

Data File : VV012134.D
Acq On : 08 Aug 2019 19:28
Operator : SY/MD
Sample : VSTD01031
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Quant Time: Aug 09 06:10:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 09 06:06:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111644	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	102297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58288	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50388	9.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	36369	9.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	100497	9.43	ug/L	0.00
20) 2-Butanone-d5	3.94	46	141107	99.53	ug/L	0.00
24) Chloroform-d	4.40	84	148354	10.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	78629	10.03	ug/L	0.00
32) Benzene-d6	5.10	84	272428	10.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	70469	10.01	ug/L	0.00
41) Toluene-d8	7.36	98	272652	10.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	37655	11.64	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	127173	115.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	60395	11.15	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	116343	10.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	110178	9.196 ug/L	98
3) Chloromethane	1.25	50	48348	8.558 ug/L	95
5) Vinyl chloride	1.32	62	56631	9.052 ug/L	100
6) Bromomethane	1.53	94	33877	8.910 ug/L	98
8) Chloroethane	1.60	64	29150	8.528 ug/L	98
9) Trichlorofluoromethane	1.77	101	109986	9.118 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	50366	9.709 ug/L	99
12) 1,1-Dichloroethene	2.14	96	47433	9.942 ug/L	98
13) Acetone	2.20	43	65947	91.876 ug/L	97
14) Carbon disulfide	2.32	76	129993	9.891 ug/L	100
15) Methyl Acetate	2.46	43	15115	9.239 ug/L	95
16) Methylene chloride	2.53	84	44700	9.067 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	169441	10.610 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	68965	9.665 ug/L	96
19) 1,1-Dichloroethane	3.23	63	113472	9.146 ug/L	97
21) 2-Butanone	4.03	43	138123	97.404 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	77393	10.049 ug/L	98
23) Bromochloromethane	4.30	128	36206	10.413 ug/L	95
25) Chloroform	4.42	83	137466	8.519 ug/L	99
27) 1,2-Dichloroethane	5.18	62	92005	10.180 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	138402	10.494 ug/L	98
30) Cyclohexane	4.72	56	95013	9.622 ug/L	100
31) Carbon tetrachloride	4.87	117	131616	11.015 ug/L	99
33) Benzene	5.14	78	267871	10.082 ug/L	100
34) Trichloroethene	5.96	95	78869	10.223 ug/L	96
35) Methylcyclohexane	6.17	83	120465	10.300 ug/L	99
37) 1,2-Dichloropropane	6.22	63	57244	9.356 ug/L	98
38) Bromodichloromethane	6.55	83	98385	10.682 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	106589	11.040 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	342137	102.204 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	312182	10.658	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	89323	11.304	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	50117	10.776	ug/L	99
47) Tetrachloroethene	8.02	164	76116	10.637	ug/L	99
48) 2-Hexanone	8.18	43	242331	103.448	ug/L	99
49) Dibromochloromethane	8.29	129	75927	12.177	ug/L	99
50) 1,2-Dibromoethane	8.40	107	50192	11.045	ug/L #	96
51) Chlorobenzene	8.92	112	209919	10.513	ug/L	99
52) Ethylbenzene	9.05	91	358135	10.628	ug/L	96
53) m,p-xylene	9.18	106	138474	10.671	ug/L	99
54) o-xylene	9.59	106	133224	10.681	ug/L	98
55) Styrene	9.60	104	229127	10.864	ug/L	100
56) Isopropylbenzene	9.97	105	372725	10.793	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	55816	10.805	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	42182	10.848	ug/L	98
61) Bromoform	9.77	173	46990	12.778	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	187414	10.508	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	183209	10.089	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	173878	10.720	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	11751	13.108	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	159858	10.838	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	138292	11.457	ug/L	99
69) Naphthalene	13.55	128	225498	13.363	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	129236	11.965	ug/L	98

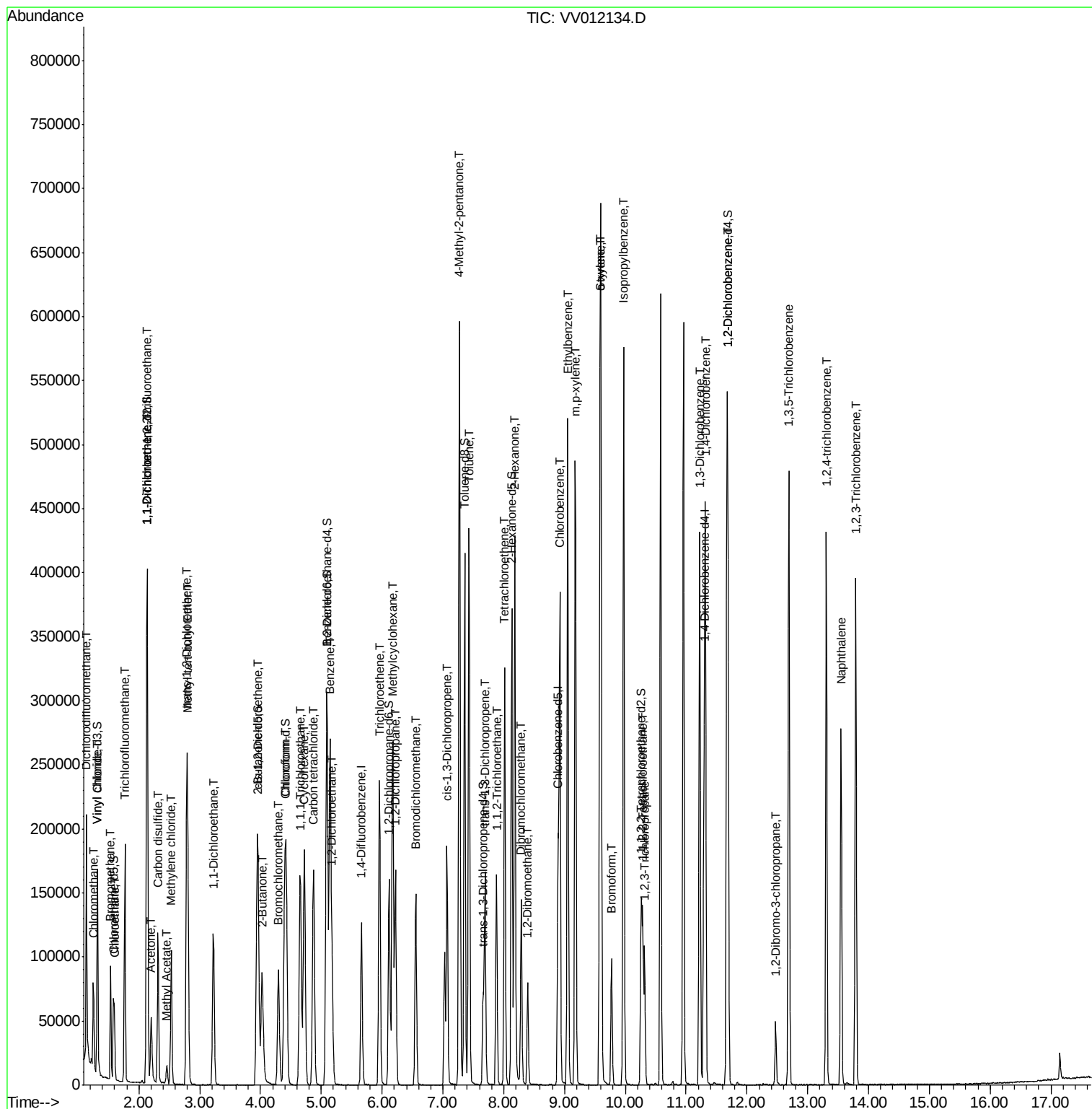
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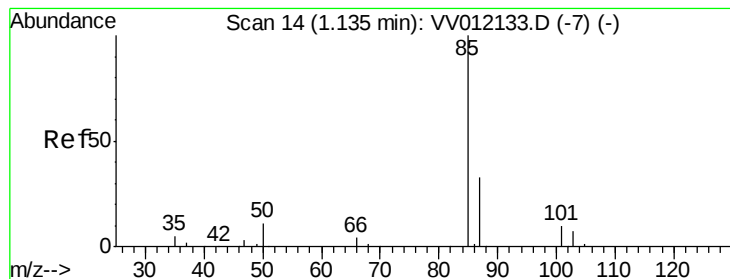
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#2

Dichlorodifluoromethane

Concen: 9.196 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012134.D

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Instrument :

MSVOA_V

ClientSampleId :

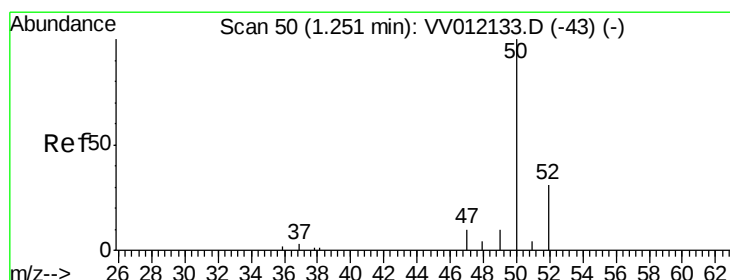
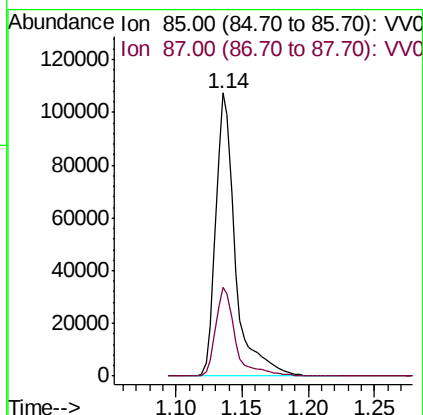
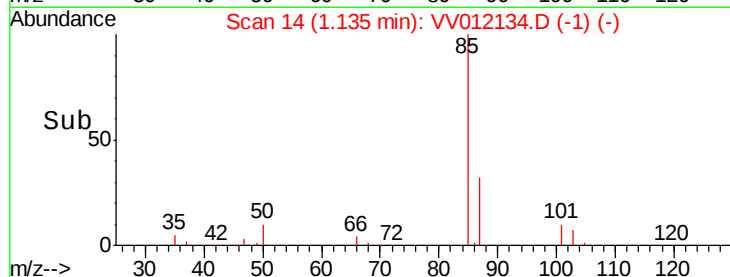
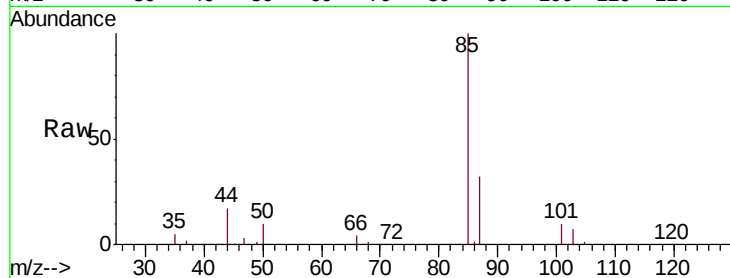
VSTD01031

Tgt Ion: 85 Resp: 110178

Ion Ratio Lower Upper

85 100

87 31.7 26.2 39.2



#3

Chloromethane

Concen: 8.558 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012134.D

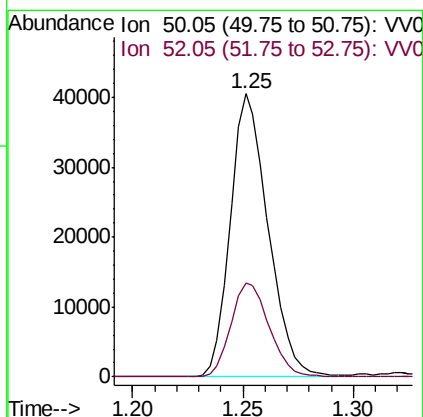
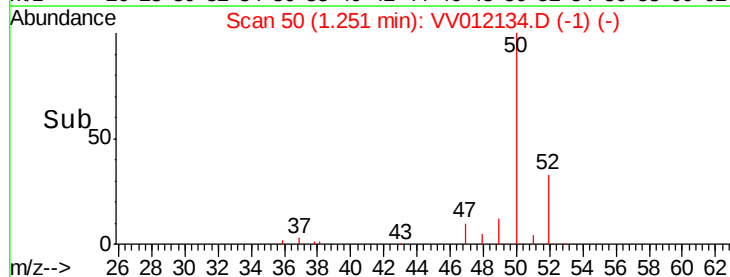
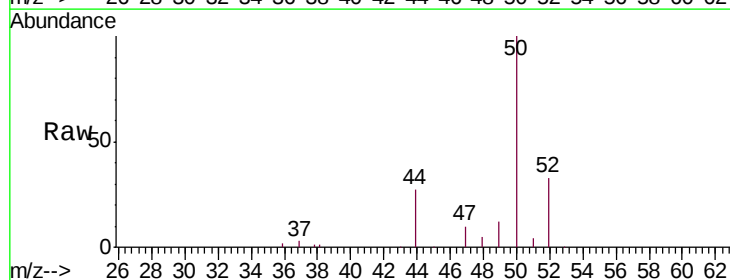
Acq: 08 Aug 2019 19:28

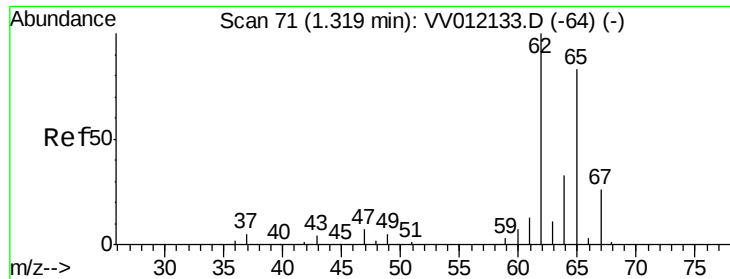
Tgt Ion: 50 Resp: 48348

Ion Ratio Lower Upper

50 100

52 33.4 21.6 40.0





#5

Vinyl chloride

Concen: 9.052 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

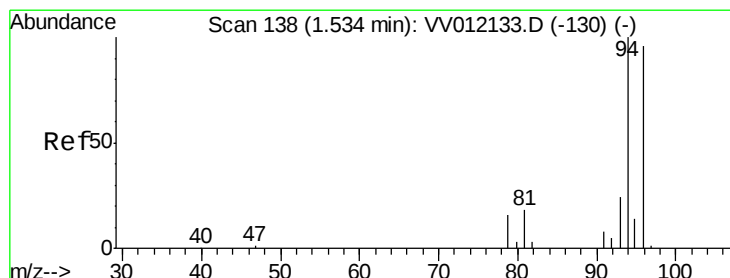
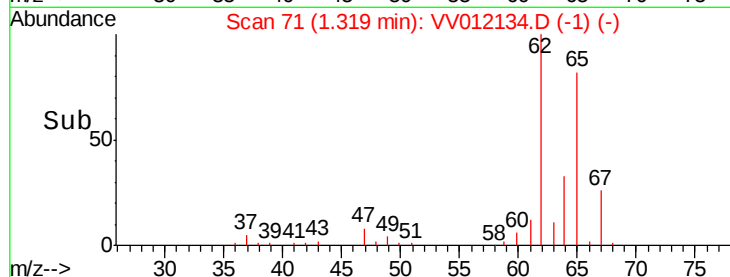
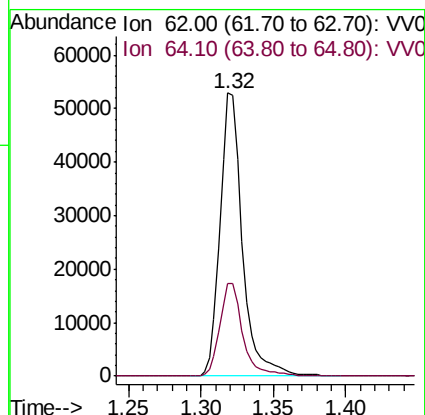
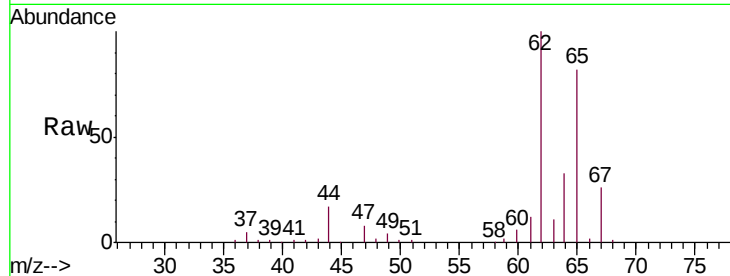
VSTD01031

Tgt Ion: 62 Resp: 56631

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 8.910 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012134.D

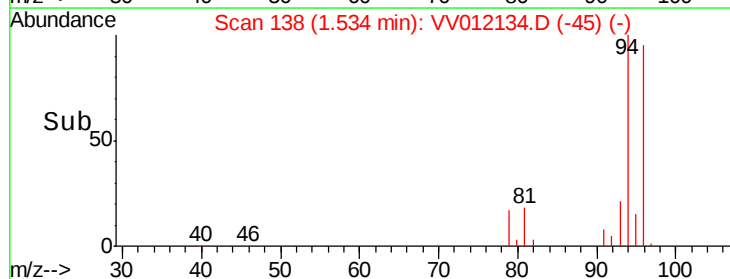
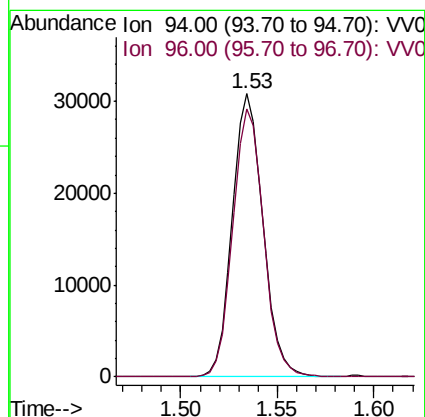
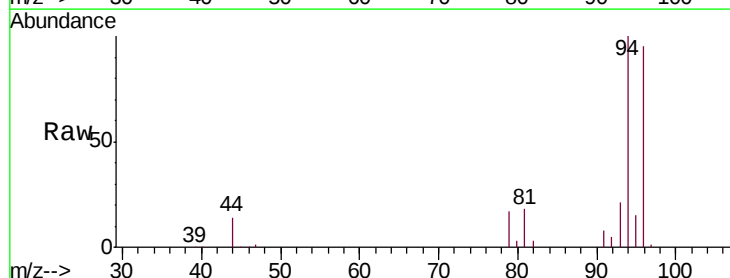
Acq: 08 Aug 2019 19:28

