

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026568.D
 Acq On : 11 Apr 2019 10:18
 Operator : SY/MD
 Sample : VSTD0.583
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

Quant Time: Apr 12 01:26:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 12 01:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	573237	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	469333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	160839	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	23008	0.53	ug/L	0.00
7) Chloroethane-d5	2.63	69	19403	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	65174	0.56	ug/L	0.00
20) 2-Butanone-d5	6.59	46	15801	4.00	ug/L	0.00
24) Chloroform-d	7.20	84	46298	0.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	19794	0.56	ug/L	0.00
32) Benzene-d6	7.85	84	70925	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	21686	0.55	ug/L	0.00
41) Toluene-d8	9.96	98	57064	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5612	0.55	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	8542	2.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9069	0.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	13283	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	32378	0.542	ug/L 99
3) Chloromethane	2.01	50	32090	0.509	ug/L 93
5) Vinyl chloride	2.16	62	33764	0.542	ug/L 98
6) Bromomethane	2.52	94	20478	0.558	ug/L 78
8) Chloroethane	2.66	64	19263	0.536	ug/L 96
9) Trichlorofluoromethane	2.93	101	15245	0.174	ug/L # 77
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	25959	0.543	ug/L 97
12) 1,1-Dichloroethene	3.63	96	30344	0.582	ug/L 66
13) Acetone	3.70	43	24264	6.077	ug/L 93
14) Carbon disulfide	3.93	76	67097	0.449	ug/L # 94
15) Methyl Acetate	4.19	43	6109	0.558	ug/L # 94
16) Methylene chloride	4.40	84	30058	0.644	ug/L 94
17) Methyl tert-butyl Ether	4.89	73	24561	0.430	ug/L # 82
18) trans-1,2-Dichloroethene	4.89	96	23539	0.485	ug/L 91
19) 1,1-Dichloroethane	5.68	63	42675	0.475	ug/L 91
21) 2-Butanone	6.69	43	19858	3.841	ug/L 95
22) cis-1,2-Dichloroethene	6.67	96	16366	0.402	ug/L # 99
23) Bromochloromethane	7.05	128	6382	0.499	ug/L # 85
25) Chloroform	7.23	83	43724	0.505	ug/L 99
27) 1,2-Dichloroethane	7.99	62	21169	0.489	ug/L # 83
29) 1,1,1-Trichloroethane	7.43	97	34645	0.454	ug/L 99
30) Cyclohexane	7.52	56	21206	0.299	ug/L # 90
31) Carbon tetrachloride	7.63	117	36419	0.498	ug/L 98
33) Benzene	7.90	78	79912	0.435	ug/L 100
34) Trichloroethene	8.71	95	23561	0.480	ug/L # 85
35) Methylcyclohexane	8.95	83	23451	0.336	ug/L 87
37) 1,2-Dichloropropane	8.99	63	18712	0.465	ug/L # 93
38) Bromodichloromethane	9.28	83	20886	0.446	ug/L 98
39) cis-1,3-Dichloropropene	9.72	75	14614	0.336	ug/L 98
40) 4-Methyl-2-pentanone	9.87	43	37162	3.099	ug/L 97

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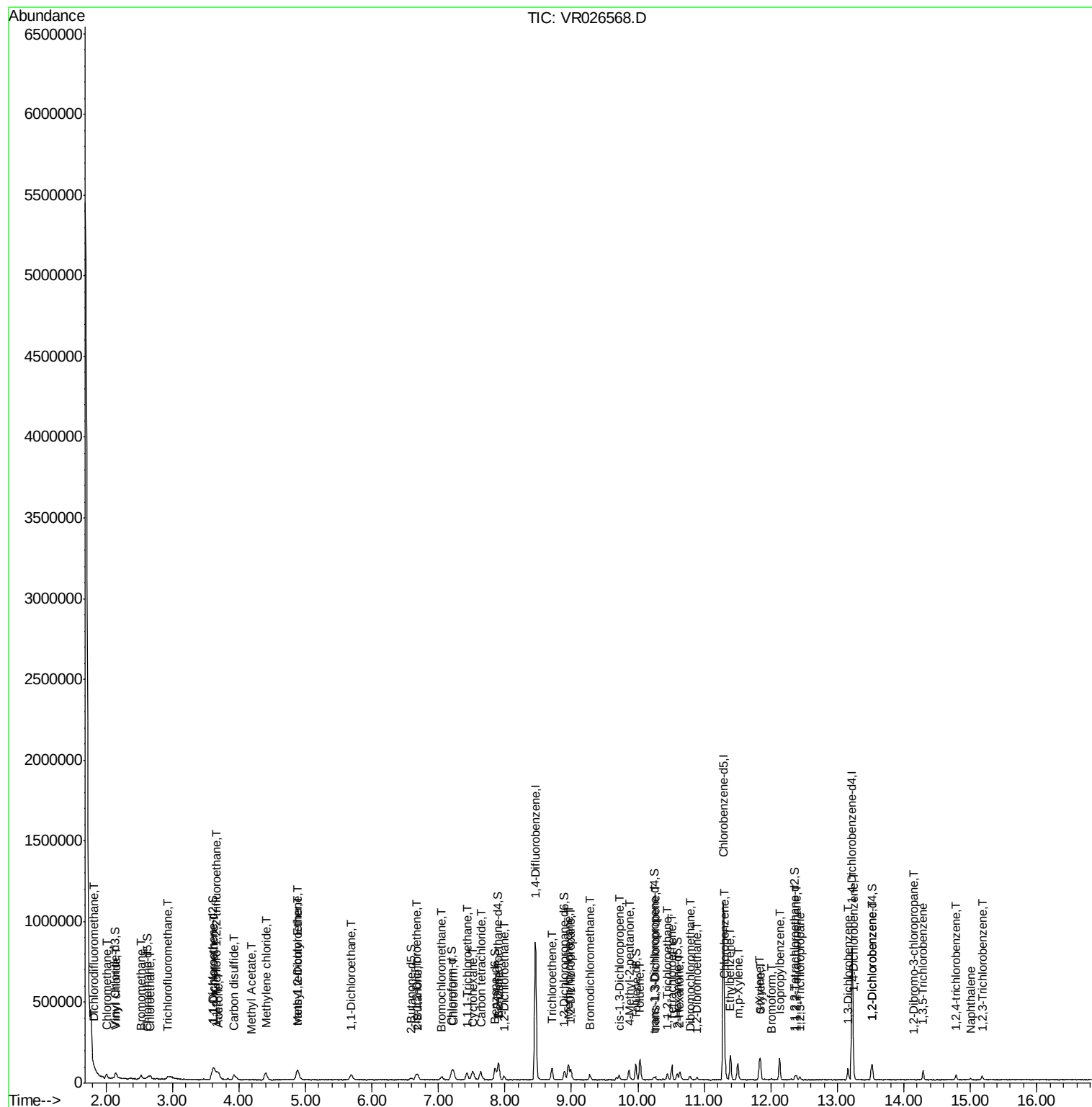
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	76719	0.406	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	10722	0.341	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	8852	0.534	ug/L	85
47) Tetrachloroethene	10.51	164	16924	0.479	ug/L	88
48) 2-Hexanone	10.63	43	28846	3.589	ug/L #	89
49) Dibromochloromethane	10.78	129	9527	0.443	ug/L	89
50) 1,2-Dibromoethane	10.89	107	6797	0.477	ug/L #	82
51) Chlorobenzene	11.31	112	54173	0.506	ug/L	96
52) Ethylbenzene	11.39	91	85848	0.395	ug/L	96
53) m,p-Xylene	11.50	106	28882	0.371	ug/L	82
54) o-Xylene	11.83	106	21626	0.315	ug/L	91
55) Styrene	11.84	104	36883	0.340	ug/L	91
56) Isopropylbenzene	12.13	105	61050	0.315	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	8200	0.510	ug/L #	87
59) 1,2,3-Trichloropropane	12.43	75	6305	0.519	ug/L	94
61) Bromoform	12.00	173	3668	0.516	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	22975	0.450	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	34252	0.589	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	20459	0.475	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	1070	0.660	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	15220	0.453	ug/L	96
68) 1,2,4-trichlorobenzene	14.79	180	8190	0.442	ug/L	91
69) Naphthalene	15.01	128	5357	0.311	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	5043	0.385	ug/L #	85

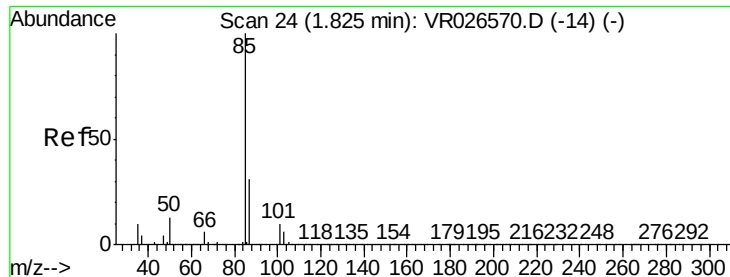
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.542 ug/L

RT: 1.83 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

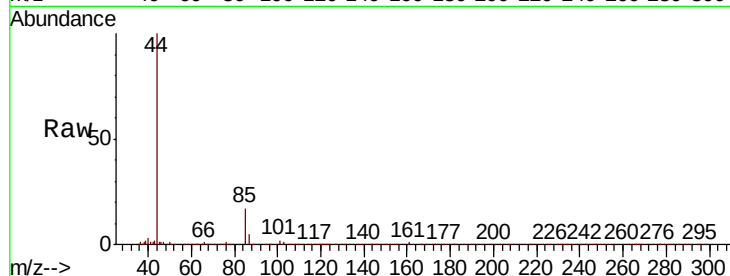
VSTD0.583

Tot Ion: 85 Resp: 32378

Ion Ratio Lower Upper

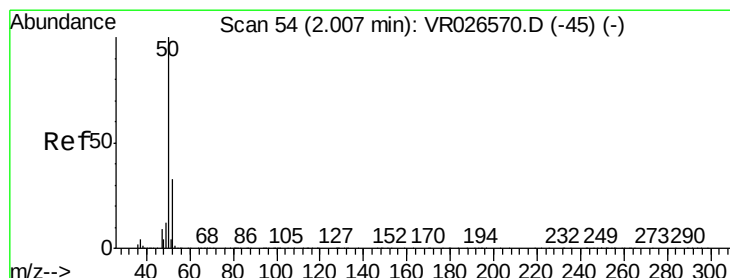
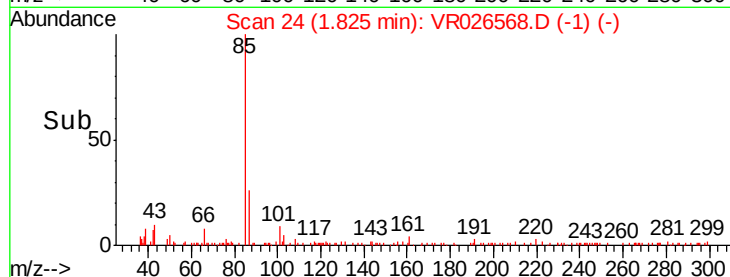
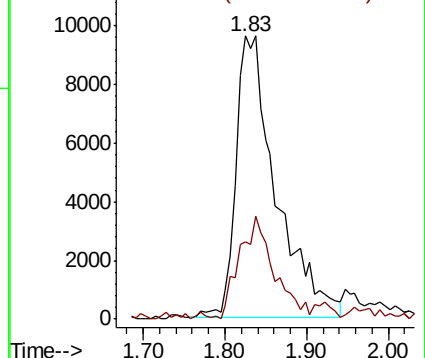
85 100

87 32.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 0.509 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026568.D

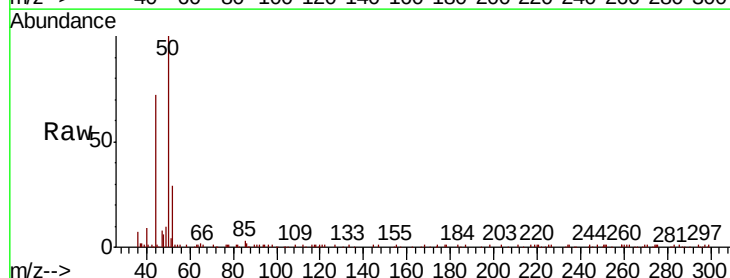
Acq: 11 Apr 2019 10:18

Tgt Ion: 50 Resp: 32090

Ion Ratio Lower Upper

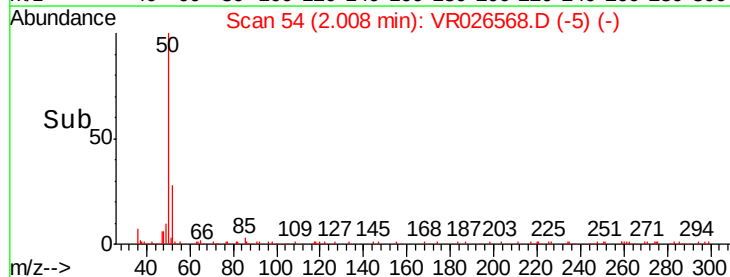
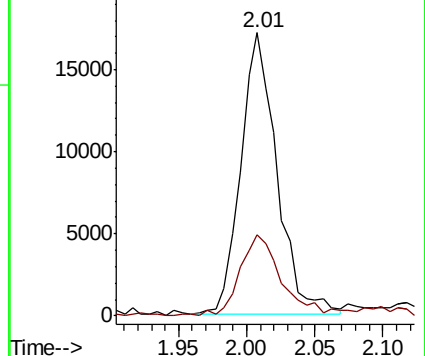
50 100

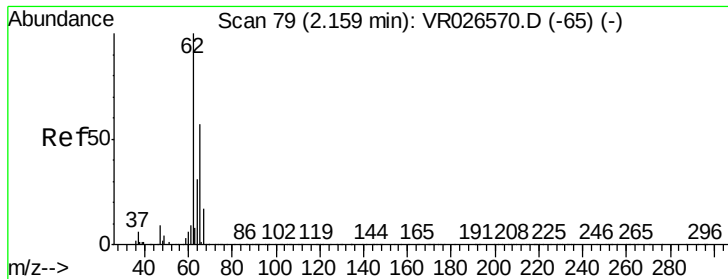
52 28.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 0.542 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

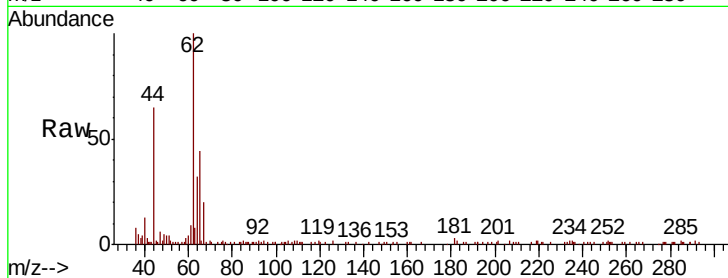
VSTD0.583

Tot Ion: 62 Resp: 33764

Ion Ratio Lower Upper

62 100

64 32.2 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

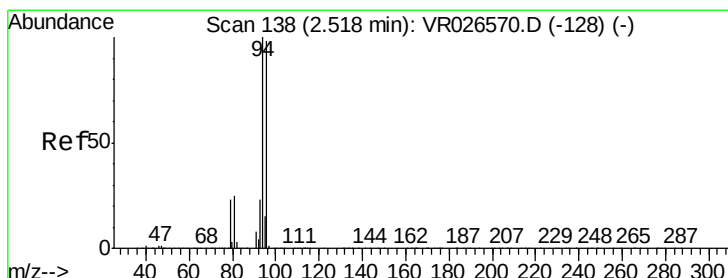
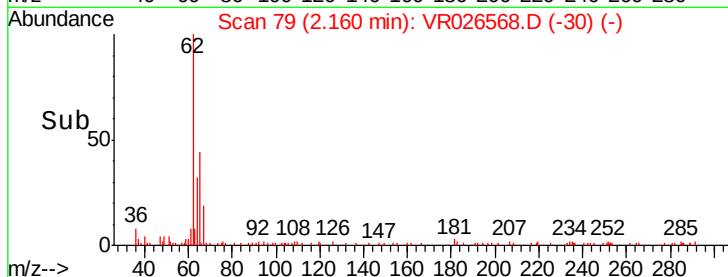
2.16

