

Data File : VV009893.D
Acq On : 26 Mar 2019 13:42
Operator : SY/MD
Sample : VSTD10064
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Quant Time: Mar 26 14:10:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:05:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	208549	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231671	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121757	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	342708	130.62	ug/L	0.00
7) Chloroethane-d5	1.56	69	346774	101.65	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	954578	137.58	ug/L	0.00
20) 2-Butanone-d5	3.93	46	155211	196.35	ug/L	0.00
24) Chloroform-d	4.40	84	494113	97.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	300162	107.27	ug/L	0.00
29) Benzene-d6	5.10	84	1010742	82.07	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	298080	82.59	ug/L	0.00
37) Toluene-d8	7.36	98	1050732	88.94	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	152879	84.74	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	142029	185.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	356547	101.15	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	450841	99.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	255904	96.937	ug/L	99
3) Chloromethane	1.25	50	278206	99.287	ug/L	97
5) Vinyl chloride	1.32	62	402814	129.391	ug/L	99
6) Bromomethane	1.51	94	348829	104.185	ug/L	100
8) Chloroethane	1.58	64	303381	114.287	ug/L	99
9) Trichlorofluoromethane	1.76	101	840682	133.922	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	495227	142.180	ug/L	99
12) 1,1-Dichloroethene	2.14	96	430012	143.580	ug/L	91
13) Acetone	2.19	43	275662	305.027	ug/L	100
14) Carbon disulfide	2.32	76	619590	79.623	ug/L	100
15) Methyl Acetate	2.46	43	123009	103.010	ug/L	97
16) Methylene chloride	2.53	84	248173	87.857	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	632618	97.073	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	235007	90.282	ug/L	99
19) 1,1-Dichloroethane	3.23	63	431672	93.349	ug/L	97
21) 2-Butanone	4.01	43	195551	173.638	ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	275082	93.996	ug/L	95
23) Bromochloromethane	4.30	128	127090	96.766	ug/L	96
25) Chloroform	4.43	83	476608	94.708	ug/L	100
27) 1,2-Dichloroethane	5.18	62	374810	107.670	ug/L	98
30) Cyclohexane	4.73	56	386712	70.467	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	385549	70.073	ug/L	100
32) Carbon tetrachloride	4.88	117	349078	74.389	ug/L	97
34) Benzene	5.15	78	1066366	82.556	ug/L	100
35) Trichloroethene	5.96	95	271483	75.928	ug/L	97
36) Methylcyclohexane	6.18	83	449324	71.973	ug/L	99
40) 1,2-Dichloropropane	6.22	63	266092	82.923	ug/L	# 94
41) Bromodichloromethane	6.55	83	373317	81.808	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	442785	86.843	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	425774	185.587	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Mar 26 14:05:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1340313	92.776	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	407349	88.124	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	234842	88.599	ug/L	99
47) Tetrachloroethene	8.02	164	221064	83.472	ug/L	95
49) 2-Hexanone	8.18	43	336925	175.885	ug/L	98
50) Dibromochloromethane	8.29	129	285419	86.087	ug/L	94
51) 1,2-Dibromoethane	8.40	107	239188	89.638	ug/L #	95
52) Chlorobenzene	8.93	112	864808	92.419	ug/L	98
53) Ethylbenzene	9.06	91	1601126	96.901	ug/L	99
54) m,p-Xylene	9.18	106	675207	104.903	ug/L	92
55) o-xylene	9.59	106	681023	111.597	ug/L	96
56) Styrene	9.60	104	1287654	125.797	ug/L	98
57) Isopropylbenzene	9.98	105	1812317	108.701	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	351592	97.546	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	245989	95.822	ug/L	97
62) Bromoform	9.78	173	184221	84.283	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	702486	89.881	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	721208	92.448	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	753323	102.586	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	49568	68.364	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	513268	93.006	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	417807	97.522	ug/L	99
69) Naphthalene	13.55	128	824247	95.017	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	391058	98.471	ug/L	99

(#) = 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 :
VSTD10064

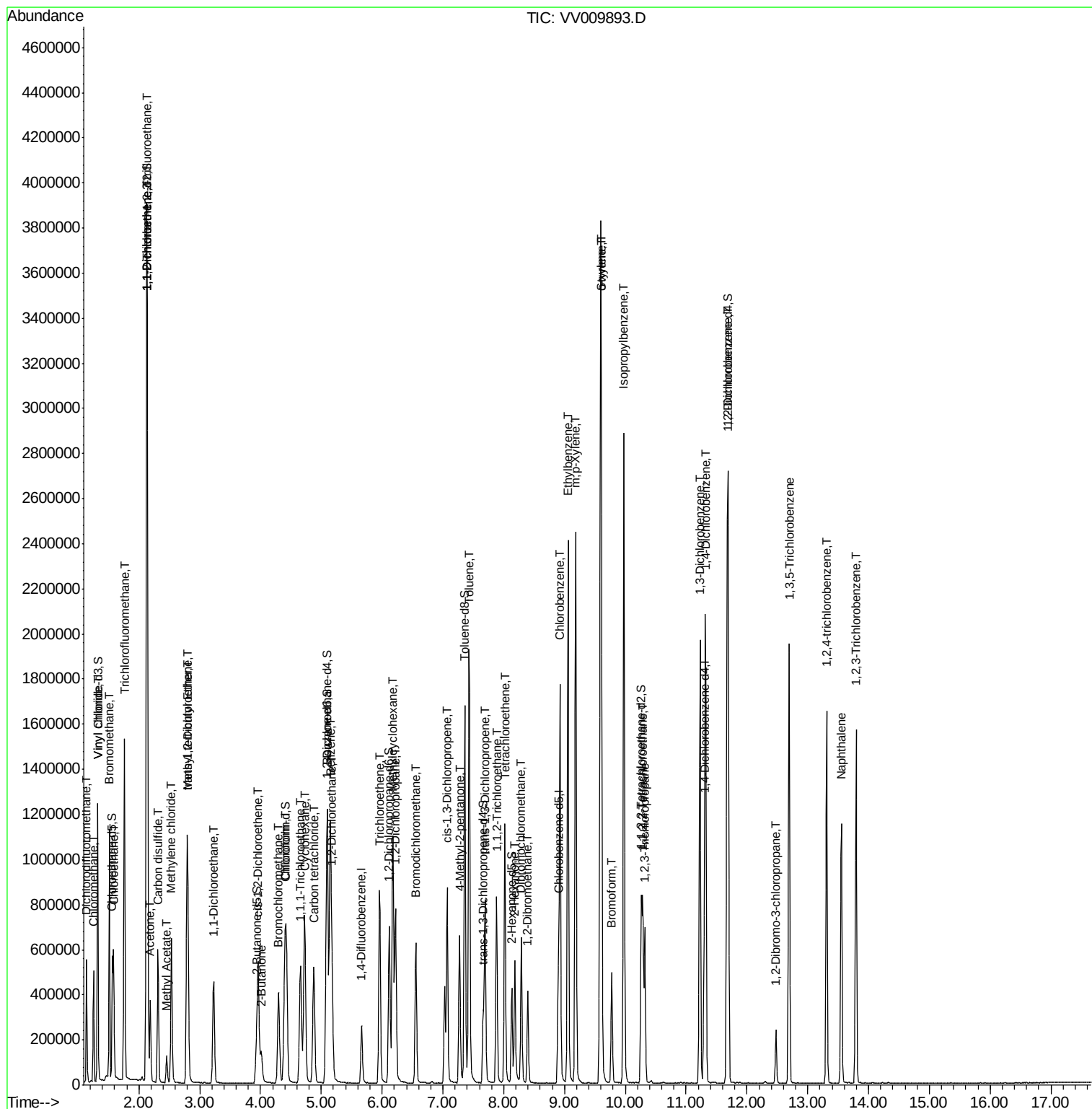
Quant Time: Mar 26 14:10:42 2019

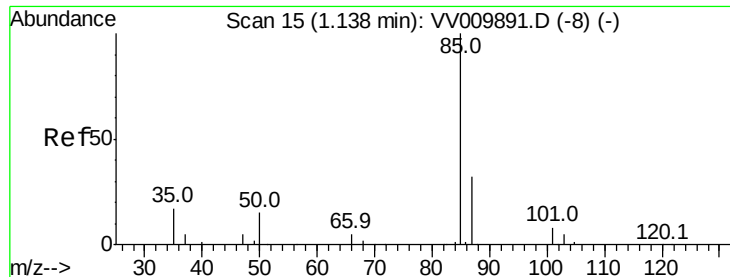
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 14:05:09 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 96.937 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

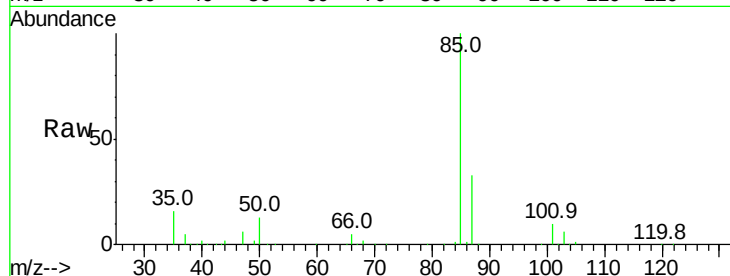
VSTD10064

Tgt Ion: 85 Resp: 255904

Ion Ratio Lower Upper

85 100

87 32.3 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009893.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009893.D (-8) (-)

1.14

250000

200000

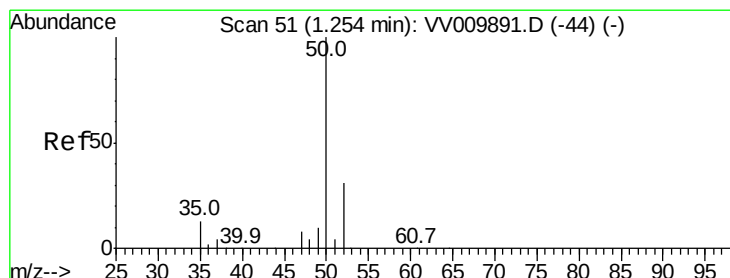
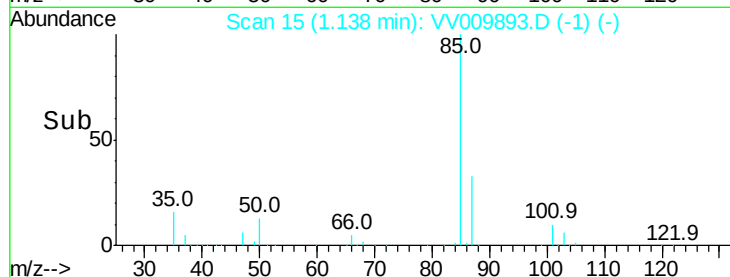
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 99.287 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009893.D

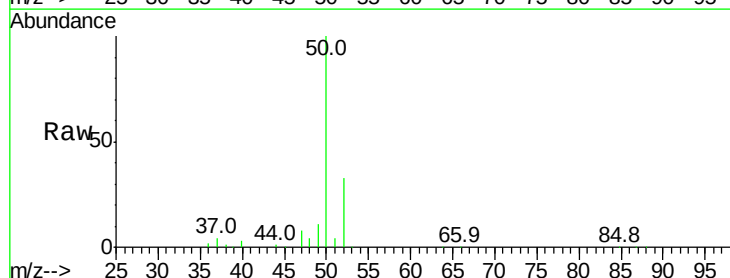
Acq: 26 Mar 2019 13:42

Tgt Ion: 50 Resp: 278206

Ion Ratio Lower Upper

50 100

52 32.9 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VV009893.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV009893.D (-44) (-)

1.25

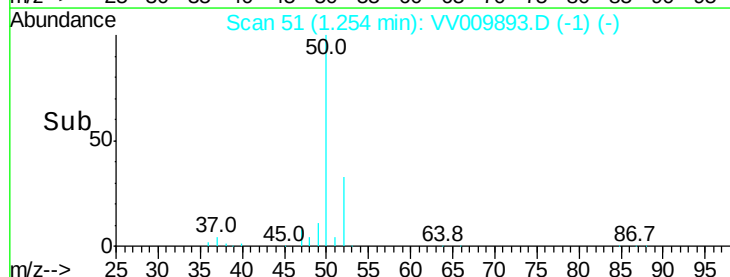
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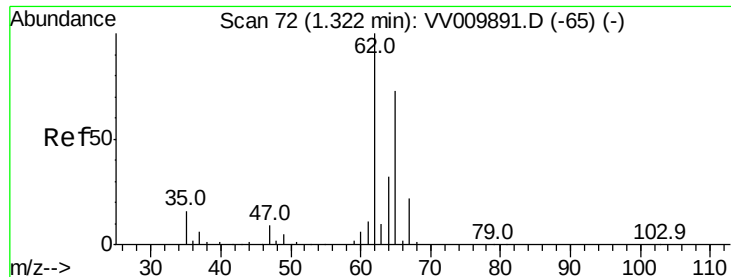
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 129.391 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

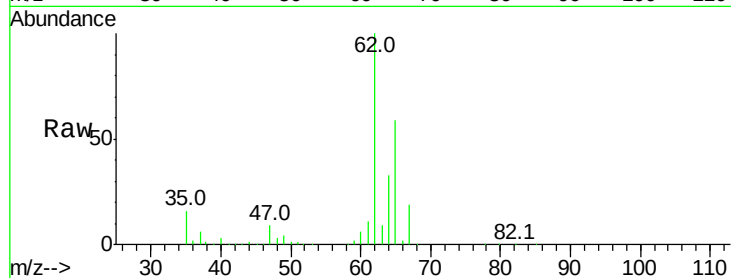
VSTD10064

Tgt Ion: 62 Resp: 402814

Ion Ratio Lower Upper

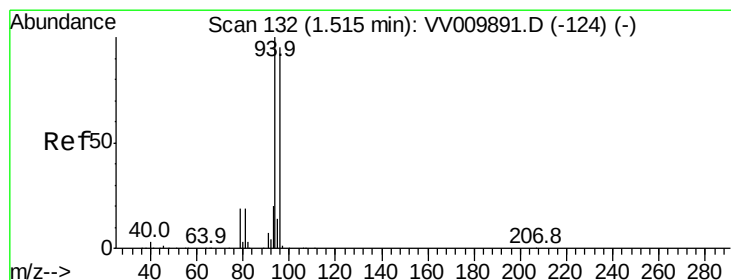
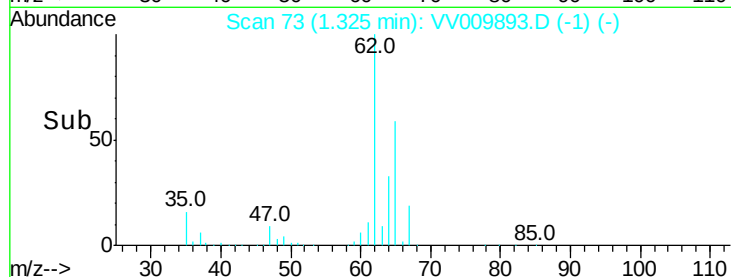
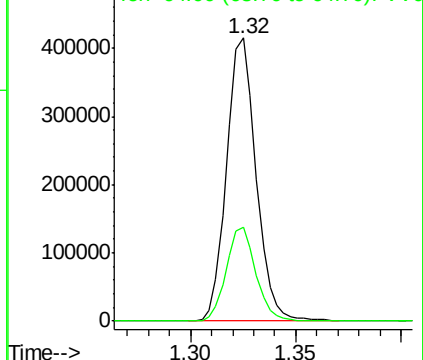
62 100

64 33.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 104.185 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV009893.D

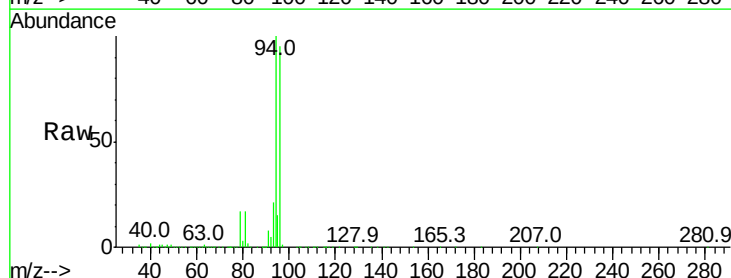
Acq: 26 Mar 2019 13:42

Tgt Ion: 94 Resp: 348829

Ion Ratio Lower Upper

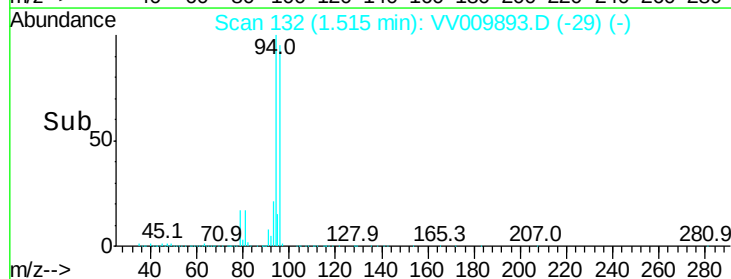
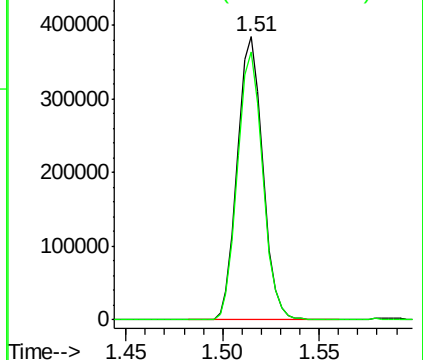
94 100

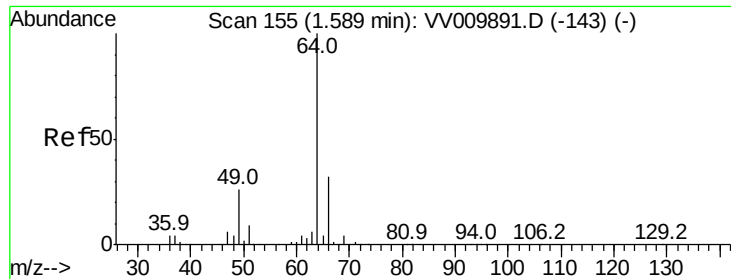
96 94.3 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 114.287 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

