

Data File : VV009891.D
Acq On : 26 Mar 2019 12:50
Operator : SY/MD
Sample : VSTD02562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Quant Time: Mar 26 14:05:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 10:44:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173302	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	175406	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89706	41.14	ug/L	0.00
7) Chloroethane-d5	1.57	69	91806	32.38	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	246073	42.68	ug/L	0.00
20) 2-Butanone-d5	3.93	46	38061	57.94	ug/L	-0.01
24) Chloroform-d	4.40	84	120630	28.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	71003	30.53	ug/L	0.00
29) Benzene-d6	5.10	84	239496	25.68	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	71893	26.31	ug/L	0.00
37) Toluene-d8	7.36	98	229513	25.66	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	29732	21.77	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	28153	48.68	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73036	27.37	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	80990	25.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	66077	30.121	ug/L	97
3) Chloromethane	1.25	50	72105	30.967	ug/L	97
5) Vinyl chloride	1.32	62	106003	40.975	ug/L	98
6) Bromomethane	1.51	94	102383	36.798	ug/L	99
8) Chloroethane	1.59	64	79411	35.999	ug/L	99
9) Trichlorofluoromethane	1.76	101	222565	42.666	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	129625	44.785	ug/L	91
12) 1,1-Dichloroethene	2.14	96	108740	43.693	ug/L	83
13) Acetone	2.18	43	56083	74.679	ug/L	92
14) Carbon disulfide	2.32	76	145349	22.478	ug/L	100
15) Methyl Acetate	2.46	43	32147	32.396	ug/L	98
16) Methylene chloride	2.53	84	65347	27.839	ug/L	94
17) Methyl tert-butyl Ether	2.80	73	146143	26.986	ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	58262	26.935	ug/L	98
19) 1,1-Dichloroethane	3.23	63	106353	27.676	ug/L	97
21) 2-Butanone	4.01	43	50706	54.181	ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	66475	27.334	ug/L	94
23) Bromochloromethane	4.30	128	31396	28.767	ug/L	93
25) Chloroform	4.42	83	118813	28.411	ug/L	99
27) 1,2-Dichloroethane	5.18	62	87733	30.329	ug/L	98
30) Cyclohexane	4.73	56	90927	21.884	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	90619	21.753	ug/L	97
32) Carbon tetrachloride	4.87	117	79177	22.285	ug/L	98
34) Benzene	5.15	78	250929	25.658	ug/L	100
35) Trichloroethene	5.96	95	63603	23.495	ug/L	96
36) Methylcyclohexane	6.18	83	105519	22.324	ug/L	98
40) 1,2-Dichloropropane	6.22	63	61977	25.509	ug/L	# 97
41) Bromodichloromethane	6.55	83	80054	23.170	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	93178	24.137	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	98891	56.931	ug/L	96

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 10:44:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	270896	24.766	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	79608	22.746	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	53611	26.714	ug/L	95
47) Tetrachloroethene	8.02	164	50647	25.258	ug/L	96
49) 2-Hexanone	8.18	43	70934	48.908	ug/L	93
50) Dibromochloromethane	8.29	129	54848	21.850	ug/L	93
51) 1,2-Dibromoethane	8.40	107	52531	26.001	ug/L #	94
52) Chlorobenzene	8.93	112	179353	25.315	ug/L	98
53) Ethylbenzene	9.05	91	304475	24.338	ug/L	98
54) m,p-Xylene	9.18	106	118262	24.267	ug/L	92
55) o-xylene	9.59	106	114546	24.791	ug/L	99
56) Styrene	9.60	104	196051	25.297	ug/L	93
57) Isopropylbenzene	9.97	105	298114	23.616	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	73857	27.064	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	51491	26.492	ug/L	100
62) Bromoform	9.77	173	28928	18.974	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	133672	24.519	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	139167	25.575	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	129696	25.320	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8547	16.900	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	92535	24.039	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	73027	24.437	ug/L	98
69) Naphthalene	13.55	128	125028	20.663	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	68403	24.693	ug/L	96

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

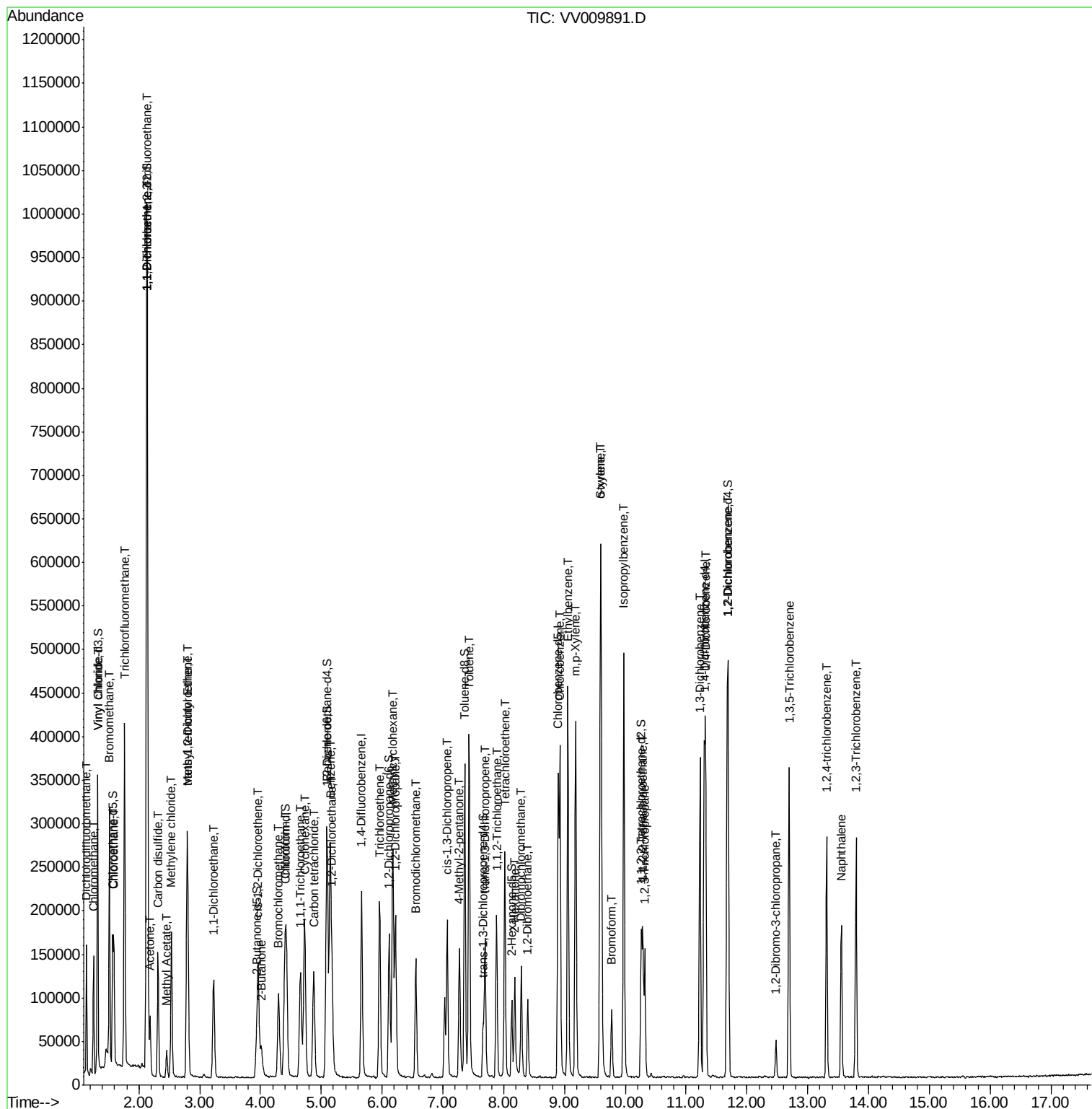
Quant Time: Mar 26 14:05:08 2019

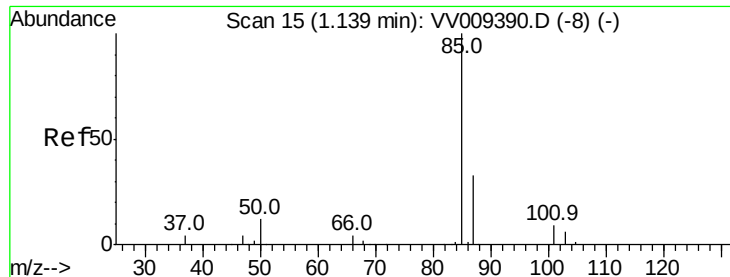
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 10:44:15 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 30.121 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

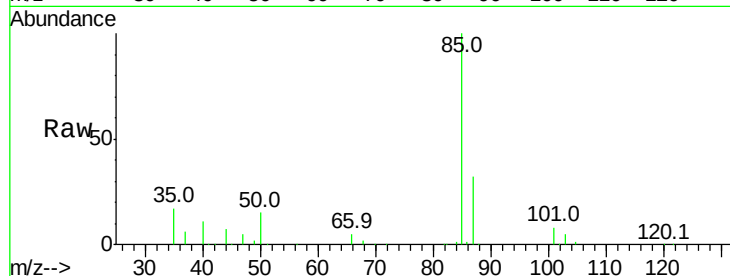
VSTD02562

Tgt Ion: 85 Resp: 66077

Ion Ratio Lower Upper

85 100

87 31.7 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009390.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009390.D (-8) (-)

1.14

80000

60000

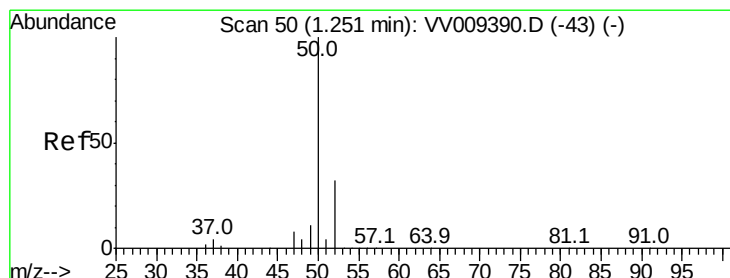
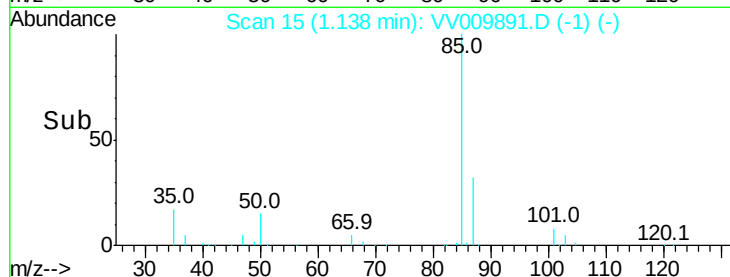
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 30.967 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009891.D

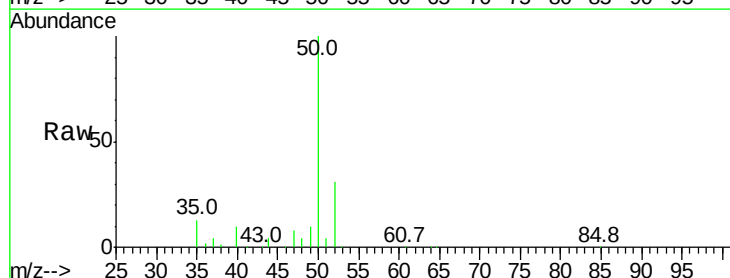
Acq: 26 Mar 2019 12:50

Tgt Ion: 50 Resp: 72105

Ion Ratio Lower Upper

50 100

52 31.2 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009390.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009390.D (-43) (-)

1.25

80000

60000

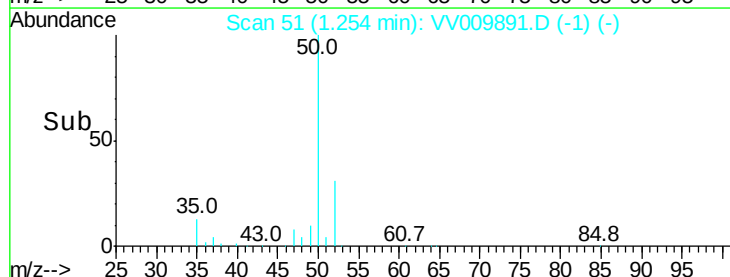
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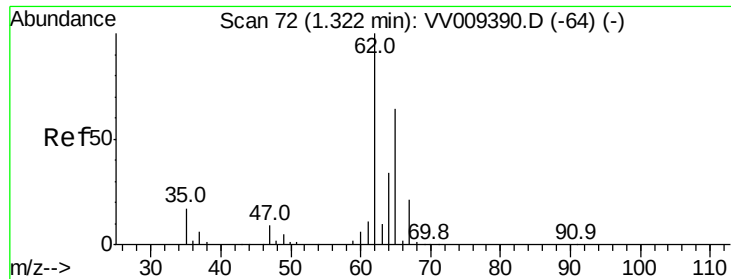
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 40.975 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

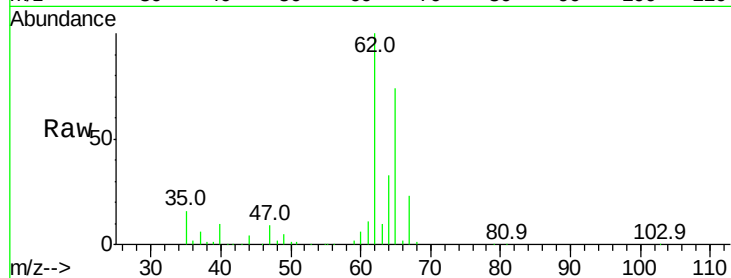
VSTD02562

Tgt Ion: 62 Resp: 106003

Ion Ratio Lower Upper

62 100

64 32.6 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009390.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV009390.D (-64) (-)

1.32

120000

100000

80000

60000

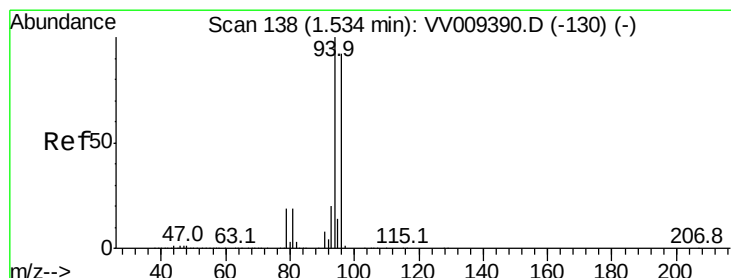
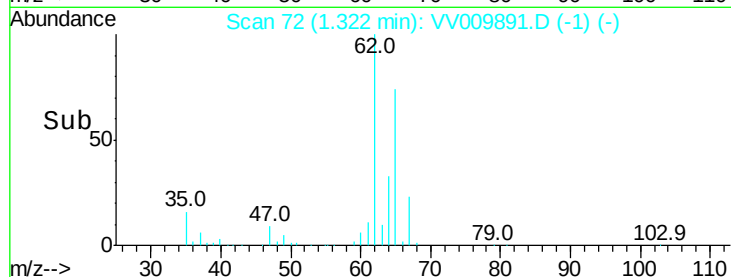
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 36.798 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV009891.D

