

Data File : VV012907.D
Acq On : 18 Sep 2019 21:59
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Quant Time: Sep 19 05:09:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 07 11:41:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	394748	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	381254	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	186301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143226	6.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.20%
7) Chloroethane-d5	1.58	69	128134	8.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	163.60%#
11) 1,1-Dichloroethene-d2	2.13	63	226470	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.80%
20) 2-Butanone-d5	3.96	46	205656	40.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.06%
24) Chloroform-d	4.40	84	271892	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.08	65	130777	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	535106	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.12	67	167450	6.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.80%
41) Toluene-d8	7.36	98	484612	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.66	79	56581	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.14	63	248750	59.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.78%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	126122	6.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.20%#
66) 1,2-Dichlorobenzene-d4	11.67	152	170292	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	138951	3.089 ug/L	98
3) Chloromethane	1.25	50	134787	5.234 ug/L	100
5) Vinyl chloride	1.32	62	146191	5.549 ug/L	96
6) Bromomethane	1.54	94	75919	4.821 ug/L	97
8) Chloroethane	1.60	64	82256	5.745 ug/L	97
9) Trichlorofluoromethane	1.77	101	186778	4.144 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110634	5.651 ug/L	91
12) 1,1-Dichloroethene	2.14	96	100543	5.544 ug/L	93
13) Acetone	2.22	43	59449	21.290 ug/L	70
14) Carbon disulfide	2.32	76	214054	4.227 ug/L	99
15) Methyl Acetate	2.47	43	30217	5.266 ug/L	90
16) Methylene chloride	2.53	84	125524	6.749 ug/L	93
17) Methyl tert-butyl Ether	2.81	73	256797	4.504 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	106644	4.081 ug/L	96
19) 1,1-Dichloroethane	3.23	63	230965	4.943 ug/L	97
21) 2-Butanone	4.05	43	191589	34.774 ug/L #	66
22) cis-1,2-Dichloroethene	3.96	96	128655	4.624 ug/L	98

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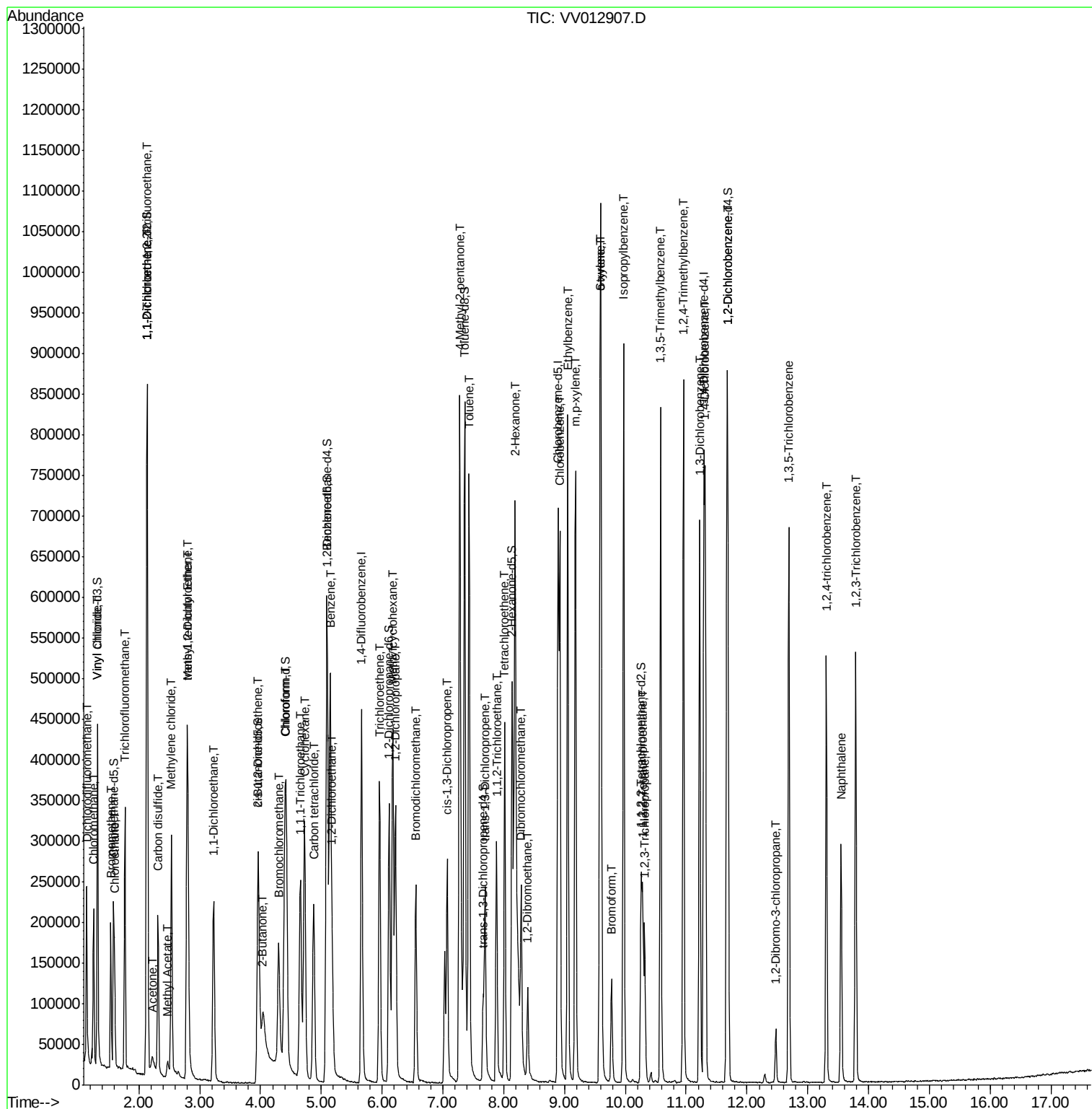
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	54181	4.440	ug/L	93
25) Chloroform	4.42	83	246783	4.212	ug/L	97
27) 1,2-Dichloroethane	5.18	62	131539	4.068	ug/L #	94
29) 1,1,1-Trichloroethane	4.66	97	192641	4.087	ug/L	97
30) Cyclohexane	4.73	56	163769	4.062	ug/L	93
31) Carbon tetrachloride	4.87	117	160680	3.789	ug/L	100
33) Benzene	5.15	78	492771	4.758	ug/L	100
34) Trichloroethene	5.96	95	126631	4.287	ug/L	98
35) Methylcyclohexane	6.18	83	170992	3.695	ug/L	96
37) 1,2-Dichloropropane	6.22	63	132321	5.523	ug/L	100
38) Bromodichloromethane	6.55	83	163272	4.826	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	164205	4.371	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	670234	49.591	ug/L	97
42) Toluene	7.43	91	537708	4.670	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	135773	4.470	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	91589	5.012	ug/L	93
47) Tetrachloroethene	8.02	164	102187	3.959	ug/L	98
48) 2-Hexanone	8.19	43	599163	62.728	ug/L	97
49) Dibromochloromethane	8.29	129	113417	5.062	ug/L	94
50) 1,2-Dibromoethane	8.40	107	80324	4.703	ug/L	100
51) Chlorobenzene	8.92	112	353074	4.586	ug/L	99
52) Ethylbenzene	9.05	91	564705	4.298	ug/L	100
53) m,p-xylene	9.18	106	213796	4.274	ug/L	99
54) o-xylene	9.59	106	207148	4.376	ug/L	97
55) Styrene	9.60	104	367786	4.611	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	111623	5.692	ug/L	100
59) Bromoform	9.77	173	59874	5.316	ug/L	96
60) Isopropylbenzene	9.97	105	567948	4.772	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	80125	5.901	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	434269	4.419	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	455577	4.666	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	283080	4.773	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	276953	4.582	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	266313	4.941	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.48	75	15462	5.523	ug/L	91
69) 1,3,5-Trichlorobenzene	12.69	180	213351	4.351	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	163424	4.212	ug/L	98
71) Naphthalene	13.55	128	233232	4.332	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	162508	4.725	ug/L	98

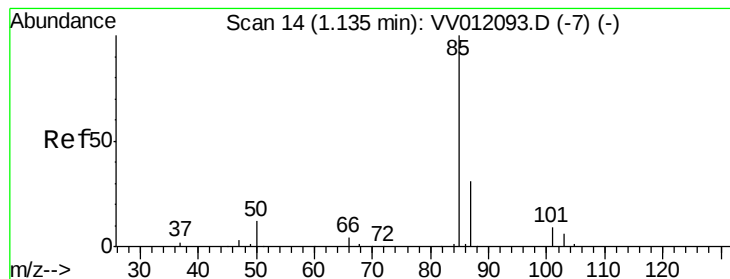
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.089 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

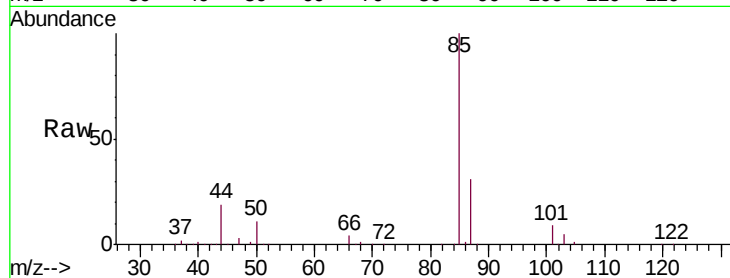
VSTD005001

Tgt Ion: 85 Resp: 138951

Ion Ratio Lower Upper

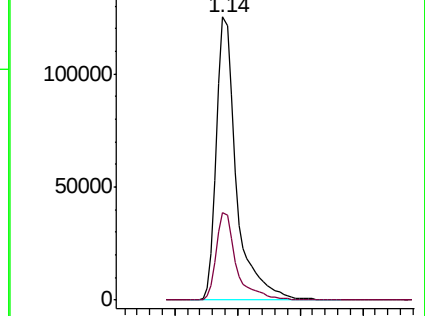
85 100

87 31.2 25.9 38.9

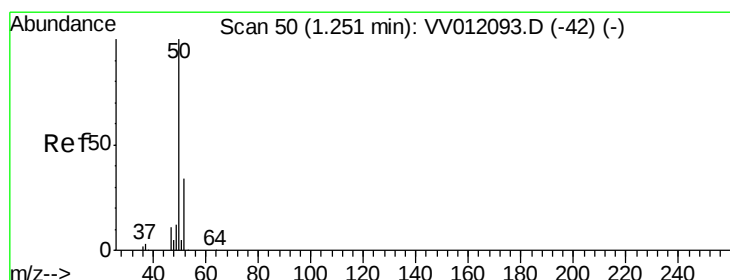
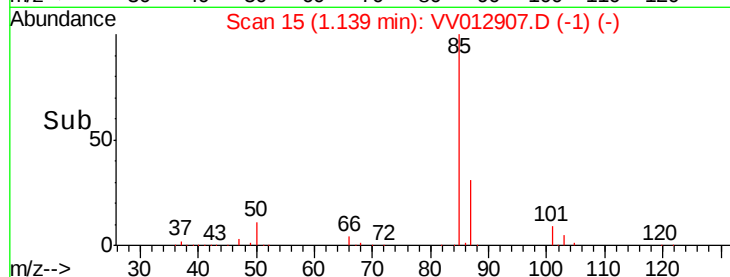


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 5.234 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012907.D

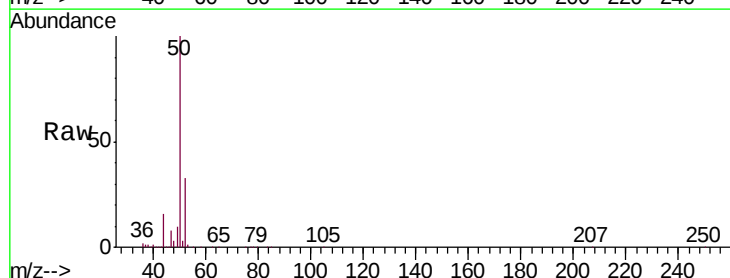
Acq: 18 Sep 2019 21:59

Tgt Ion: 50 Resp: 134787

Ion Ratio Lower Upper

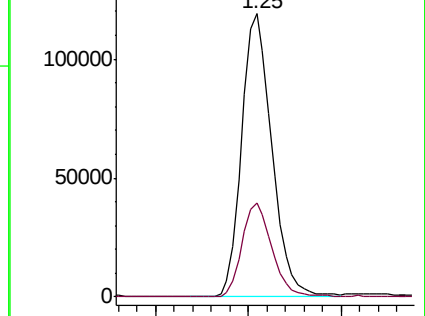
50 100

52 33.2 23.4 43.4

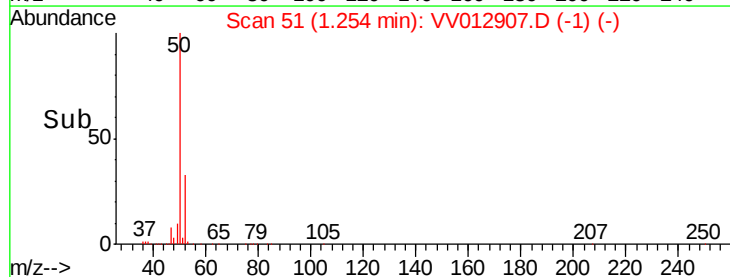


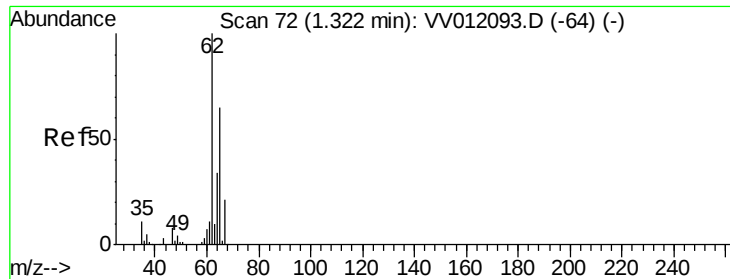
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 5.549 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012907.D

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Instrument :

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ClientSampleId :

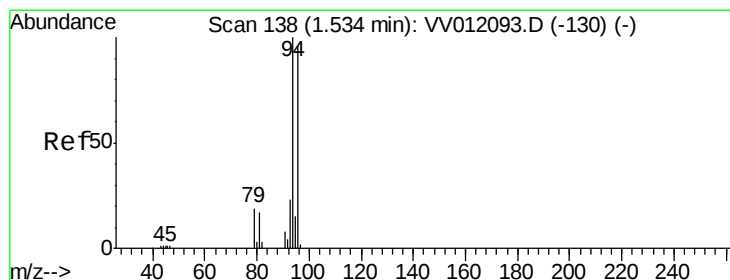
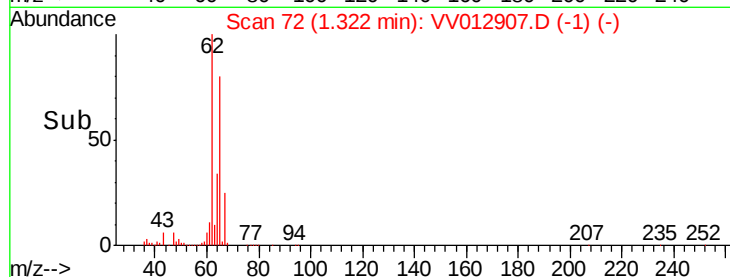
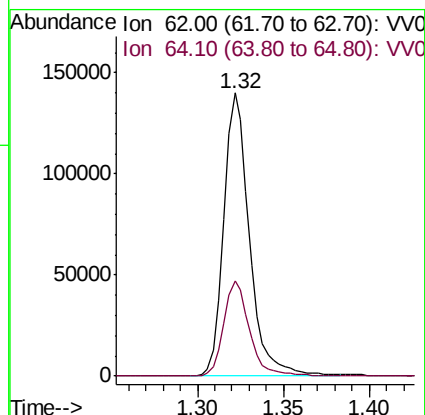
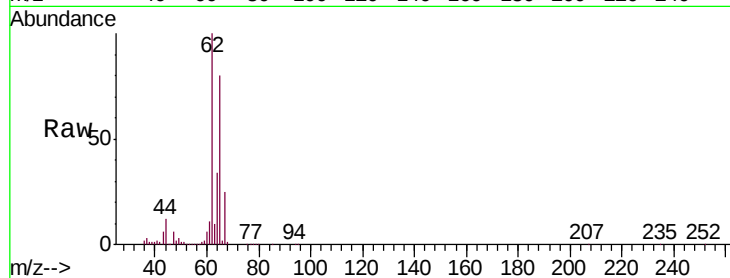
VSTD005001

Tgt Ion: 62 Resp: 146191

Ion Ratio Lower Upper

62 100

64 33.6 22.0 41.0



#6

Bromomethane

Concen: 4.821 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012907.D

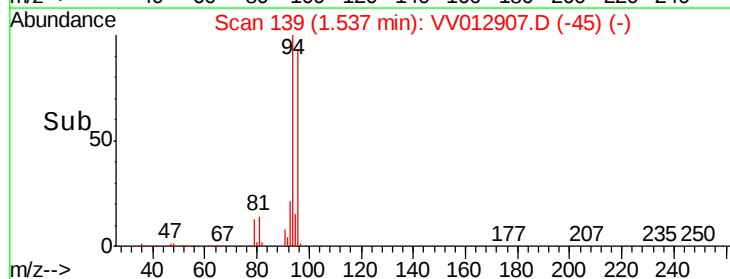
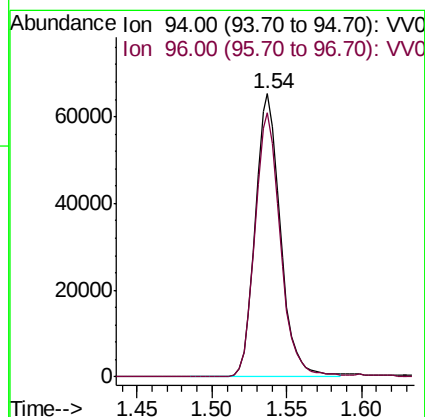
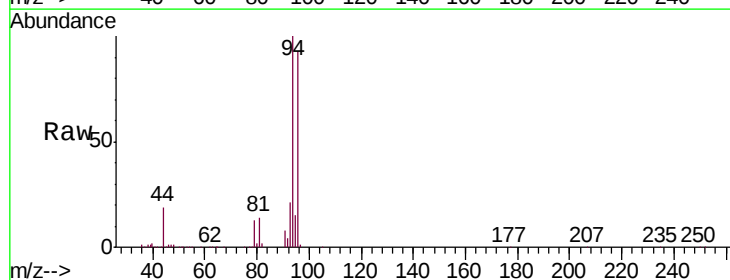
Acq: 18 Sep 2019 21:59