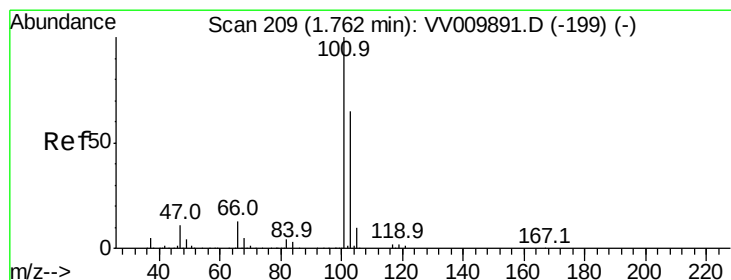
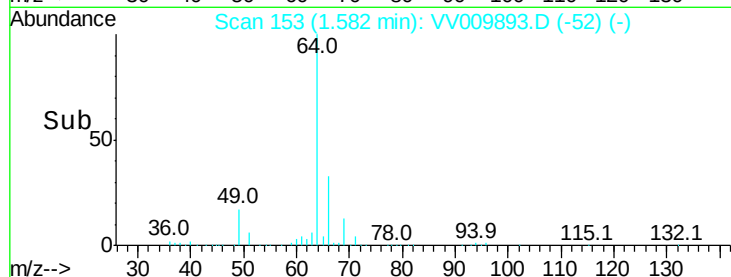
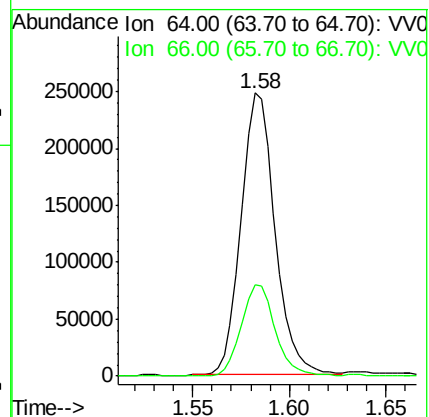
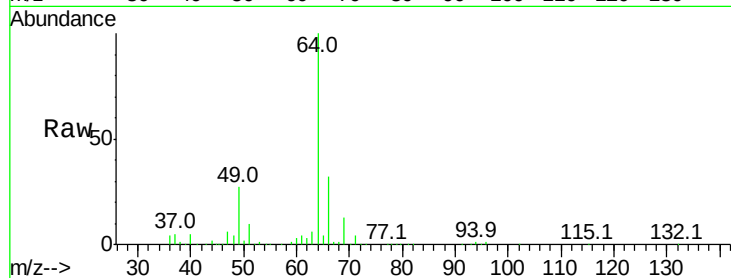
VSTD10064

Tgt Ion: 64 Resp: 303381

Ion Ratio Lower Upper

64 100

66 32.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 133.922 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009893.D

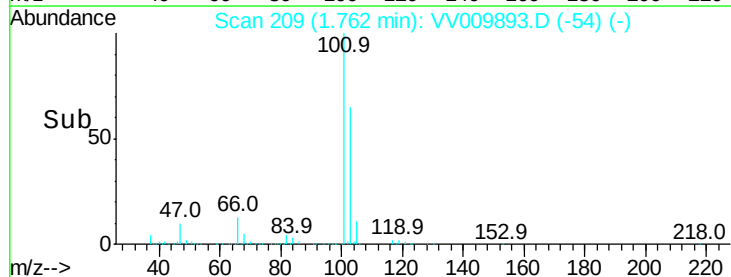
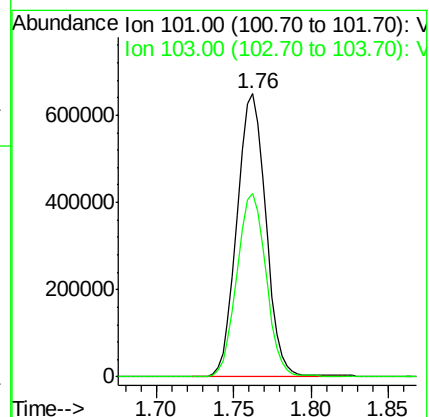
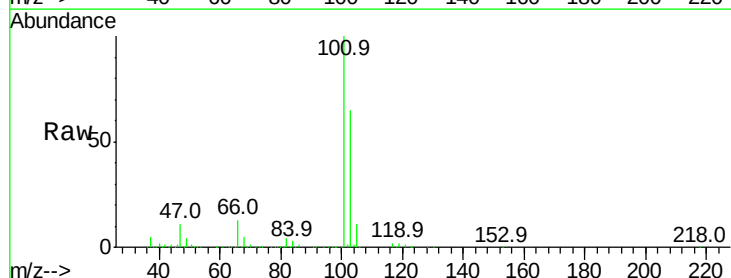
Acq: 26 Mar 2019 13:42

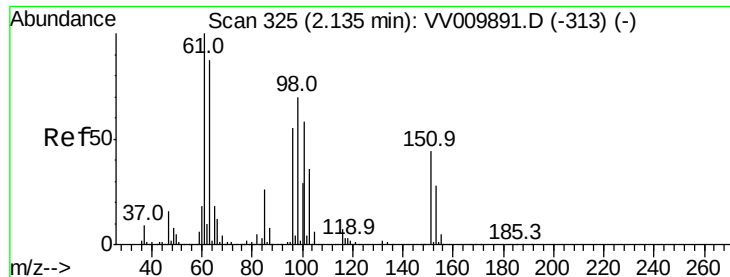
Tgt Ion: 101 Resp: 840682

Ion Ratio Lower Upper

101 100

103 65.8 45.1 83.9





#11

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

Concen: 142.180 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

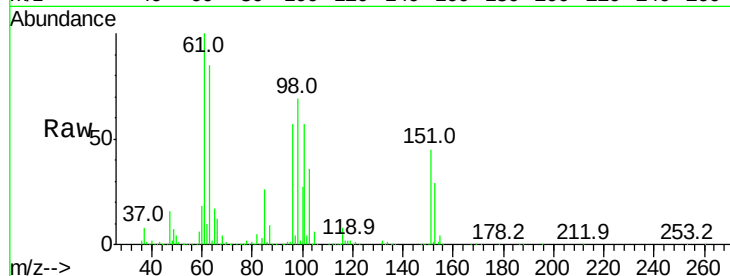
Tgt Ion: 101 Resp: 495227

Ion Ratio Lower Upper

101 100

85 46.3 36.9 55.3

151 78.7 63.6 95.4

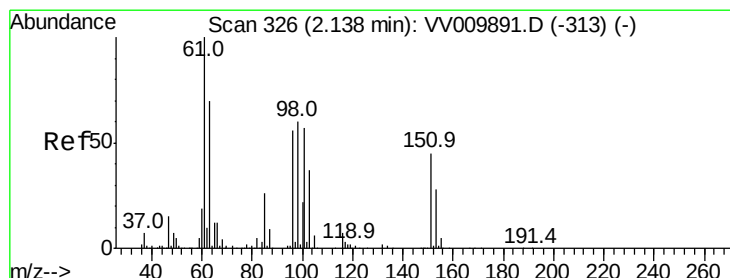
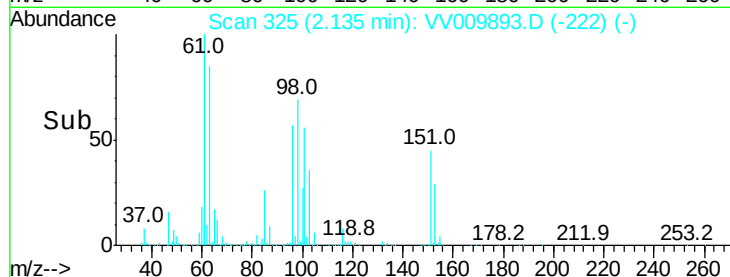


Abundance Ion 101.00 (100.70 to 101.70): VV009893.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009893.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009893.D (-222) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 143.580 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

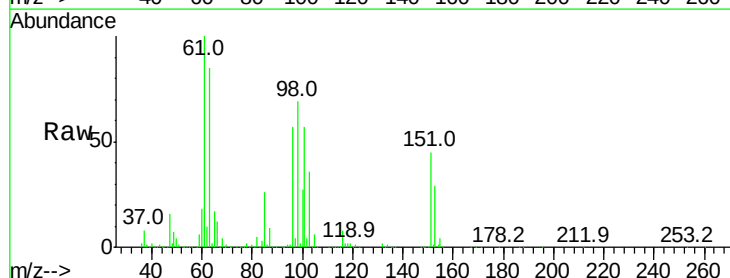
Tgt Ion: 96 Resp: 430012

Ion Ratio Lower Upper

96 100

61 176.3 124.3 230.8

63 150.3 88.2 163.8

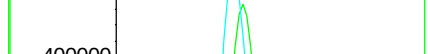
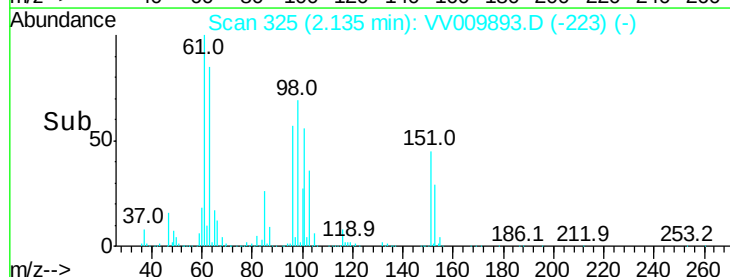


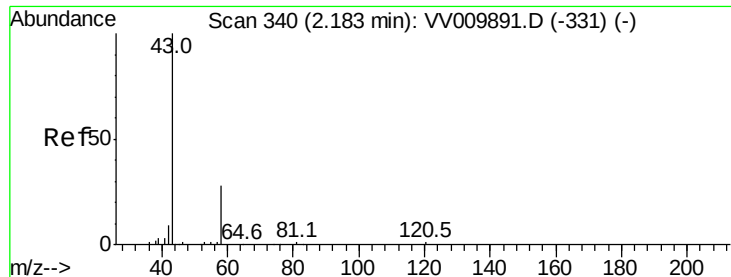
Abundance Ion 96.00 (95.70 to 96.70): VV009893.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009893.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009893.D (-223) (-)

Time-->





#13

Acetone

Concen: 305.027 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

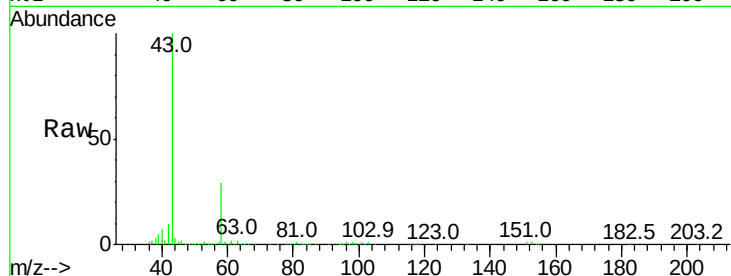
VSTD10064

Tgt Ion: 43 Resp: 275662

Ion Ratio Lower Upper

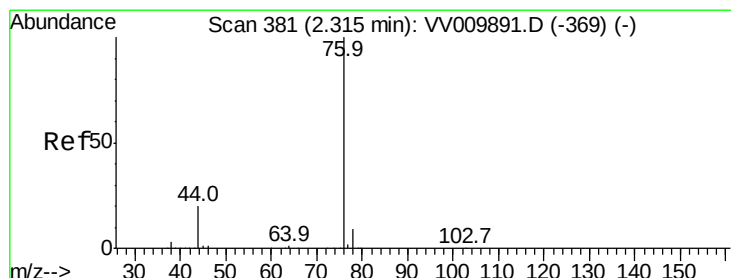
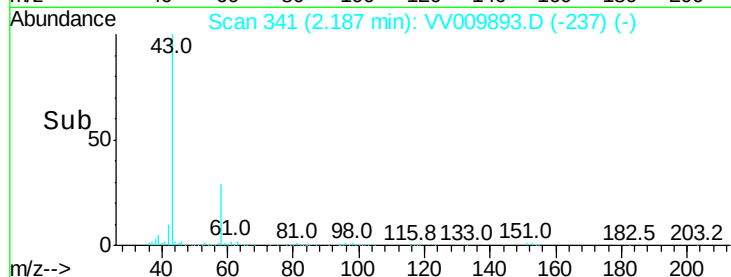
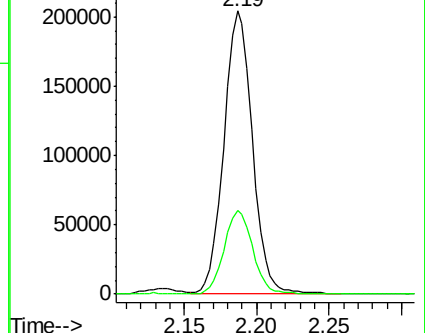
43 100

58 29.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009891.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009891.D (-331) (-)



#14

Carbon disulfide

Concen: 79.623 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009893.D

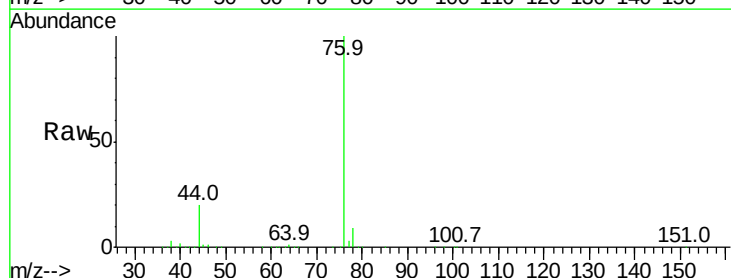
Acq: 26 Mar 2019 13:42

Tgt Ion: 76 Resp: 619590

Ion Ratio Lower Upper

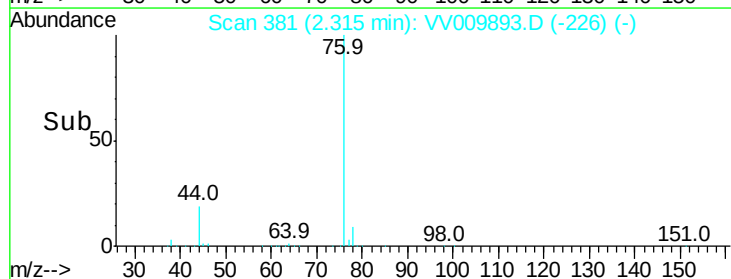
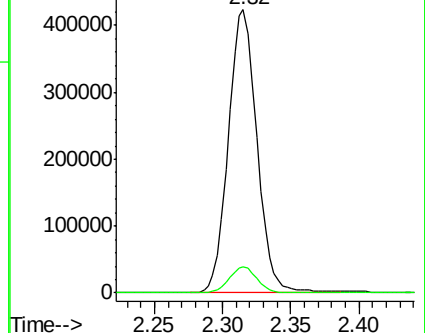
76 100

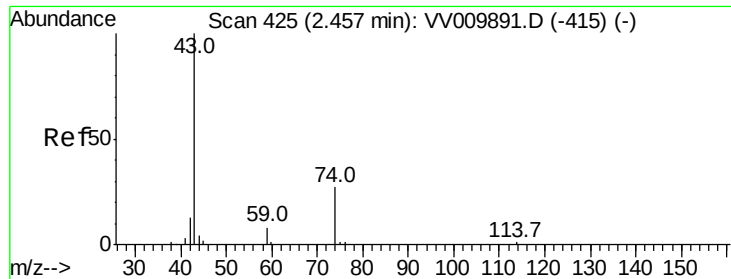
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009891.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009891.D (-369) (-)





#15

Methyl Acetate

Concen: 103.010 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

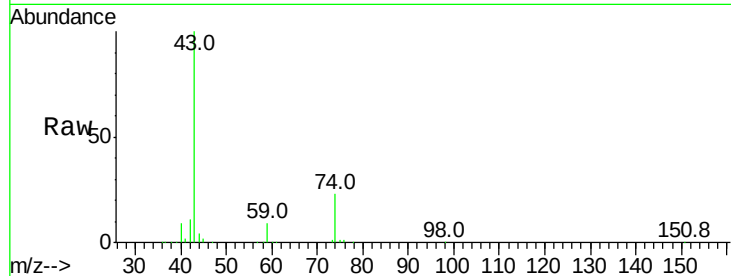
VSTD10064

Tgt Ion: 43 Resp: 123009

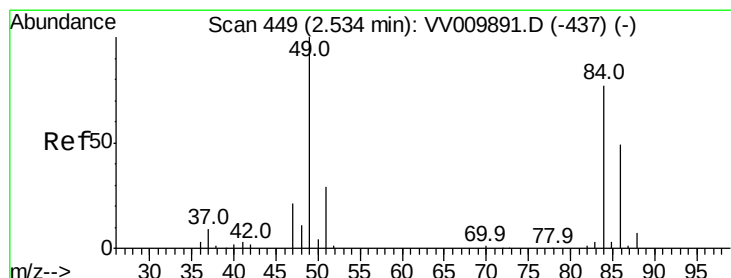
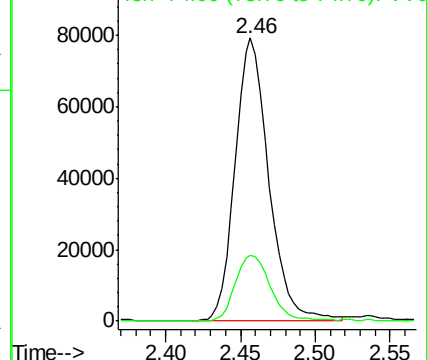
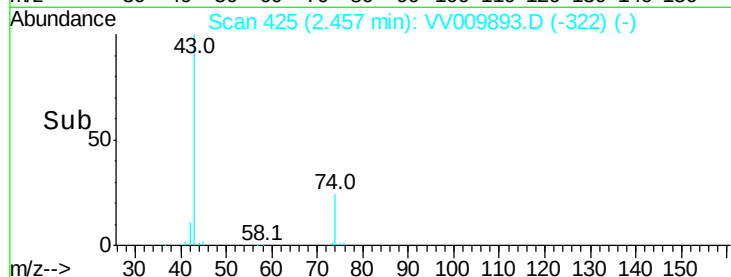
Ion Ratio Lower Upper

43 100

74 24.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VV009893.D (-322) (-)



#16

Methylene chloride

Concen: 87.857 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

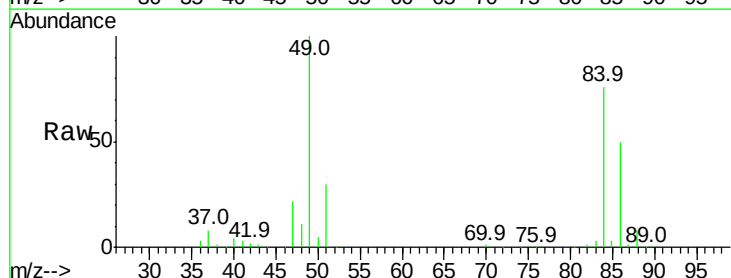
Tgt Ion: 84 Resp: 248173

Ion Ratio Lower Upper

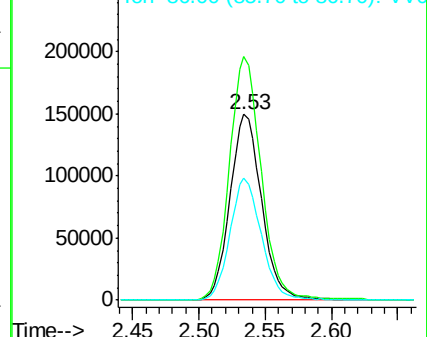
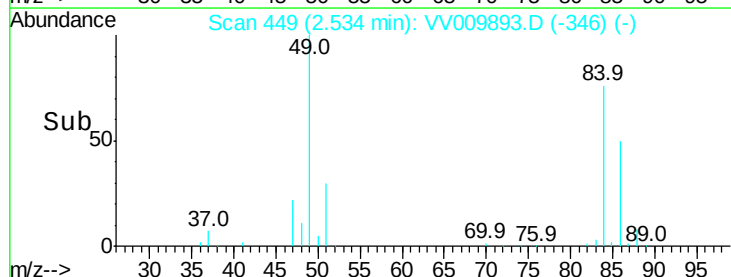
84 100

