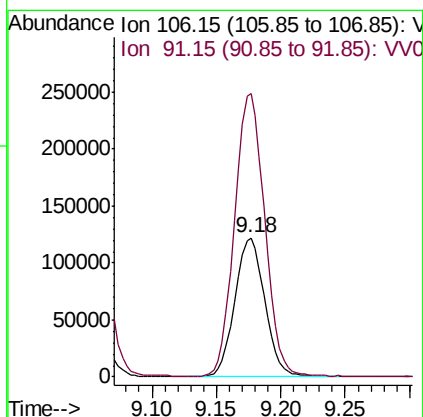
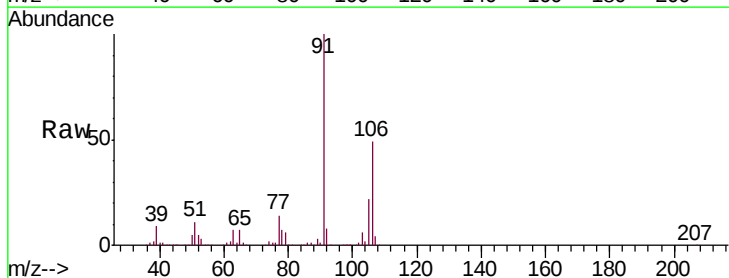
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

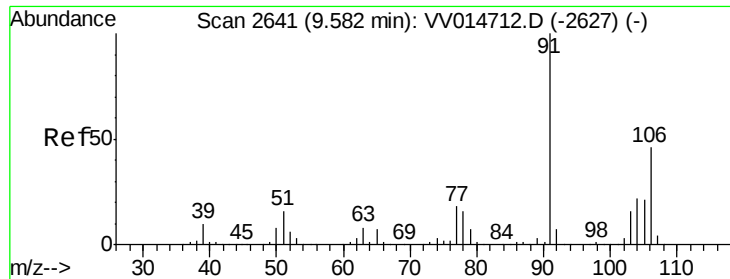
Tgt Ion: 91 Resp: 532882
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.1



#53
m,p-xylene
Concen: 5.261 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014712.D
Acq: 28 Feb 2020 16:34

Tgt Ion: 106 Resp: 197080
Ion Ratio Lower Upper
106 100
91 203.5 142.5 264.6





#54

o-xylene

Concen: 5.238 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

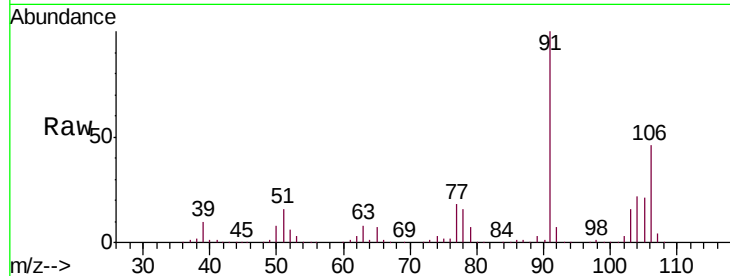
VSTD00534

Tgt Ion:106 Resp: 191739

Ion Ratio Lower Upper

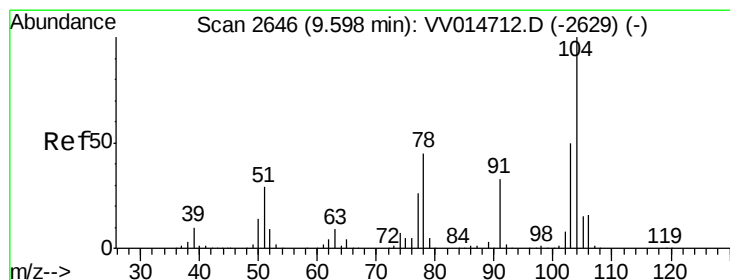
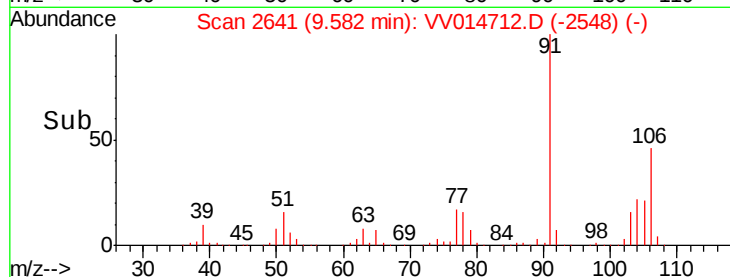
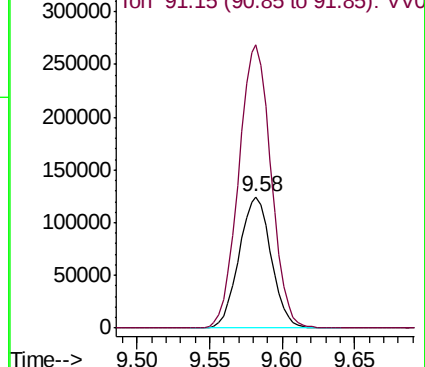
106 100