10000

5000

0

Time--> 2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 0.558 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR026568.D

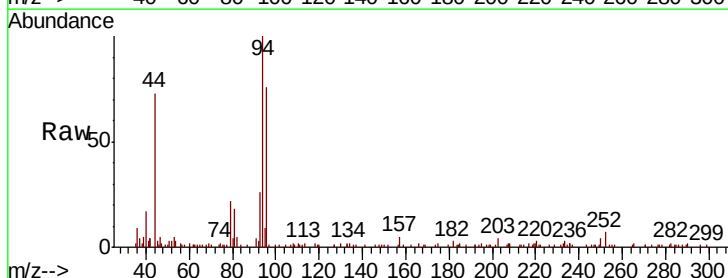
Acq: 11 Apr 2019 10:18

Tgt Ion: 94 Resp: 20478

Ion Ratio Lower Upper

94 100

96 75.9 68.5 127.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

8000

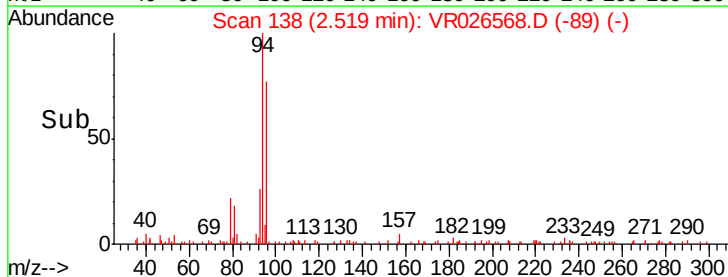
6000

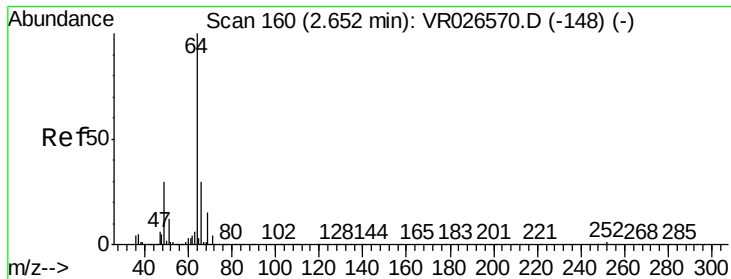
4000

2000

0

Time--> 2.40 2.50 2.60





#8

Chloroethane

Concen: 0.536 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

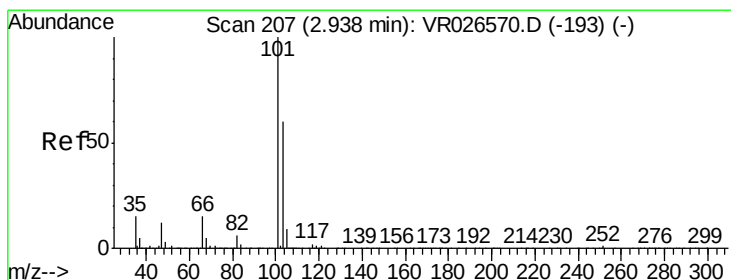
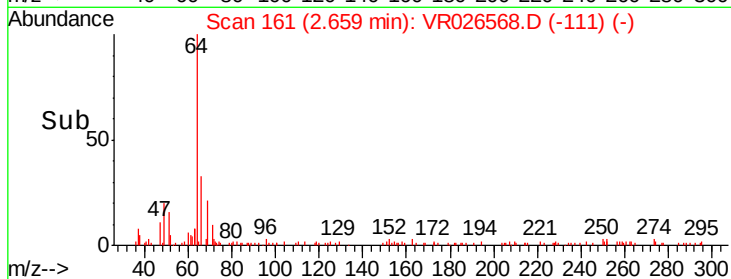
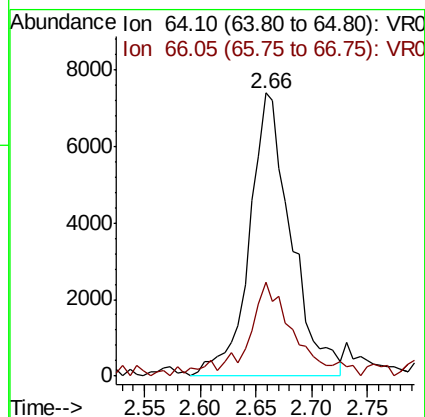
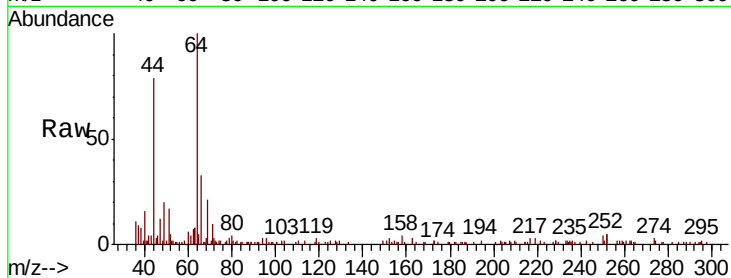
VSTD0.583

Tot Ion: 64 Resp: 19263

Ion Ratio Lower Upper

64 100

66 31.7 20.7 38.5



#9

Trichlorofluoromethane

Concen: 0.174 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026568.D

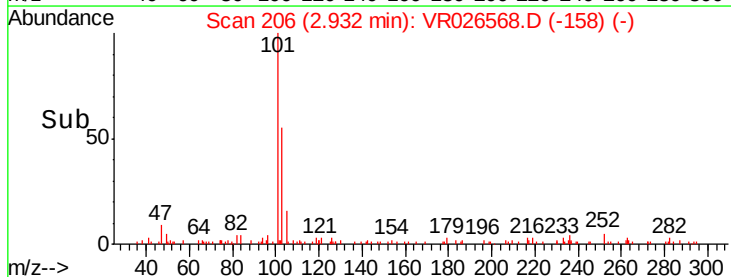
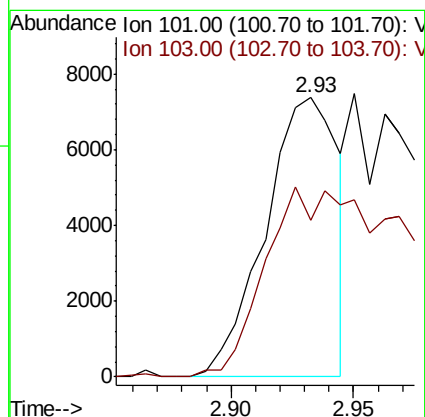
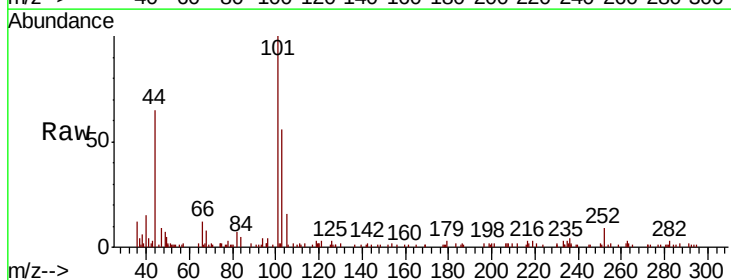
Acq: 11 Apr 2019 10:18

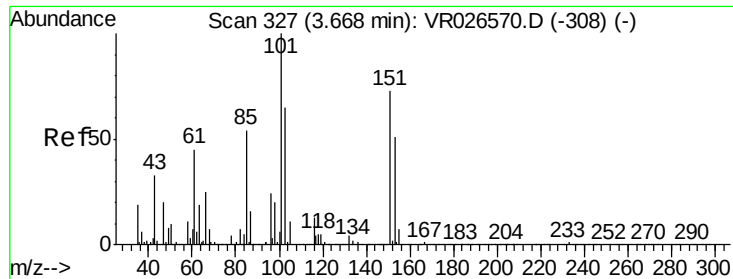
Tgt Ion: 101 Resp: 15245

Ion Ratio Lower Upper

101 100

103 45.8 50.7 76.1#





#10

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

Concen: 0.543 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

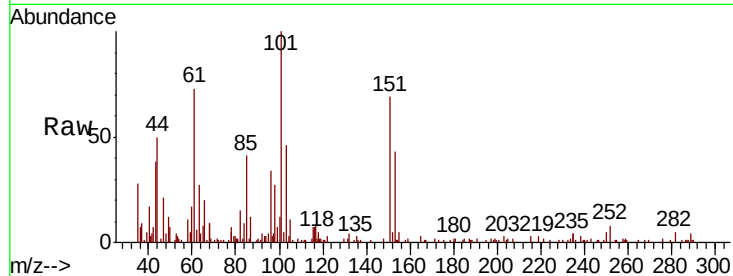
Tot Ion:101 Resp: 25959

Ion Ratio Lower Upper

101 100

85 48.4 40.4 60.6

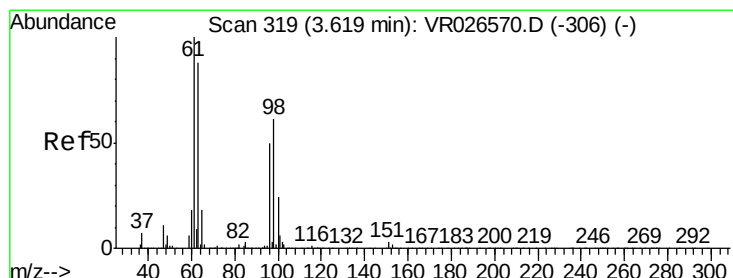
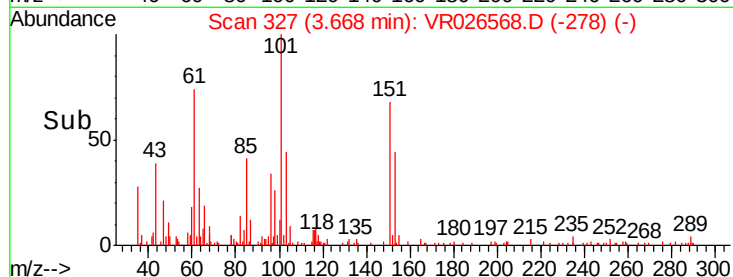
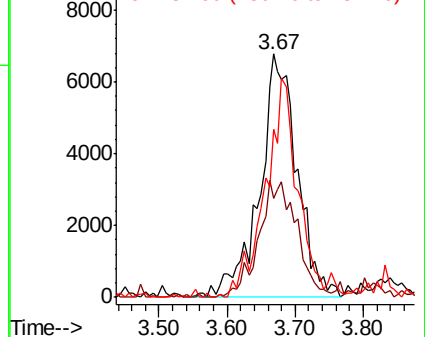
151 76.1 59.4 89.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.582 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

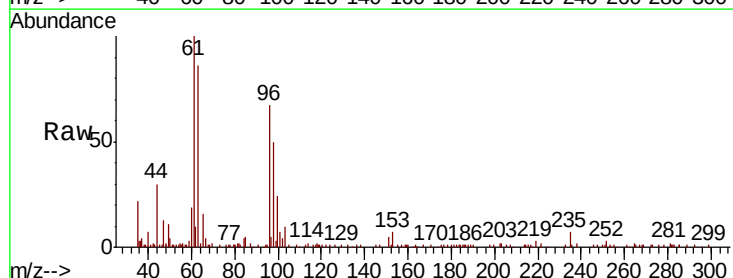
Tgt Ion: 96 Resp: 30344

Ion Ratio Lower Upper

96 100

61 150.2 140.8 261.6

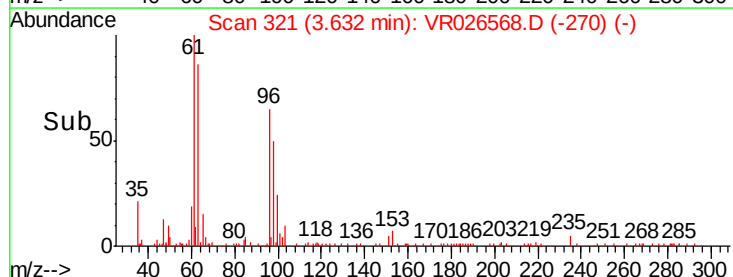
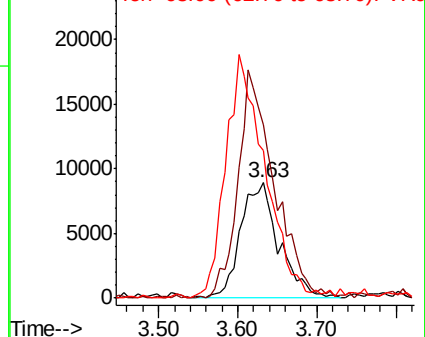
63 128.5 124.0 230.4

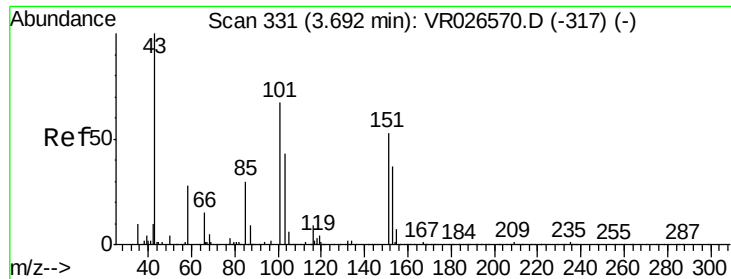


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

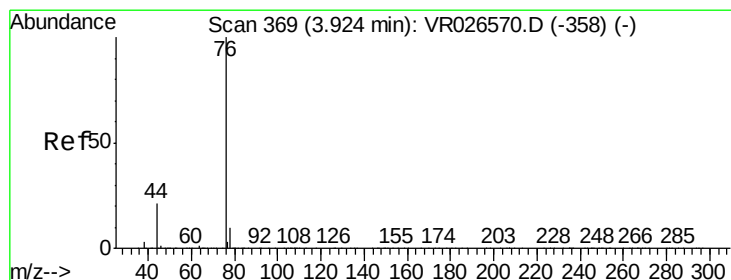
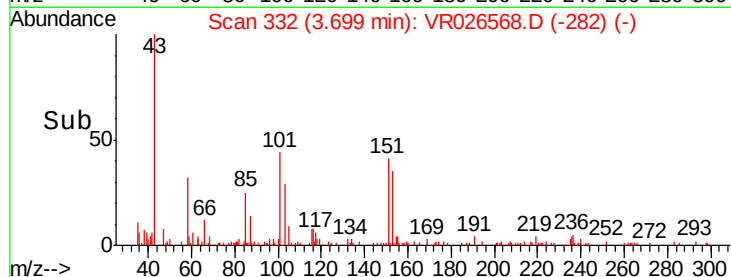
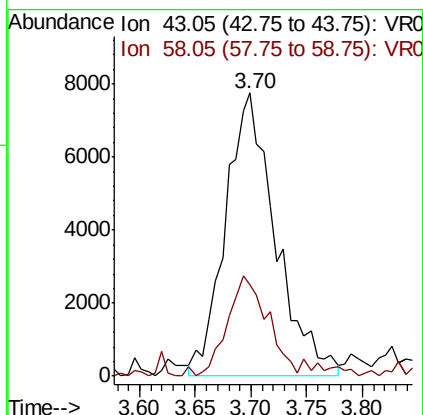
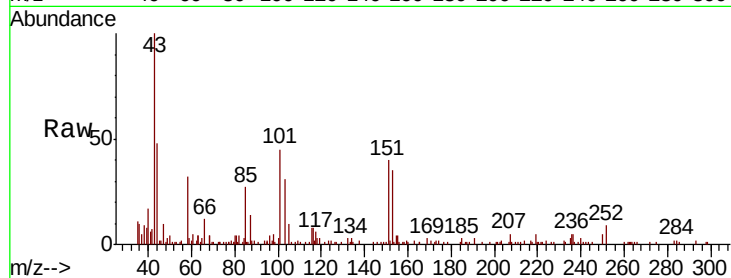