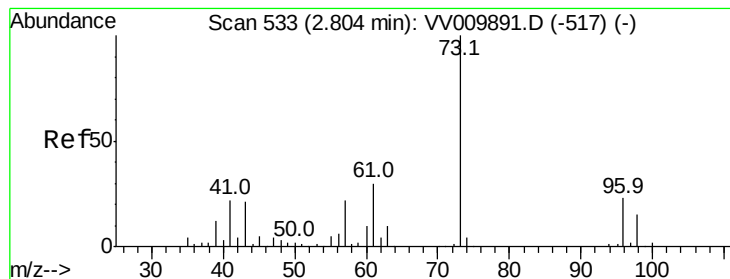
49 131.0 90.4 167.8

86 65.3 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009893.D (-346) (-)





#17

Methyl tert-butyl Ether

Concen: 97.073 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

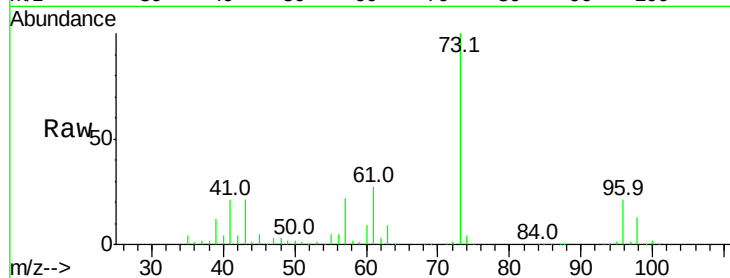
Tgt Ion: 73 Resp: 632618

Ion Ratio Lower Upper

73 100

43 20.8 17.0 25.6

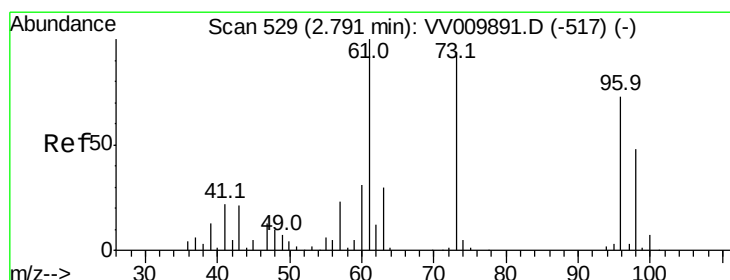
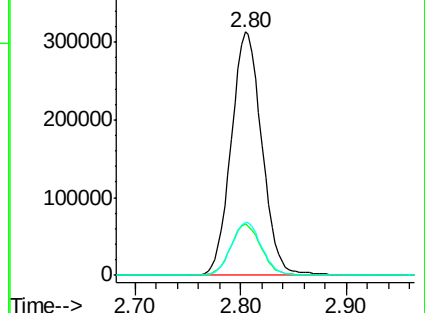
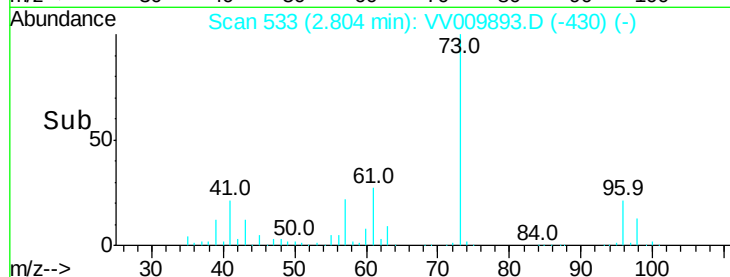
57 21.5 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV009893.D (-430) (-)

Ion 43.00 (42.70 to 43.70): VV009893.D (-430) (-)

Ion 57.00 (56.70 to 57.70): VV009893.D (-430) (-)



#18

trans-1,2-Dichloroethene

Concen: 90.282 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

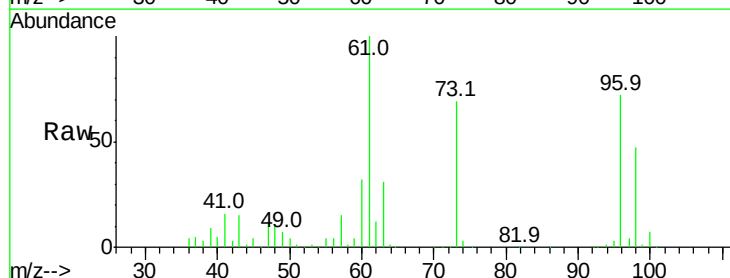
Tgt Ion: 96 Resp: 235007

Ion Ratio Lower Upper

96 100

61 139.2 96.8 179.8

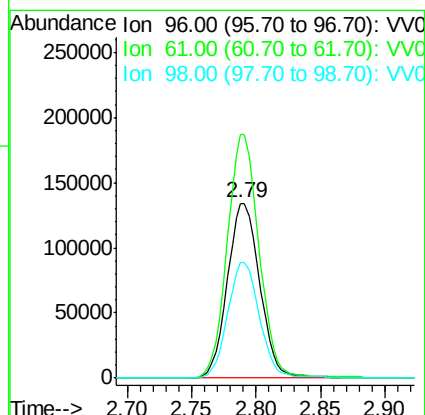
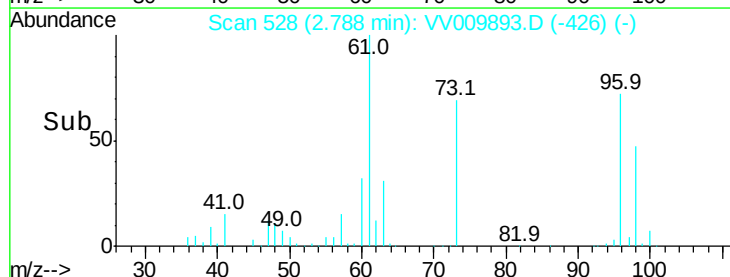
98 65.7 46.1 85.7

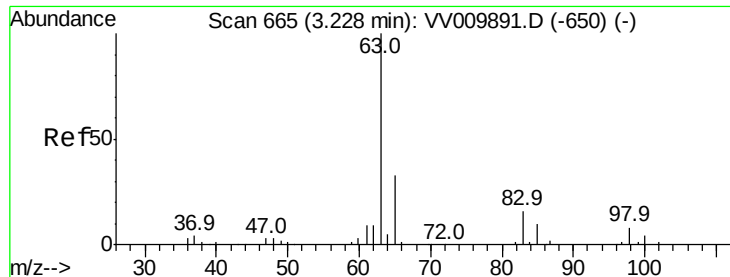


Abundance Ion 96.00 (95.70 to 96.70): VV009893.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV009893.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV009893.D (-426) (-)

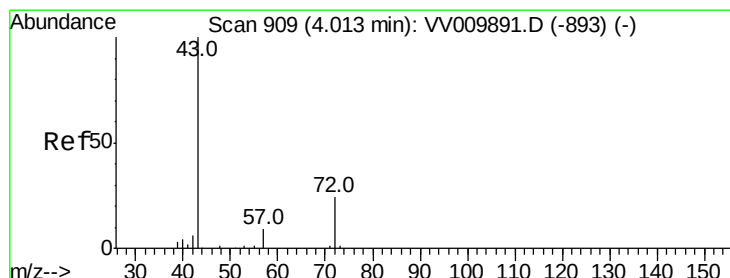
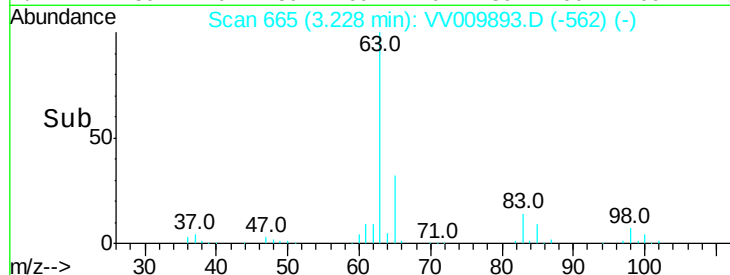
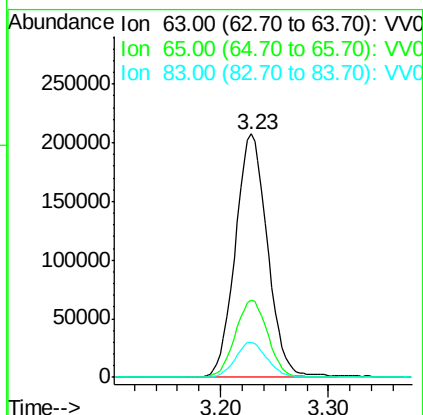
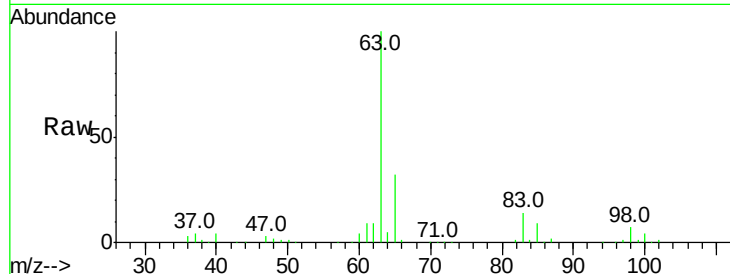




#19
 1,1-Dichloroethane
 Concen: 93.349 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

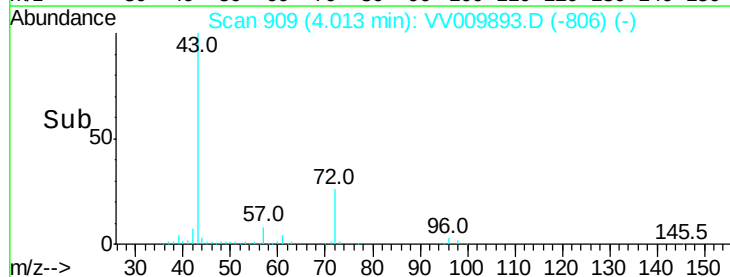
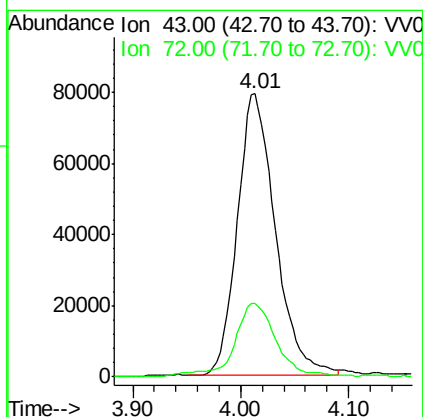
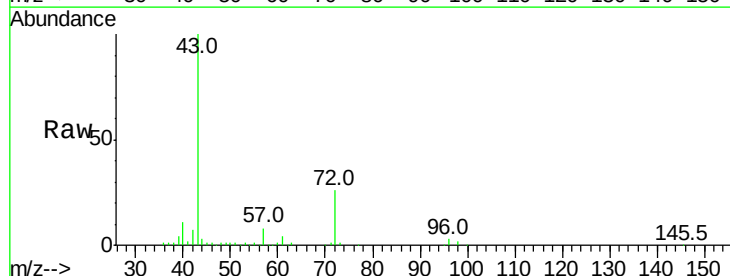
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

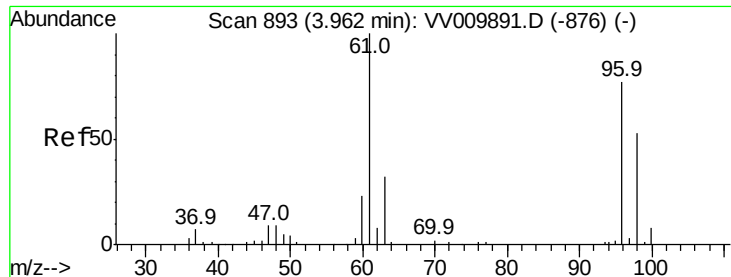
Tgt Ion: 63 Resp: 431672
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.2 43.0
 83 14.4 11.3 21.1



#21
 2-Butanone
 Concen: 173.638 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion: 43 Resp: 195551
 Ion Ratio Lower Upper
 43 100
 72 26.8 11.1 33.1



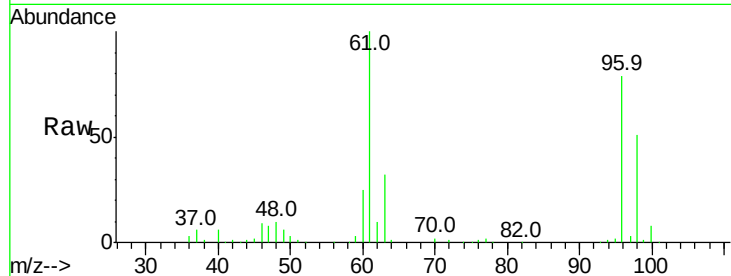


#22

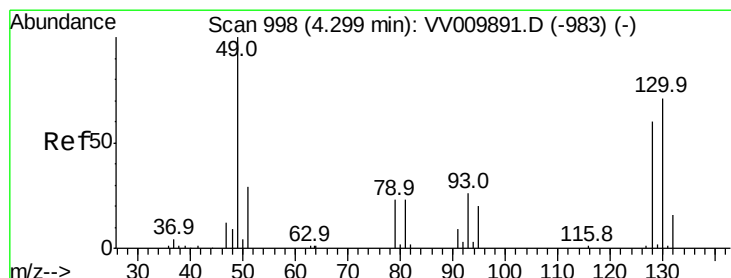
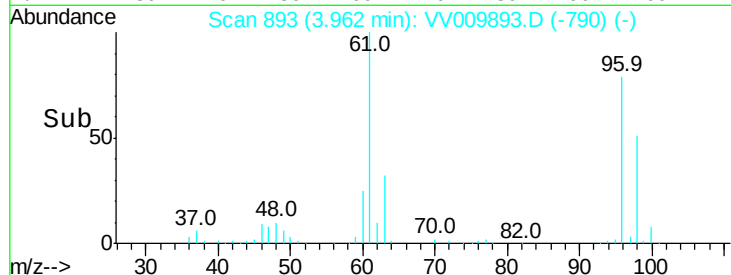
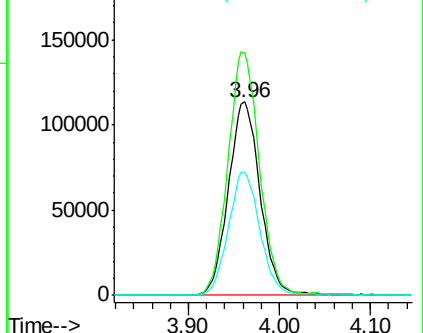
cis-1,2-Dichloroethene
Concen: 93.996 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 96 Resp: 275082
Ion Ratio Lower Upper
96 100
61 125.8 91.4 169.8
98 64.0 48.0 89.2



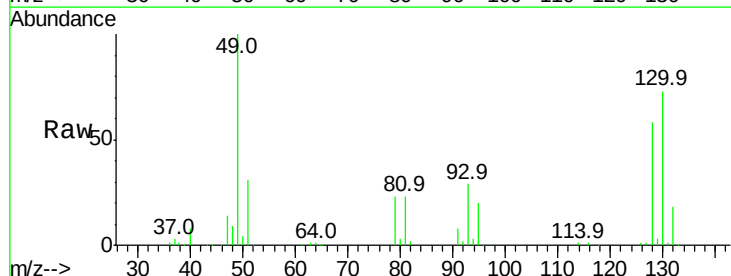
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



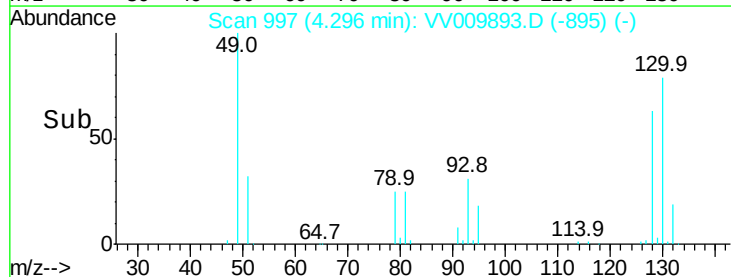
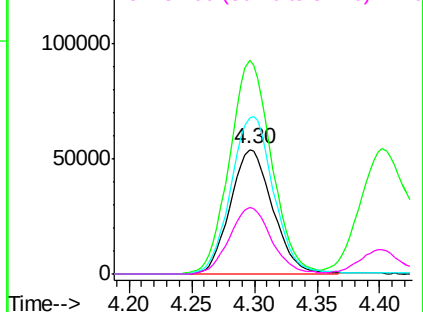
#23

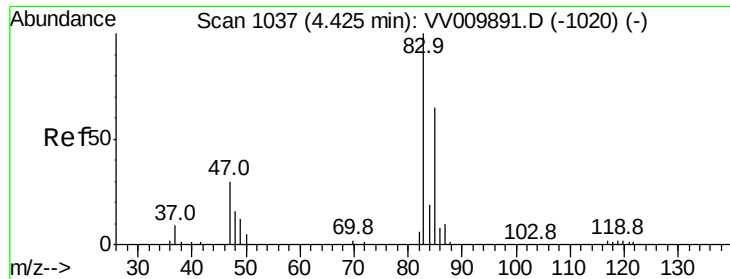
Bromochloromethane
Concen: 96.766 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Tgt Ion: 128 Resp: 127090
Ion Ratio Lower Upper
128 100
49 171.7 118.2 219.6
130 125.6 83.4 154.8
51 53.1 39.4 59.2