91 215.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.402 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014712.D

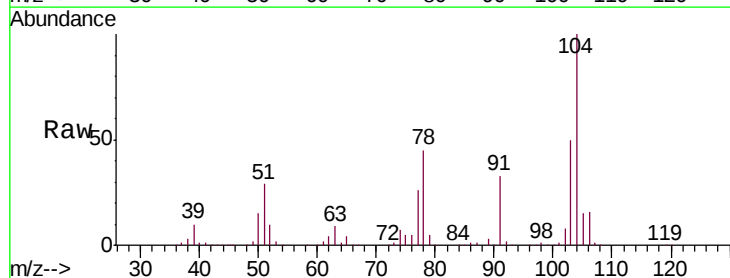
Acq: 28 Feb 2020 16:34

Tgt Ion:104 Resp: 327287

Ion Ratio Lower Upper

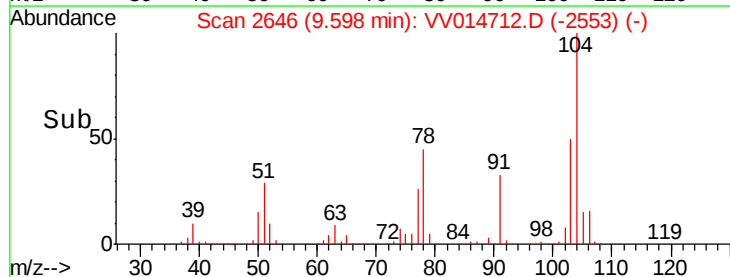
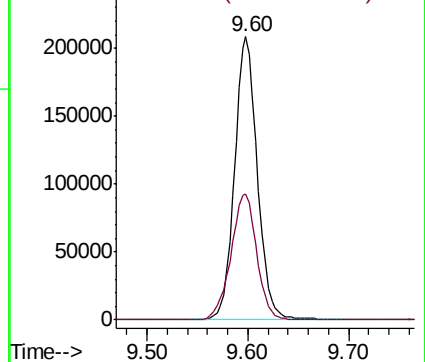
104 100

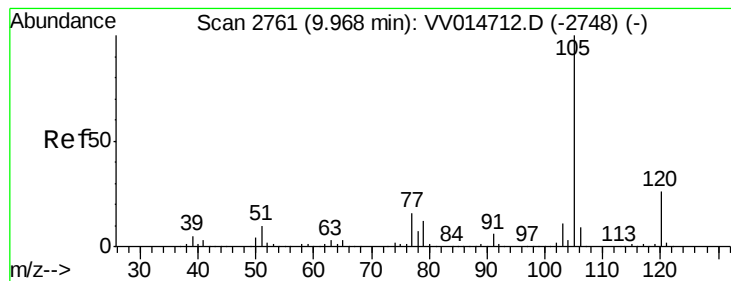
78 44.7 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.377 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