#13
Acetone
Concen: 6.077 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

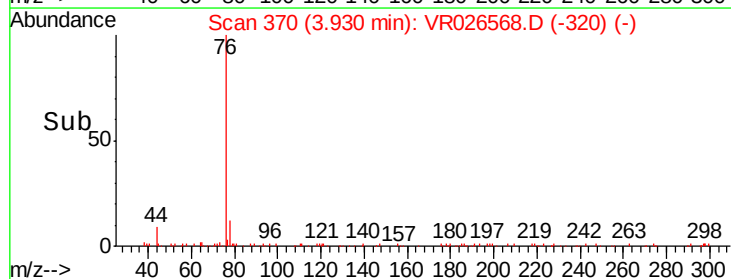
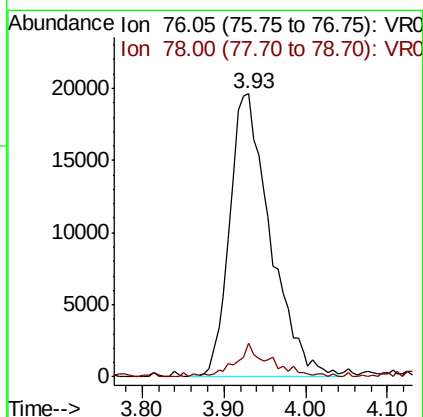
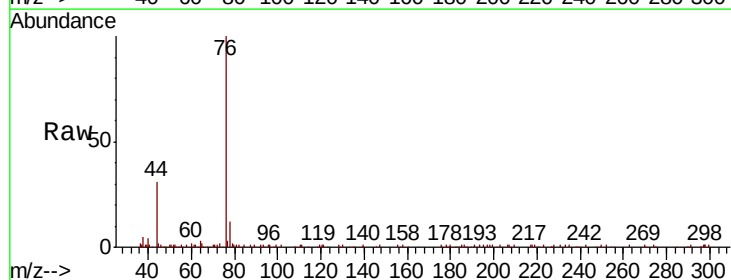
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

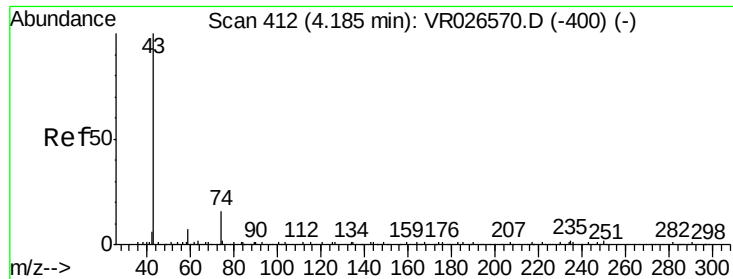
Tot Ion: 43 Resp: 24264
Ion Ratio Lower Upper
43 100
58 28.2 0.0 49.4



#14
Carbon disulfide
Concen: 0.449 ug/L
RT: 3.93 min Scan# 370
Delta R.T. 0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion: 76 Resp: 67097
Ion Ratio Lower Upper
76 100
78 12.1 7.9 11.9#

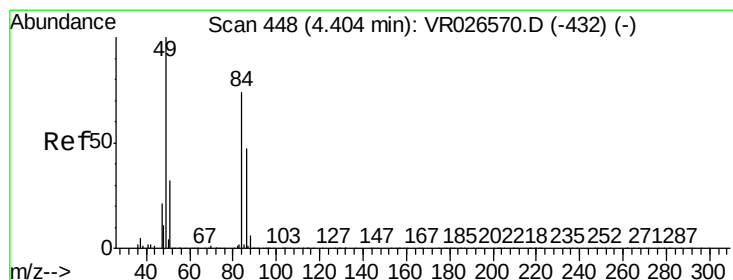
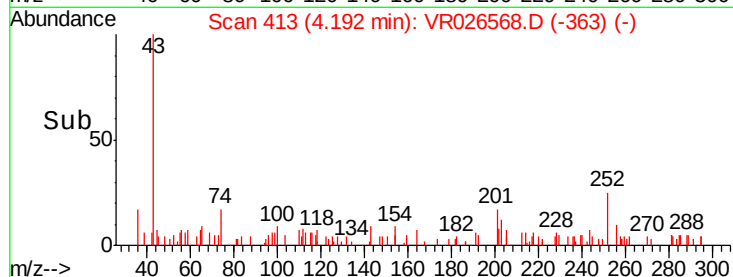
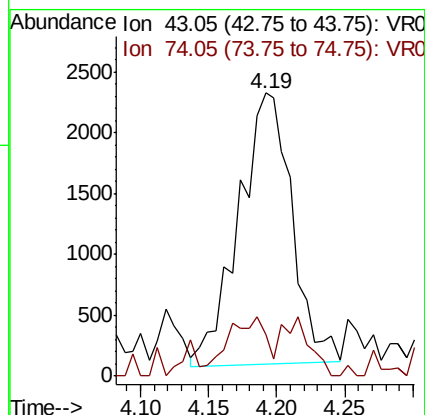
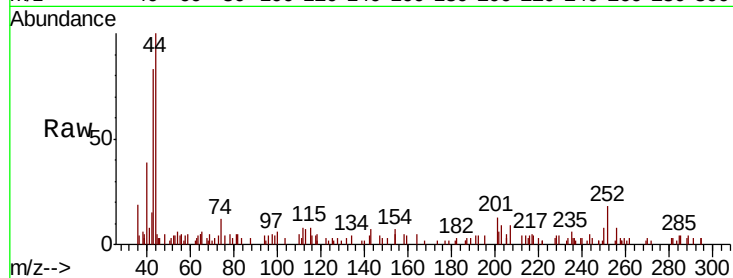




#15
Methyl Acetate
Concen: 0.558 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

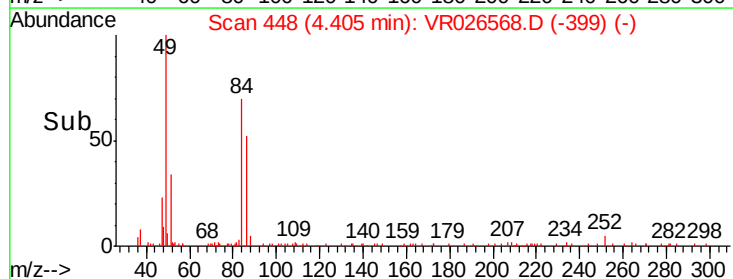
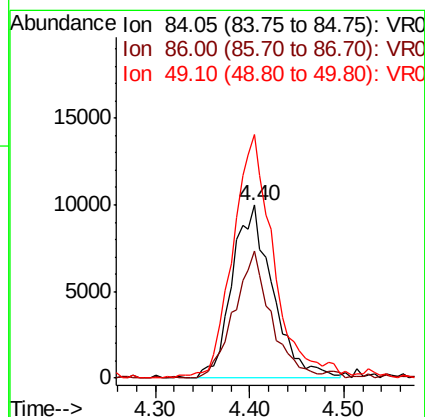
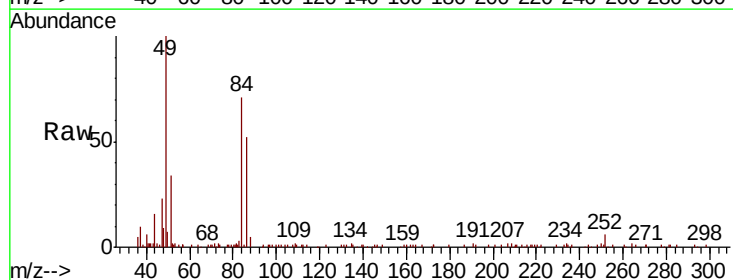
Instrument :
MSVOA_R
ClientSampled :
VSTD0.583

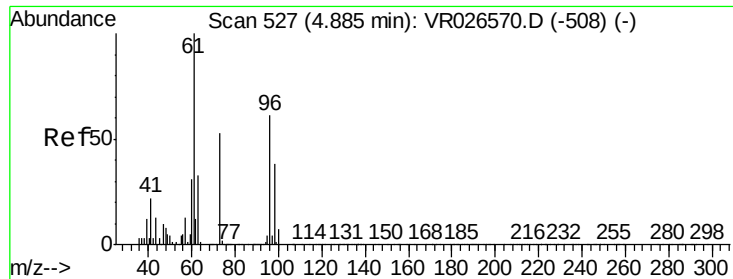
Tot Ion: 43 Resp: 6109
Ion Ratio Lower Upper
43 100
74 13.6 9.0 13.6#



#16
Methylene chloride
Concen: 0.644 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion: 84 Resp: 30058
Ion Ratio Lower Upper
84 100
86 73.7 45.1 83.7
49 140.6 95.2 176.8

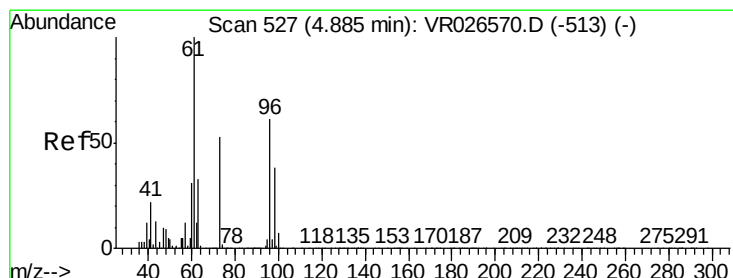
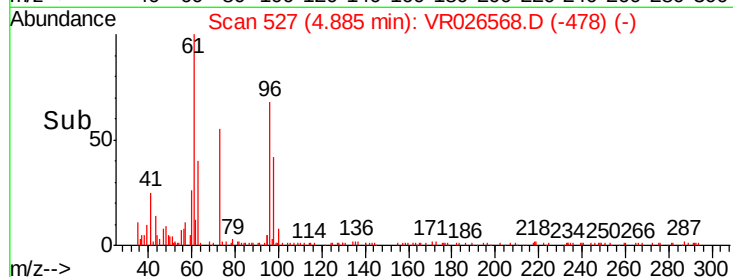
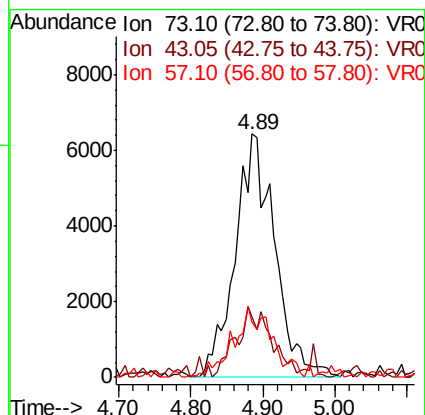
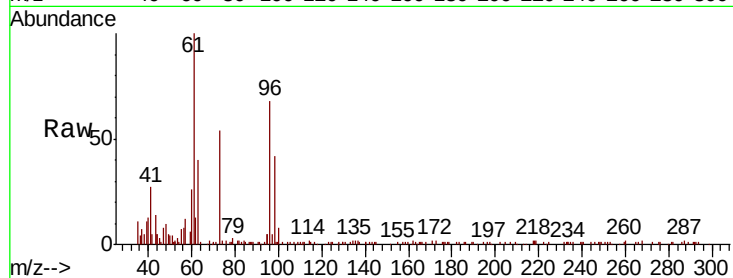




#17
Methyl tert-butyl Ether
Concen: 0.430 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

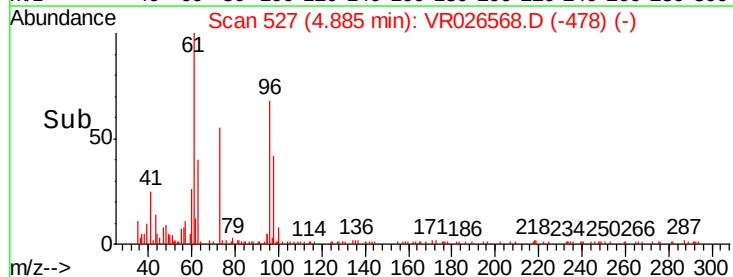
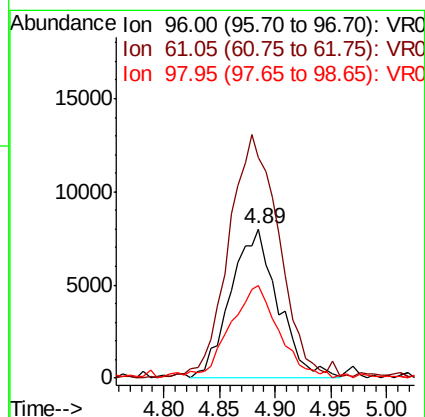
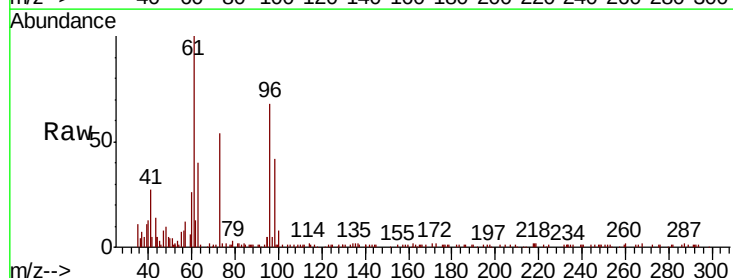
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

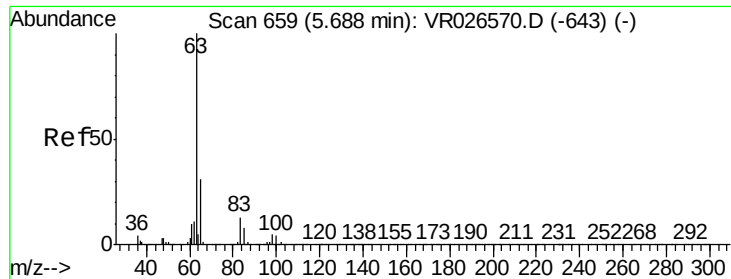
Tot Ion: 73 Resp: 24561
Ion Ratio Lower Upper
73 100
43 14.7 20.6 30.8#
57 16.5 18.6 27.8#



#18
trans-1,2-Dichloroethene
Concen: 0.485 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion: 96 Resp: 23539
Ion Ratio Lower Upper
96 100
61 147.8 115.5 214.5
98 62.1 43.6 81.0