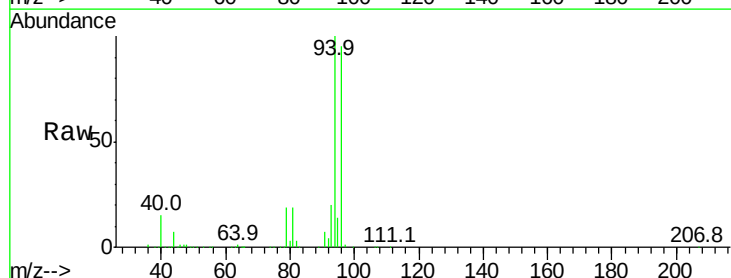
Acq: 26 Mar 2019 12:50

Tgt Ion: 94 Resp: 102383

Ion Ratio Lower Upper

94 100

96 94.4 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009390.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009390.D (-130) (-)

1.51

120000

100000

80000

60000

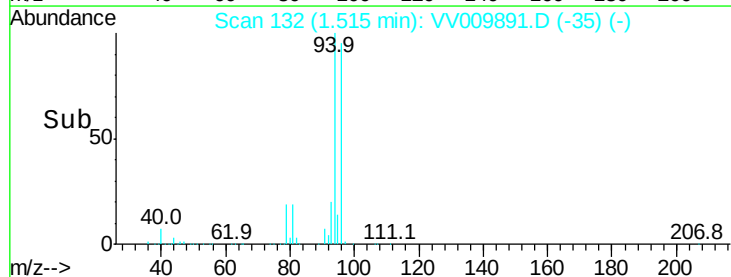
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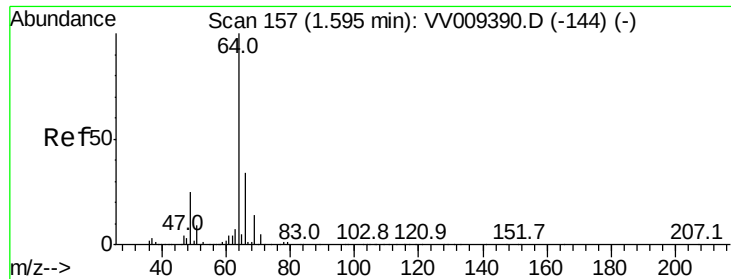
20000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 35.999 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

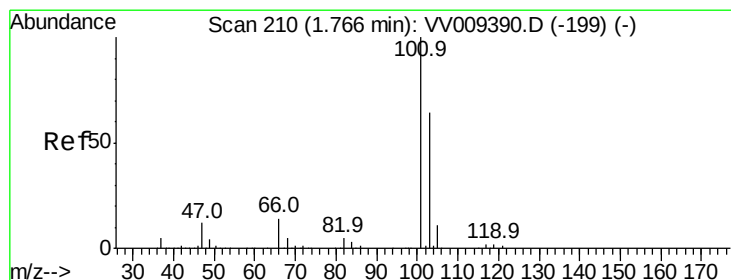
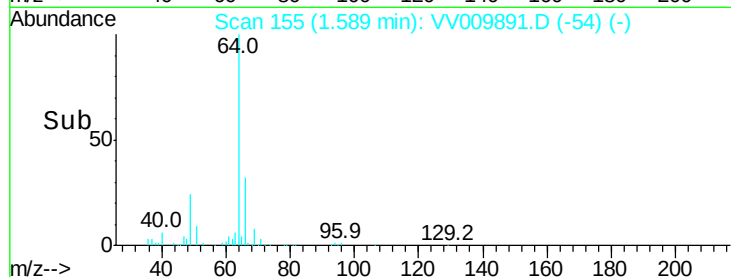
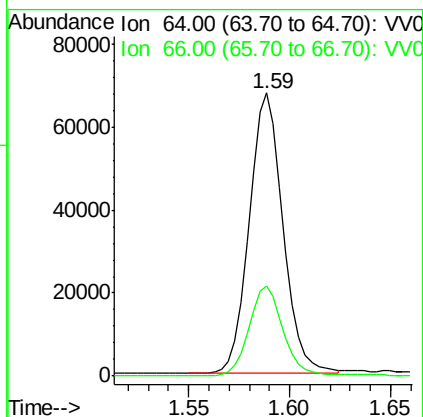
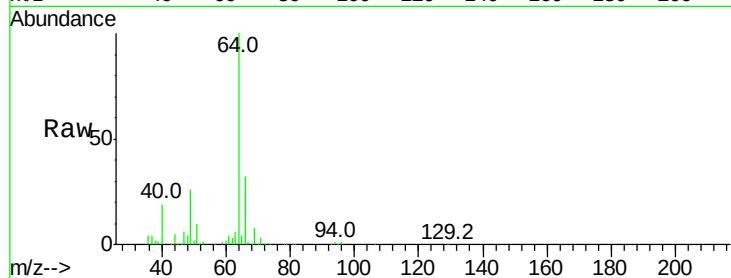
VSTD02562

Tgt Ion: 64 Resp: 79411

Ion Ratio Lower Upper

64 100

66 31.9 21.8 40.6



#9

Trichlorofluoromethane

Concen: 42.666 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009891.D

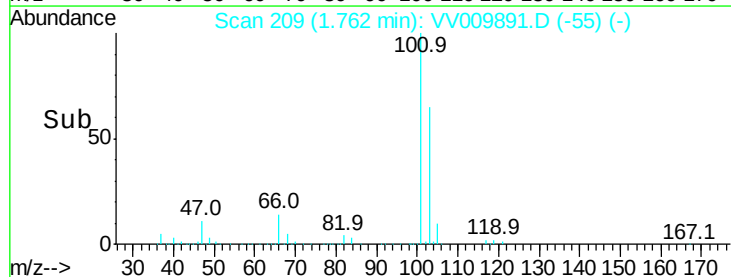
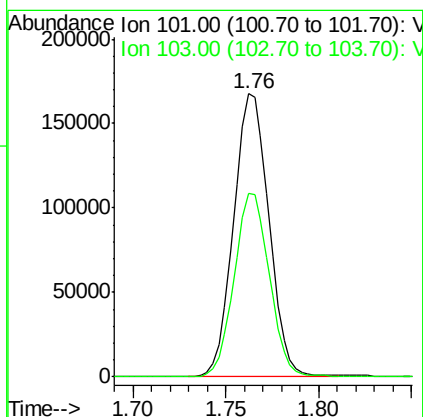
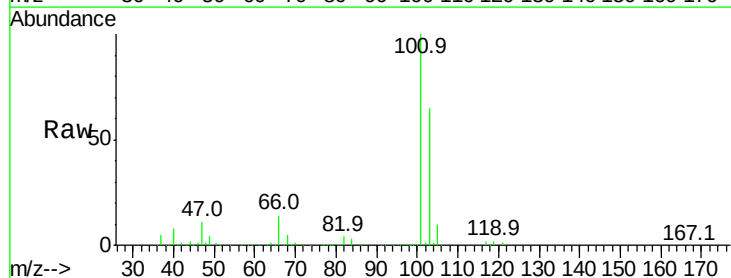
Acq: 26 Mar 2019 12:50

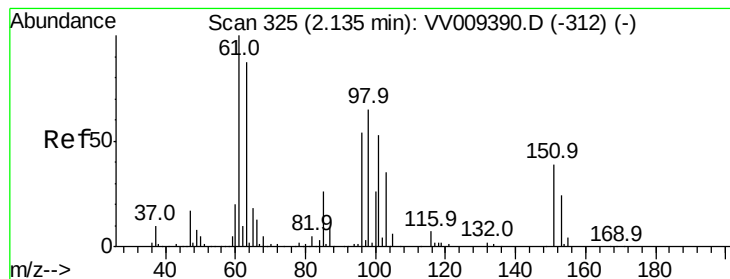
Tgt Ion: 101 Resp: 222565

Ion Ratio Lower Upper

101 100

103 64.5 44.7 83.1





#11

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

Concen: 44.785 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampled :

VSTD02562

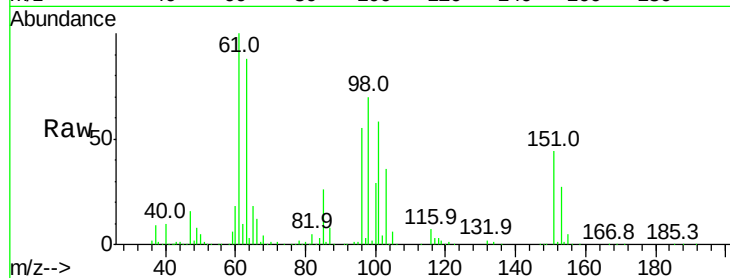
Tgt Ion: 101 Resp: 129625

Ion Ratio Lower Upper

101 100

85 46.1 40.1 60.1

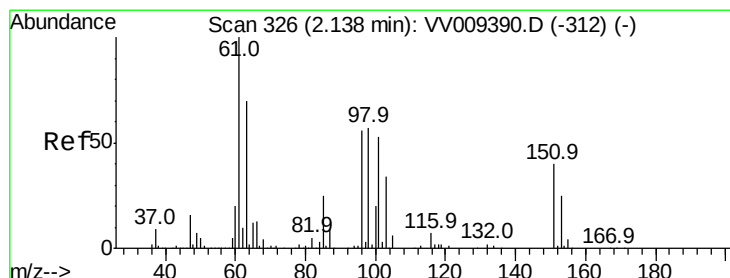
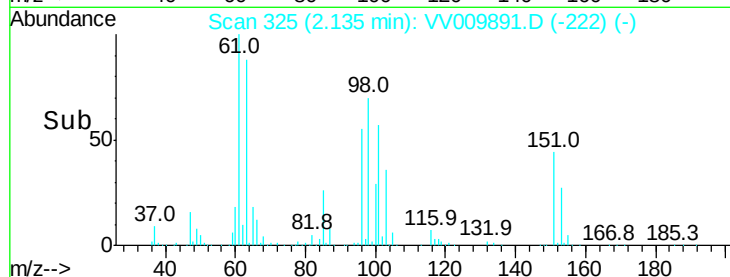
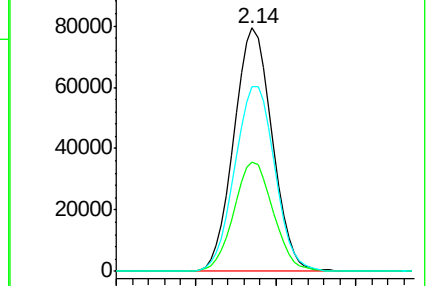
151 79.5 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009891.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009891.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009891.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 43.693 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

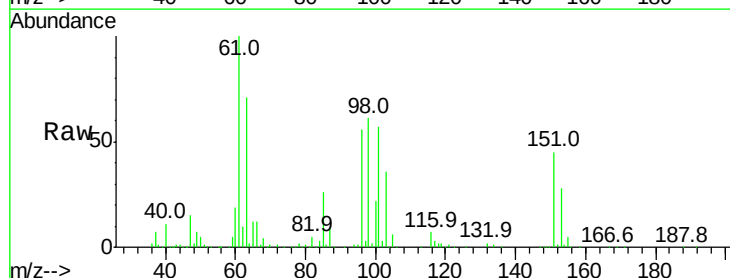
Tgt Ion: 96 Resp: 108740

Ion Ratio Lower Upper

96 100

61 177.5 136.9 254.3

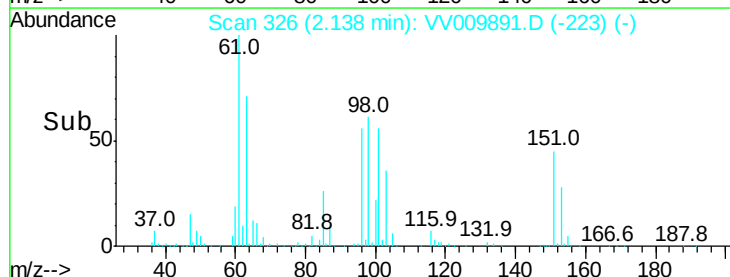
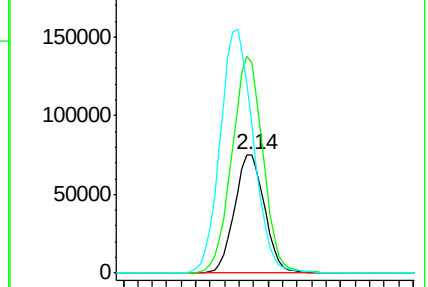
63 126.0 108.7 201.9

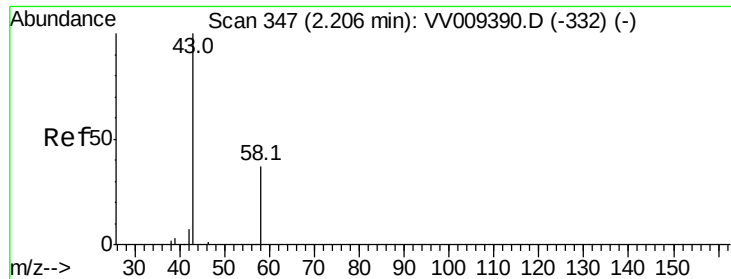


Abundance Ion 96.00 (95.70 to 96.70): VV009891.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009891.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009891.D (-223) (-)





#13

Acetone

Concen: 74.679 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

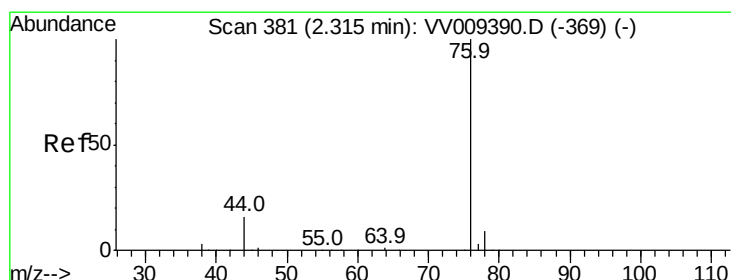
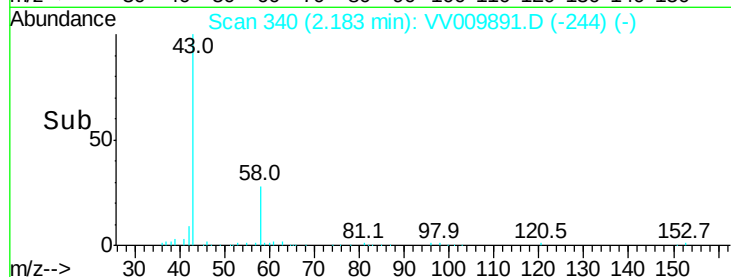
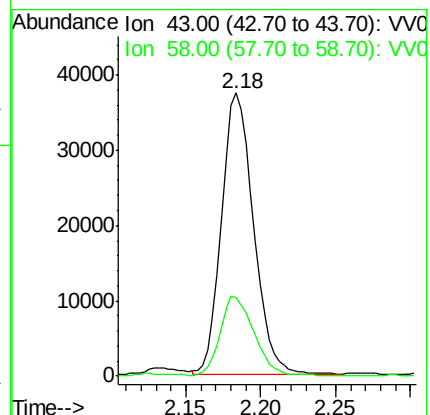
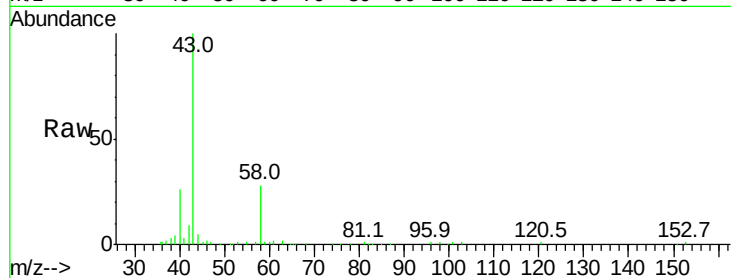
VSTD02562