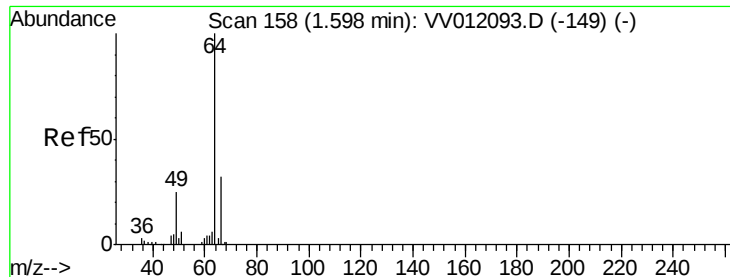
Tgt Ion: 94 Resp: 75919

Ion Ratio Lower Upper

94 100

96 93.4 67.8 125.8





#8

Chloroethane

Concen: 5.745 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

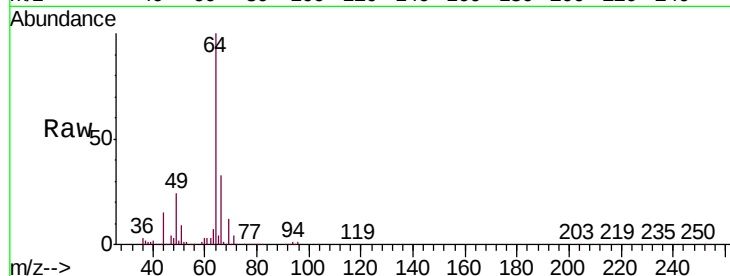
VSTD005001

Tgt Ion: 64 Resp: 82256

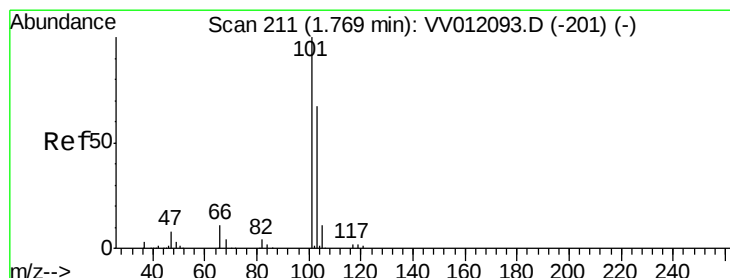
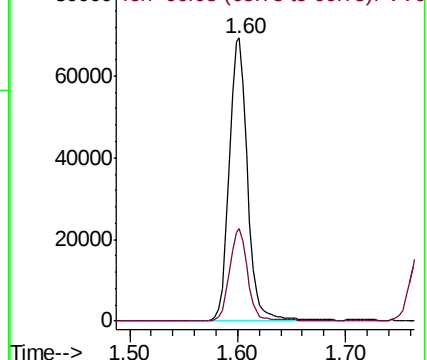
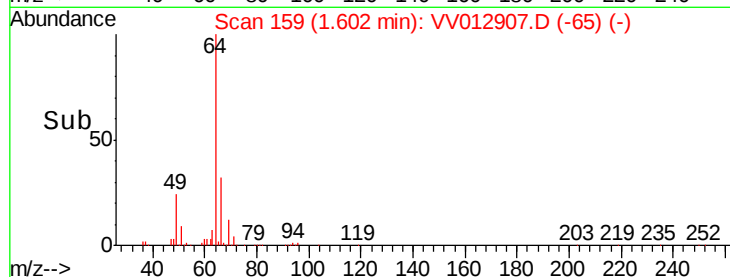
Ion Ratio Lower Upper

64 100

66 32.7 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012907.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 4.144 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012907.D

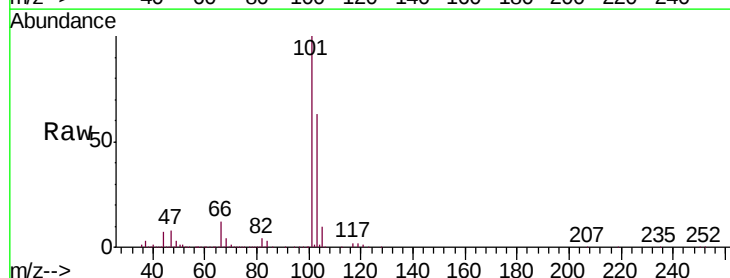
Acq: 18 Sep 2019 21:59

Tgt Ion: 101 Resp: 186778

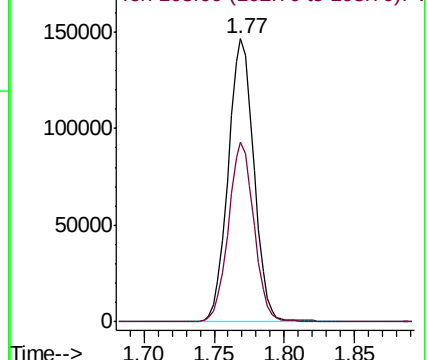
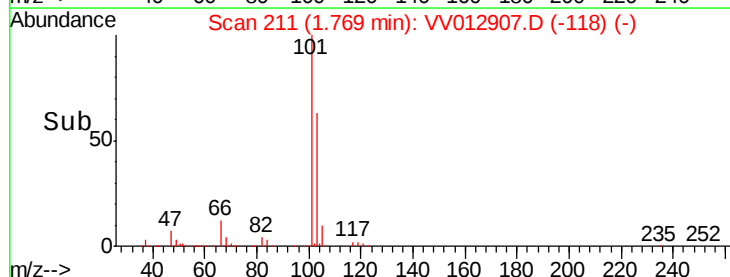
Ion Ratio Lower Upper

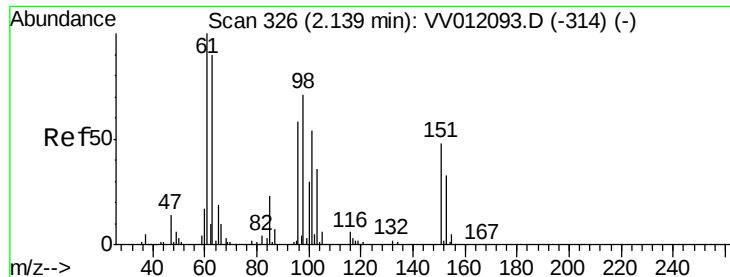
101 100

103 63.1 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012907.D (-118) (-)





#10

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

Concen: 5.651 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012907.D

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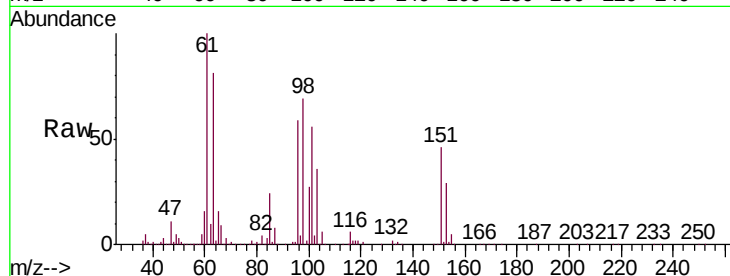
Tgt Ion:101 Resp: 110634

Ion Ratio Lower Upper

101 100

85 41.9 37.8 56.8

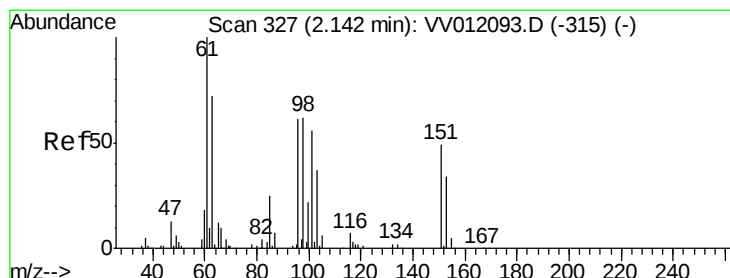
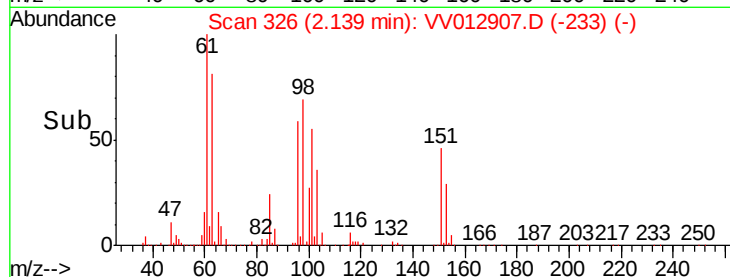
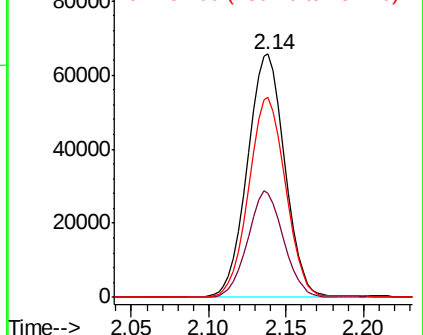
151 81.0 71.4 107.2



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: 5.544 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

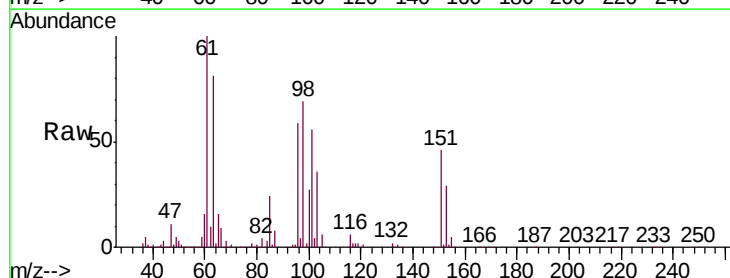
Tgt Ion: 96 Resp: 100543

Ion Ratio Lower Upper

96 100

61 168.2 127.8 237.4

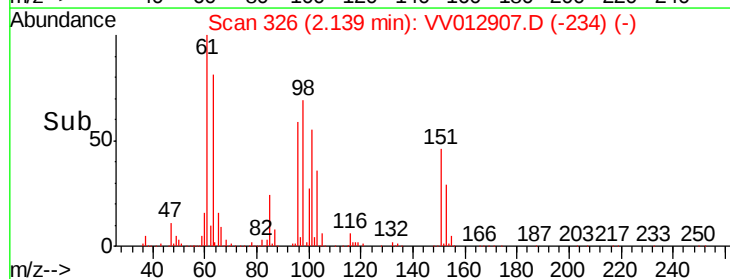
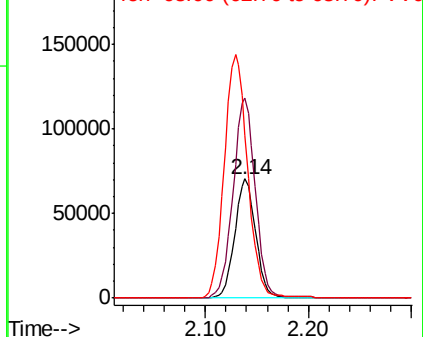
63 136.6 92.7 172.3

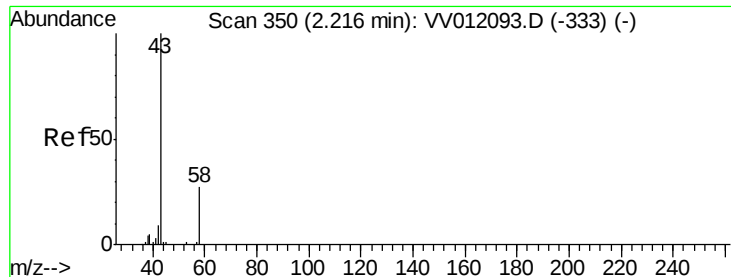


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 21.290 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

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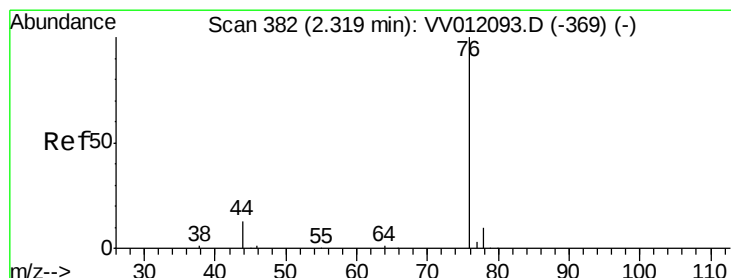
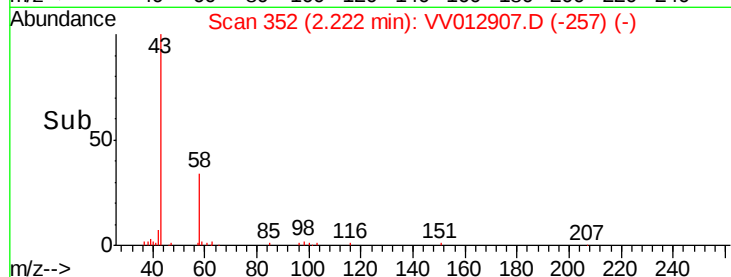
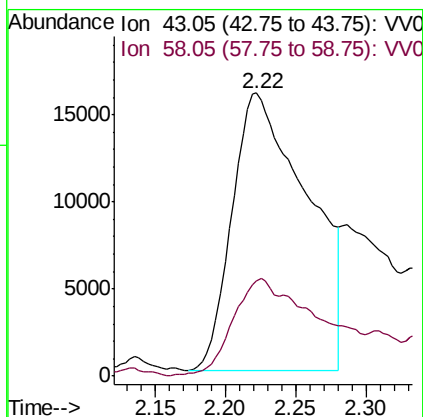
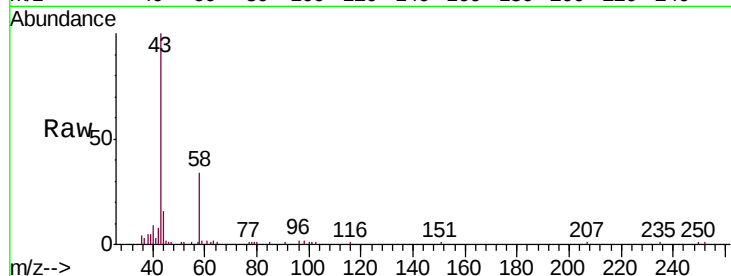
VSTD005001

Tgt Ion: 43 Resp: 59449

Ion Ratio Lower Upper

43 100

58 41.1 0.0 51.6



#14

Carbon disulfide

Concen: 4.227 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012907.D

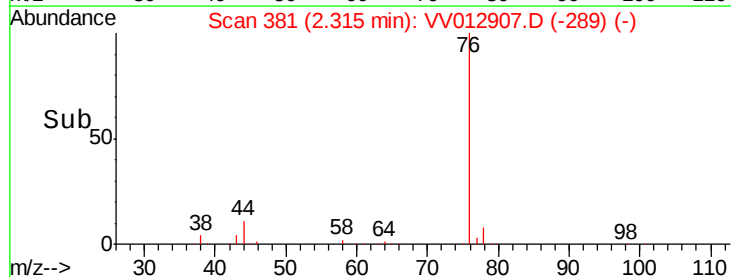
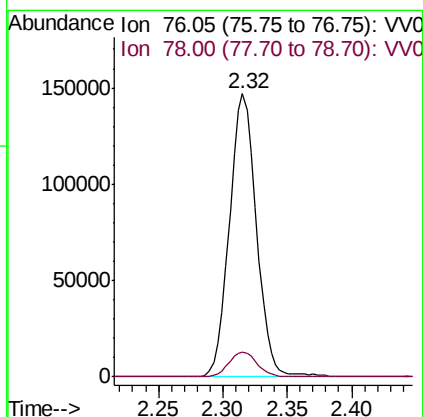
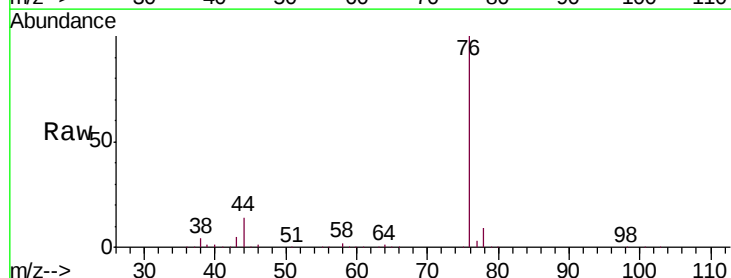
Acq: 18 Sep 2019 21:59

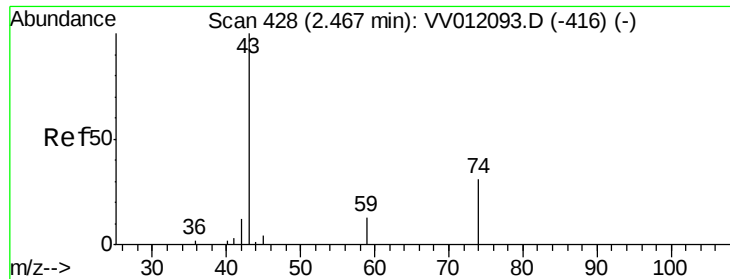
Tgt Ion: 76 Resp: 214054

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 5.266 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.01 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

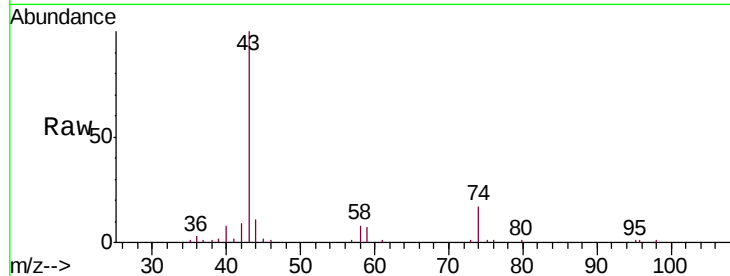
VSTD005001

Tgt Ion: 43 Resp: 30217

Ion Ratio Lower Upper

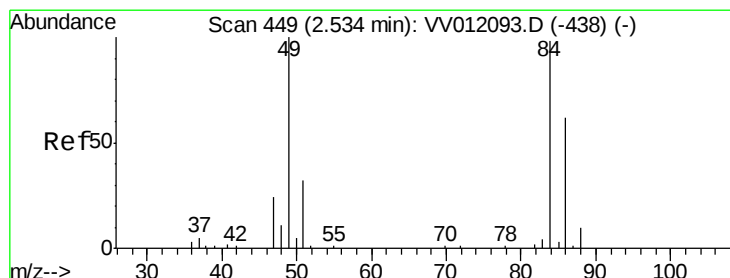
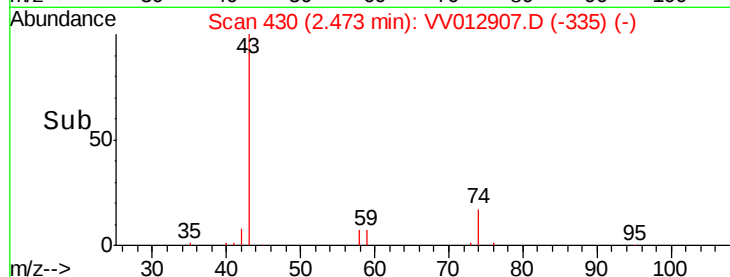
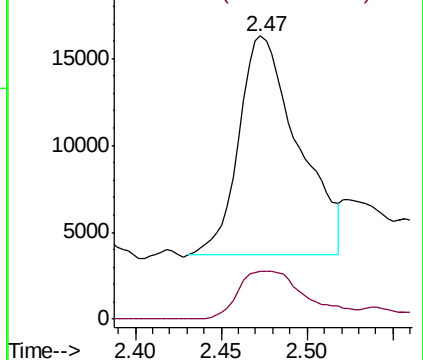
43 100

74 25.1 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 6.749 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

