

Data File : VV012914.D
Acq On : 19 Sep 2019 01:24
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

Quant Time: Sep 19 05:18:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	376353	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	367090	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	181925	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	143915	6.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	135.20%#
7) Chloroethane-d5	1.58	69	132661	8.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	177.60%#
11) 1,1-Dichloroethene-d2	2.13	63	227590	5.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.00%
20) 2-Butanone-d5	4.01	46	132117	27.31	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	54.62%
24) Chloroform-d	4.40	84	279945	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.60%
26) 1,2-Dichloroethane-d4	5.08	65	140497	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.10	84	554625	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.00%
36) 1,2-Dichloropropane-d6	6.12	67	170580	6.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.00%
41) Toluene-d8	7.36	98	495720	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	7.66	79	58312	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	8.14	63	257170	64.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.62%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	129427	6.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.40%#
66) 1,2-Dichlorobenzene-d4	11.67	152	174998	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	131134	3.057 ug/L	100
3) Chloromethane	1.25	50	130679	5.322 ug/L	98
5) Vinyl chloride	1.32	62	146584	5.836 ug/L	98
6) Bromomethane	1.54	94	75933	5.058 ug/L	96
8) Chloroethane	1.60	64	82629	6.053 ug/L	99
9) Trichlorofluoromethane	1.77	101	179967	4.188 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	101940	5.461 ug/L	93
12) 1,1-Dichloroethene	2.14	96	97675	5.649 ug/L	93
13) Acetone	2.28	43	42077	15.805 ug/L	55
14) Carbon disulfide	2.32	76	209198	4.333 ug/L	100
15) Methyl Acetate	2.49	43	37700	6.891 ug/L	90
16) Methylene chloride	2.53	84	121776	6.868 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	253449	4.662 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	105766	4.246 ug/L	99
19) 1,1-Dichloroethane	3.23	63	227515	5.107 ug/L	99
21) 2-Butanone	4.09	43	268572	51.129 ug/L #	61
22) cis-1,2-Dichloroethene	3.96	96	122622	4.623 ug/L	99

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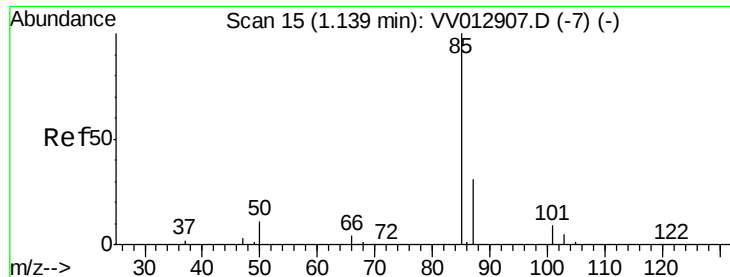
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53463	4.595	ug/L #	91
25) Chloroform	4.42	83	245670	4.398	ug/L	99
27) 1,2-Dichloroethane	5.18	62	138665	4.498	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	190699	4.202	ug/L	97
30) Cyclohexane	4.72	56	155982	4.019	ug/L	91
31) Carbon tetrachloride	4.87	117	159056	3.895	ug/L	99
33) Benzene	5.14	78	485329	4.867	ug/L	100
34) Trichloroethene	5.96	95	123924	4.358	ug/L	97
35) Methylcyclohexane	6.17	83	154903	3.477	ug/L	94
37) 1,2-Dichloropropane	6.22	63	130109	5.640	ug/L	100
38) Bromodichloromethane	6.55	83	165256	5.073	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	155059	4.286	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	808224	62.108	ug/L #	97
42) Toluene	7.43	91	519710	4.688	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	131276	4.489	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	93476	5.313	ug/L	97
47) Tetrachloroethene	8.02	164	97451	3.921	ug/L	97
48) 2-Hexanone	8.19	43	596788	64.890	ug/L	96
49) Dibromochloromethane	8.29	129	109058	5.056	ug/L	95
50) 1,2-Dibromoethane	8.40	107	78981	4.803	ug/L	100
51) Chlorobenzene	8.92	112	337750	4.556	ug/L	99
52) Ethylbenzene	9.05	91	545569	4.312	ug/L	99
53) m,p-xylene	9.18	106	204272	4.242	ug/L	99
54) o-xylene	9.59	106	200158	4.391	ug/L	97
55) Styrene	9.60	104	360648	4.696	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.28	83	110197	5.836	ug/L	99
59) Bromoform	9.77	173	58800	5.347	ug/L	99
60) Isopropylbenzene	9.97	105	543338	4.675	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	79462	5.993	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	415441	4.329	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	432319	4.534	ug/L	97
64) 1,3-Dichlorobenzene	11.22	146	272547	4.706	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	269361	4.564	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	256896	4.881	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.48	75	15378	5.625	ug/L	93
69) 1,3,5-Trichlorobenzene	12.69	180	195992	4.093	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	150529	3.973	ug/L	97
71) Naphthalene	13.55	128	205597	3.910	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	150615	4.485	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 3.057 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

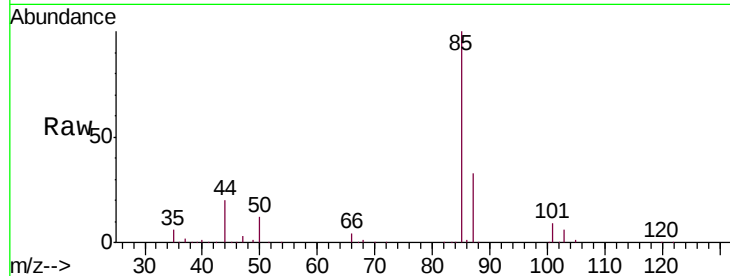
VSTD005002

Tgt Ion: 85 Resp: 131134

Ion Ratio Lower Upper

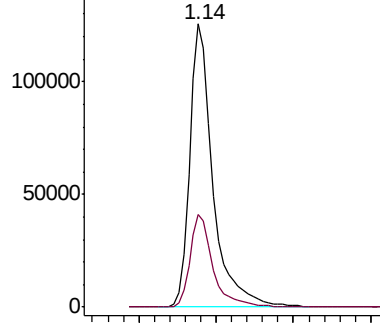
85 100

87 32.3 25.9 38.9

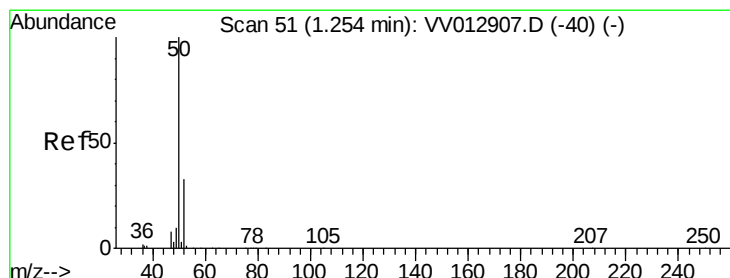
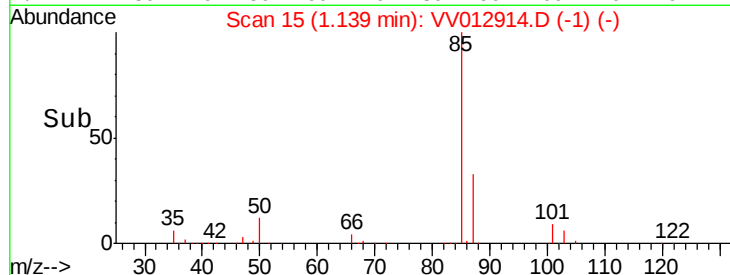


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 5.322 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012914.D

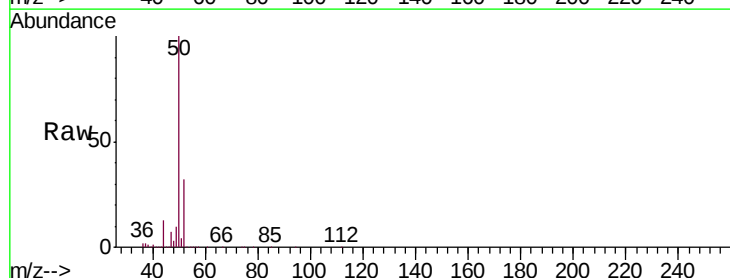
Acq: 19 Sep 2019 01:24

Tgt Ion: 50 Resp: 130679

Ion Ratio Lower Upper

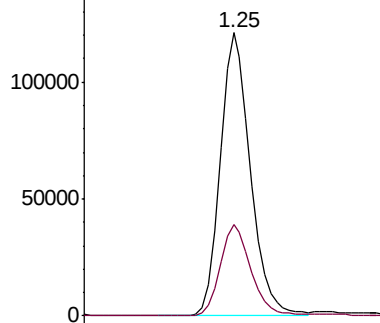
50 100

52 32.3 23.4 43.4

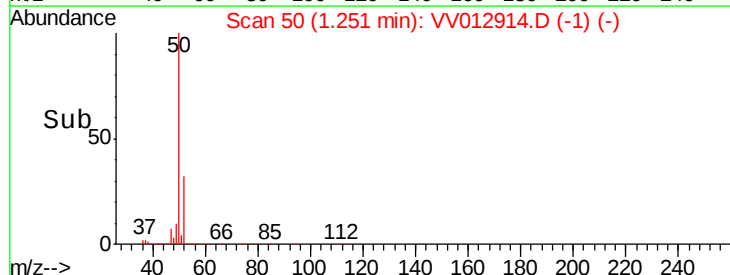


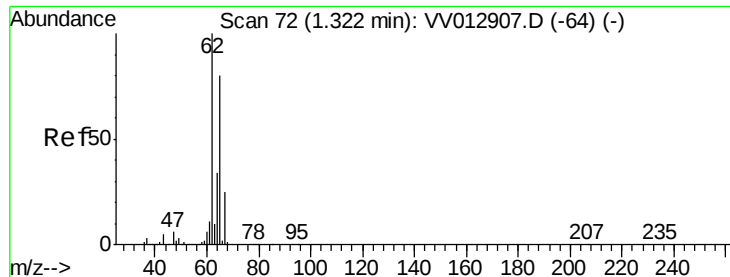
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 5.836 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

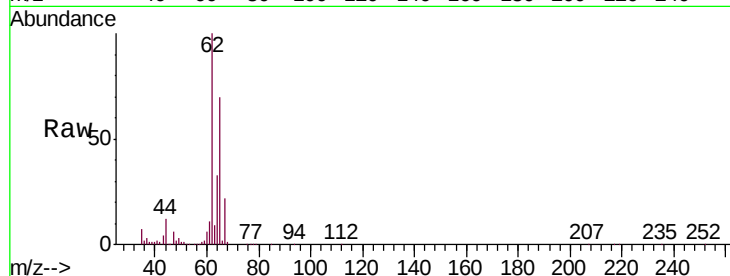
VSTD005002

Tgt Ion: 62 Resp: 146584

Ion Ratio Lower Upper

62 100

64 32.6 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV012907.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV012907.D (-64) (-)

1.32

150000

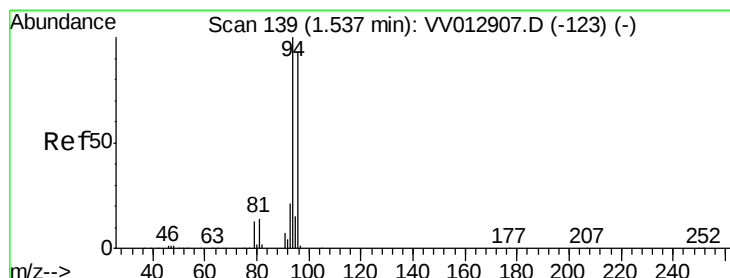
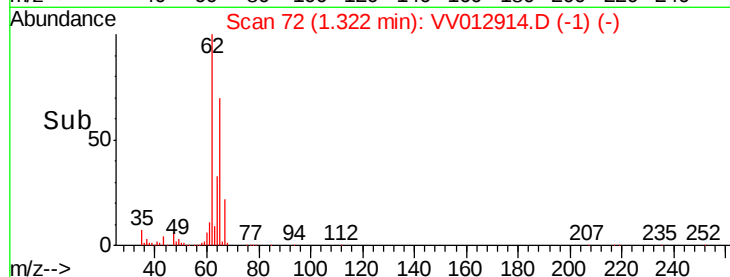
100000

50000

0

1.25 1.30 1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 5.058 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012914.D

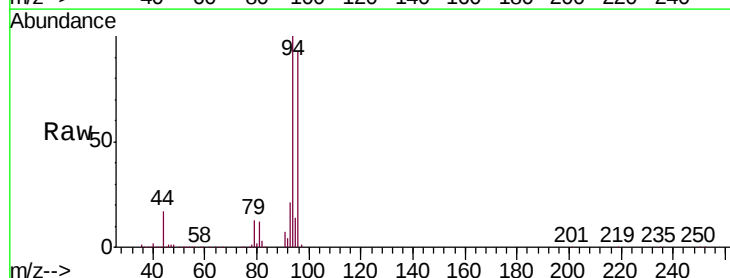
Acq: 19 Sep 2019 01:24

Tgt Ion: 94 Resp: 75933

Ion Ratio Lower Upper

94 100

96 93.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV012907.D (-123) (-)

Ion 96.00 (95.70 to 96.70): VV012907.D (-123) (-)

1.54

60000

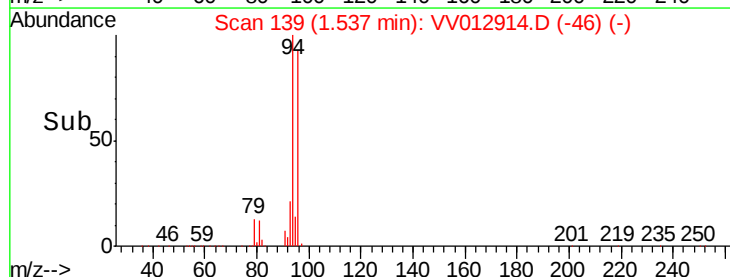
40000

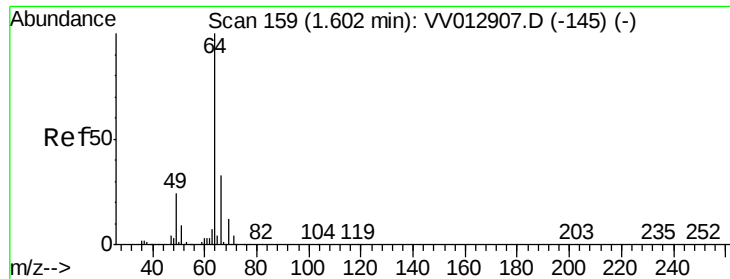
20000

0

1.45 1.50 1.55 1.60 1.65

Time-->

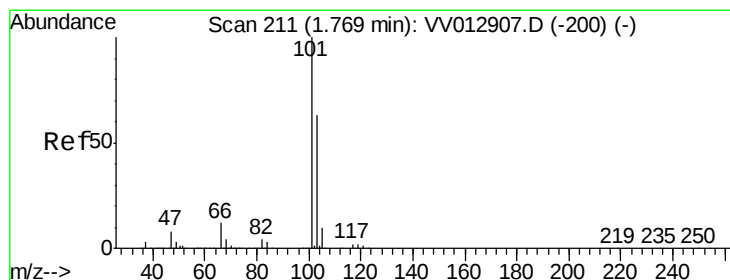
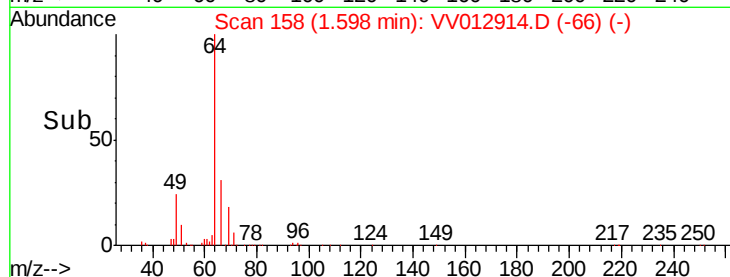
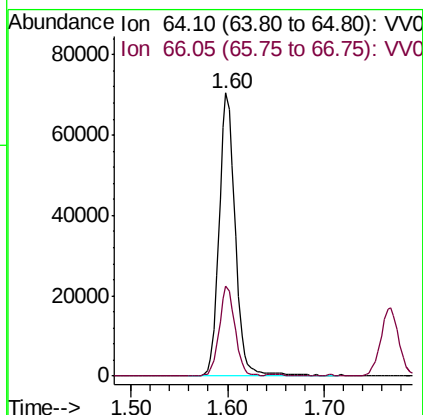
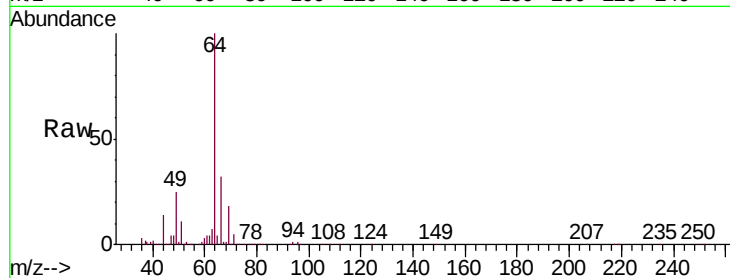




#8
Chloroethane
Concen: 6.053 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

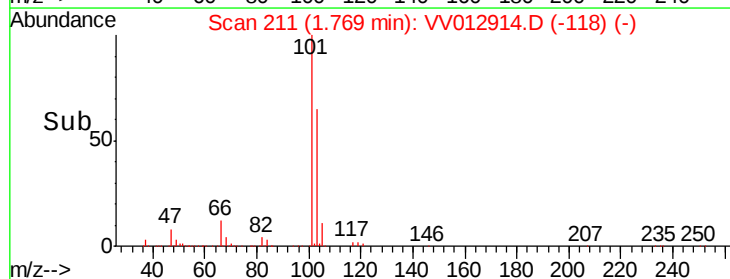
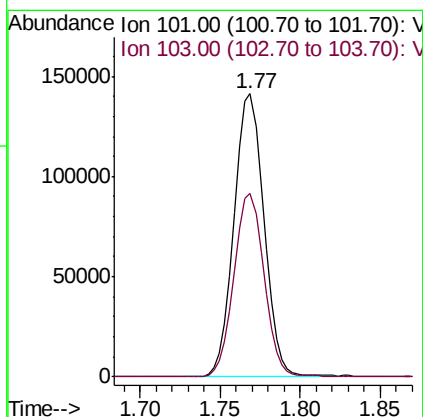
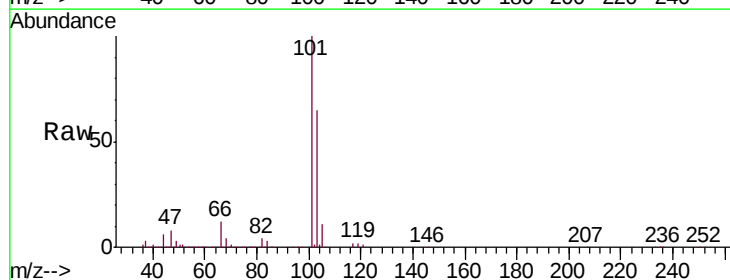
Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