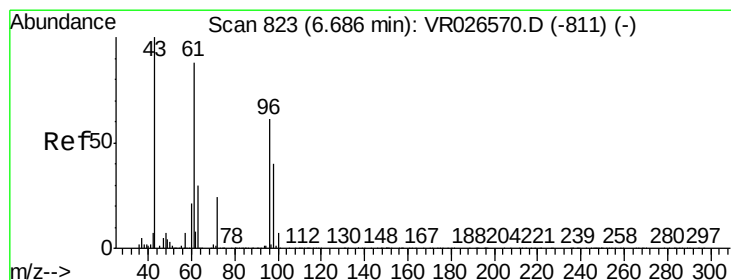
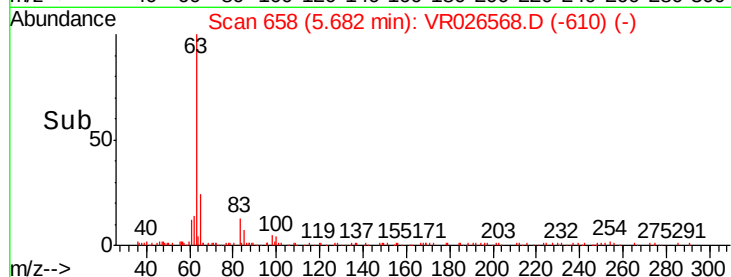
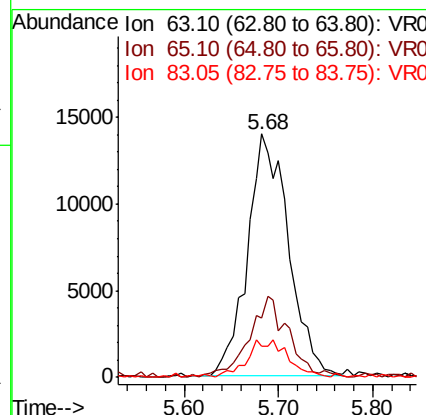
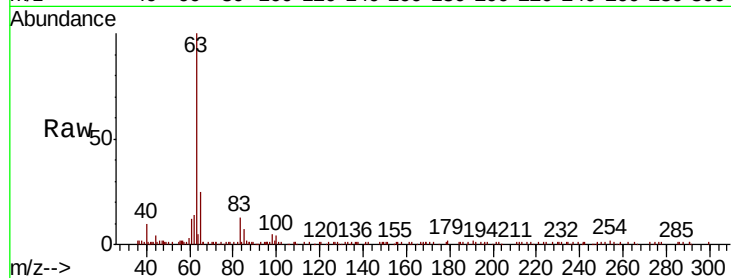




#19
 1,1-Dichloroethane
 Concen: 0.475 ug/L
 RT: 5.68 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

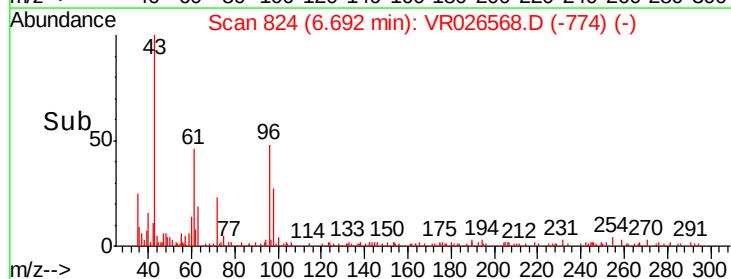
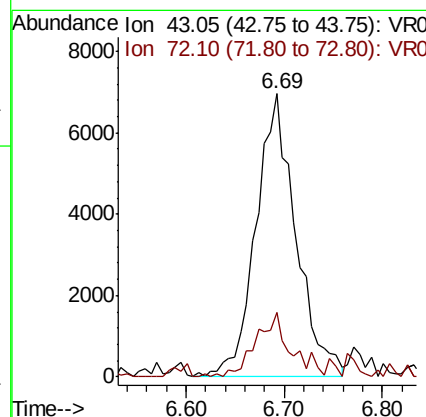
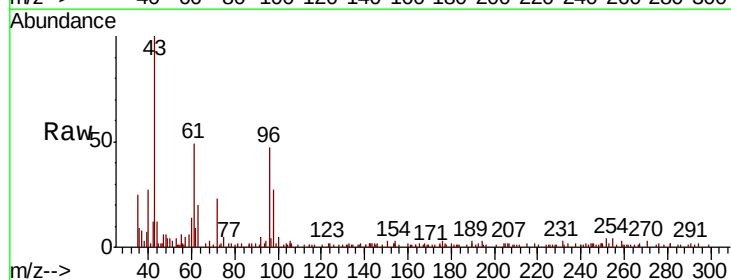
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

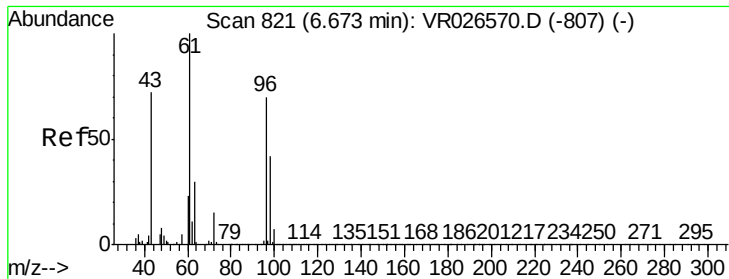
Tot Ion:	63	Resp:	42675
Ion	Ratio	Lower	Upper
63	100		
65	24.6	21.9	40.7
83	12.7	8.9	16.5



#21
 2-Butanone
 Concen: 3.841 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

Tgt Ion:	43	Resp:	19858
Ion	Ratio	Lower	Upper
43	100		
72	19.6	11.1	33.3



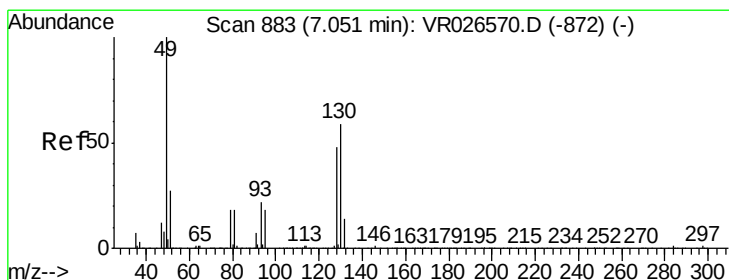
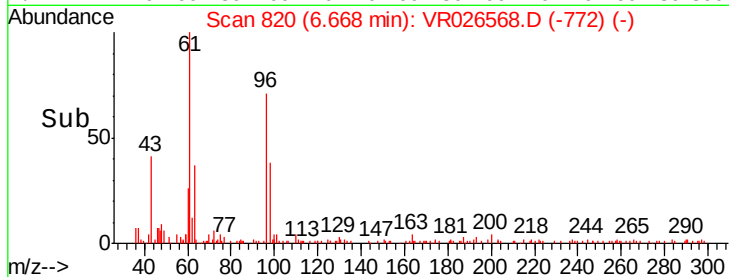
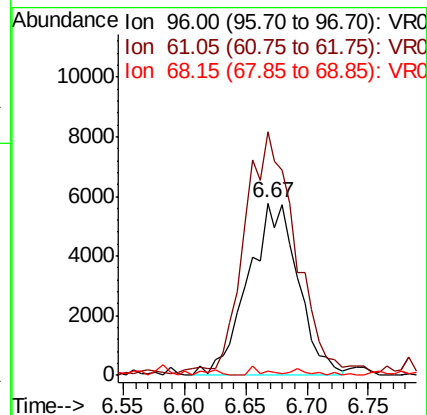
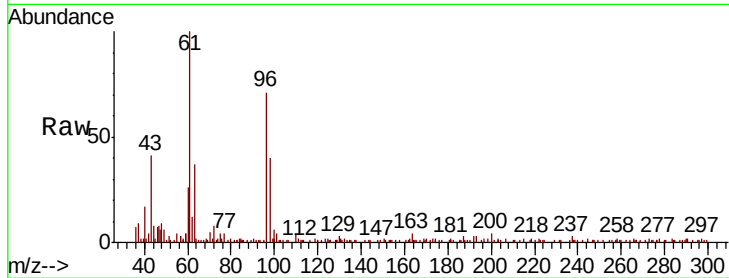


#22

cis-1,2-Dichloroethene
Concen: 0.402 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Instrument :
MSVOA_R
ClientSampled :
VSTD0.583

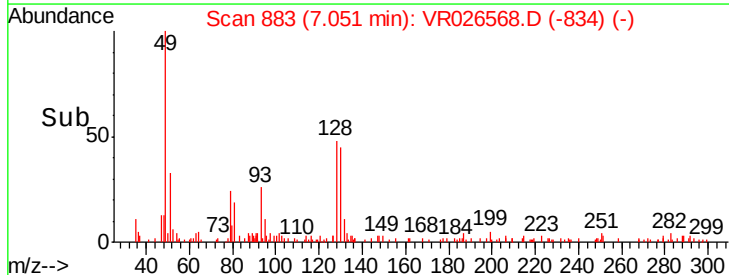
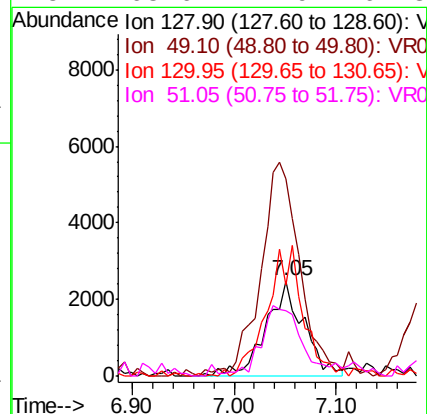
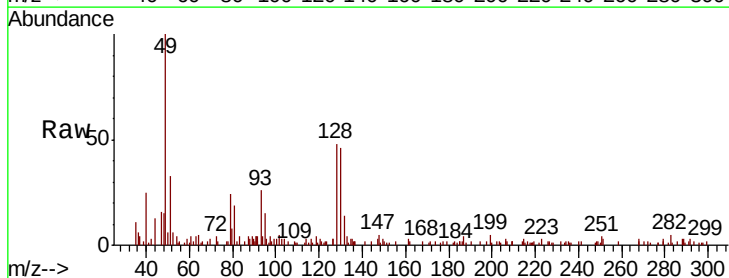
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	99.3	184.5
68	2.4	0.1	0.3#

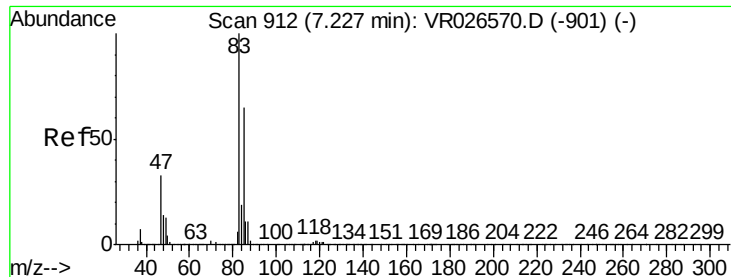


#23

Bromochloromethane
Concen: 0.499 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion	Ratio	Lower	Upper
128	100		
49	220.4	144.4	268.2
130	96.0	86.2	160.0
51	68.6	44.9	67.3#

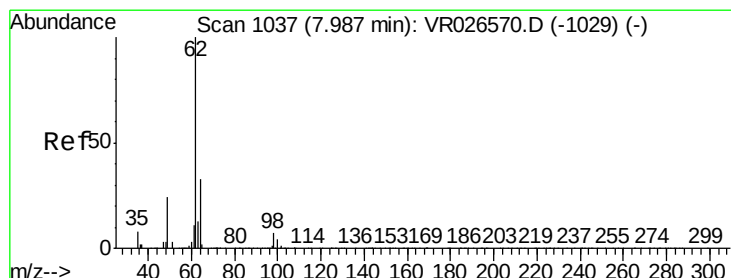
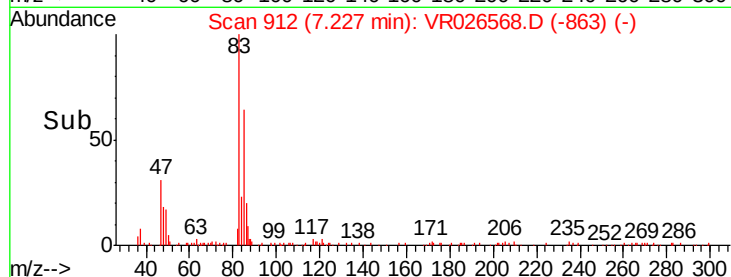
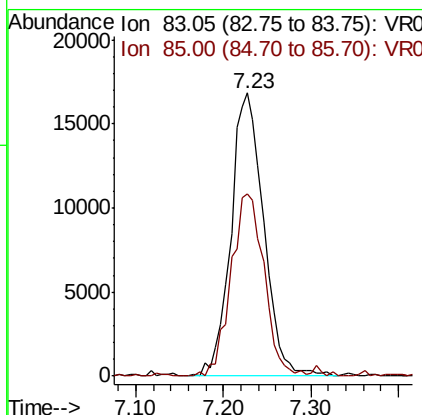
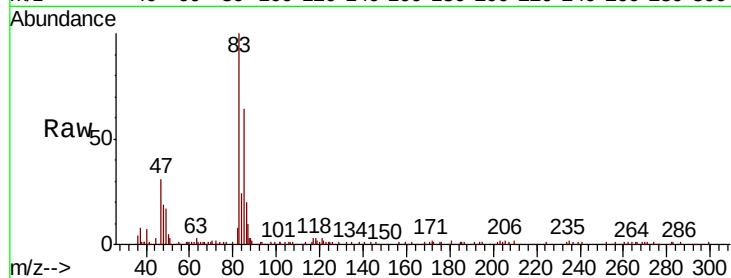




#25
Chloroform
Concen: 0.505 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

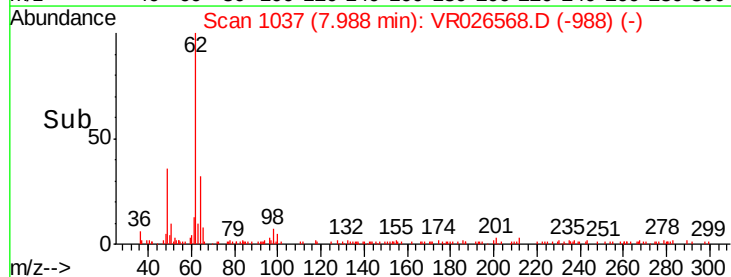
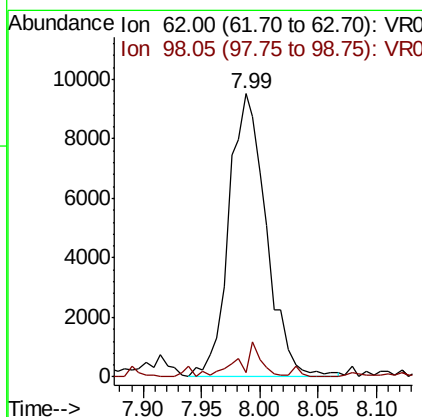
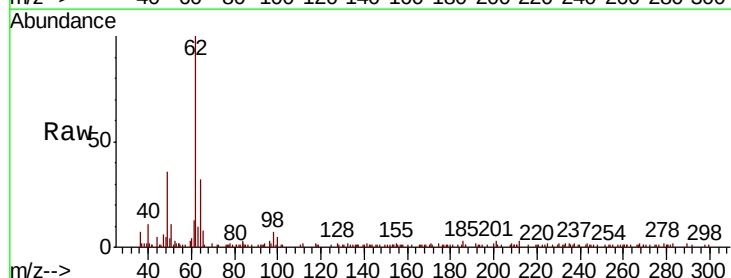
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