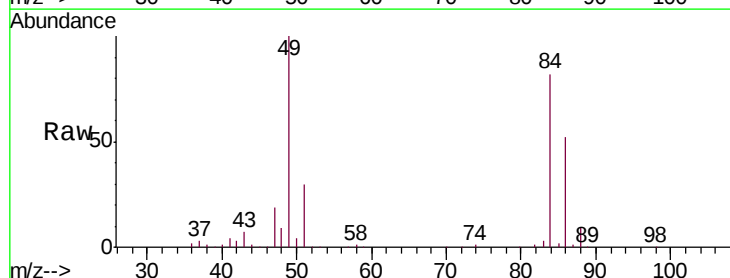
Tgt Ion: 84 Resp: 125524

Ion Ratio Lower Upper

84 100

86 63.1 44.9 83.3

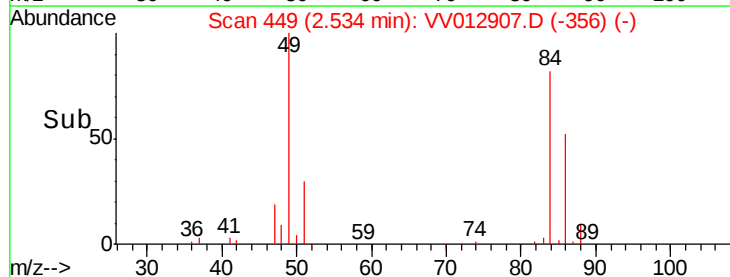
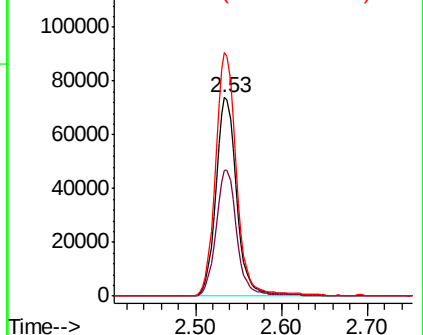
49 122.5 78.6 146.0

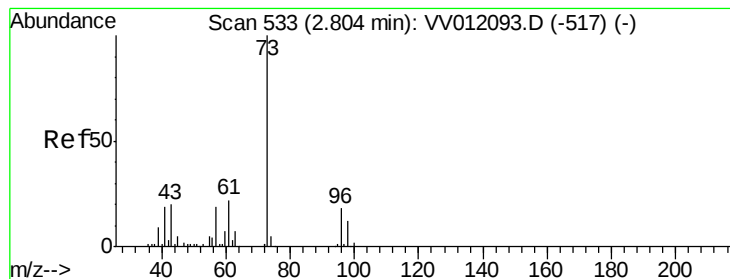


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 4.504 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

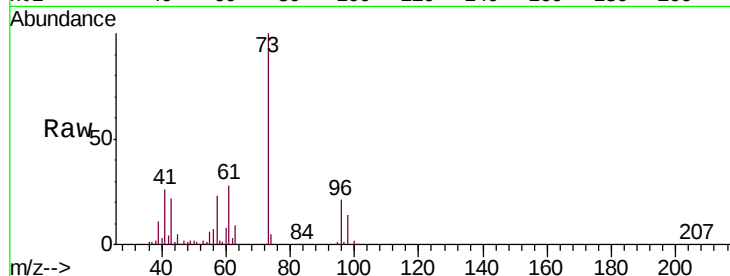
Tgt Ion: 73 Resp: 256797

Ion Ratio Lower Upper

73 100

43 20.2 17.6 26.4

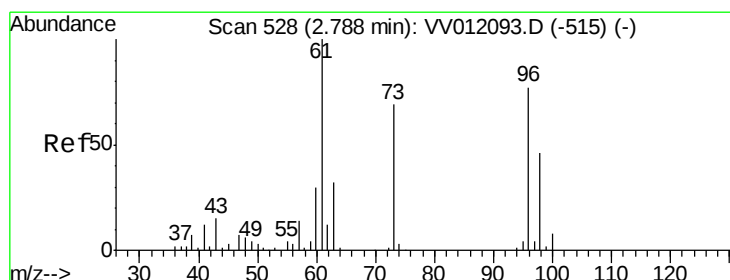
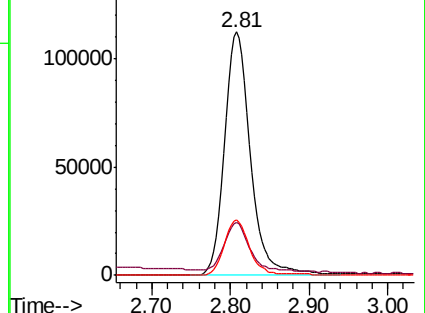
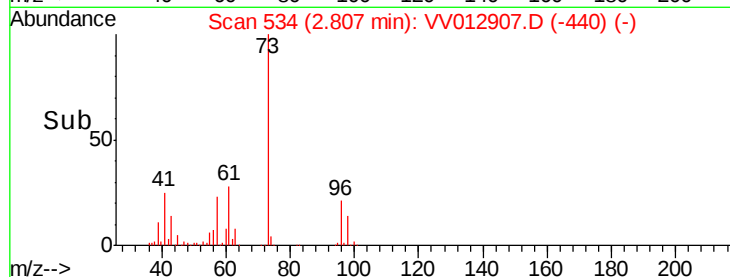
57 22.2 17.0 25.6



Abundance Ion 73.10 (72.80 to 73.80): VV012093.D (-517) (-)

Ion 43.05 (42.75 to 43.75): VV012093.D (-517) (-)

Ion 57.10 (56.80 to 57.80): VV012093.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.081 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

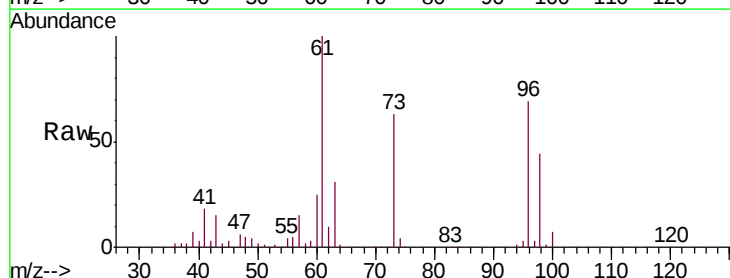
Tgt Ion: 96 Resp: 106644

Ion Ratio Lower Upper

96 100

61 145.3 97.2 180.6

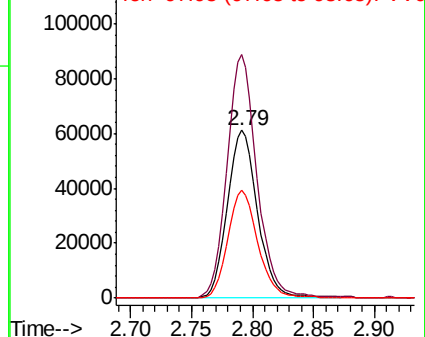
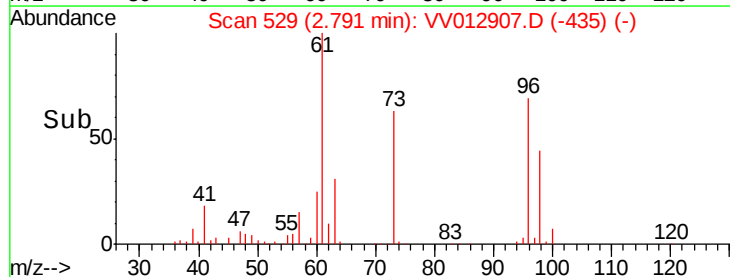
98 64.2 45.0 83.6

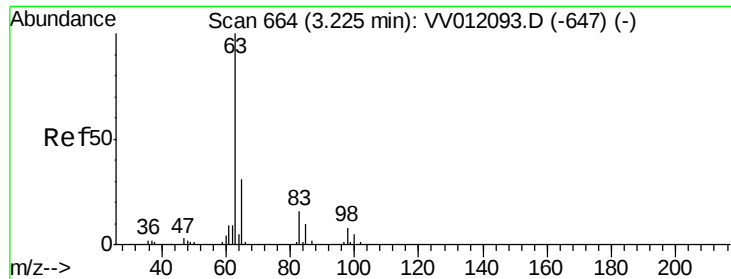


Abundance Ion 96.00 (95.70 to 96.70): VV012093.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV012093.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV012093.D (-515) (-)





#19

1,1-Dichloroethane

Concen: 4.943 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

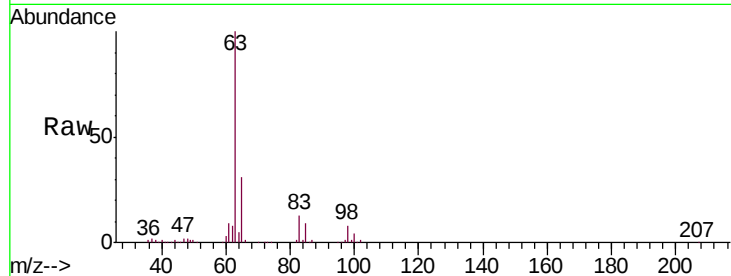
Tgt Ion: 63 Resp: 230965

Ion Ratio Lower Upper

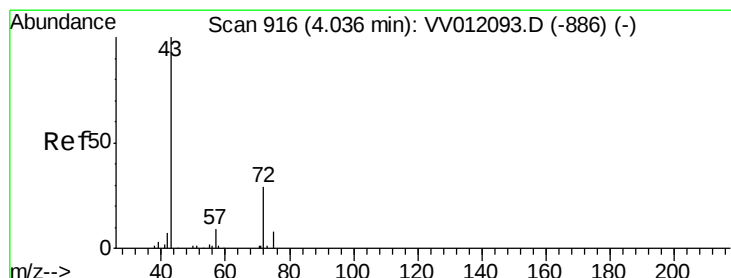
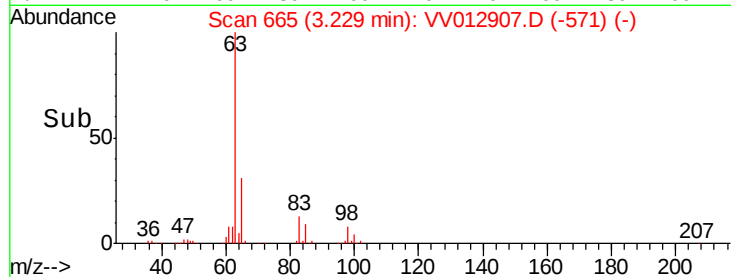
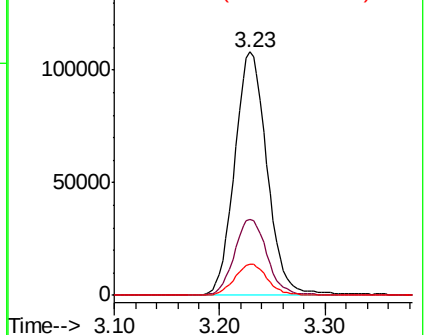
63 100

65 31.2 23.0 42.6

83 12.9 9.7 17.9



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: 34.774 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV012907.D

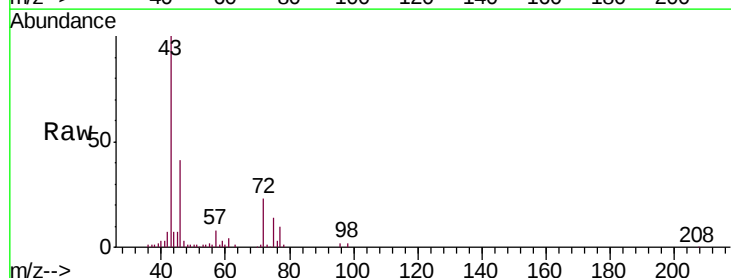
Acq: 18 Sep 2019 21:59

Tgt Ion: 43 Resp: 191589

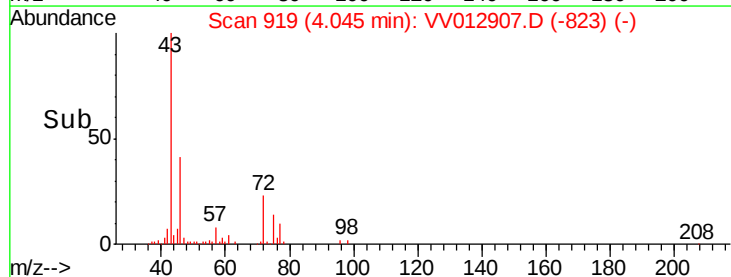
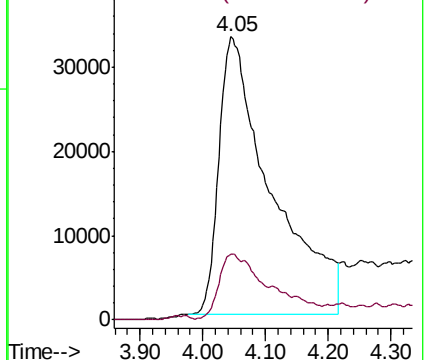
Ion Ratio Lower Upper

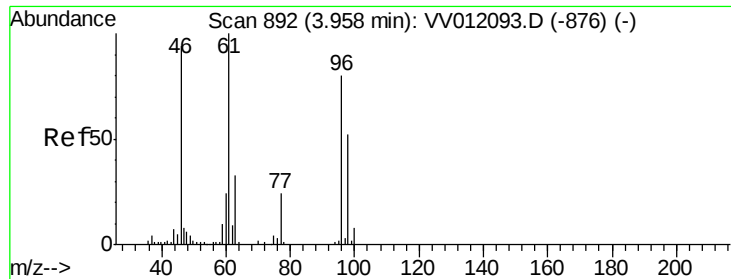
43 100

72 9.4 13.4 40.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



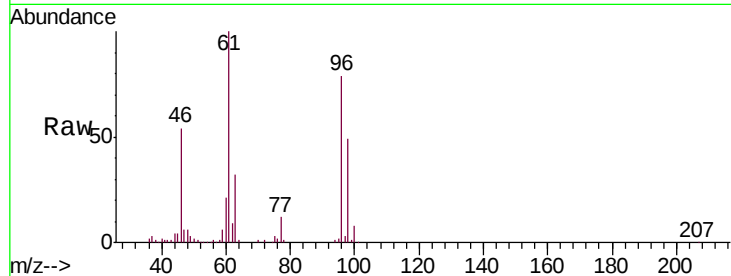


#22

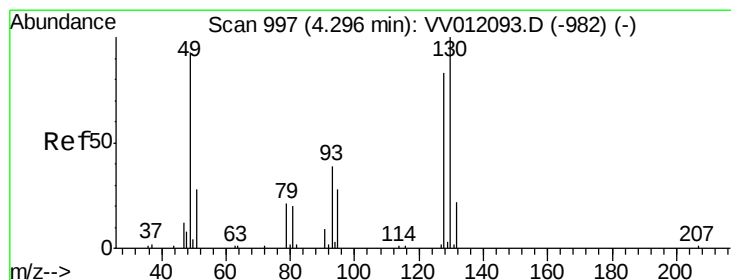
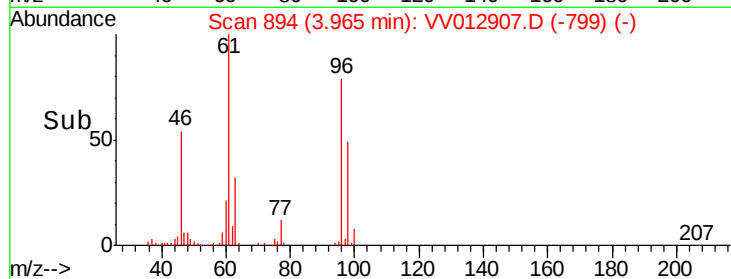
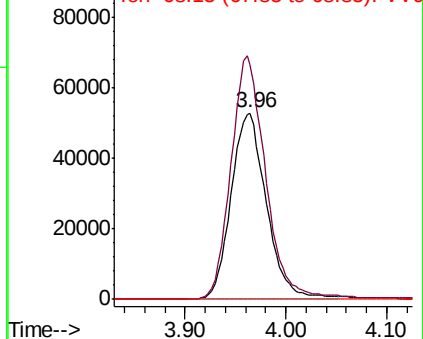
cis-1,2-Dichloroethene
 Concen: 4.624 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion: 96 Resp: 128655
 Ion Ratio Lower Upper
 96 100
 61 126.0 90.0 167.2
 68 0.0 0.0 0.0



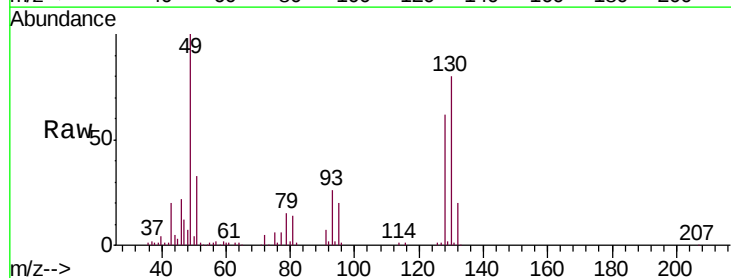
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



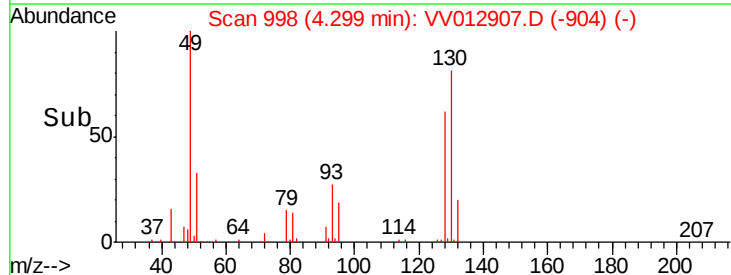
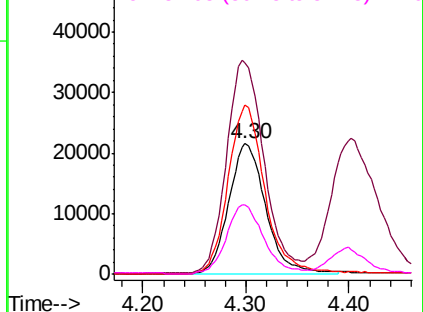
#23

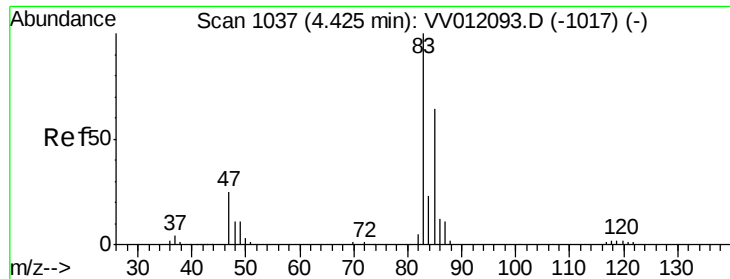
Bromochloromethane
 Concen: 4.440 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 128 Resp: 54181
 Ion Ratio Lower Upper
 128 100
 49 162.3 105.1 195.1
 130 129.0 88.9 165.1
 51 53.3 36.2 54.2



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

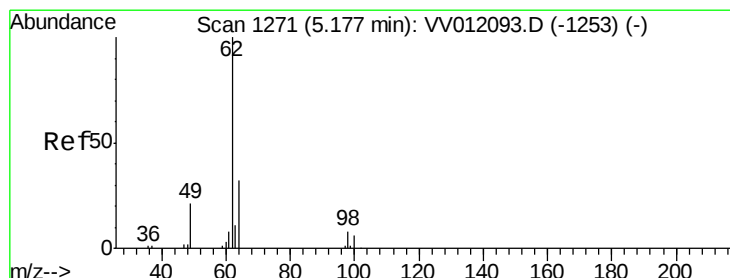
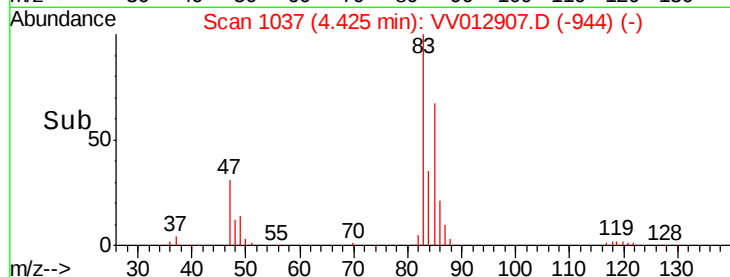
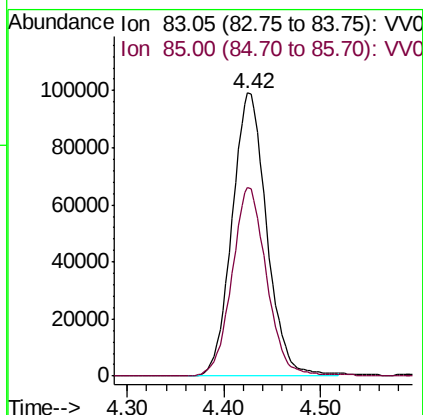
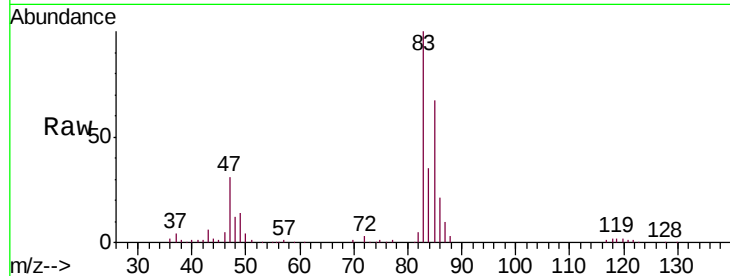