Tgt Ion: 43 Resp: 56083

Ion Ratio Lower Upper

43 100

58 29.7 0.0 68.8



#14

Carbon disulfide

Concen: 22.478 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009891.D

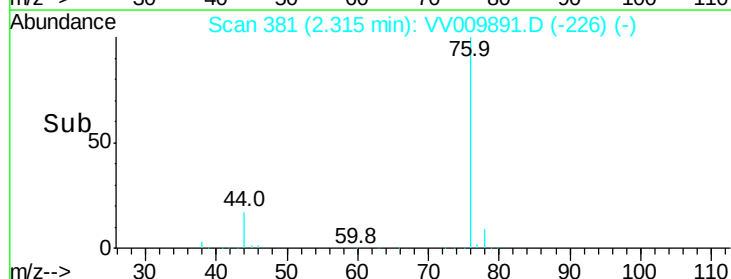
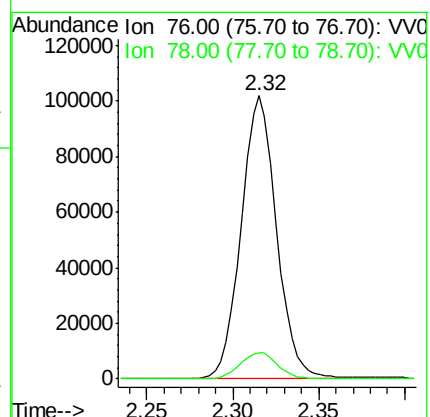
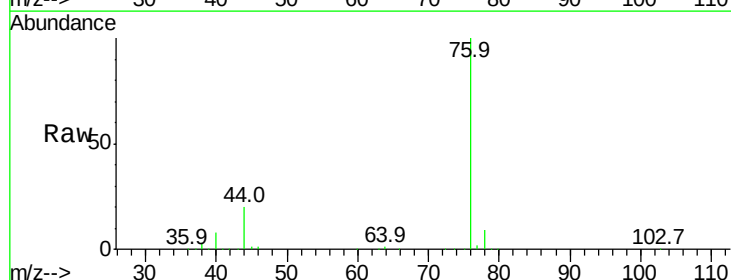
Acq: 26 Mar 2019 12:50

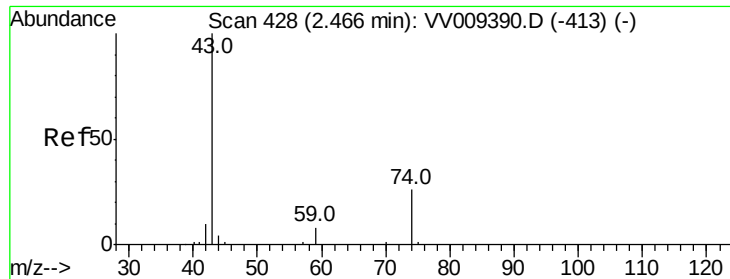
Tgt Ion: 76 Resp: 145349

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

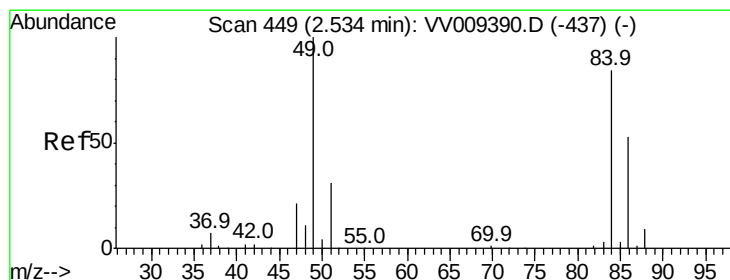
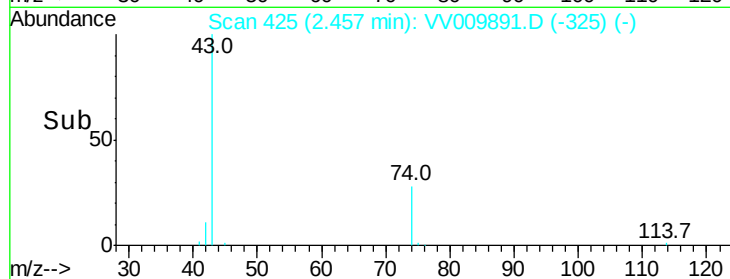
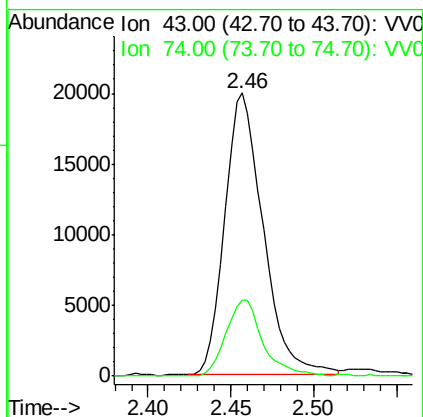
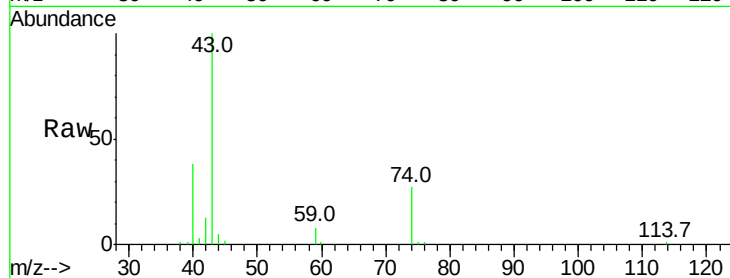




#15
Methyl Acetate
Concen: 32.396 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

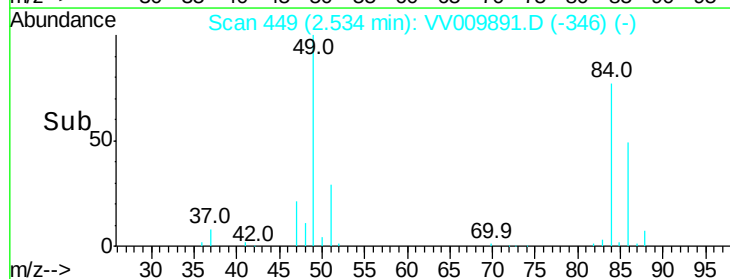
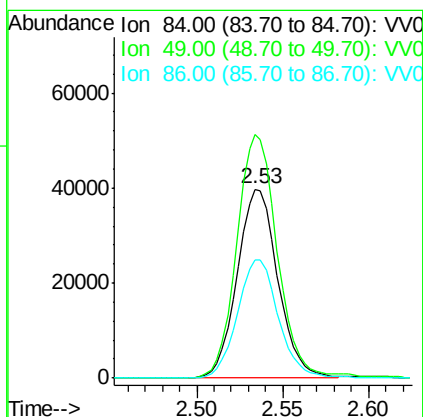
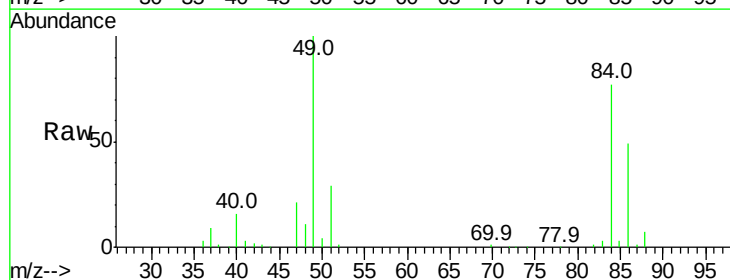
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

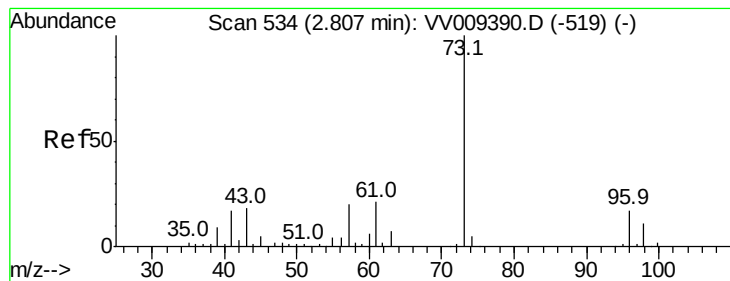
Tgt Ion: 43 Resp: 32147
Ion Ratio Lower Upper
43 100
74 26.1 21.8 32.8



#16
Methylene chloride
Concen: 27.839 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

Tgt Ion: 84 Resp: 65347
Ion Ratio Lower Upper
84 100
49 129.1 84.6 157.0
86 62.8 46.1 85.7





#17

Methyl tert-butyl Ether

Concen: 26.986 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

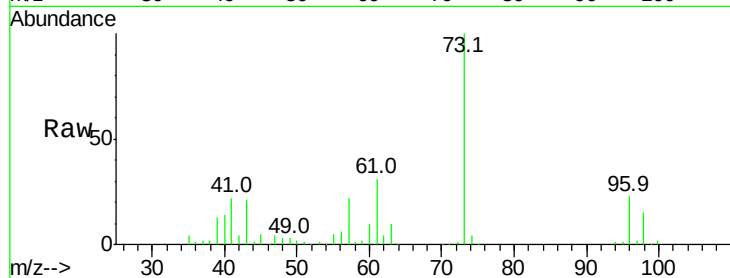
Tgt Ion: 73 Resp: 146143

Ion Ratio Lower Upper

73 100

43 21.3 15.0 22.4

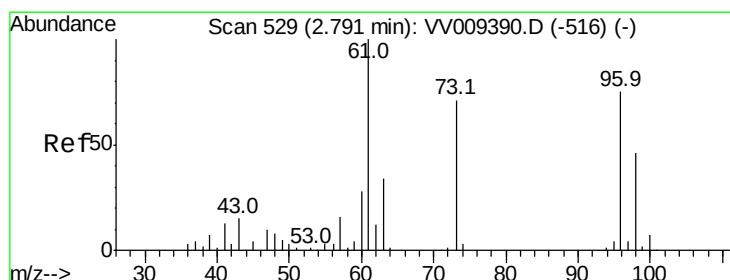
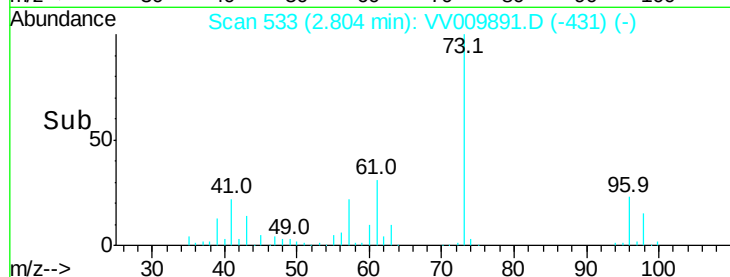
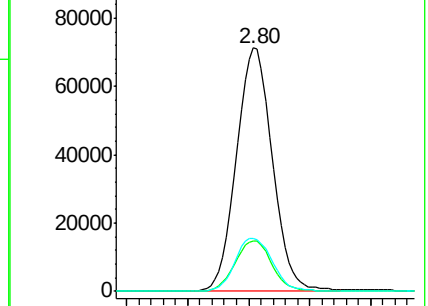
57 22.5 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VV009390.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV009390.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV009390.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 26.935 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

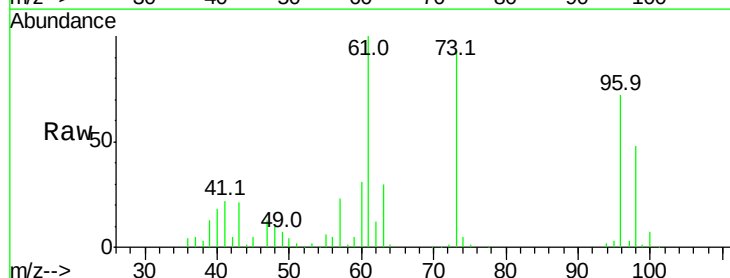
Tgt Ion: 96 Resp: 58262

Ion Ratio Lower Upper

96 100

61 138.3 95.6 177.6

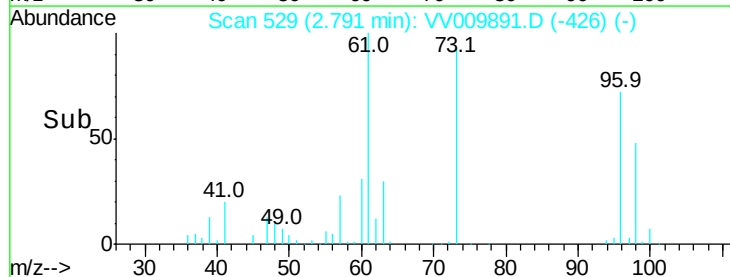
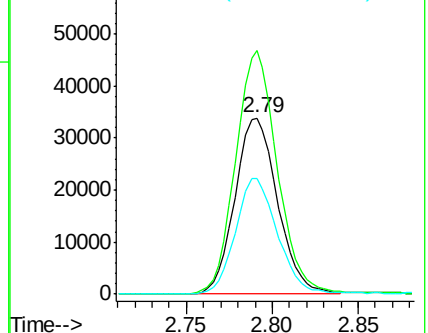
98 65.9 44.0 81.6

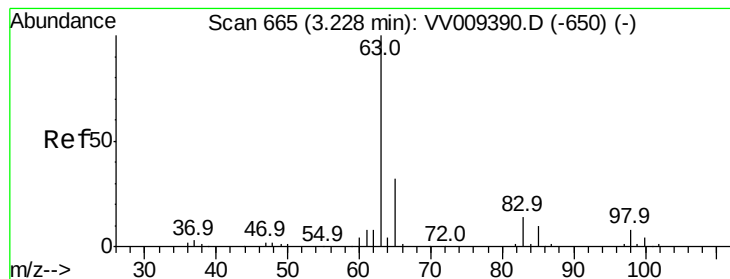


Abundance Ion 96.00 (95.70 to 96.70): VV009390.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VV009390.D (-516) (-)