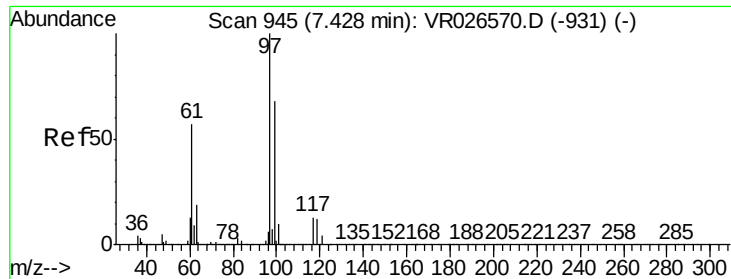
Tot Ion: 83 Resp: 43724
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 0.489 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion: 62 Resp: 21169
Ion Ratio Lower Upper
62 100
98 1.5 6.0 9.0#





#29

1,1,1-Trichloroethane

Concen: 0.454 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

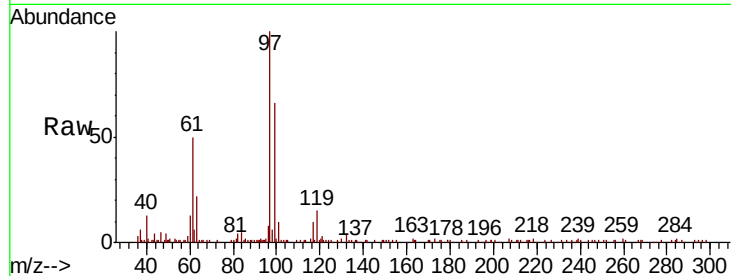
Tot Ion: 97 Resp: 34645

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

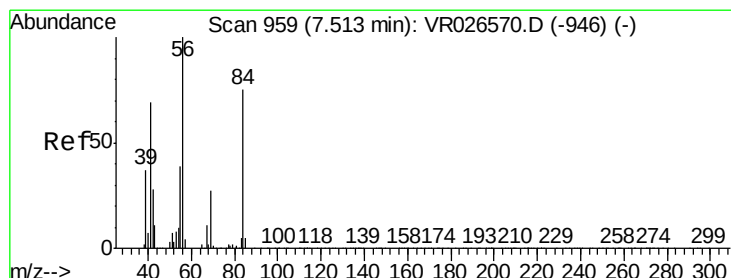
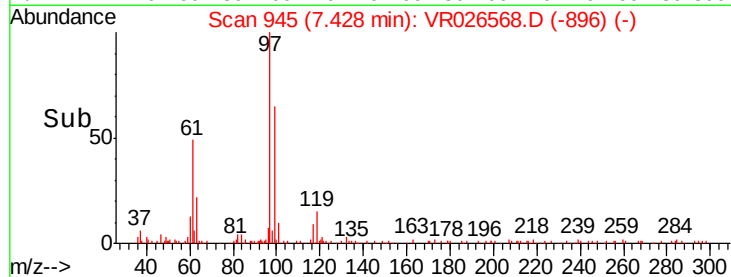
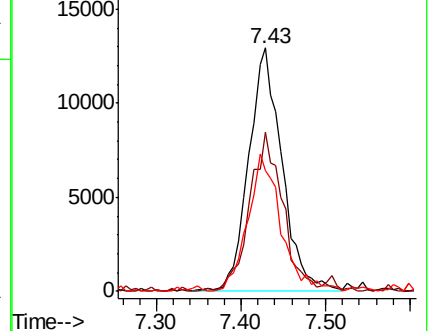
61 56.0 44.5 66.7



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.299 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

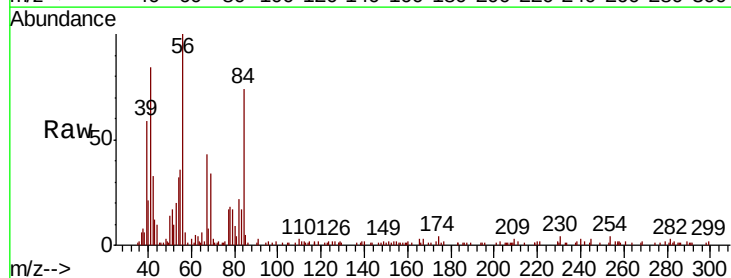
Tgt Ion: 56 Resp: 21206

Ion Ratio Lower Upper

56 100

69 16.5 23.0 34.4#

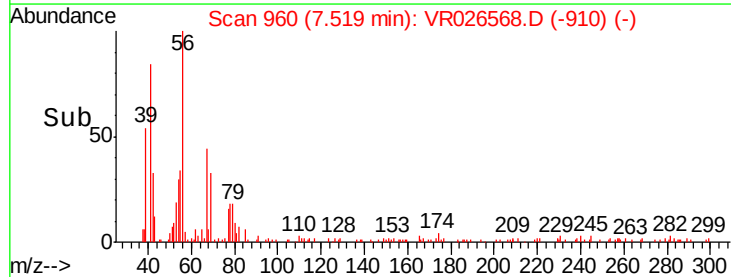
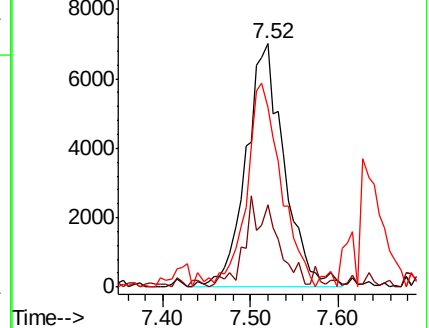
84 74.9 63.4 95.0

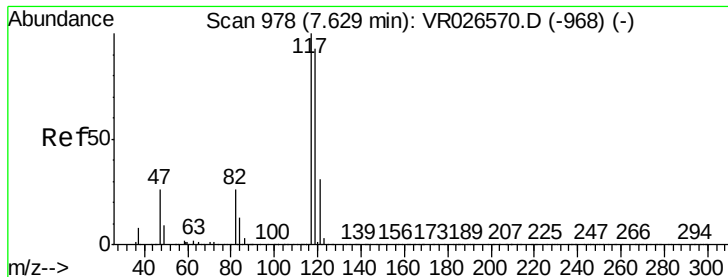


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.498 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

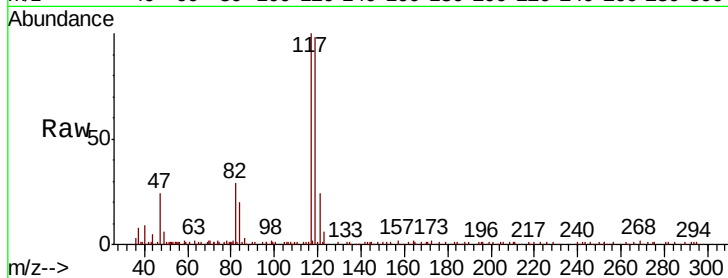
VSTD0.583

Tot Ion:117 Resp: 36419

Ion Ratio Lower Upper

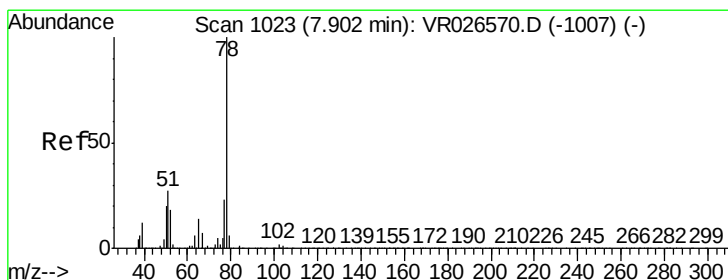
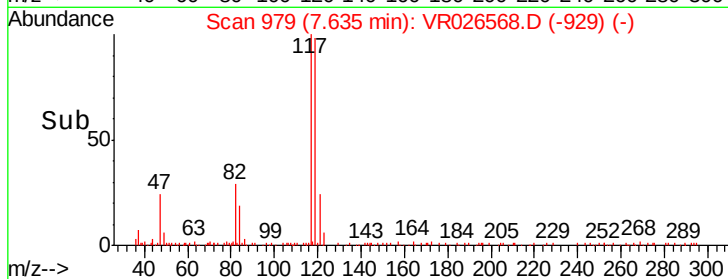
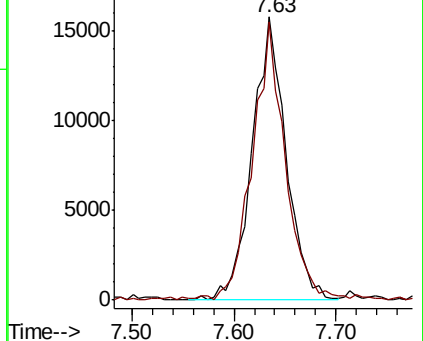
117 100

119 95.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.435 ug/L

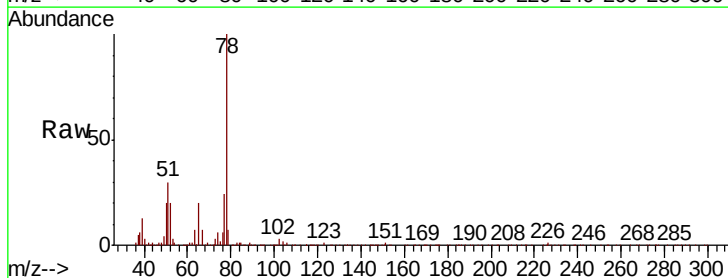
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

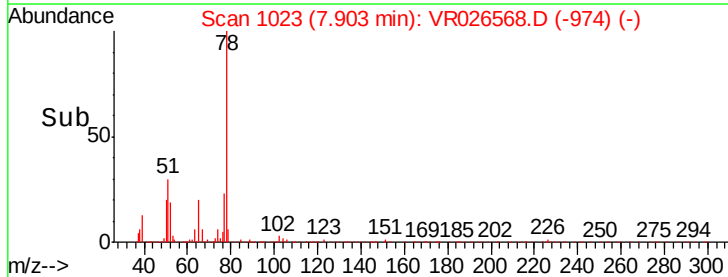
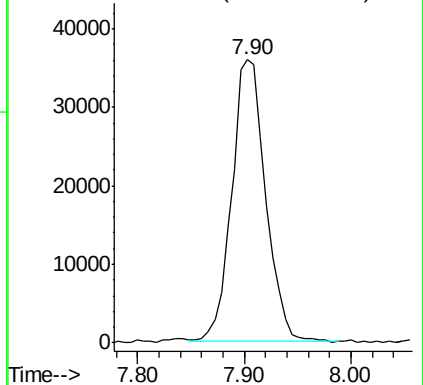
Lab File: VR026568.D

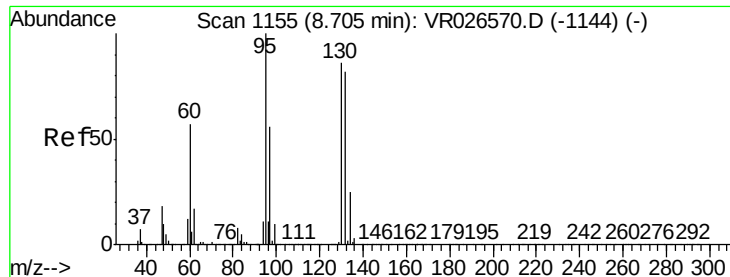
Acq: 11 Apr 2019 10:18

Tgt Ion: 78 Resp: 79912



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.480 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

Tot Ion: 95 Resp: 23561

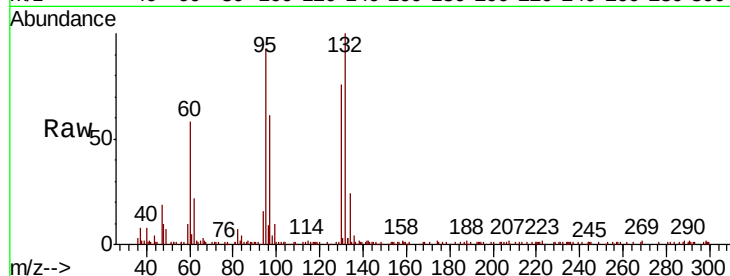
Ion Ratio Lower Upper

95 100

97 65.9 39.1 72.7

132 107.9 57.6 107.0#

130 82.5 60.1 111.5

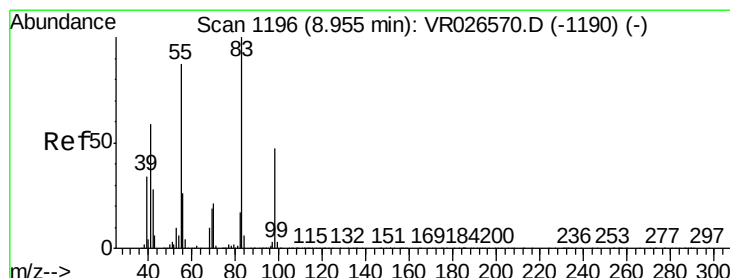
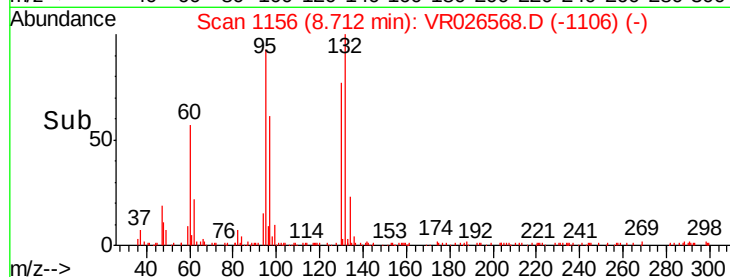
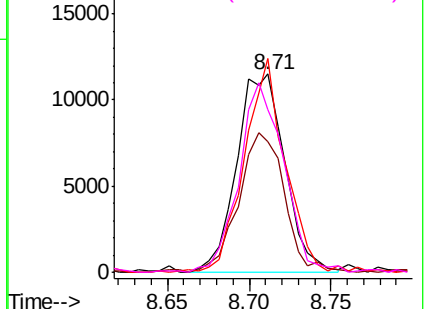


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.336 ug/L

RT: 8.95 min Scan# 1195

Delta R.T. -0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

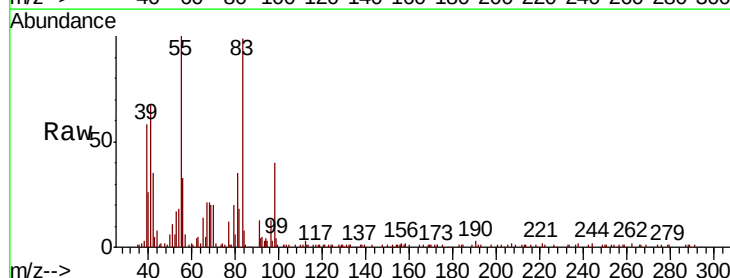
Tgt Ion: 83 Resp: 23451

Ion Ratio Lower Upper

83 100

55 104.4 70.7 106.1

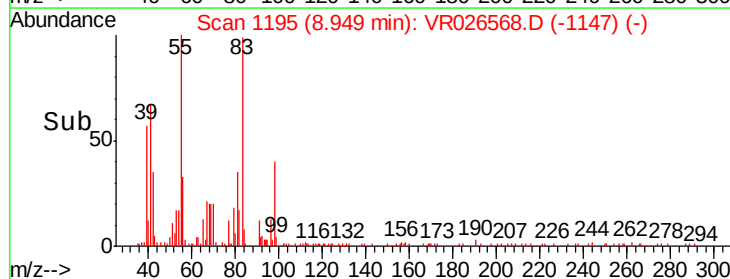
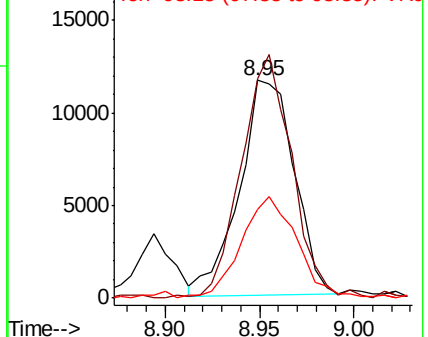
98 47.9 36.0 54.0