#25
Chloroform
Concen: 4.212 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

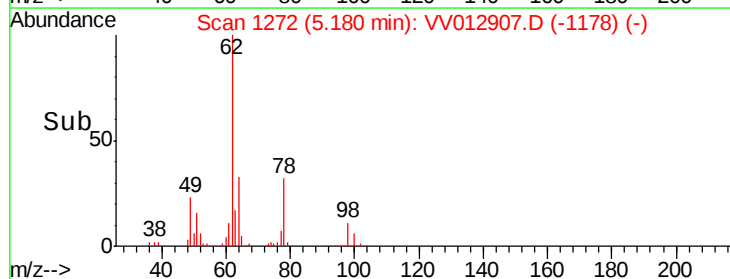
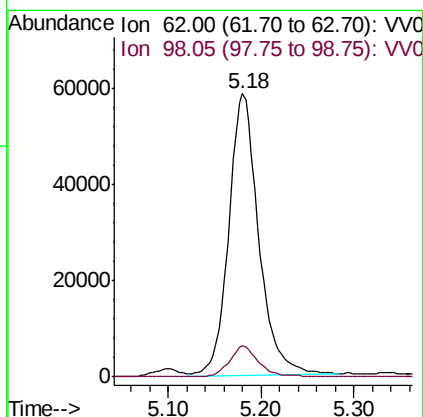
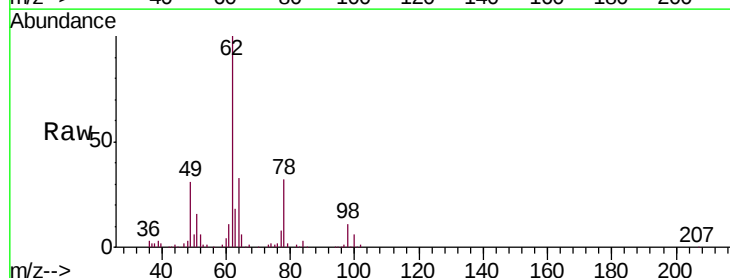
Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

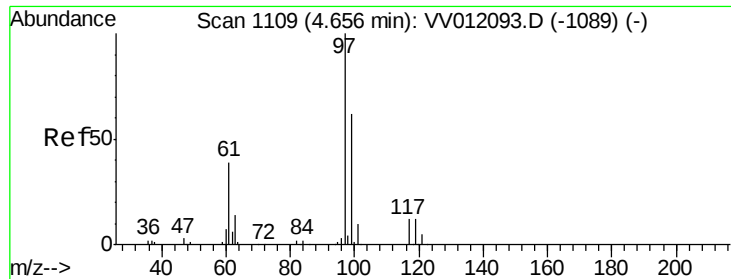
Tgt Ion: 83 Resp: 246783
Ion Ratio Lower Upper
83 100
85 66.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.068 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Tgt Ion: 62 Resp: 131539
Ion Ratio Lower Upper
62 100
98 11.0 7.0 10.6#

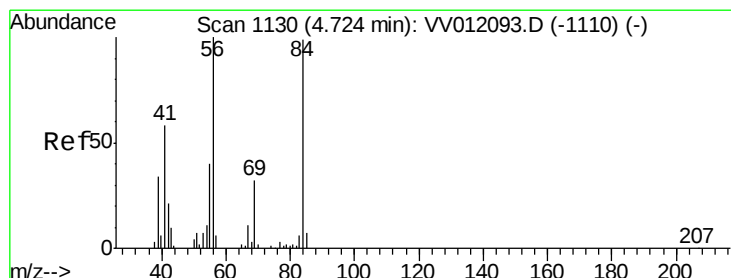
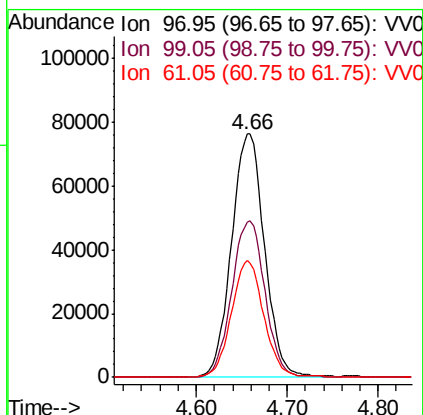
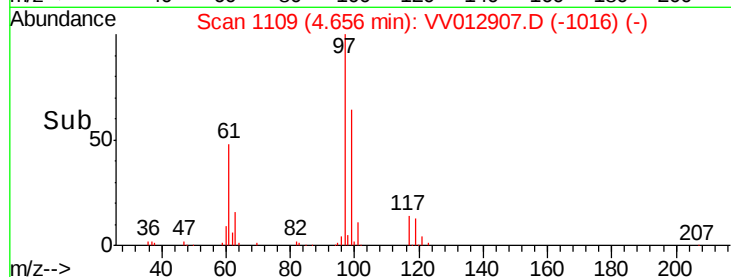
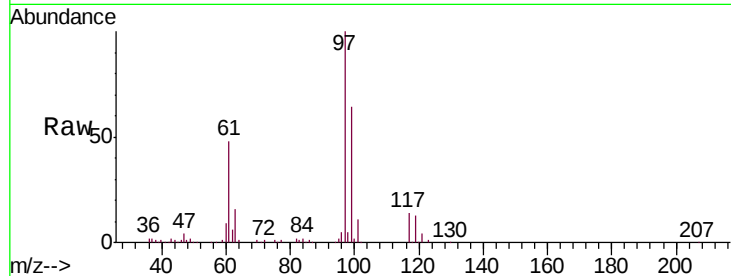




#29
 1,1,1-Trichloroethane
 Concen: 4.087 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

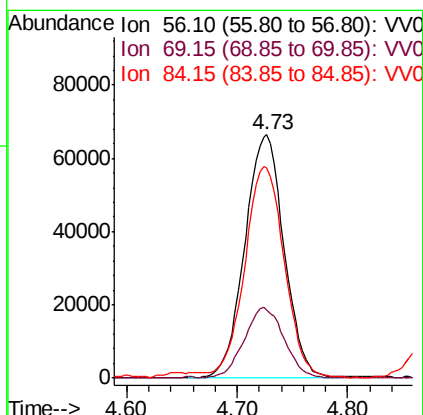
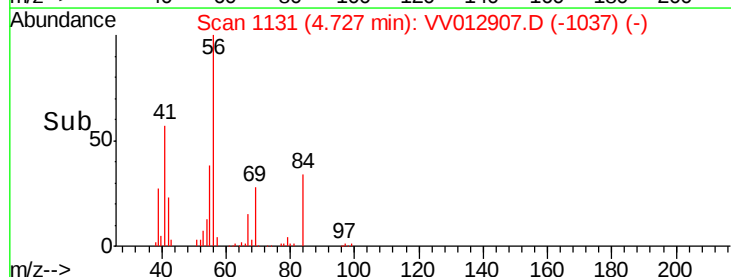
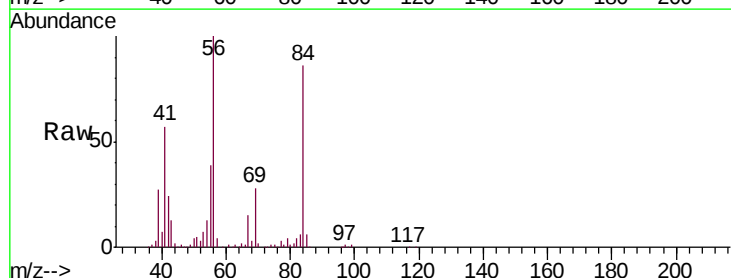
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

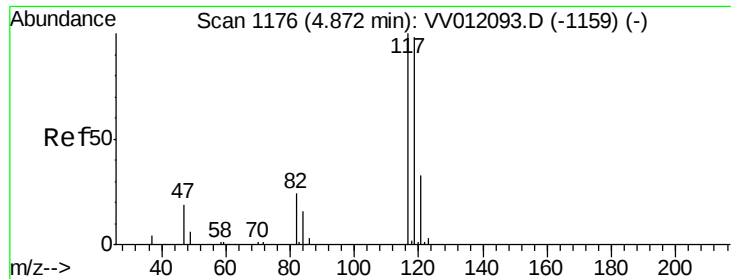
Tgt Ion: 97 Resp: 192641
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.8 77.8
 61 47.3 34.5 51.7



#30
 Cyclohexane
 Concen: 4.062 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 56 Resp: 163769
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.8 37.2
 84 86.7 75.4 113.2





#31

Carbon tetrachloride

Concen: 3.789 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

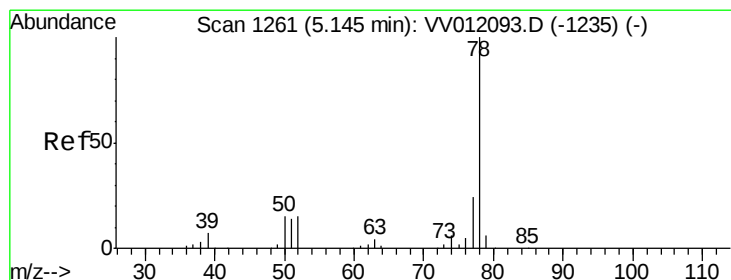
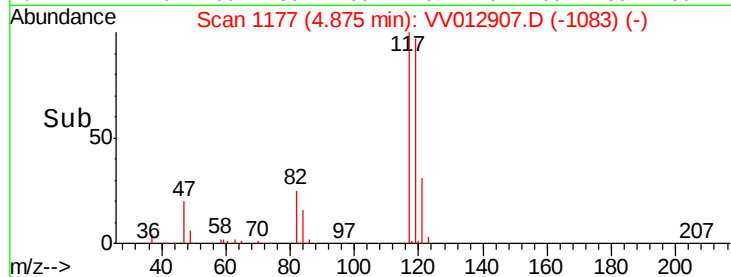
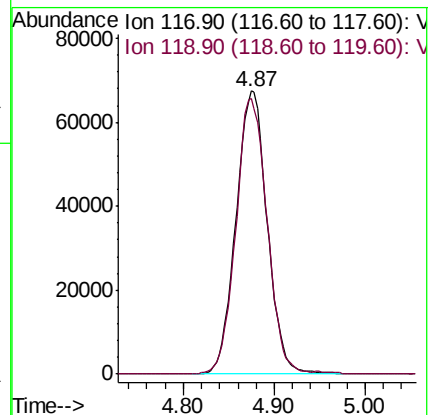
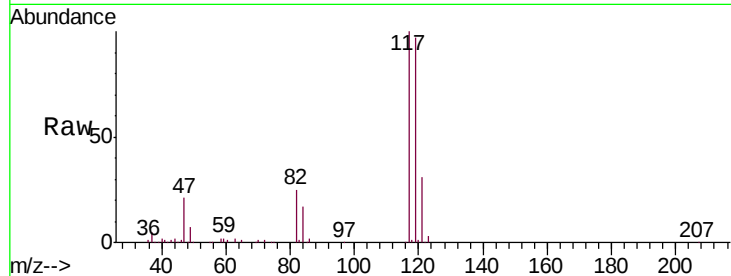
VSTD005001

Tgt Ion:117 Resp: 160680

Ion Ratio Lower Upper

117 100

119 97.4 77.7 116.5



#33

Benzene

Concen: 4.758 ug/L

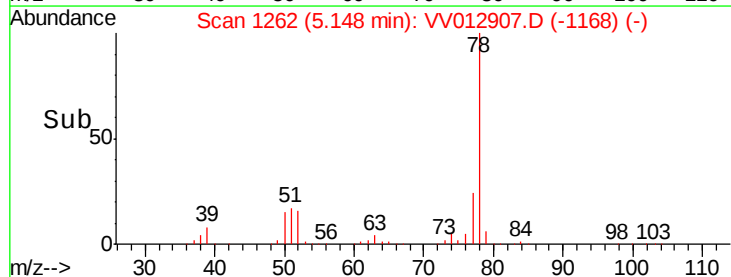
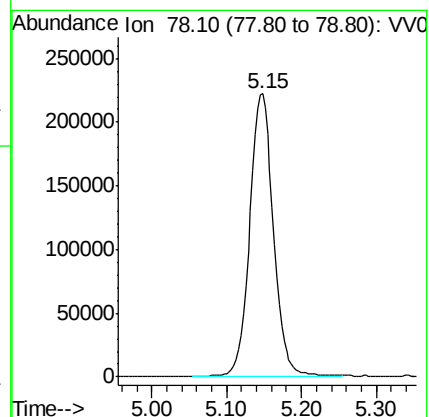
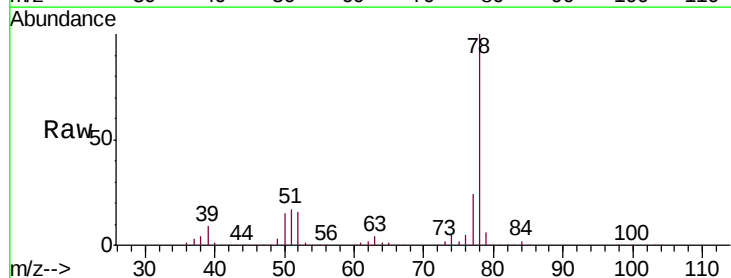
RT: 5.15 min Scan# 1262

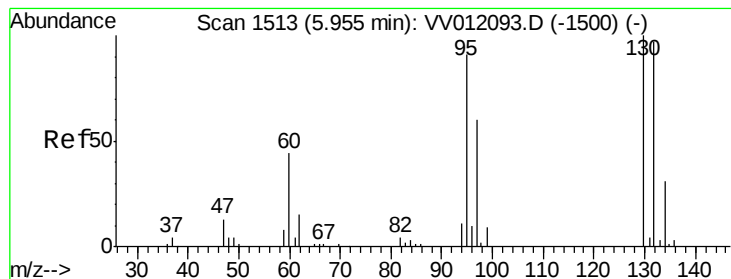
Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Tgt Ion: 78 Resp: 492771





#34

Trichloroethene

Concen: 4.287 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

Tgt Ion: 95 Resp: 126631

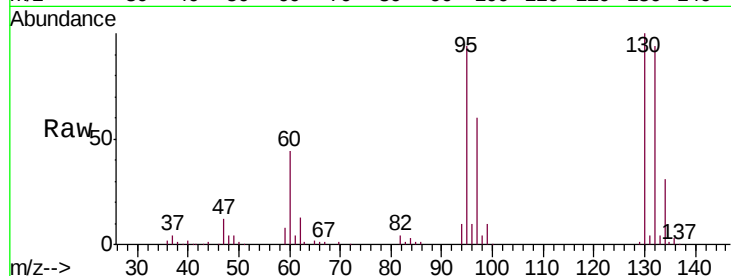
Ion Ratio Lower Upper

95 100

97 64.0 42.8 79.6

132 99.7 70.8 131.6

130 105.9 72.3 134.3



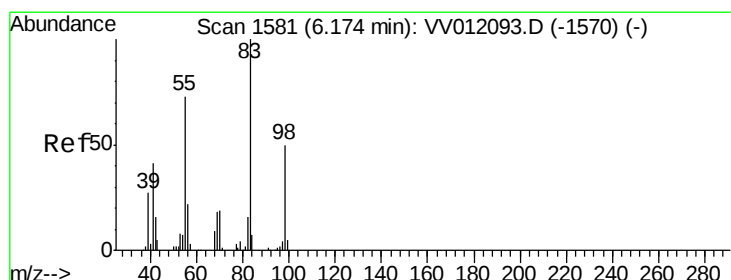
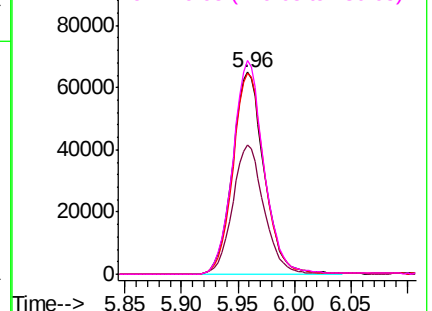
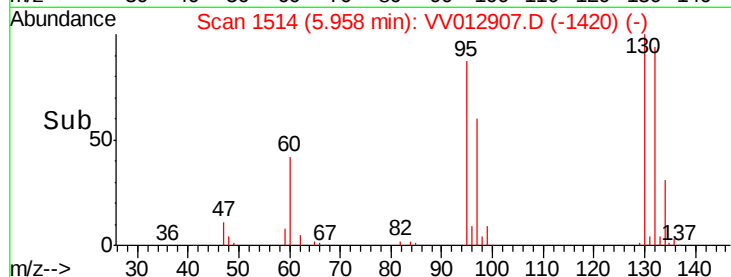
Abundance

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: 3.695 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

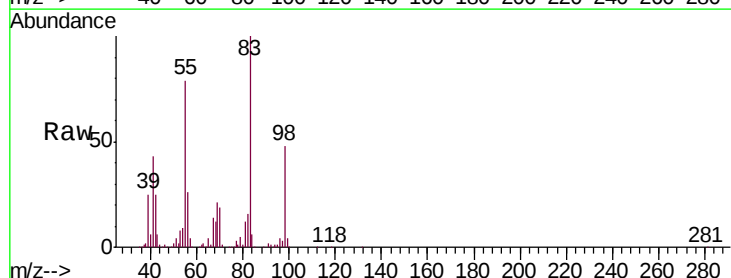
Tgt Ion: 83 Resp: 170992

Ion Ratio Lower Upper

83 100

55 77.7 60.1 90.1

98 47.2 40.2 60.4

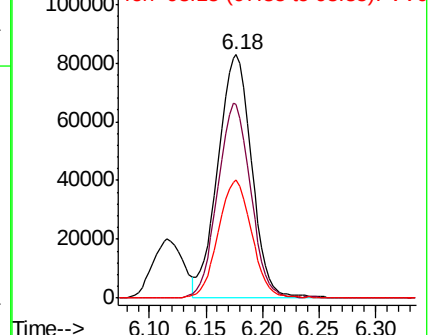
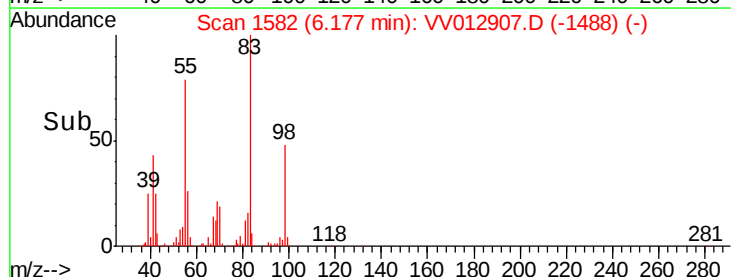