Ion 98.00 (97.70 to 98.70): VV009390.D (-516) (-)





#19

1,1-Dichloroethane

Concen: 27.676 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

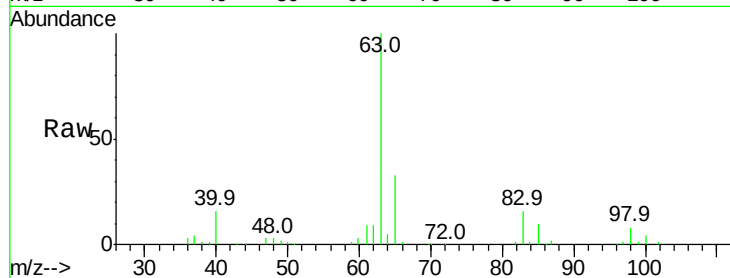
Tgt Ion: 63 Resp: 106353

Ion Ratio Lower Upper

63 100

65 33.1 22.1 41.1

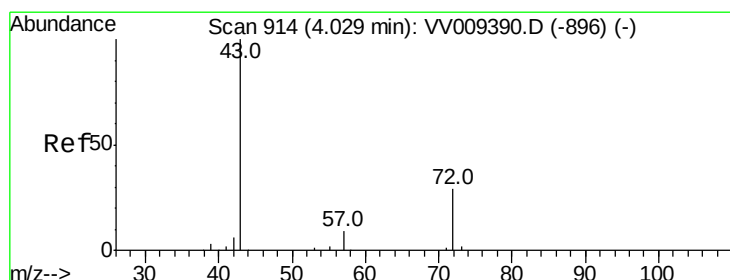
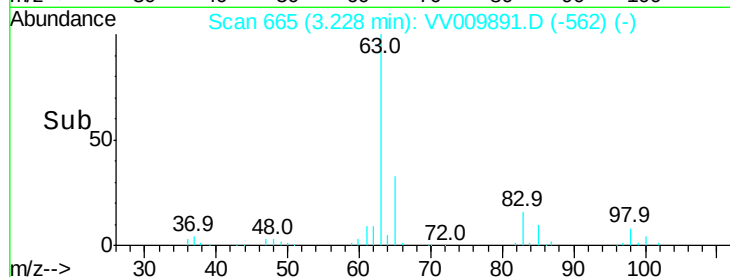
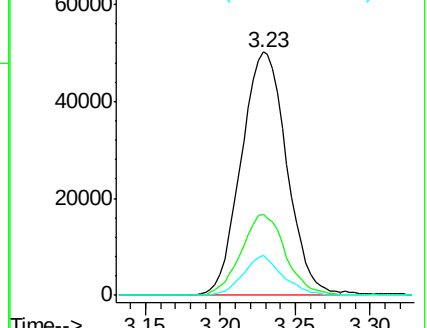
83 16.2 10.2 19.0



Abundance Ion 63.00 (62.70 to 63.70): VV009891.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV009891.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV009891.D (-650) (-)



#21

2-Butanone

Concen: 54.181 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.02 min

Lab File: VV009891.D

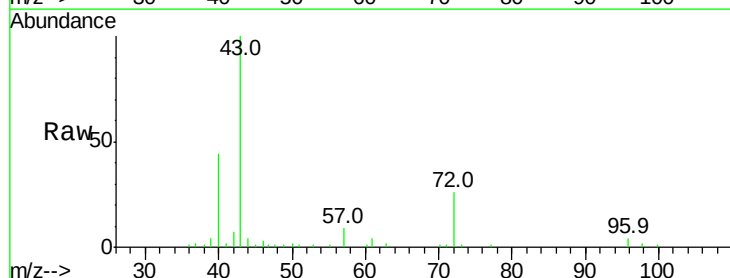
Acq: 26 Mar 2019 12:50

Tgt Ion: 43 Resp: 50706

Ion Ratio Lower Upper

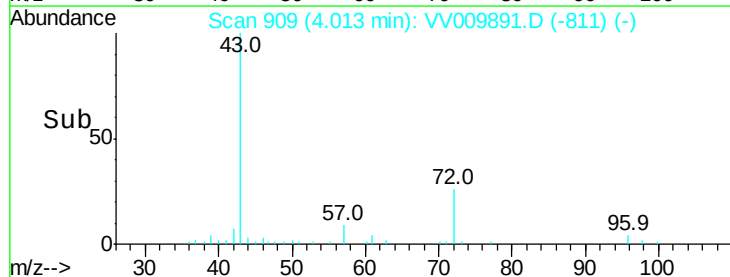
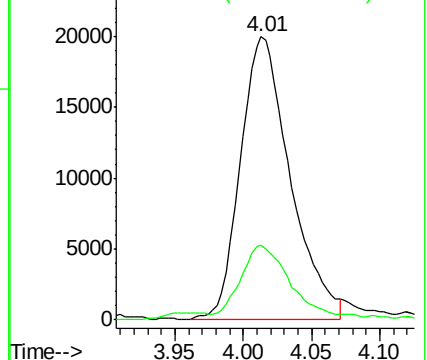
43 100

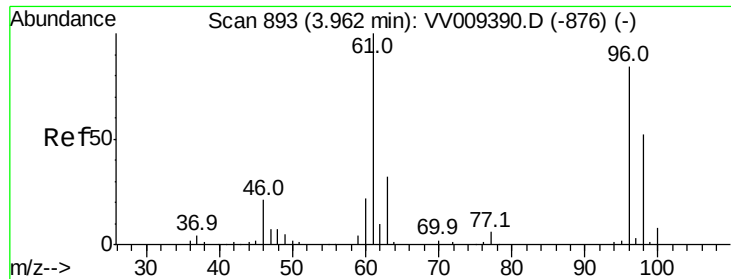
72 22.1 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VV009891.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV009891.D (-811) (-)



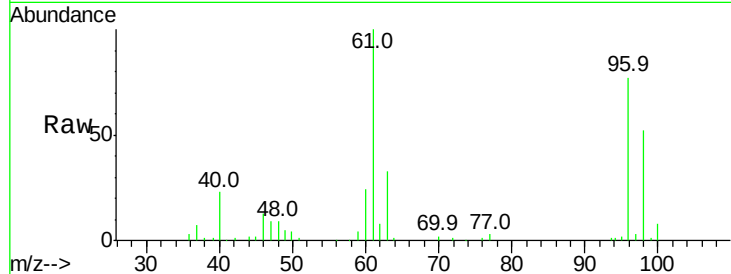


#22

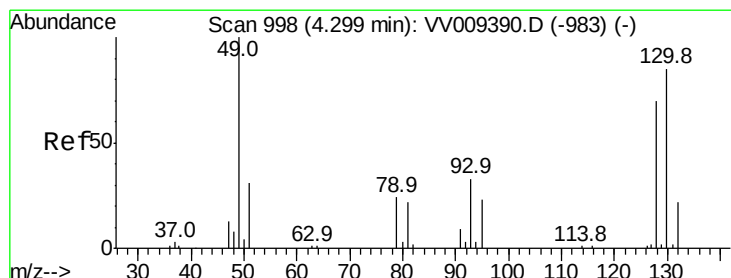
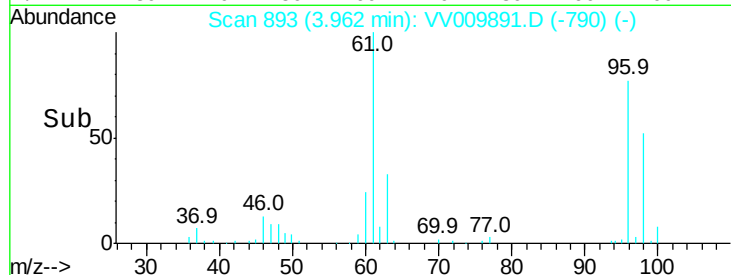
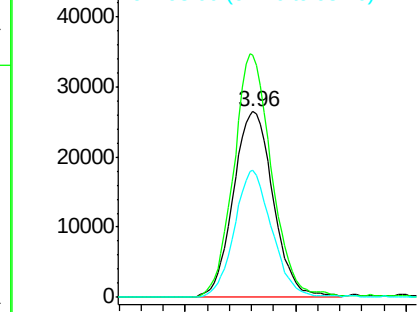
cis-1,2-Dichloroethene
Concen: 27.334 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

Tgt Ion: 96 Resp: 66475
Ion Ratio Lower Upper
96 100
61 130.6 87.2 161.9
98 68.6 44.6 82.8



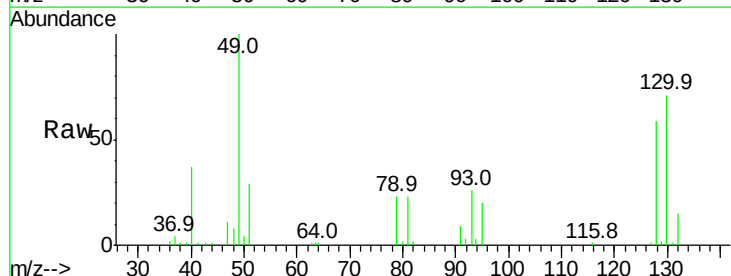
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



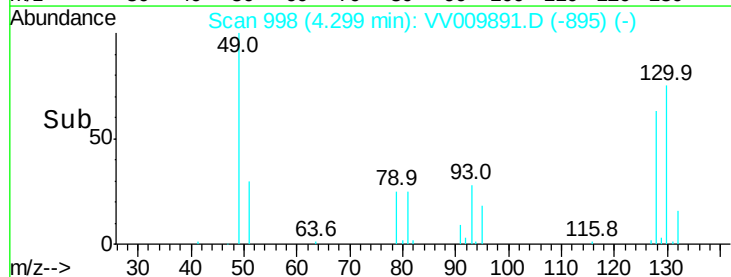
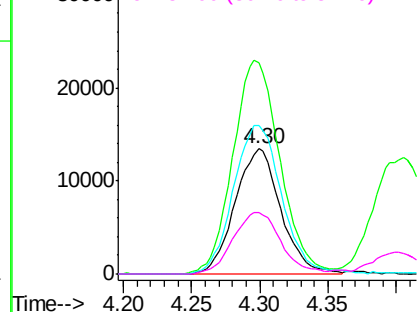
#23

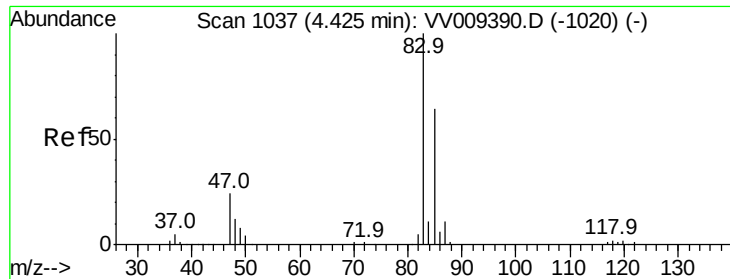
Bromochloromethane
Concen: 28.767 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

Tgt Ion: 128 Resp: 31396
Ion Ratio Lower Upper
128 100
49 168.9 115.5 214.5
130 119.1 92.6 172.0
51 49.3 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

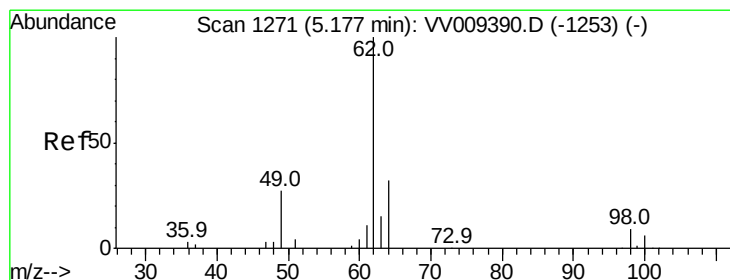
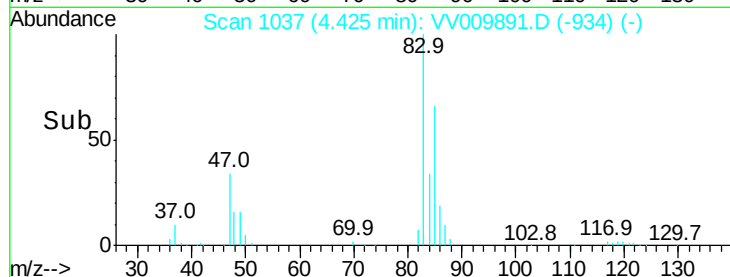
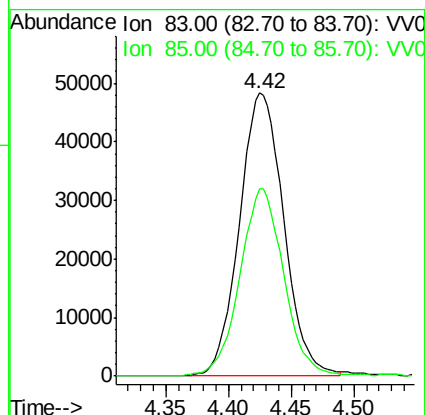
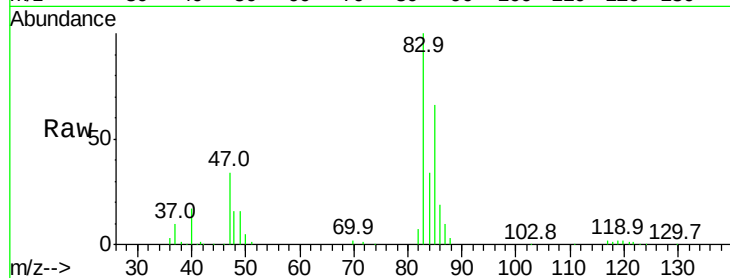




#25
Chloroform
Concen: 28.411 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

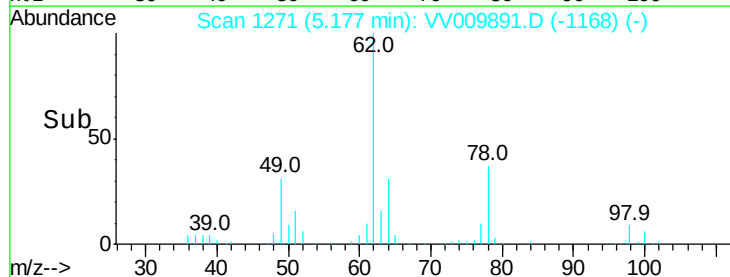
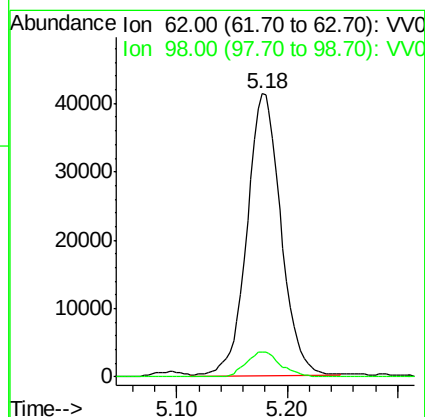
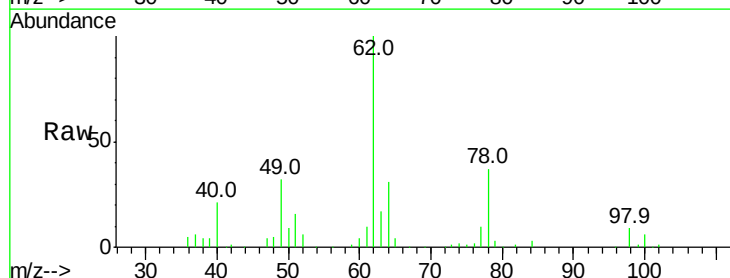
Instrument :
MSVOA_V
ClientSampled :
VSTD02562