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

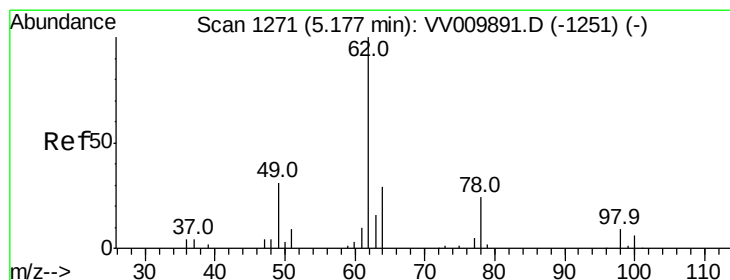
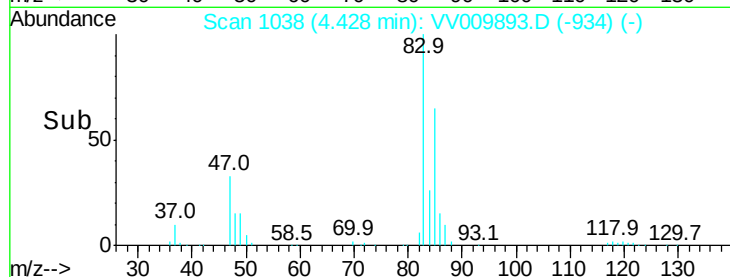
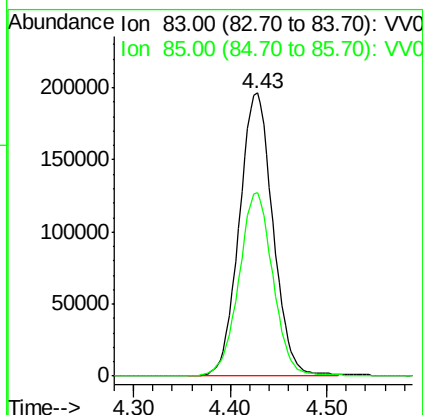
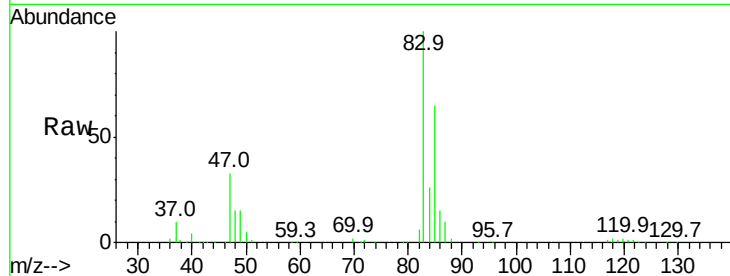




#25
Chloroform
Concen: 94.708 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

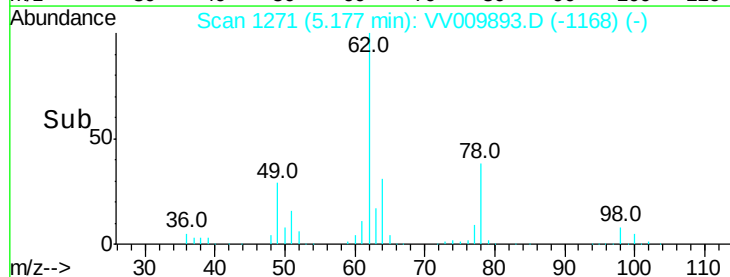
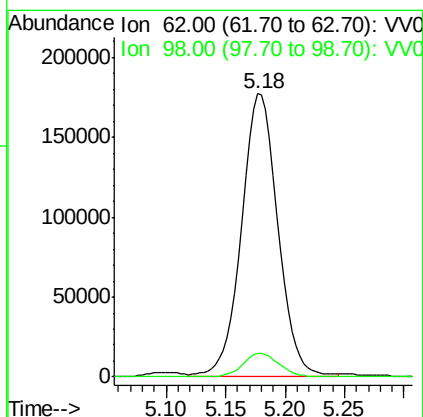
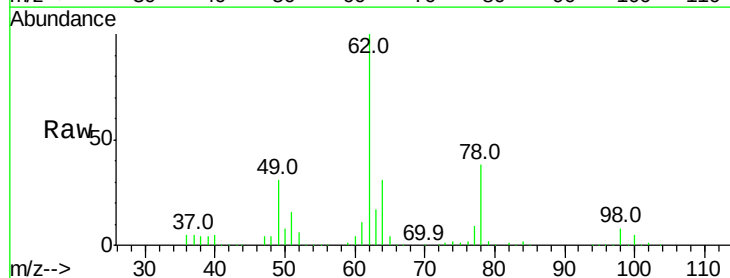
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

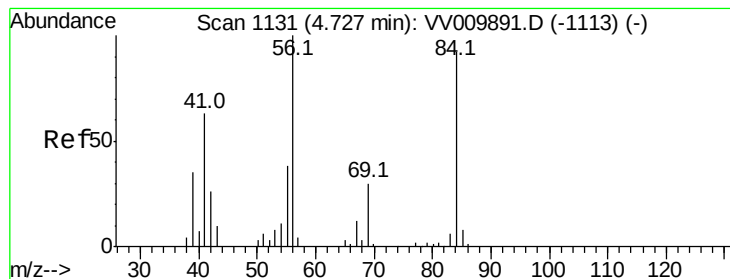
Tgt Ion: 83 Resp: 476608
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 107.670 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Tgt Ion: 62 Resp: 374810
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#30

Cyclohexane

Concen: 70.467 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

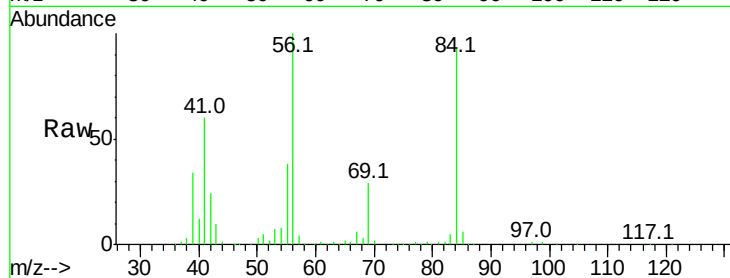
Tgt Ion: 56 Resp: 386712

Ion Ratio Lower Upper

56 100

69 29.9 24.5 36.7

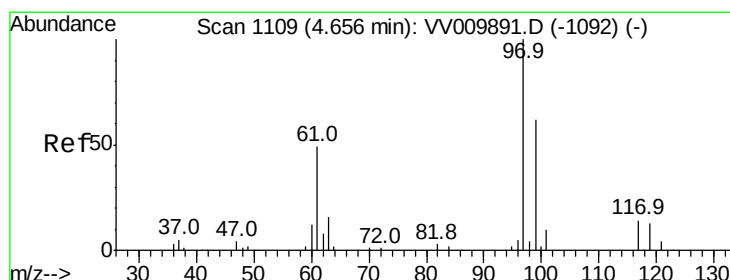
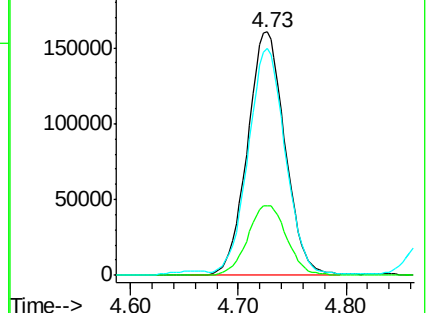
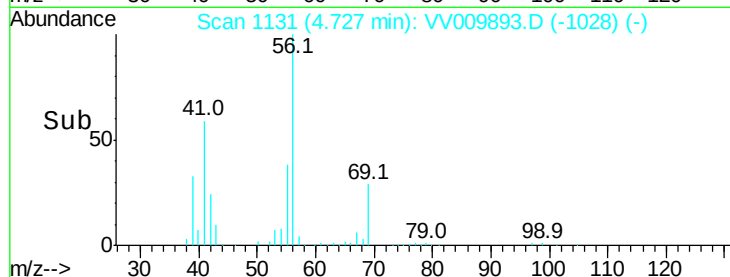
84 91.3 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV009893.D (-1028) (-)

Ion 69.00 (68.70 to 69.70): VV009893.D (-1028) (-)

Ion 84.00 (83.70 to 84.70): VV009893.D (-1028) (-)



#31

1,1,1-Trichloroethane

Concen: 70.073 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

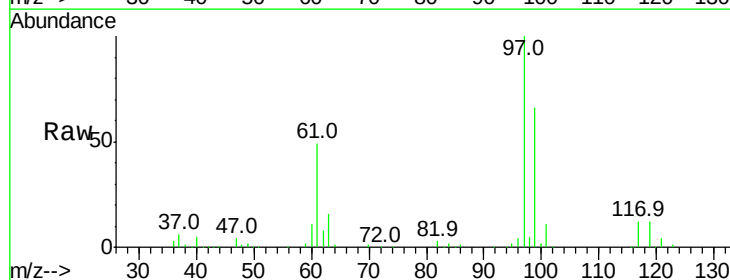
Tgt Ion: 97 Resp: 385549

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

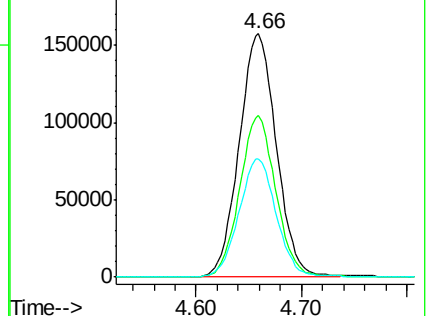
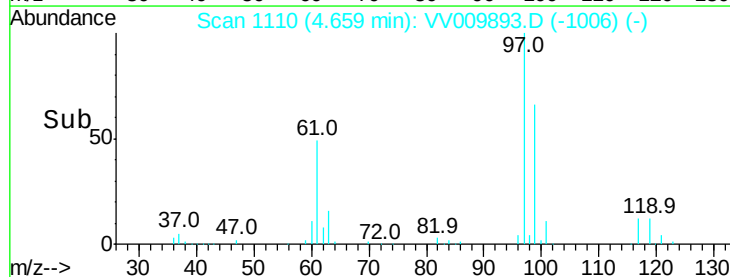
61 48.6 39.4 59.0

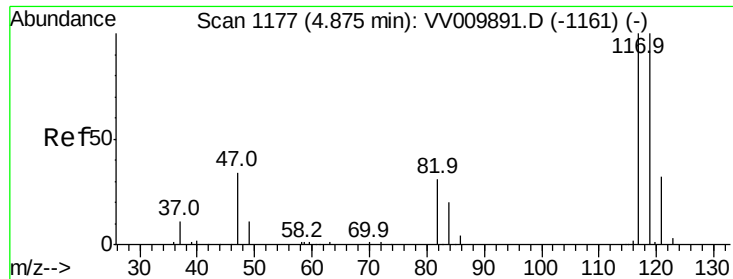


Abundance Ion 97.00 (96.70 to 97.70): VV009893.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV009893.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV009893.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 74.389 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

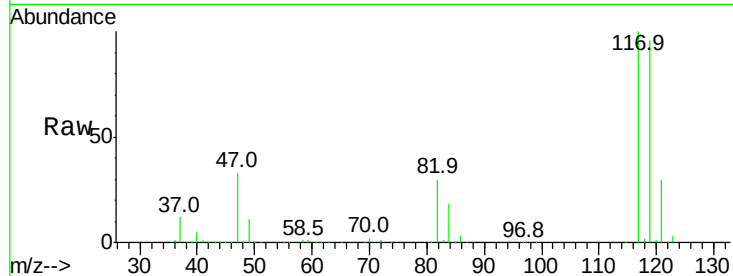
VSTD10064

Tgt Ion:117 Resp: 349078

Ion Ratio Lower Upper

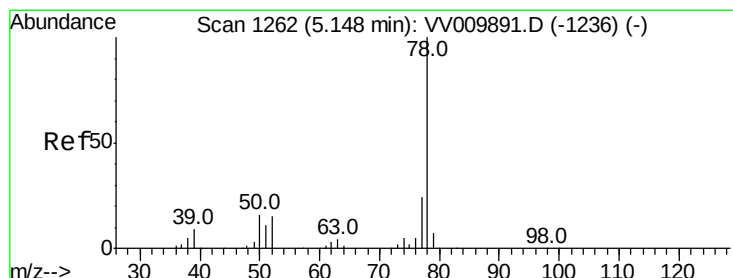
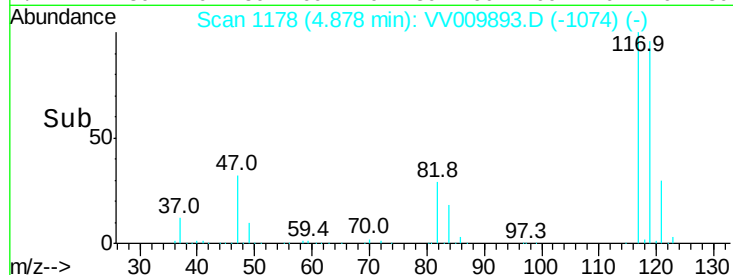
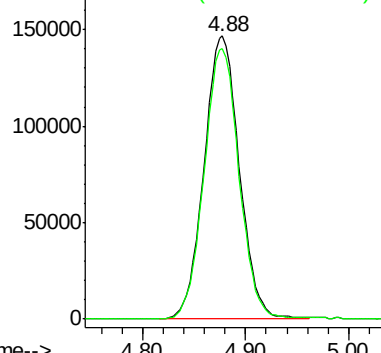
117 100

119 94.7 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 82.556 ug/L

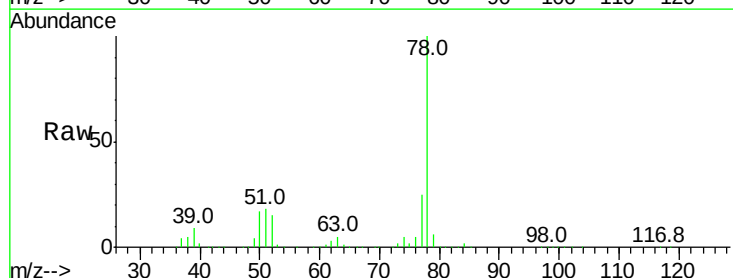
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

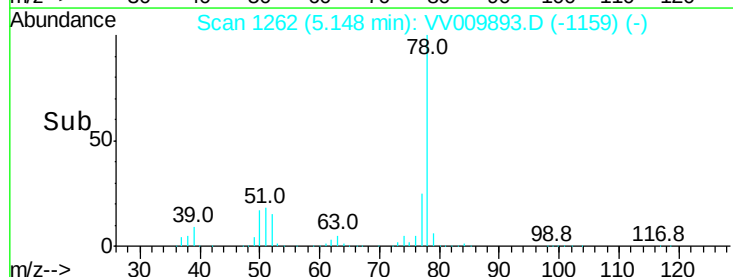
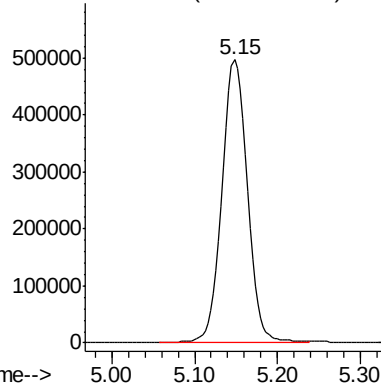
Lab File: VV009893.D

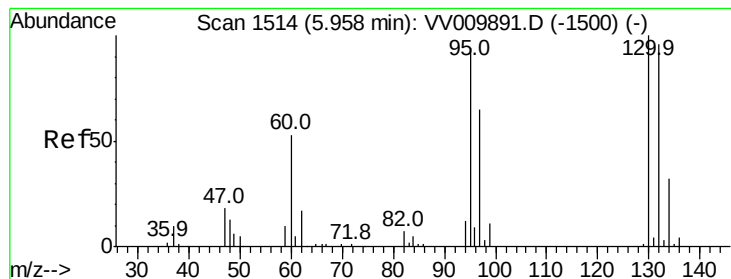
Acq: 26 Mar 2019 13:42

Tgt Ion: 78 Resp: 1066366



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 75.928 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

Tgt Ion: 95 Resp: 271483

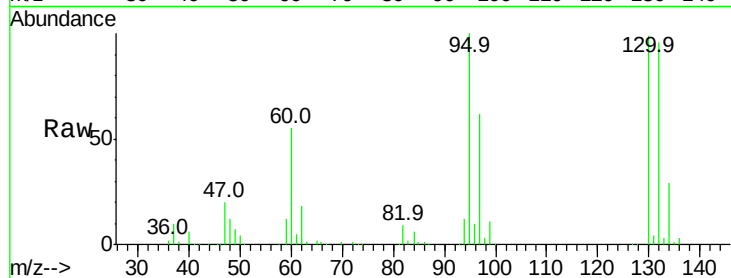
Ion Ratio Lower Upper

95 100

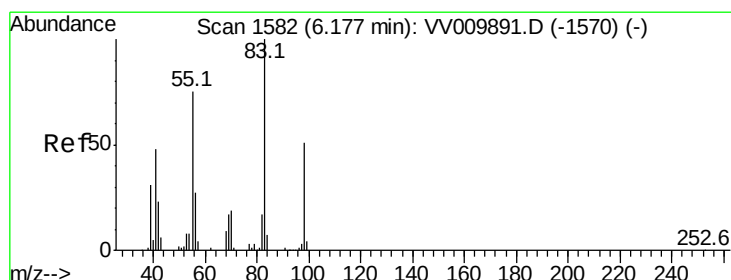
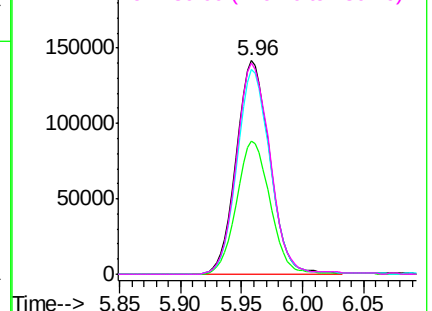
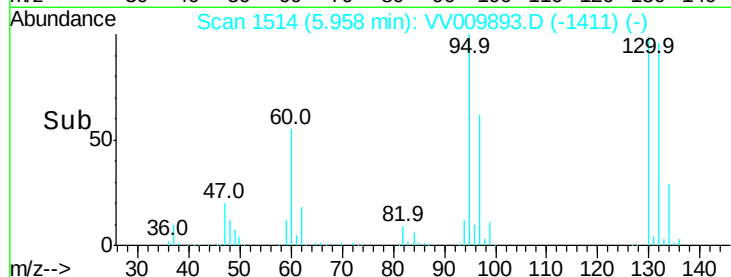
97 62.4 46.3 85.9

132 94.7 69.3 128.7

130 98.4 69.5 129.1



Abundance Ion 95.00 (94.70 to 95.70): VV009893.D (-1411) (-)



#36

Methylcyclohexane

Concen: 71.973 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

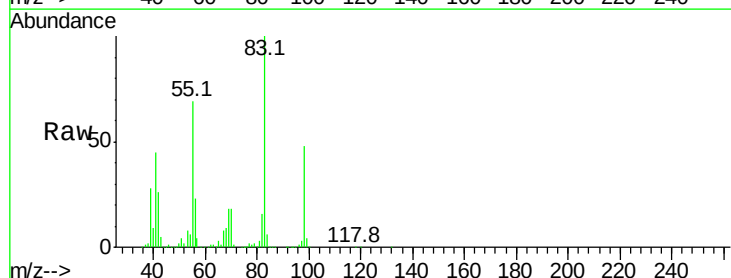
Tgt Ion: 83 Resp: 449324

Ion Ratio Lower Upper

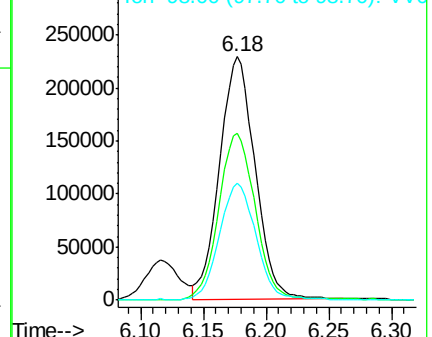
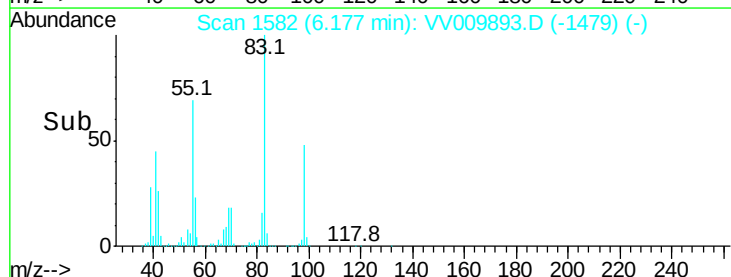
83 100