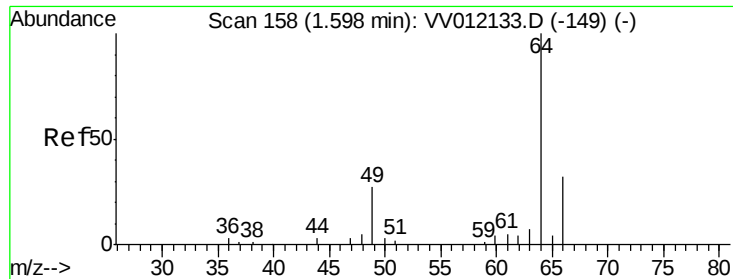
Tgt Ion: 94 Resp: 33877

Ion Ratio Lower Upper

94 100

96 94.6 67.4 125.2





#8

Chloroethane

Concen: 8.528 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

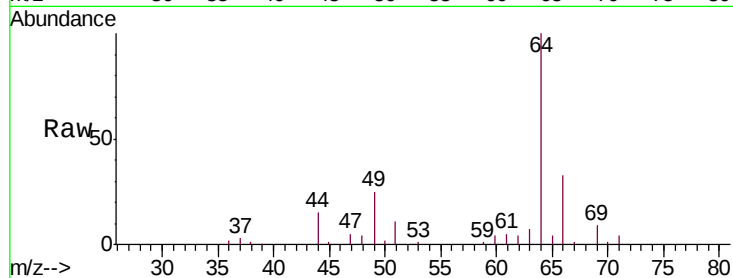
VSTD01031

Tgt Ion: 64 Resp: 29150

Ion Ratio Lower Upper

64 100

66 32.9 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV012133.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012133.D (-149) (-)

1.60

25000

20000

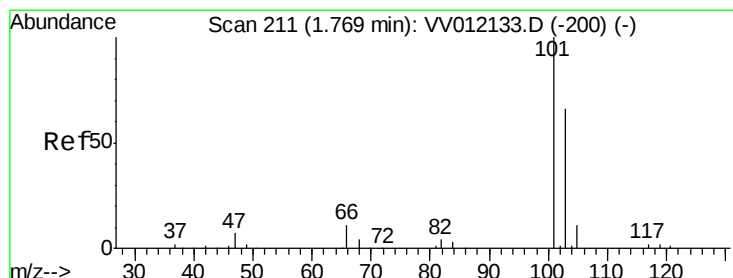
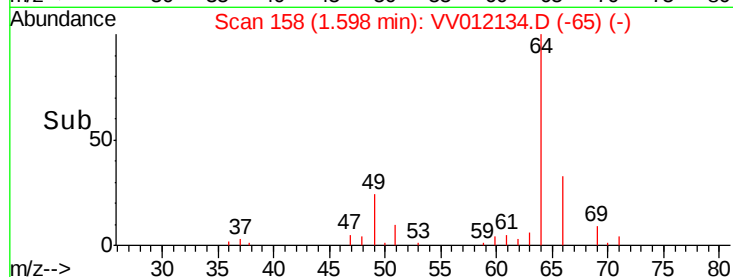
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.118 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012134.D

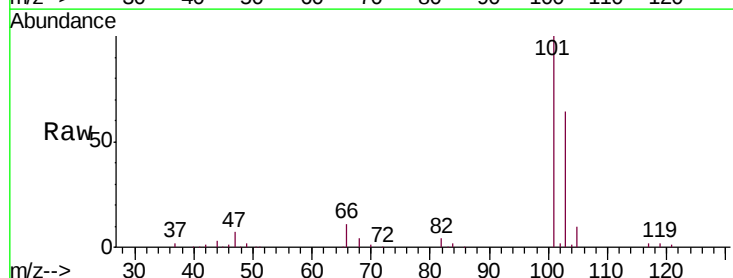
Acq: 08 Aug 2019 19:28

Tgt Ion: 101 Resp: 109986

Ion Ratio Lower Upper

101 100

103 64.7 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV012133.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012133.D (-200) (-)

1.77

100000

80000

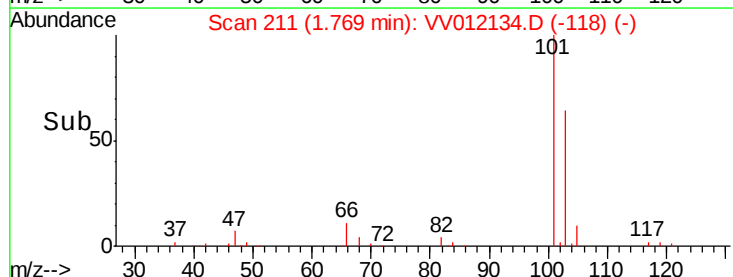
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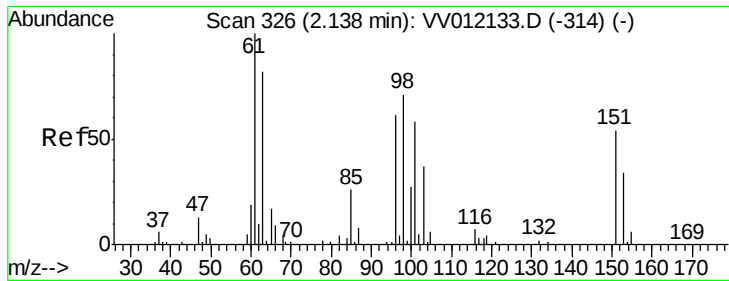
40000

20000

0

Time-->





#10

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

Concen: 9.709 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

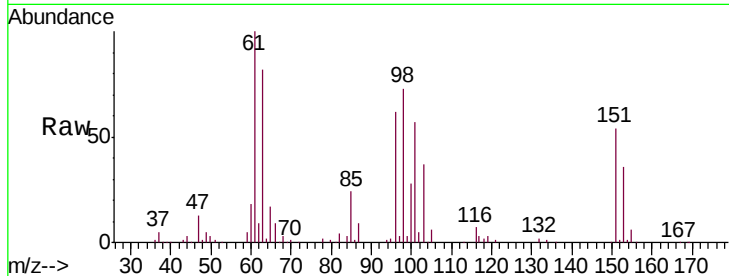
Tgt Ion:101 Resp: 50366

Ion Ratio Lower Upper

101 100

85 43.1 34.3 51.5

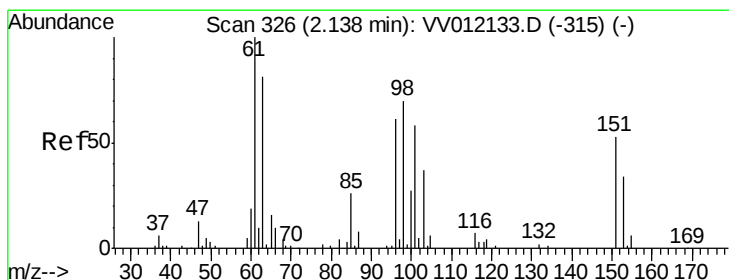
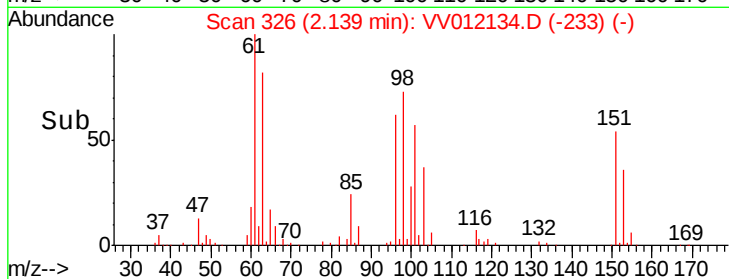
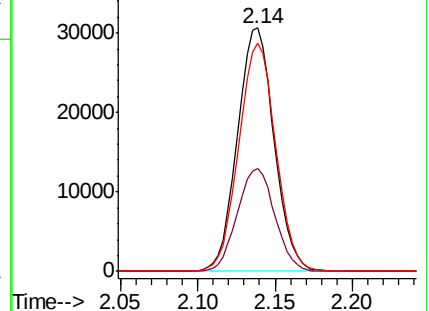
151 94.7 75.0 112.6



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: 9.942 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

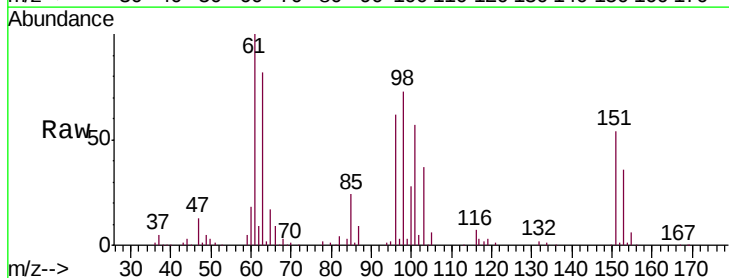
Tgt Ion: 96 Resp: 47433

Ion Ratio Lower Upper

96 100

61 162.0 114.7 213.1

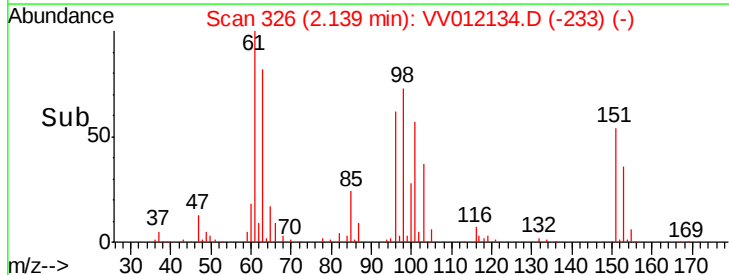
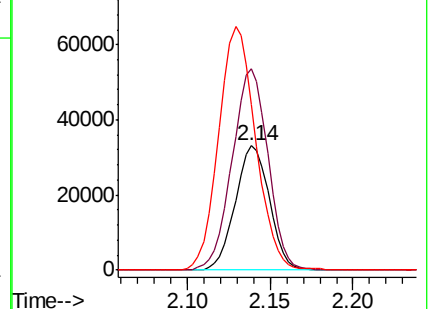
63 132.7 94.9 176.3

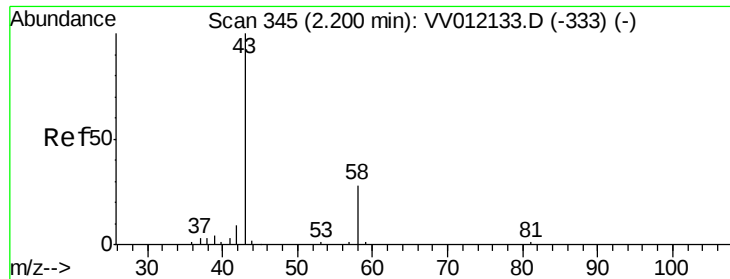


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.876 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV012134.D

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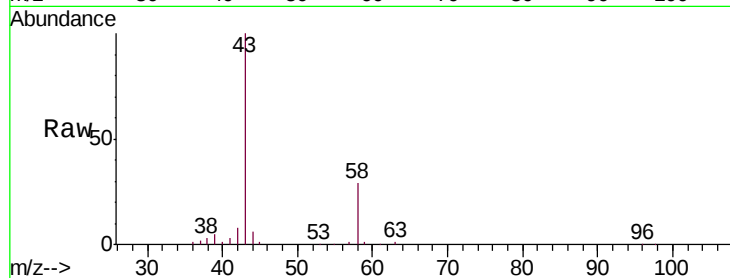
VSTD01031

Tgt Ion: 43 Resp: 65947

Ion Ratio Lower Upper

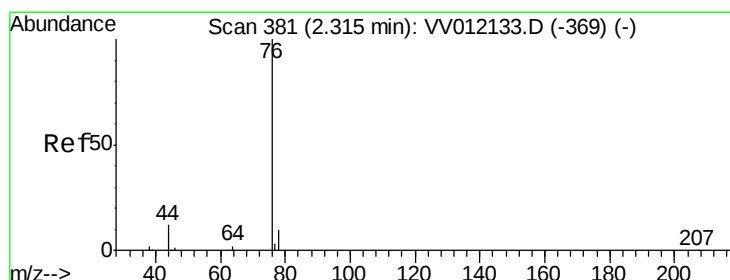
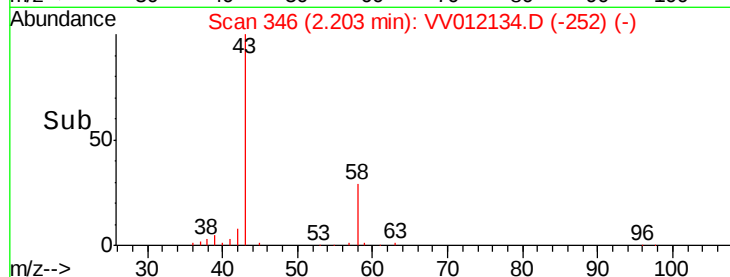
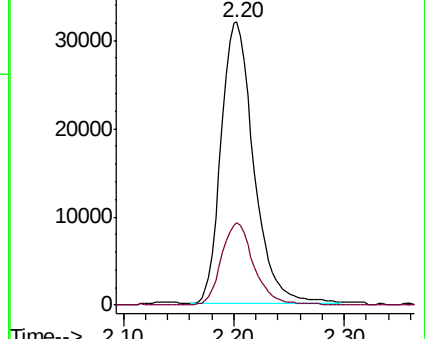
43 100

58 28.8 0.0 54.6



Abundance Ion 43.05 (42.75 to 43.75): VV012133.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV012133.D (-333) (-)



#14

Carbon disulfide

Concen: 9.891 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012134.D

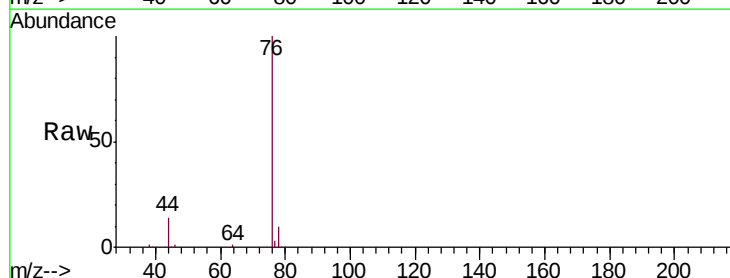
Acq: 08 Aug 2019 19:28

Tgt Ion: 76 Resp: 129993

Ion Ratio Lower Upper

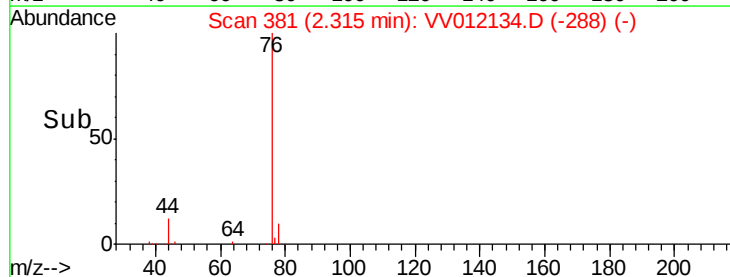
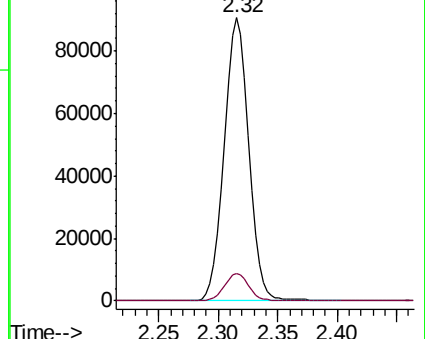
76 100

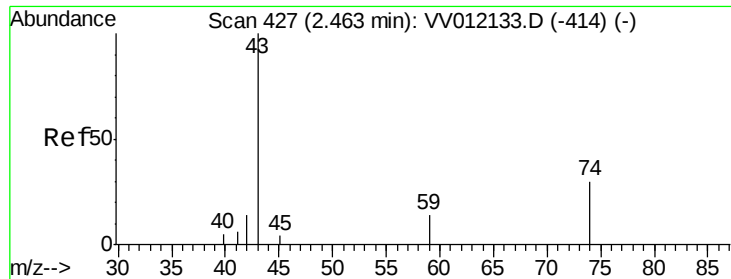
78 9.8 7.8 11.8



Abundance Ion 76.05 (75.75 to 76.75): VV012133.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012133.D (-369) (-)

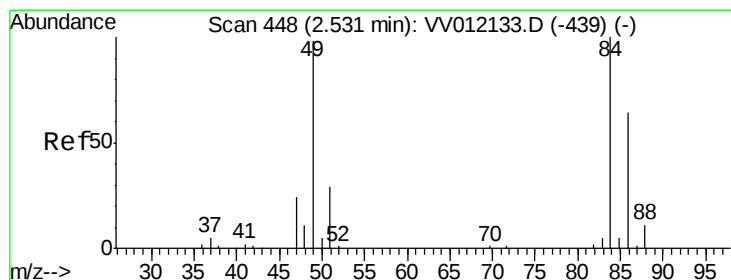
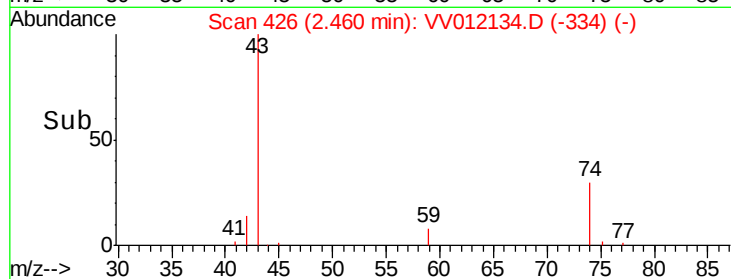
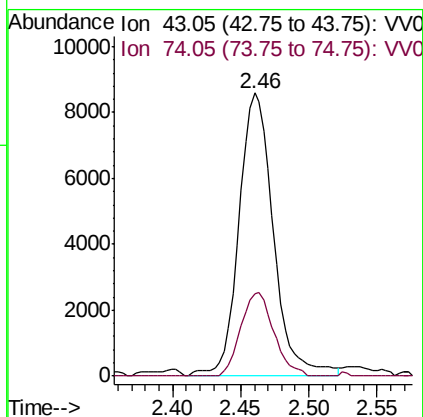
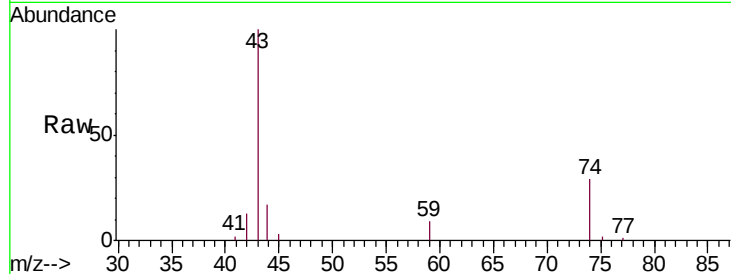




#15
Methyl Acetate
Concen: 9.239 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