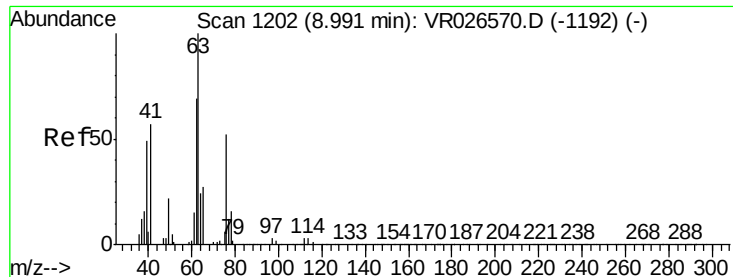


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.465 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

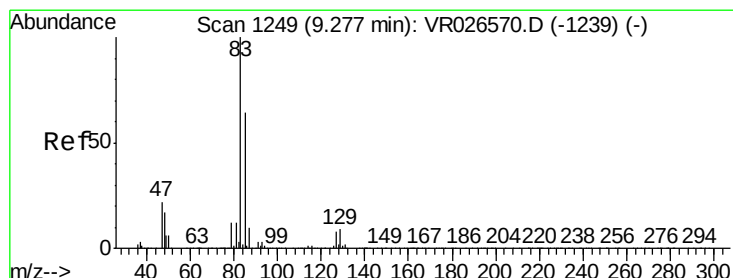
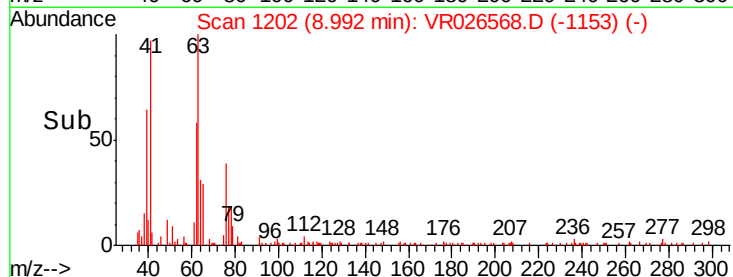
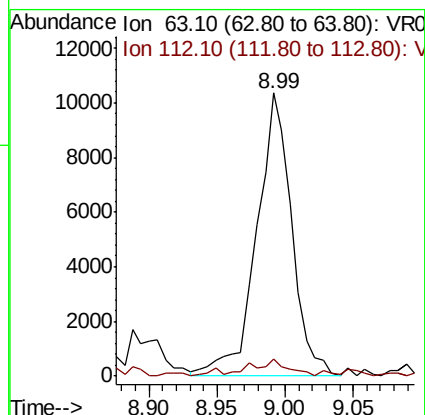
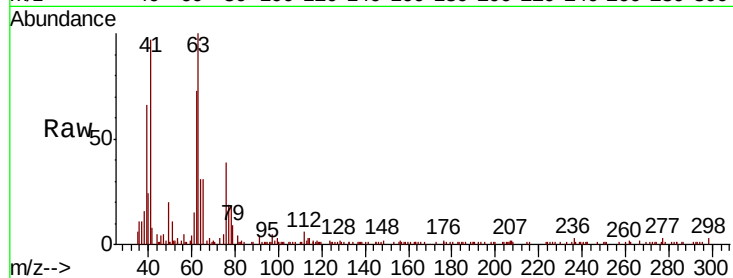
VSTD0.583

Tot Ion: 63 Resp: 18712

Ion Ratio Lower Upper

63 100

112 5.9 3.0 4.4#



#38

Bromodichloromethane

Concen: 0.446 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

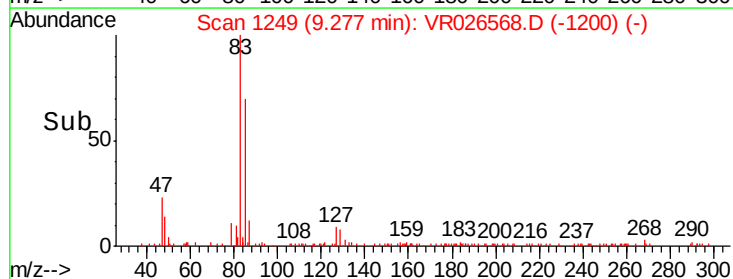
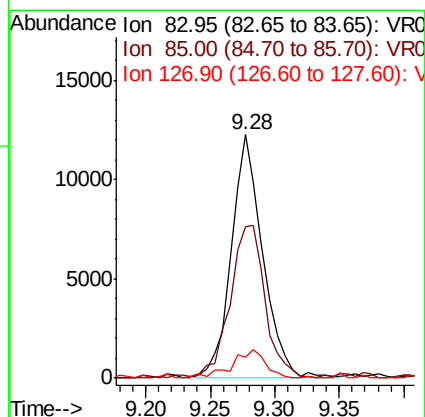
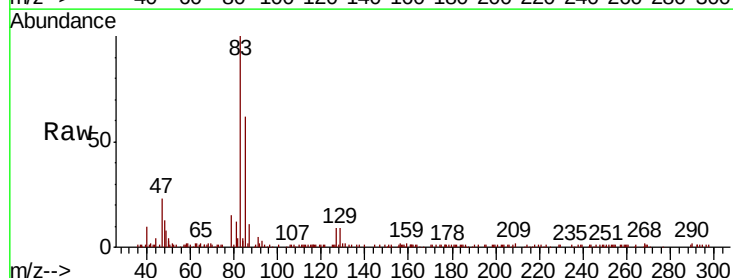
Tgt Ion: 83 Resp: 20886

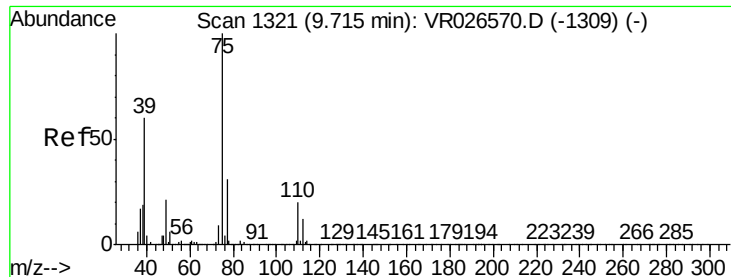
Ion Ratio Lower Upper

83 100

85 62.2 44.7 83.1

127 8.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 0.336 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

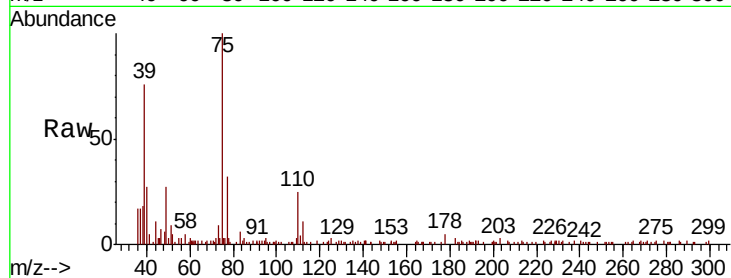
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

Tot Ion: 75 Resp: 14614

Ion Ratio Lower Upper

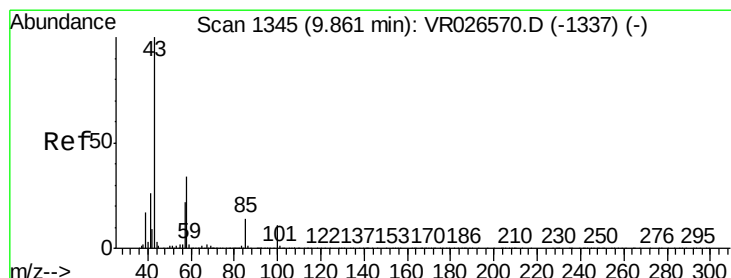
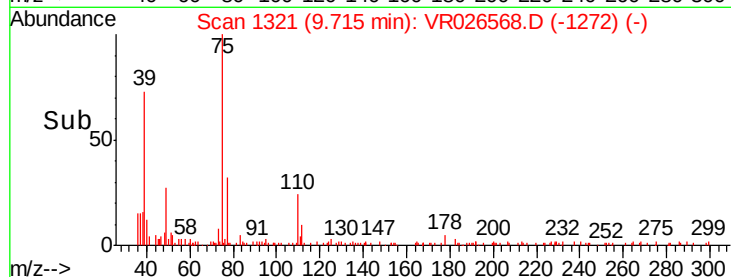
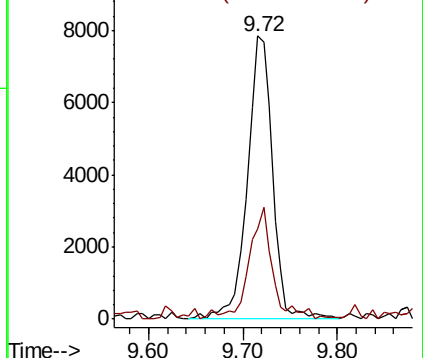
75 100

77 31.8 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 3.099 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

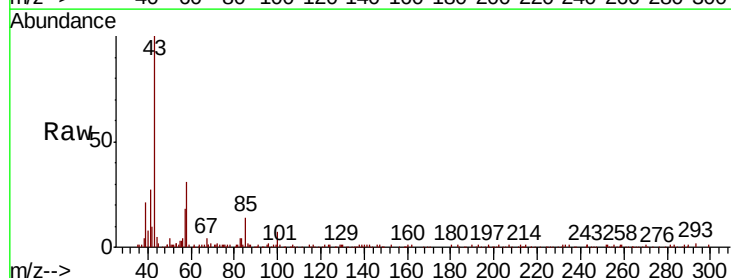
Tgt Ion: 43 Resp: 37162

Ion Ratio Lower Upper

43 100

58 31.9 27.0 40.4

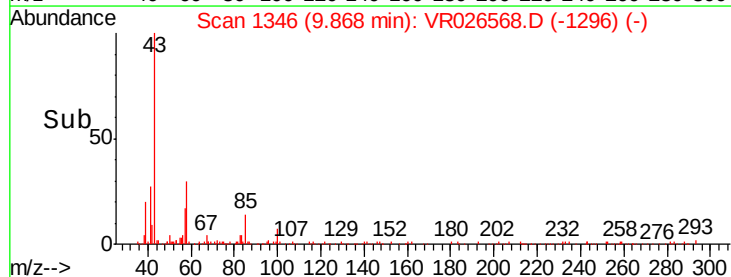
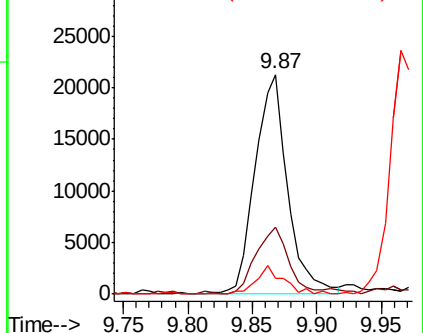
100 10.6 9.0 13.6

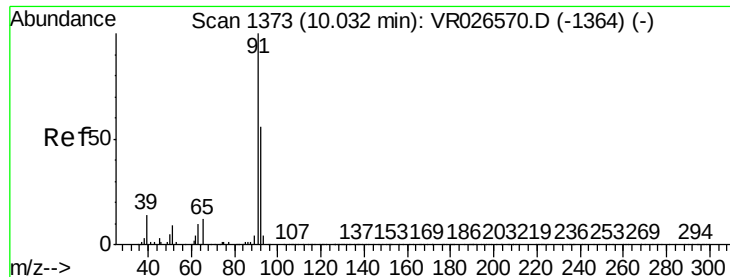


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.406 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

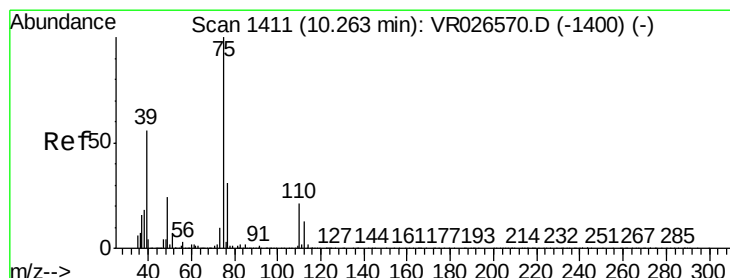
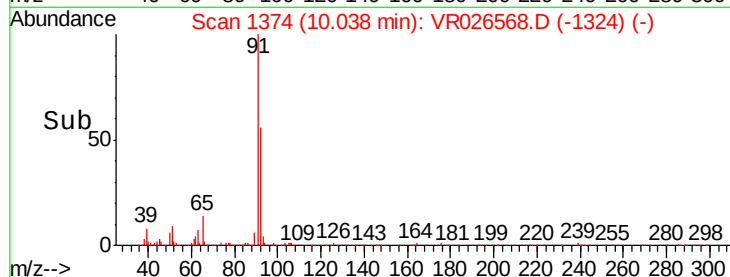
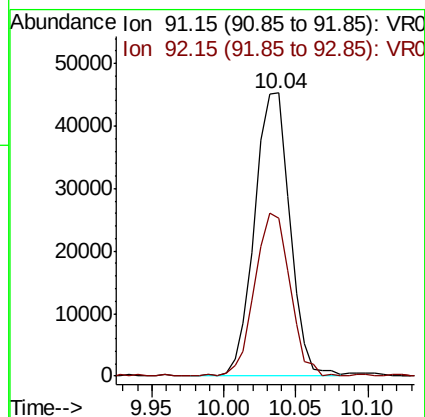
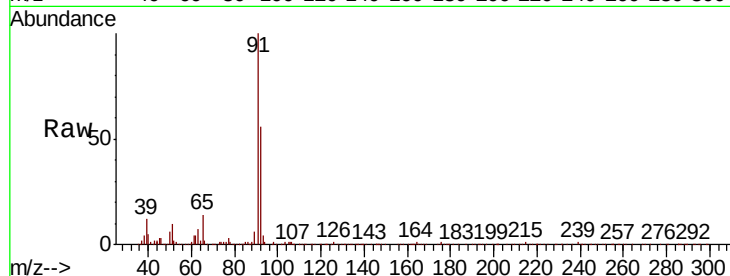
VSTD0.583

Tot Ion: 91 Resp: 76719

Ion Ratio Lower Upper

91 100

92 56.0 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 0.341 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026568.D

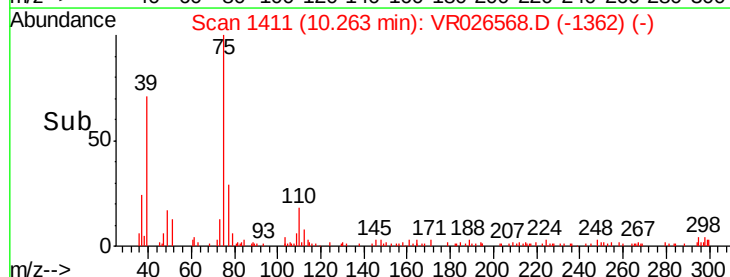
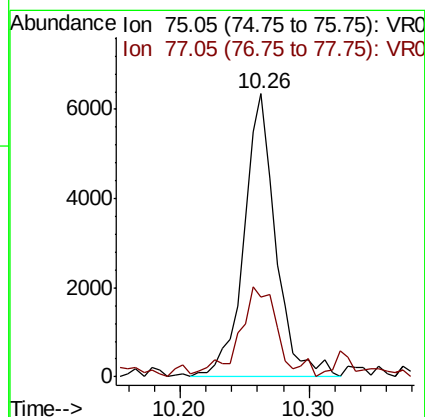
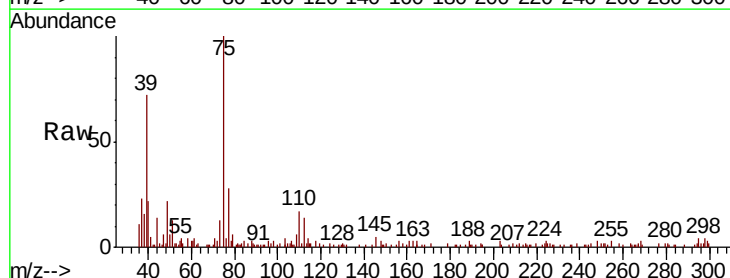
Acq: 11 Apr 2019 10:18