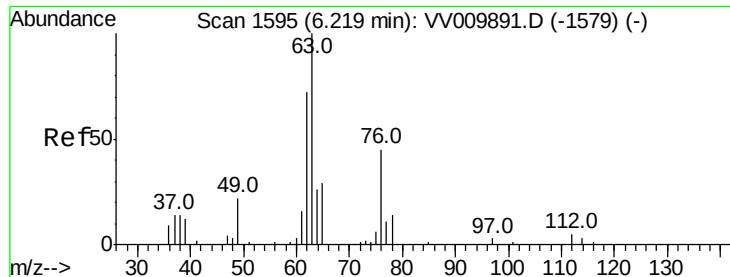
55 70.5 57.3 85.9

98 49.9 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV009893.D (-1479) (-)





#40

1,2-Dichloropropane

Concen: 82.923 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

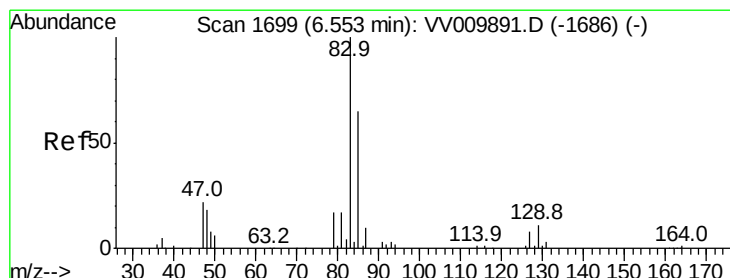
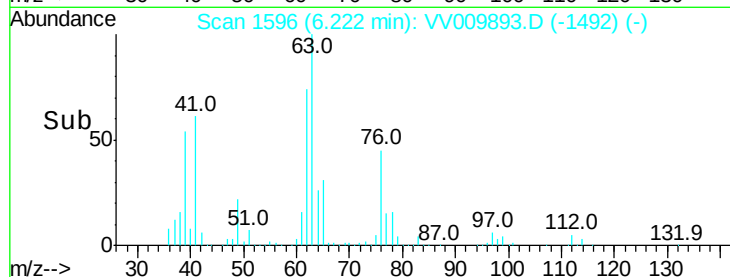
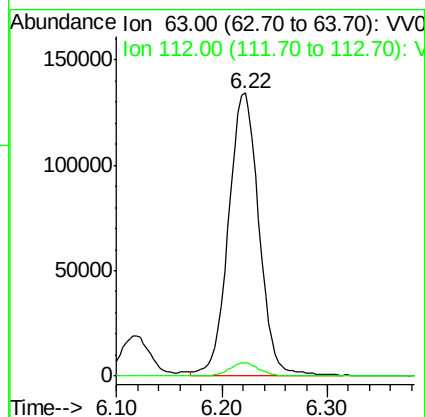
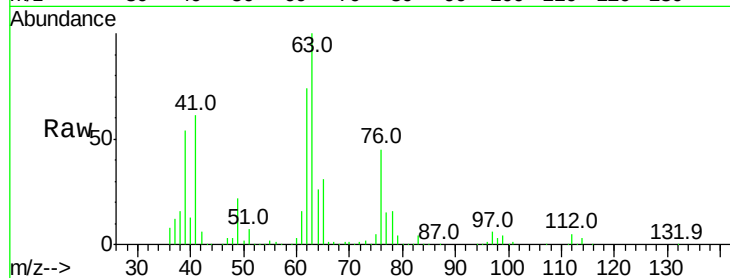
VSTD10064

Tgt Ion: 63 Resp: 266092

Ion Ratio Lower Upper

63 100

112 4.6 2.1 3.1#



#41

Bromodichloromethane

Concen: 81.808 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

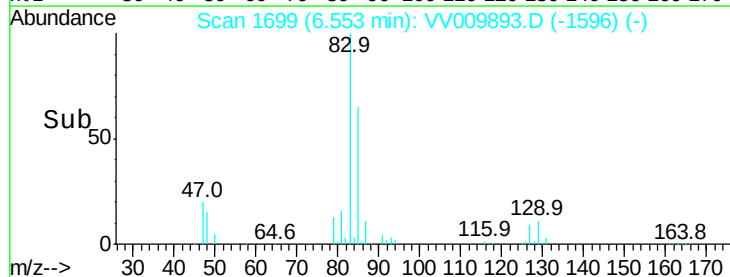
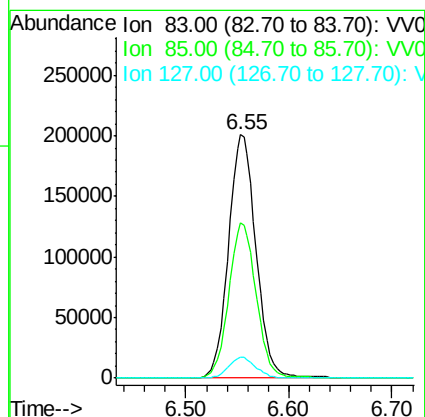
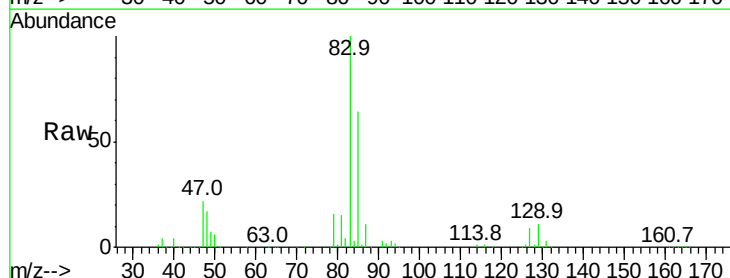
Tgt Ion: 83 Resp: 373317

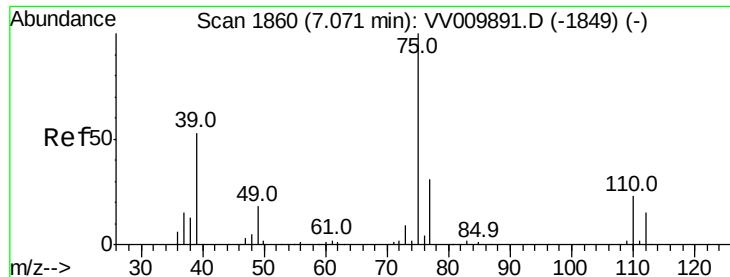
Ion Ratio Lower Upper

83 100

85 63.6 45.6 84.8

127 8.7 6.2 9.4



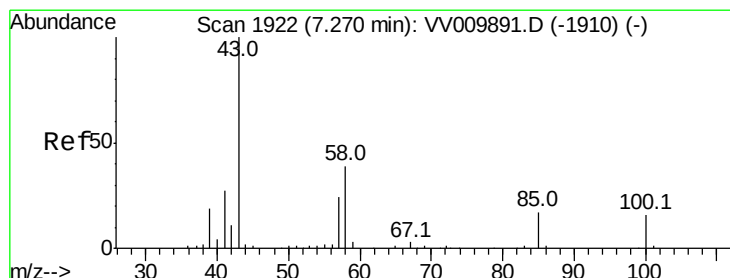
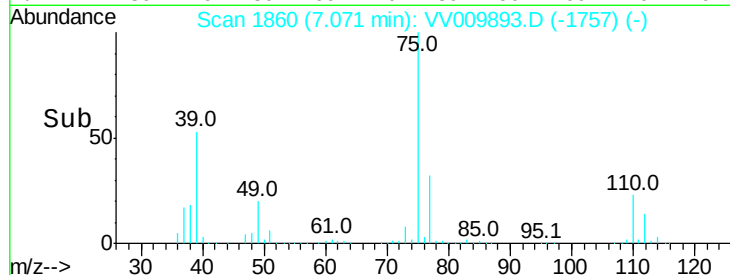
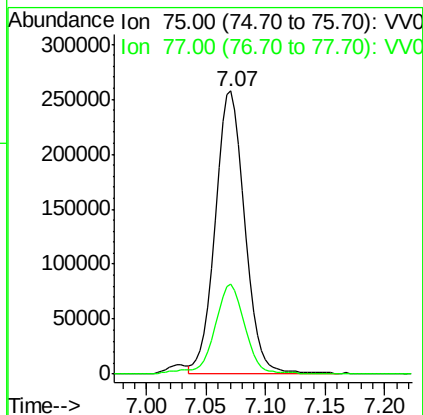
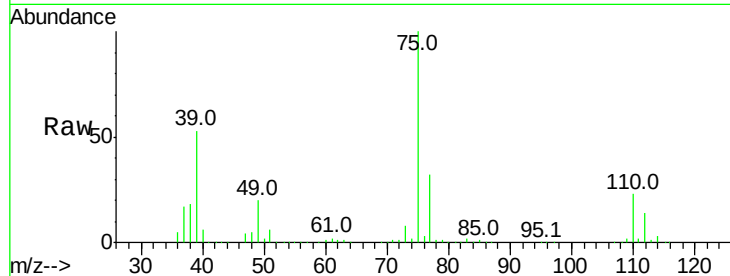


#42

cis-1,3-Dichloropropene
Concen: 86.843 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

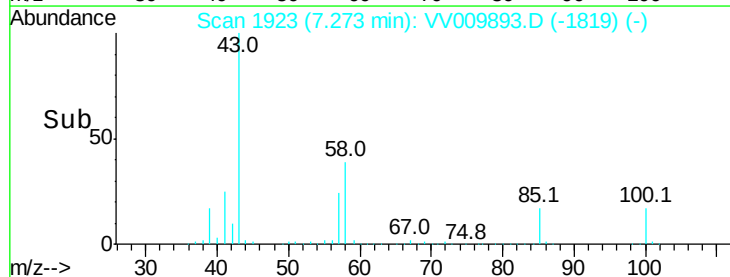
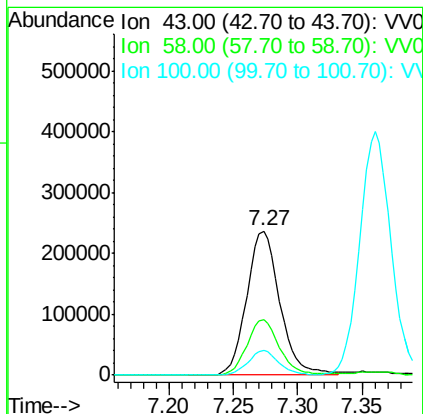
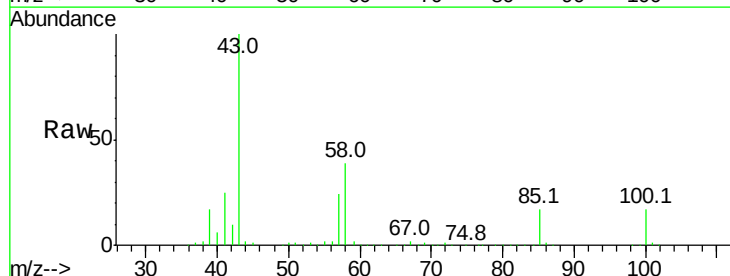
Tgt Ion: 75 Resp: 442785
Ion Ratio Lower Upper
75 100
77 31.7 21.8 40.6

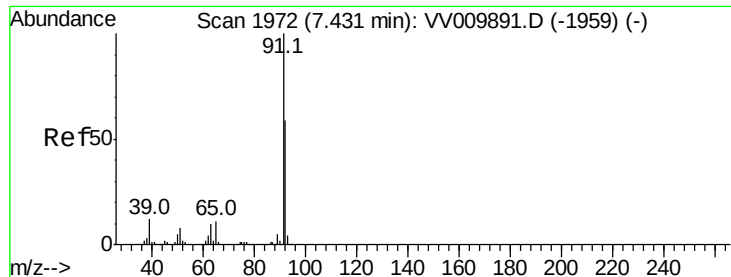


#43

4-Methyl-2-pentanone
Concen: 185.587 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Tgt Ion: 43 Resp: 425774
Ion Ratio Lower Upper
43 100
58 37.6 29.4 44.2
100 16.0 12.2 18.4





#44

Toluene

Concen: 92.776 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

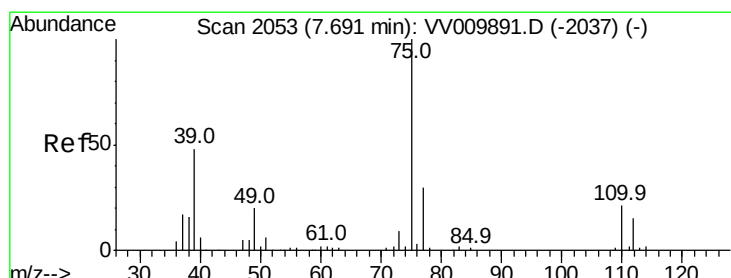
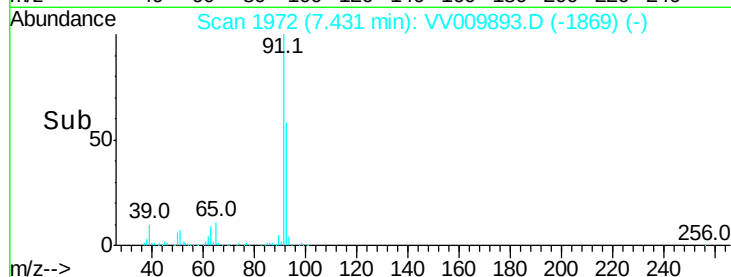
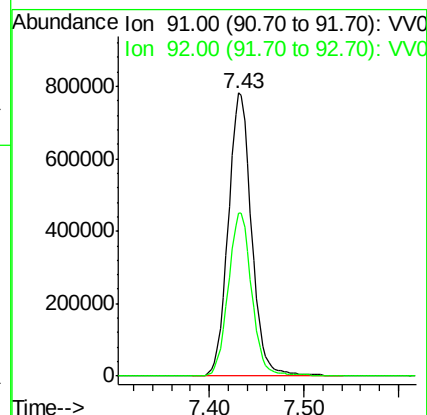
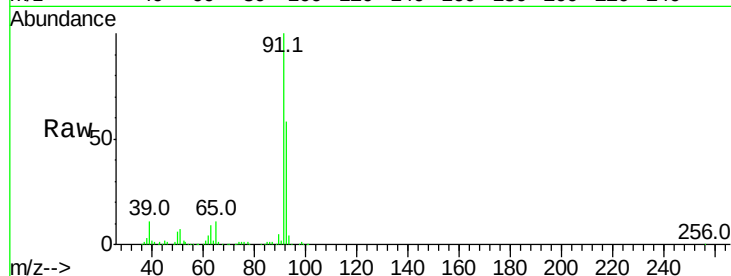
VSTD10064

Tgt Ion: 91 Resp: 1340313

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 88.124 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009893.D

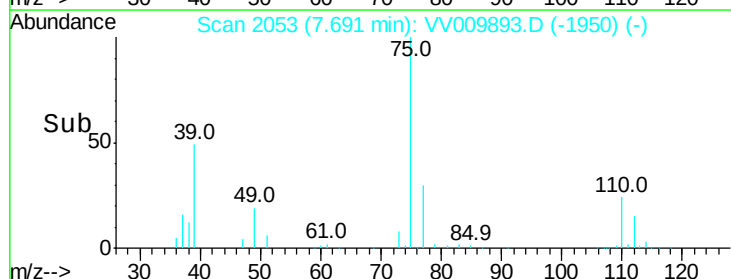
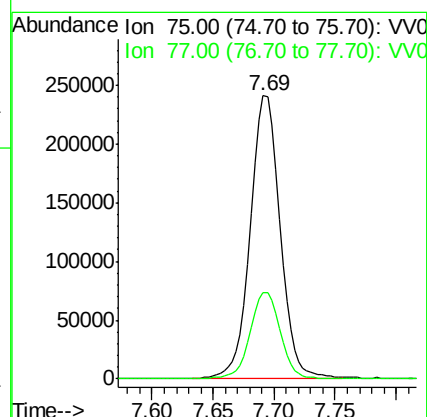
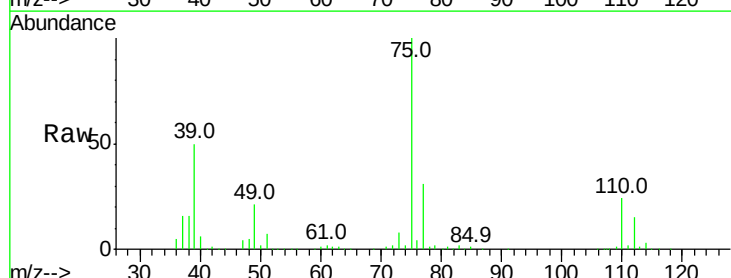
Acq: 26 Mar 2019 13:42

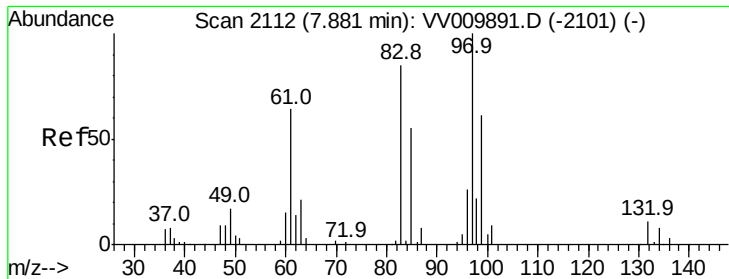
Tgt Ion: 75 Resp: 407349

Ion Ratio Lower Upper

75 100

77 30.7 20.7 38.5

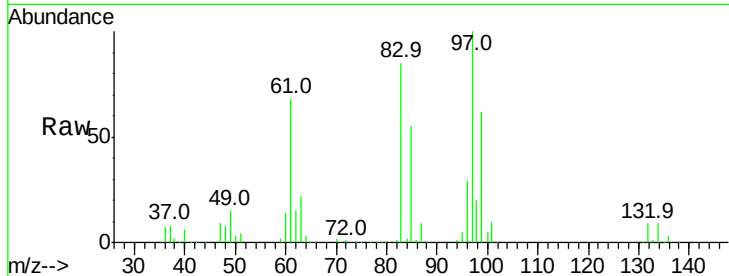




#46
 1,1,2-Trichloroethane
 Concen: 88.599 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion:	97	Resp:	234842
Ion	Ratio	Lower	Upper
97	100		
83	85.2	59.6	110.8
85	54.9	39.2	72.8
99	62.4	42.6	79.2