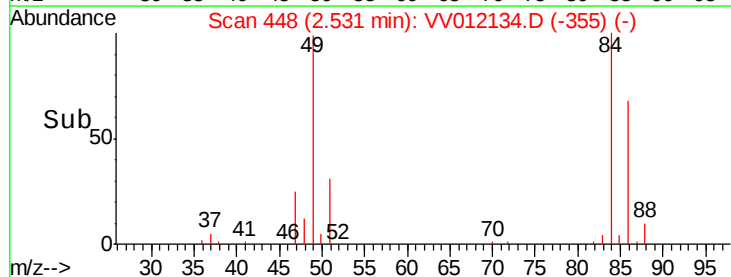
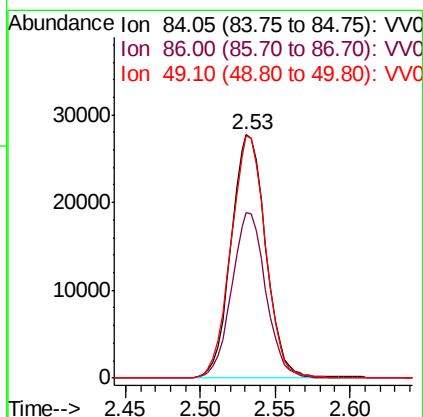
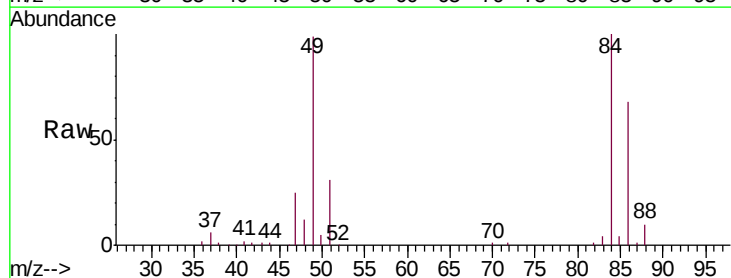
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

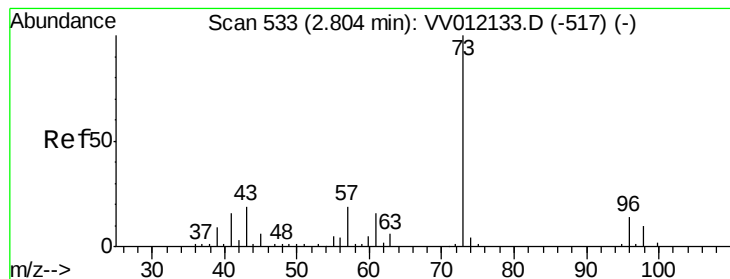
Tgt Ion: 43 Resp: 15115
Ion Ratio Lower Upper
43 100
74 28.2 24.6 36.8



#16
Methylene chloride
Concen: 9.067 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Tgt Ion: 84 Resp: 44700
Ion Ratio Lower Upper
84 100
86 68.2 45.4 84.2
49 99.3 69.2 128.4





#17

Methyl tert-butyl Ether

Concen: 10.610 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

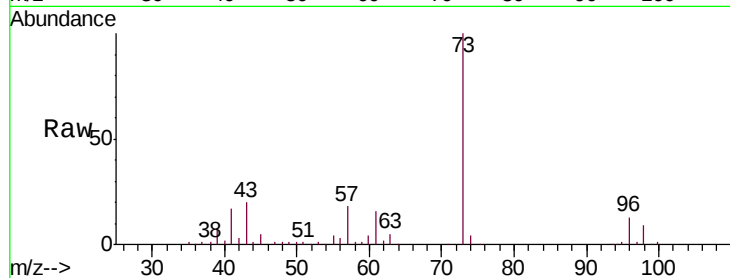
Tgt Ion: 73 Resp: 169441

Ion Ratio Lower Upper

73 100

43 20.2 15.9 23.9

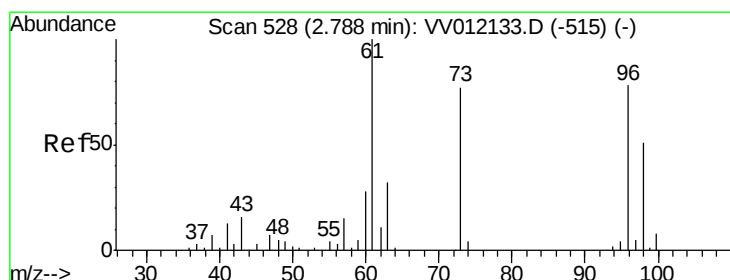
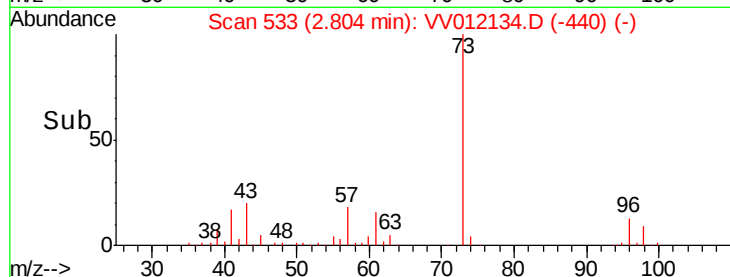
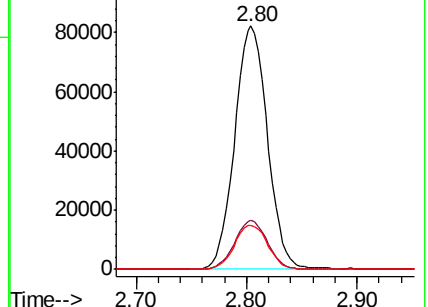
57 18.5 15.0 22.4



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 9.665 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

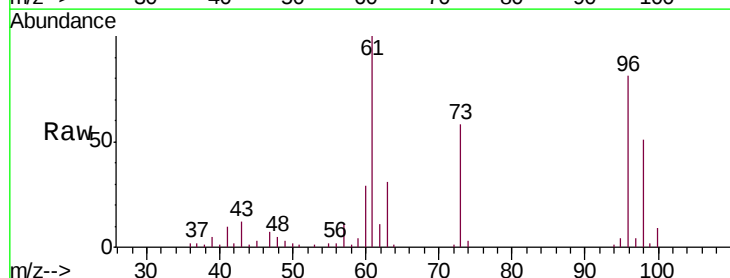
Tgt Ion: 96 Resp: 68965

Ion Ratio Lower Upper

96 100

61 123.2 89.9 167.0

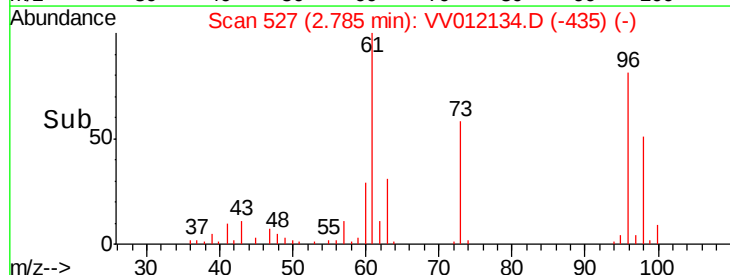
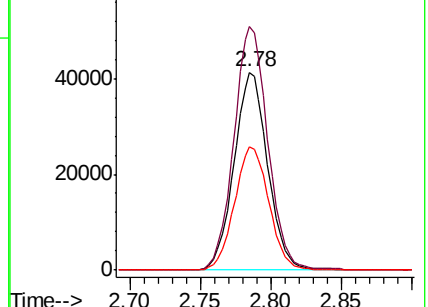
98 62.3 45.6 84.6

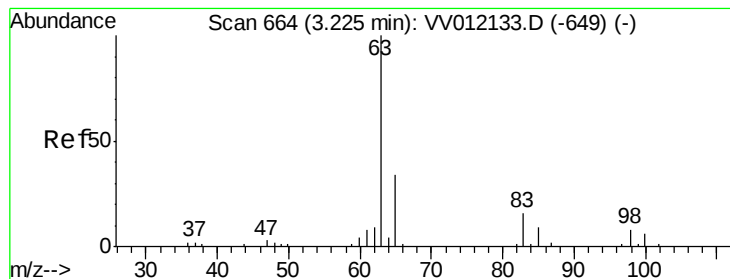


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 9.146 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

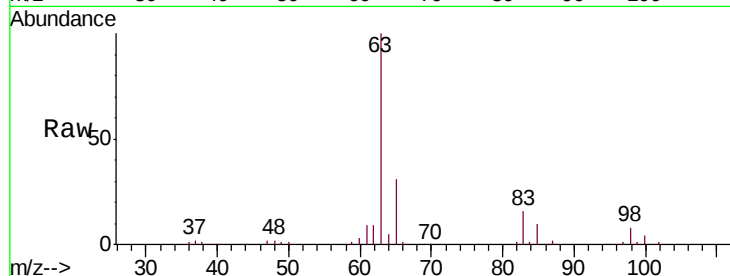
Tgt Ion: 63 Resp: 113472

Ion Ratio Lower Upper

63 100

65 31.4 23.5 43.7

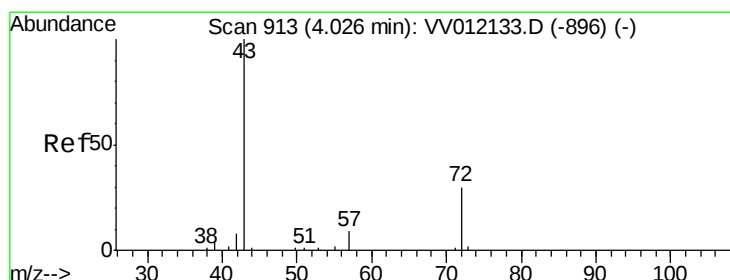
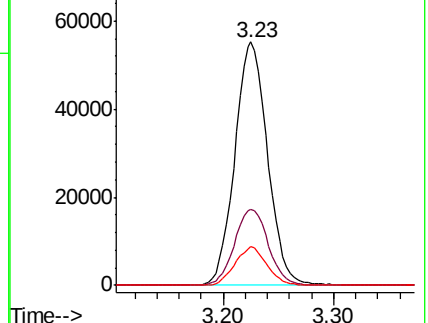
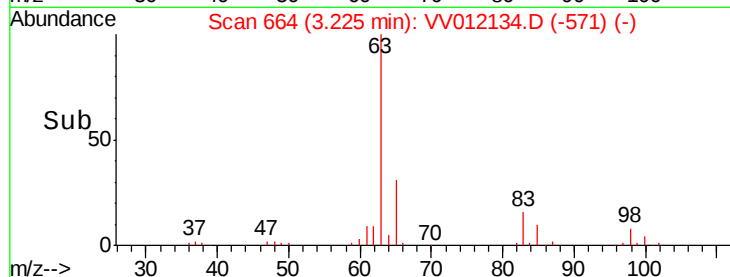
83 15.8 11.0 20.4



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: 97.404 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV012134.D

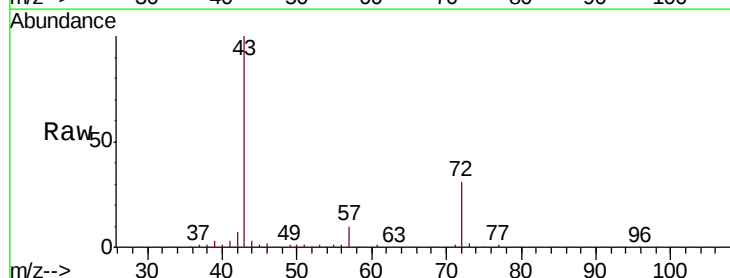
Acq: 08 Aug 2019 19:28

Tgt Ion: 43 Resp: 138123

Ion Ratio Lower Upper

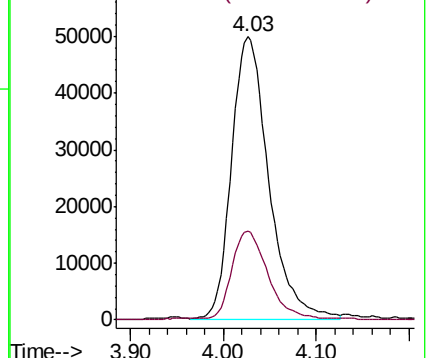
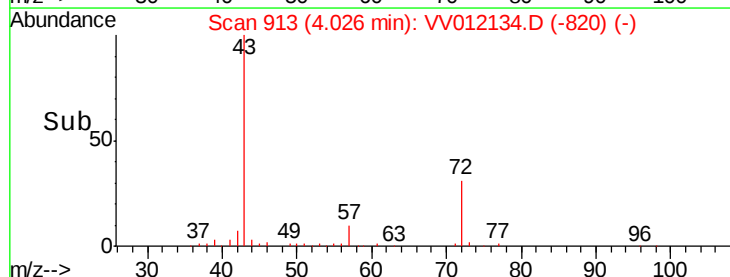
43 100

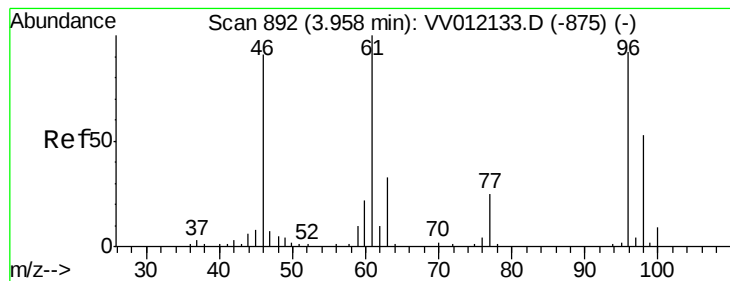
72 29.6 14.8 44.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



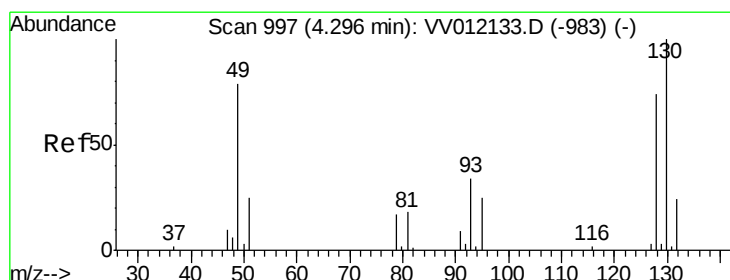
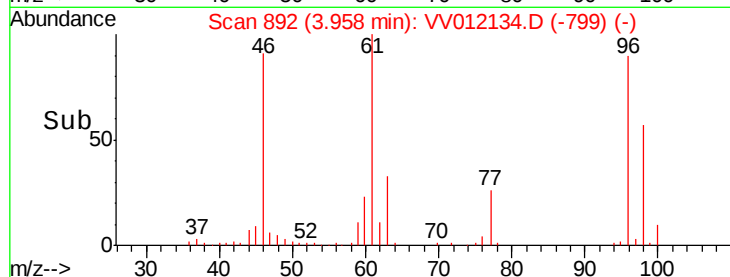
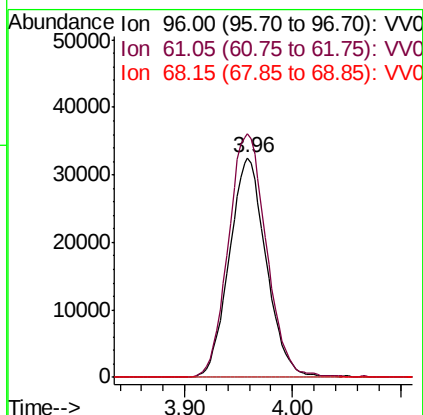
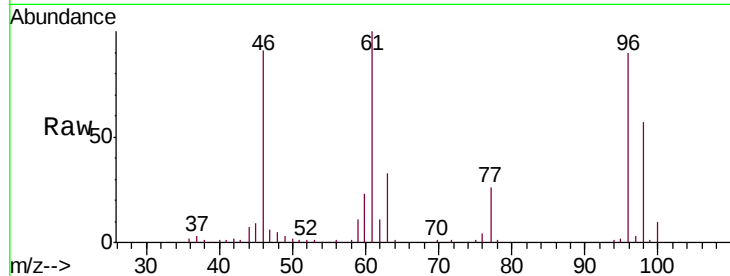


#22

cis-1,2-Dichloroethene
Concen: 10.049 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

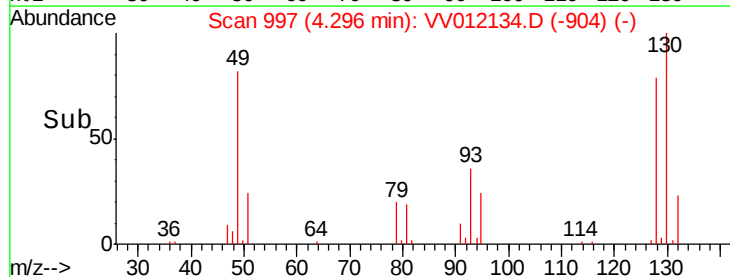
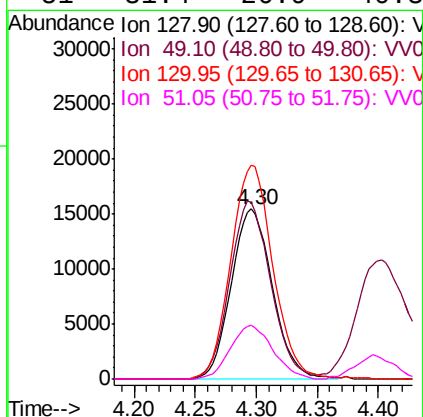
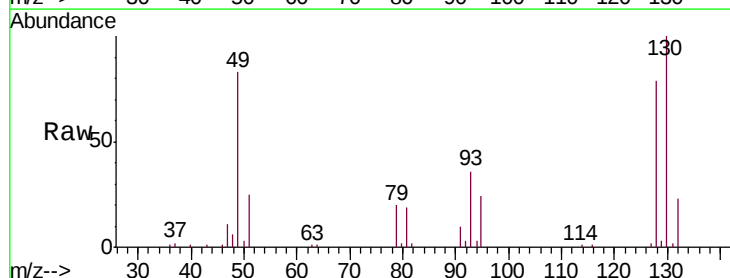
Tgt Ion: 96 Resp: 77393
Ion Ratio Lower Upper
96 100
61 110.9 76.2 141.4
68 0.0 0.0 0.0

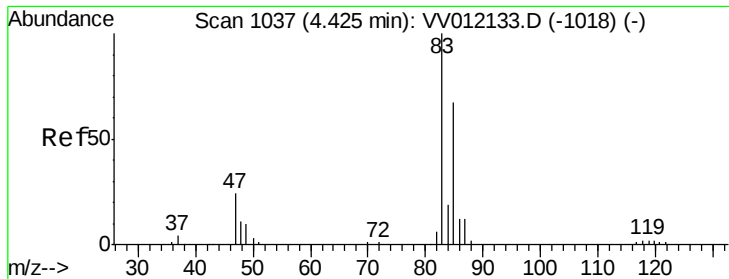


#23

Bromochloromethane
Concen: 10.413 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Tgt Ion: 128 Resp: 36206
Ion Ratio Lower Upper
128 100
49 104.1 74.6 138.6
130 125.9 94.0 174.6
51 31.4 26.9 40.3