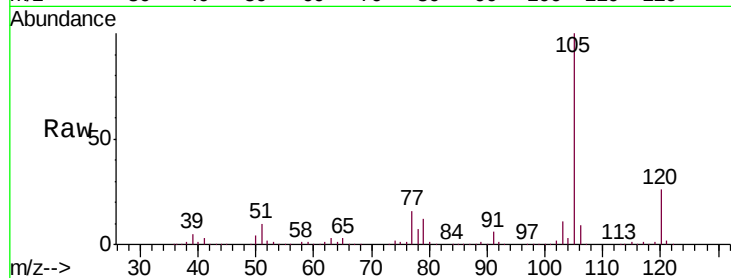
Tgt Ion: 105 Resp: 519777

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

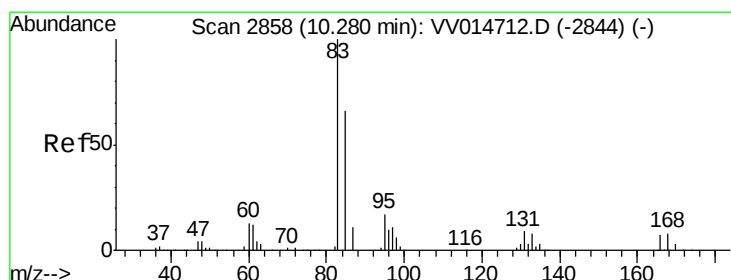
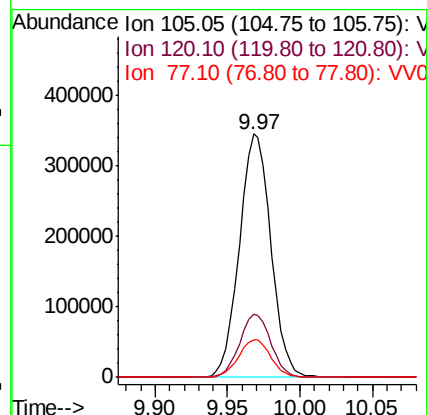
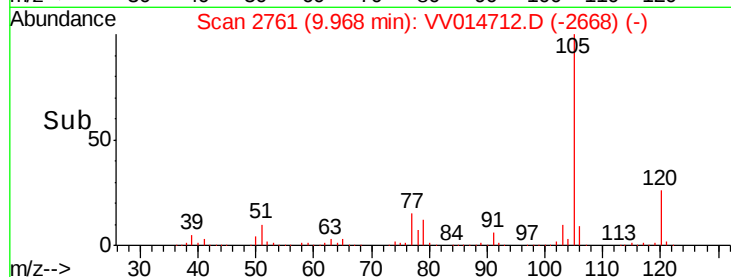
77 15.7 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.627 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

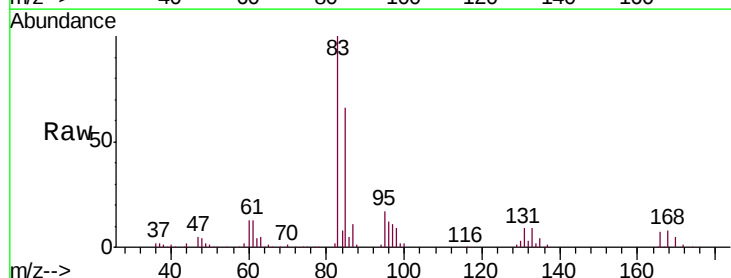
Tgt Ion: 83 Resp: 90142

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

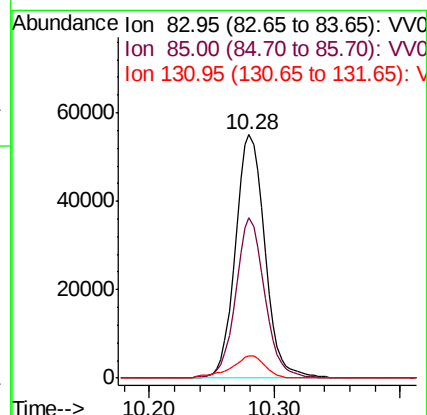
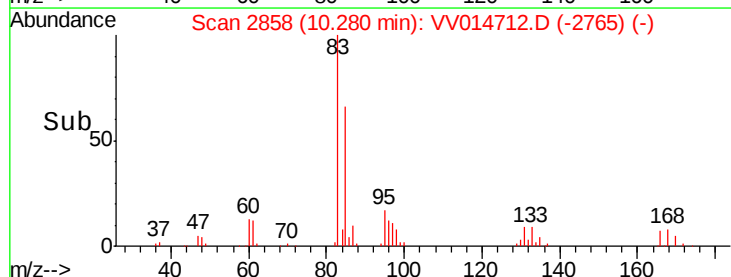
131 9.3 7.4 11.2