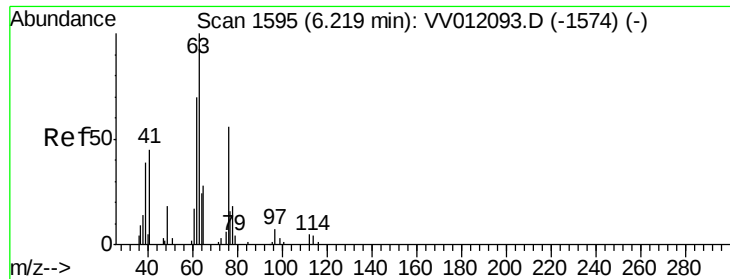
Abundance

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

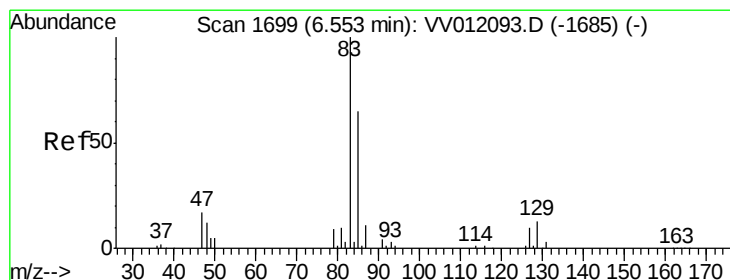
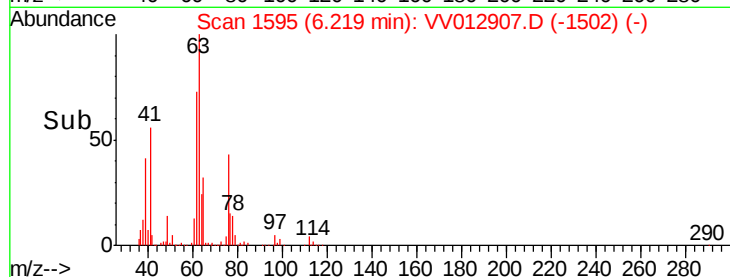
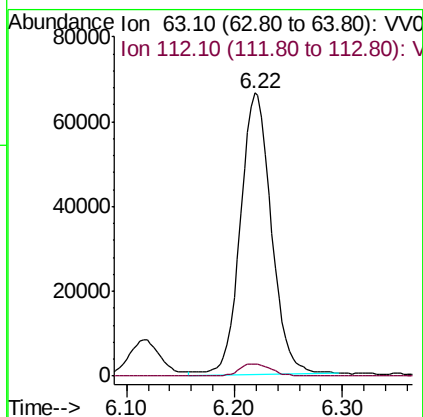
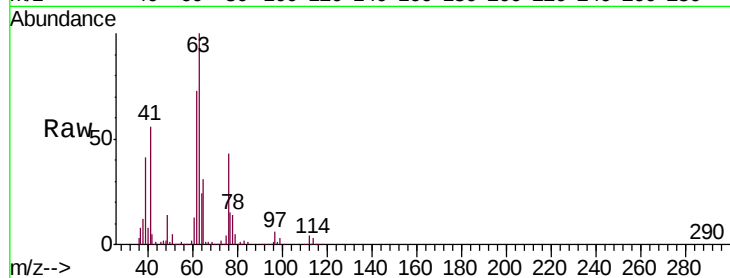




#37
 1,2-Dichloropropane
 Concen: 5.523 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

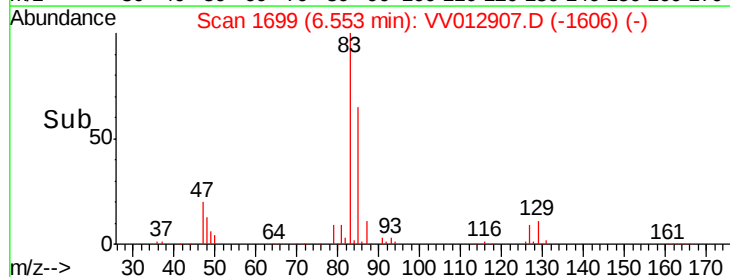
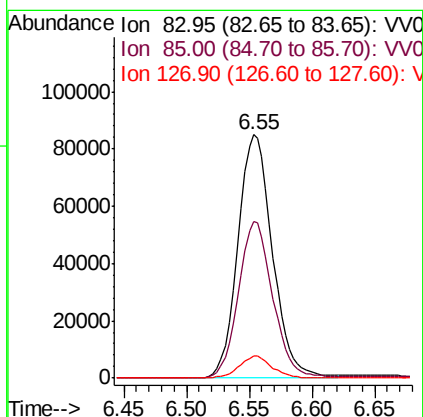
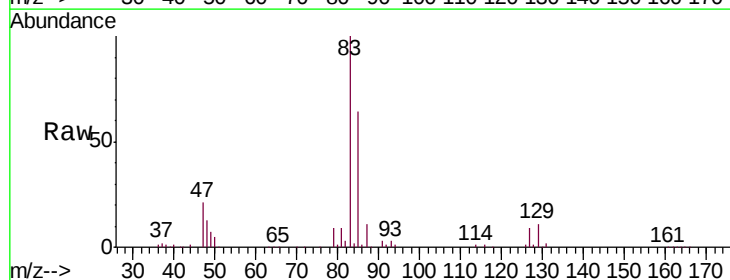
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

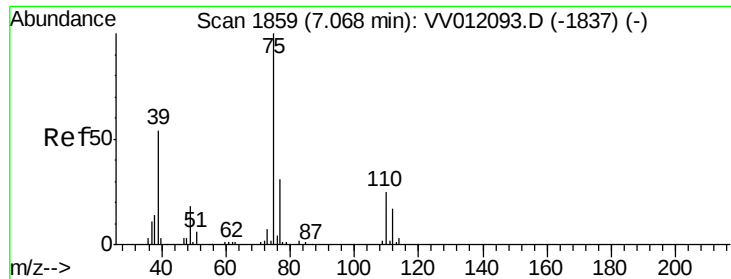
Tgt Ion: 63 Resp: 132321
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.826 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 83 Resp: 163272
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.9 81.5
 127 9.0 6.9 10.3

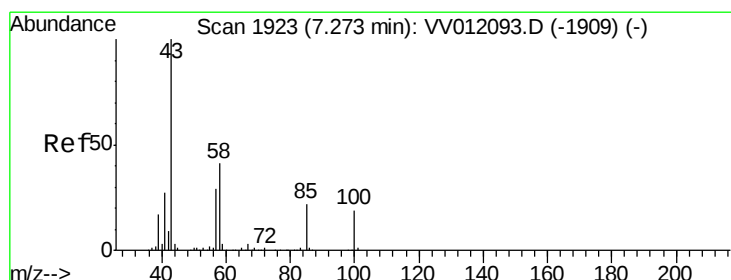
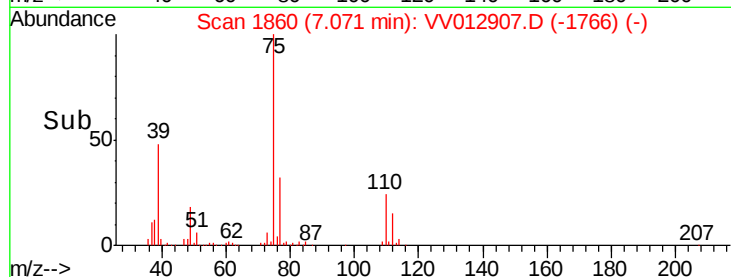
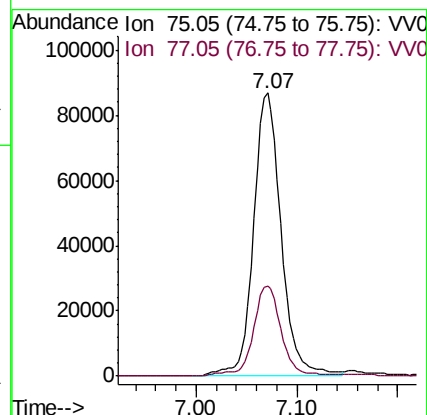
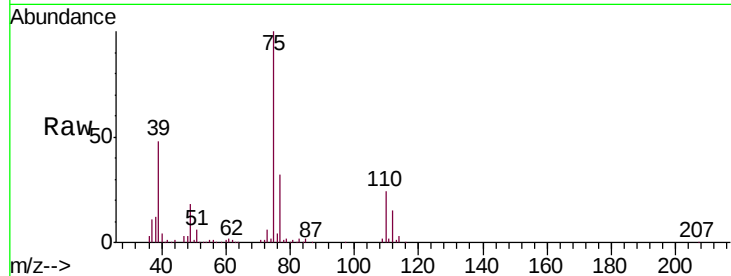




#39
 cis-1,3-Dichloropropene
 Concen: 4.371 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

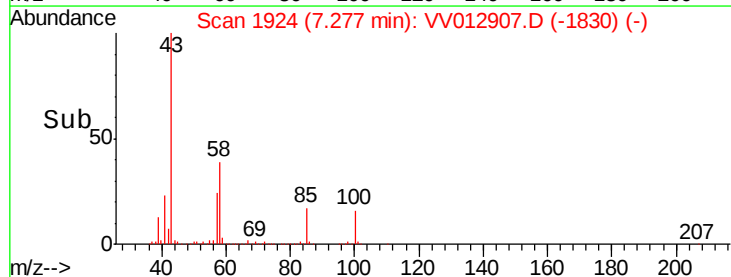
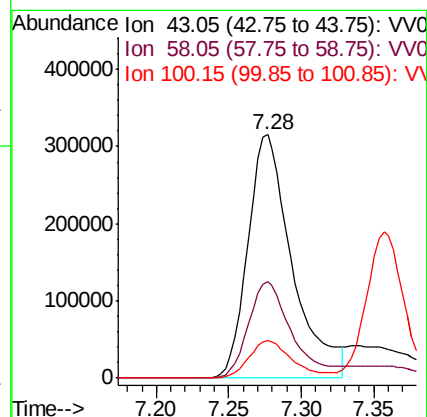
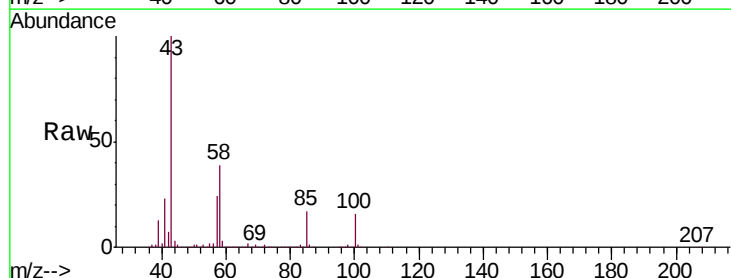
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

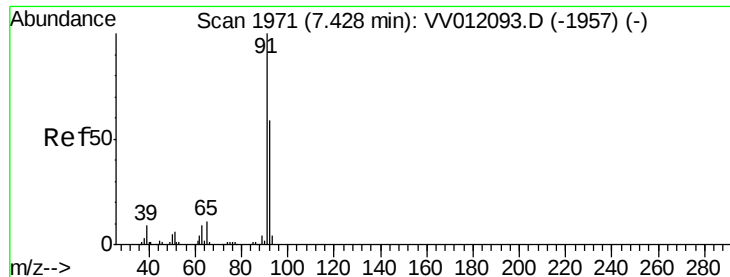
Tgt Ion: 75 Resp: 164205
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 49.591 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 43 Resp: 670234
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.9 47.9
 100 15.2 14.0 21.0





#42

Toluene

Concen: 4.670 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

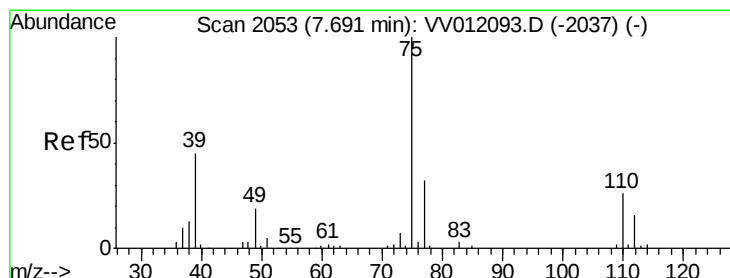
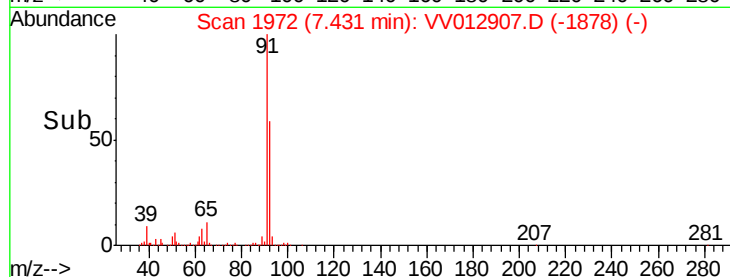
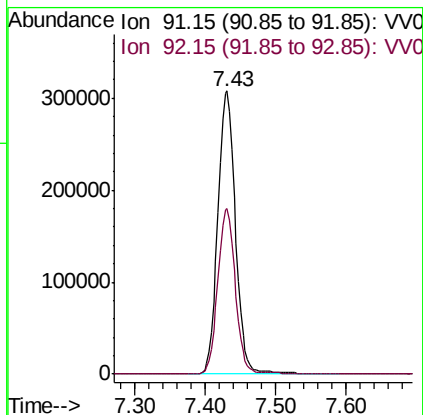
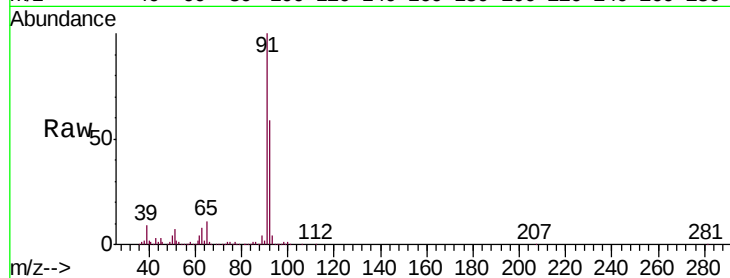
VSTD005001

Tgt Ion: 91 Resp: 537708

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.470 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012907.D

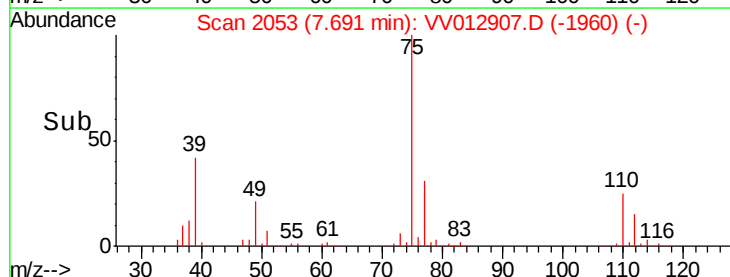
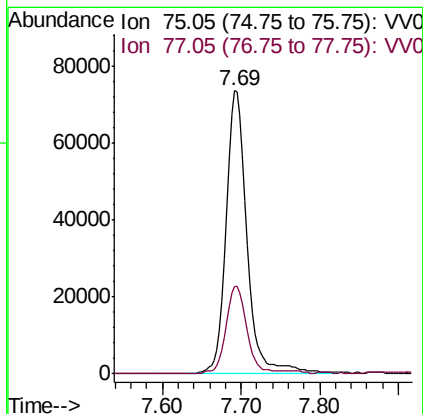
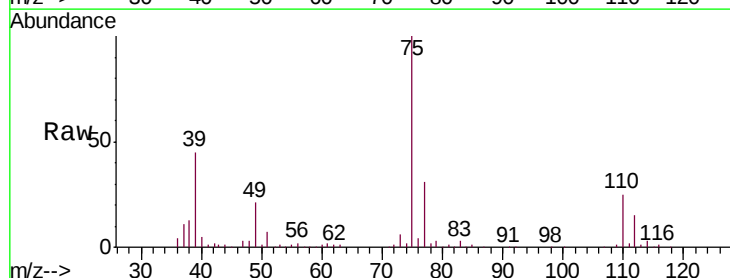
Acq: 18 Sep 2019 21:59

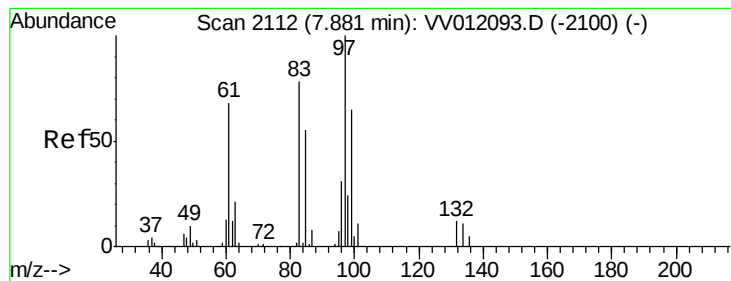
Tgt Ion: 75 Resp: 135773

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.012 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

Tgt Ion: 97 Resp: 91589

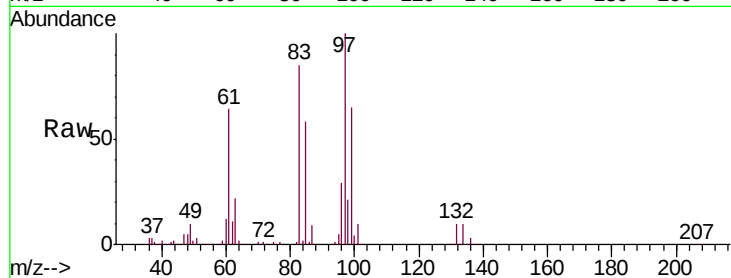
Ion Ratio Lower Upper

97 100

99 64.7 42.0 78.0

83 85.2 57.6 107.0

85 58.2 34.6 64.2

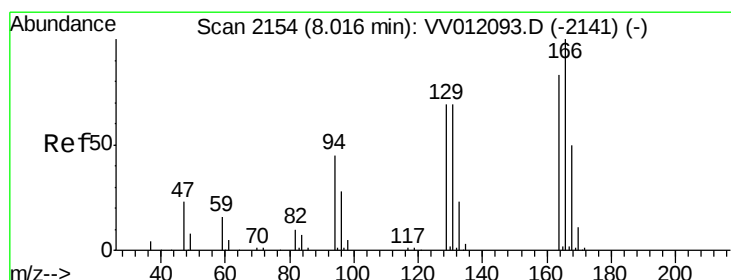
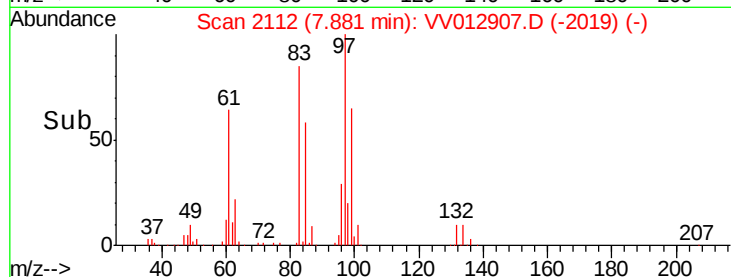
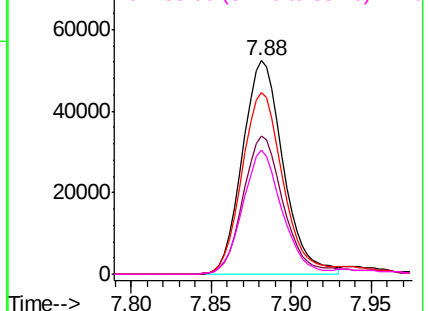


Abundance Ion 96.95 (96.65 to 97.65): VV012093.D (-2100) (-)