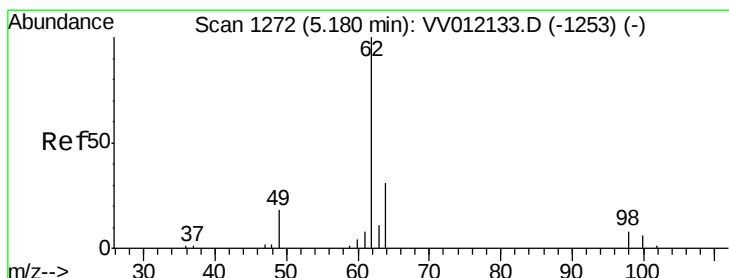
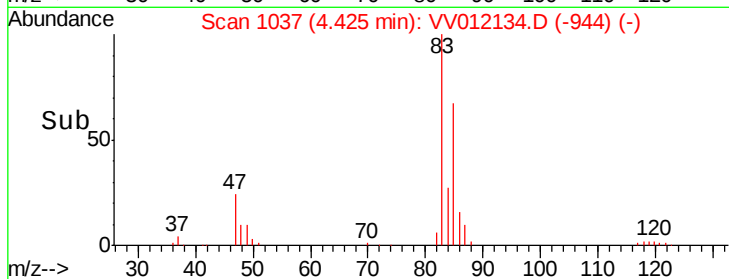
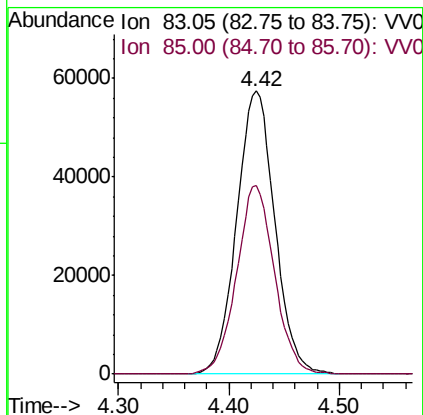
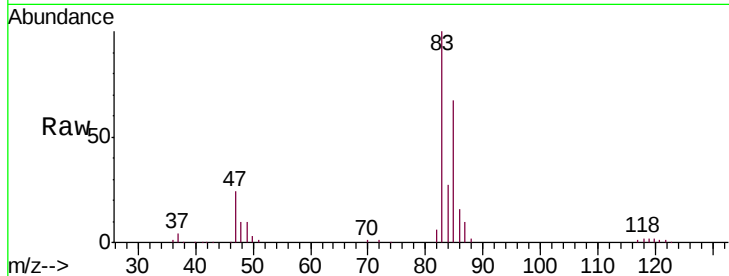




#25
Chloroform
Concen: 8.519 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

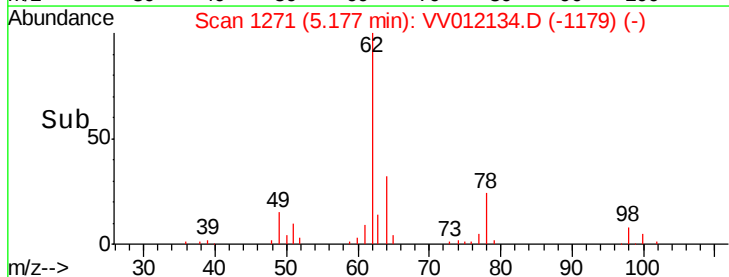
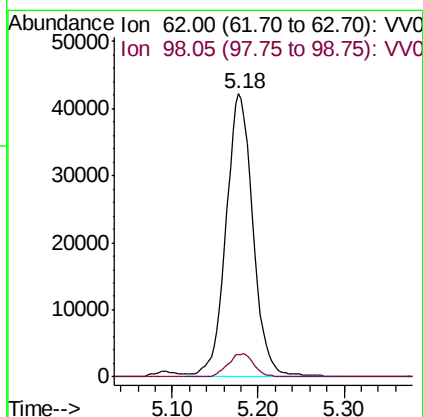
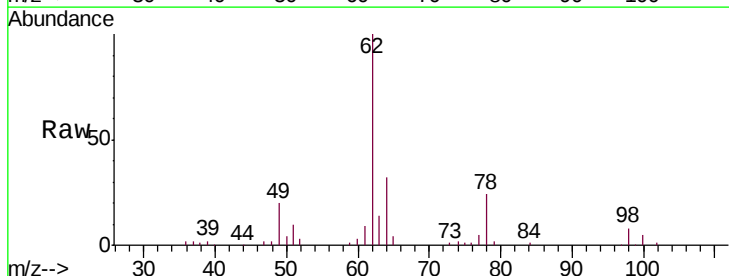
Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

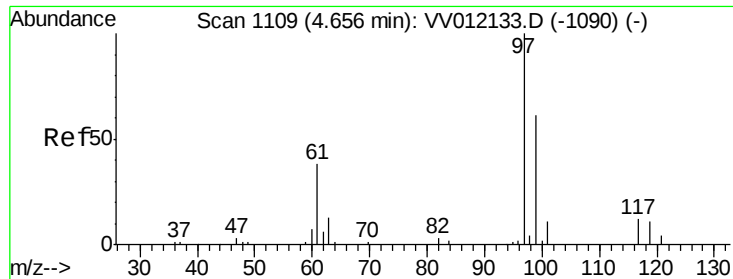
Tgt Ion: 83 Resp: 137466
Ion Ratio Lower Upper
83 100
85 66.6 47.1 87.5



#27
1,2-Dichloroethane
Concen: 10.180 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Tgt Ion: 62 Resp: 92005
Ion Ratio Lower Upper
62 100
98 7.9 6.4 9.6

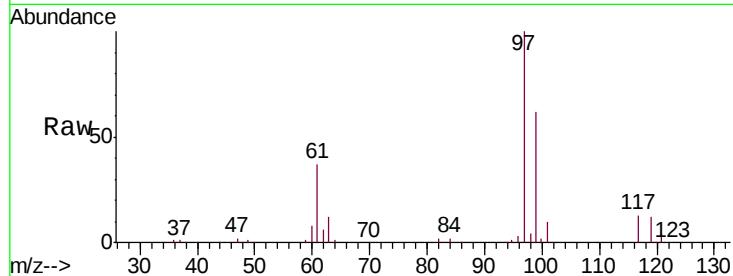




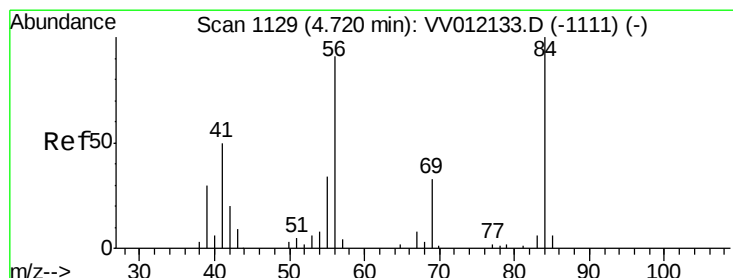
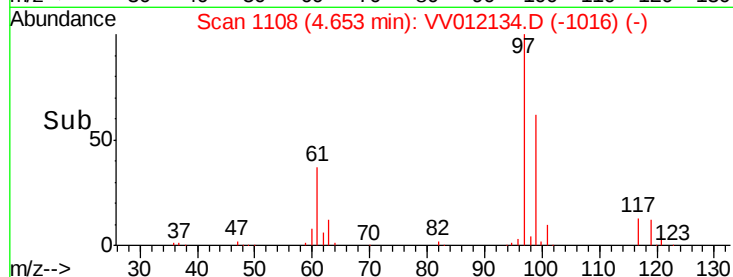
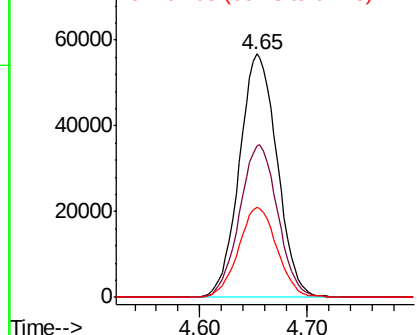
#29
 1,1,1-Trichloroethane
 Concen: 10.494 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion: 97 Resp: 138402
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.0 78.0
 61 37.8 31.4 47.0

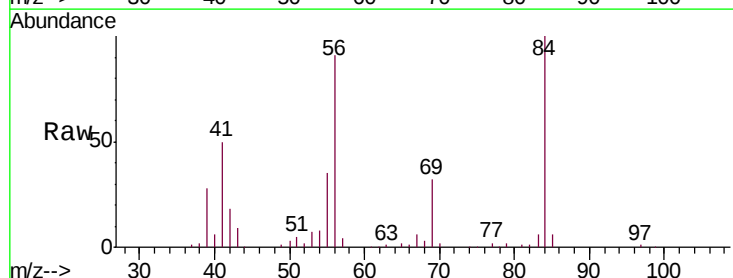


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

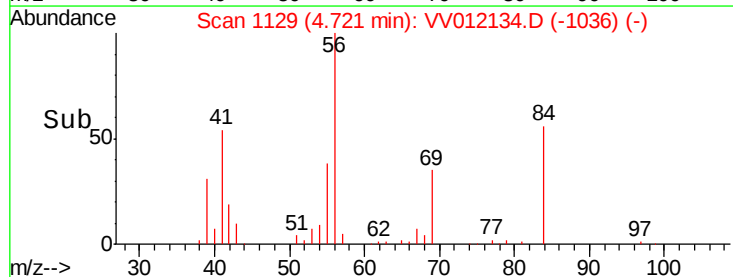
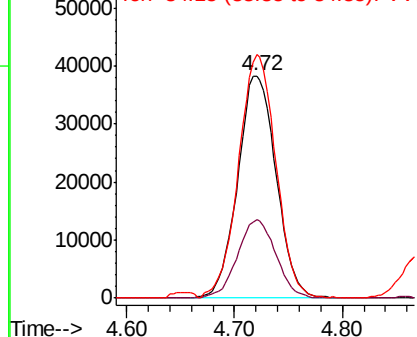


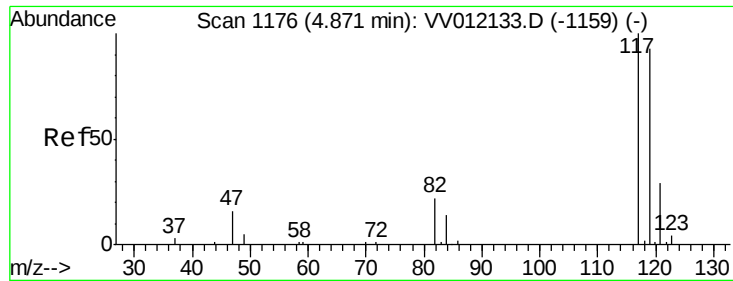
#30
 Cyclohexane
 Concen: 9.622 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Tgt Ion: 56 Resp: 95013
 Ion Ratio Lower Upper
 56 100
 69 35.1 28.0 42.0
 84 106.3 85.4 128.0



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: 11.015 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

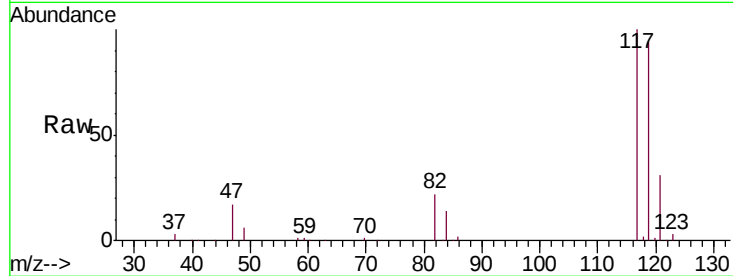
VSTD01031

Tgt Ion:117 Resp: 131616

Ion Ratio Lower Upper

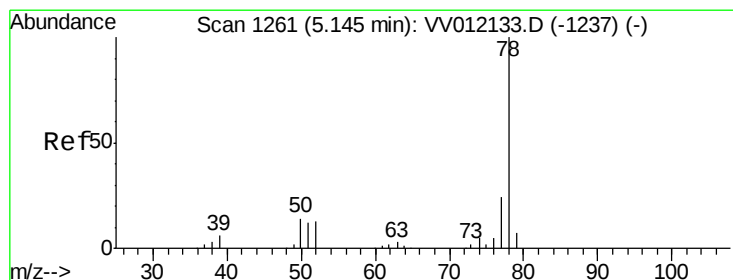
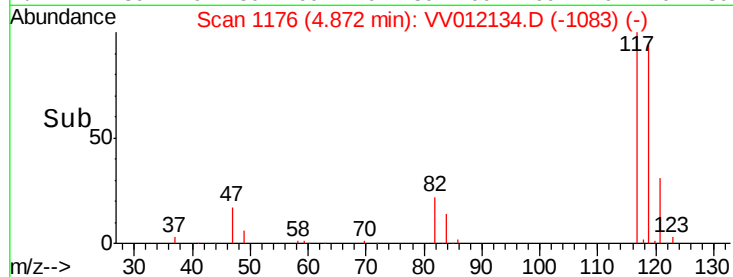
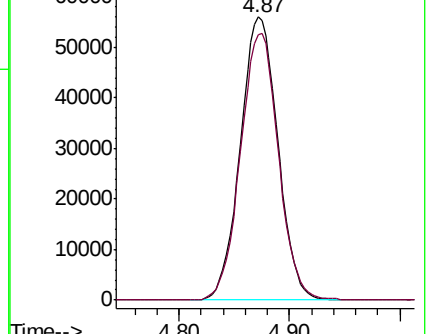
117 100

119 95.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.082 ug/L

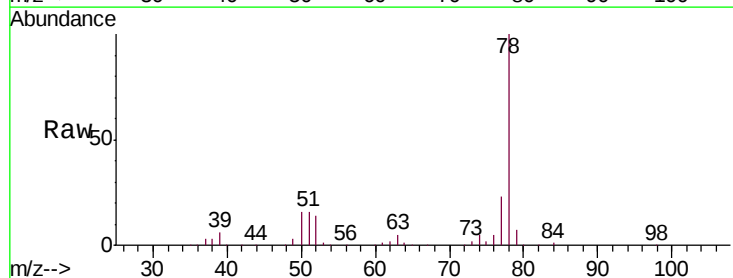
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

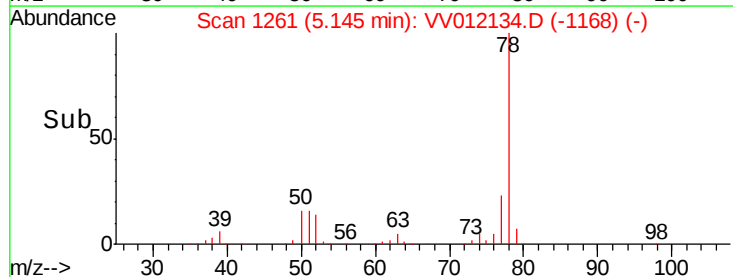
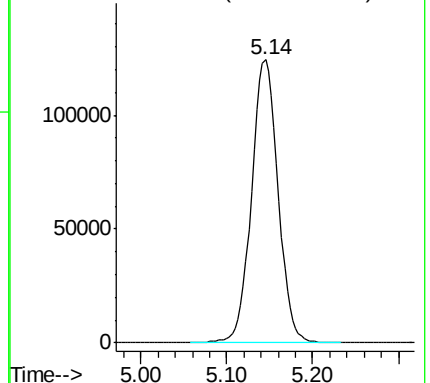
Lab File: VV012134.D

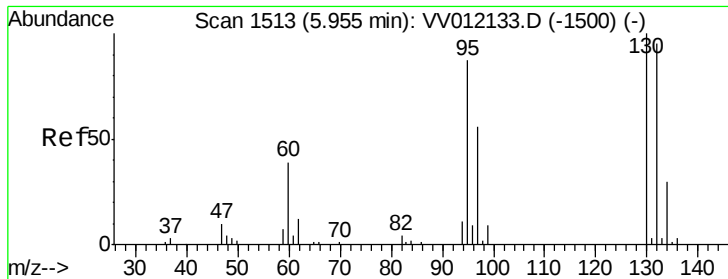
Acq: 08 Aug 2019 19:28

Tgt Ion: 78 Resp: 267871



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.223 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

Tgt Ion: 95 Resp: 78869

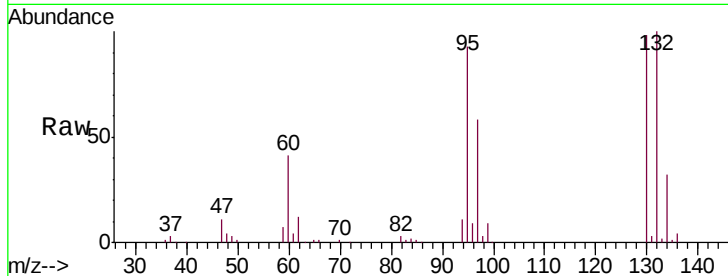
Ion Ratio Lower Upper

95 100

97 62.7 44.6 82.8

132 108.0 75.9 141.1

130 105.9 80.2 148.9

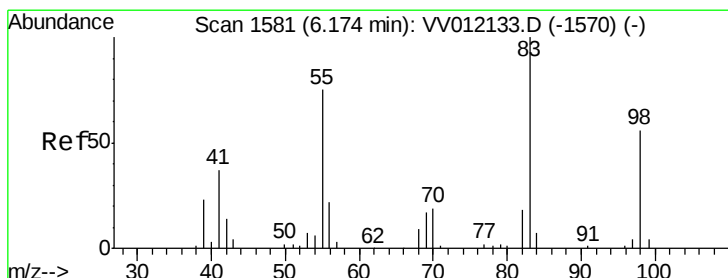
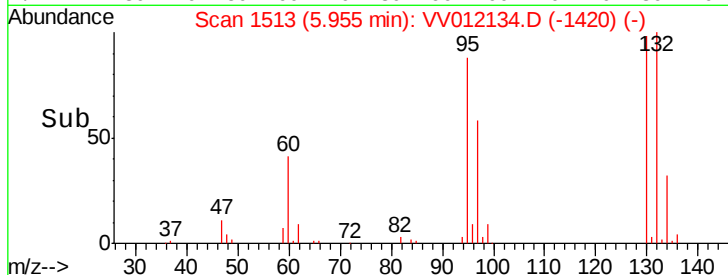
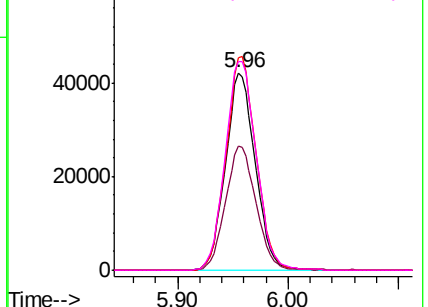


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 10.300 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