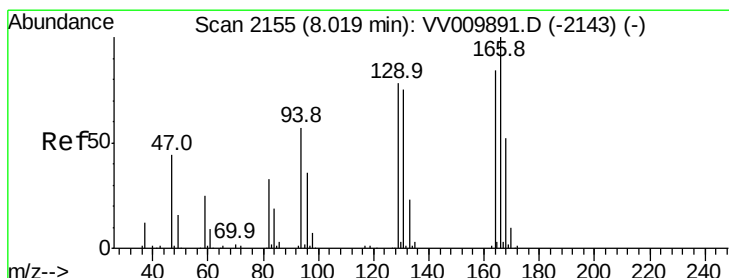
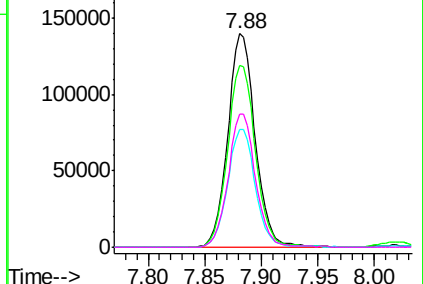
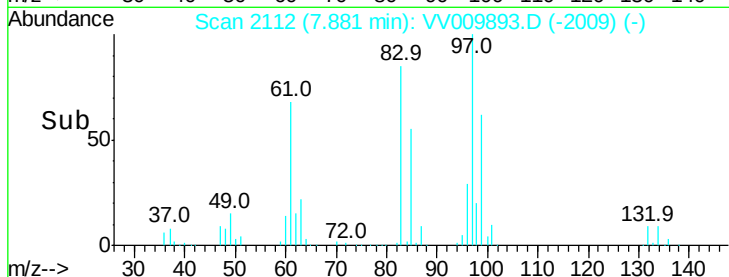
Abundance

Ion 97.00 (96.70 to 97.70): VV009893.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV009893.D (-2099) (-)

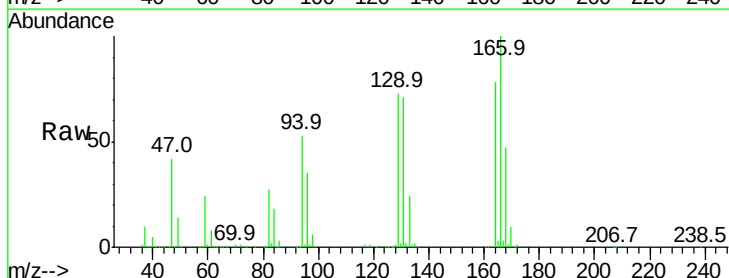
Ion 85.00 (84.70 to 85.70): VV009893.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV009893.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 83.472 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion:	164	Resp:	221064
Ion	Ratio	Lower	Upper
164	100		
129	94.3	64.9	120.5
131	91.5	62.0	115.2
166	128.7	82.9	153.9



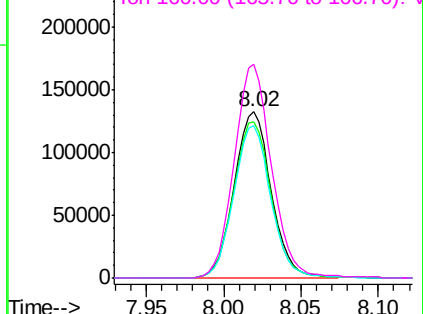
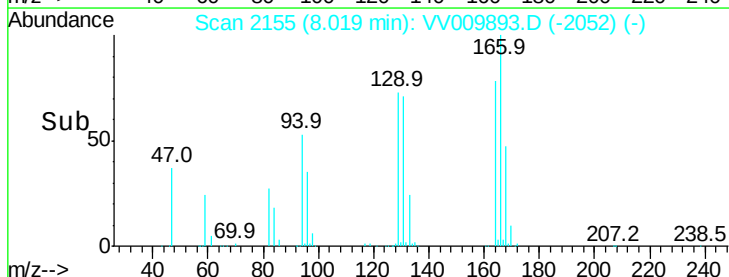
Abundance

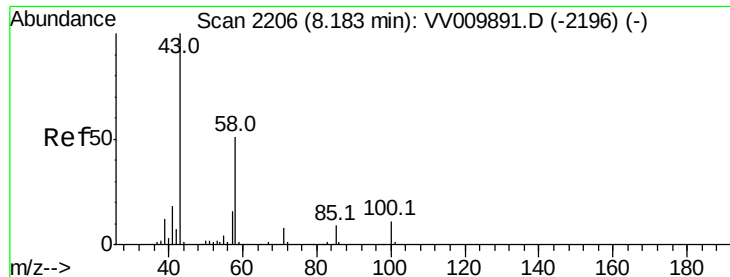
Ion 164.00 (163.70 to 164.70): VV009893.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV009893.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV009893.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV009893.D (-2052) (-)

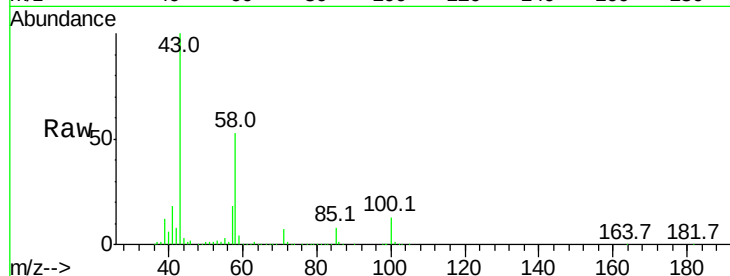




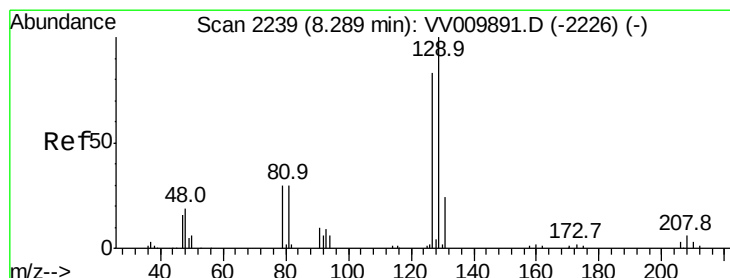
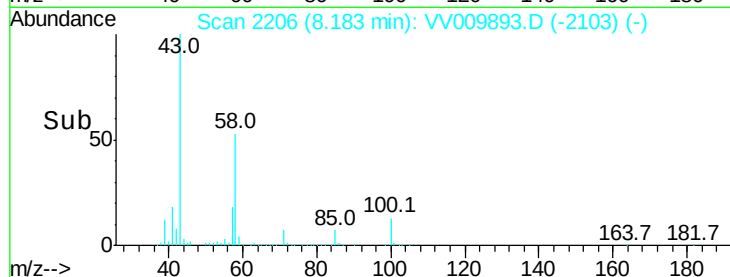
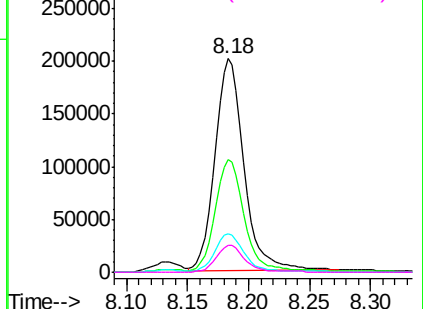
#49
2-Hexanone
Concen: 175.885 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 43 Resp: 336925
Ion Ratio Lower Upper
43 100
58 51.5 42.0 63.0
57 17.8 12.9 19.3
100 12.8 9.1 13.7

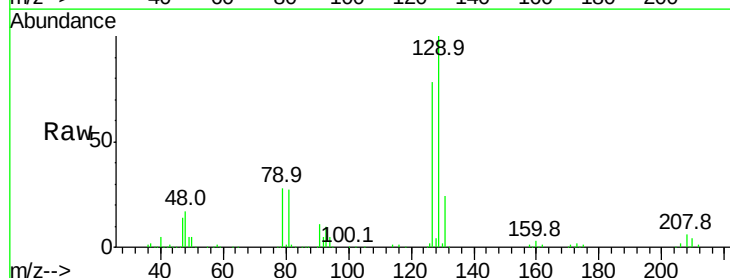


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

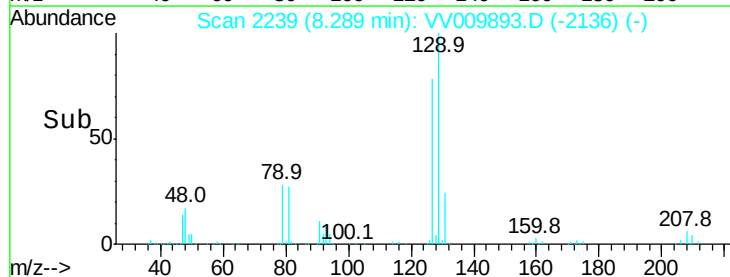
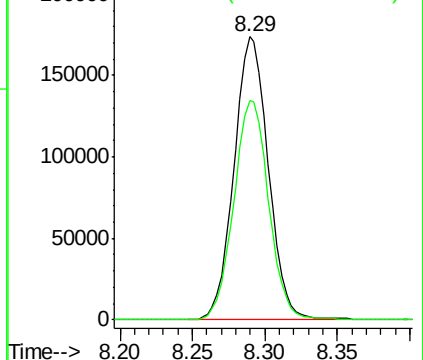


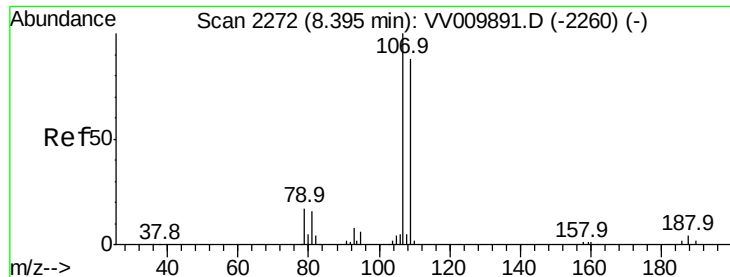
#50
Dibromochloromethane
Concen: 86.087 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009893.D
Acq: 26 Mar 2019 13:42

Tgt Ion: 129 Resp: 285419
Ion Ratio Lower Upper
129 100
127 77.6 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 89.638 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

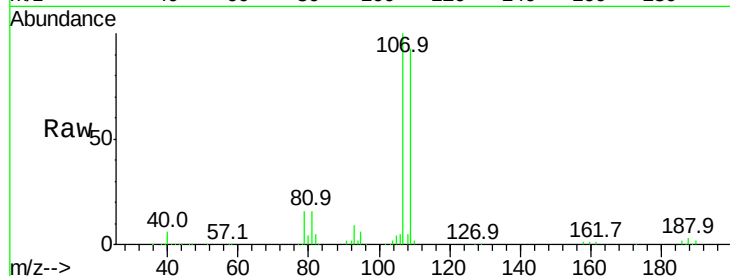
Instrument :

MSVOA_V

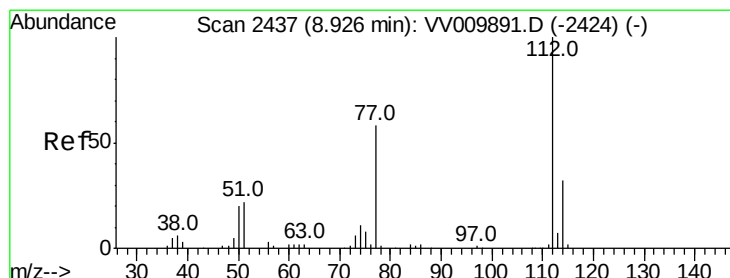
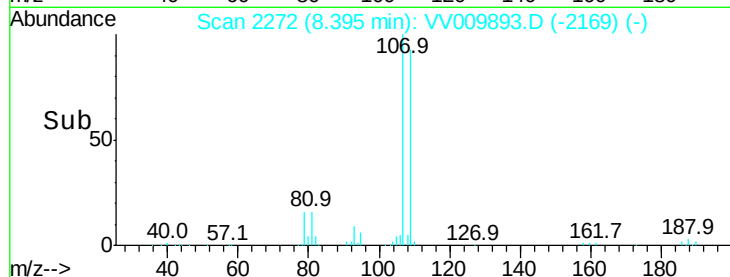
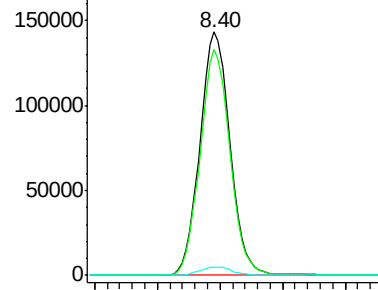
ClientSampleId :

VSTD10064

Tgt Ion:	107	Resp:	239188
Ion	Ratio	Lower	Upper
107	100		
109	92.9	61.8	114.8
188	3.4	3.5	5.3#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 92.419 ug/L

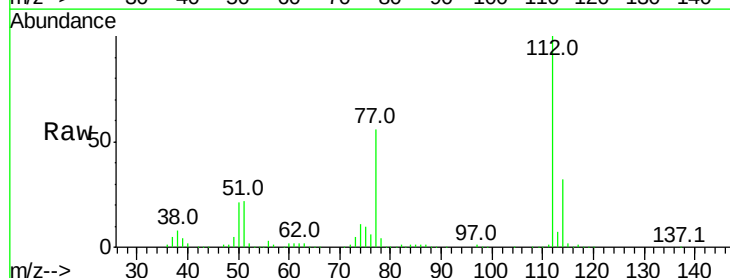
RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

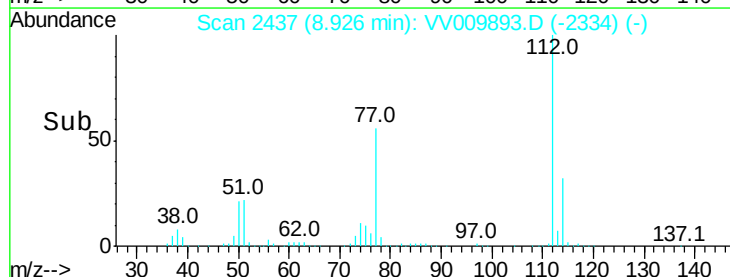
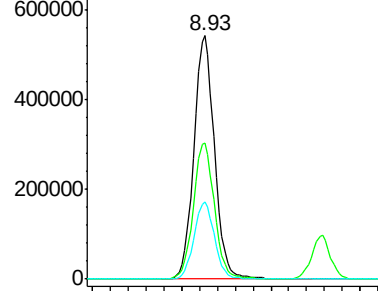
Lab File: VV009893.D

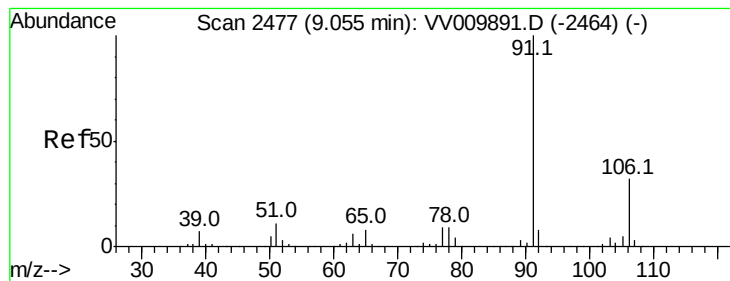
Acq: 26 Mar 2019 13:42

Tgt Ion:	112	Resp:	864808
Ion	Ratio	Lower	Upper
112	100		
77	55.8	46.8	70.2
114	31.8	22.3	41.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 96.901 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

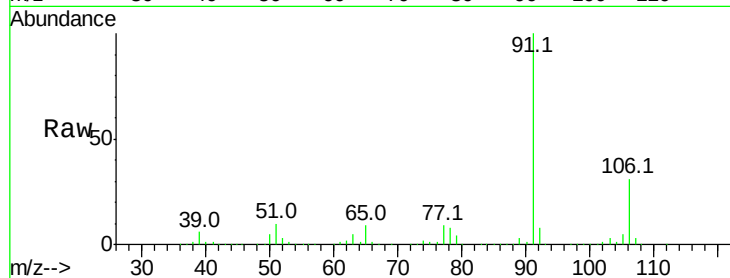
VSTD10064

Tgt Ion: 91 Resp: 1601126

Ion Ratio Lower Upper

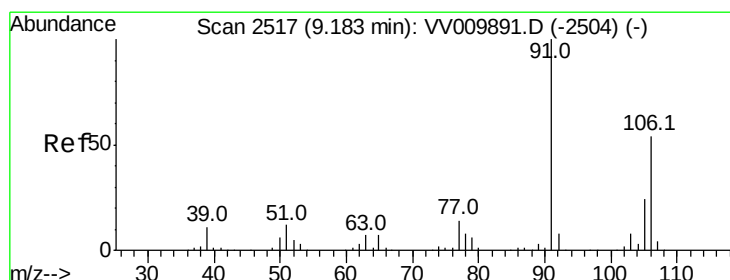
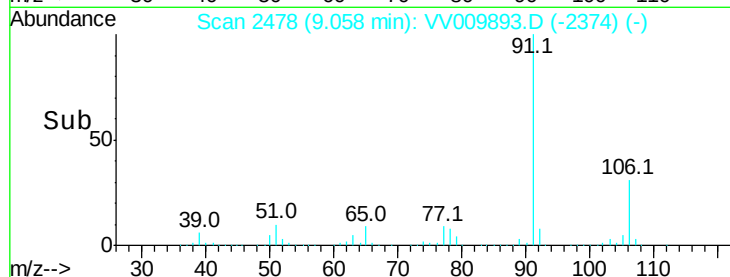
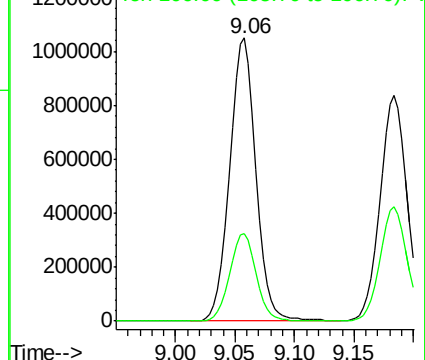
91 100

106 31.1 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VV009893.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009893.D (-2464) (-)