Ion 99.05 (98.75 to 99.75): VV012093.D (-2100) (-)

Ion 82.95 (82.65 to 83.65): VV012093.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012093.D (-2100) (-)



#47

Tetrachloroethene

Concen: 3.959 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Tgt Ion: 164 Resp: 102187

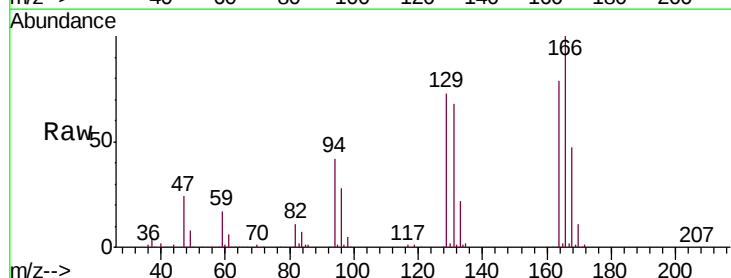
Ion Ratio Lower Upper

164 100

129 92.7 61.9 114.9

131 85.5 59.4 110.4

166 126.3 89.6 166.4

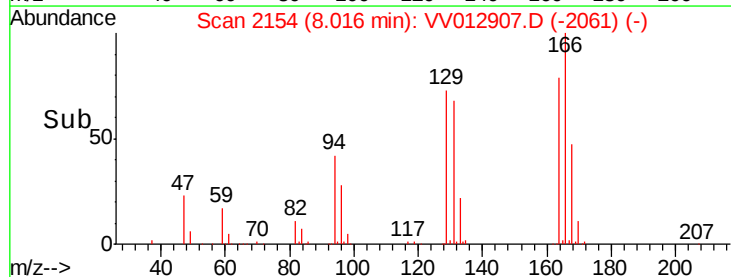
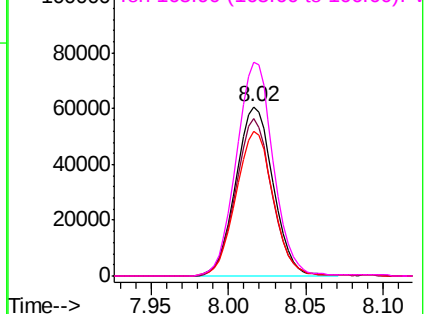


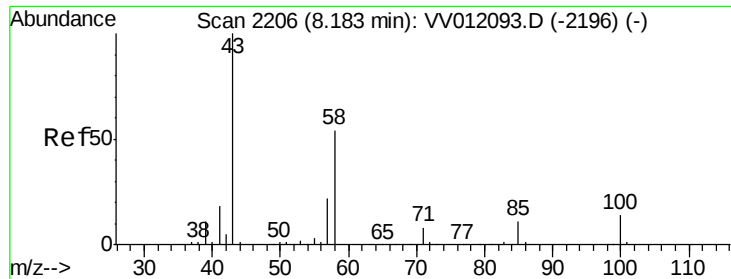
Abundance Ion 163.90 (163.60 to 164.60): VV012093.D (-2141) (-)

Ion 128.95 (128.65 to 129.65): VV012093.D (-2141) (-)

Ion 130.95 (130.65 to 131.65): VV012093.D (-2141) (-)

Ion 165.90 (165.60 to 166.60): VV012093.D (-2141) (-)

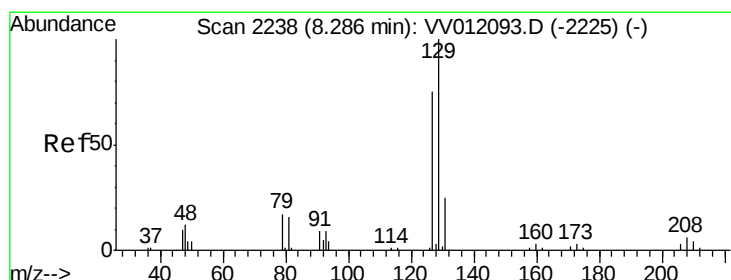
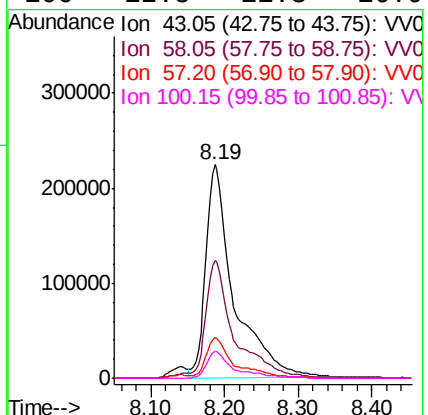
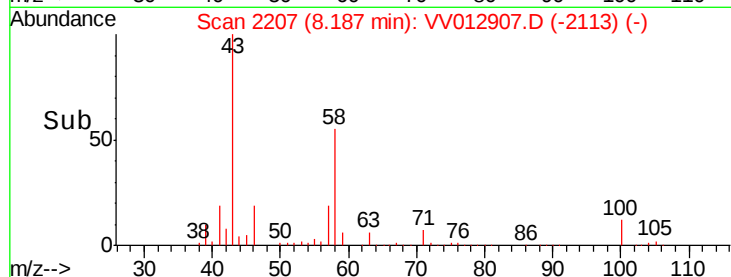
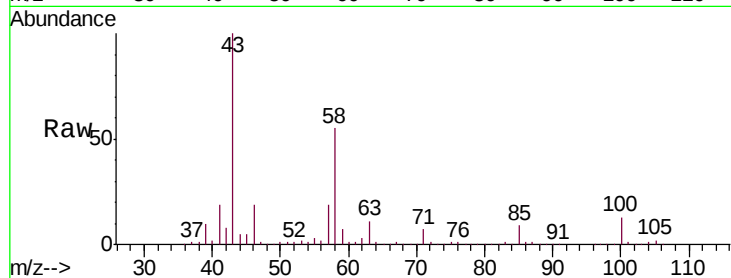




#48
2-Hexanone
Concen: 62.728 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

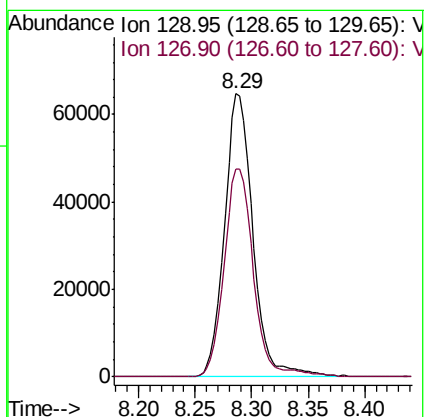
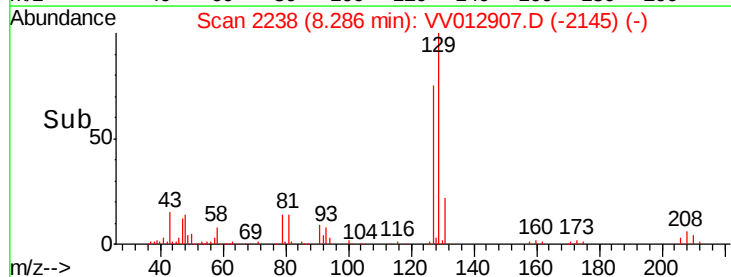
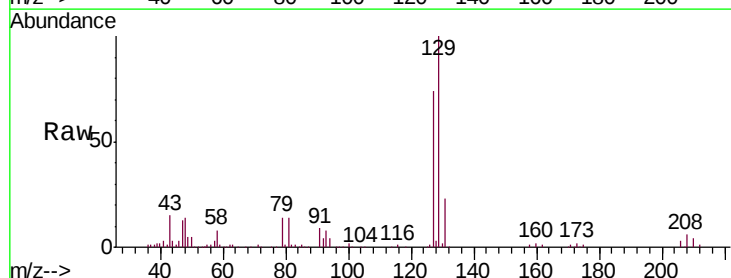
Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

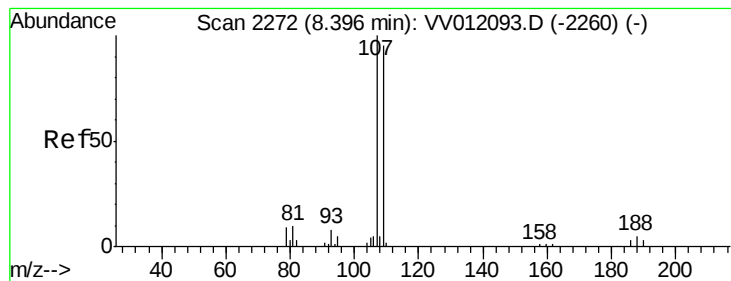
Tgt Ion:	43	Resp:	599163
Ion	Ratio	Lower	Upper
43	100		
58	57.0	44.1	66.1
57	18.4	16.1	24.1
100	12.5	11.3	16.9



#49
Dibromochloromethane
Concen: 5.062 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Tgt Ion:	129	Resp:	113417
Ion	Ratio	Lower	Upper
129	100		
127	73.6	55.4	102.8





#50

1,2-Dibromoethane

Concen: 4.703 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

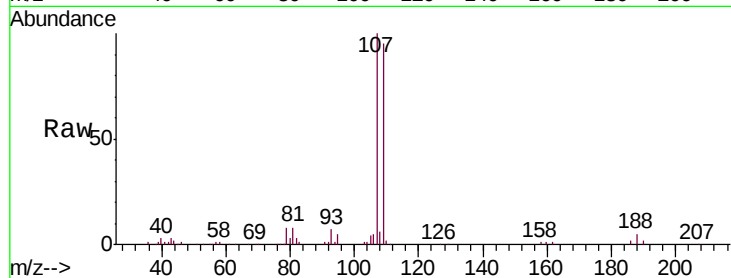
Tgt Ion:107 Resp: 80324

Ion Ratio Lower Upper

107 100

109 94.7 66.3 123.1

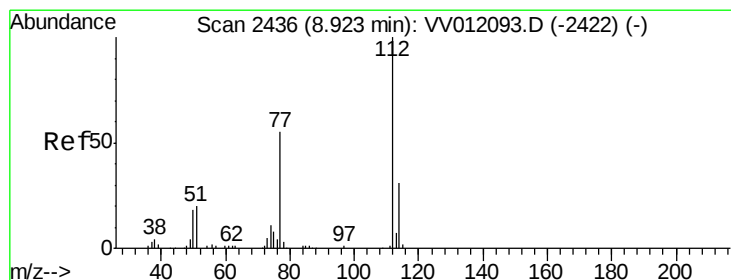
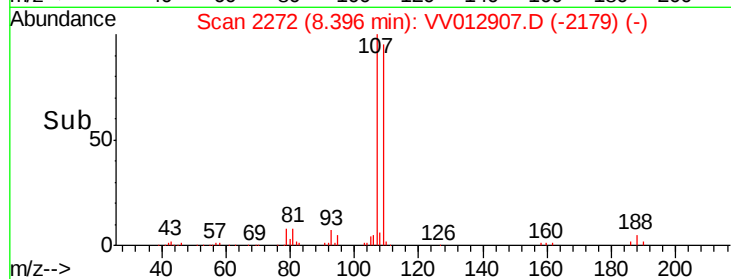
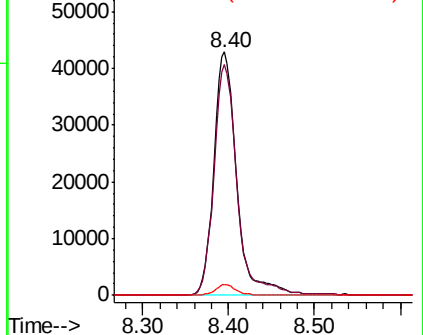
188 4.6 3.4 5.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.586 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

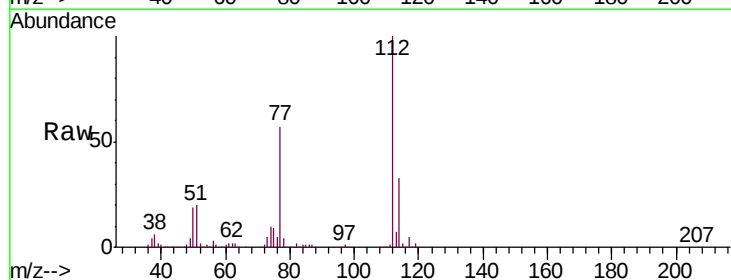
Tgt Ion:112 Resp: 353074

Ion Ratio Lower Upper

112 100

114 33.0 22.1 41.1

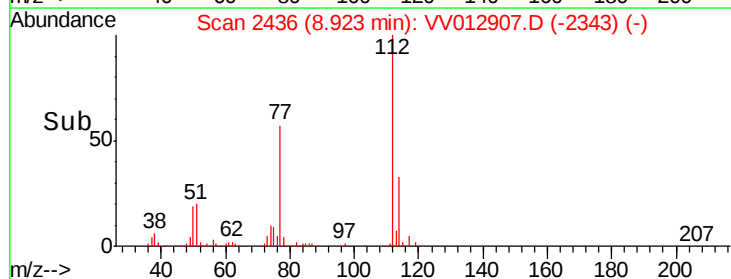
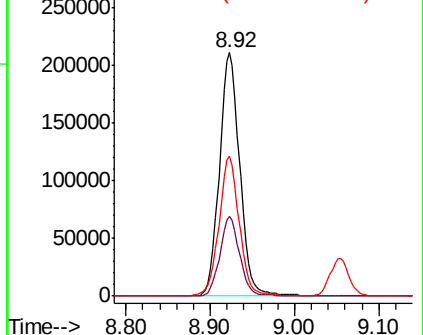
77 57.3 45.9 68.9

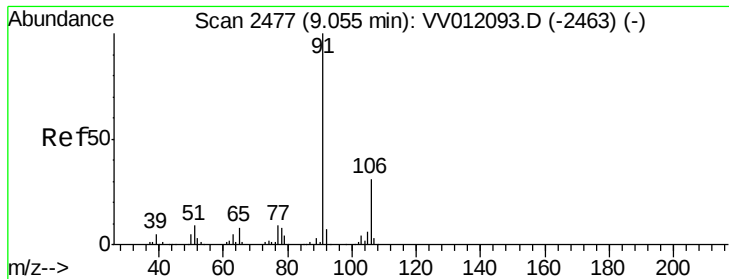


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.298 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

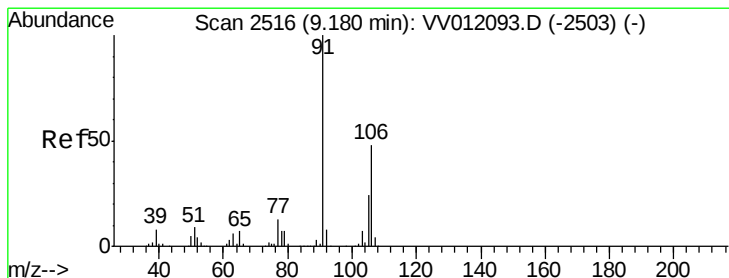
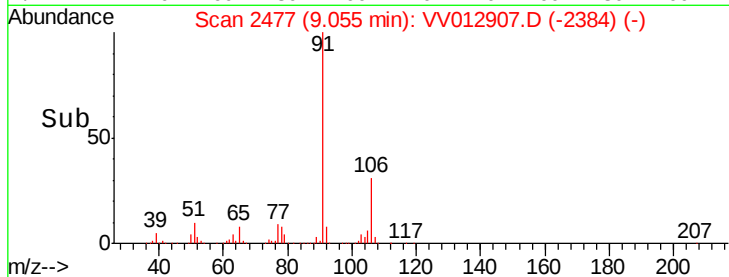
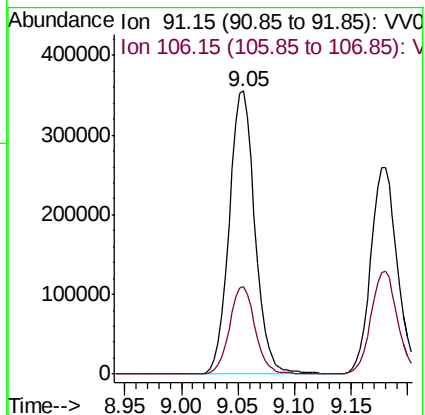
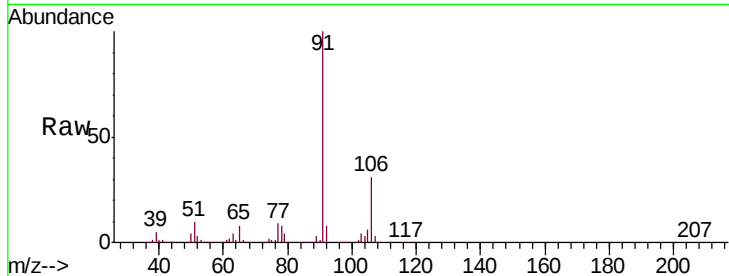
VSTD005001

Tgt Ion: 91 Resp: 564705

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.2



#53

m,p-xylene

Concen: 4.274 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012907.D

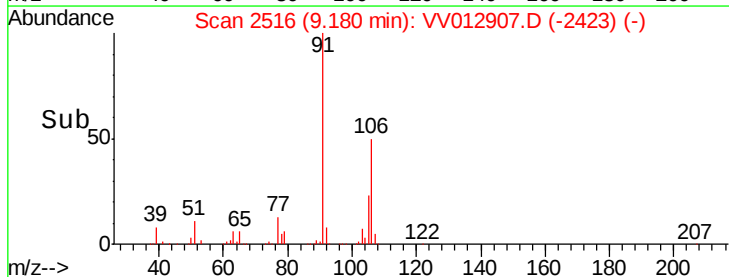
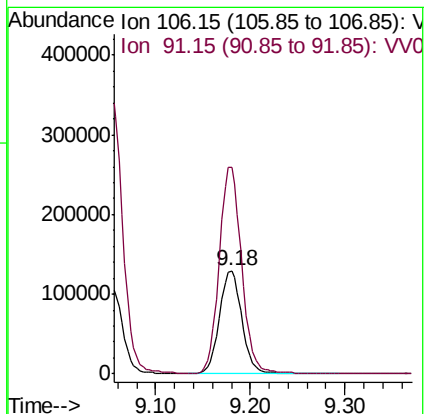
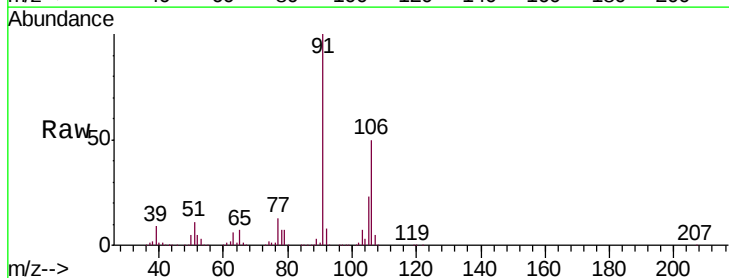
Acq: 18 Sep 2019 21:59