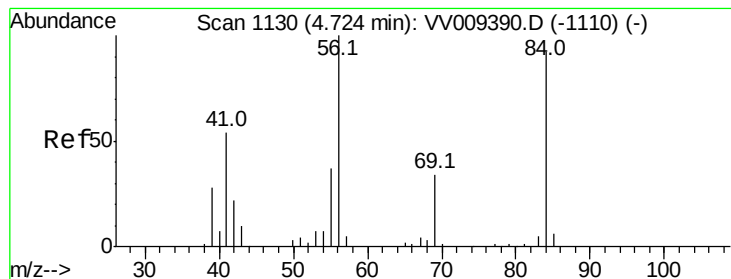
Tgt Ion: 83 Resp: 118813
Ion Ratio Lower Upper
83 100
85 65.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 30.329 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

Tgt Ion: 62 Resp: 87733
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





#30

Cyclohexane

Concen: 21.884 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

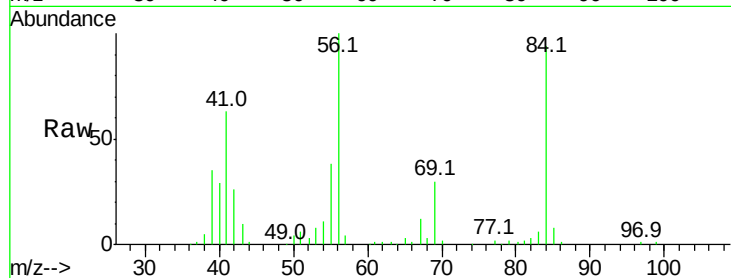
Tgt Ion: 56 Resp: 90927

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

84 94.5 71.9 107.9

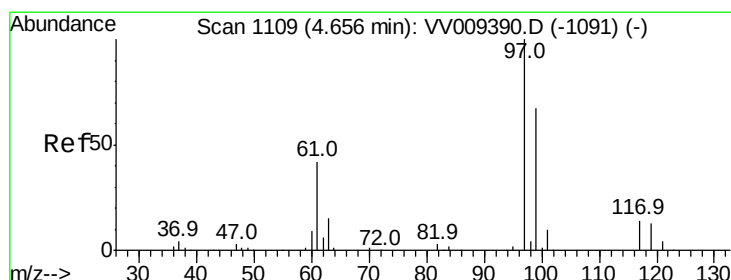
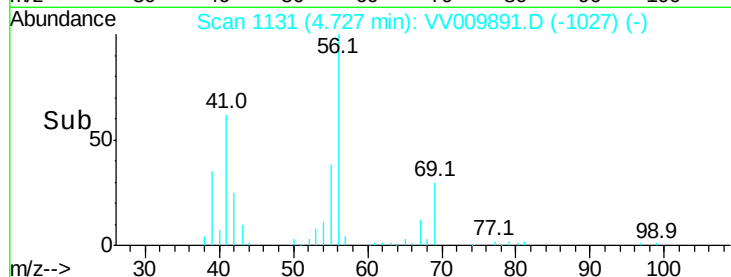
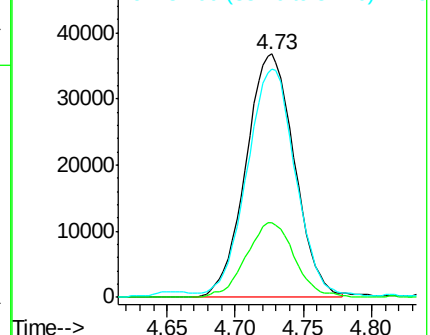


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 21.753 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

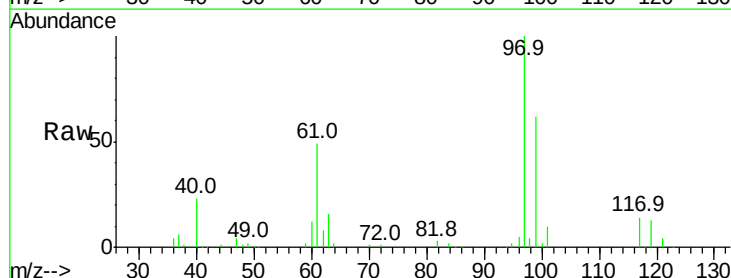
Tgt Ion: 97 Resp: 90619

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 49.2 36.1 54.1

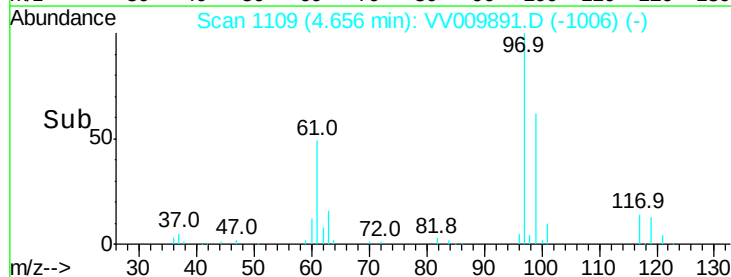
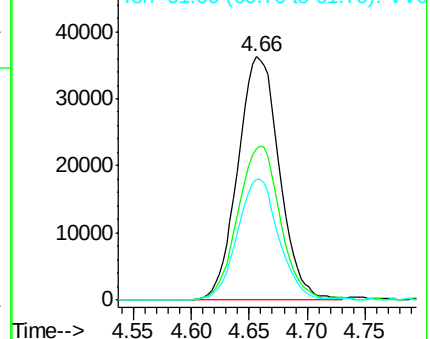


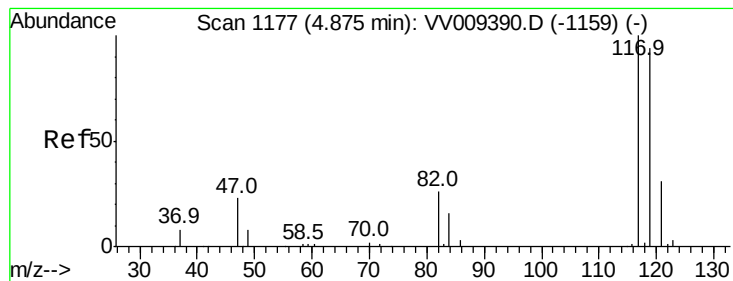
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 22.285 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

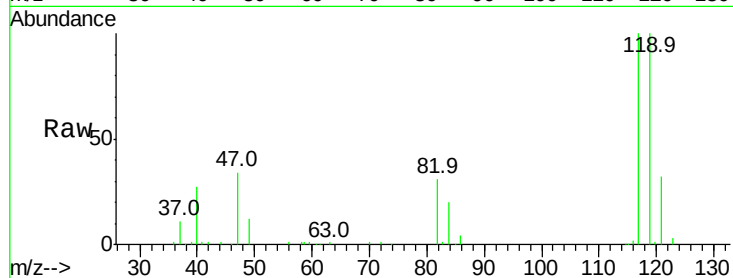
VSTD02562

Tgt Ion:117 Resp: 79177

Ion Ratio Lower Upper

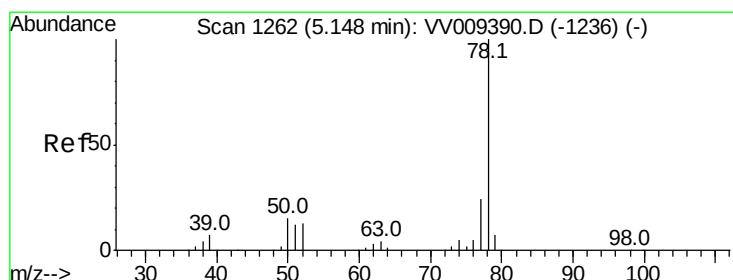
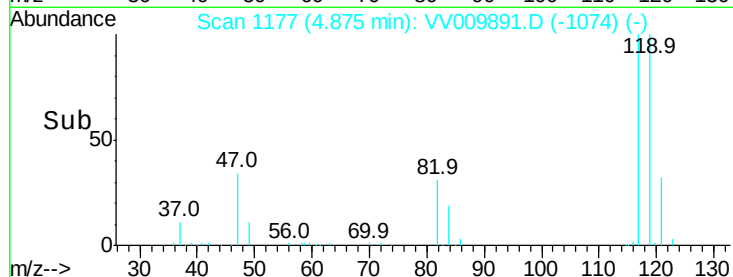
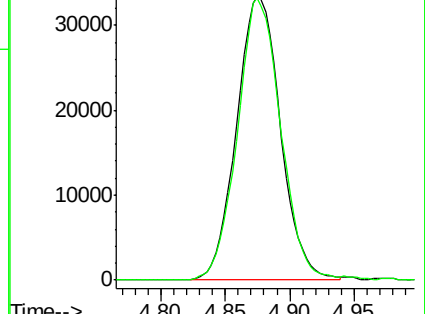
117 100

119 97.6 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.658 ug/L

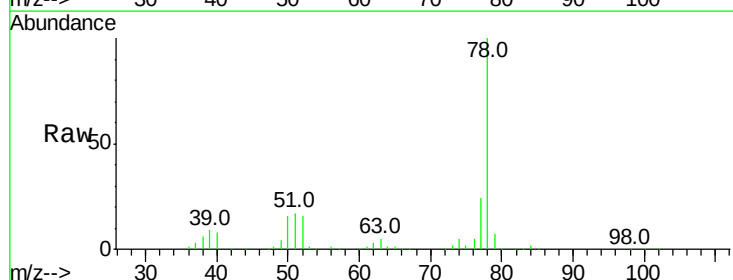
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

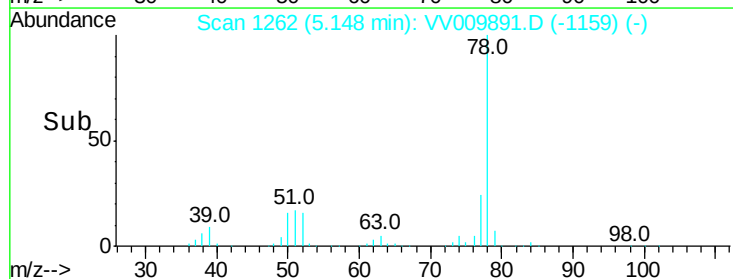
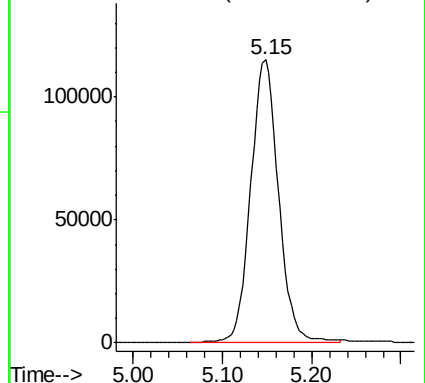
Lab File: VV009891.D

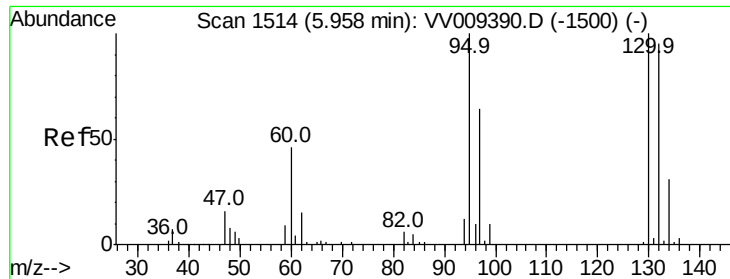
Acq: 26 Mar 2019 12:50

Tgt Ion: 78 Resp: 250929



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.495 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02562

Tgt Ion: 95 Resp: 63603

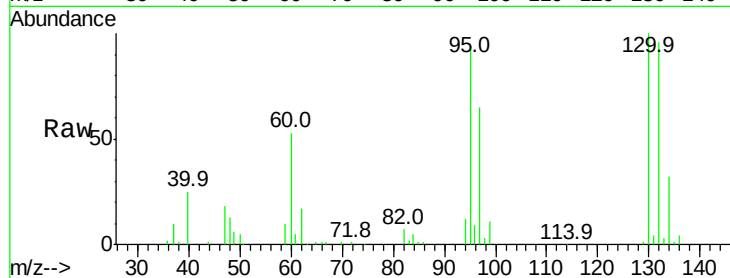
Ion Ratio Lower Upper

95 100

97 66.1 44.3 82.3

132 99.0 64.4 119.6

130 99.3 69.4 128.8



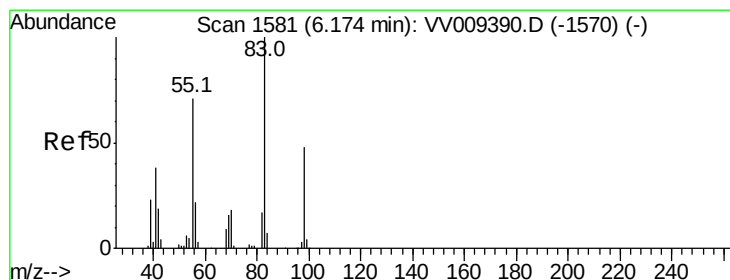
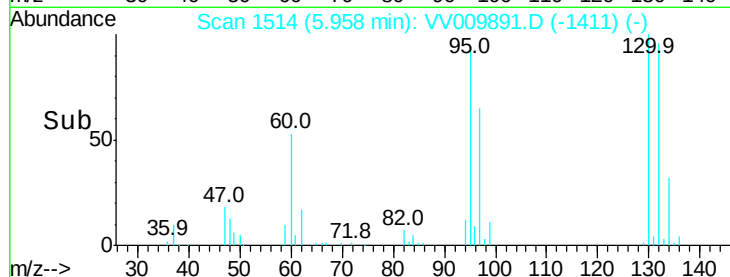
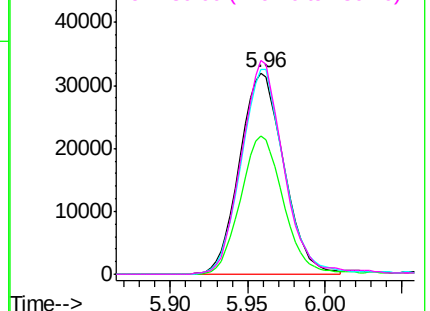
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 22.324 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