#54

m,p-Xylene

Concen: 104.903 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009893.D

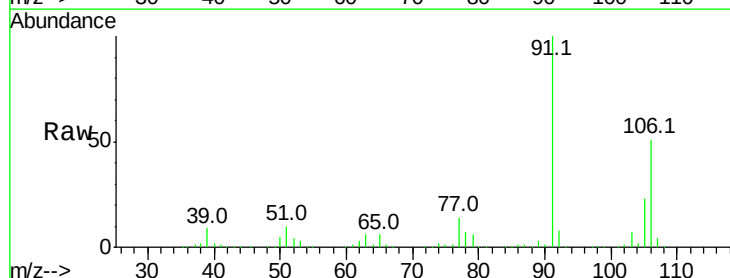
Acq: 26 Mar 2019 13:42

Tgt Ion: 106 Resp: 675207

Ion Ratio Lower Upper

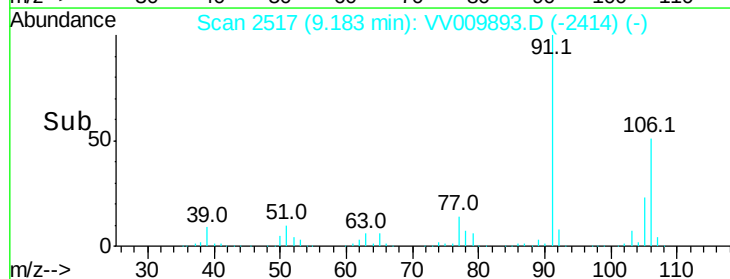
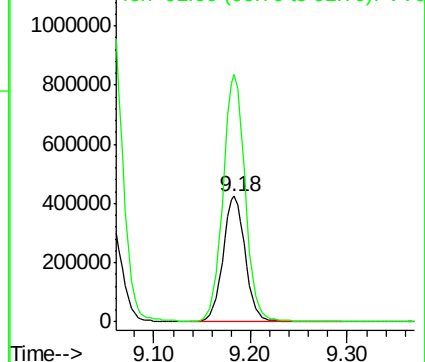
106 100

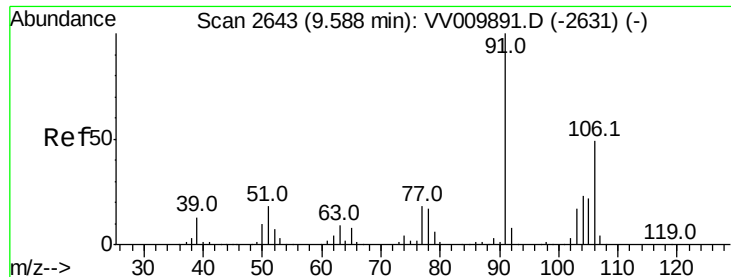
91 197.4 130.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): VV009893.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009893.D (-2504) (-)





#55

o-xylene

Concen: 111.597 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

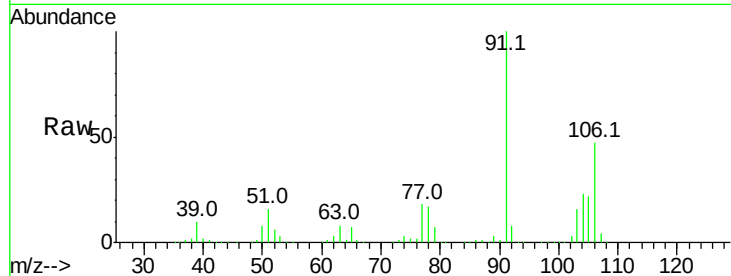
VSTD10064

Tgt Ion:106 Resp: 681023

Ion Ratio Lower Upper

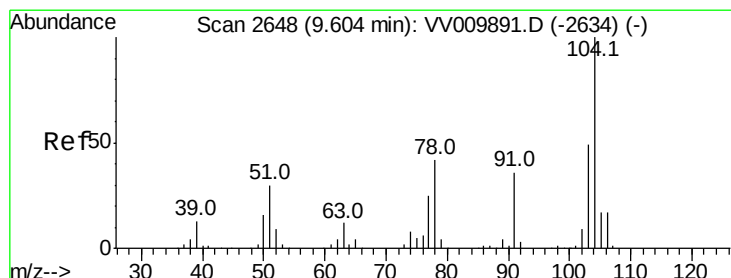
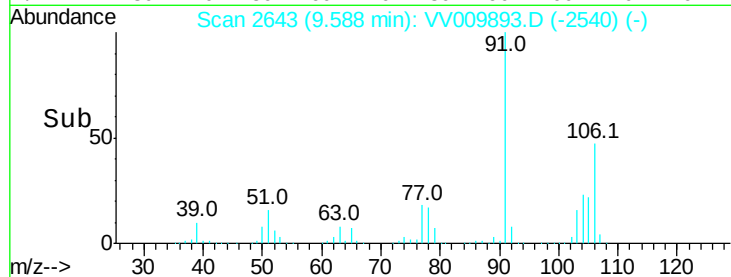
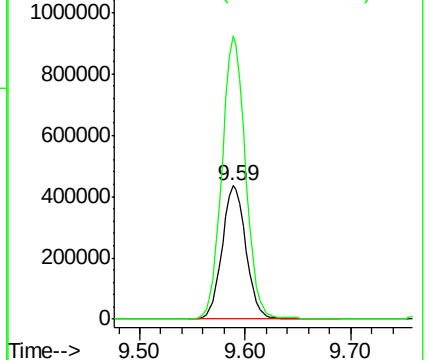
106 100

91 212.4 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 125.797 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009893.D

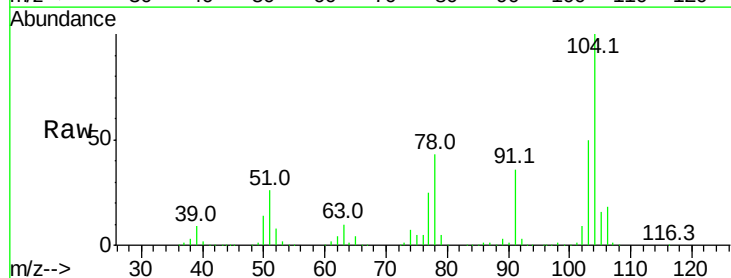
Acq: 26 Mar 2019 13:42

Tgt Ion:104 Resp: 1287654

Ion Ratio Lower Upper

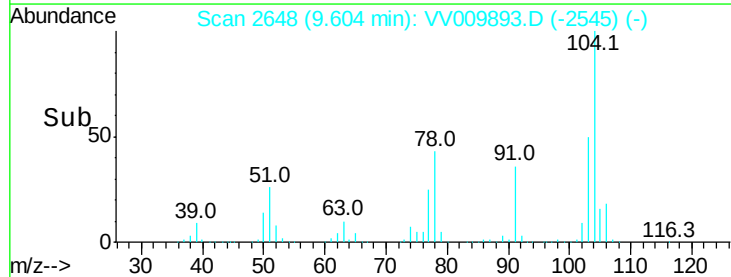
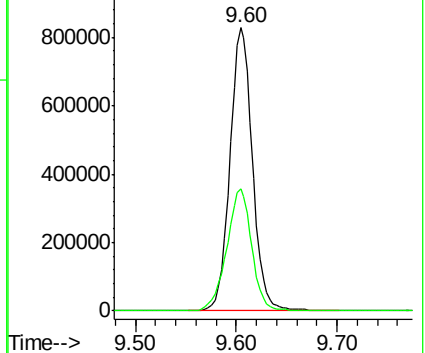
104 100

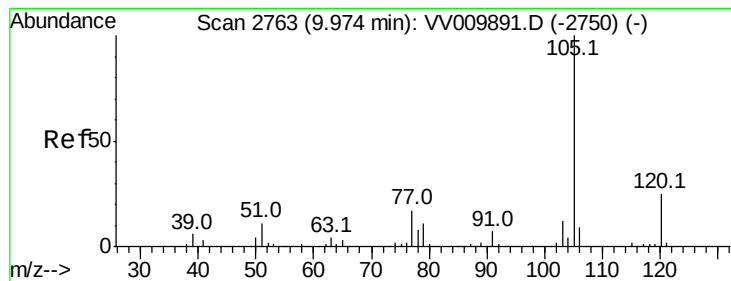
78 42.9 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 108.701 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

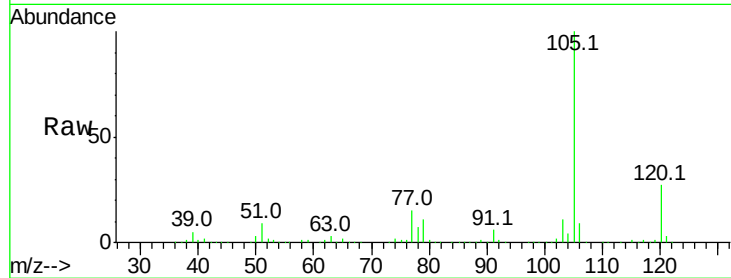
Tgt Ion:105 Resp: 1812317

Ion Ratio Lower Upper

105 100

120 26.7 20.8 31.2

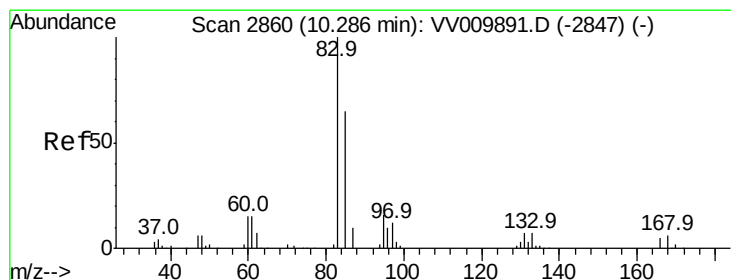
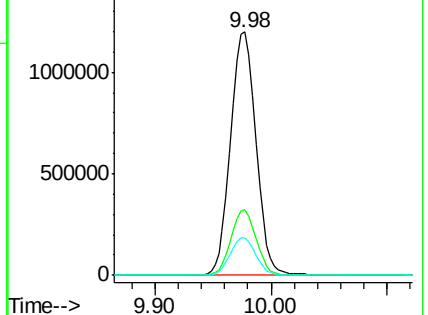
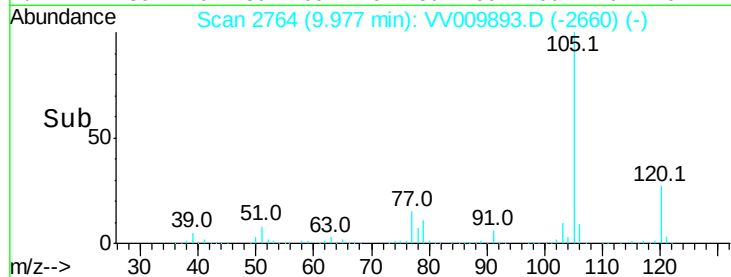
77 15.6 13.0 19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 97.546 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

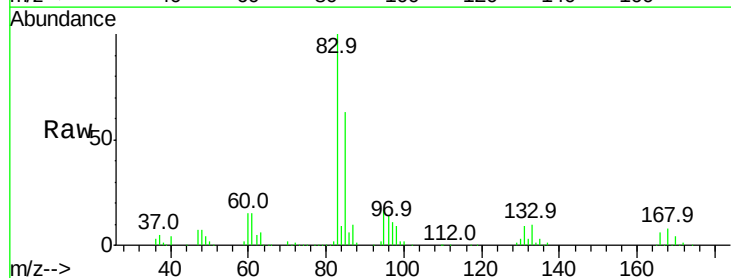
Tgt Ion: 83 Resp: 351592

Ion Ratio Lower Upper

83 100

85 63.2 45.8 85.0

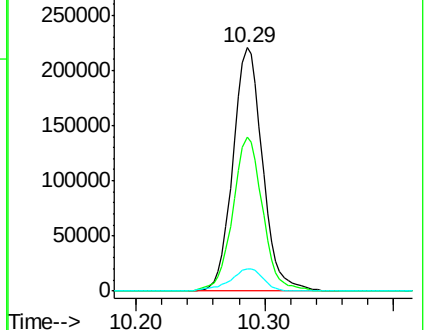
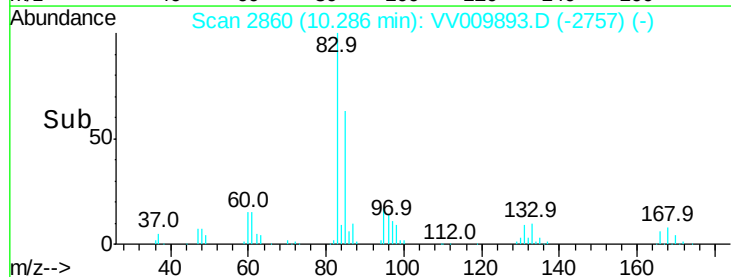
131 9.3 6.2 9.4

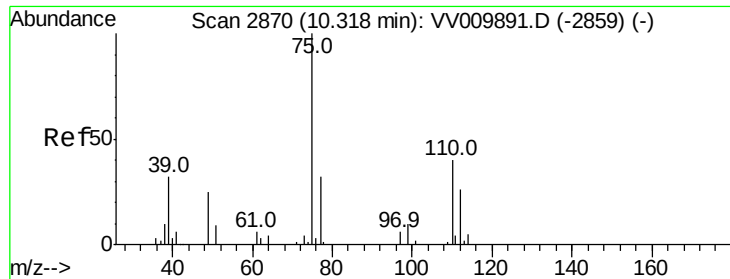


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

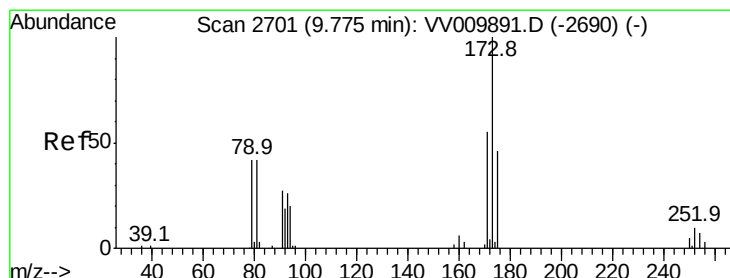
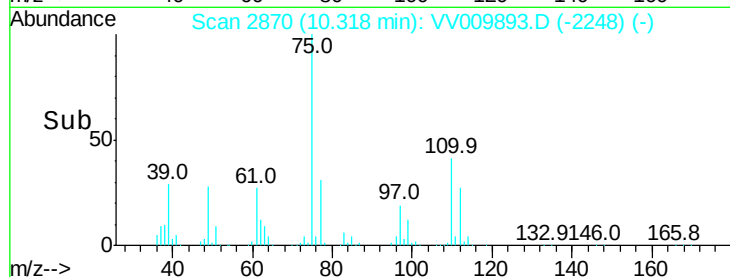
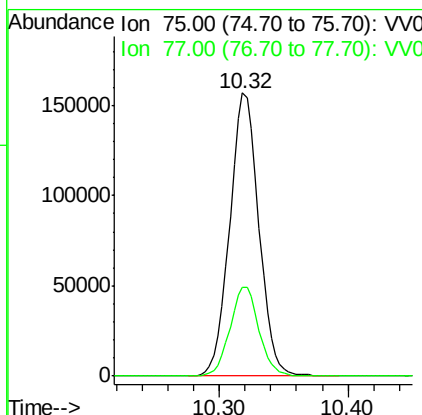
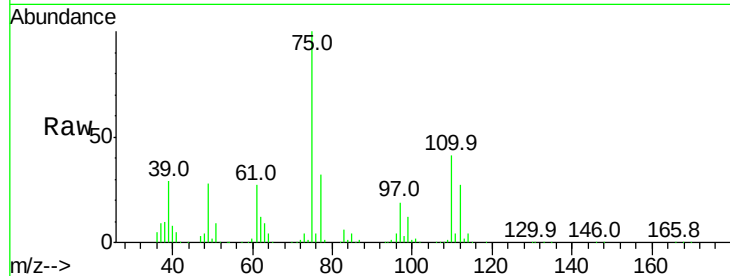




#59
 1,2,3-Trichloropropane
 Concen: 95.822 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

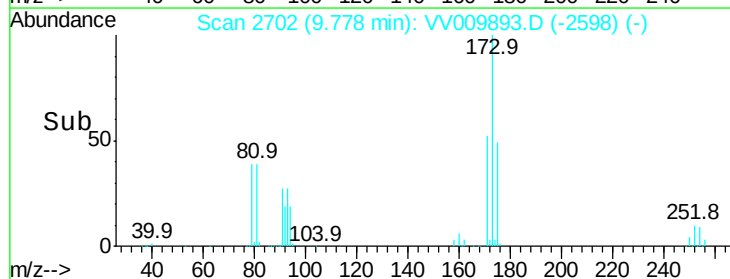
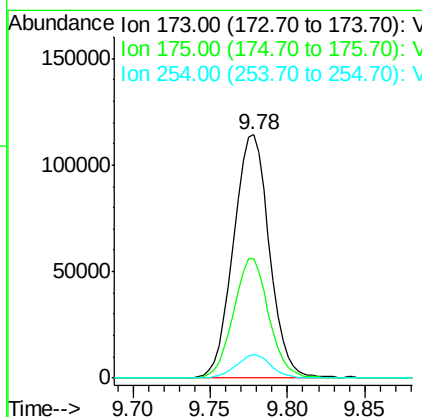
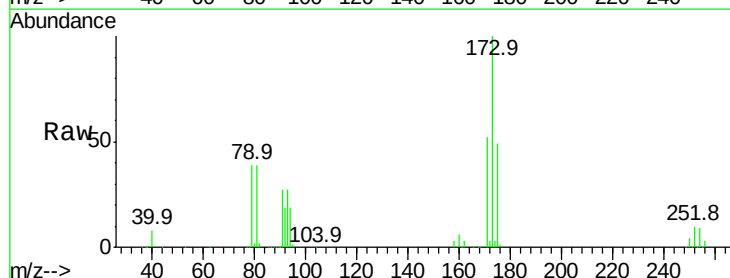
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

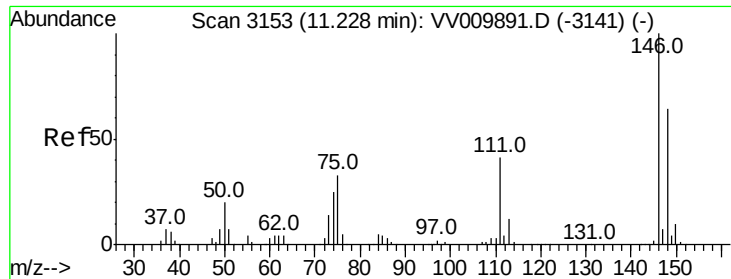
Tgt Ion: 75 Resp: 245989
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2



#62
 Bromoform
 Concen: 84.283 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion: 173 Resp: 184221
 Ion Ratio Lower Upper
 173 100
 175 48.4 37.8 56.8
 254 9.3 6.6 9.8