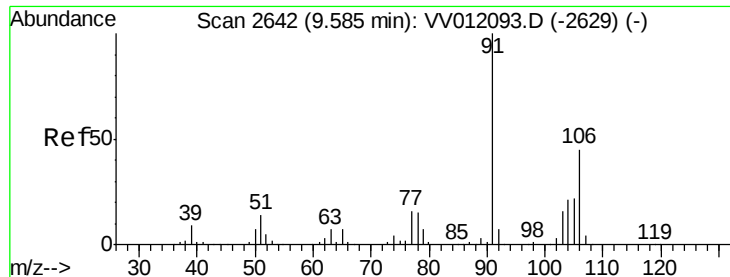
Tgt Ion: 106 Resp: 213796

Ion Ratio Lower Upper

106 100

91 200.4 141.6 263.0

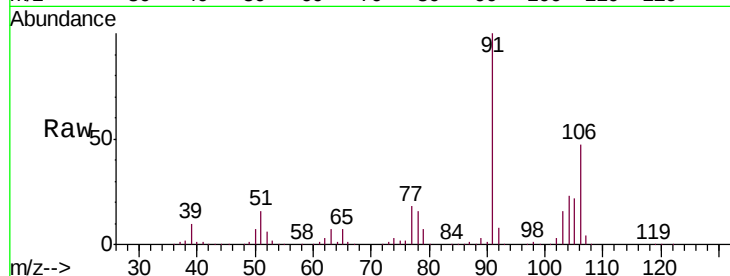




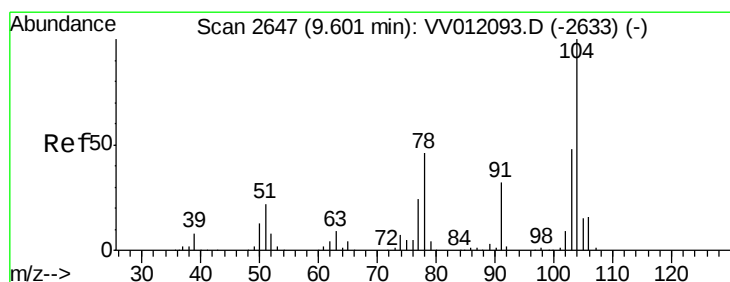
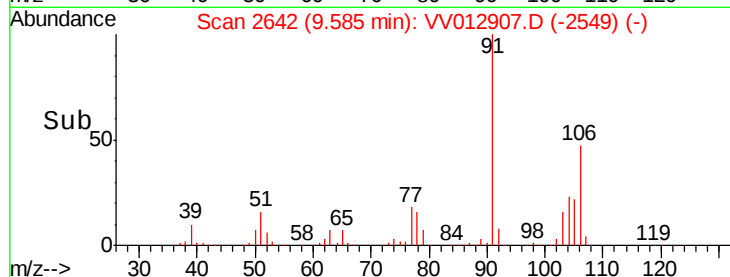
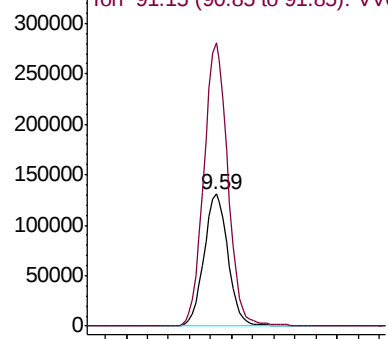
#54
o-xylene
Concen: 4.376 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion:106 Resp: 207148
Ion Ratio Lower Upper
106 100
91 214.6 146.8 272.6

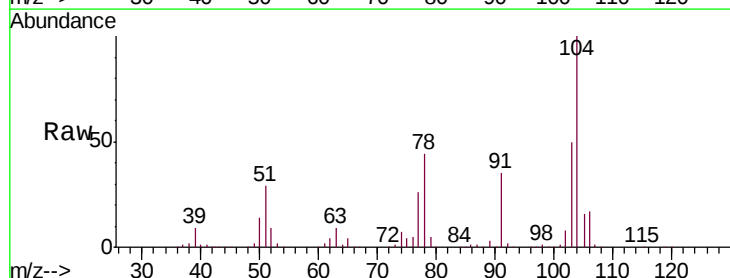


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

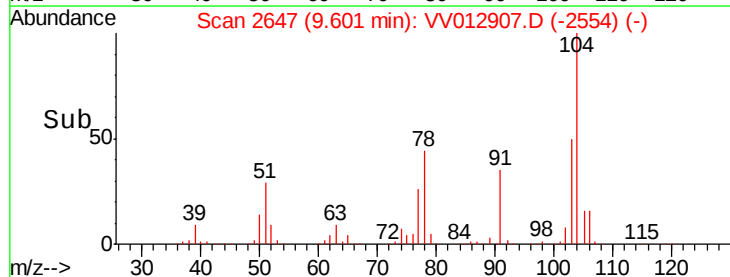
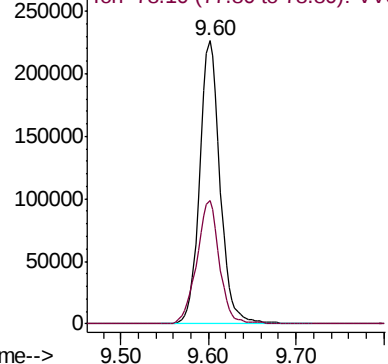


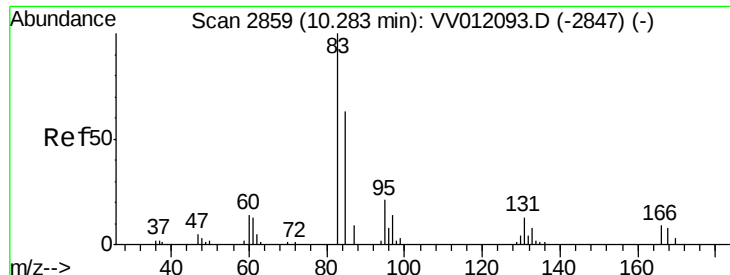
#55
Styrene
Concen: 4.611 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Tgt Ion:104 Resp: 367786
Ion Ratio Lower Upper
104 100
78 43.5 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

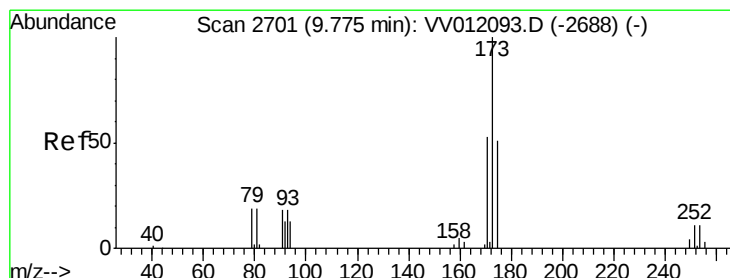
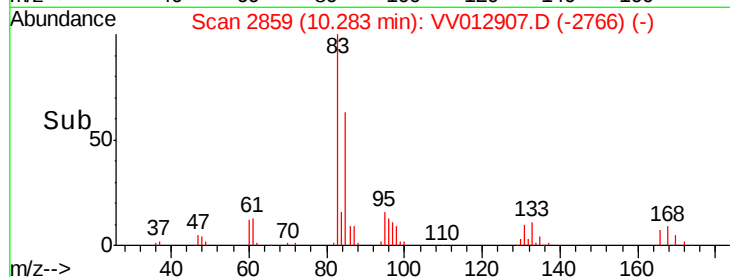
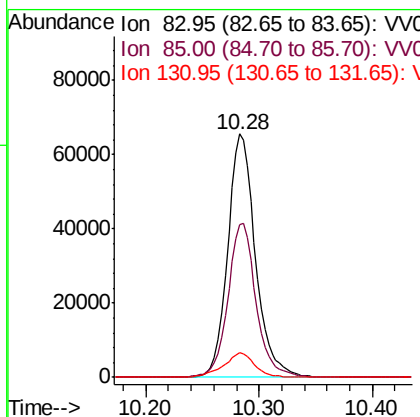
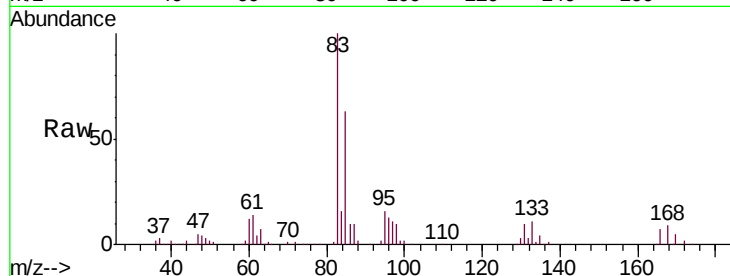




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.692 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

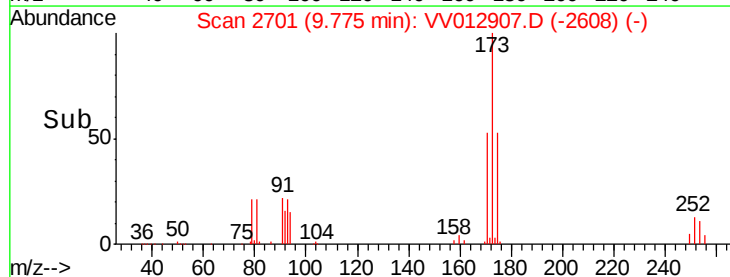
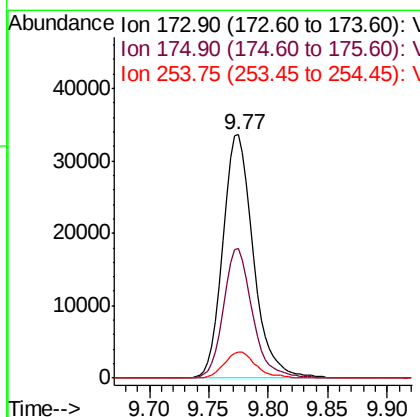
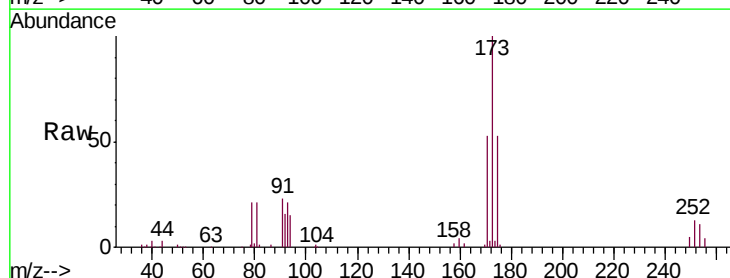
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

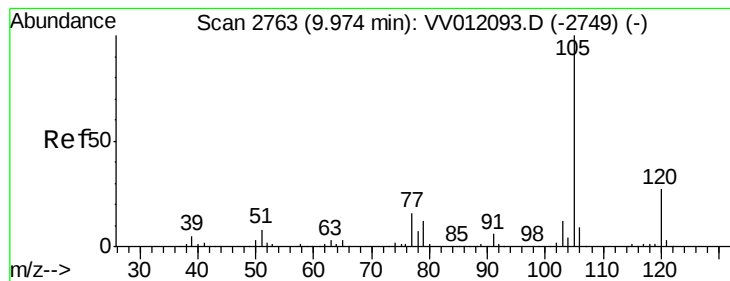
Tgt Ion: 83 Resp: 111623
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.6
 131 10.1 8.3 12.5



#59
 Bromoform
 Concen: 5.316 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 173 Resp: 59874
 Ion Ratio Lower Upper
 173 100
 175 50.8 38.3 57.5
 254 11.0 8.6 13.0





#60

Isopropylbenzene

Concen: 4.772 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

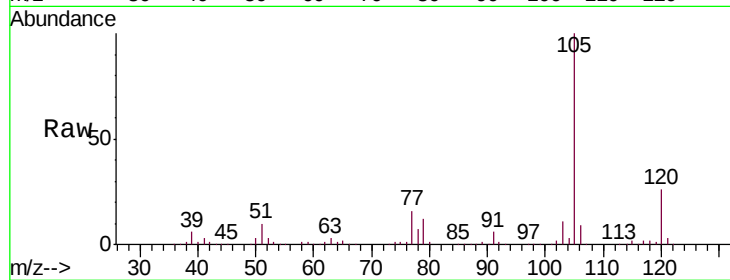
Tgt Ion: 105 Resp: 567948

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

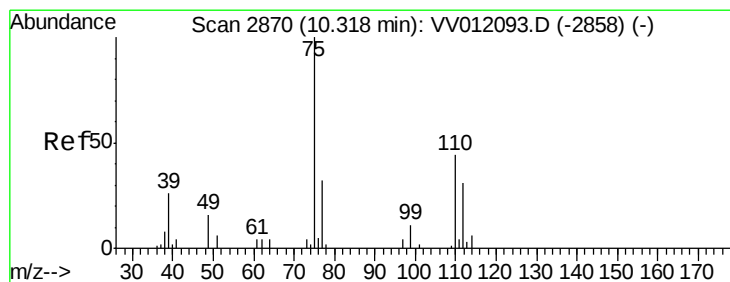
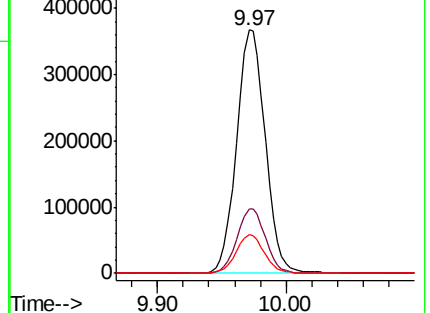
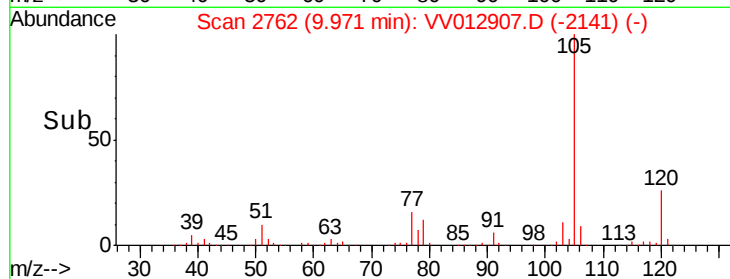
77 15.9 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 5.901 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

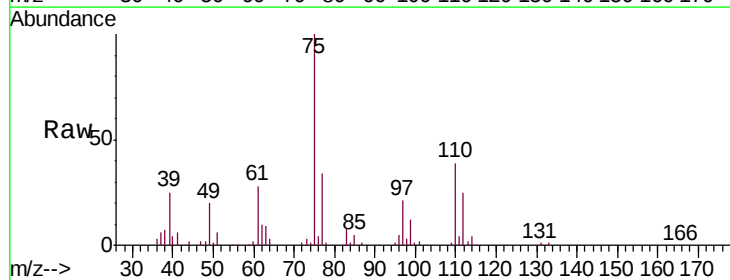
Tgt Ion: 75 Resp: 80125

Ion Ratio Lower Upper

75 100

77 33.4 26.8 40.2

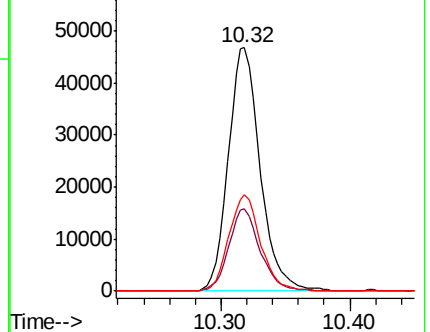
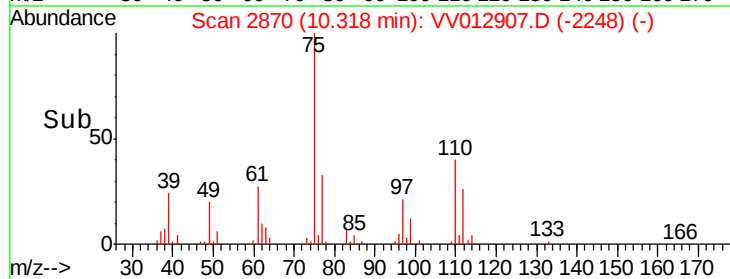
110 39.4 35.0 52.6

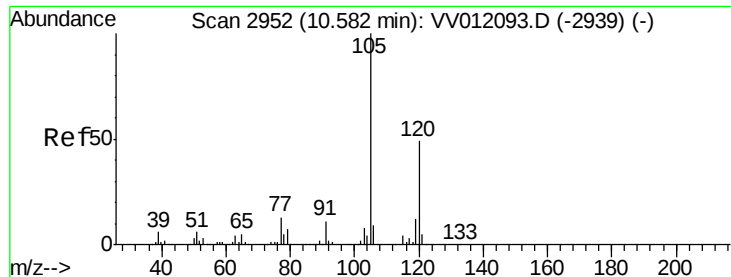


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 4.419 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

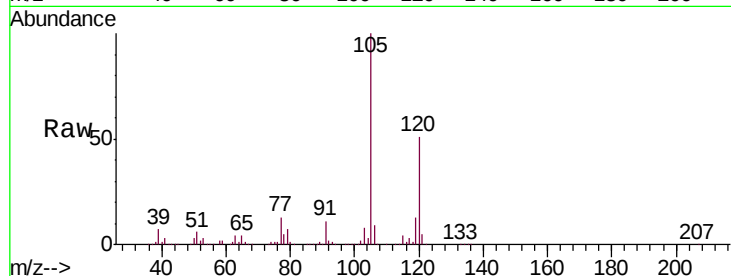
VSTD005001

Tgt Ion:105 Resp: 434269

Ion Ratio Lower Upper

105 100

120 50.9 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.58

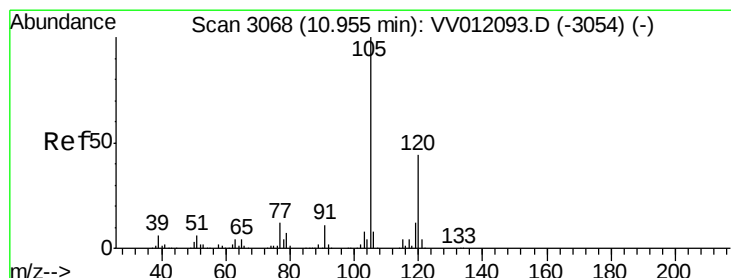
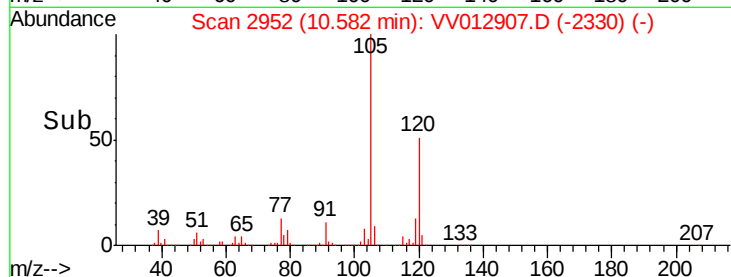
300000

200000

100000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 4.666 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VV012907.D