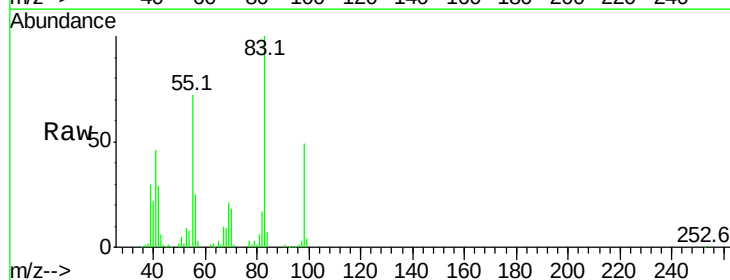
Tgt Ion: 83 Resp: 105519

Ion Ratio Lower Upper

83 100

55 71.6 58.8 88.2

98 49.0 37.7 56.5

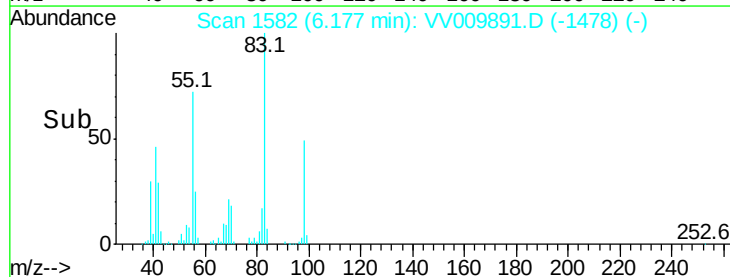
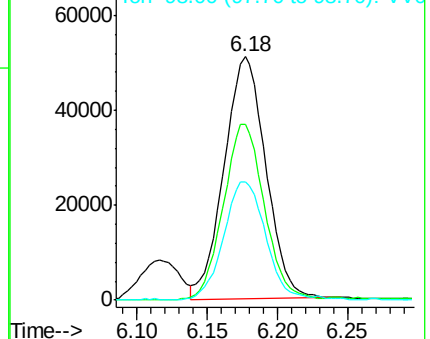


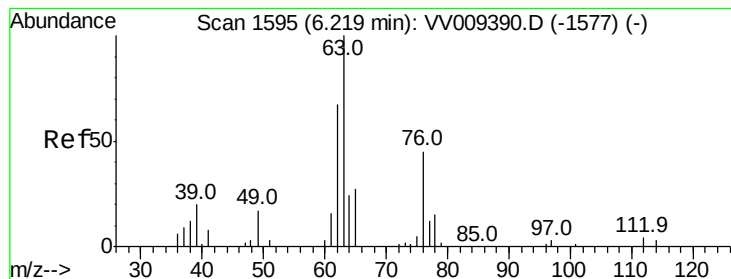
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.509 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

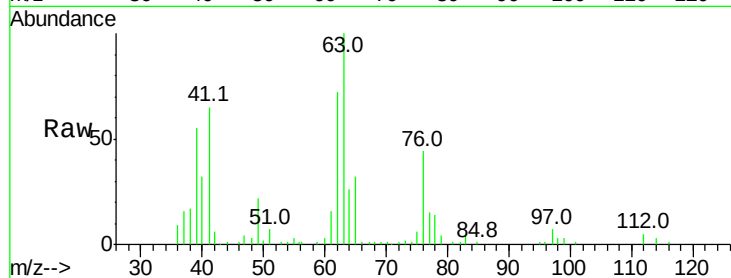
VSTD02562

Tgt Ion: 63 Resp: 61977

Ion Ratio Lower Upper

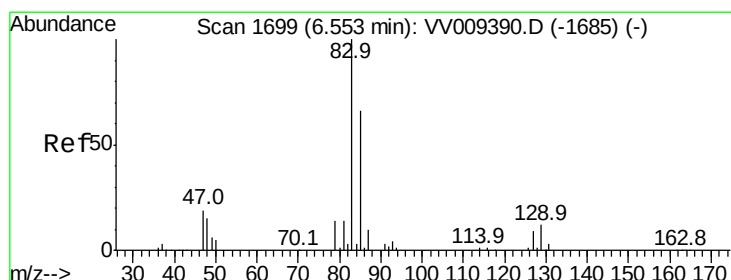
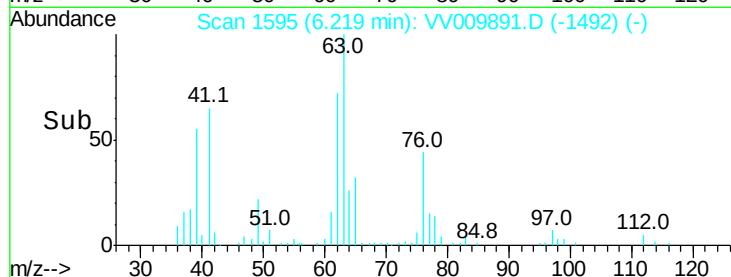
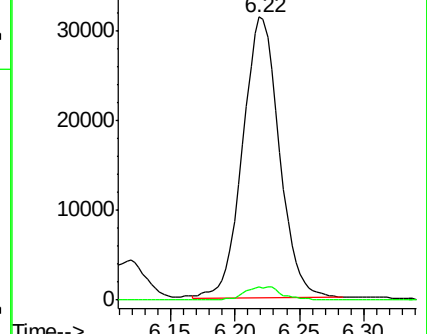
63 100

112 2.6 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009390.D (-1577) (-)

Ion 112.00 (111.70 to 112.70): VV009390.D (-1577) (-)



#41

Bromodichloromethane

Concen: 23.170 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

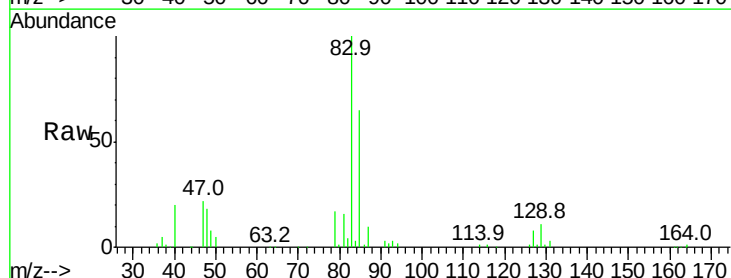
Tgt Ion: 83 Resp: 80054

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.3

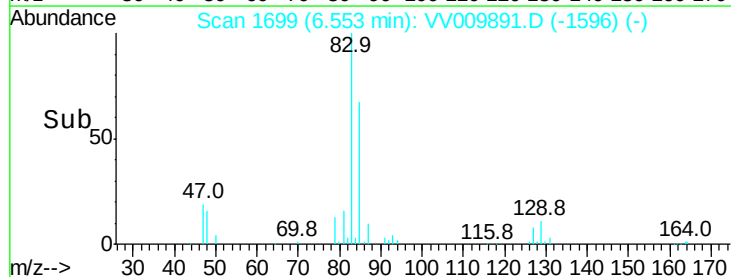
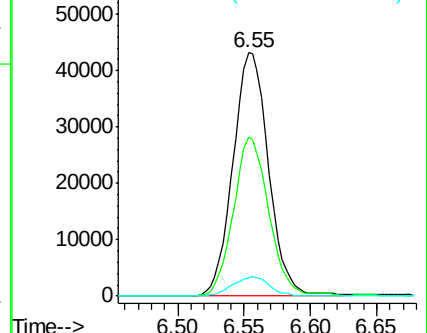
127 7.8 7.2 10.8

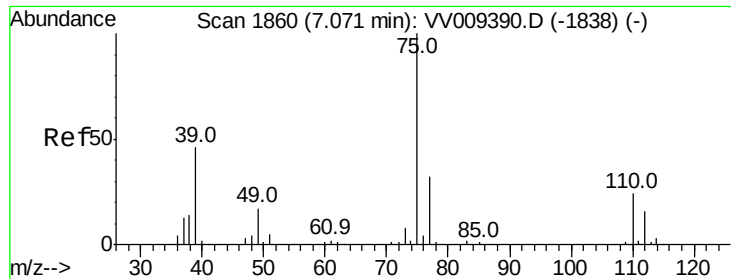


Abundance Ion 83.00 (82.70 to 83.70): VV009390.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV009390.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV009390.D (-1685) (-)



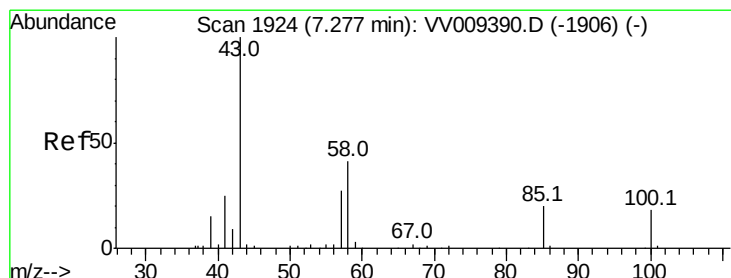
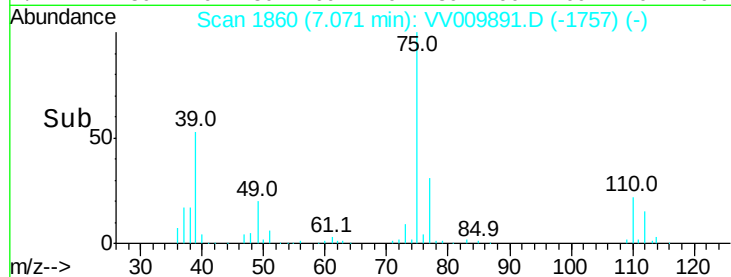
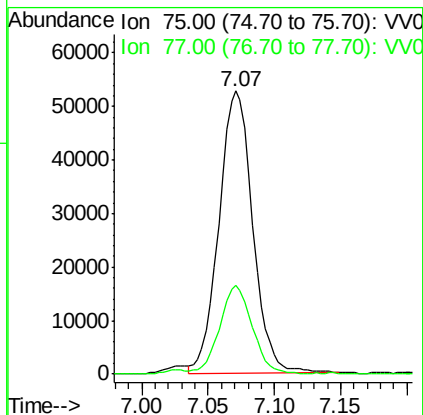
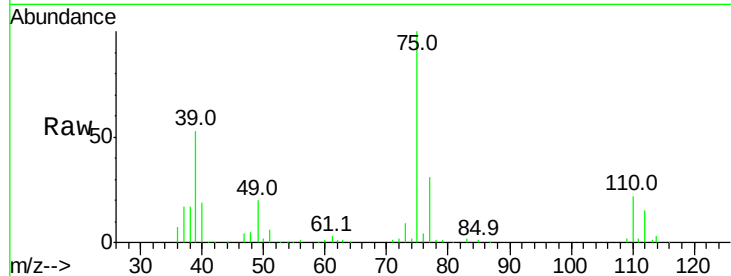


#42

cis-1,3-Dichloropropene
 Concen: 24.137 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

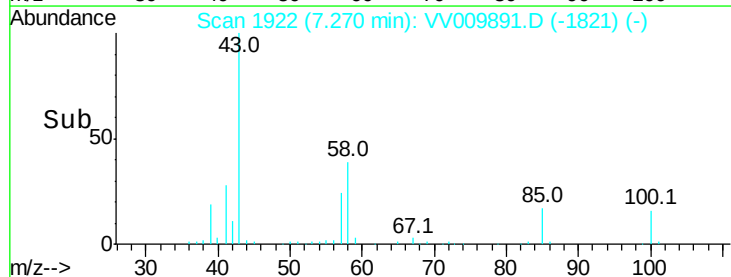
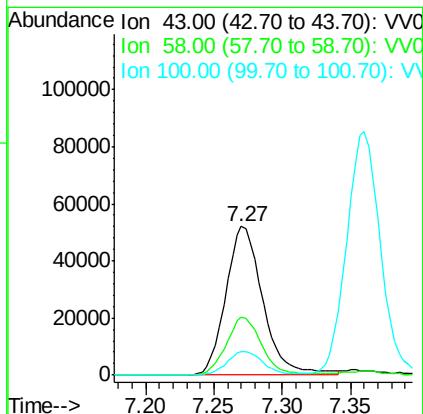
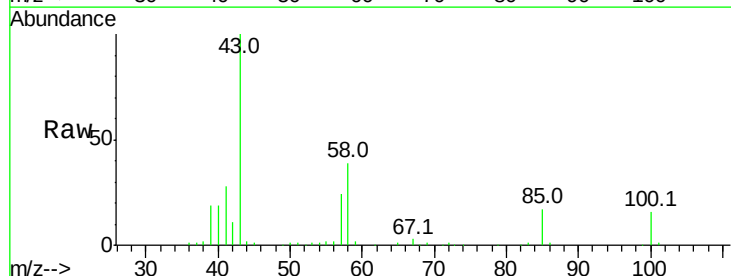
Tgt Ion: 75 Resp: 93178
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.4 39.8

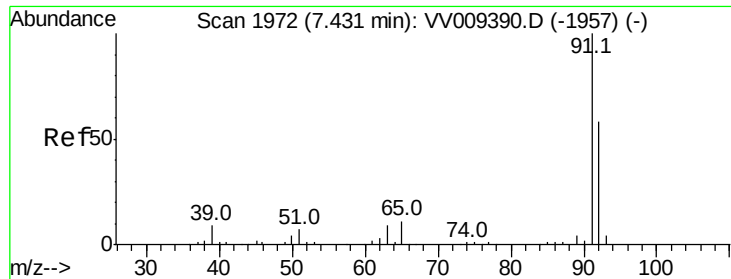


#43

4-Methyl-2-pentanone
 Concen: 56.931 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

Tgt Ion: 43 Resp: 98891
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.9 47.9
 100 15.3 12.8 19.2





#44

Toluene

Concen: 24.766 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

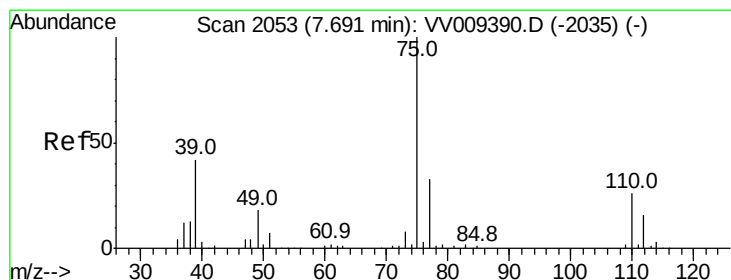
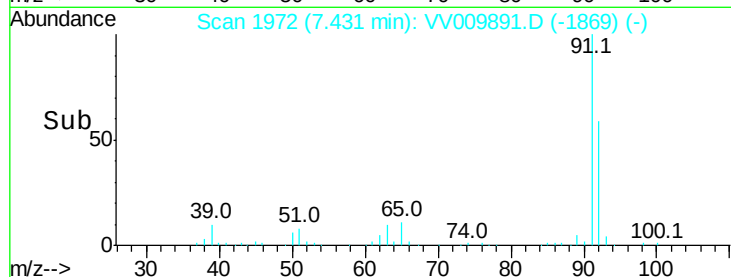
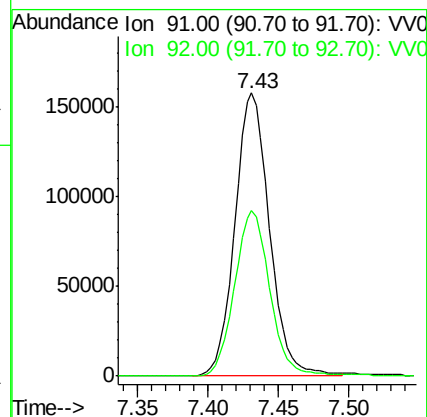
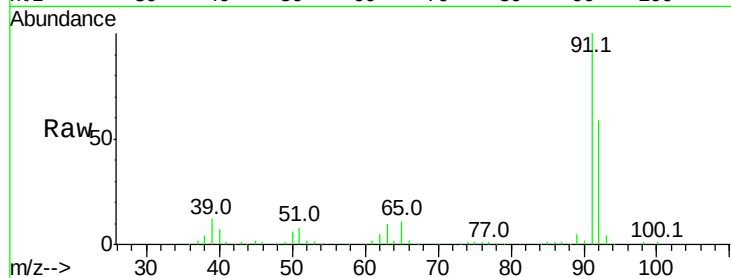
VSTD02562