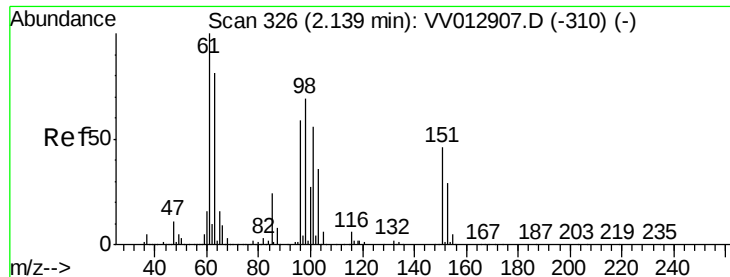
Tgt Ion: 64 Resp: 82629
Ion Ratio Lower Upper
64 100
66 31.7 21.7 40.3



#9
Trichlorofluoromethane
Concen: 4.188 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion: 101 Resp: 179967
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0





#10

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

Concen: 5.461 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

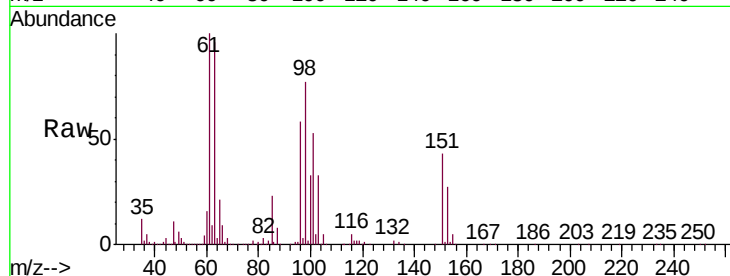
Tgt Ion:101 Resp: 101940

Ion Ratio Lower Upper

101 100

85 43.5 37.8 56.8

151 82.7 71.4 107.2



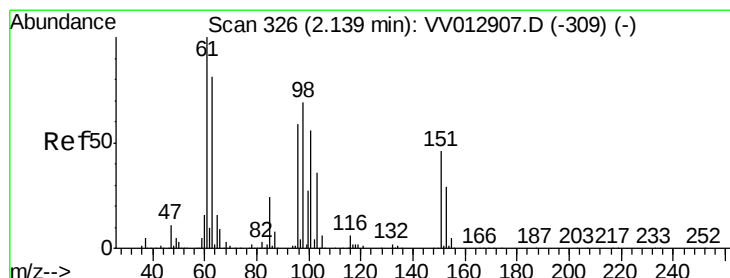
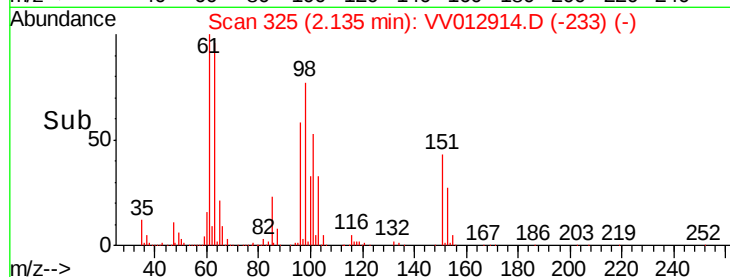
Abundance Ion 101.00 (100.70 to 101.70): VV012914.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV012914.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV012914.D (-233) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 5.649 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

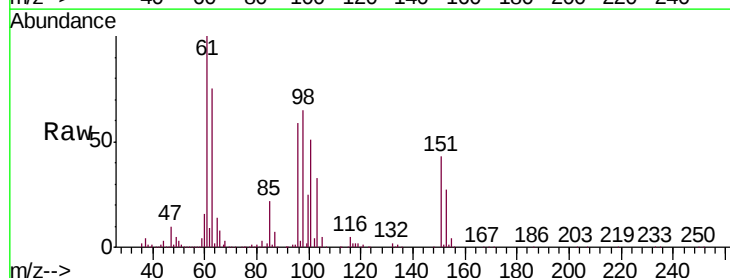
Tgt Ion: 96 Resp: 97675

Ion Ratio Lower Upper

96 100

61 169.3 127.8 237.4

63 127.8 92.7 172.3



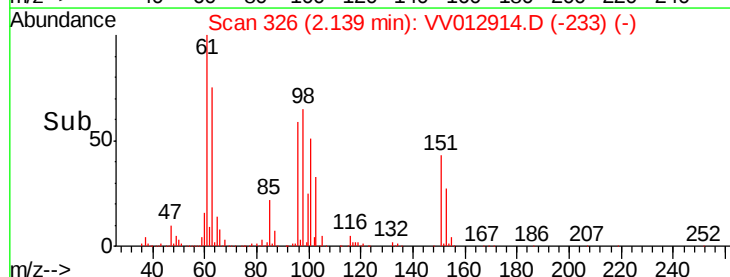
Abundance Ion 96.00 (95.70 to 96.70): VV012914.D (-233) (-)

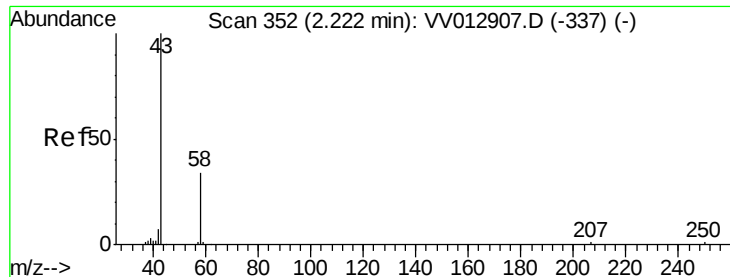
Ion 61.05 (60.75 to 61.75): VV012914.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV012914.D (-233) (-)

2.14

Time-->





#13

Acetone

Concen: 15.805 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.05 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

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ClientSampleId :

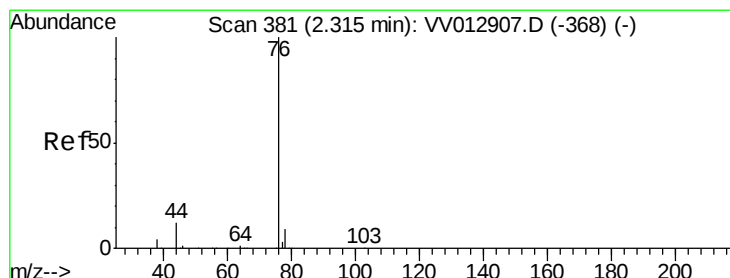
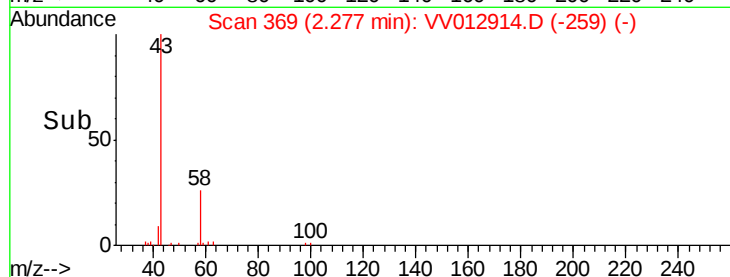
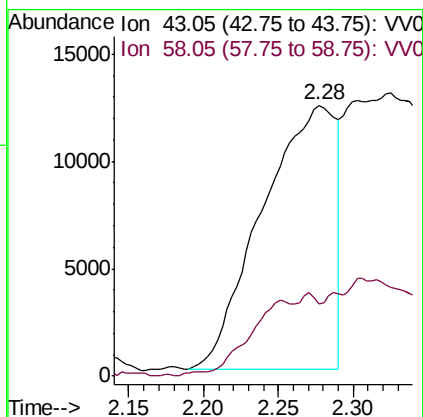
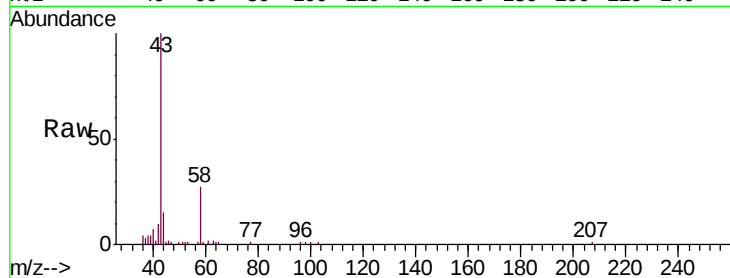
VSTD005002

Tgt Ion: 43 Resp: 42077

Ion Ratio Lower Upper

43 100

58 2.7 0.0 51.6



#14

Carbon disulfide

Concen: 4.333 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012914.D

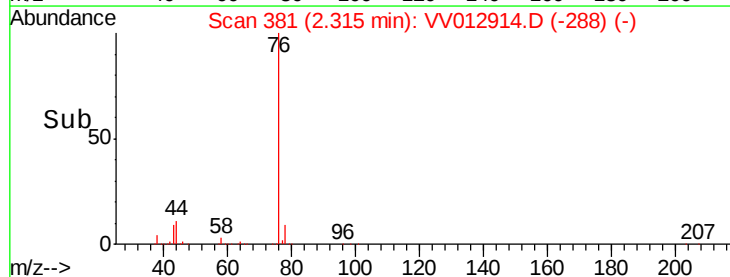
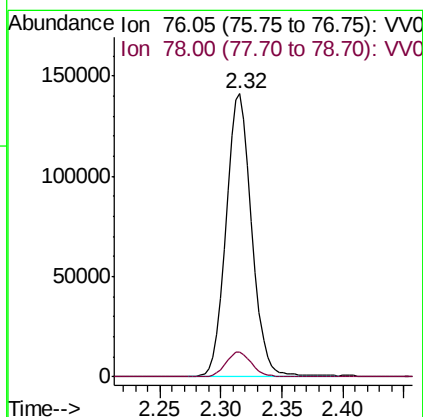
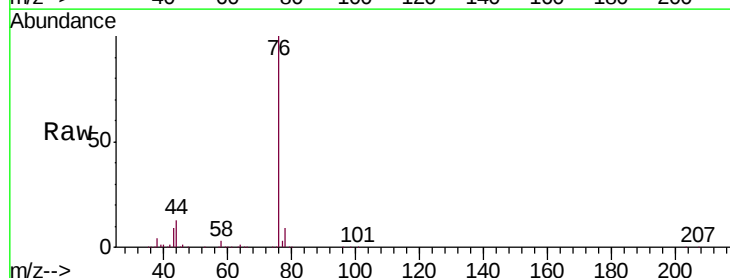
Acq: 19 Sep 2019 01:24

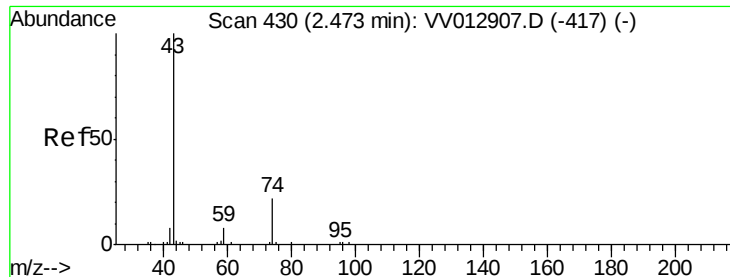
Tgt Ion: 76 Resp: 209198

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methyl Acetate

Concen: 6.891 ug/L

RT: 2.49 min Scan# 434

Delta R.T. 0.01 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

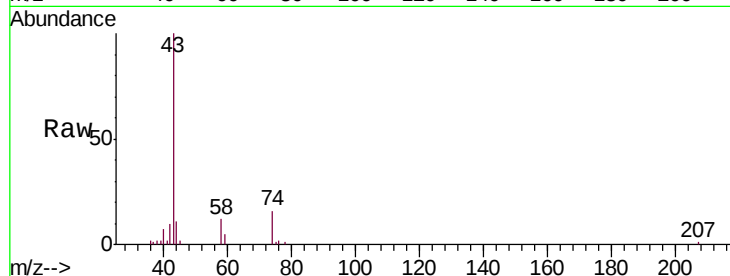
VSTD005002

Tgt Ion: 43 Resp: 37700

Ion Ratio Lower Upper

43 100

74 25.3 24.4 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

20000

15000

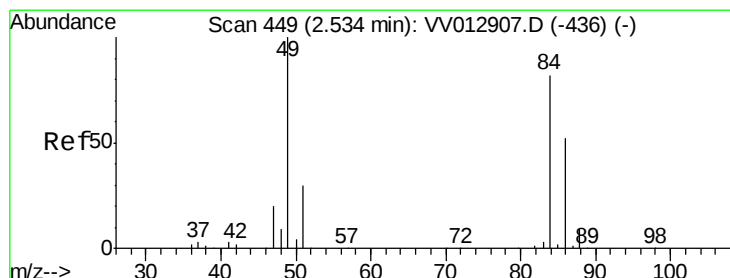
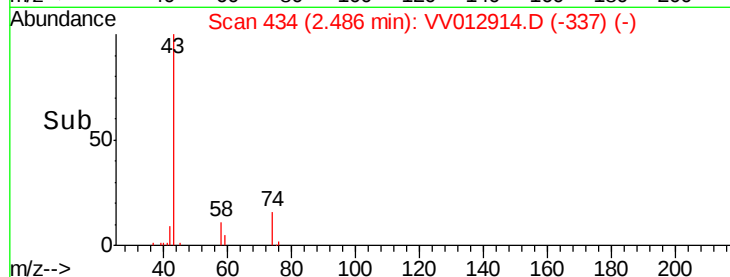
10000

5000

0

Time--> 2.40 2.45 2.50 2.55 2.60

2.49



#16

Methylene chloride

Concen: 6.868 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

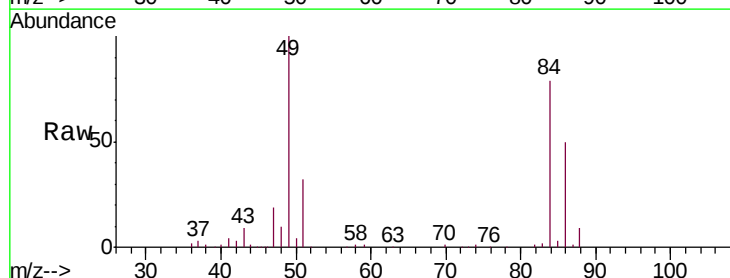
Tgt Ion: 84 Resp: 121776

Ion Ratio Lower Upper

84 100

86 62.9 44.9 83.3

49 125.8 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

120000

100000

80000

60000

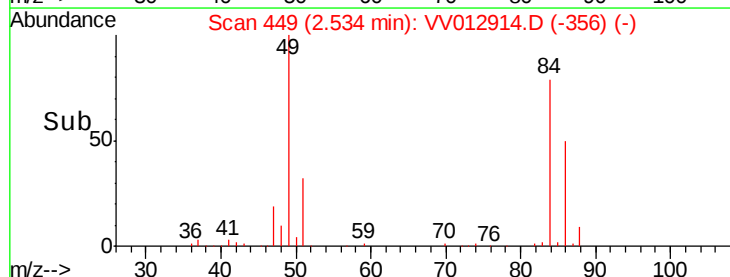
40000

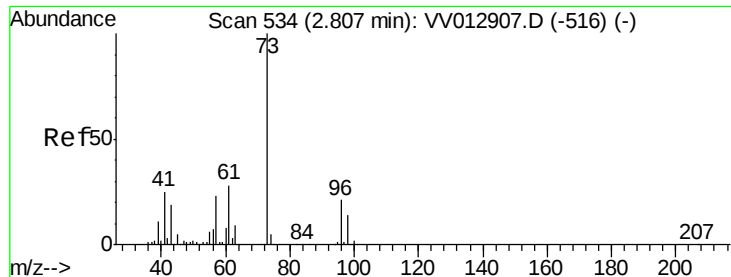
20000

0

Time--> 2.50 2.55 2.60

2.53





#17

Methyl tert-butyl Ether

Concen: 4.662 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampled :

VSTD005002

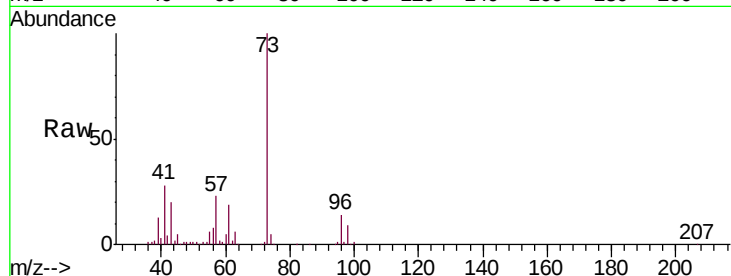
Tgt Ion: 73 Resp: 253449

Ion Ratio Lower Upper

73 100

43 18.8 17.6 26.4

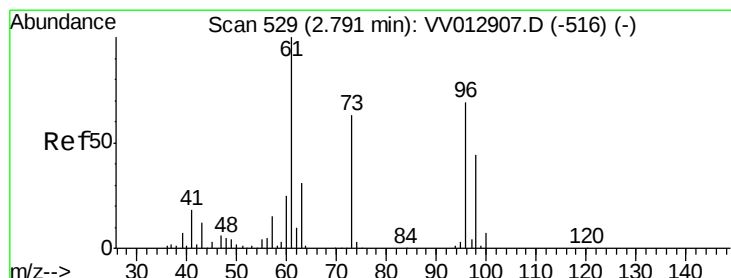
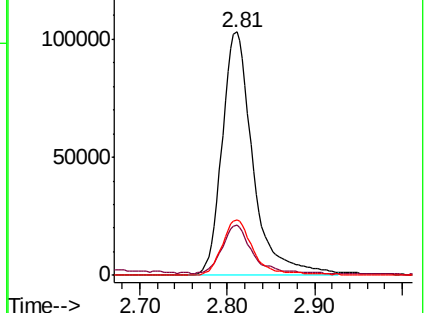
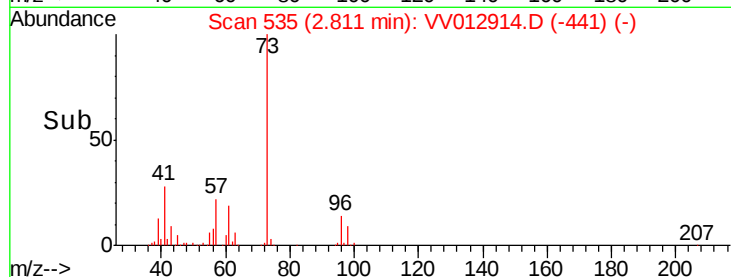
57 23.2 17.0 25.6



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: 4.246 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