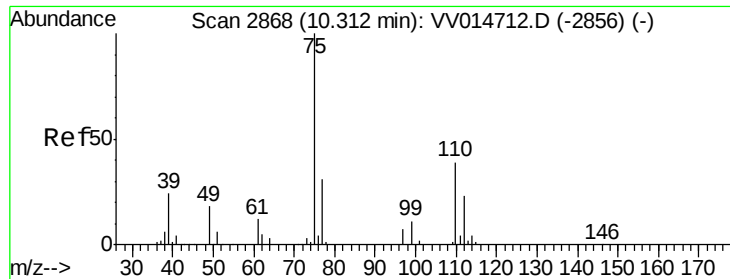


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

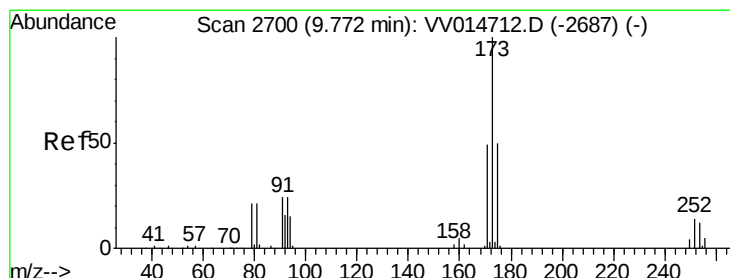
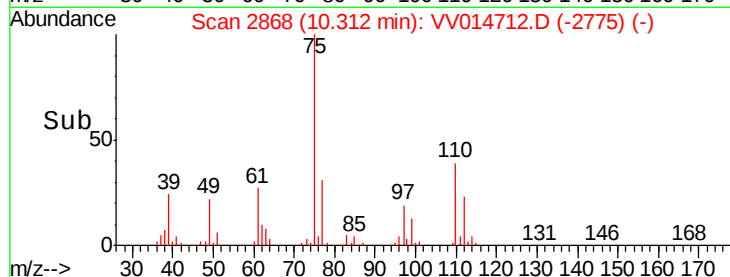
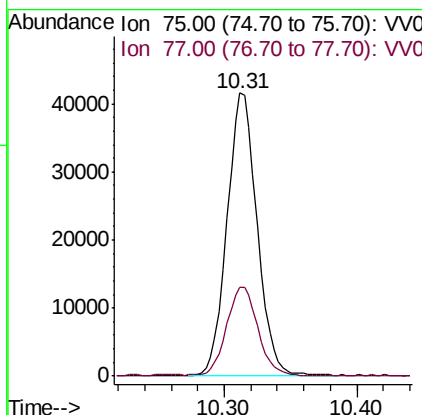
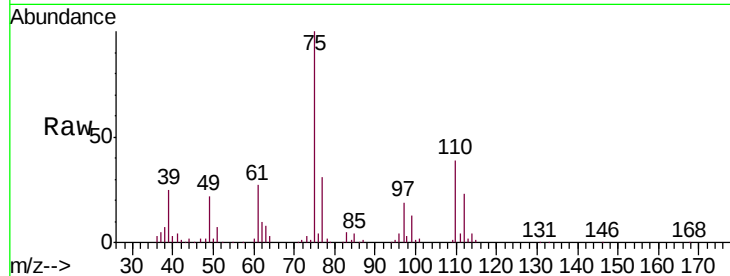




#59
 1,2,3-Trichloropropane
 Concen: 5.587 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

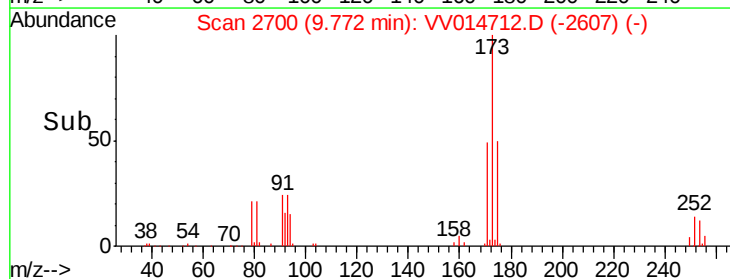
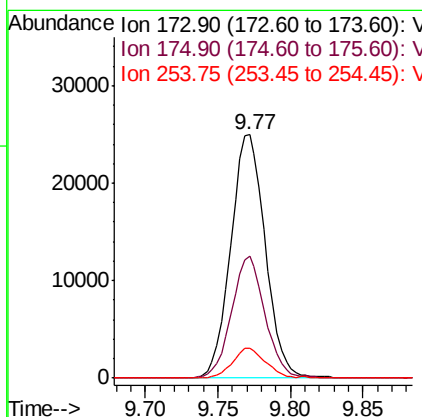
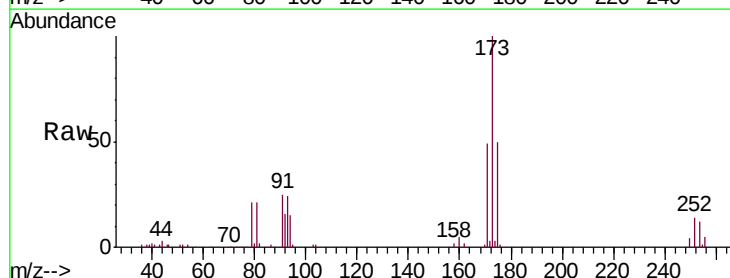
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

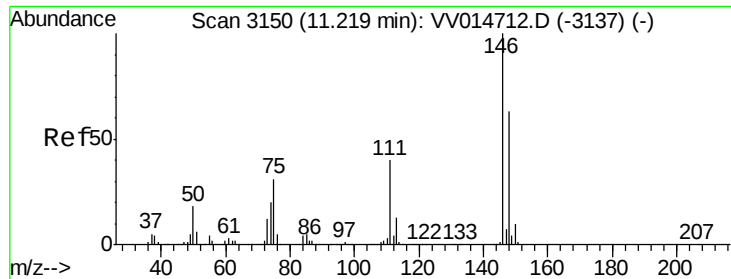
Tgt Ion: 75 Resp: 65750
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.3 39.5



#61
 Bromoform
 Concen: 4.981 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion: 173 Resp: 41237
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.6 57.8
 254 11.7 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.298 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