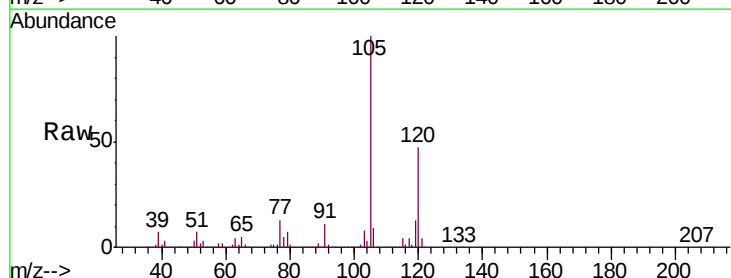
Acq: 18 Sep 2019 21:59

Tgt Ion:105 Resp: 455577

Ion Ratio Lower Upper

105 100

120 46.8 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.95

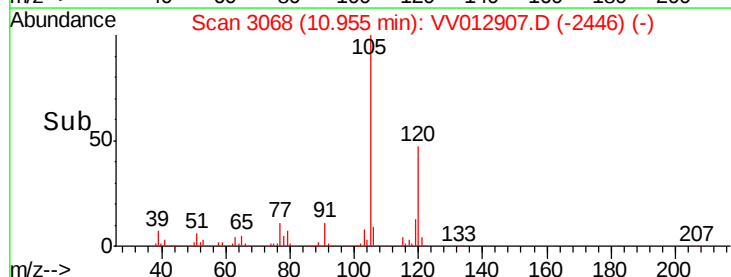
300000

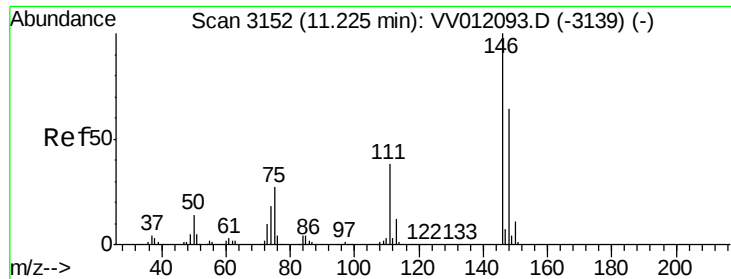
200000

100000

0

Time-->





#64

1,3-Dichlorobenzene

Concen: 4.773 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD005001

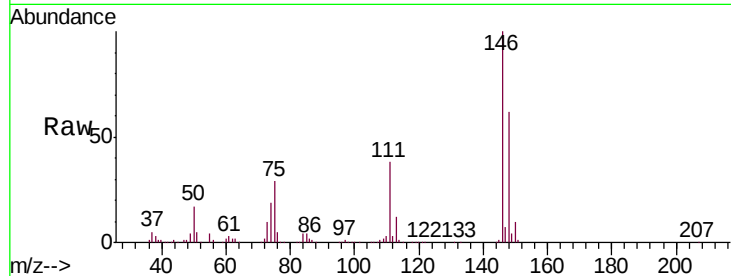
Tgt Ion:146 Resp: 283080

Ion Ratio Lower Upper

146 100

111 38.1 27.2 50.6

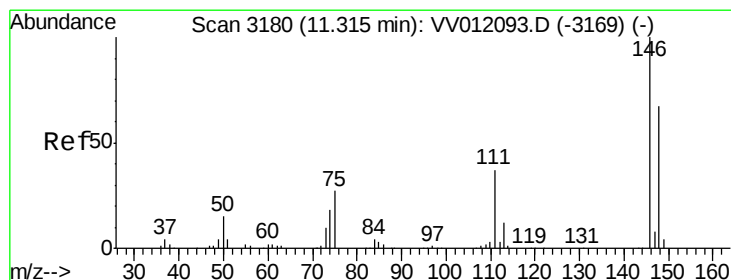
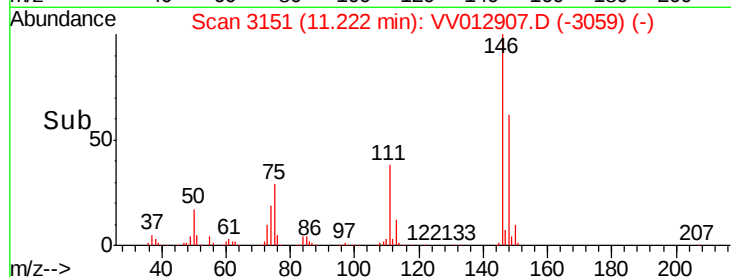
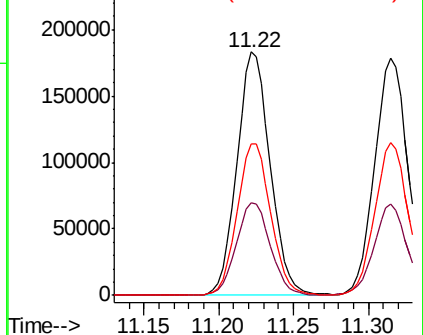
148 62.1 44.5 82.7



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

1,4-Dichlorobenzene

Concen: 4.582 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012907.D

Acq: 18 Sep 2019 21:59

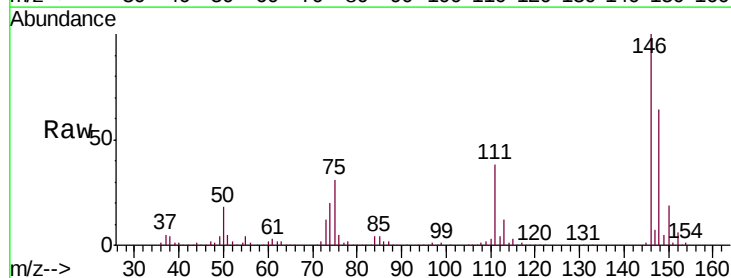
Tgt Ion:146 Resp: 276953

Ion Ratio Lower Upper

146 100

111 38.3 25.8 48.0

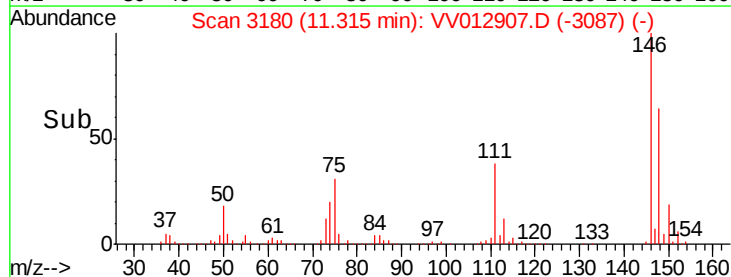
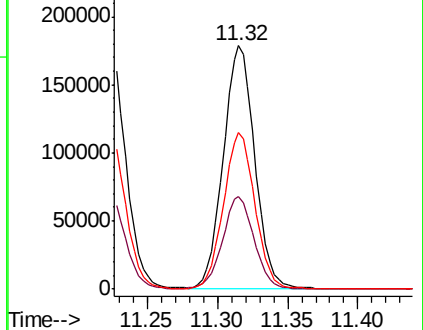
148 64.2 43.8 81.3

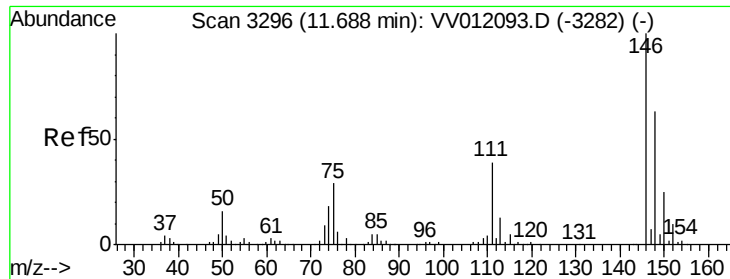


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

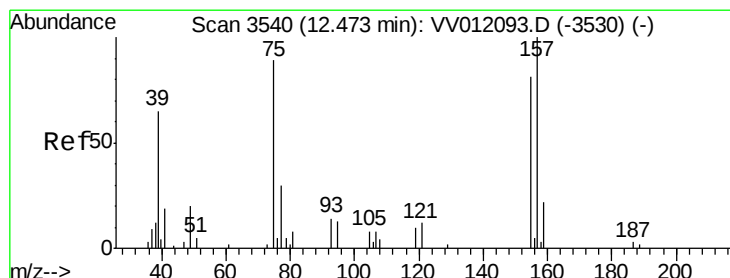
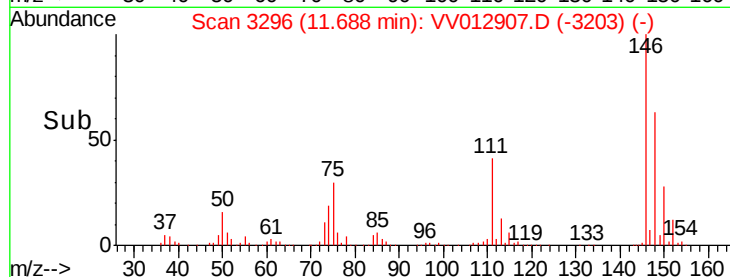
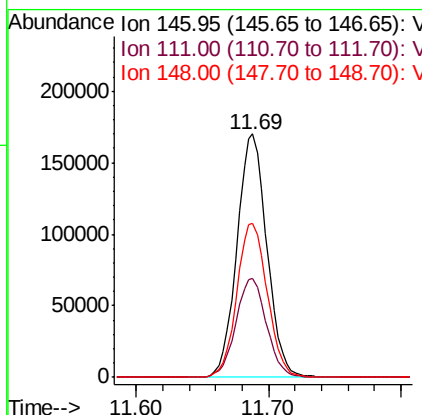
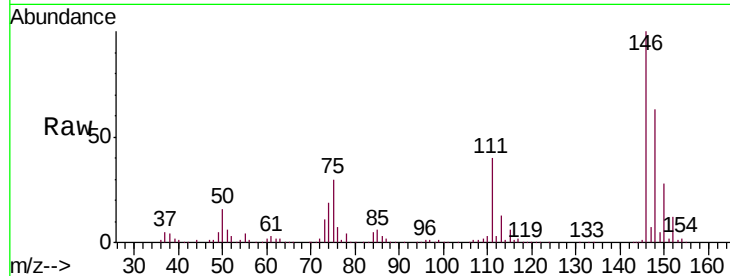




#67
 1,2-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

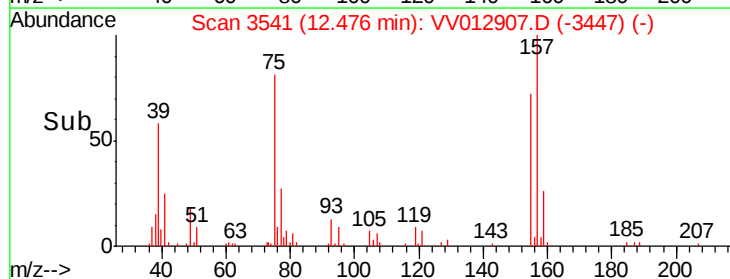
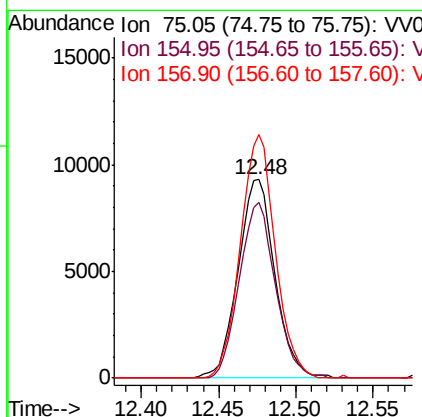
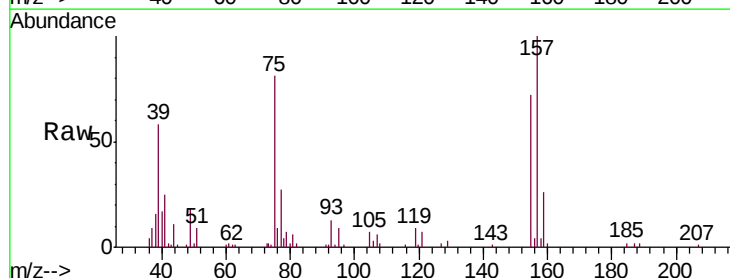
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

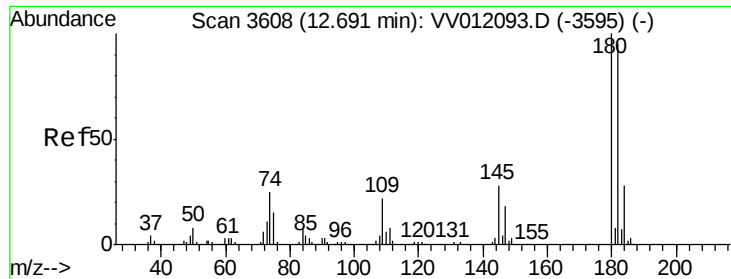
Tgt Ion: 146 Resp: 266313
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.4 48.6
 148 63.3 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.523 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion: 75 Resp: 15462
 Ion Ratio Lower Upper
 75 100
 155 88.8 75.0 112.6
 157 122.8 87.8 131.6

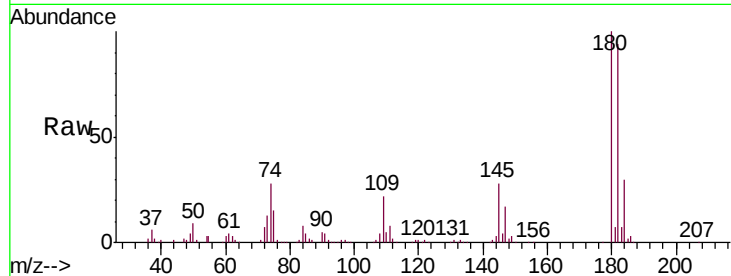




#69
 1,3,5-Trichlorobenzene
 Concen: 4.351 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.1	115.7
184	29.8	24.6	36.8
145	27.9	22.8	34.2



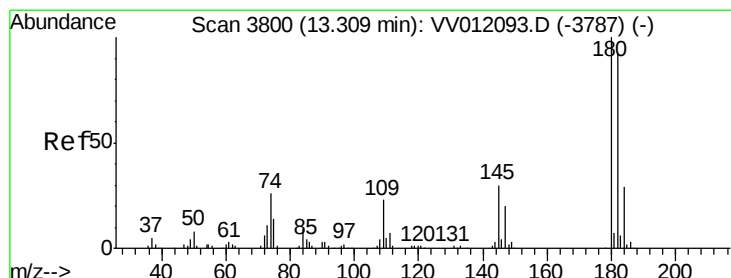
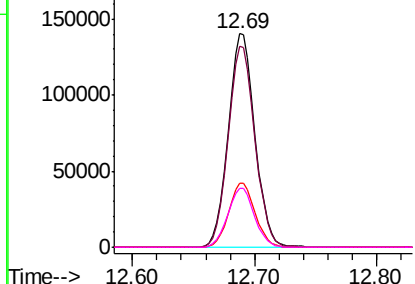
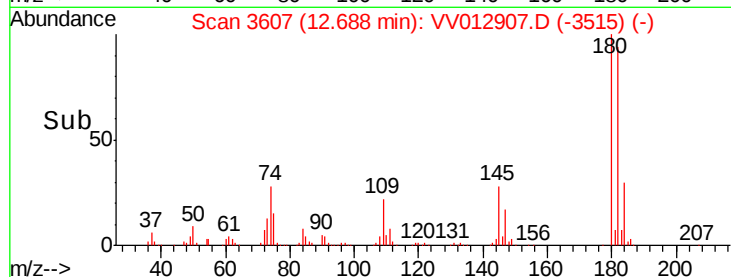
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

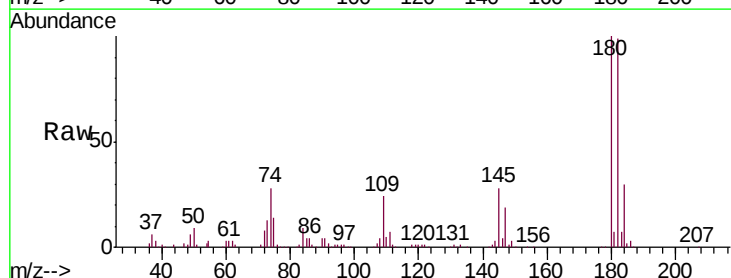
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 4.212 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012907.D
 Acq: 18 Sep 2019 21:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	27.8	24.3	36.5

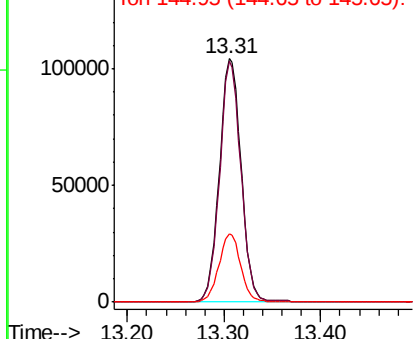
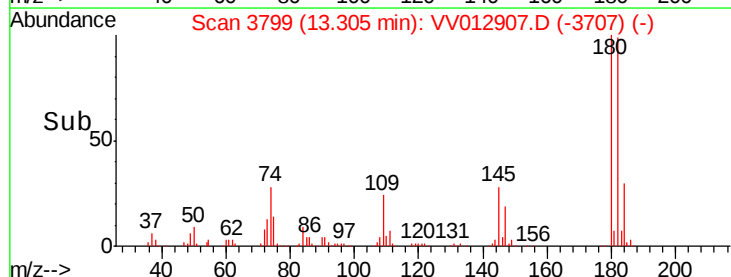


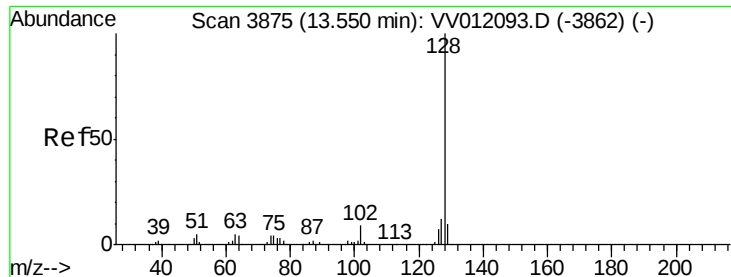
Abundance

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

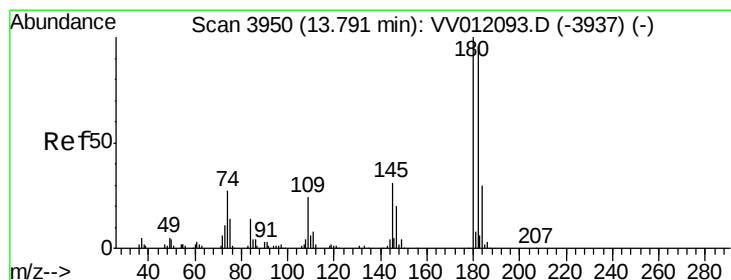
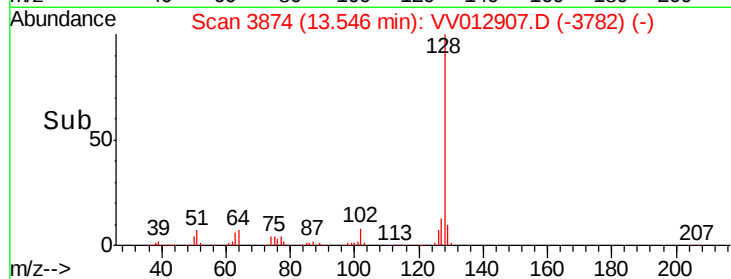
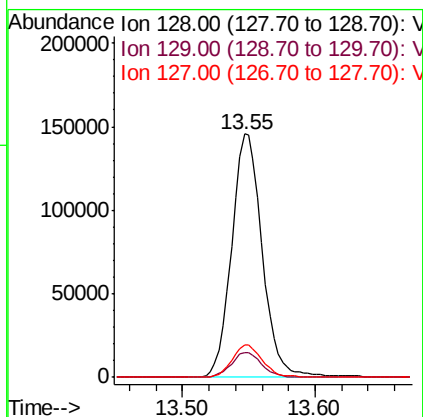
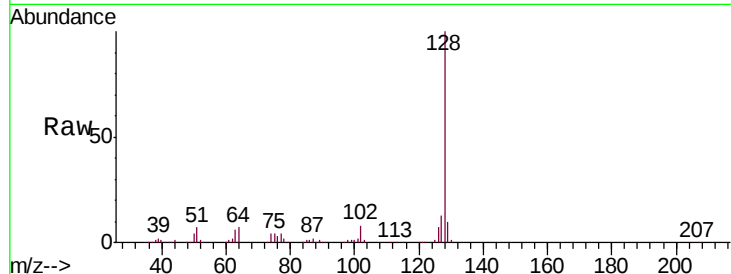




#71
Naphthalene
Concen: 4.332 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD005001

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.1	13.7
127	13.3	10.4	15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.725 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VV012907.D
Acq: 18 Sep 2019 21:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.5	117.7
145	29.8	25.8	38.8