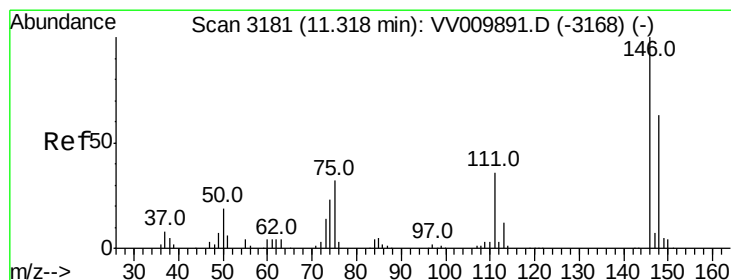
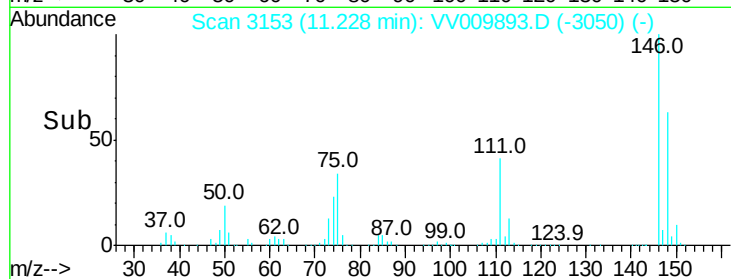
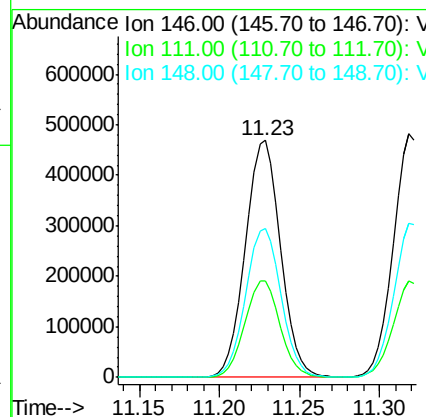
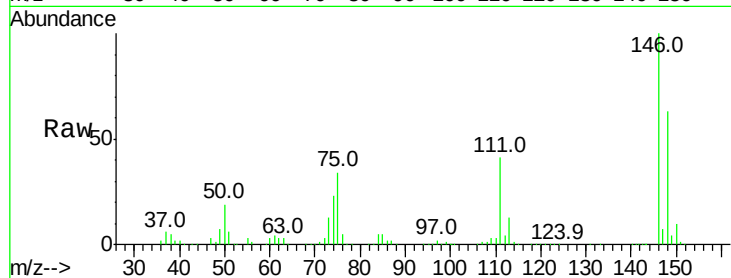




#63
 1,3-Dichlorobenzene
 Concen: 89.881 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

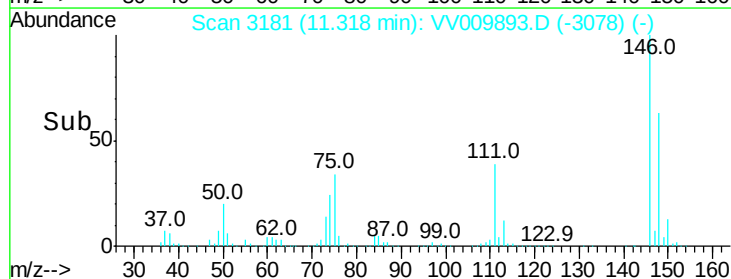
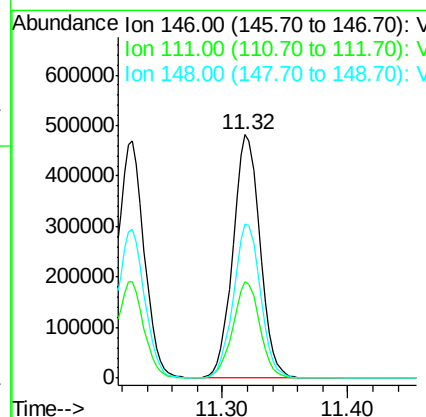
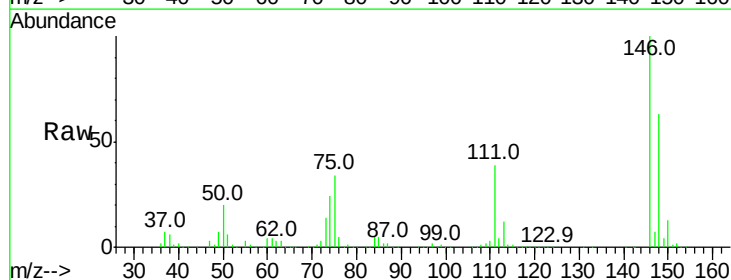
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

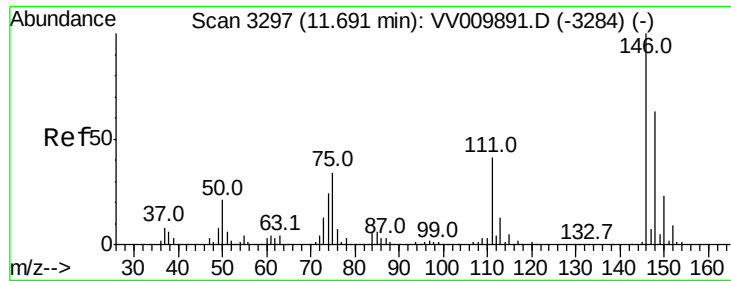
Tgt Ion:146 Resp: 702486
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.5 52.9
 148 63.1 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 92.448 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion:146 Resp: 721208
 Ion Ratio Lower Upper
 146 100
 111 39.5 25.4 47.2
 148 63.4 44.1 81.9

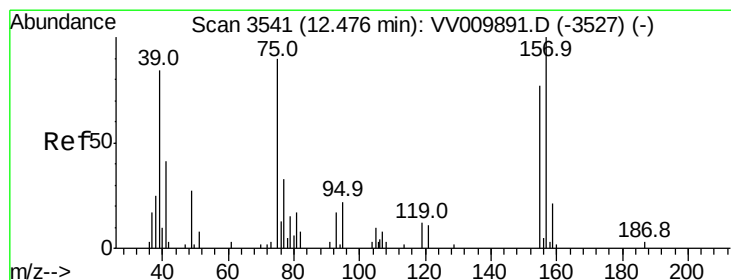
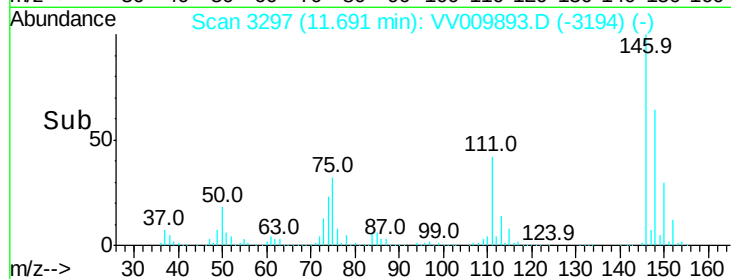
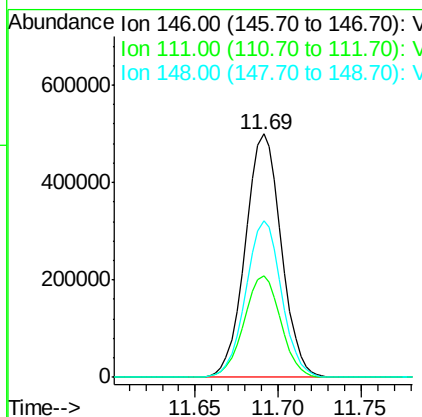
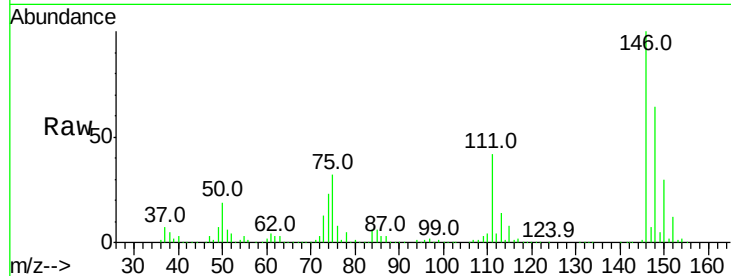




#65
 1,2-Dichlorobenzene
 Concen: 102.586 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

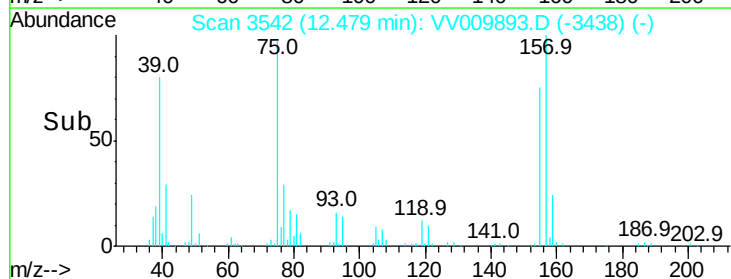
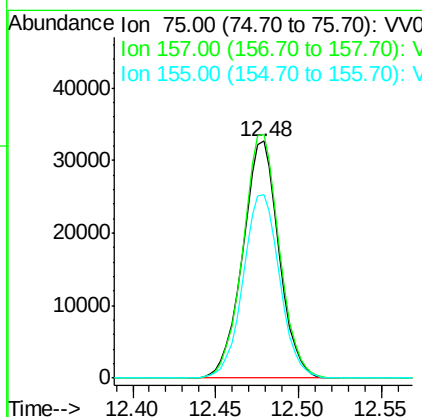
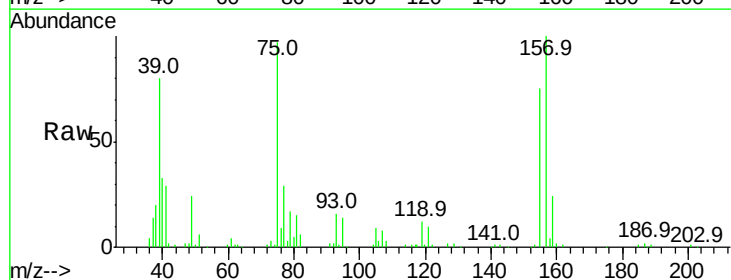
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

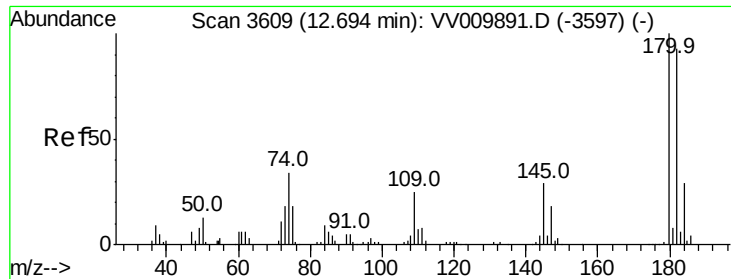
Tgt Ion:146 Resp: 753323
 Ion Ratio Lower Upper
 146 100
 111 41.6 32.7 49.1
 148 64.4 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 68.364 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion: 75 Resp: 49568
 Ion Ratio Lower Upper
 75 100
 157 102.7 89.2 133.8
 155 77.3 68.6 102.8

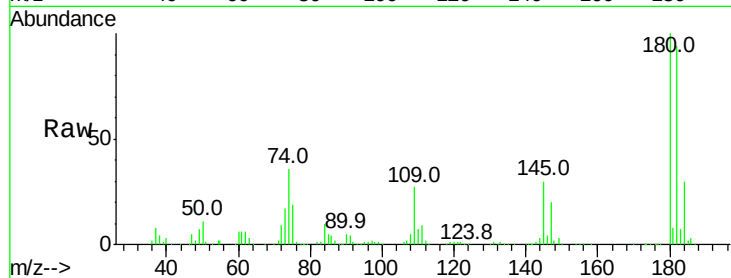




#67
 1,3,5-Trichlorobenzene
 Concen: 93.006 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	78.4	117.6
184	30.2	24.3	36.5
145	30.3	24.9	37.3



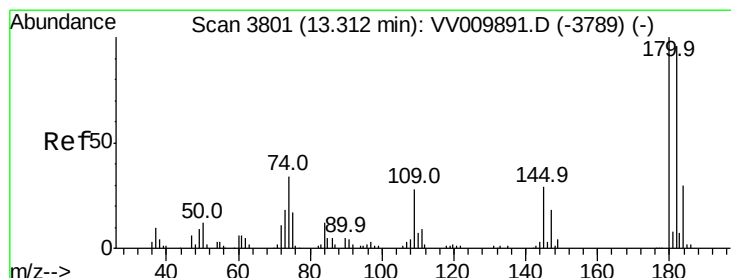
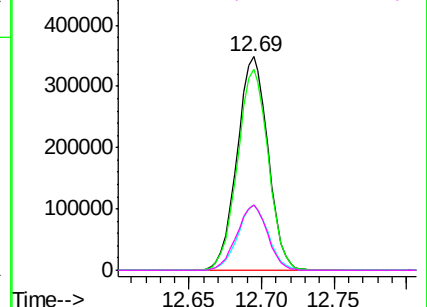
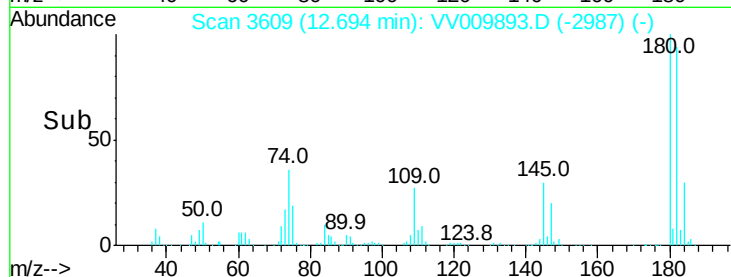
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

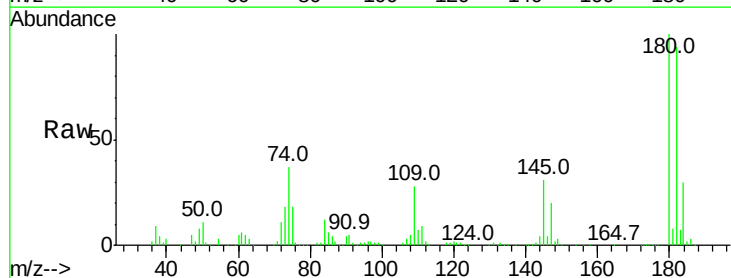
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 97.522 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009893.D
 Acq: 26 Mar 2019 13:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.5	113.3
145	30.9	23.2	34.8

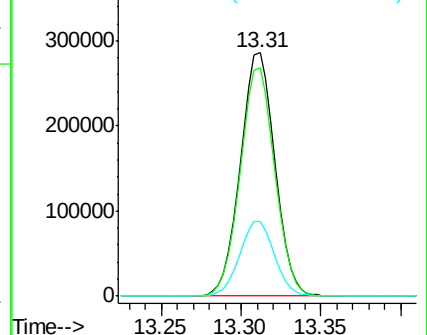
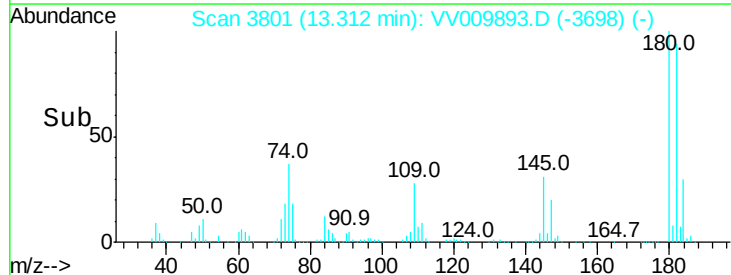


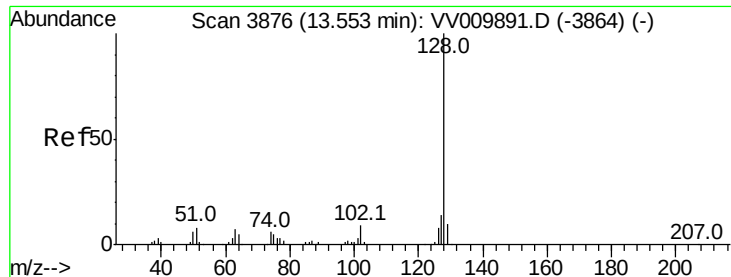
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 95.017 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

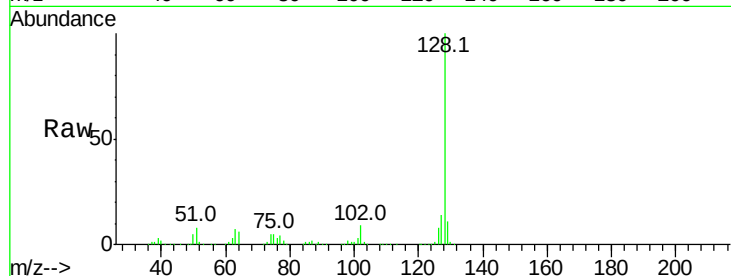
Tgt Ion:128 Resp: 824247

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

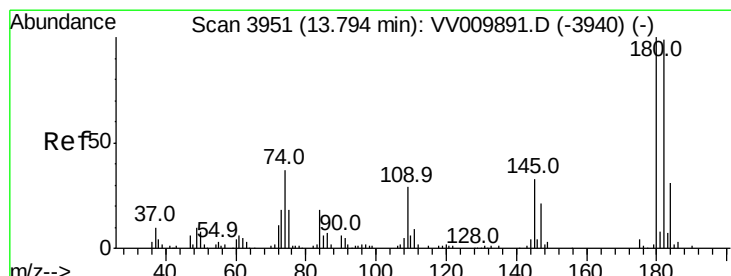
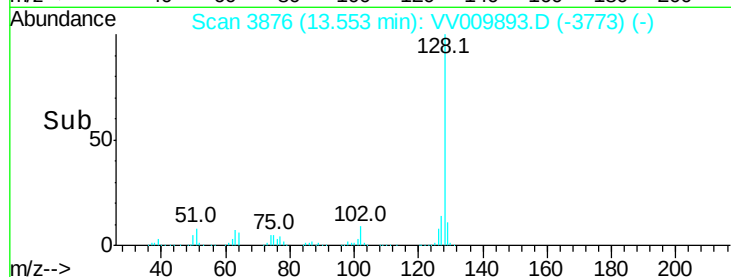
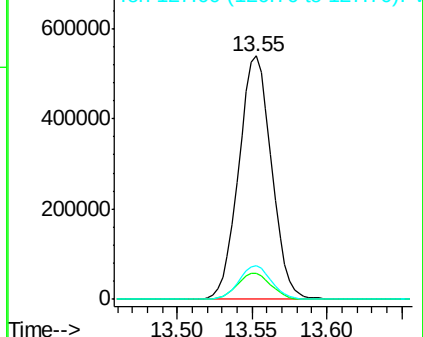
127 13.7 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 98.471 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009893.D

Acq: 26 Mar 2019 13:42

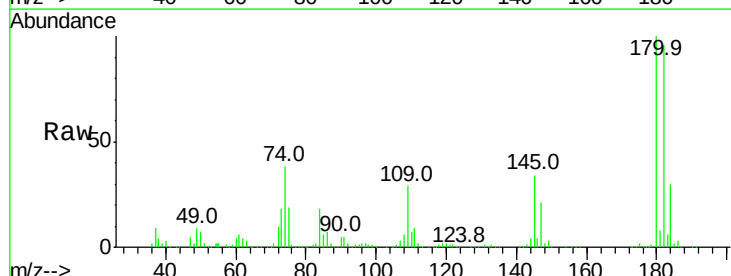
Tgt Ion:180 Resp: 391058

Ion Ratio Lower Upper

180 100

182 95.6 77.1 115.7

145 33.3 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