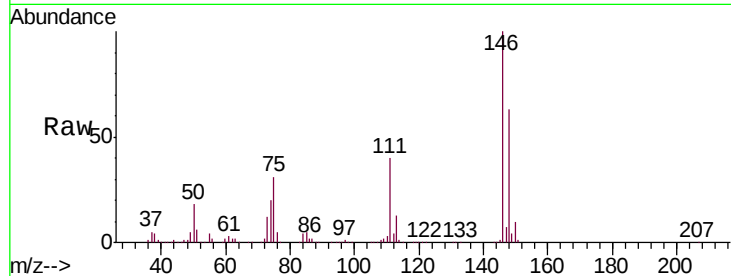
Tgt Ion:146 Resp: 239692

Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

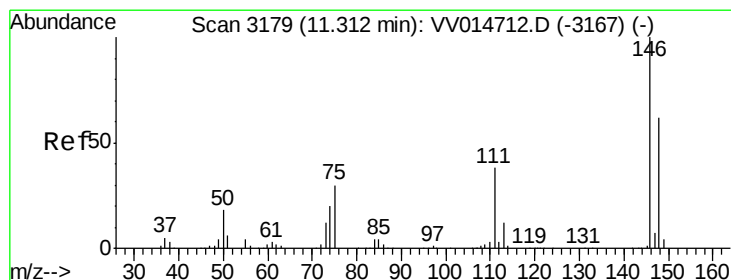
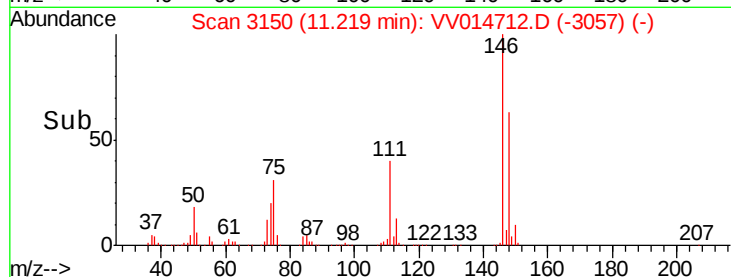
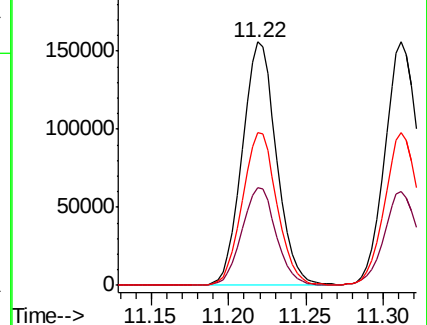
148 62.7 43.9 81.5



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



#63

1,4-Dichlorobenzene

Concen: 5.282 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

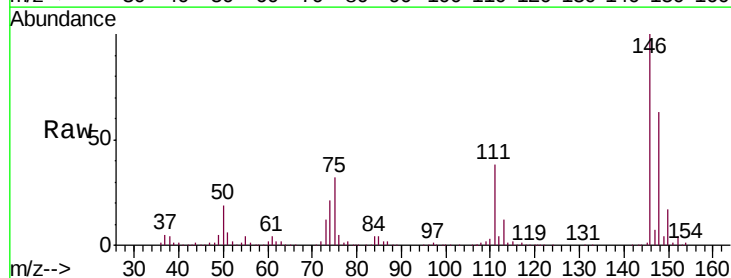
Tgt Ion:146 Resp: 238098

Ion Ratio Lower Upper

146 100

111 38.4 26.9 49.9

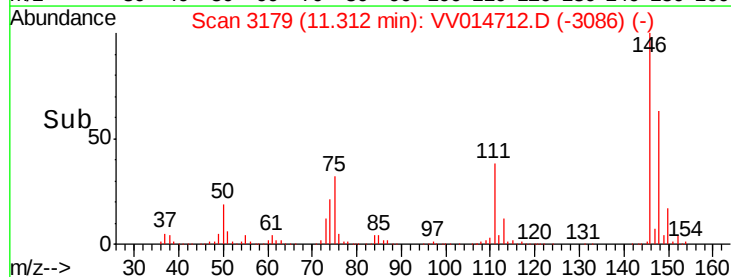
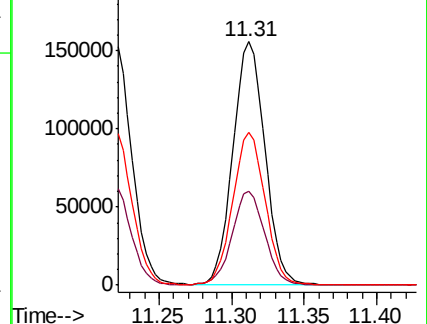
148 62.6 43.8 81.4