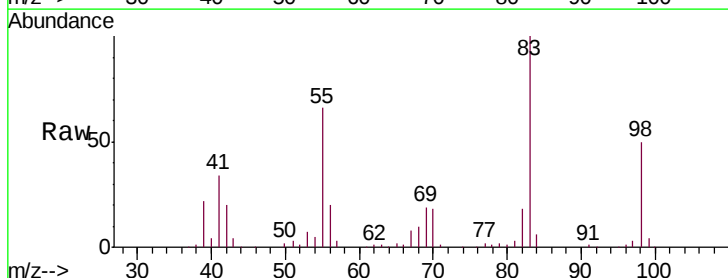
Tgt Ion: 83 Resp: 120465

Ion Ratio Lower Upper

83 100

55 67.0 55.0 82.6

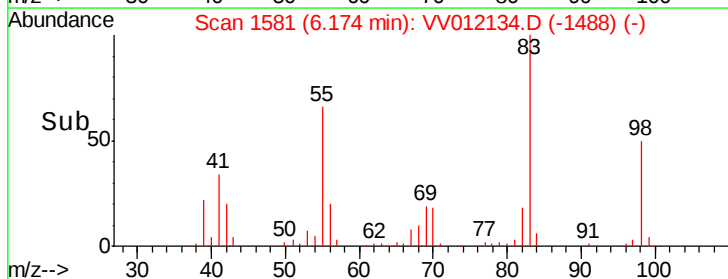
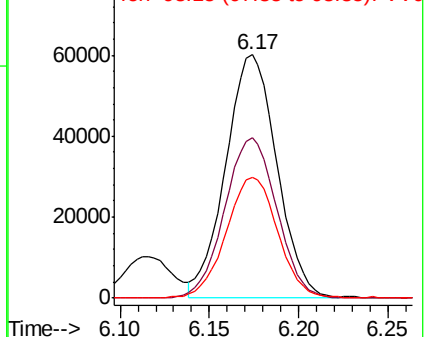
98 50.2 40.4 60.6

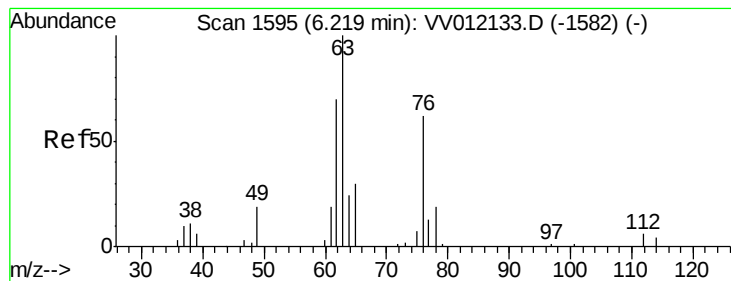


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 9.356 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

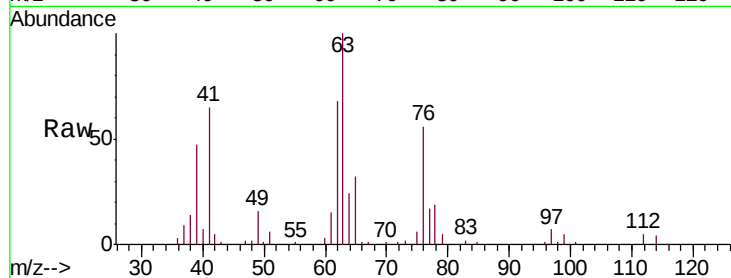
VSTD01031

Tgt Ion: 63 Resp: 57244

Ion Ratio Lower Upper

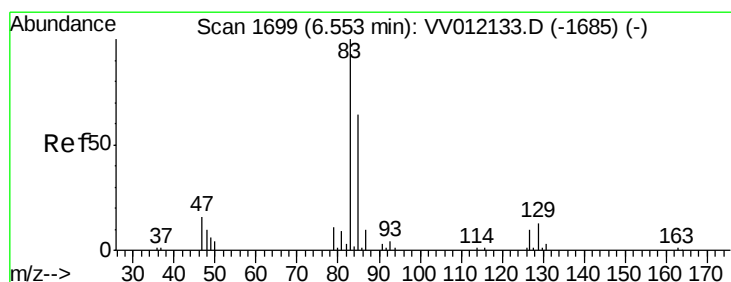
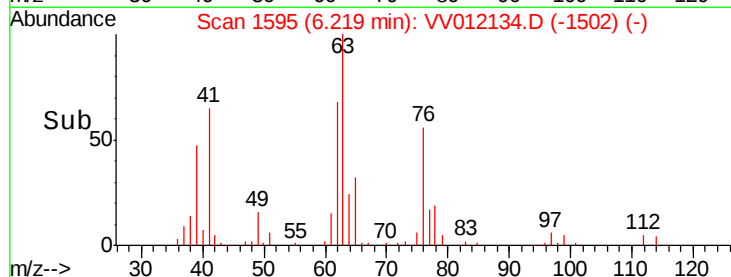
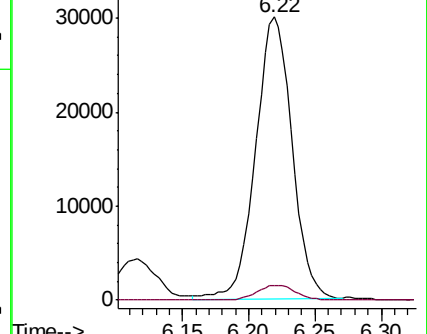
63 100

112 5.5 3.9 5.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 10.682 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

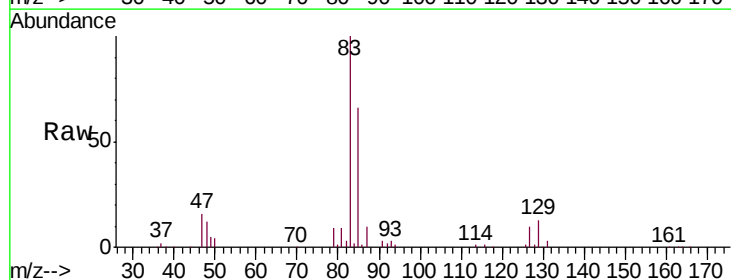
Tgt Ion: 83 Resp: 98385

Ion Ratio Lower Upper

83 100

85 65.6 44.9 83.5

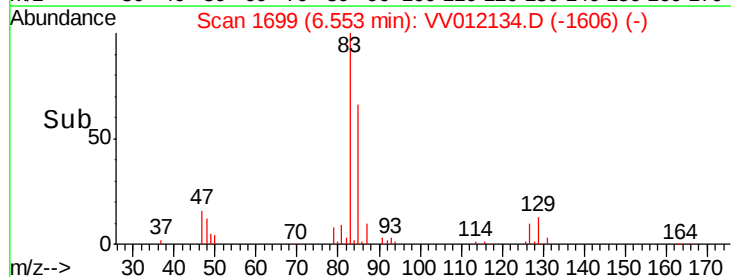
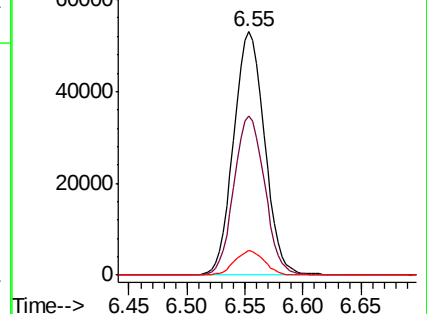
127 9.9 8.2 12.2

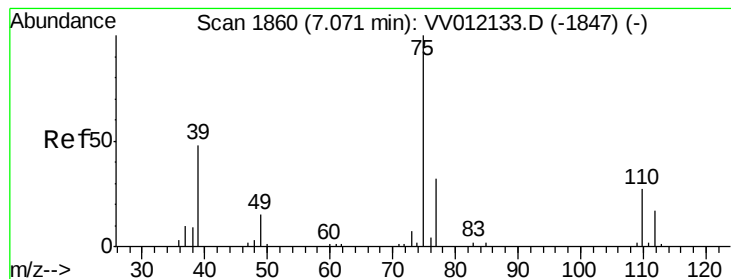


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 11.040 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

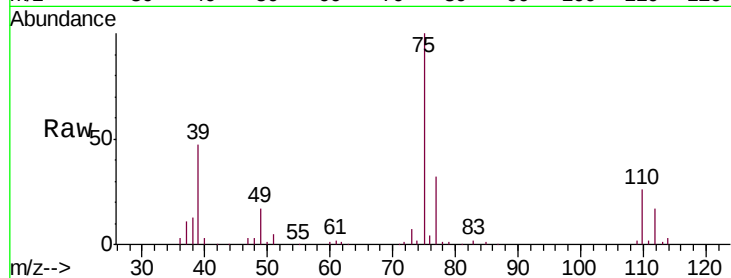
VSTD01031

Tgt Ion: 75 Resp: 106589

Ion Ratio Lower Upper

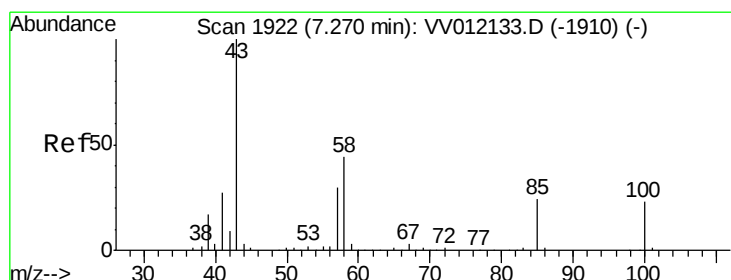
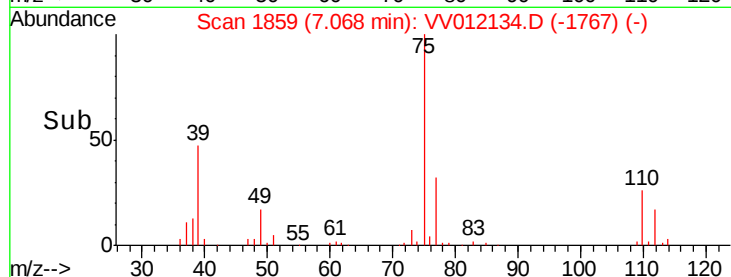
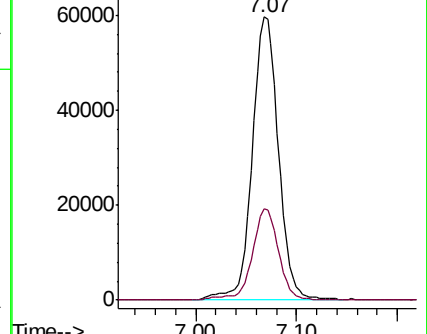
75 100

77 32.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 102.204 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

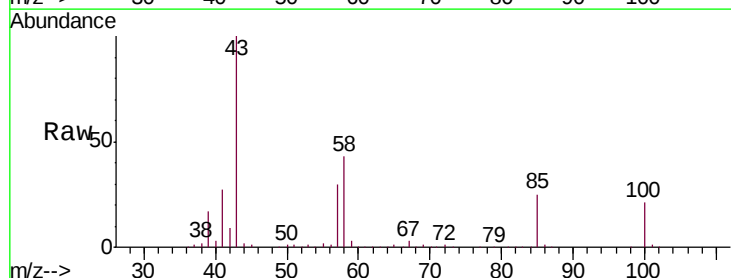
Tgt Ion: 43 Resp: 342137

Ion Ratio Lower Upper

43 100

58 42.6 34.2 51.2

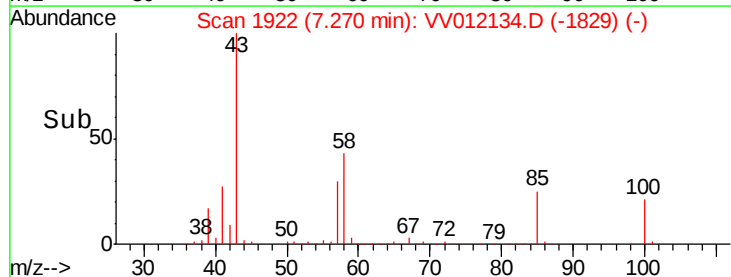
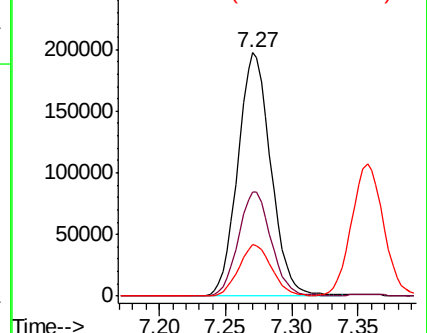
100 21.1 17.0 25.6

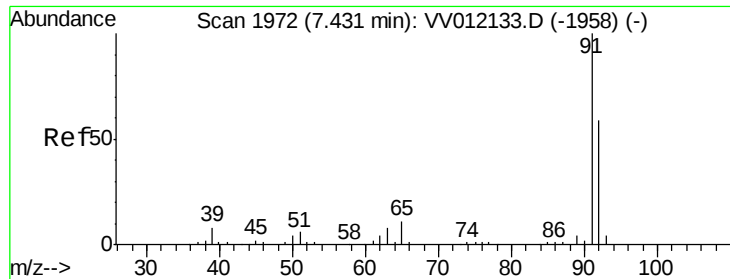


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 10.658 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

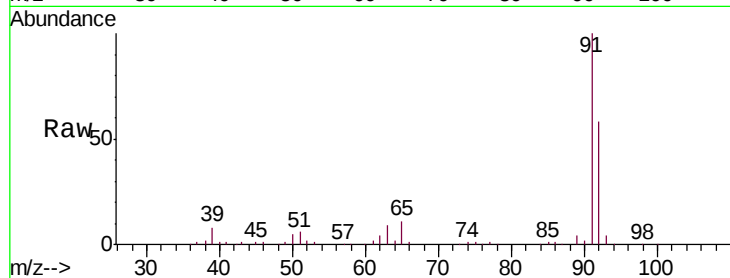
VSTD01031

Tgt Ion: 91 Resp: 312182

Ion Ratio Lower Upper

91 100

92 58.0 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

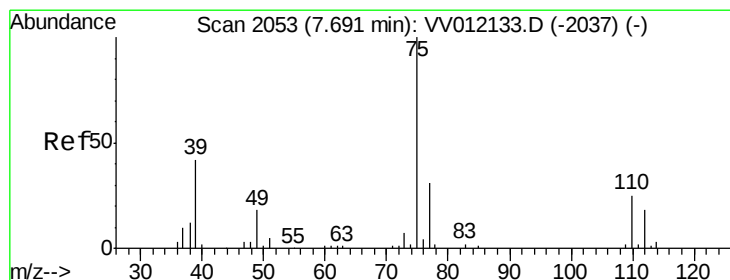
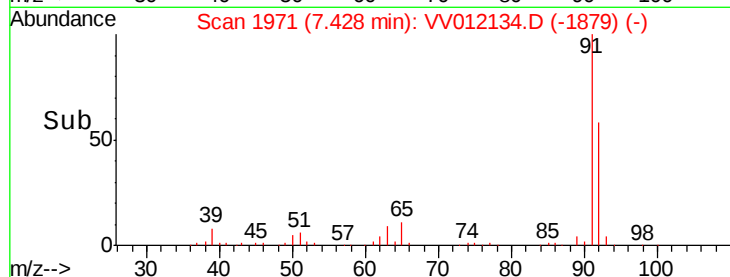
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.304 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012134.D

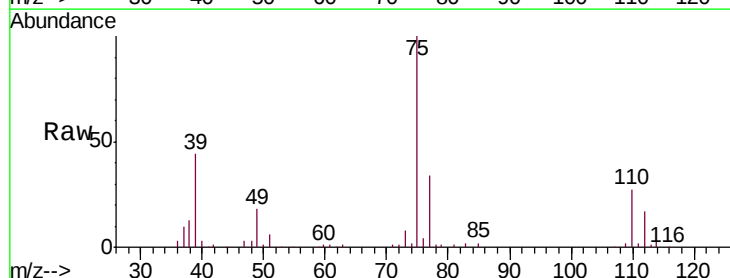
Acq: 08 Aug 2019 19:28

Tgt Ion: 75 Resp: 89323

Ion Ratio Lower Upper

75 100

77 33.9 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

60000

50000

40000

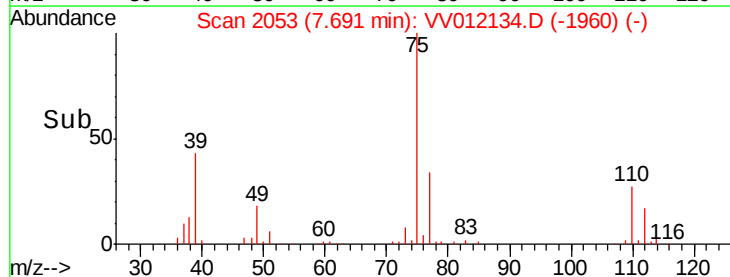
30000

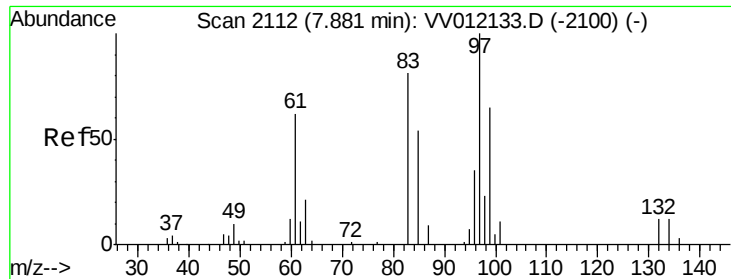
20000

10000

0

Time-->

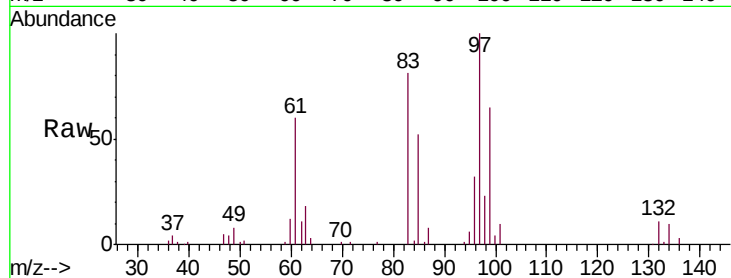




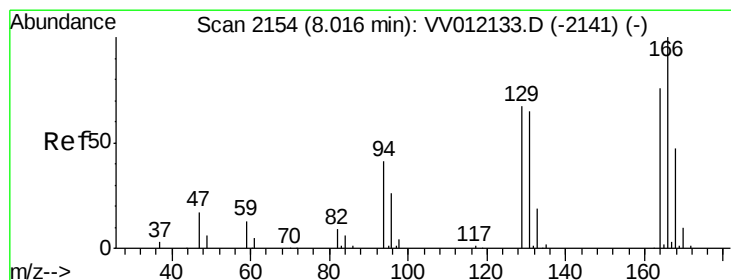
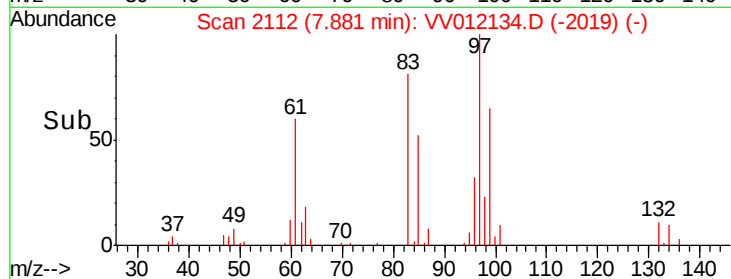
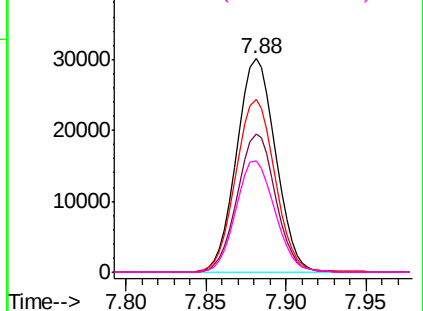
#45
 1,1,2-Trichloroethane
 Concen: 10.776 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion:	97	Resp:	50117
Ion	Ratio	Lower	Upper
97	100		
99	64.8	45.2	84.0
83	80.7	56.8	105.4
85	52.4	37.9	70.5