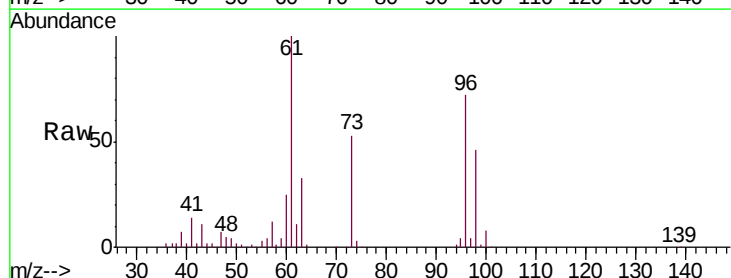
Tgt Ion: 96 Resp: 105766

Ion Ratio Lower Upper

96 100

61 138.0 97.2 180.6

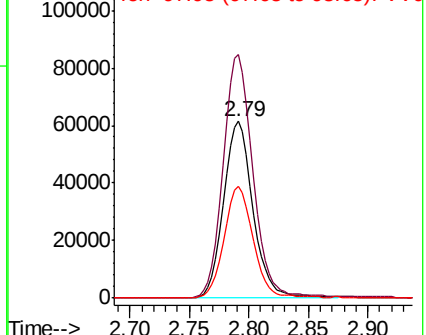
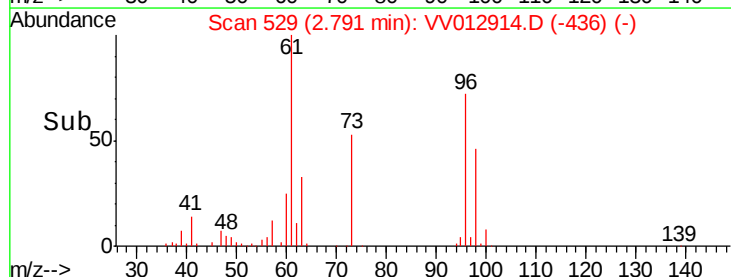
98 63.4 45.0 83.6

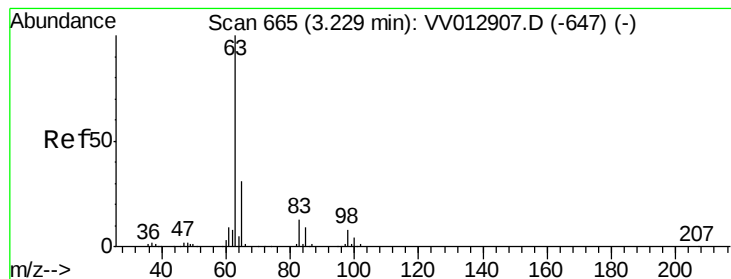


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.107 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

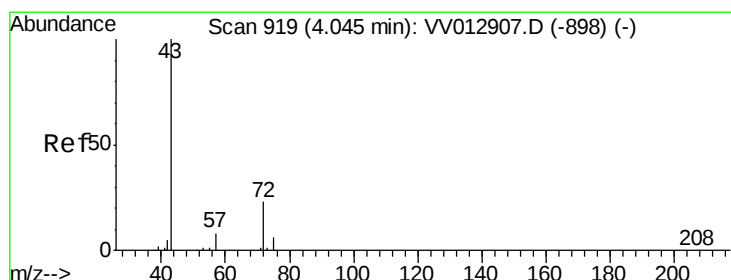
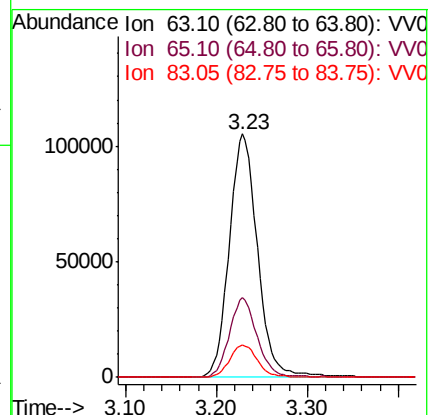
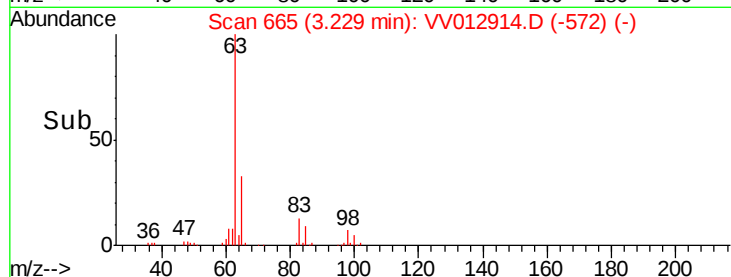
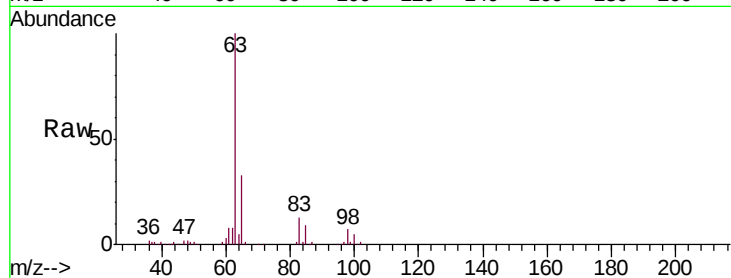
Tgt Ion: 63 Resp: 227515

Ion Ratio Lower Upper

63 100

65 33.0 23.0 42.6

83 13.2 9.7 17.9



#21

2-Butanone

Concen: 51.129 ug/L

RT: 4.09 min Scan# 933

Delta R.T. 0.05 min

Lab File: VV012914.D

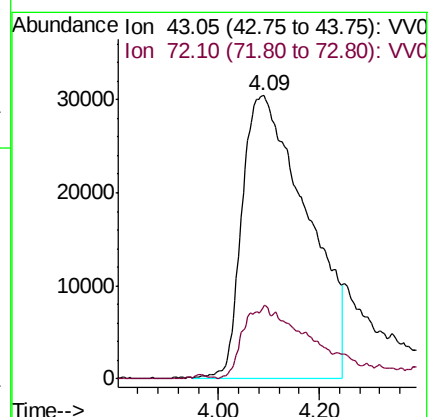
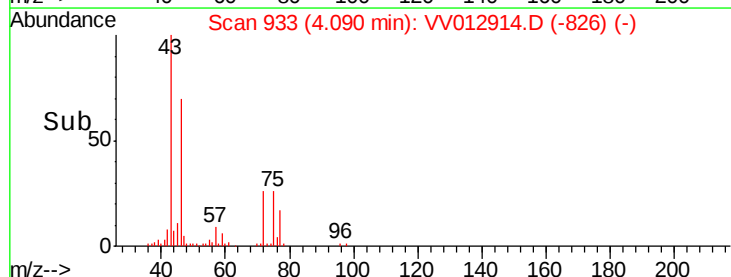
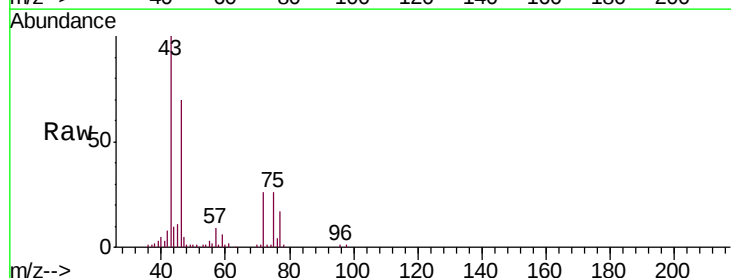
Acq: 19 Sep 2019 01:24

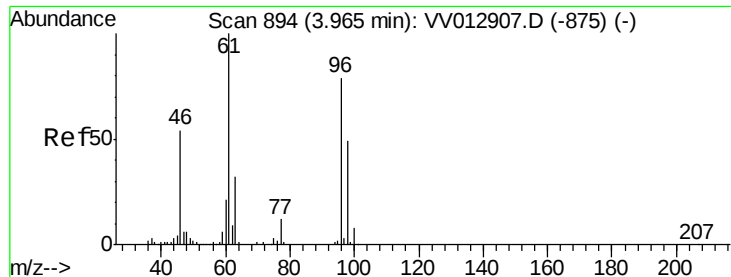
Tgt Ion: 43 Resp: 268572

Ion Ratio Lower Upper

43 100

72 6.7 13.4 40.2#



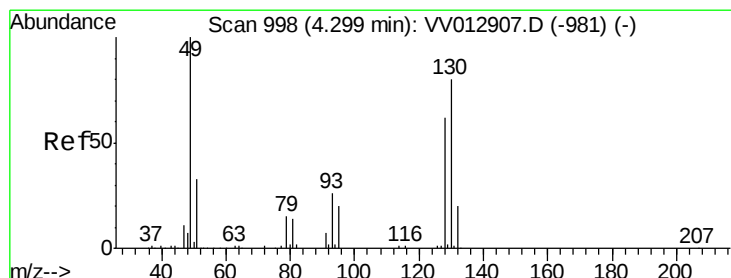
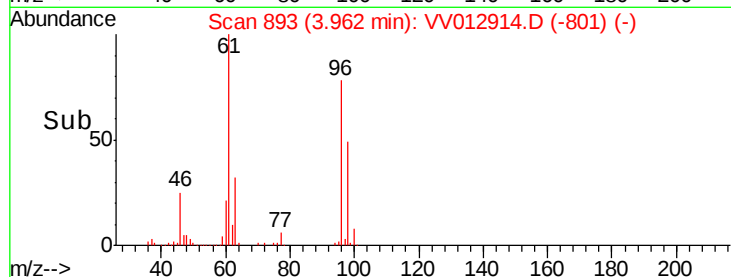
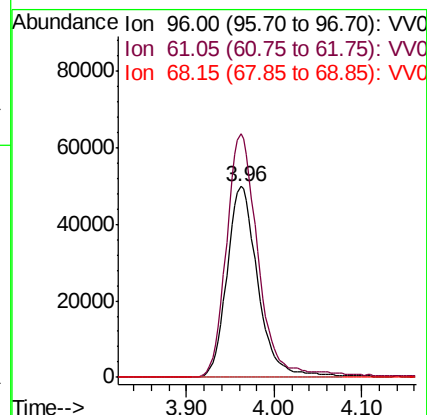
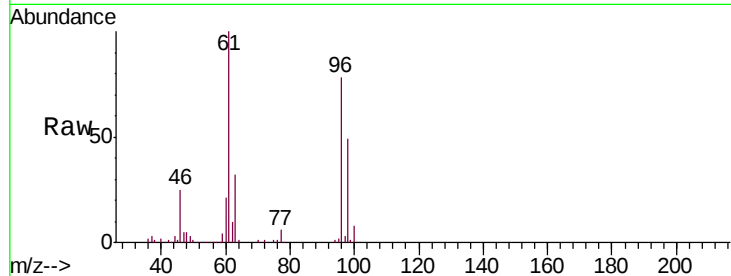


#22

cis-1,2-Dichloroethene
Concen: 4.623 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

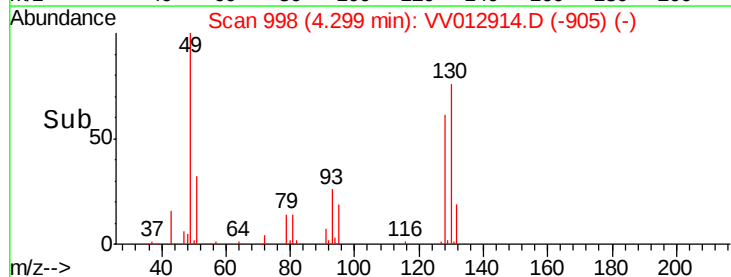
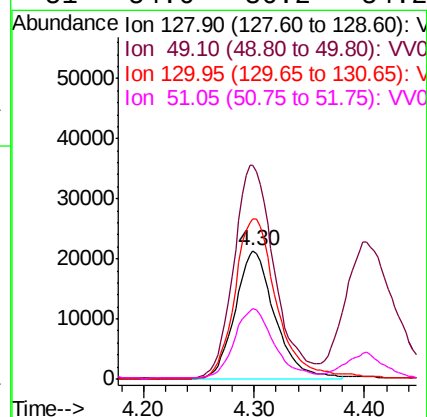
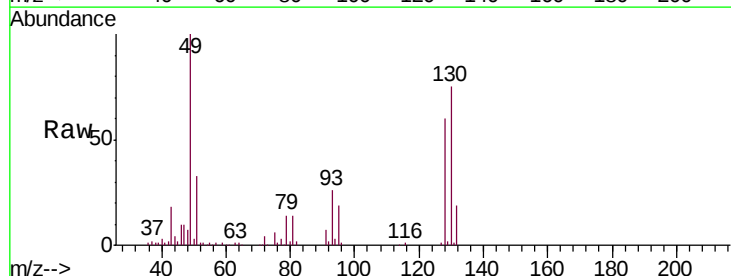
Tgt Ion: 96 Resp: 122622
Ion Ratio Lower Upper
96 100
61 127.6 90.0 167.2
68 0.0 0.0 0.0

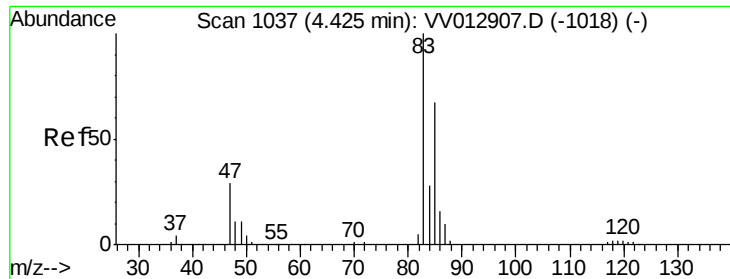


#23

Bromochloromethane
Concen: 4.595 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion: 128 Resp: 53463
Ion Ratio Lower Upper
128 100
49 166.2 105.1 195.1
130 124.9 88.9 165.1
51 54.6 36.2 54.2#

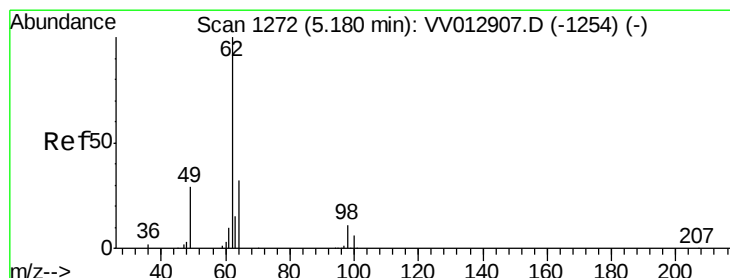
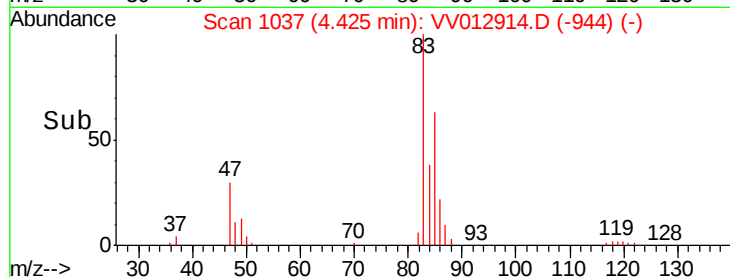
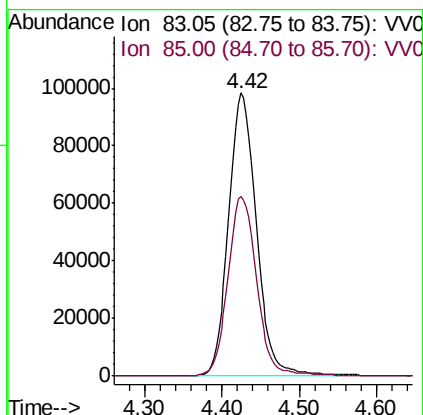
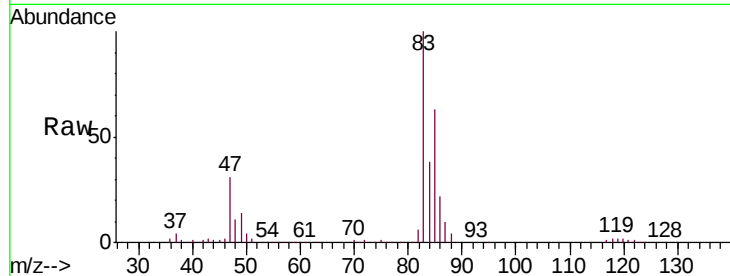




#25
Chloroform
Concen: 4.398 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

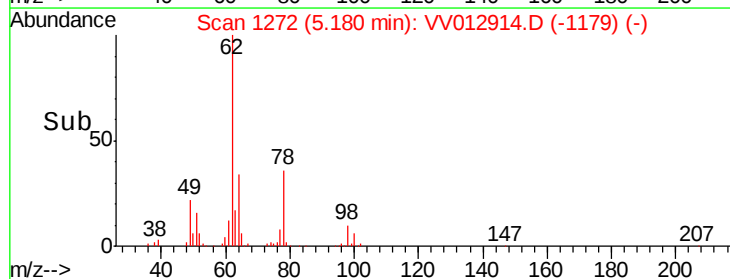
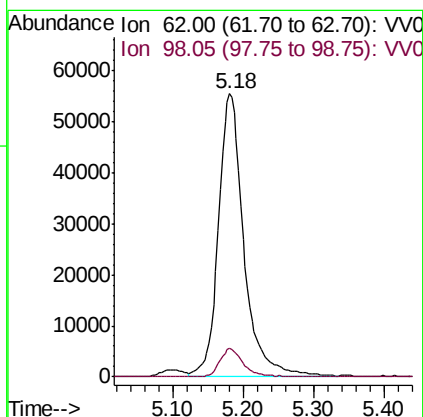
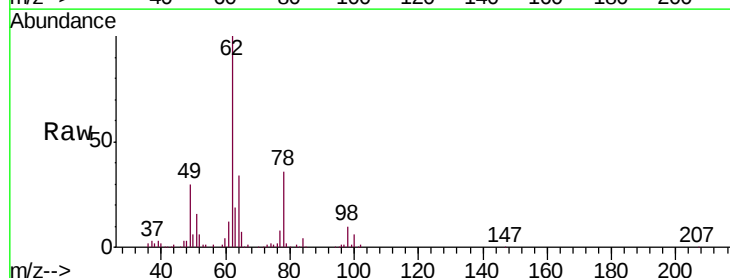
Instrument :
MSVOA_V
ClientSampled :
VSTD005002

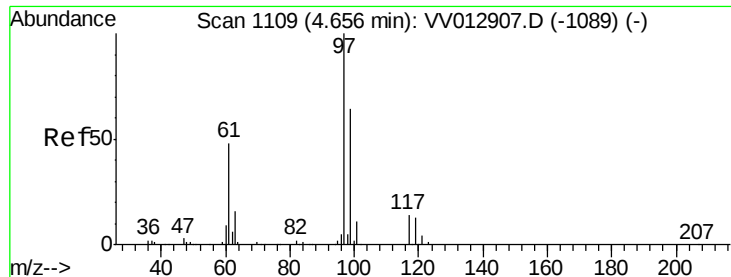
Tgt Ion: 83 Resp: 245670
Ion Ratio Lower Upper
83 100
85 63.5 45.2 84.0