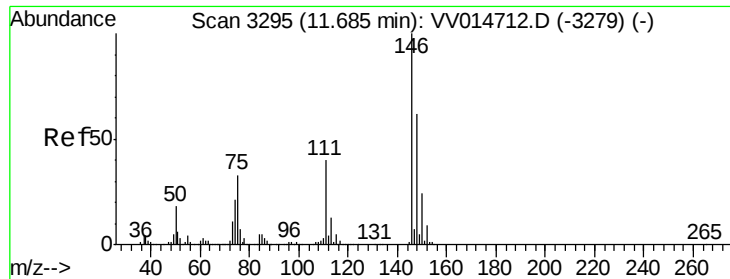


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

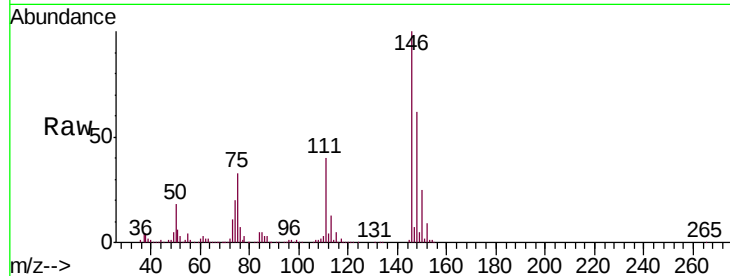




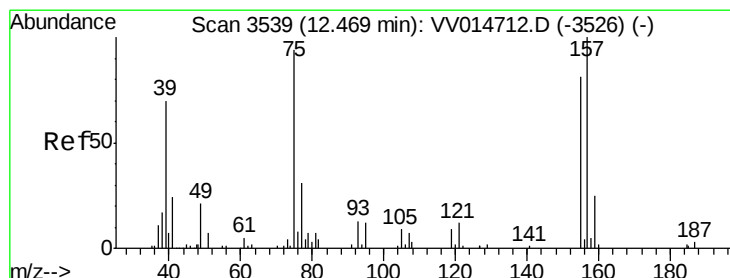
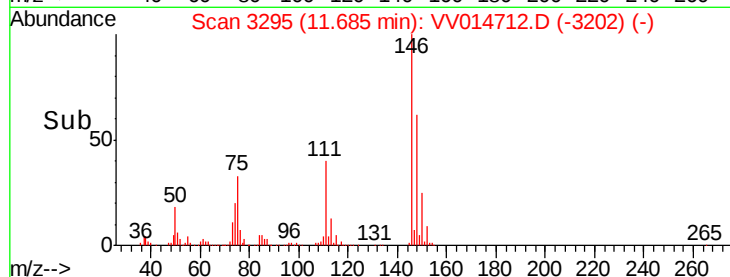
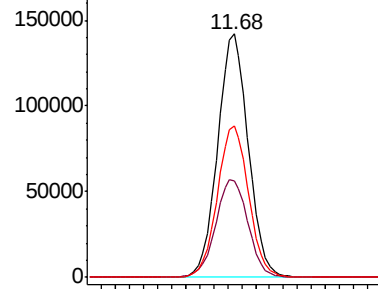
#65
 1,2-Dichlorobenzene
 Concen: 5.308 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion: 146 Resp: 216721
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.8 47.8
 148 62.2 49.8 74.6

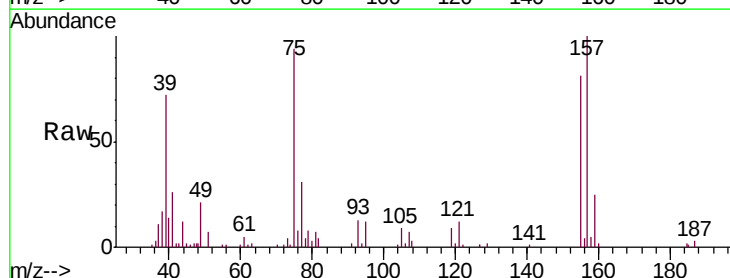


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

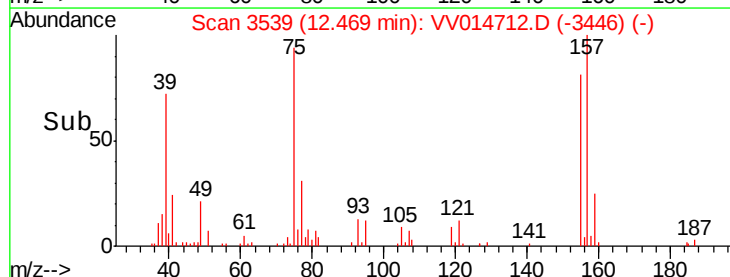
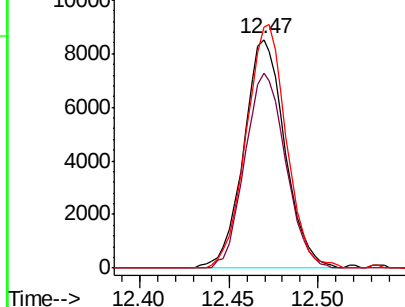