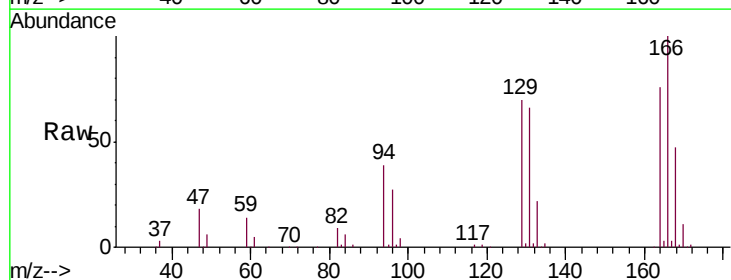


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

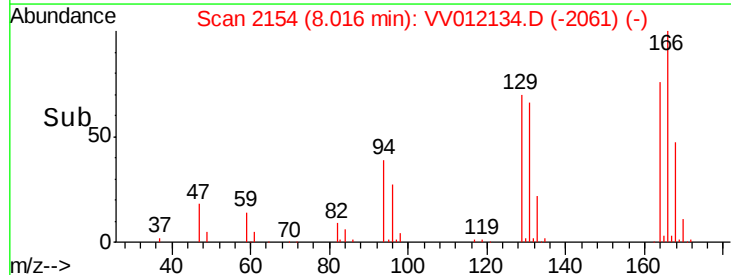
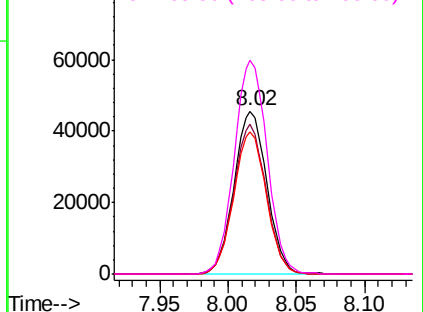


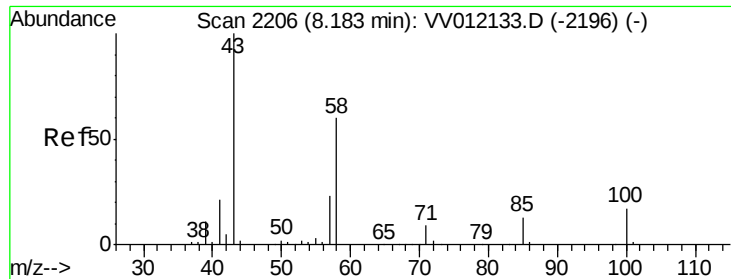
#47
 Tetrachloroethene
 Concen: 10.637 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Tgt Ion:	164	Resp:	76116
Ion	Ratio	Lower	Upper
164	100		
129	91.7	62.2	115.4
131	87.2	60.1	111.5
166	131.2	92.2	171.2



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

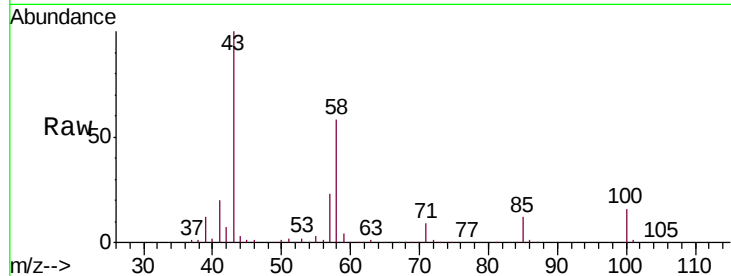




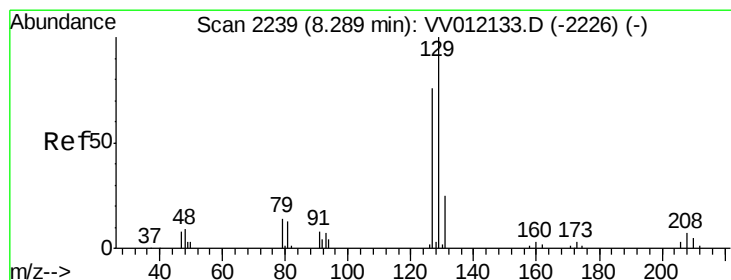
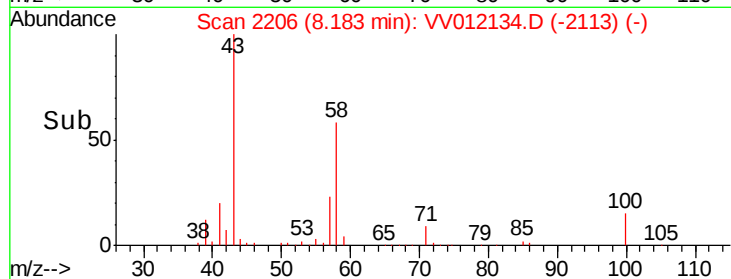
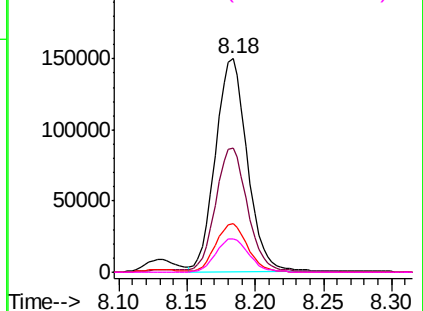
#48
2-Hexanone
Concen: 103.448 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD01031

Tgt Ion: 43 Resp: 242331
Ion Ratio Lower Upper
43 100
58 58.2 46.4 69.6
57 22.9 17.7 26.5
100 16.7 12.9 19.3

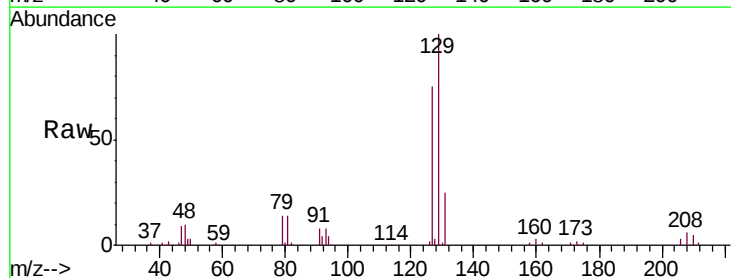


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

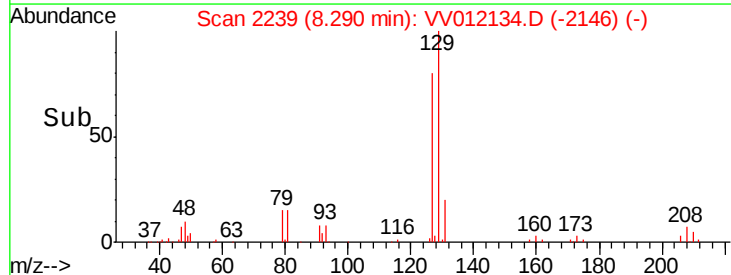
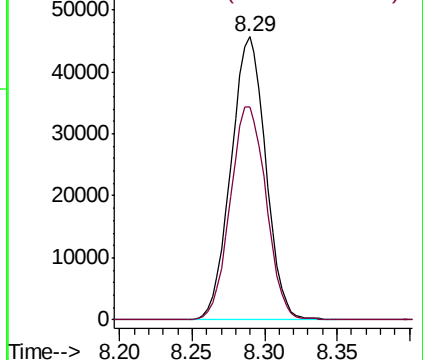


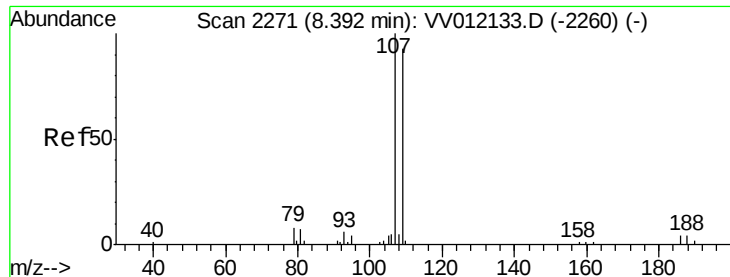
#49
Dibromochloromethane
Concen: 12.177 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012134.D
Acq: 08 Aug 2019 19:28

Tgt Ion: 129 Resp: 75927
Ion Ratio Lower Upper
129 100
127 75.4 53.4 99.2



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

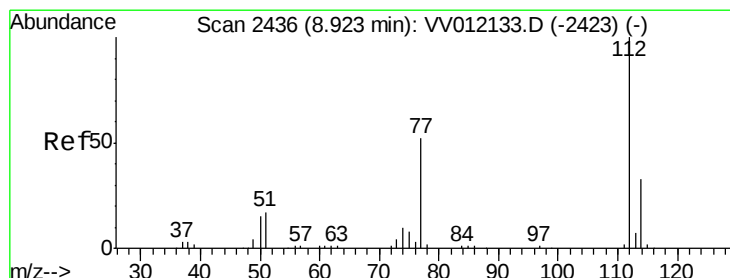
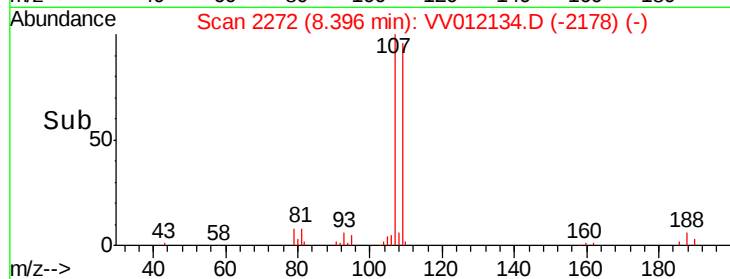
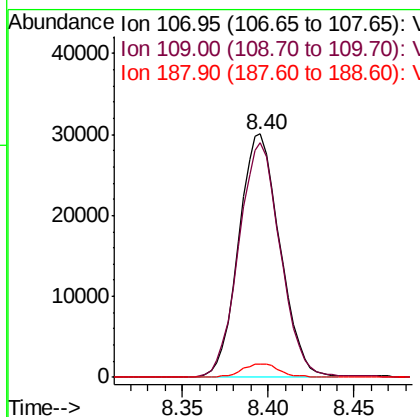
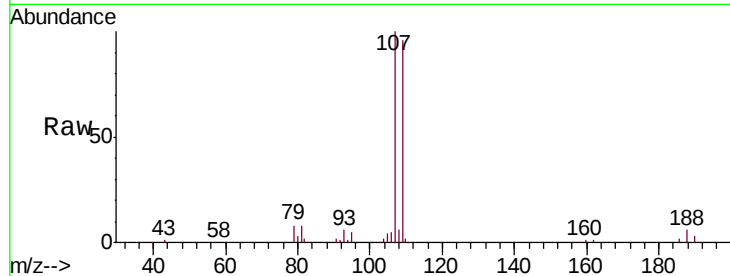




#50
 1,2-Dibromoethane
 Concen: 11.045 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

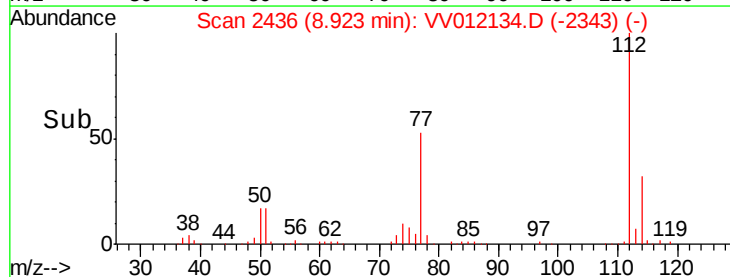
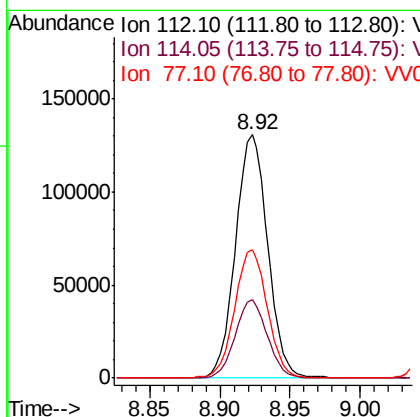
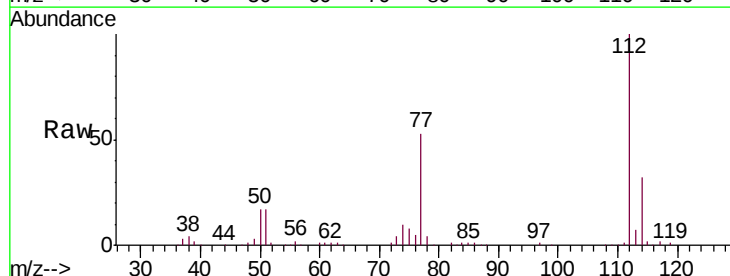
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

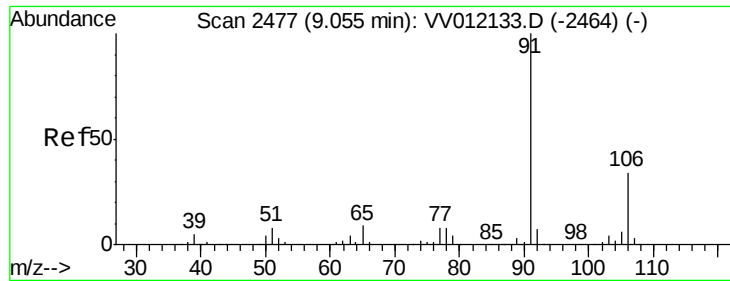
Tgt Ion:107 Resp: 50192
 Ion Ratio Lower Upper
 107 100
 109 96.4 65.1 120.9
 188 5.7 3.5 5.3#



#51
 Chlorobenzene
 Concen: 10.513 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Tgt Ion:112 Resp: 209919
 Ion Ratio Lower Upper
 112 100
 114 32.1 23.0 42.8
 77 52.7 41.8 62.8





#52

Ethylbenzene

Concen: 10.628 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampled :

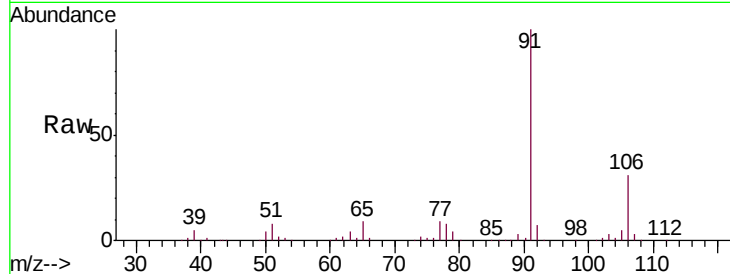
VSTD01031

Tgt Ion: 91 Resp: 358135

Ion Ratio Lower Upper

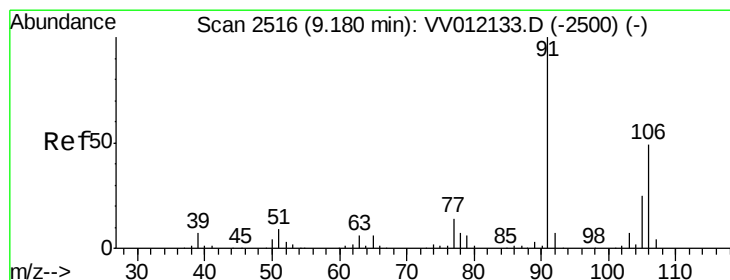
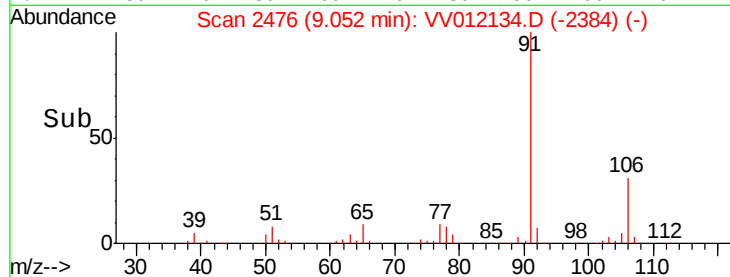
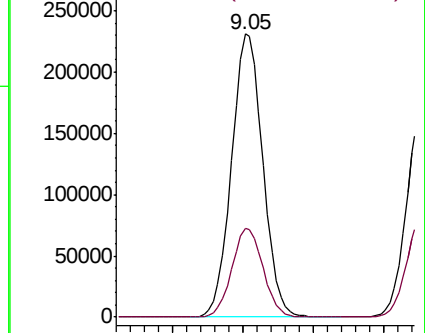
91 100

106 31.3 23.7 43.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 10.671 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012134.D

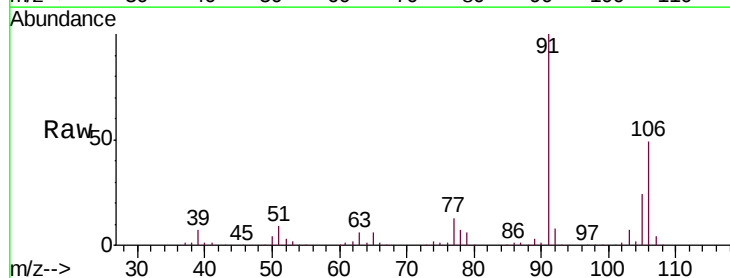
Acq: 08 Aug 2019 19:28

Tgt Ion: 106 Resp: 138474

Ion Ratio Lower Upper

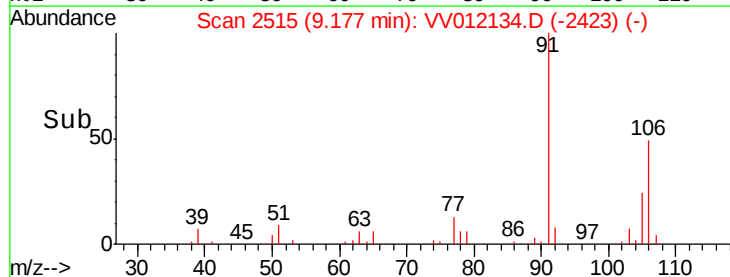
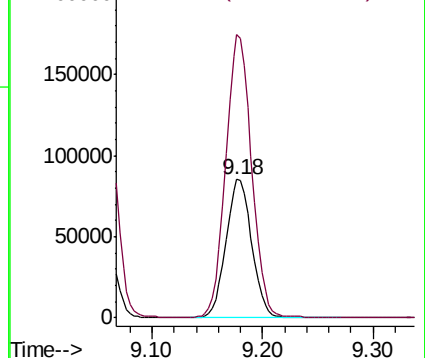
106 100