Tgt Ion: 91 Resp: 270896

Ion Ratio Lower Upper

91 100

92 58.6 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 22.746 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009891.D

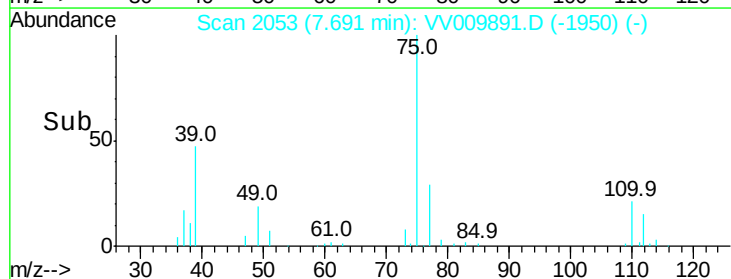
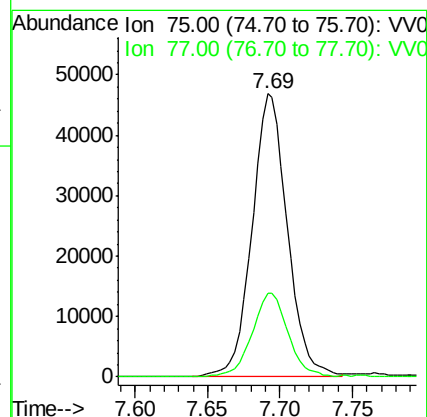
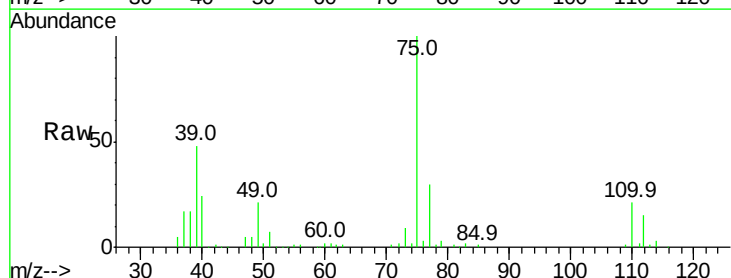
Acq: 26 Mar 2019 12:50

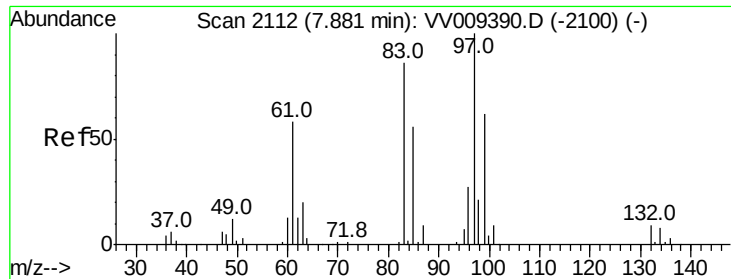
Tgt Ion: 75 Resp: 79608

Ion Ratio Lower Upper

75 100

77 29.6 22.5 41.7

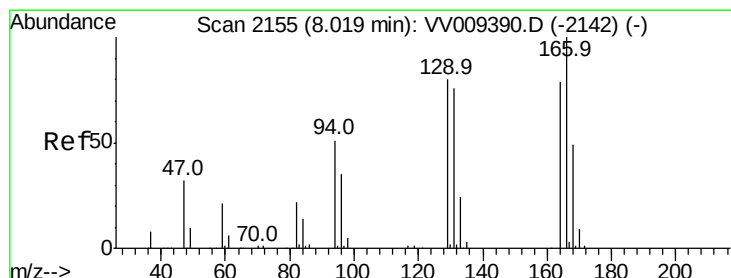
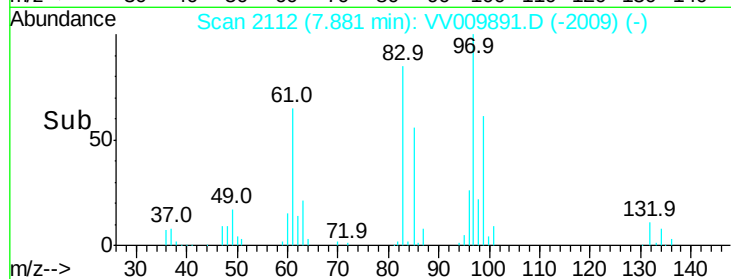
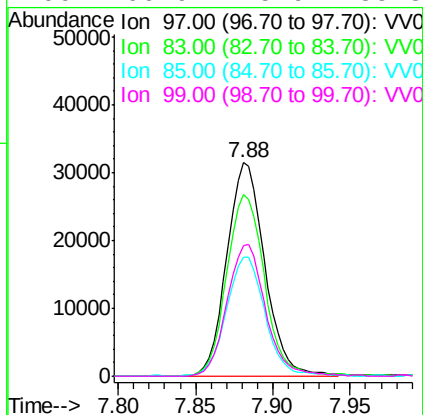
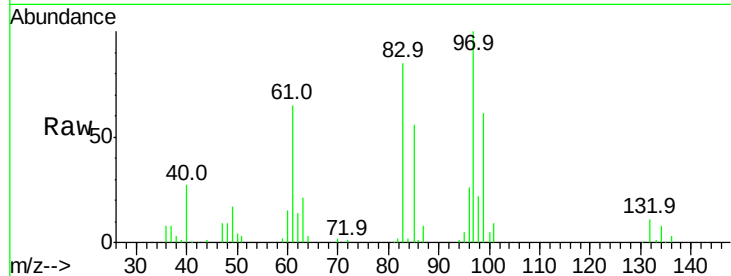




#46
 1,1,2-Trichloroethane
 Concen: 26.714 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

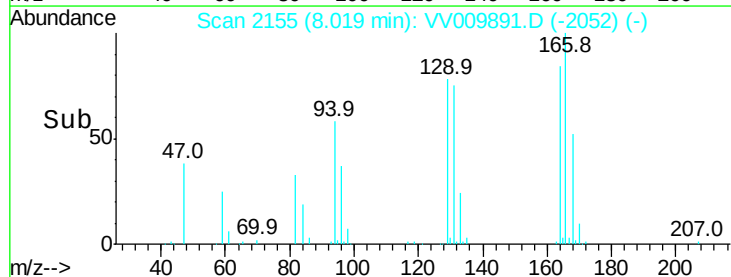
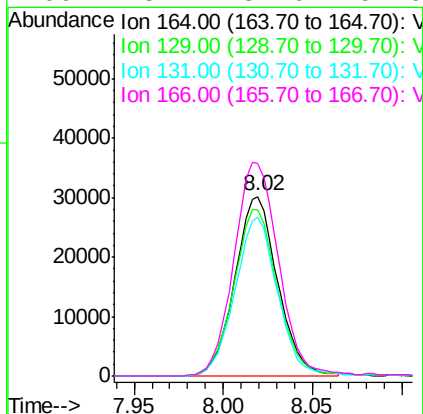
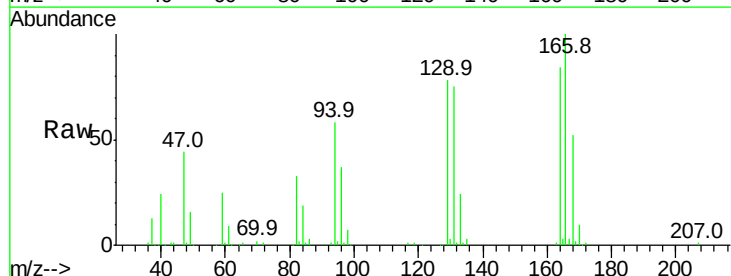
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

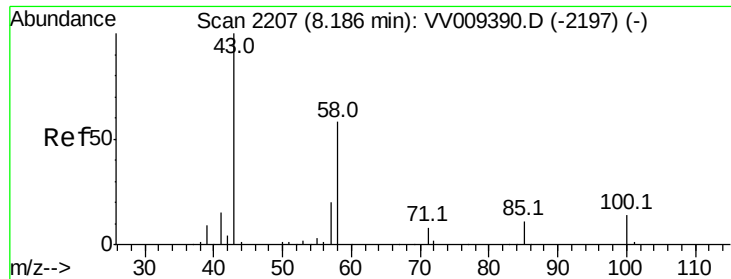
Tgt Ion:	97	Resp:	53611
Ion	Ratio	Lower	Upper
97	100		
83	85.2	63.8	118.6
85	56.0	39.5	73.4
99	60.9	45.9	85.3



#47
 Tetrachloroethene
 Concen: 25.258 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

Tgt Ion:	164	Resp:	50647
Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.7	125.7
131	88.6	67.5	125.3
166	118.4	81.6	151.6

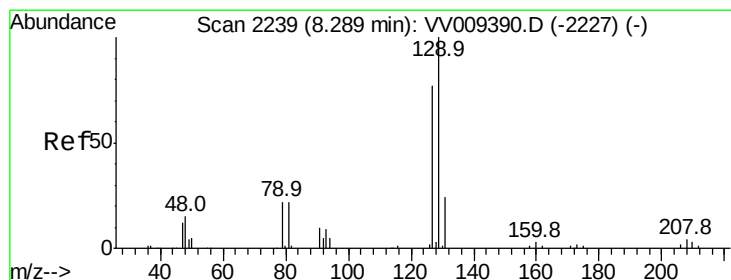
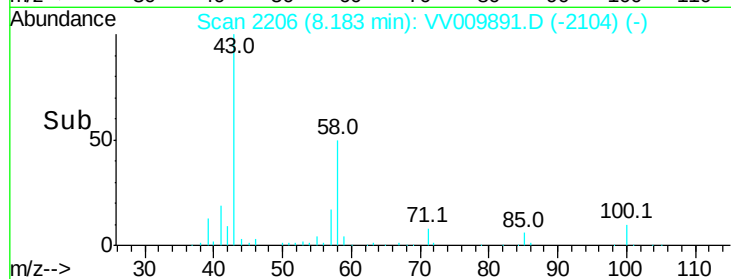
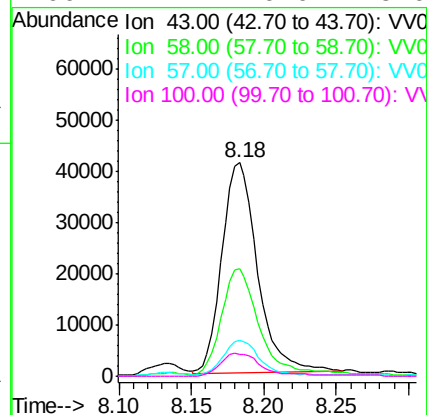
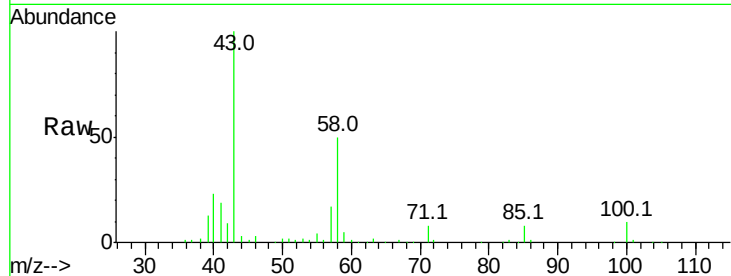




#49
2-Hexanone
Concen: 48.908 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

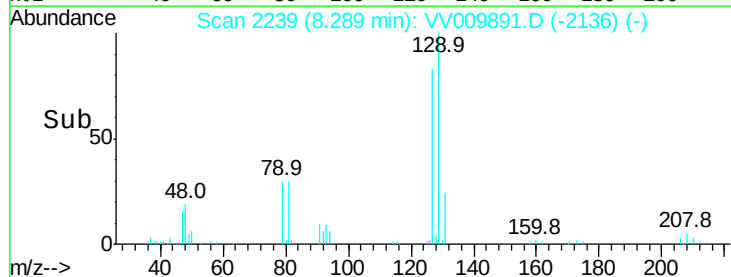
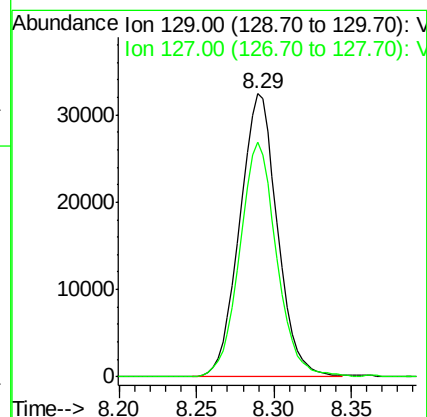
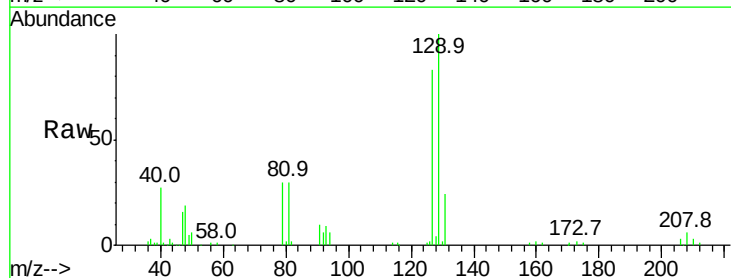
Instrument :
MSVOA_V
ClientSampleId :
VSTD02562

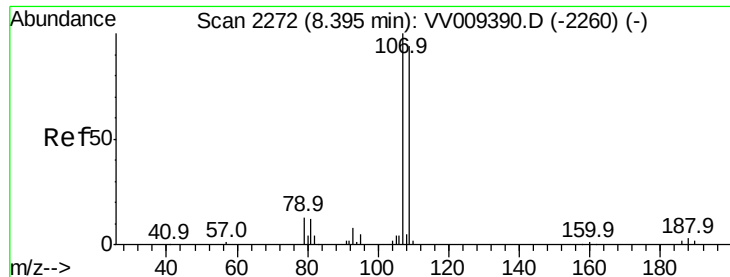
Tgt Ion: 43 Resp: 70934
Ion Ratio Lower Upper
43 100
58 52.5 46.3 69.5
57 16.1 15.8 23.6
100 11.4 10.0 15.0