#27
1,2-Dichloroethane
Concen: 4.498 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion: 62 Resp: 138665
Ion Ratio Lower Upper
62 100
98 10.1 7.0 10.6

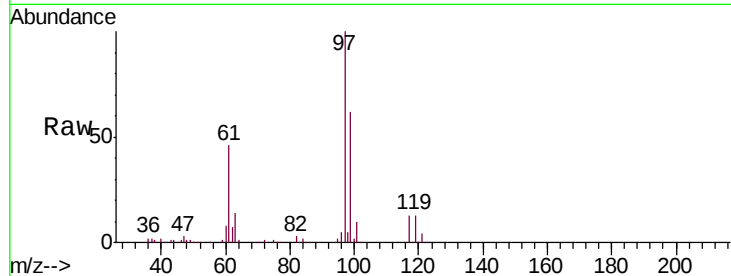




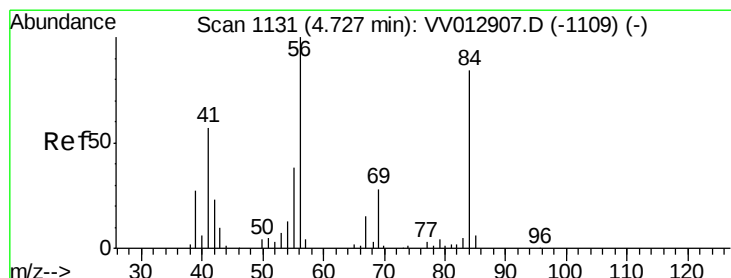
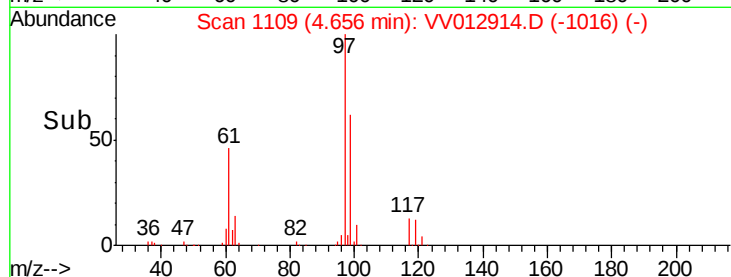
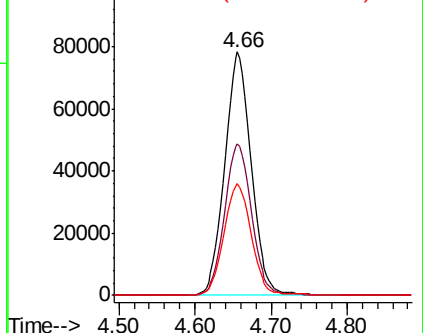
#29
 1,1,1-Trichloroethane
 Concen: 4.202 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD005002

Tgt Ion: 97 Resp: 190699
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.8 77.8
 61 47.0 34.5 51.7

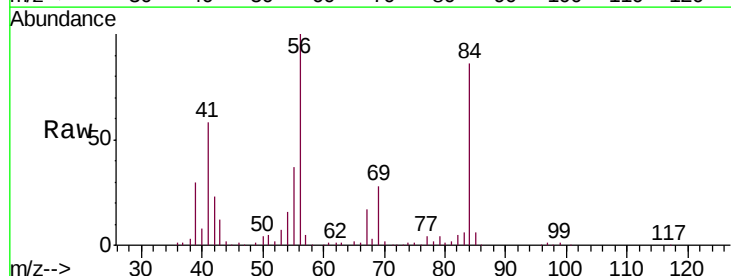


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

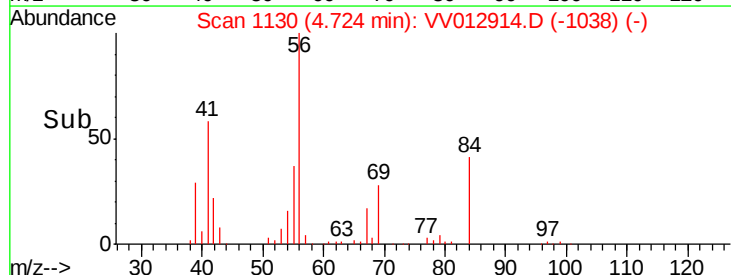
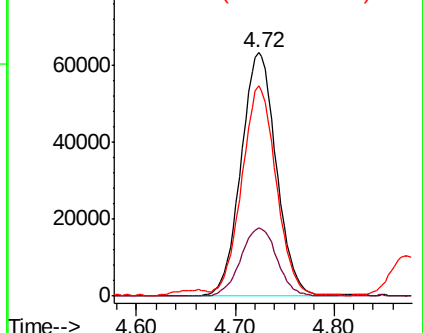


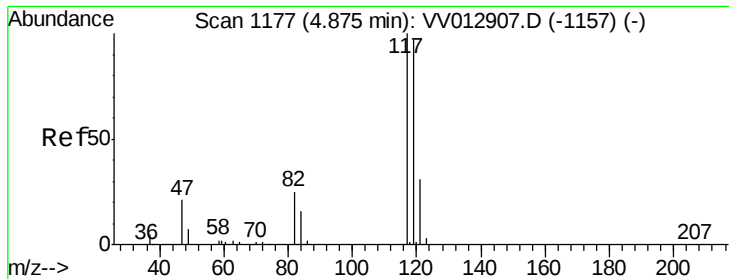
#30
 Cyclohexane
 Concen: 4.019 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Tgt Ion: 56 Resp: 155982
 Ion Ratio Lower Upper
 56 100
 69 28.9 24.8 37.2
 84 83.7 75.4 113.2



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: 3.895 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

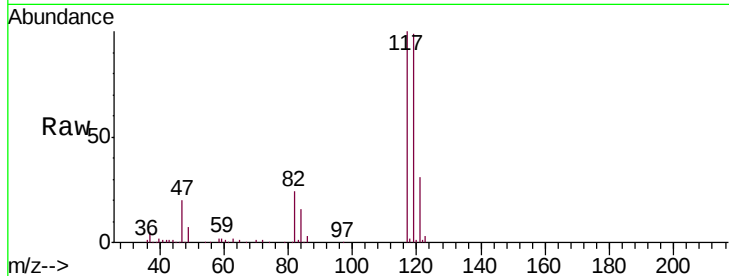
VSTD005002

Tgt Ion:117 Resp: 159056

Ion Ratio Lower Upper

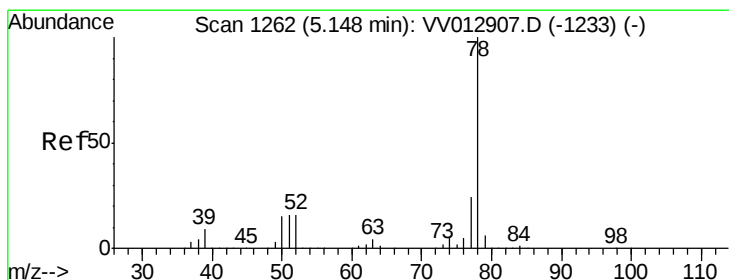
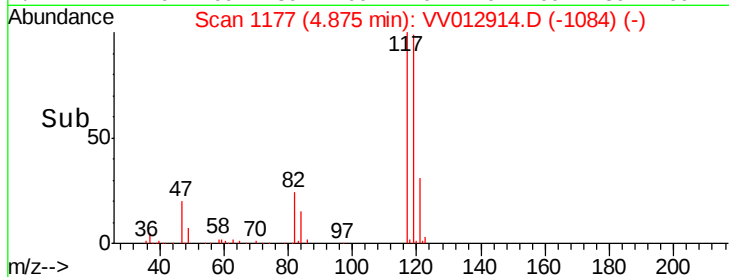
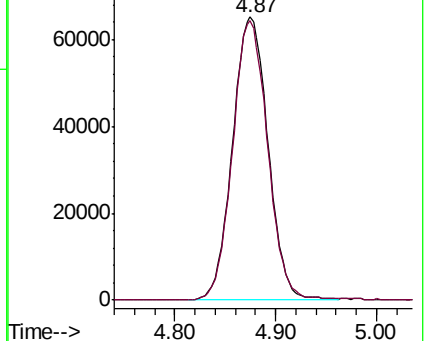
117 100

119 97.6 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.867 ug/L

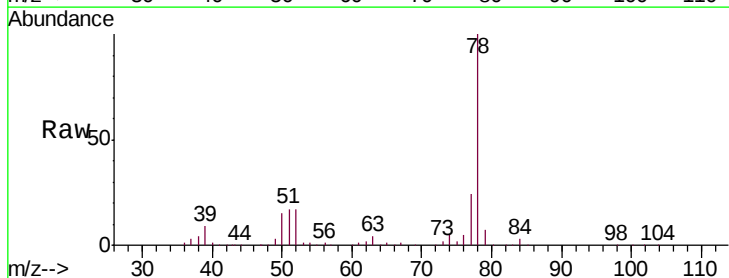
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

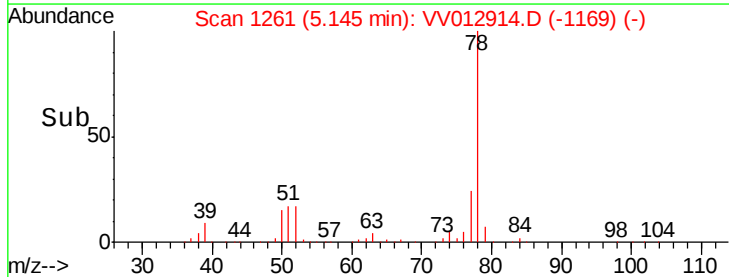
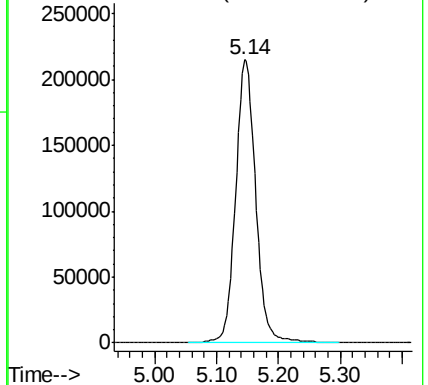
Lab File: VV012914.D

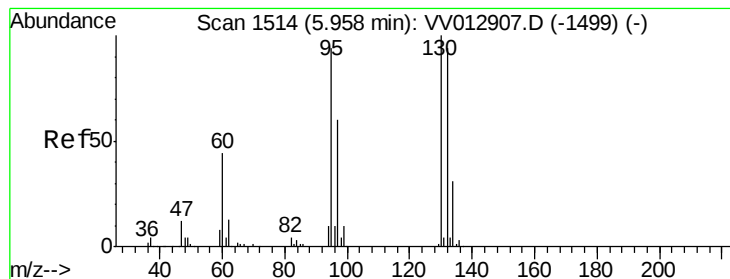
Acq: 19 Sep 2019 01:24

Tgt Ion: 78 Resp: 485329



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.358 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

Tgt Ion: 95 Resp: 123924

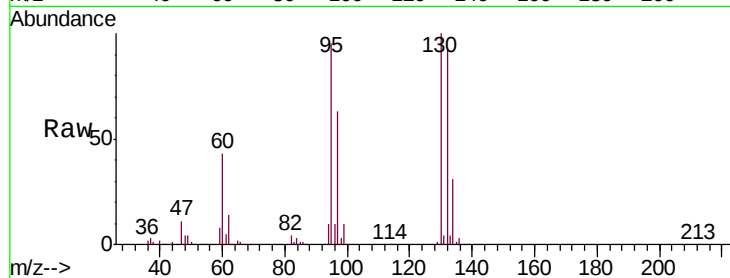
Ion Ratio Lower Upper

95 100

97 65.9 42.8 79.6

132 97.9 70.8 131.6

130 105.4 72.3 134.3



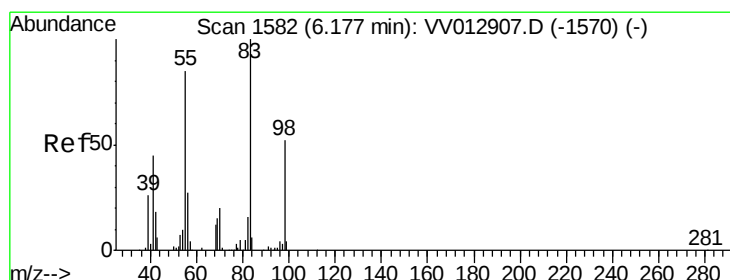
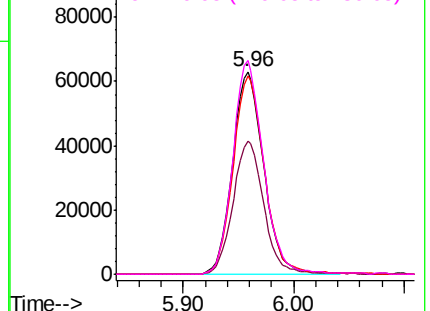
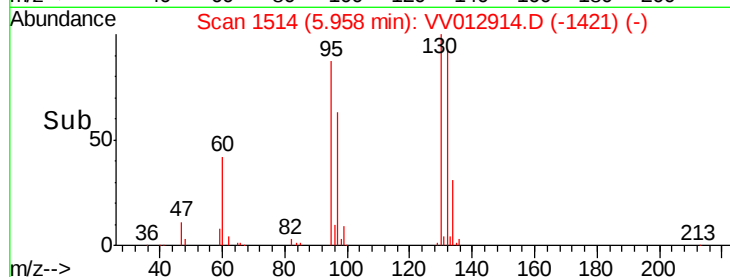
Abundance

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: 3.477 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

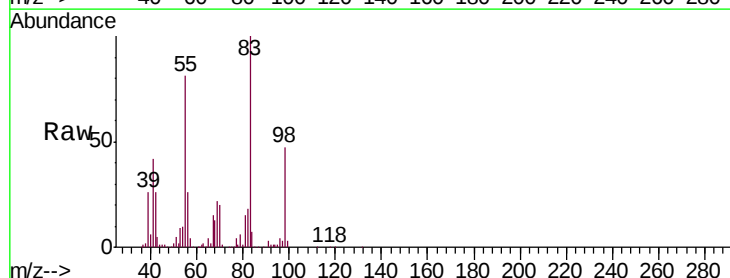
Tgt Ion: 83 Resp: 154903

Ion Ratio Lower Upper

83 100

55 79.9 60.1 90.1

98 45.9 40.2 60.4

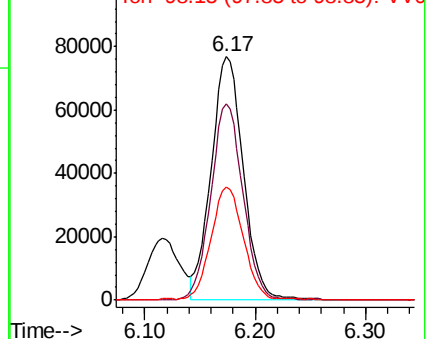
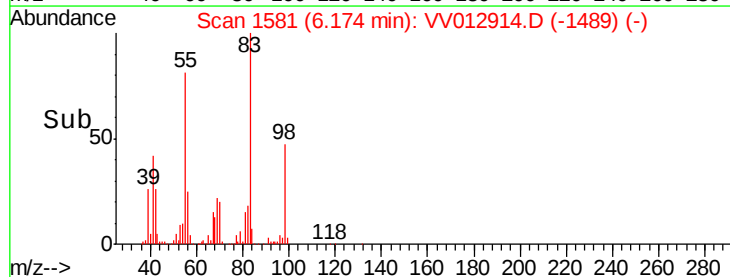


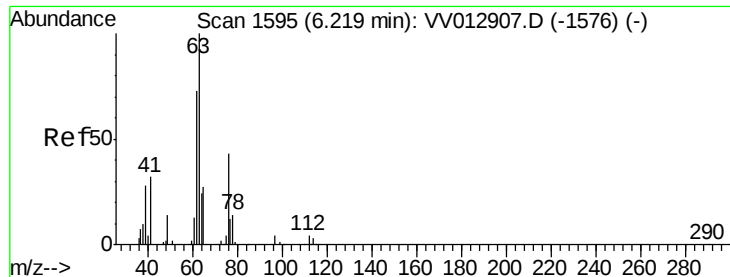
Abundance

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: 5.640 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

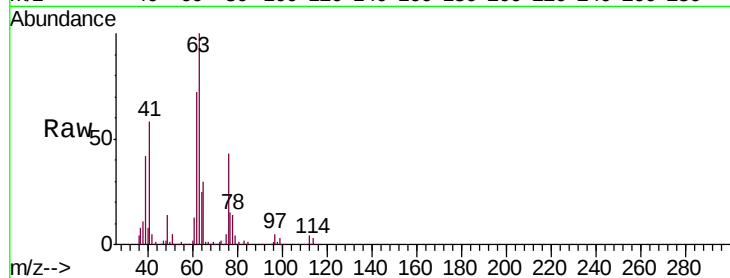
VSTD005002

Tgt Ion: 63 Resp: 130109

Ion Ratio Lower Upper

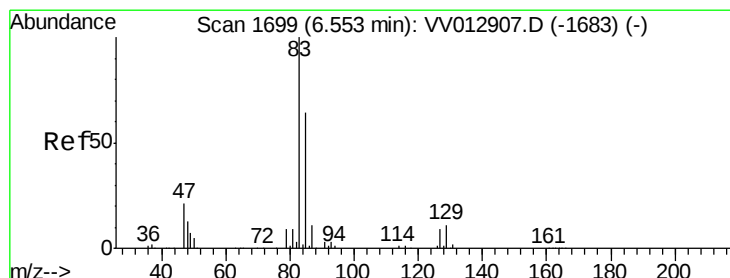
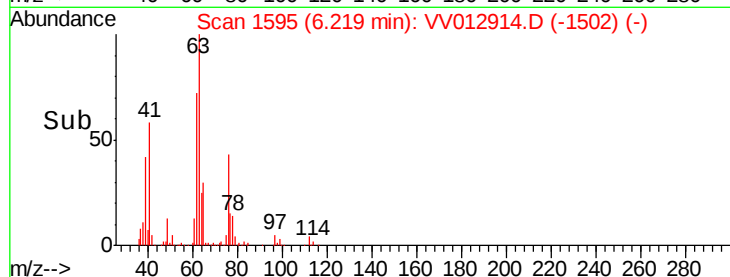
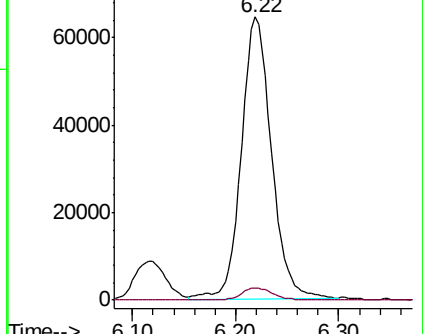
63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV012914.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012914.D (-1502) (-)