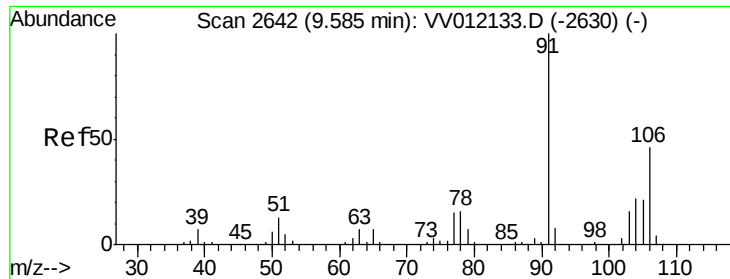
91 204.9 142.2 264.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 10.681 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

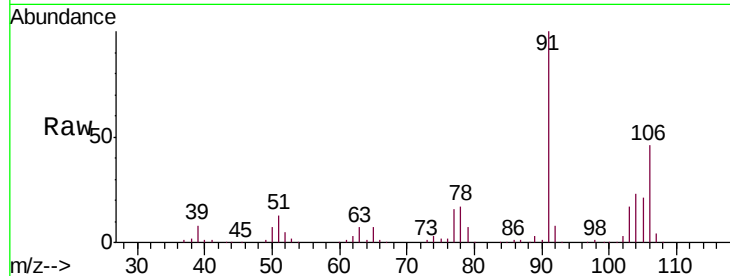
VSTD01031

Tgt Ion:106 Resp: 133224

Ion Ratio Lower Upper

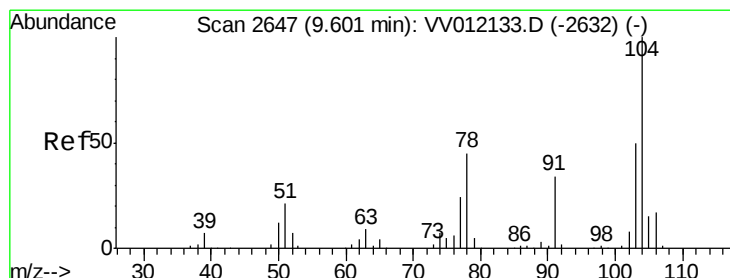
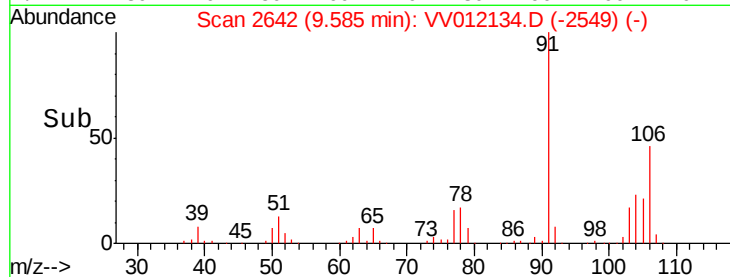
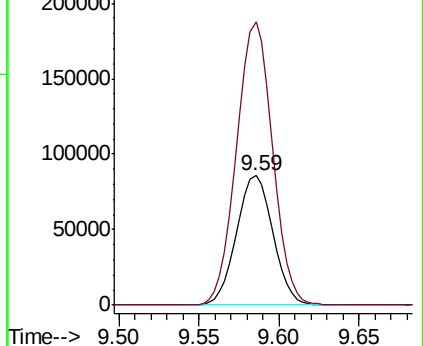
106 100

91 218.3 150.8 280.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 10.864 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012134.D

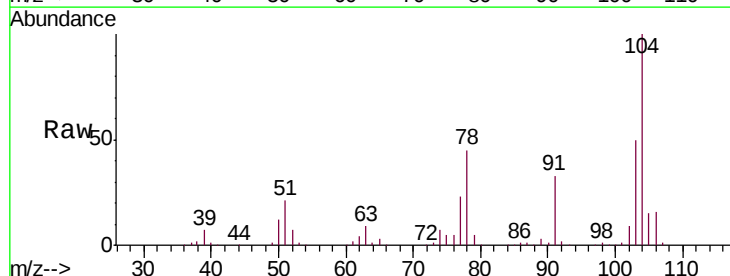
Acq: 08 Aug 2019 19:28

Tgt Ion:104 Resp: 229127

Ion Ratio Lower Upper

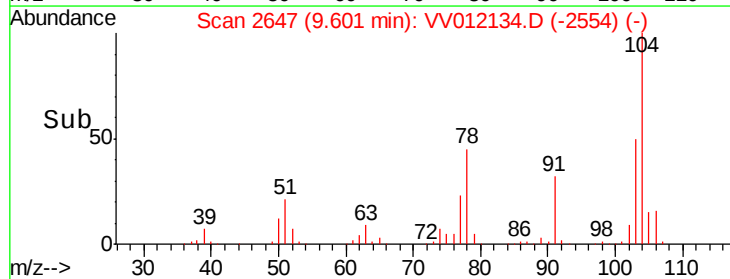
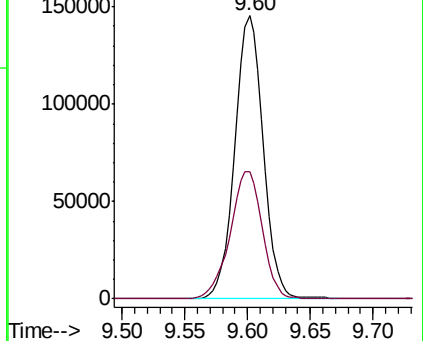
104 100

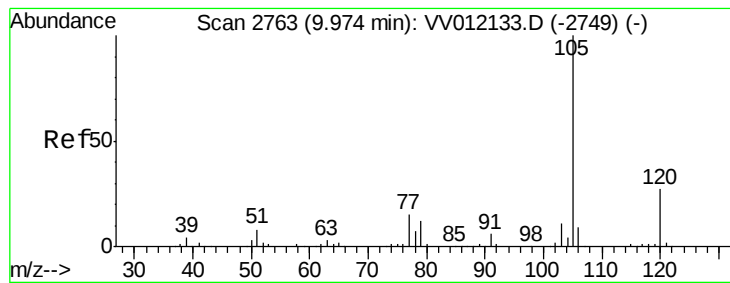
78 44.9 31.5 58.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.793 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

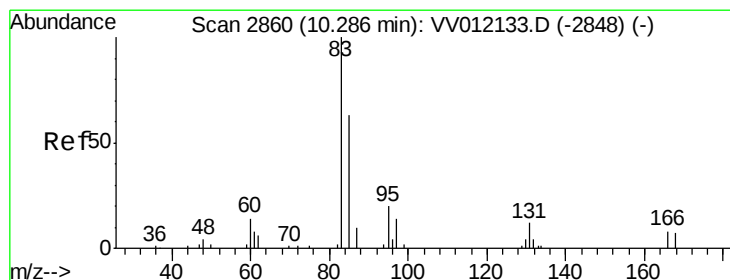
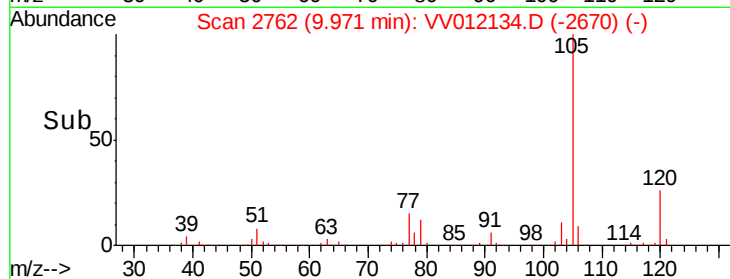
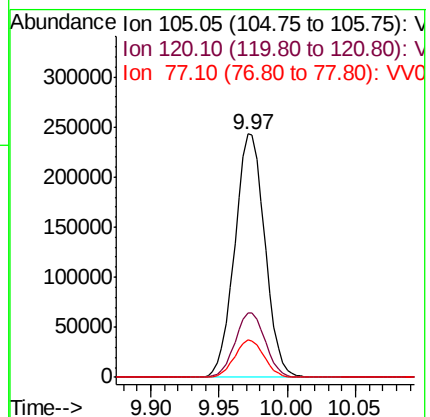
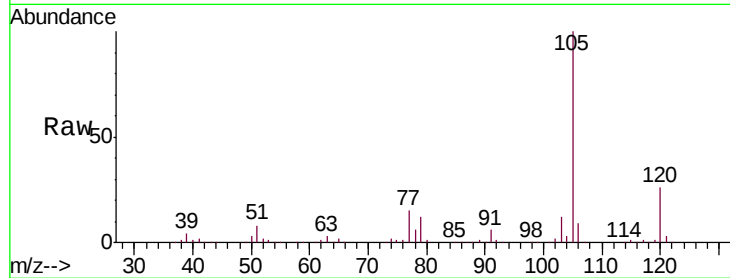
Tgt Ion: 105 Resp: 372725

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 15.1 11.7 17.5



#58

1,1,2,2-Tetrachloroethane

Concen: 10.805 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

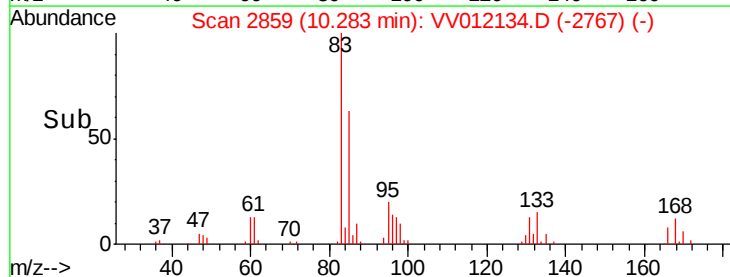
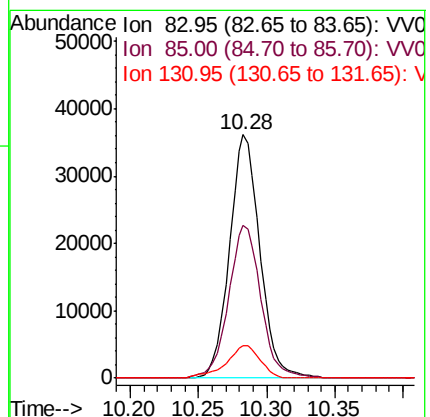
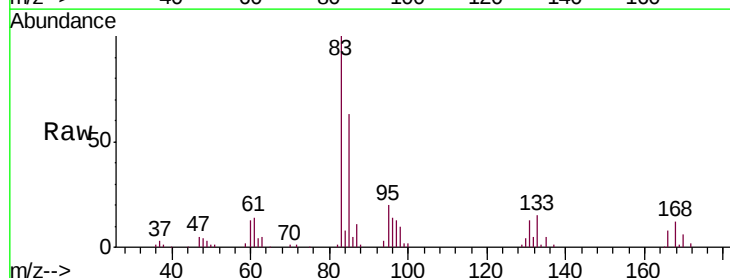
Tgt Ion: 83 Resp: 55816

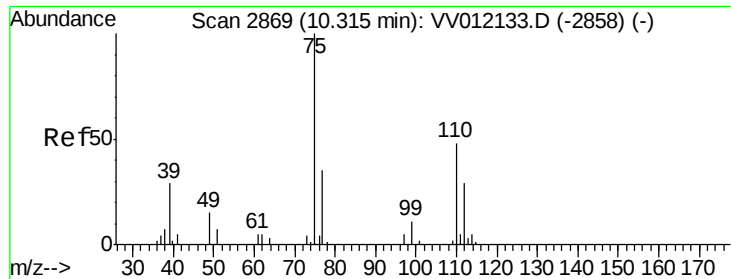
Ion Ratio Lower Upper

83 100

85 62.8 45.1 83.9

131 13.4 11.1 16.7





#59

1,2,3-Trichloropropane

Concen: 10.848 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

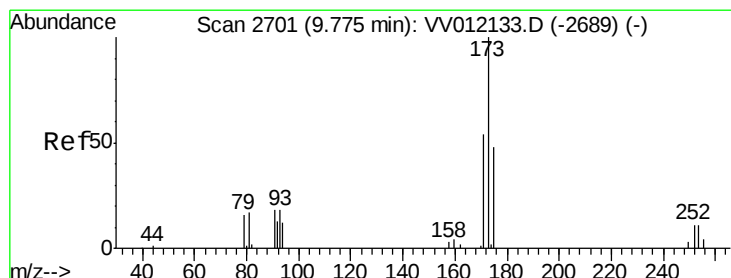
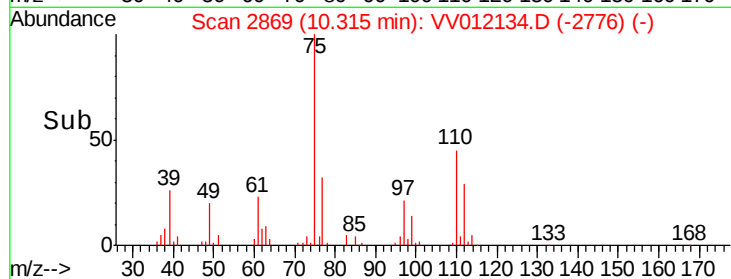
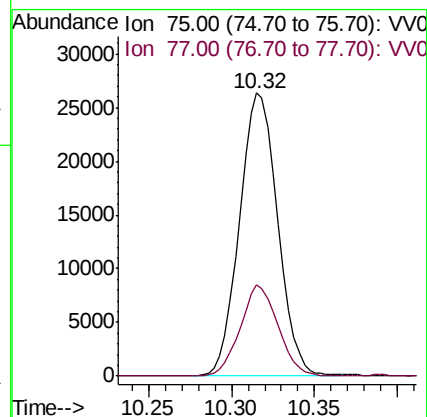
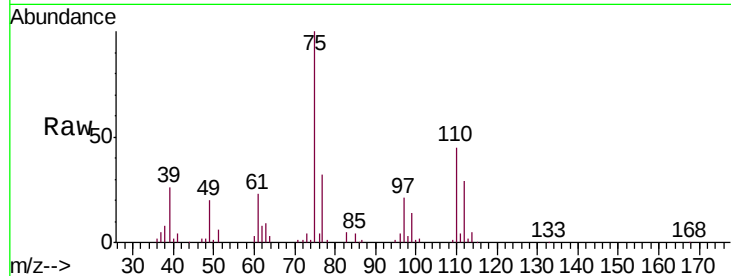
VSTD01031

Tgt Ion: 75 Resp: 42182

Ion Ratio Lower Upper

75 100

77 31.8 26.4 39.6



#61

Bromoform

Concen: 12.778 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

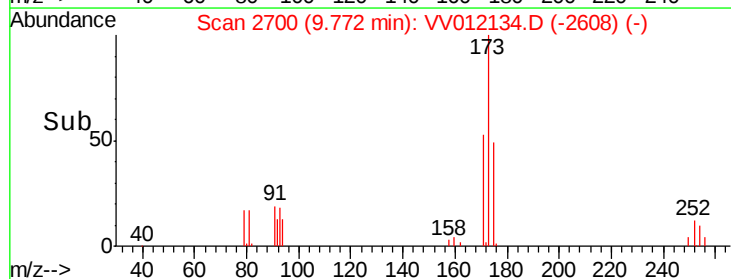
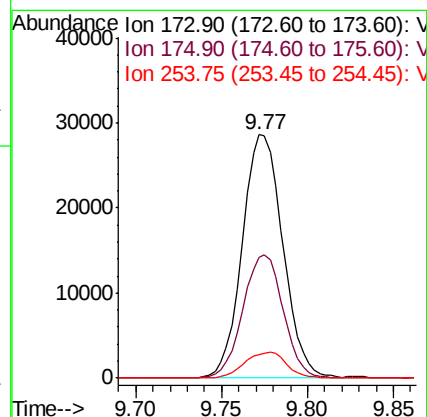
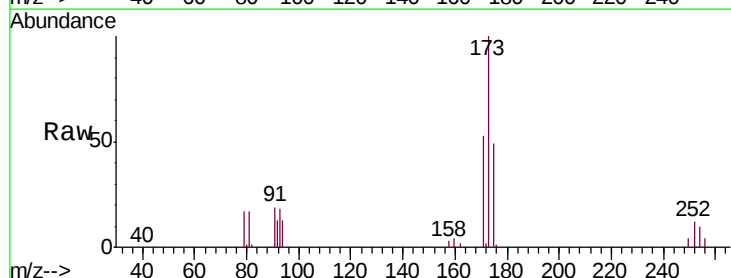
Tgt Ion: 173 Resp: 46990

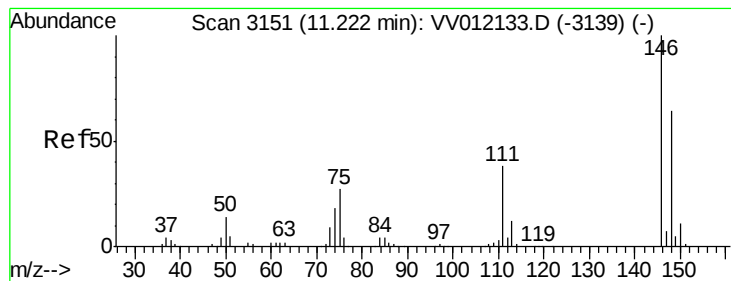
Ion Ratio Lower Upper

173 100

175 50.4 39.0 58.6

254 11.0 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 10.508 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