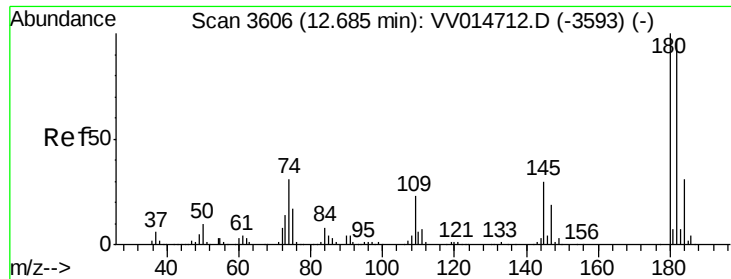
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.367 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion: 75 Resp: 13688
 Ion Ratio Lower Upper
 75 100
 155 85.4 68.3 102.5
 157 105.9 84.7 127.1



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

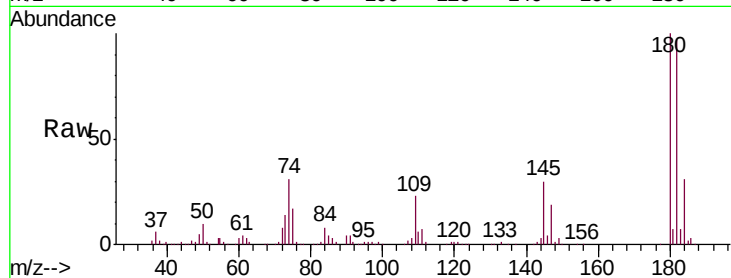




#67
 1,3,5-Trichlorobenzene
 Concen: 5.681 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	180	Resp:	194404
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	30.2	24.2	36.2
145	28.6	22.9	34.3



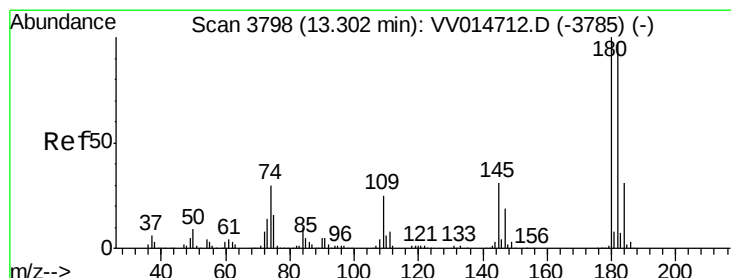
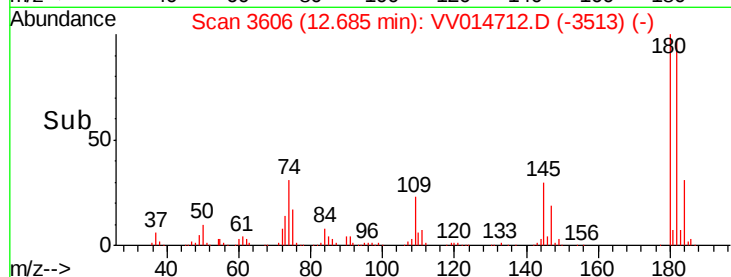
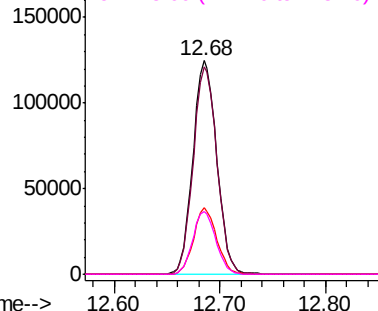
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

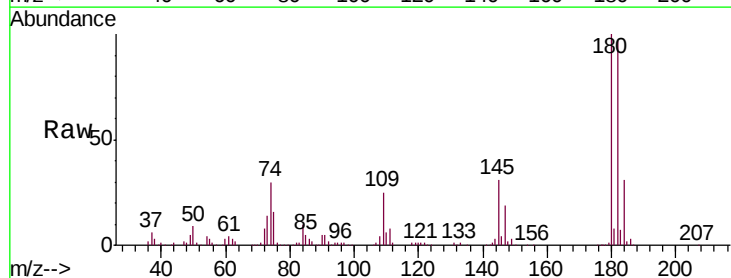
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.719 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014712.D
 Acq: 28 Feb 2020 16:34

Tgt Ion:	180	Resp:	164018
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	30.2	24.2	36.2