#38

Bromodichloromethane

Concen: 5.073 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

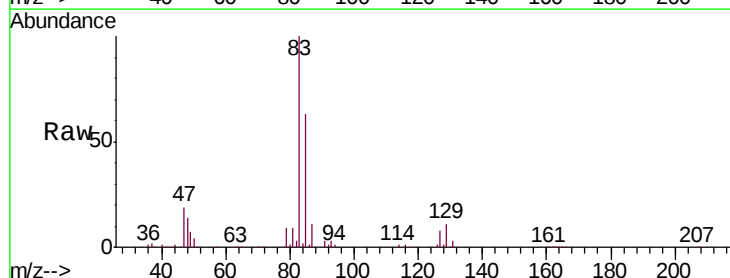
Tgt Ion: 83 Resp: 165256

Ion Ratio Lower Upper

83 100

85 63.2 43.9 81.5

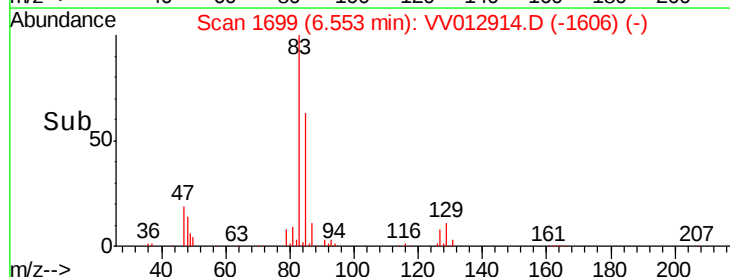
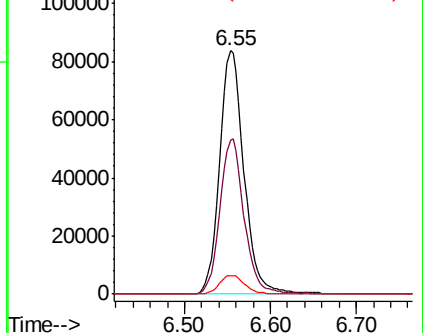
127 7.7 6.9 10.3

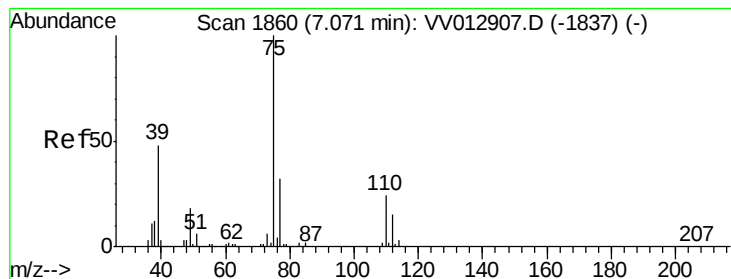


Abundance Ion 82.95 (82.65 to 83.65): VV012914.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012914.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV012914.D (-1606) (-)



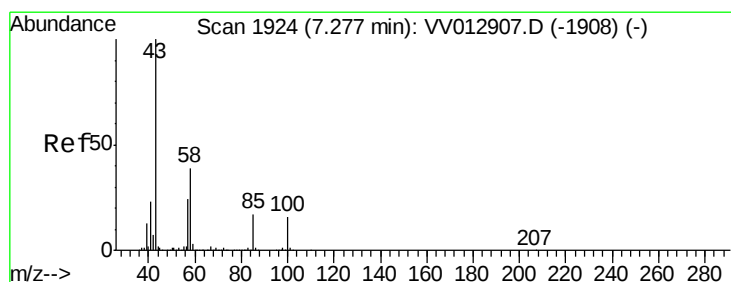
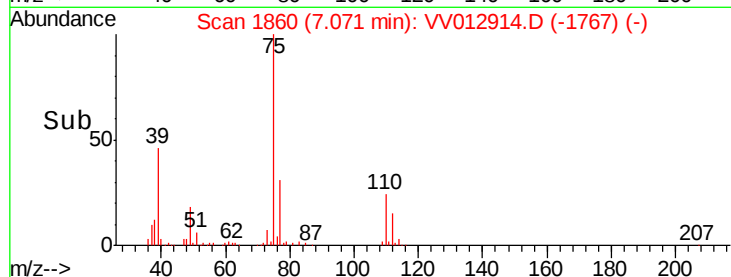
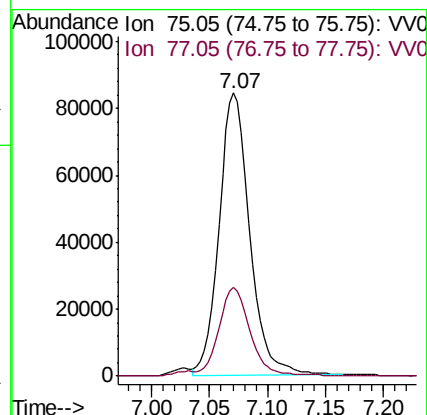
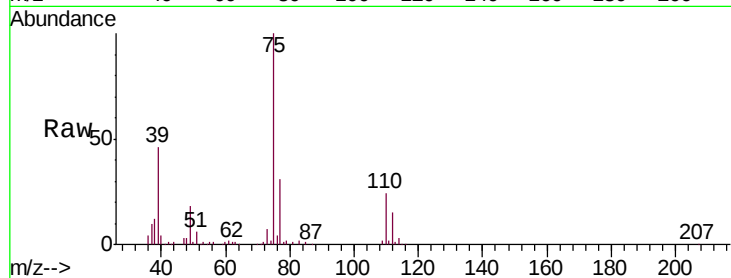


#39

cis-1,3-Dichloropropene
Concen: 4.286 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

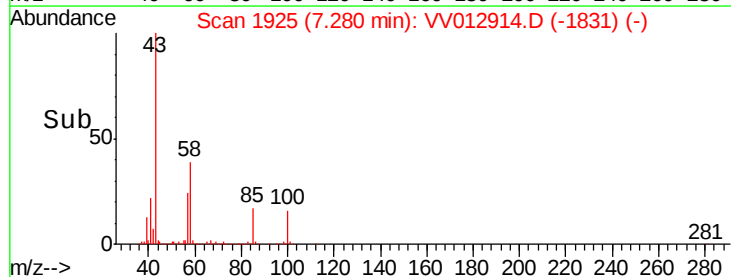
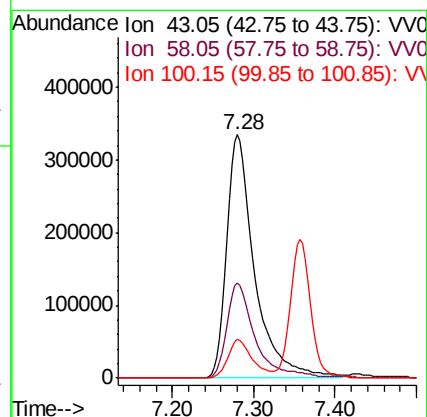
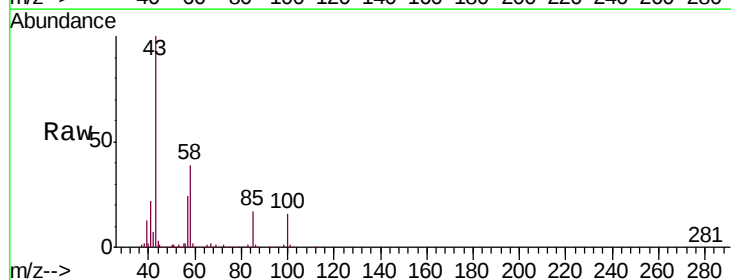
Tgt Ion: 75 Resp: 155059
Ion Ratio Lower Upper
75 100
77 31.2 22.4 41.6

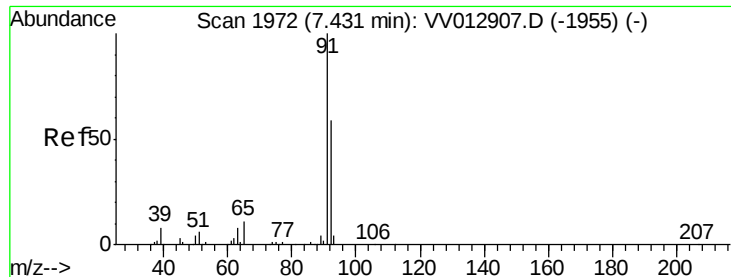


#40

4-Methyl-2-pentanone
Concen: 62.108 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion: 43 Resp: 808224
Ion Ratio Lower Upper
43 100
58 39.6 31.9 47.9
100 13.9 14.0 21.0#





#42

Toluene

Concen: 4.688 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

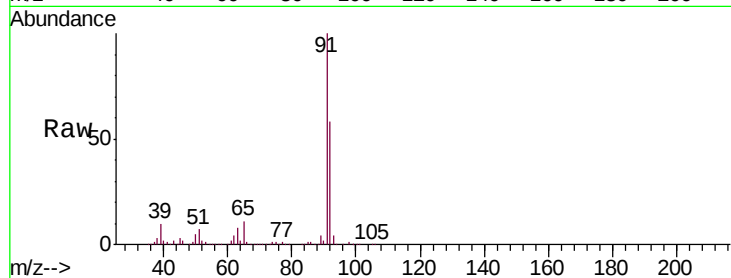
VSTD005002

Tgt Ion: 91 Resp: 519710

Ion Ratio Lower Upper

91 100

92 58.2 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012907.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV012907.D (-1955) (-)

7.43

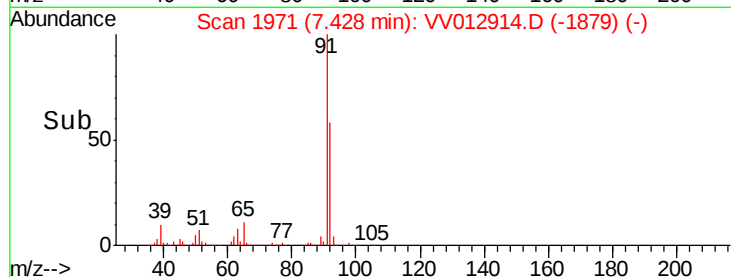
300000

200000

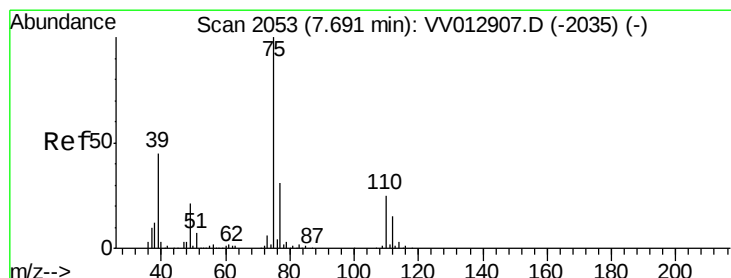
100000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.489 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012914.D

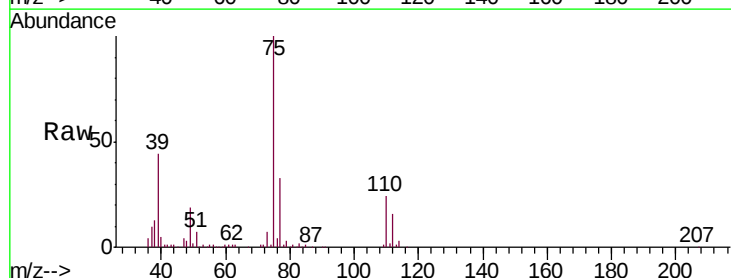
Acq: 19 Sep 2019 01:24

Tgt Ion: 75 Resp: 131276

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV012907.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012907.D (-2035) (-)

7.69

80000

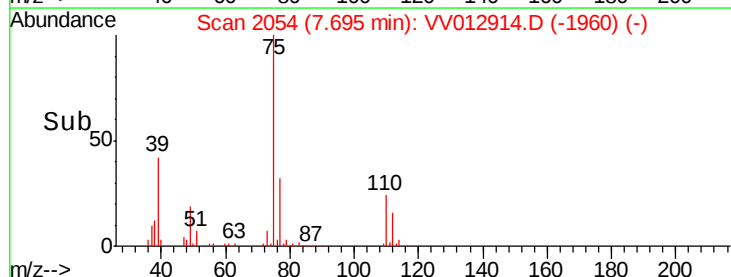
60000

40000

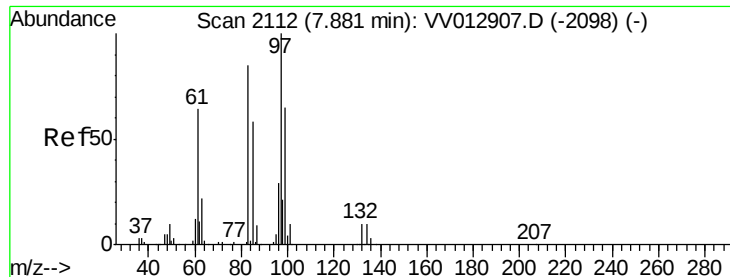
20000

0

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 5.313 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

Tgt Ion: 97 Resp: 93476

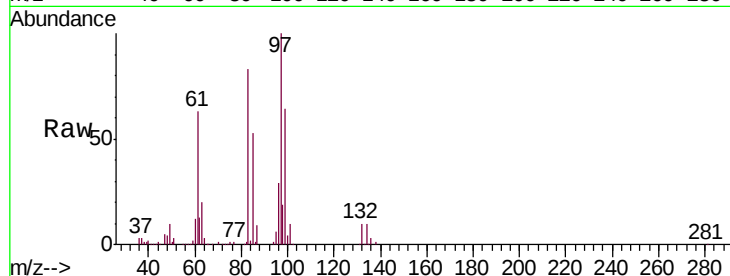
Ion Ratio Lower Upper

97 100

99 64.0 42.0 78.0

83 82.8 57.6 107.0

85 53.4 34.6 64.2

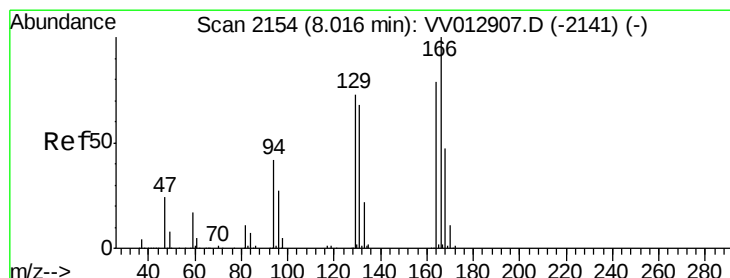
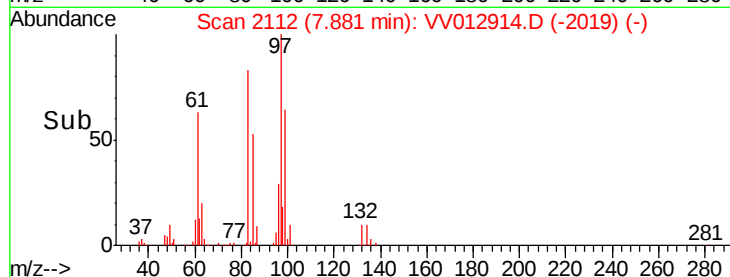
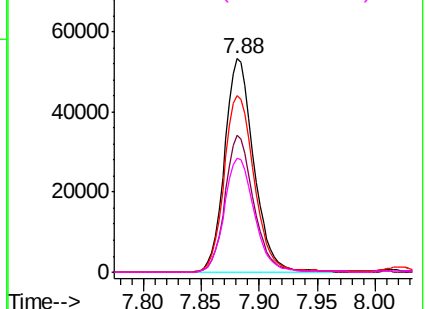


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 3.921 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Tgt Ion: 164 Resp: 97451

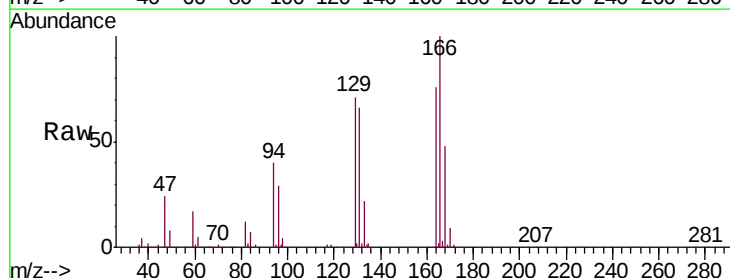
Ion Ratio Lower Upper

164 100

129 92.5 61.9 114.9

131 86.6 59.4 110.4

166 130.8 89.6 166.4

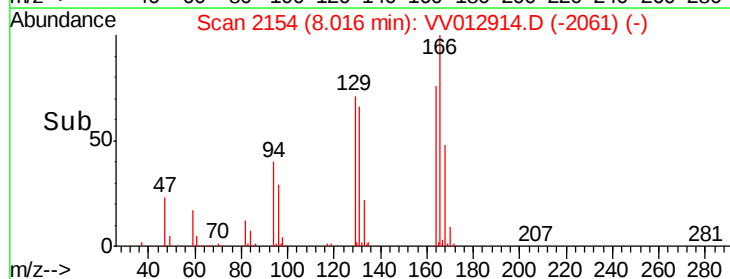
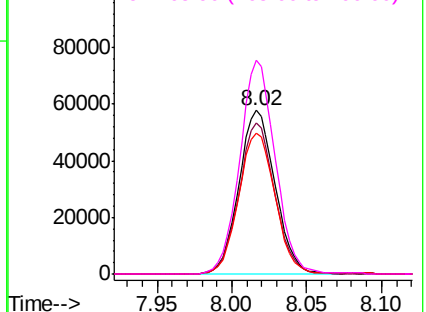


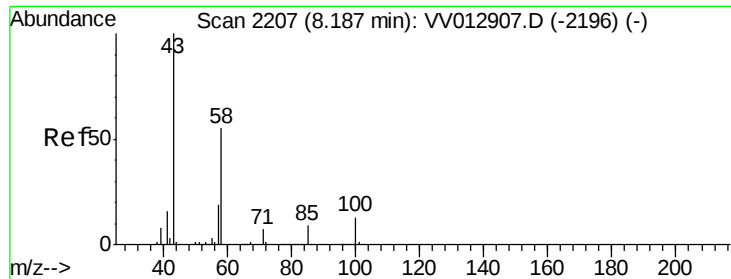
Abundance Ion 163.90 (163.60 to 164.60): V