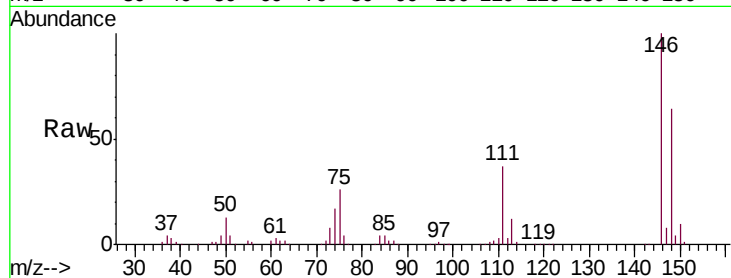
Tgt Ion:146 Resp: 187414

Ion Ratio Lower Upper

146 100

111 36.6 26.9 49.9

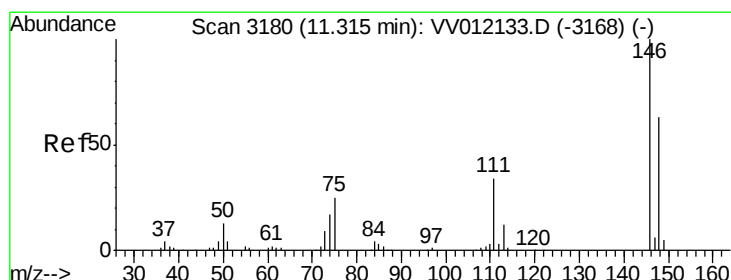
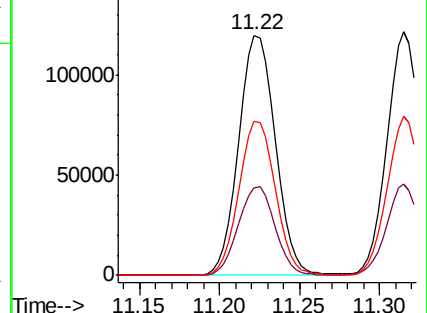
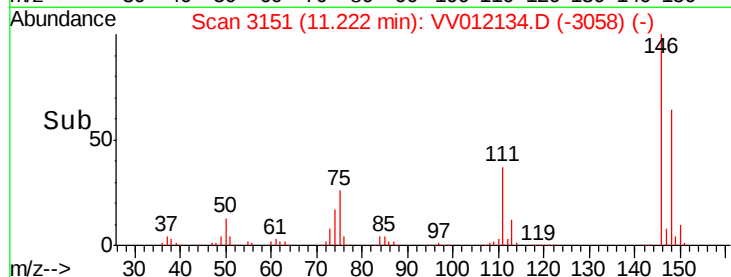
148 64.0 44.6 82.8



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: 10.089 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

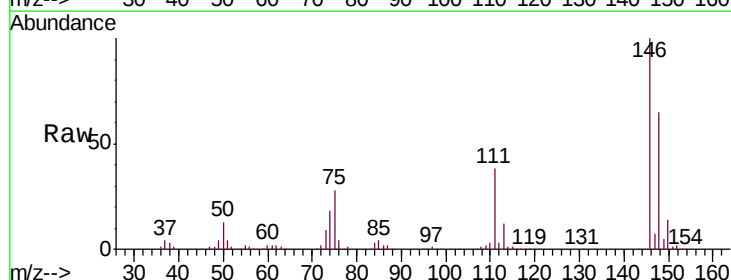
Tgt Ion:146 Resp: 183209

Ion Ratio Lower Upper

146 100

111 37.5 23.7 43.9

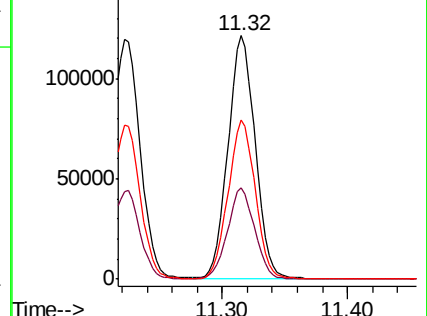
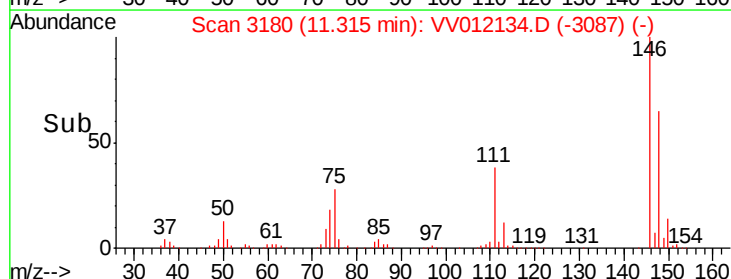
148 65.2 43.9 81.5

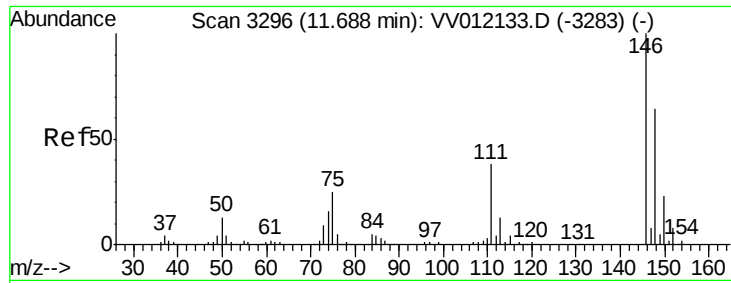


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

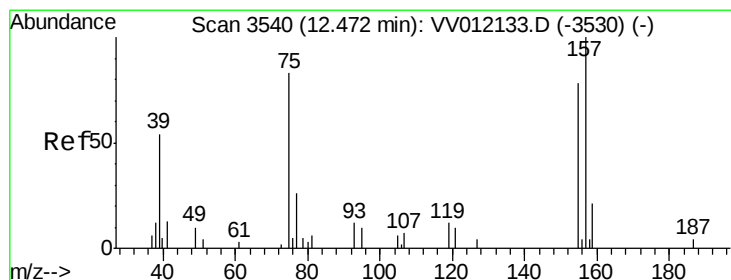
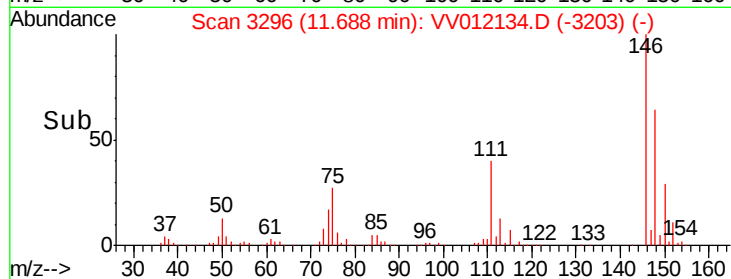
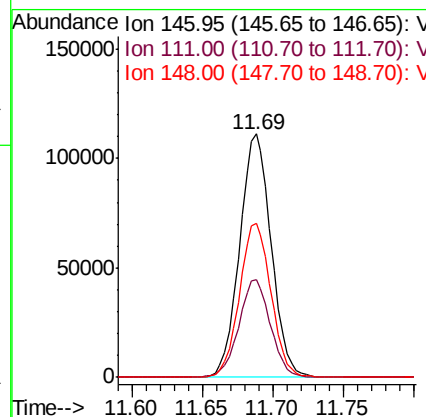
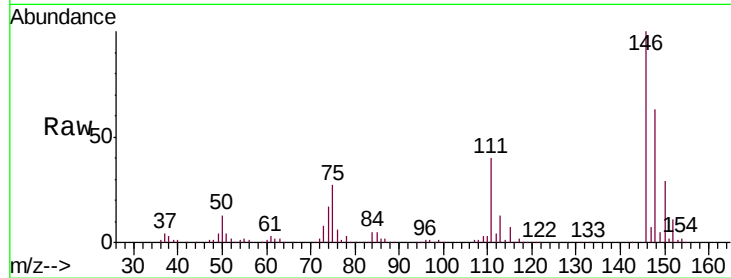




#65
 1,2-Dichlorobenzene
 Concen: 10.720 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

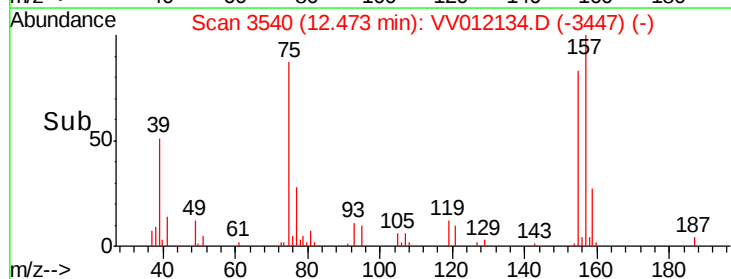
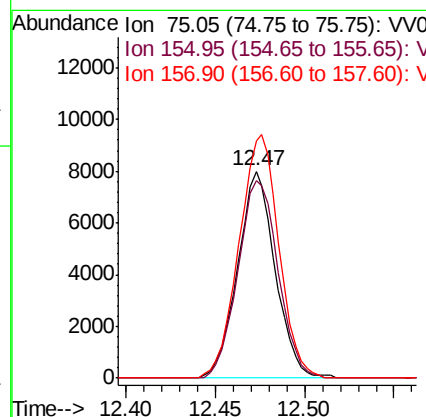
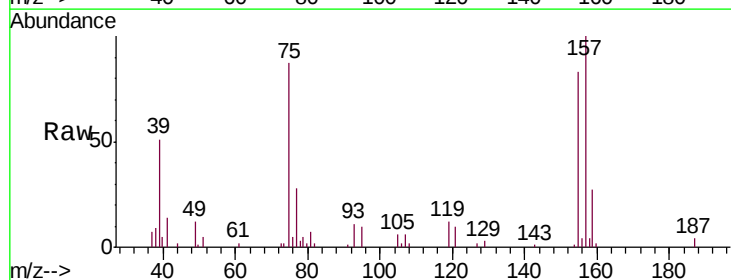
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01031

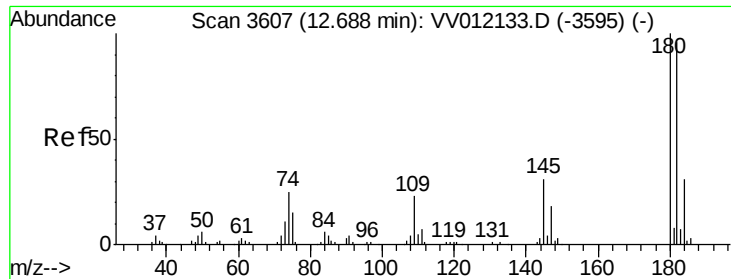
Tgt Ion: 146 Resp: 173878
 Ion Ratio Lower Upper
 146 100
 111 40.1 30.6 45.8
 148 63.4 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.108 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Tgt Ion: 75 Resp: 11751
 Ion Ratio Lower Upper
 75 100
 155 95.2 75.2 112.8
 157 114.3 96.7 145.1

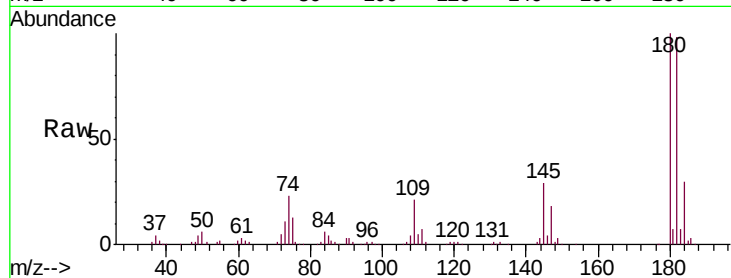




#67
 1,3,5-Trichlorobenzene
 Concen: 10.838 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01031

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
184	30.2	25.0	37.4
145	28.6	23.4	35.2



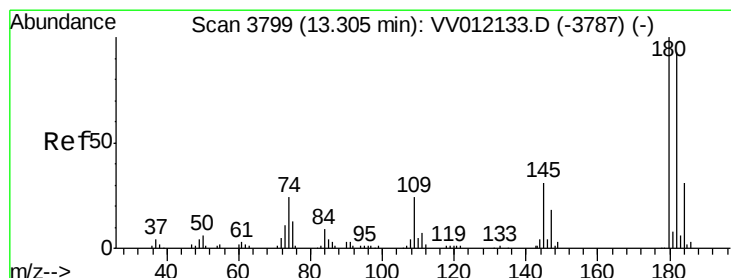
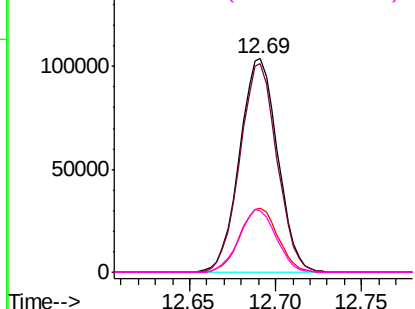
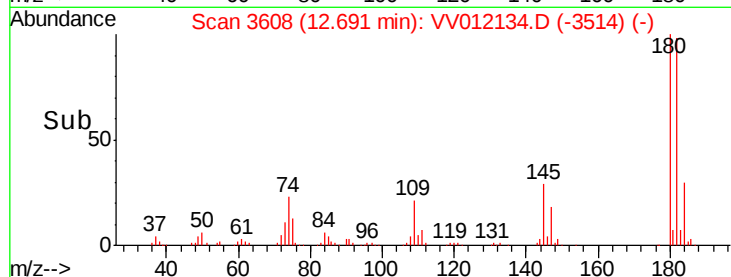
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

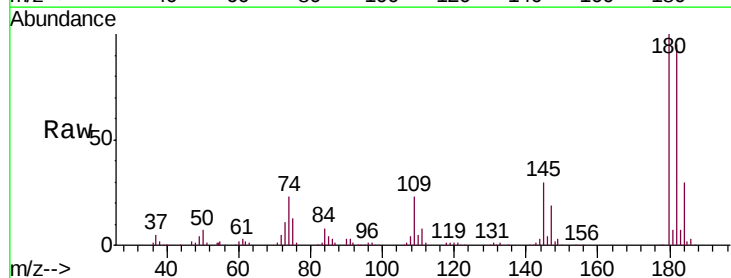
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.457 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012134.D
 Acq: 08 Aug 2019 19:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	115.0
145	29.1	23.4	35.2

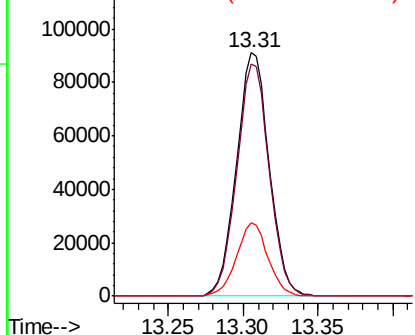
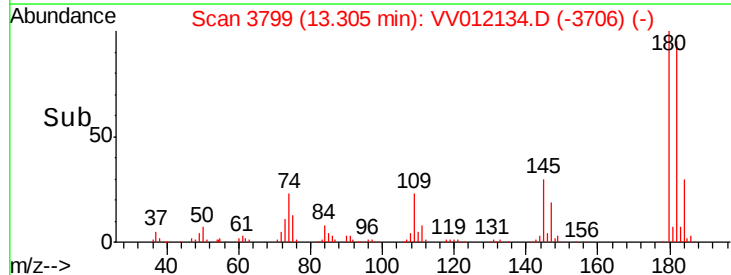


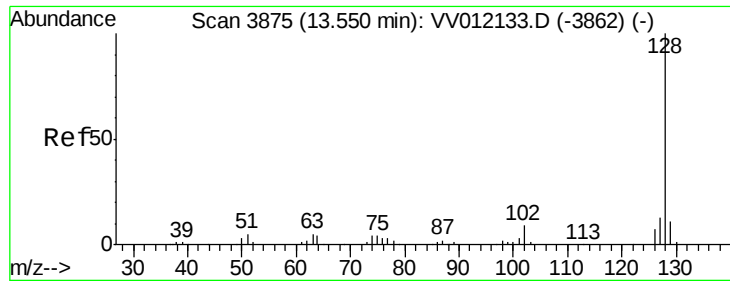
Abundance

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: 13.363 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD01031

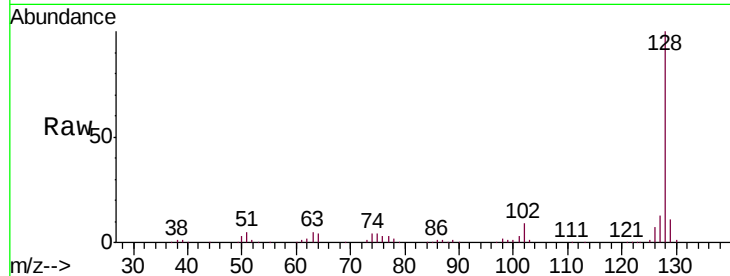
Tgt Ion:128 Resp: 225498

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

127 13.2 10.6 15.8

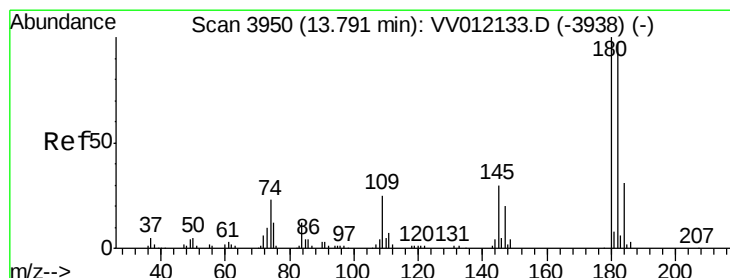
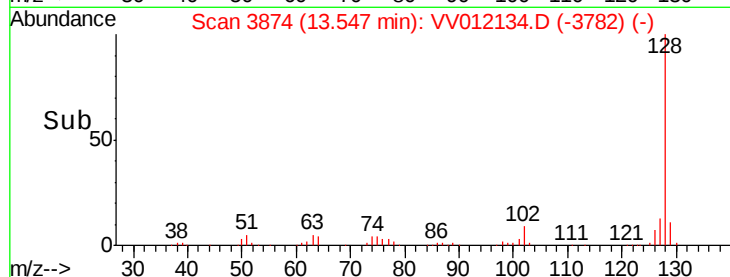
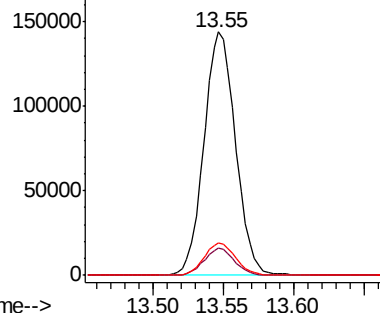


Abundance

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: 11.965 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012134.D

Acq: 08 Aug 2019 19:28

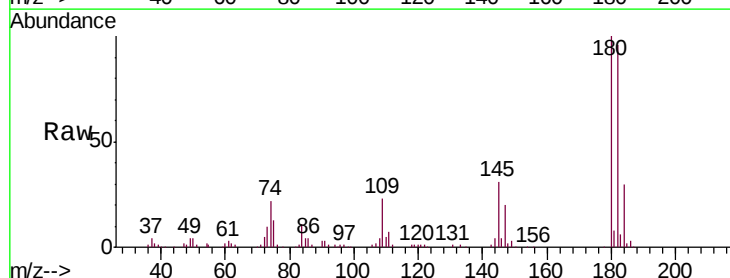
Tgt Ion:180 Resp: 129236

Ion Ratio Lower Upper

180 100

182 95.5 77.9 116.9

145 30.7 24.9 37.3



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