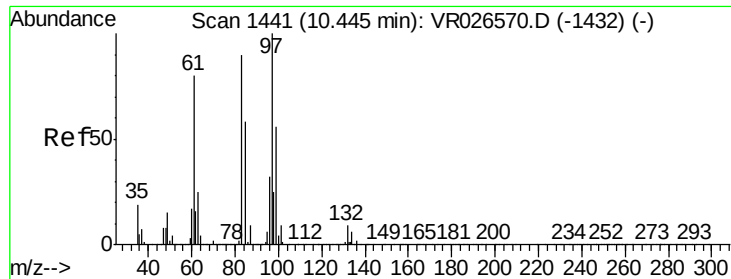
Tgt Ion: 75 Resp: 10722

Ion Ratio Lower Upper

75 100

77 28.2 21.6 40.2

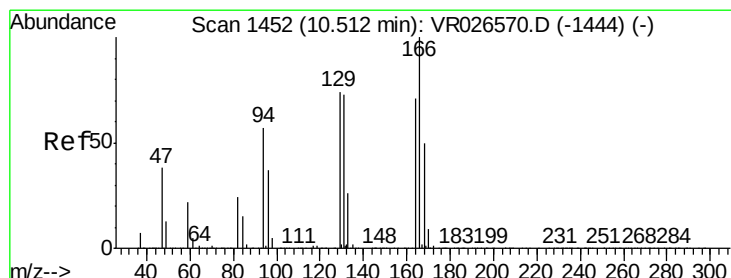
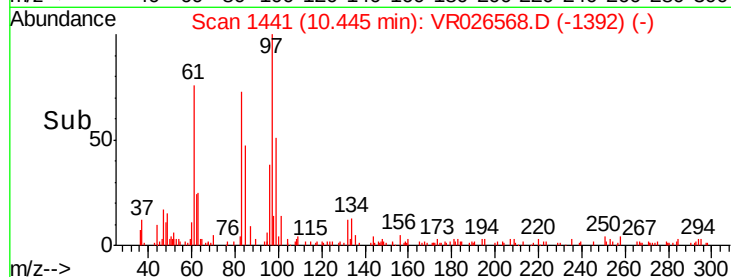
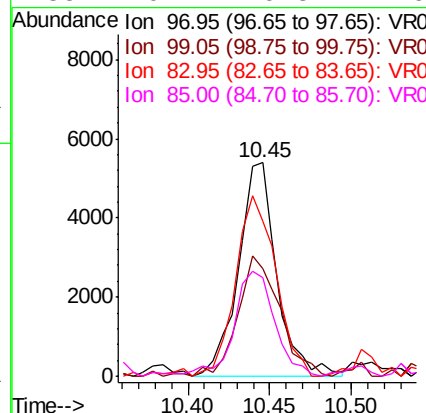
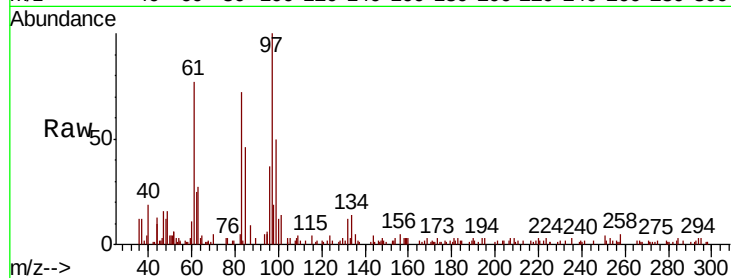




#45
 1,1,2-Trichloroethane
 Concen: 0.534 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

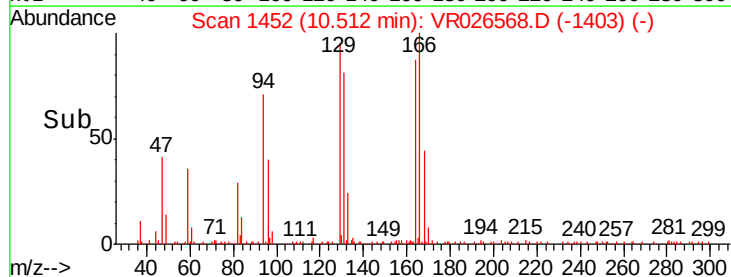
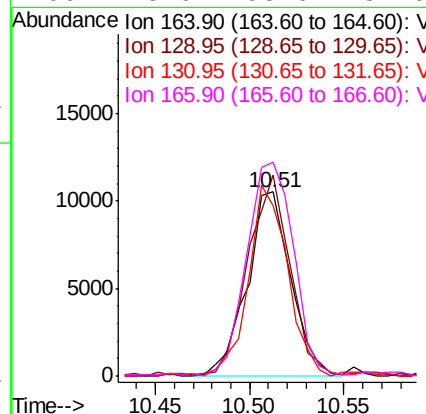
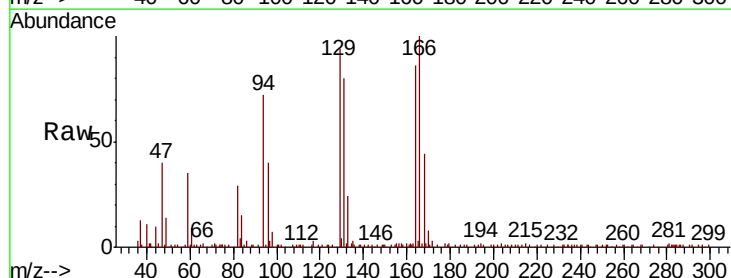
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

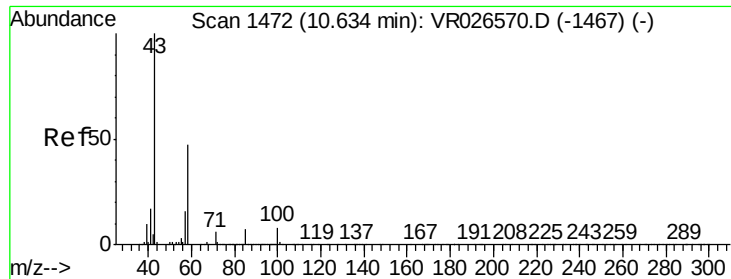
Tot Ion: 97 Resp: 8852
 Ion Ratio Lower Upper
 97 100
 99 50.1 39.3 72.9
 83 72.3 63.0 117.0
 85 46.1 40.3 74.9



#47
 Tetrachloroethene
 Concen: 0.479 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

Tgt Ion: 164 Resp: 16924
 Ion Ratio Lower Upper
 164 100
 129 108.8 72.7 134.9
 131 92.7 72.0 133.6
 166 115.9 98.0 182.0

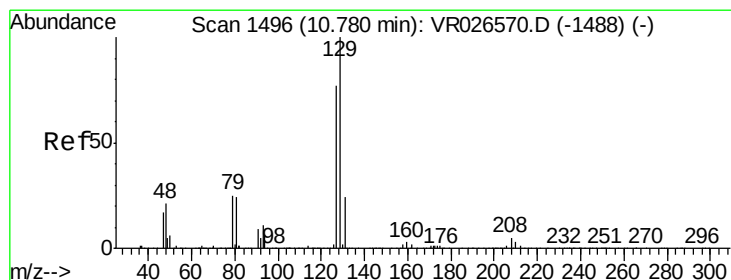
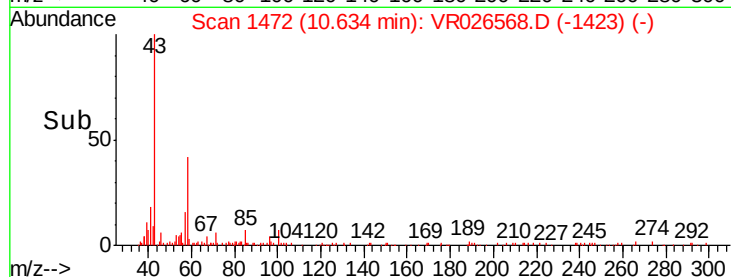
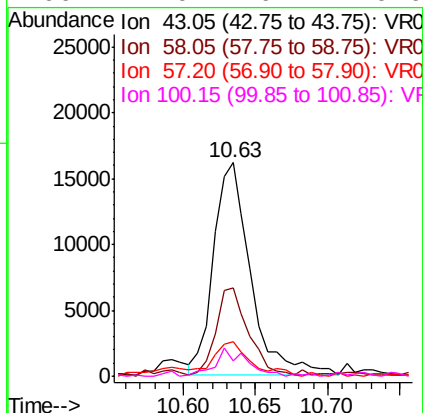
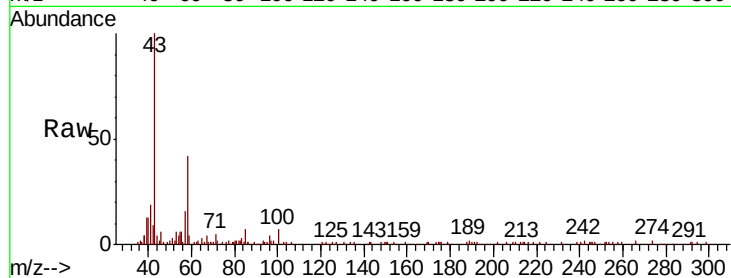




#48
2-Hexanone
Concen: 3.589 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

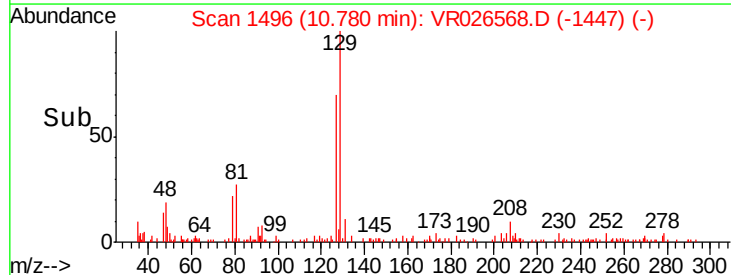
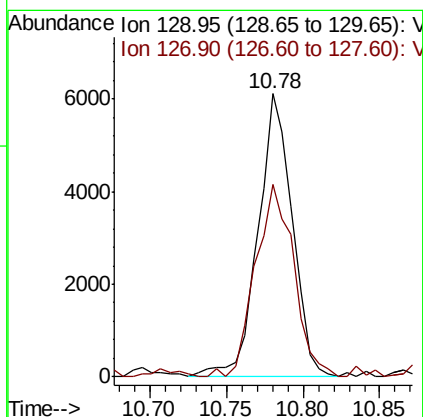
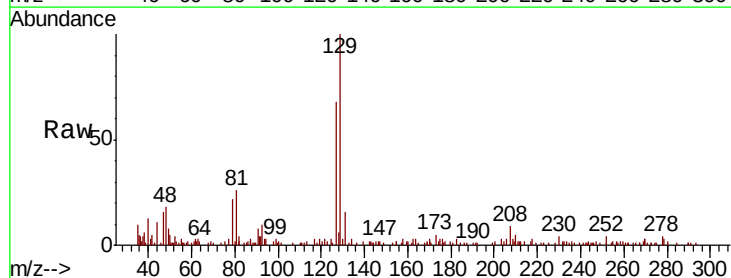
Instrument :
MSVOA_R
ClientSampleID :
VSTD0.583

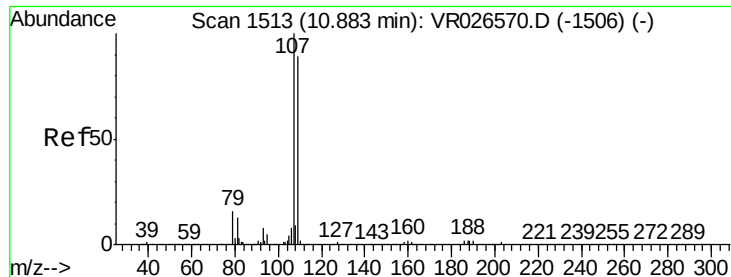
Tot Ion: 43 Resp: 28846
Ion Ratio Lower Upper
43 100
58 36.5 37.2 55.8#
57 16.4 13.4 20.0
100 11.0 6.4 9.6#



#49
Dibromochloromethane
Concen: 0.443 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion: 129 Resp: 9527
Ion Ratio Lower Upper
129 100
127 67.8 53.9 100.1

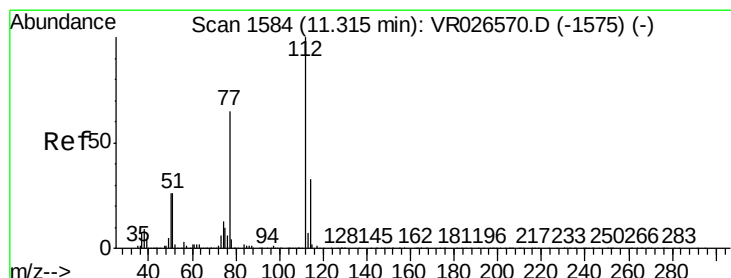
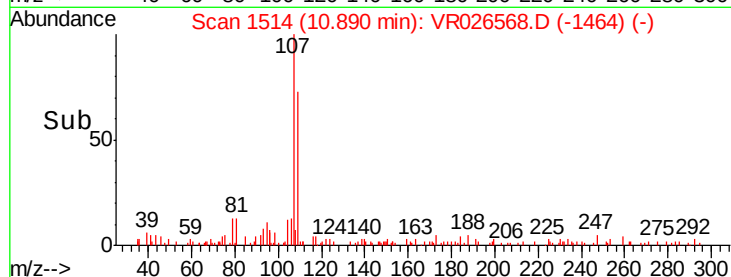
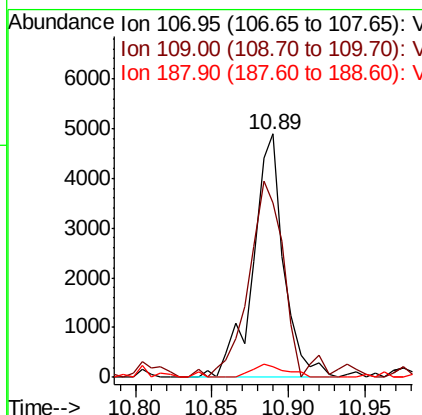
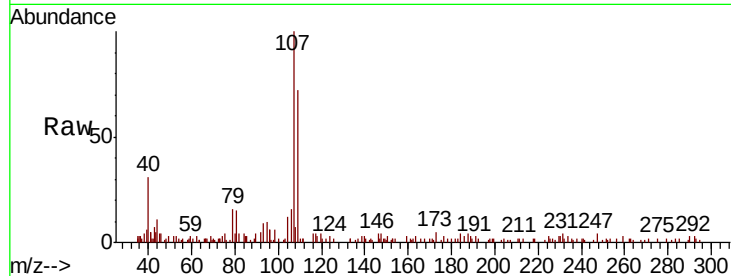