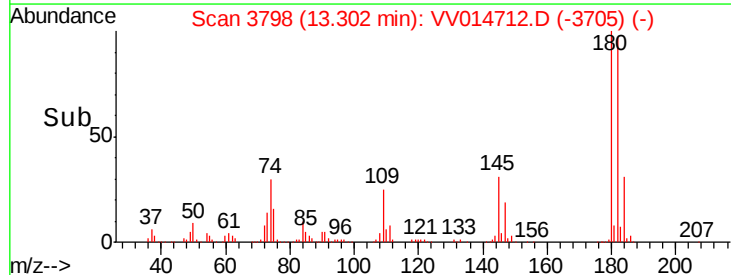
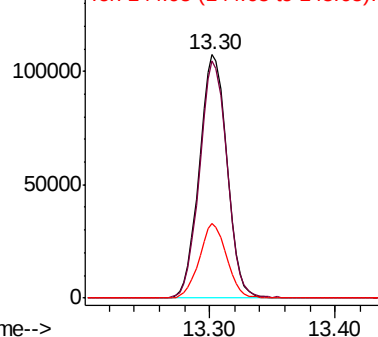


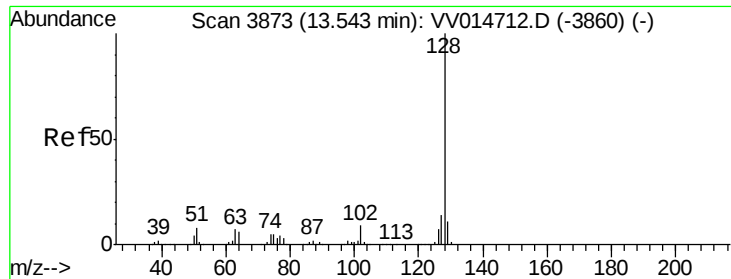
Abundance

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: 5.504 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

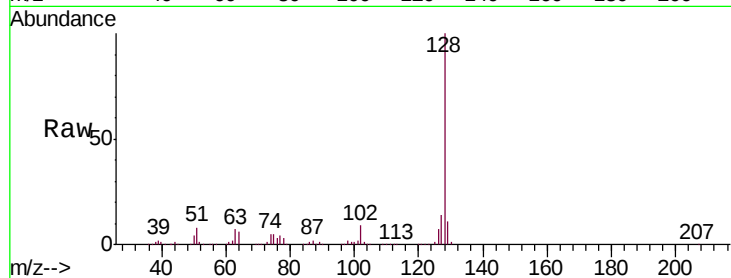
Tgt Ion:128 Resp: 274246

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

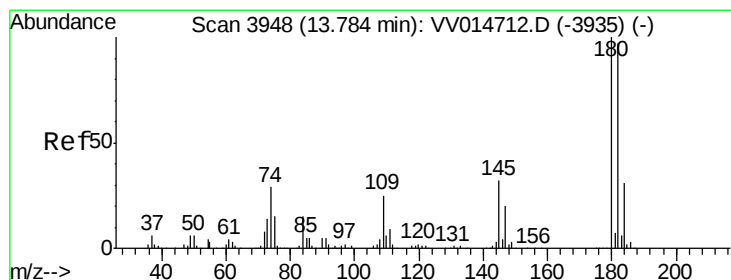
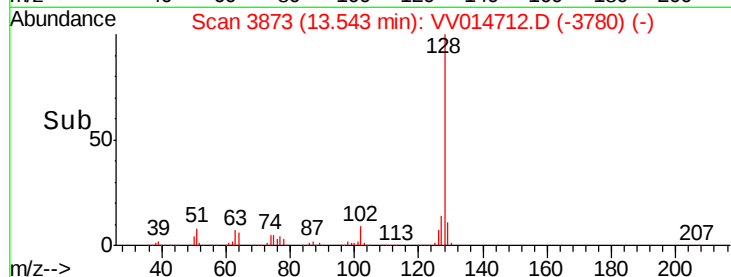
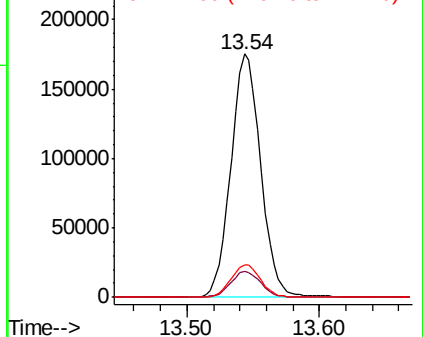
127 13.4 10.7 16.1



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: 5.905 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VV014712.D

Acq: 28 Feb 2020 16:34

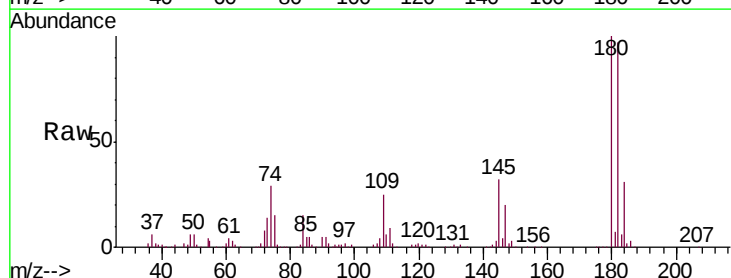
Tgt Ion:180 Resp: 147814

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 31.6 25.3 37.9



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