#50
Dibromochloromethane
Concen: 21.850 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009891.D
Acq: 26 Mar 2019 12:50

Tgt Ion: 129 Resp: 54848
Ion Ratio Lower Upper
129 100
127 82.7 53.7 99.7

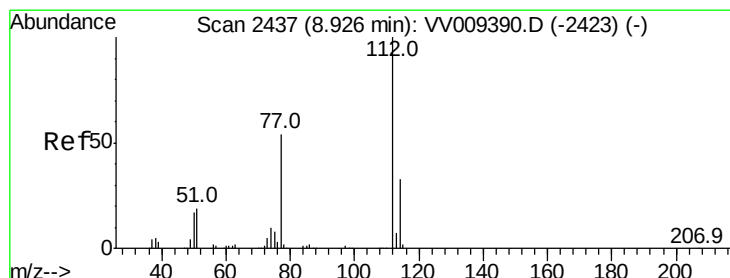
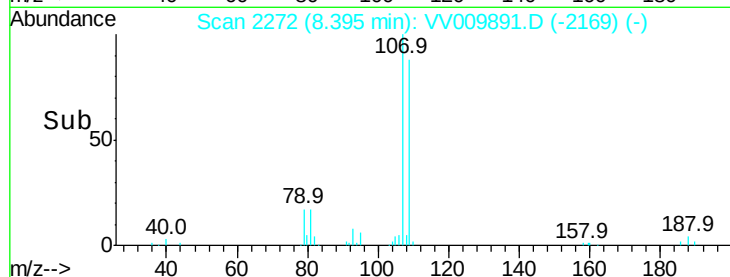
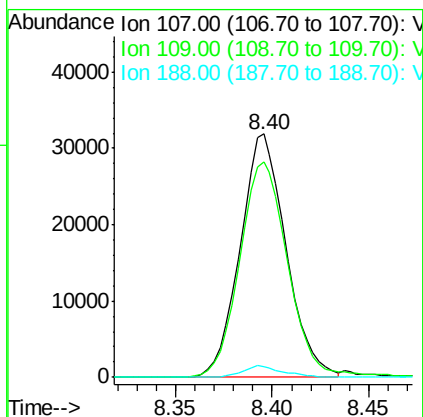
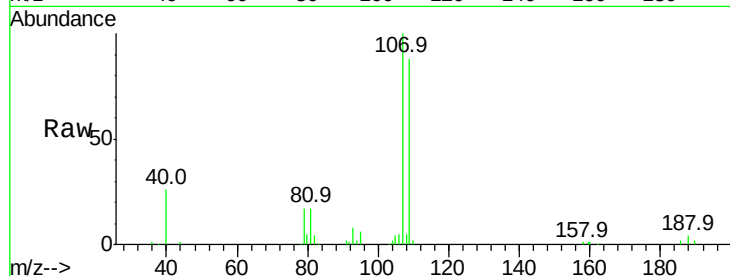




#51
 1,2-Dibromoethane
 Concen: 26.001 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

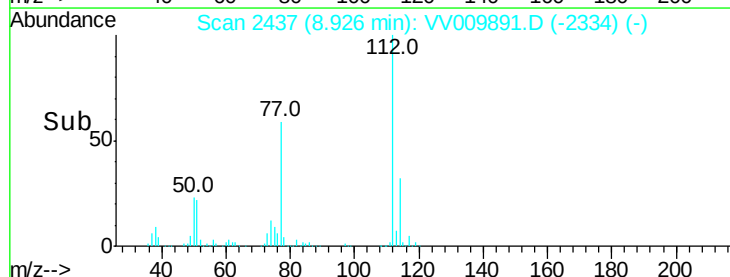
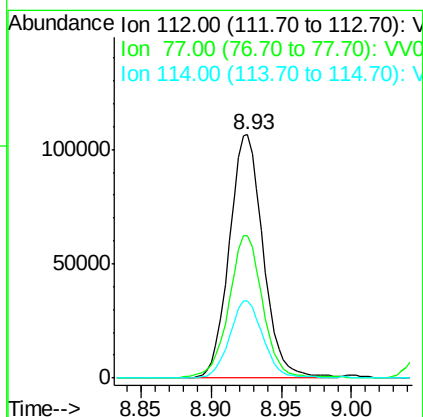
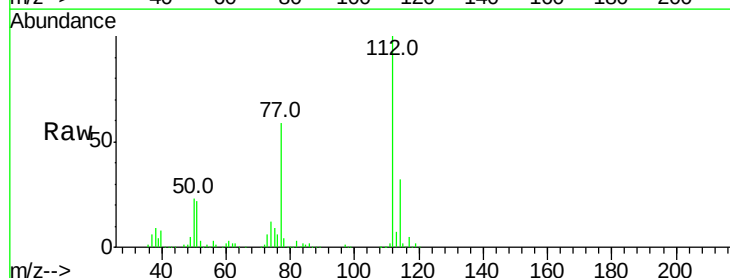
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02562

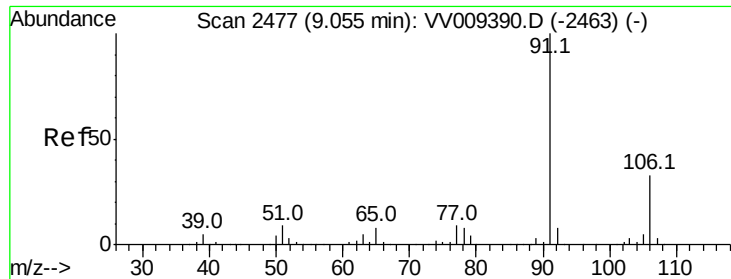
Tgt Ion:107 Resp: 52531
 Ion Ratio Lower Upper
 107 100
 109 88.3 65.6 121.8
 188 4.4 2.3 3.5#



#52
 Chlorobenzene
 Concen: 25.315 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009891.D
 Acq: 26 Mar 2019 12:50

Tgt Ion:112 Resp: 179353
 Ion Ratio Lower Upper
 112 100
 77 58.5 45.0 67.6
 114 31.9 22.9 42.5





#53

Ethylbenzene

Concen: 24.338 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

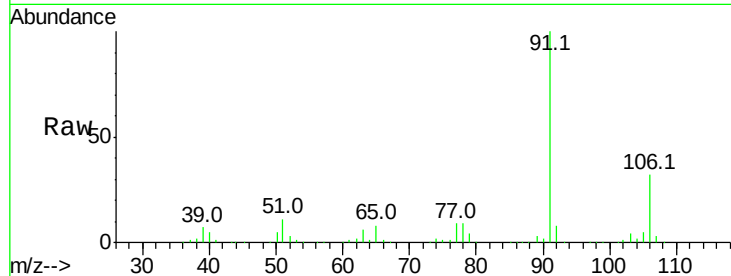
VSTD02562

Tgt Ion: 91 Resp: 304475

Ion Ratio Lower Upper

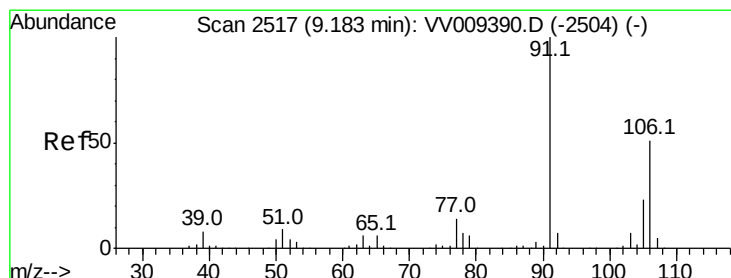
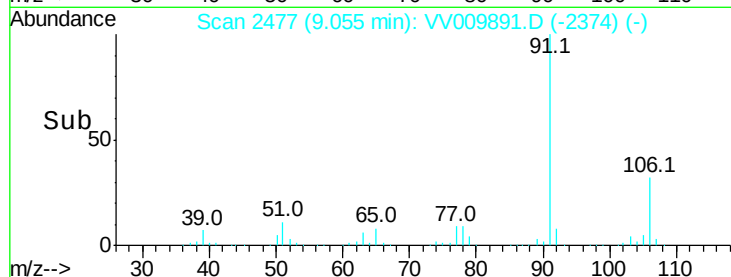
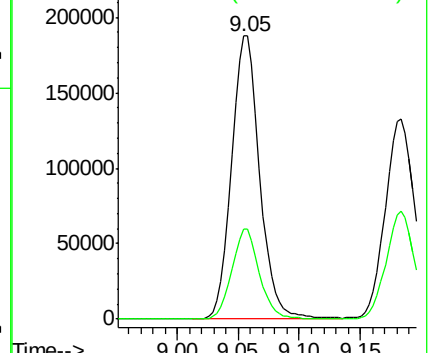
91 100

106 31.8 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.267 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009891.D

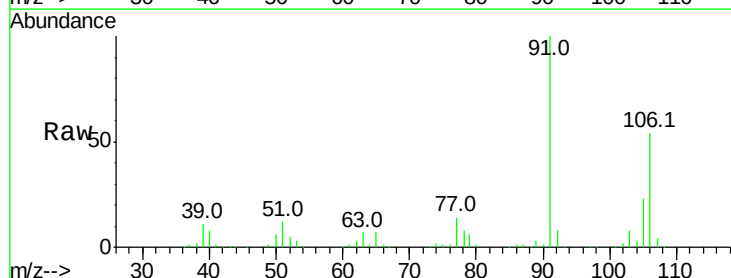
Acq: 26 Mar 2019 12:50

Tgt Ion: 106 Resp: 118262

Ion Ratio Lower Upper

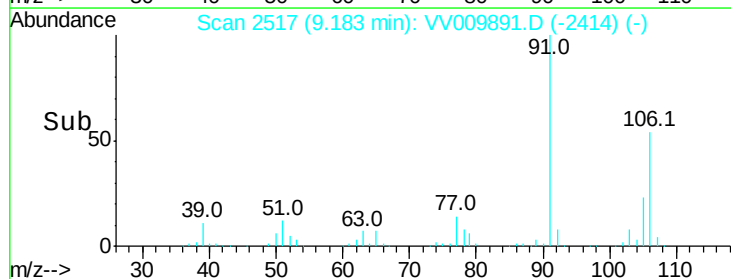
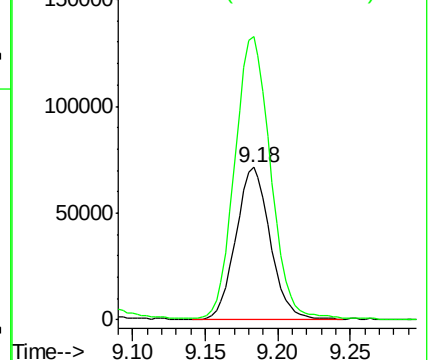
106 100

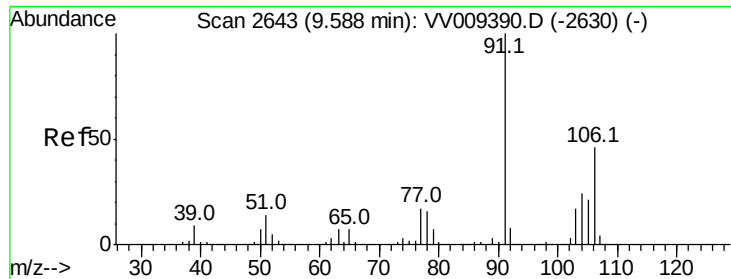
91 185.7 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 24.791 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009891.D

Acq: 26 Mar 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

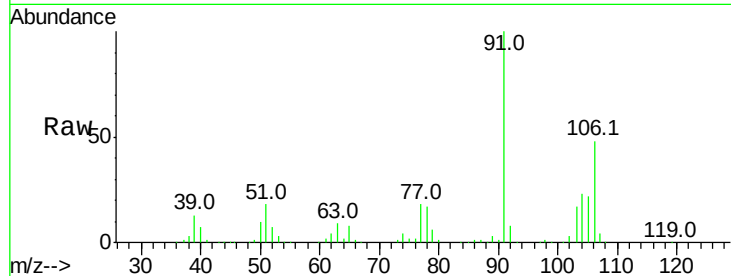
VSTD02562

Tgt Ion:106 Resp: 114546

Ion Ratio Lower Upper

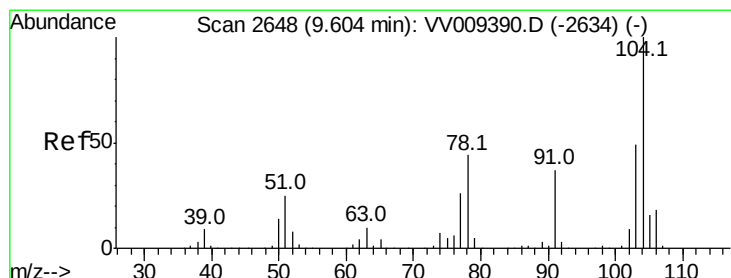
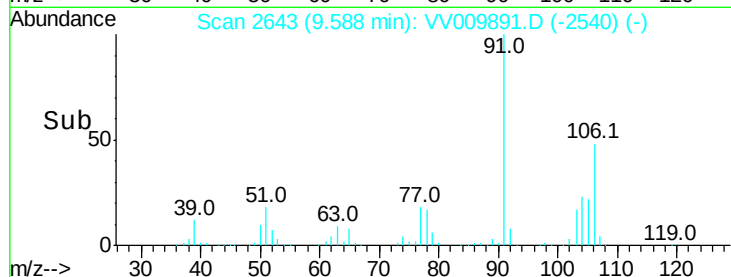
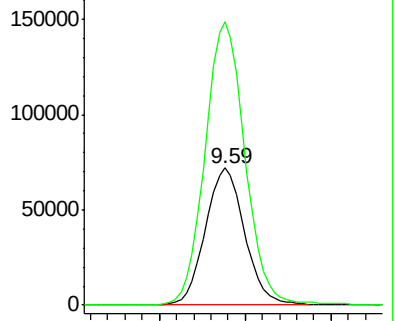
106 100

91 206.2 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.297 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009891.D

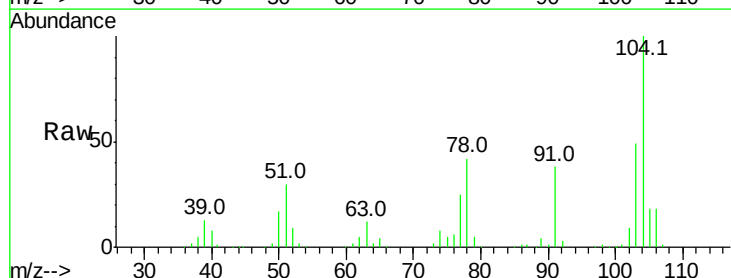
Acq: 26 Mar 2019 12:50

Tgt Ion:104 Resp: 196051

Ion Ratio Lower Upper

104 100

78 41.8 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