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

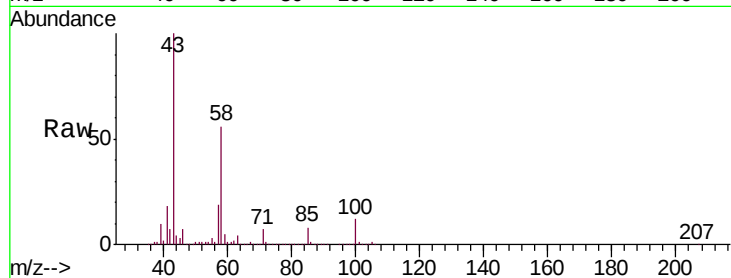




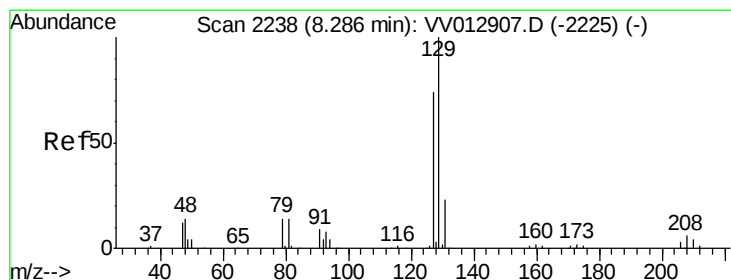
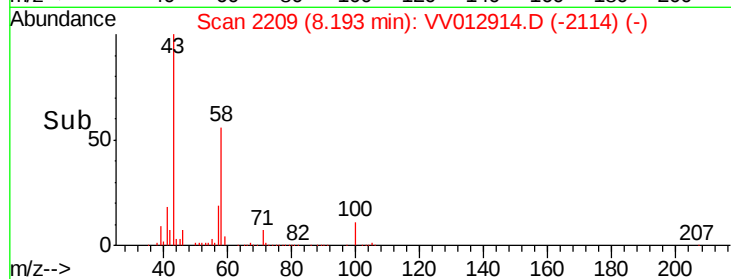
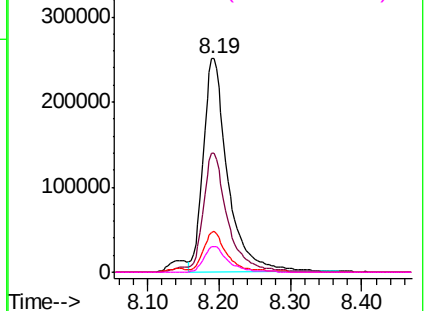
#48
2-Hexanone
Concen: 64.890 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

Tgt Ion: 43 Resp: 596788
Ion Ratio Lower Upper
43 100
58 57.3 44.1 66.1
57 17.7 16.1 24.1
100 12.2 11.3 16.9

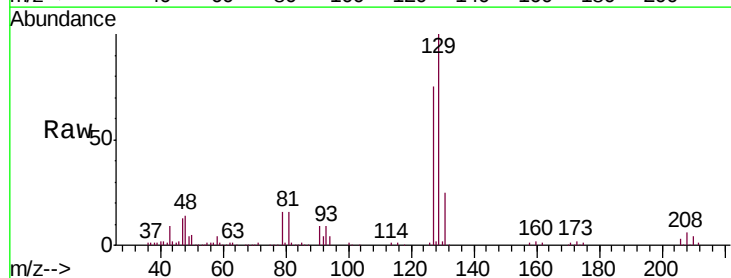


Abundance Ion 43.05 (42.75 to 43.75): VV012914.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV012914.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV012914.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV012914.D (-2196) (-)

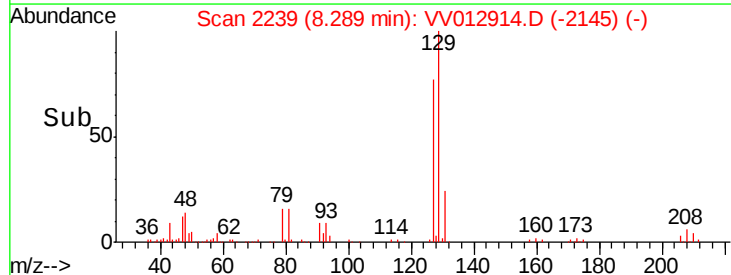
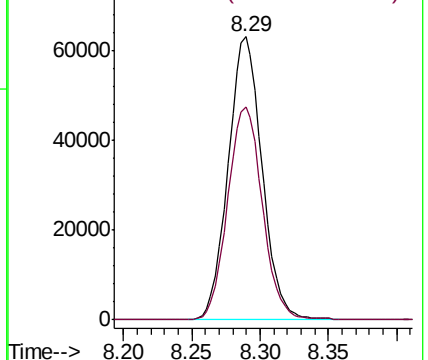


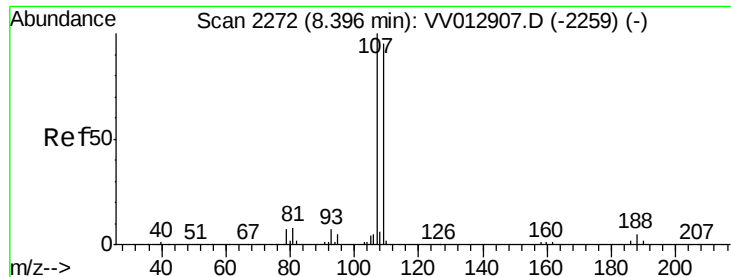
#49
Dibromochloromethane
Concen: 5.056 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion: 129 Resp: 109058
Ion Ratio Lower Upper
129 100
127 75.1 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VV012914.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV012914.D (-2145) (-)

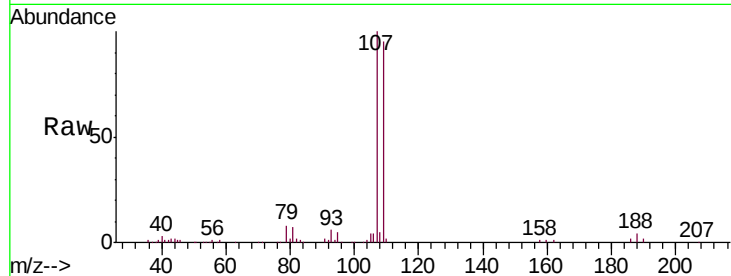




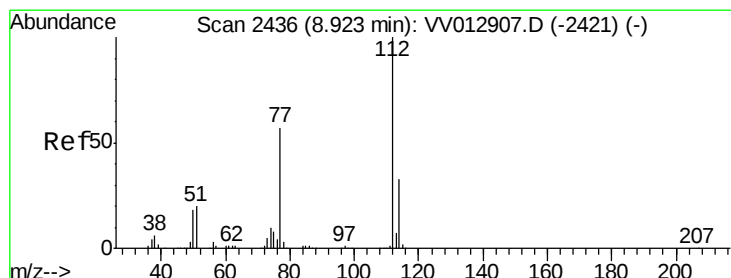
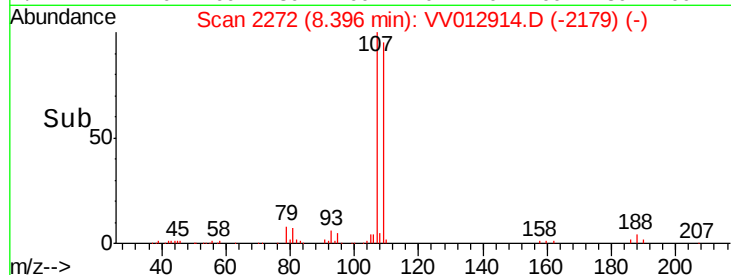
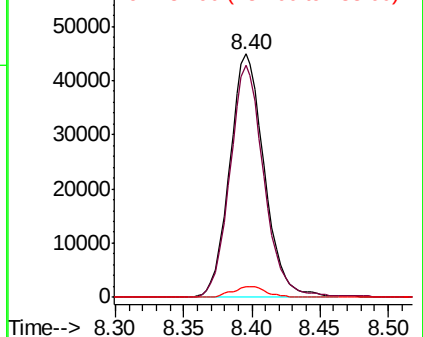
#50
 1,2-Dibromoethane
 Concen: 4.803 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005002

Tgt Ion:107 Resp: 78981
 Ion Ratio Lower Upper
 107 100
 109 95.1 66.3 123.1
 188 4.2 3.4 5.0

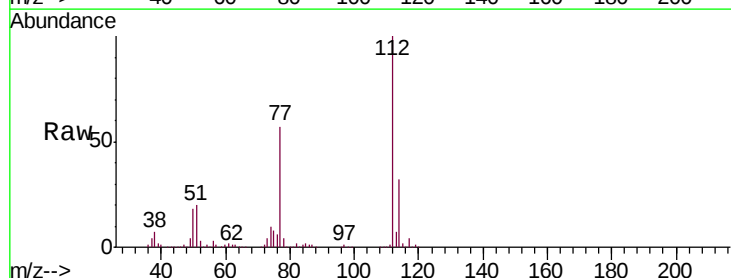


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

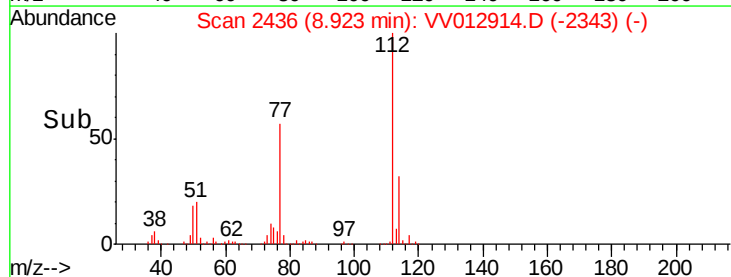
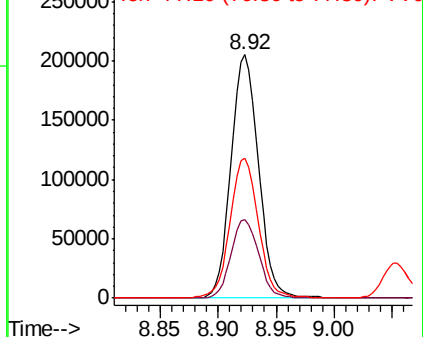


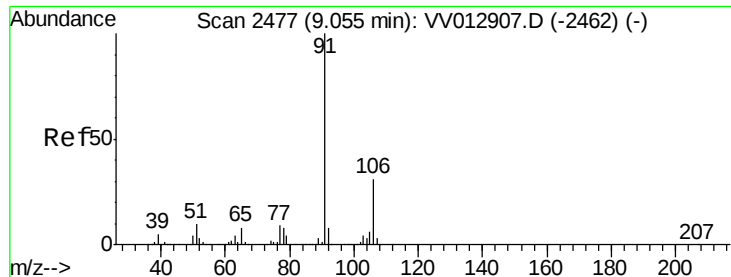
#51
 Chlorobenzene
 Concen: 4.556 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Tgt Ion:112 Resp: 337750
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.1 41.1
 77 57.4 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: 4.312 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

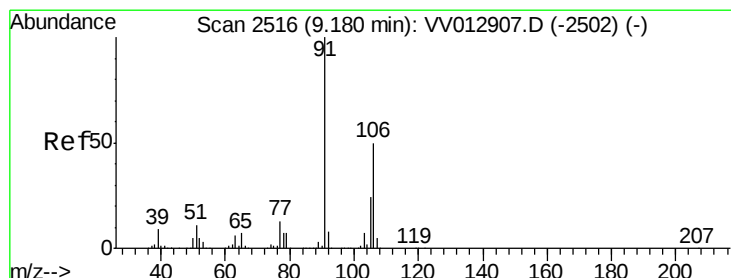
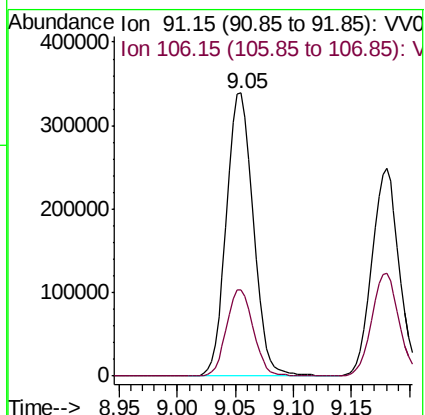
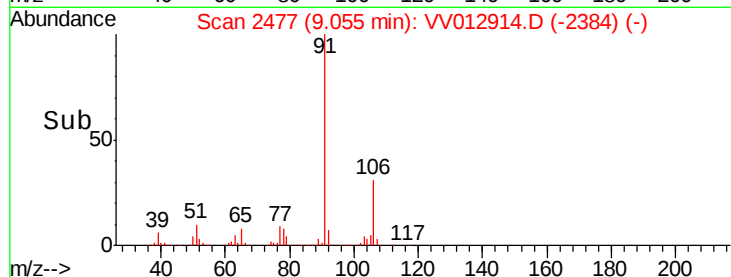
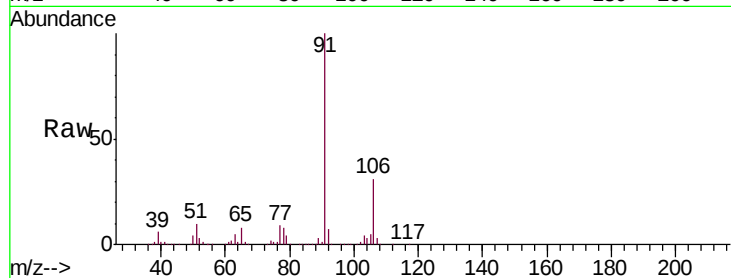
VSTD005002

Tgt Ion: 91 Resp: 545569

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.2



#53

m,p-xylene

Concen: 4.242 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012914.D

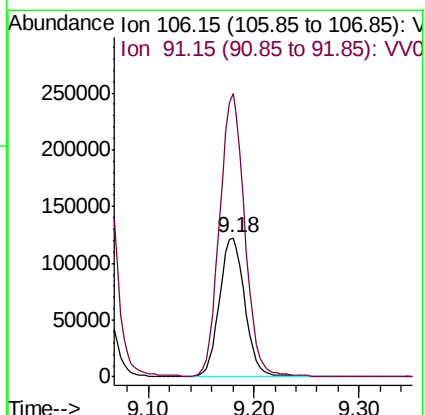
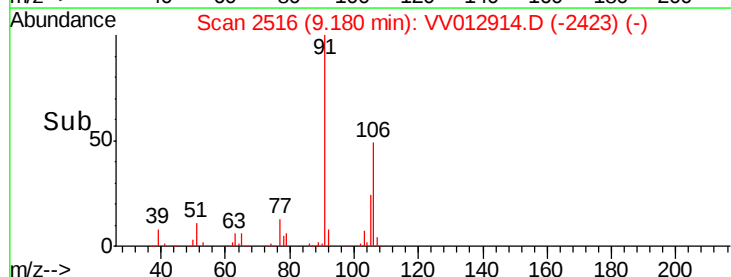
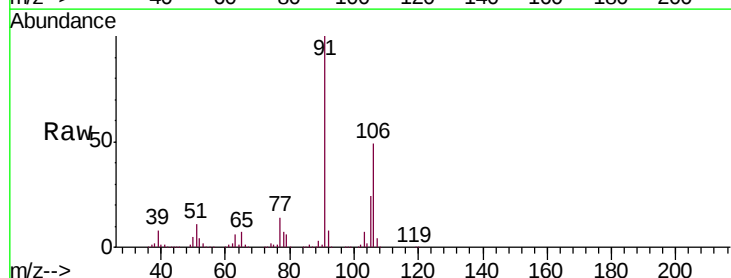
Acq: 19 Sep 2019 01:24

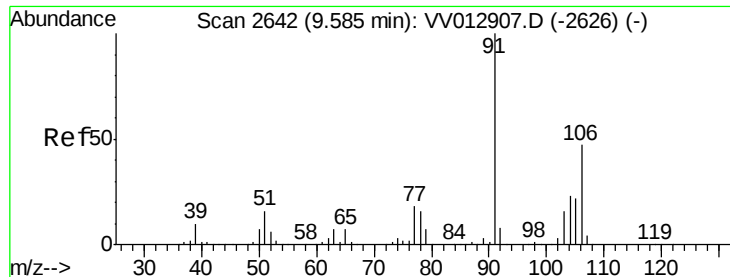
Tgt Ion: 106 Resp: 204272

Ion Ratio Lower Upper

106 100

91 203.1 141.6 263.0





#54

o-xylene

Concen: 4.391 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

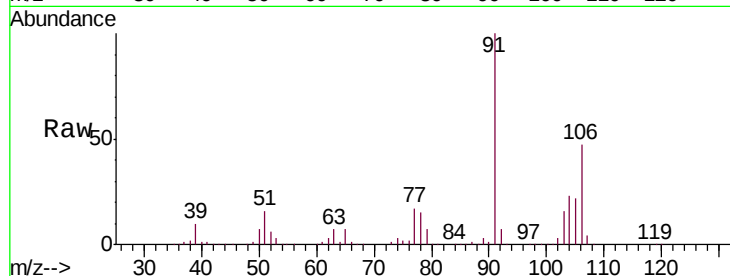
VSTD005002

Tgt Ion:106 Resp: 200158

Ion Ratio Lower Upper

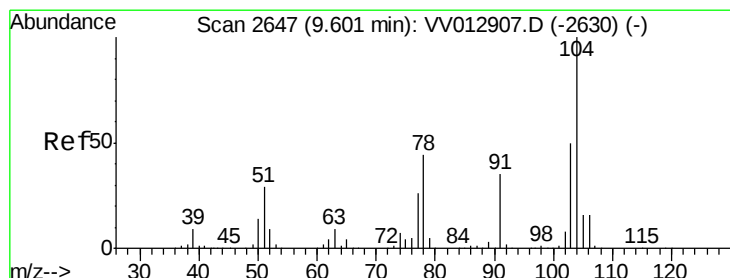
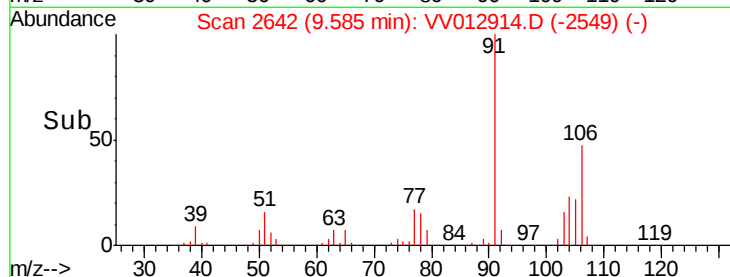
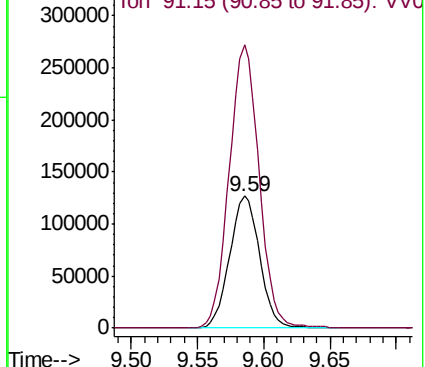
106 100

91 214.8 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.696 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012914.D

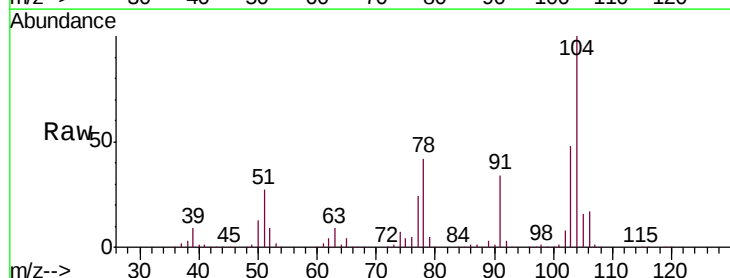
Acq: 19 Sep 2019 01:24

Tgt Ion:104 Resp: 360648

Ion Ratio Lower Upper

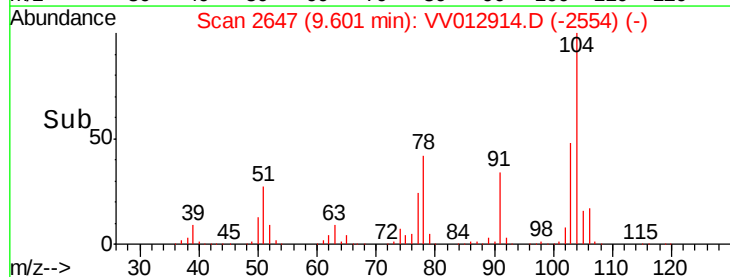
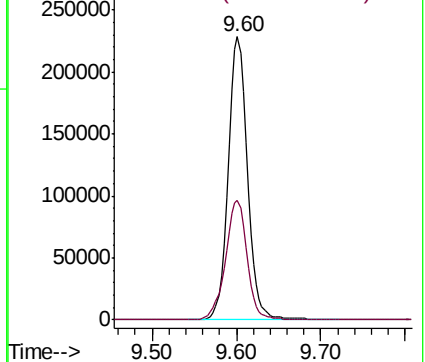
104 100

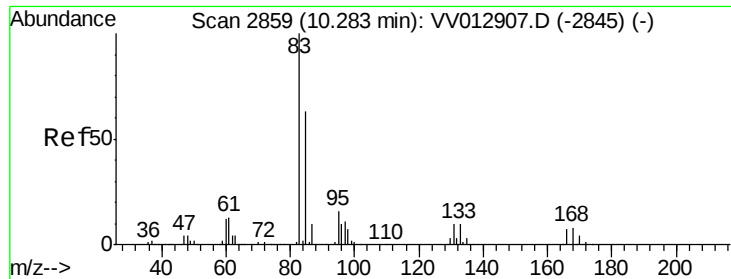
78 42.3 33.3 61.9



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: 5.836 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

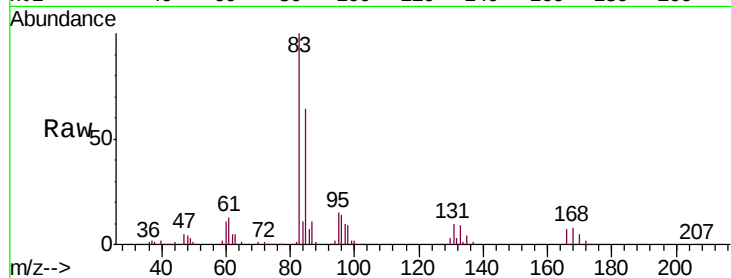
Tgt Ion: 83 Resp: 110197

Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

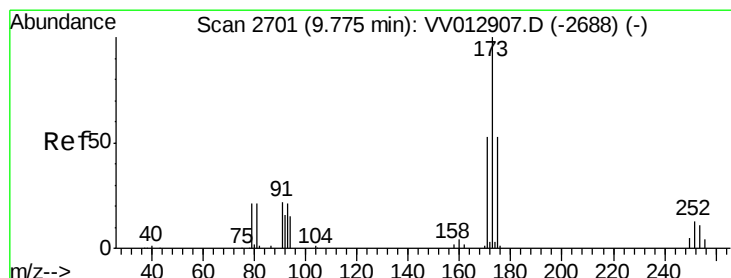
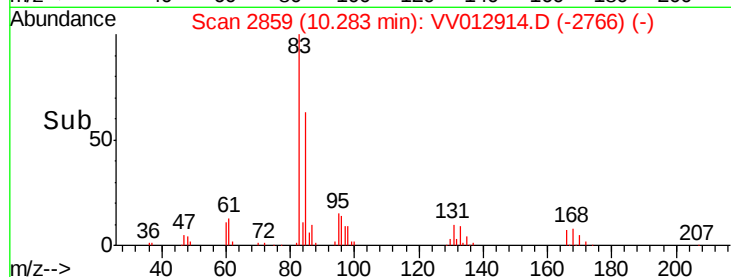
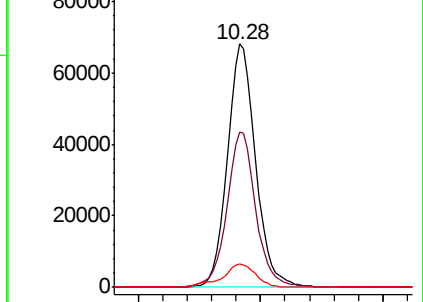
131 9.8 8.3 12.5



Abundance Ion 82.95 (82.65 to 83.65): VV012907.D (-2845) (-)

Ion 85.00 (84.70 to 85.70): VV012907.D (-2845) (-)

Ion 130.95 (130.65 to 131.65): VV012907.D (-2845) (-)



#59

Bromoform

Concen: 5.347 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

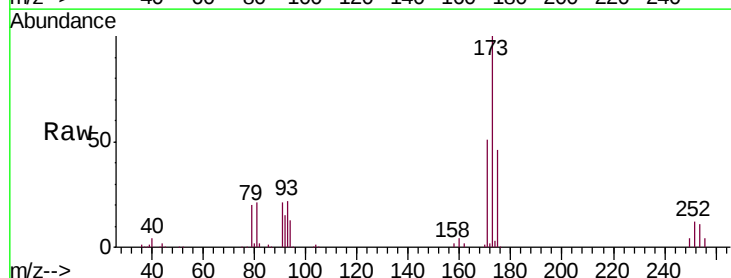
Tgt Ion: 173 Resp: 58800

Ion Ratio Lower Upper

173 100

175 49.0 38.3 57.5

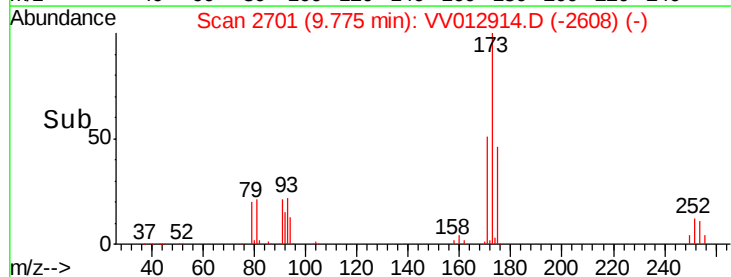
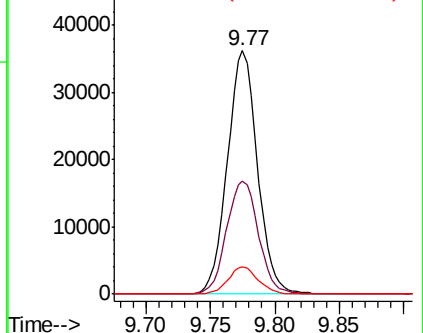
254 11.0 8.6 13.0

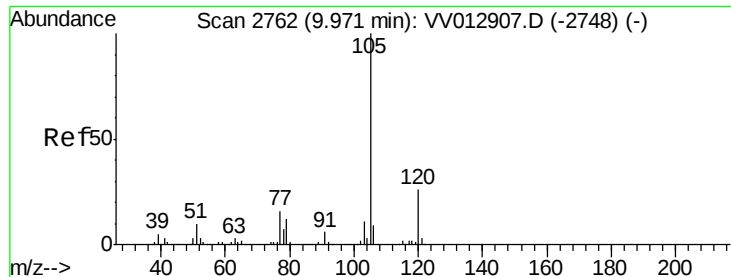


Abundance Ion 172.90 (172.60 to 173.60): VV012907.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012907.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012907.D (-2688) (-)

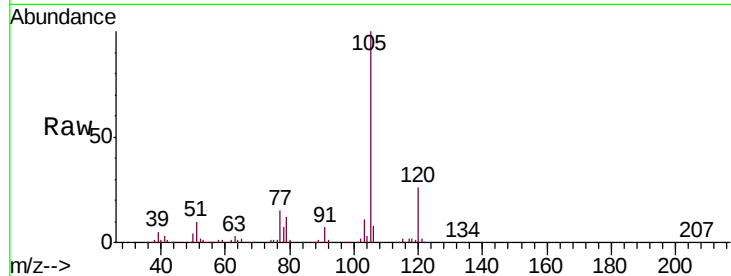




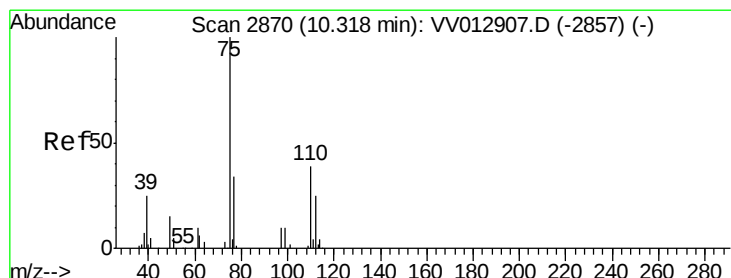
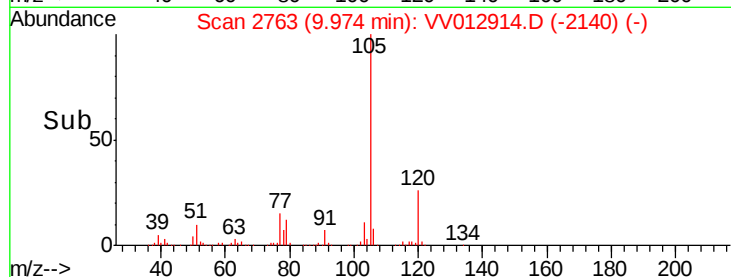
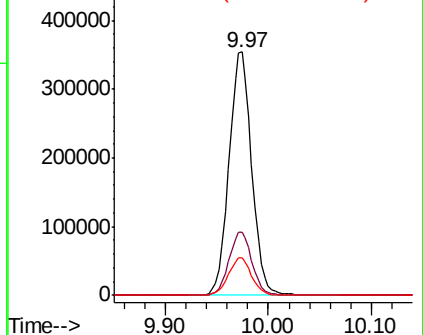
#60
Isopropylbenzene
Concen: 4.675 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.5	32.3
77	15.8	12.3	18.5

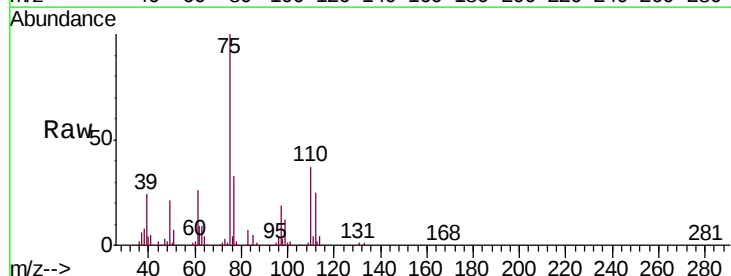


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

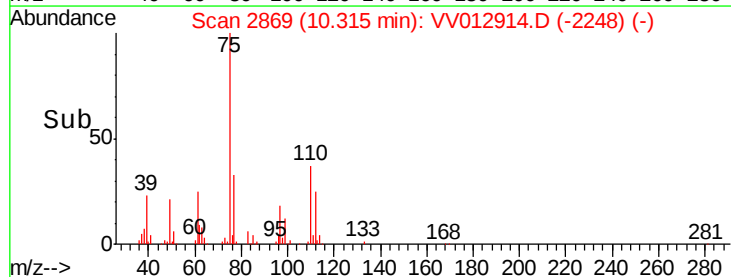
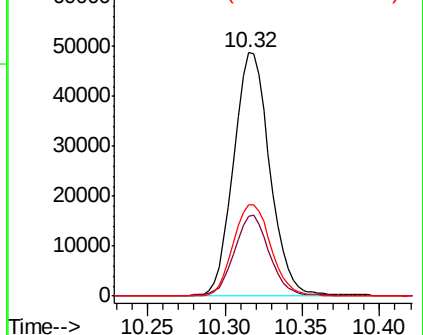


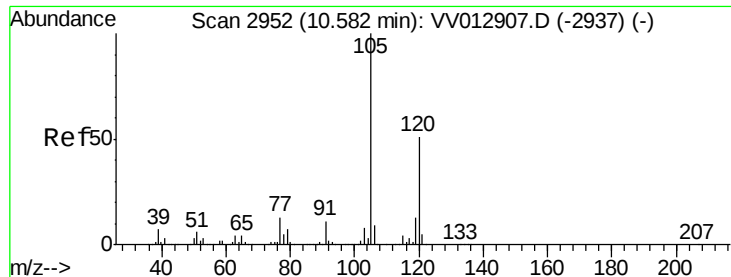
#61
1,2,3-Trichloropropane
Concen: 5.993 ug/L
RT: 10.32 min Scan# 2869
Delta R.T. -0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.8	40.2
110	39.1	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: 4.329 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

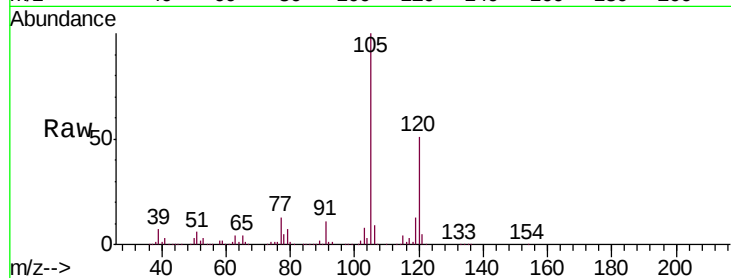
VSTD005002

Tgt Ion:105 Resp: 415441

Ion Ratio Lower Upper

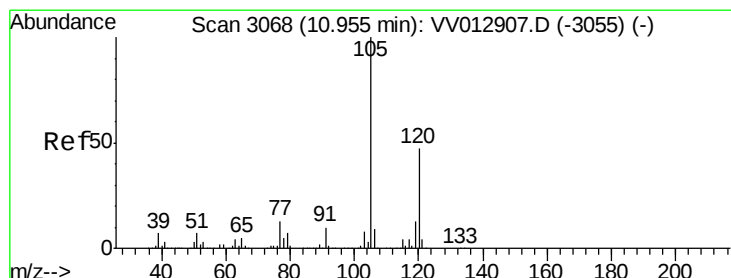
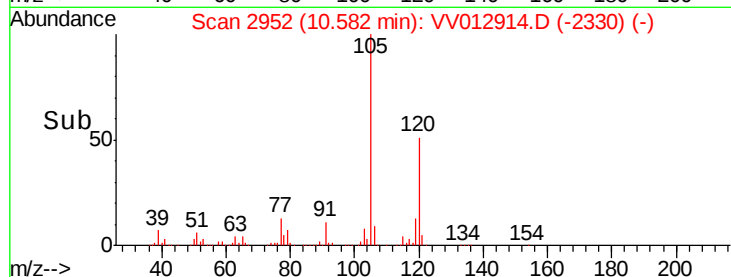
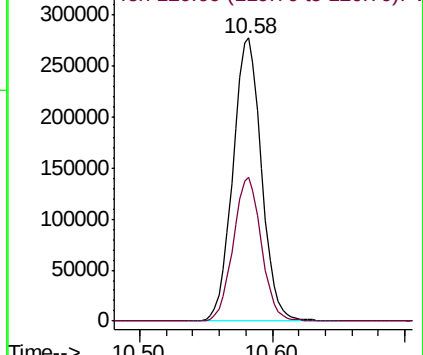
105 100

120 50.2 40.1 60.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 4.534 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV012914.D

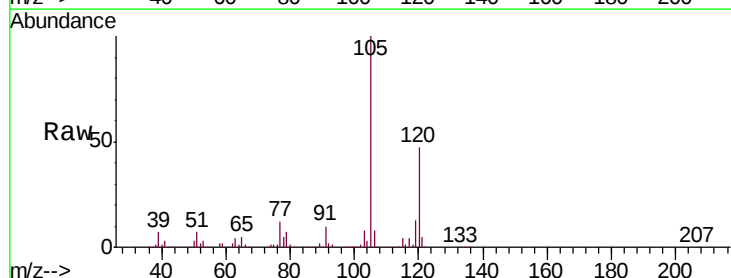
Acq: 19 Sep 2019 01:24

Tgt Ion:105 Resp: 432319

Ion Ratio Lower Upper

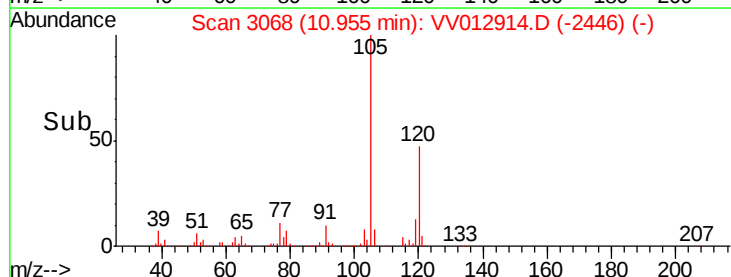
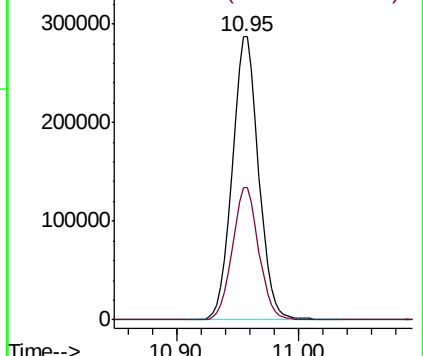
105 100

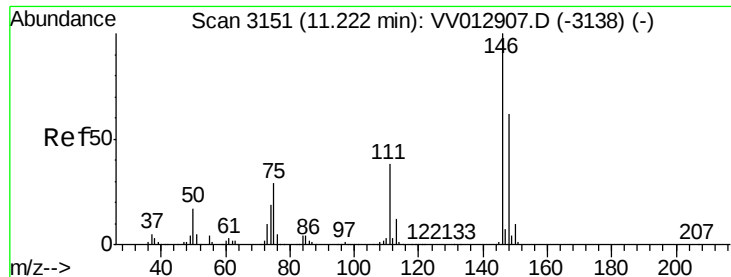
120 46.8 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 4.706 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD005002

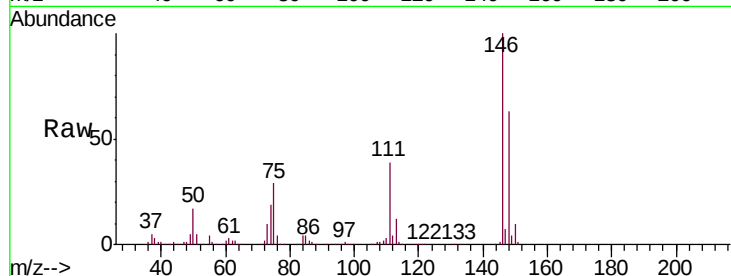
Tgt Ion:146 Resp: 272547

Ion Ratio Lower Upper

146 100

111 39.2 27.2 50.6

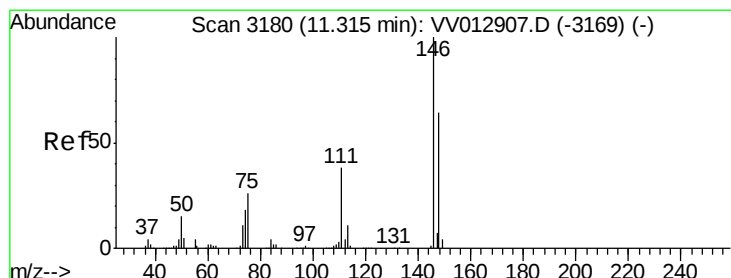
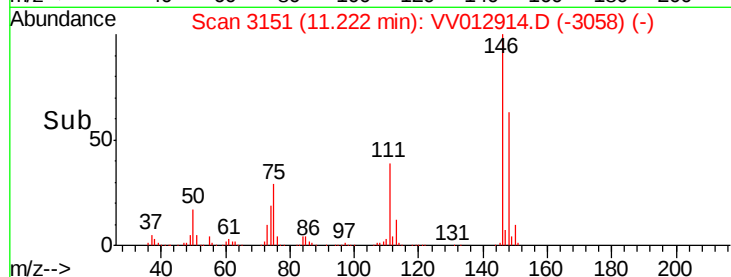
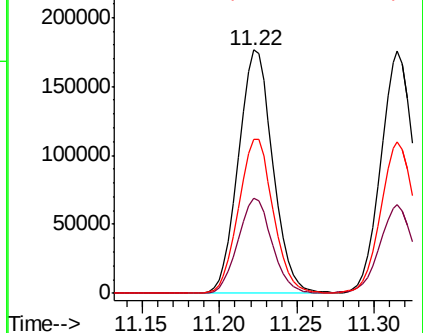
148 63.4 44.5 82.7



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: 4.564 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012914.D

Acq: 19 Sep 2019 01:24

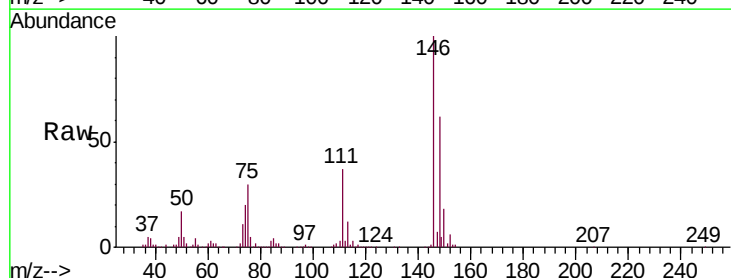
Tgt Ion:146 Resp: 269361

Ion Ratio Lower Upper

146 100

111 36.7 25.8 48.0

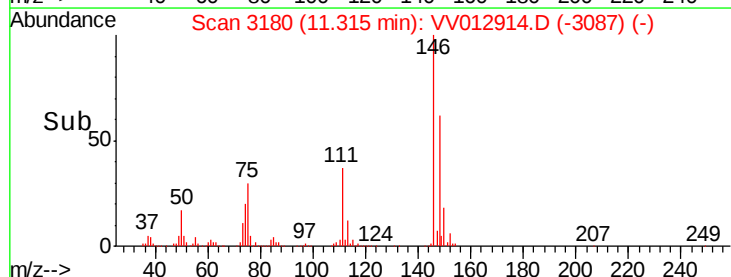
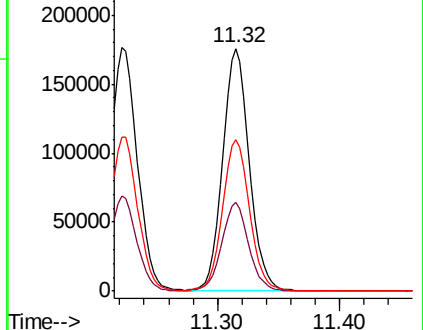
148 62.4 43.8 81.3

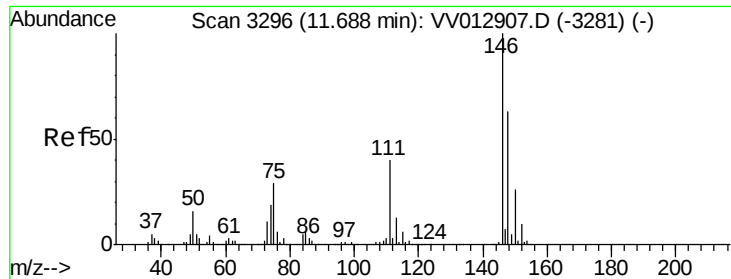


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

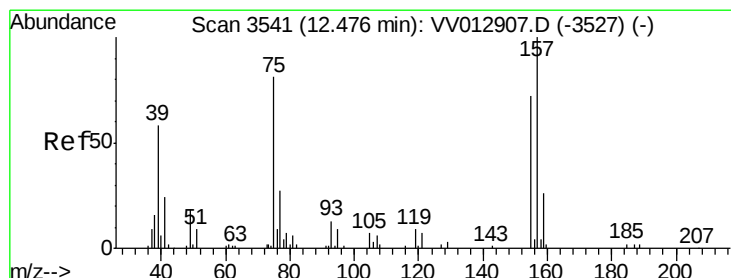
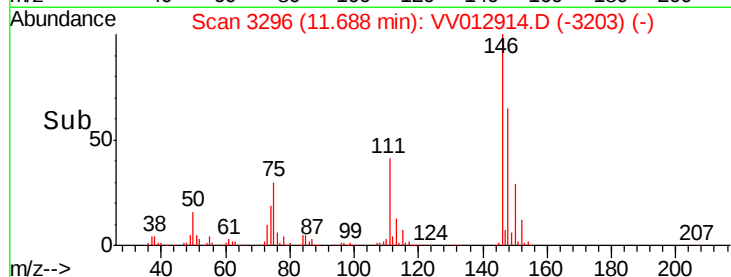
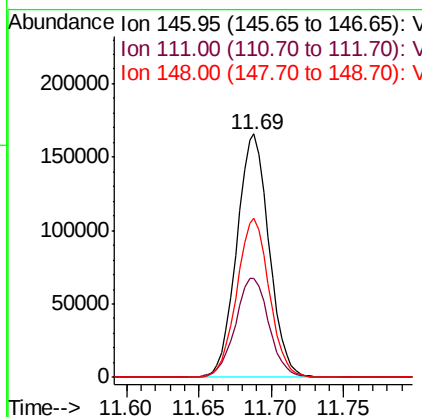
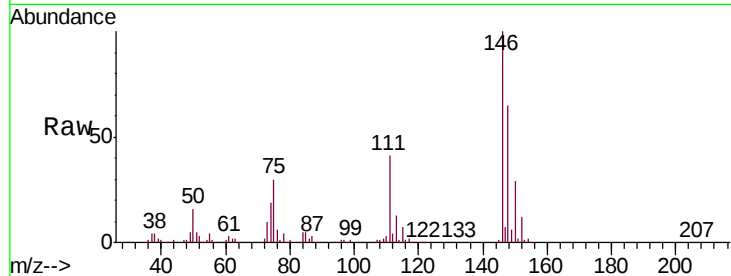




#67
 1,2-Dichlorobenzene
 Concen: 4.881 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

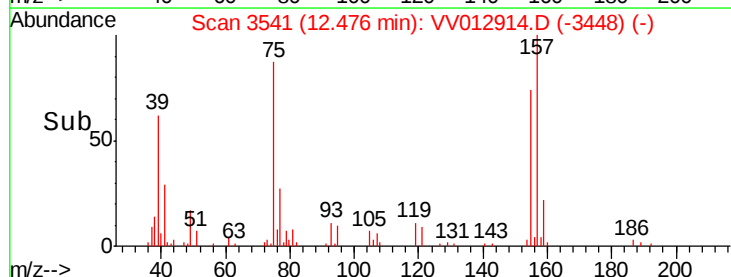
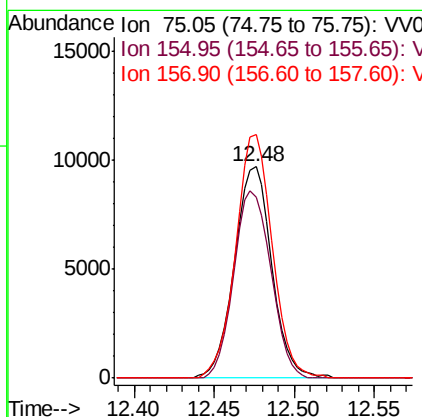
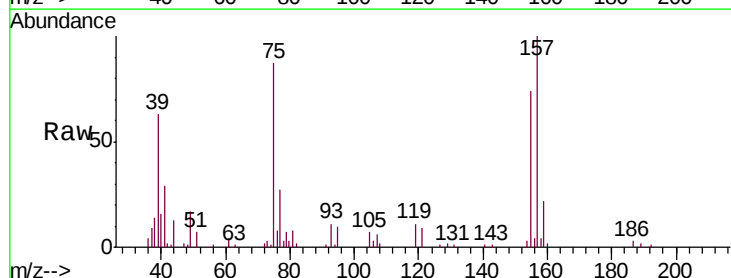
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005002

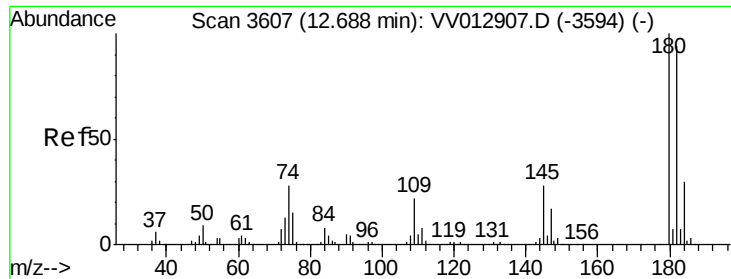
Tgt Ion: 146 Resp: 256896
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.4 48.6
 148 65.3 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.625 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Tgt Ion: 75 Resp: 15378
 Ion Ratio Lower Upper
 75 100
 155 85.8 75.0 112.6
 157 115.4 87.8 131.6

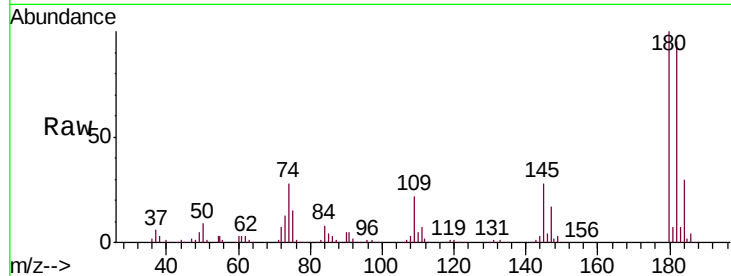




#69
 1,3,5-Trichlorobenzene
 Concen: 4.093 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.1	115.7
184	30.5	24.6	36.8
145	28.3	22.8	34.2



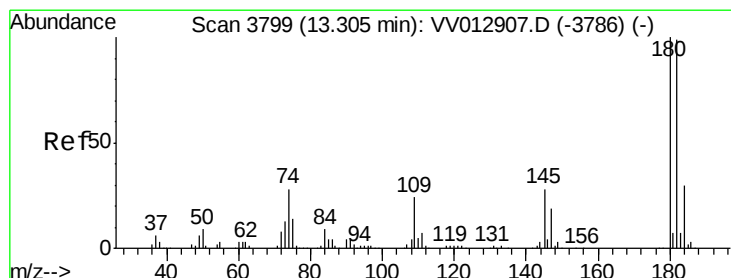
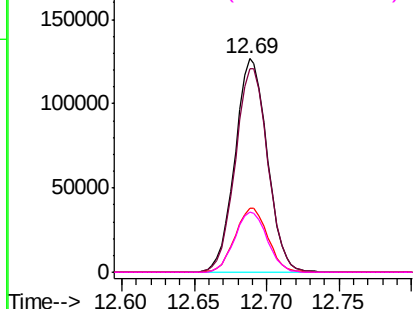
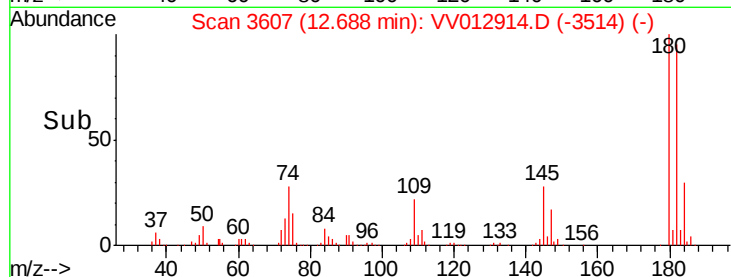
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

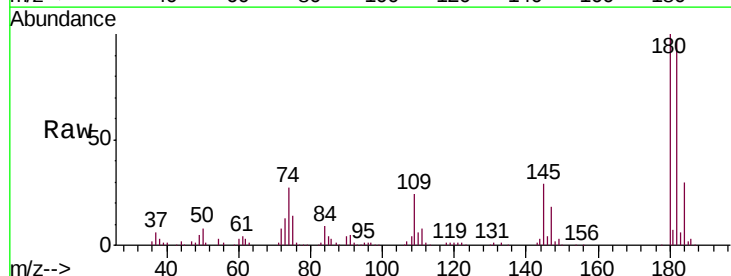
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 3.973 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012914.D
 Acq: 19 Sep 2019 01:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	76.1	114.1
145	28.7	24.3	36.5

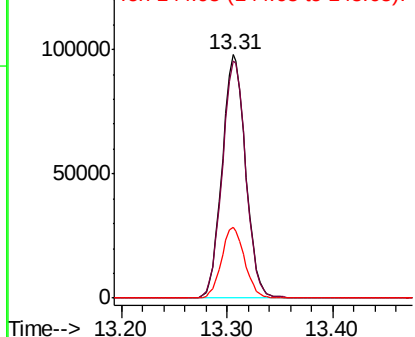
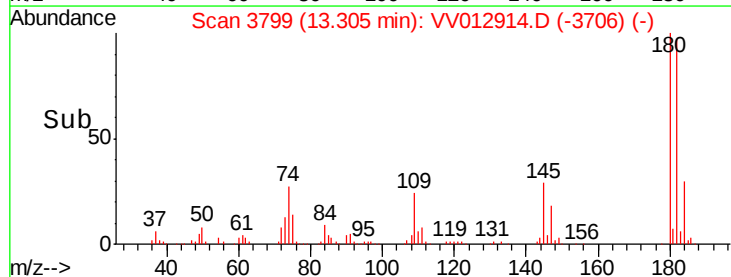


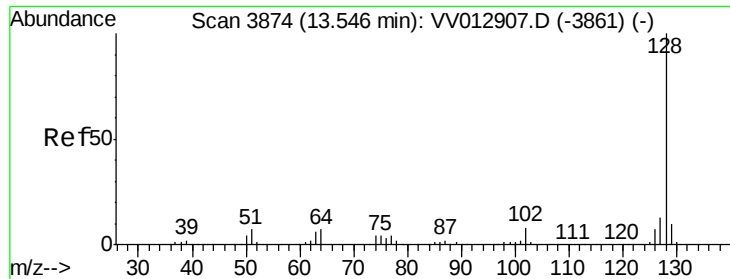
Abundance

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

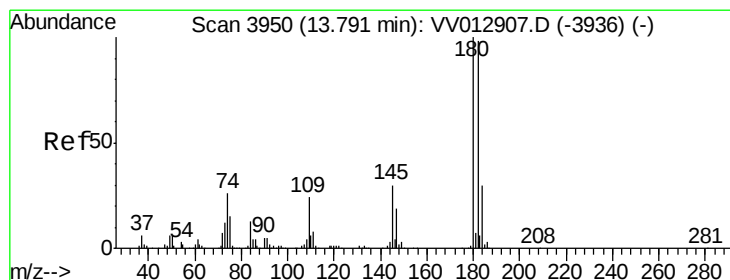
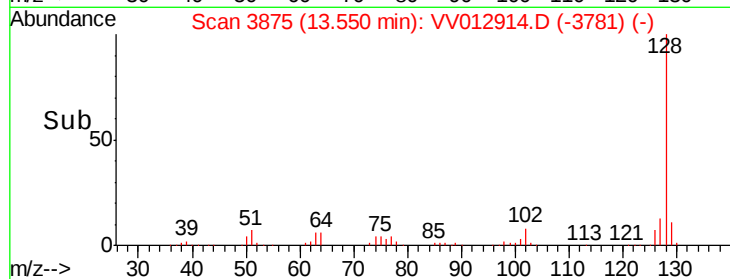
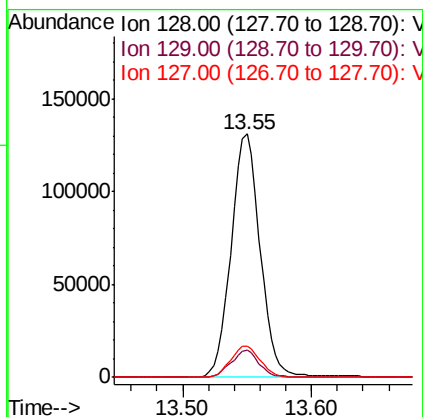
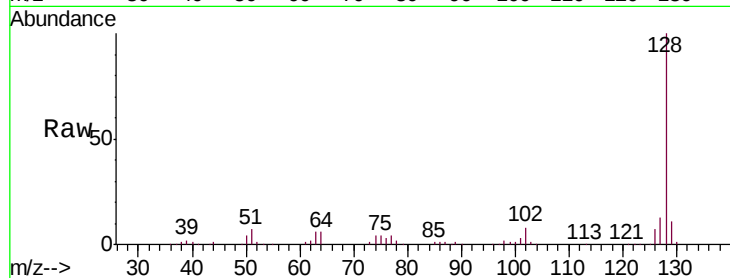




#71
Naphthalene
Concen: 3.910 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD005002

Tgt Ion:128 Resp: 205597
Ion Ratio Lower Upper
128 100
129 10.7 9.1 13.7
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.485 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012914.D
Acq: 19 Sep 2019 01:24

Tgt Ion:180 Resp: 150615
Ion Ratio Lower Upper
180 100
182 96.0 78.5 117.7
145 30.2 25.8 38.8