#50
1,2-Dibromoethane
Concen: 0.477 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

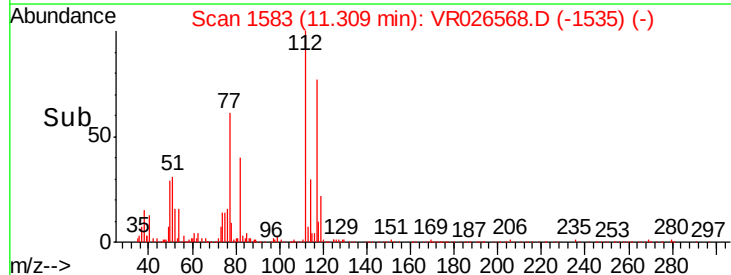
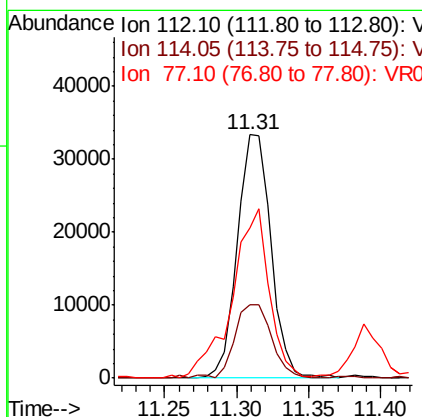
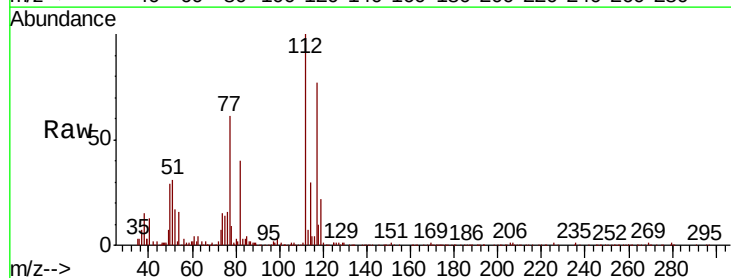
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

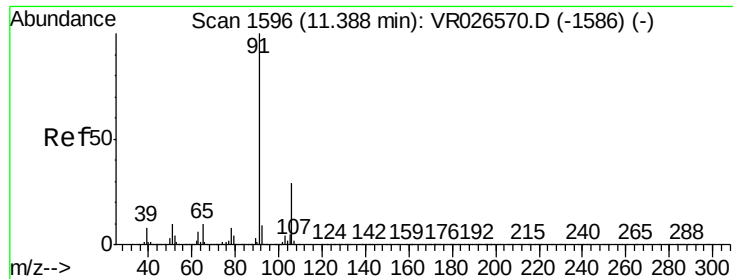
Tot Ion:107 Resp: 6797
Ion Ratio Lower Upper
107 100
109 71.8 62.6 116.3
188 7.1 3.4 5.0#



#51
Chlorobenzene
Concen: 0.506 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion:112 Resp: 54173
Ion Ratio Lower Upper
112 100
114 30.2 22.8 42.4
77 61.5 51.8 77.8





#52

Ethylbenzene

Concen: 0.395 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

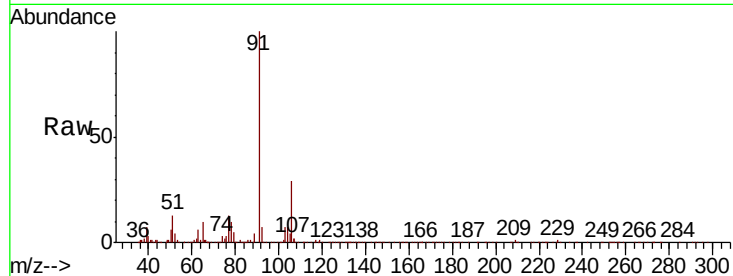
VSTD0.583

Tot Ion: 91 Resp: 85848

Ion Ratio Lower Upper

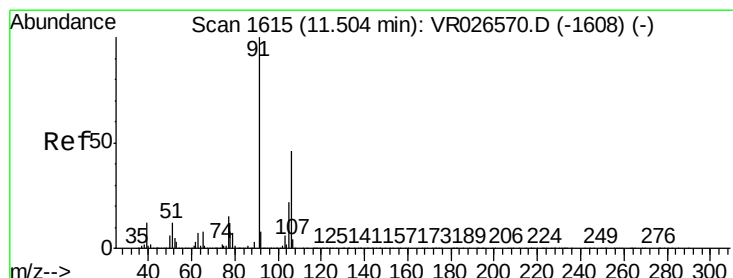
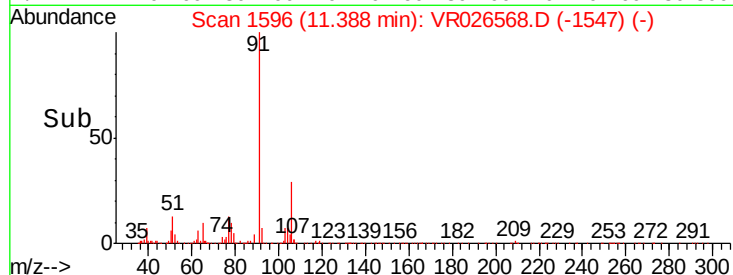
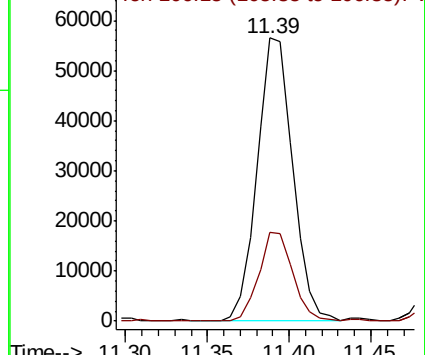
91 100

106 31.3 20.4 38.0



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 0.371 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026568.D

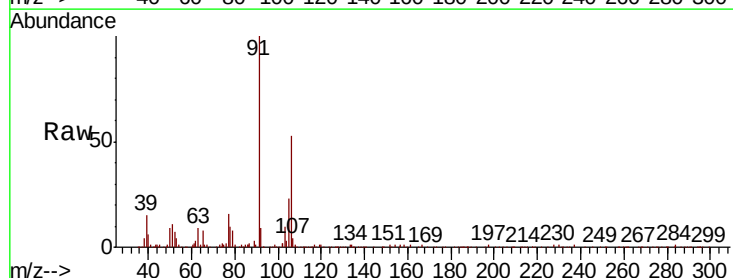
Acq: 11 Apr 2019 10:18

Tgt Ion: 106 Resp: 28882

Ion Ratio Lower Upper

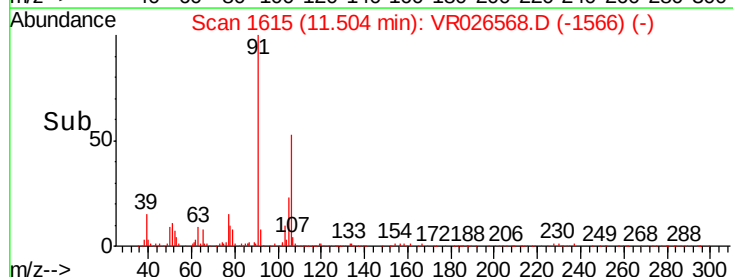
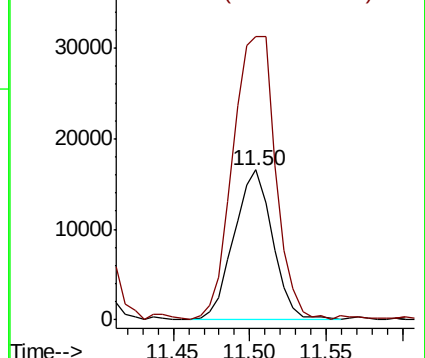
106 100

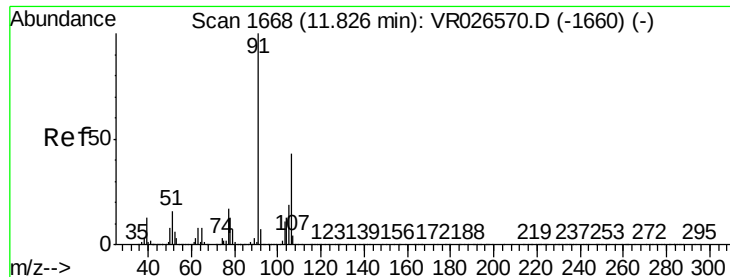
91 188.6 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

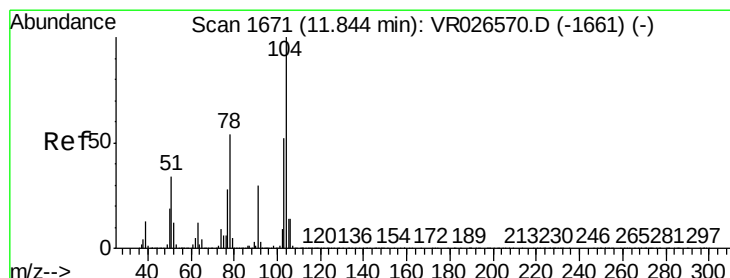
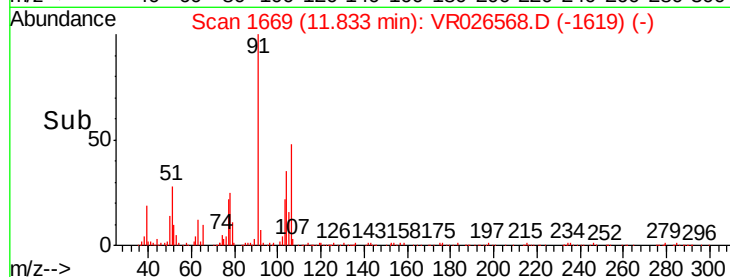
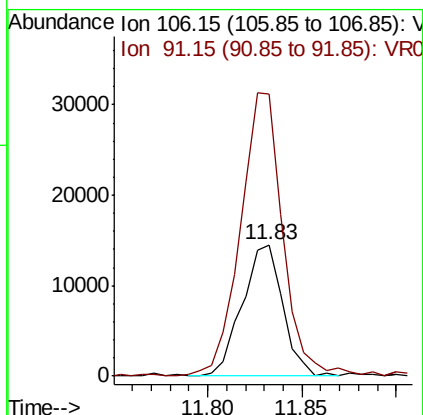
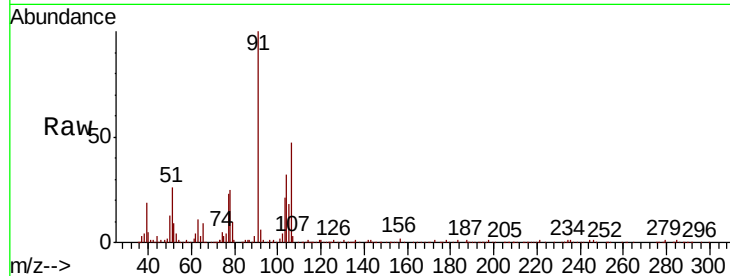




#54
o-Xylene
Concen: 0.315 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

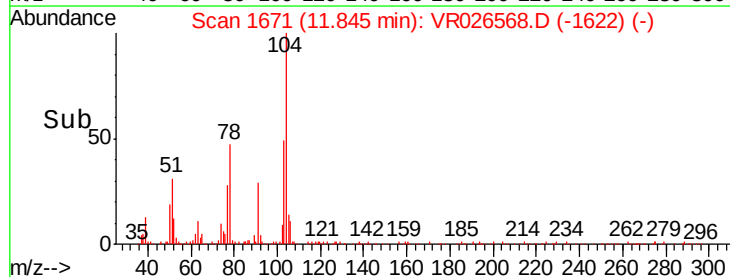
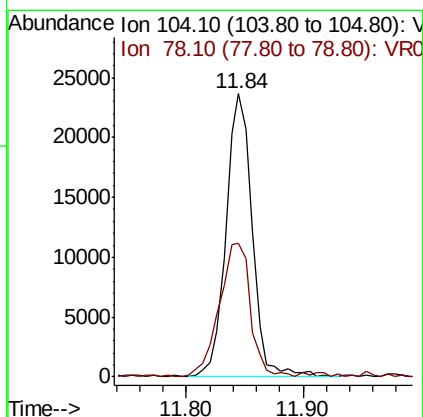
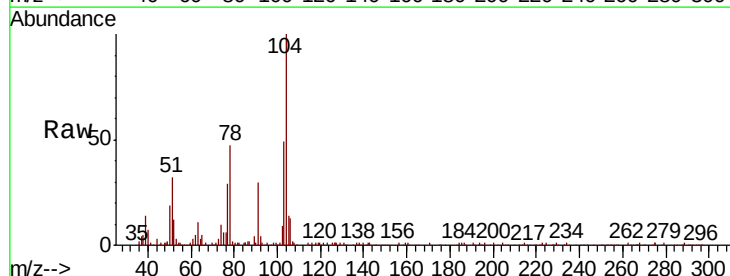
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.583

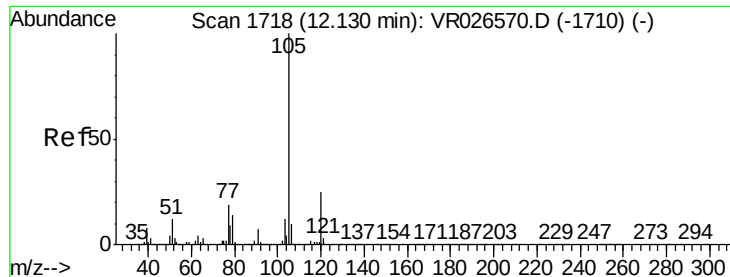
Tot Ion:106 Resp: 21626
Ion Ratio Lower Upper
106 100
91 214.9 161.0 299.0



#55
Styrene
Concen: 0.340 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026568.D
Acq: 11 Apr 2019 10:18

Tgt Ion:104 Resp: 36883
Ion Ratio Lower Upper
104 100
78 47.2 37.5 69.7





#56

Isopropylbenzene

Concen: 0.315 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampled :

VSTD0.583

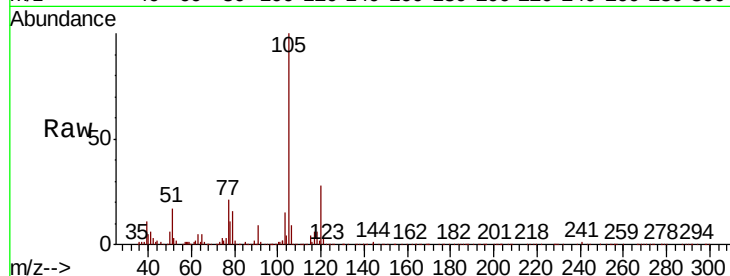
Tot Ion:105 Resp: 61050

Ion Ratio Lower Upper

105 100

120 26.9 20.6 31.0

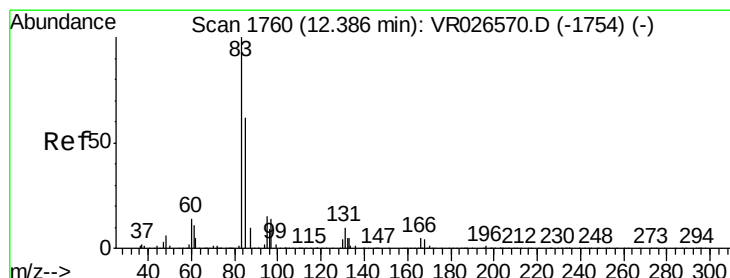
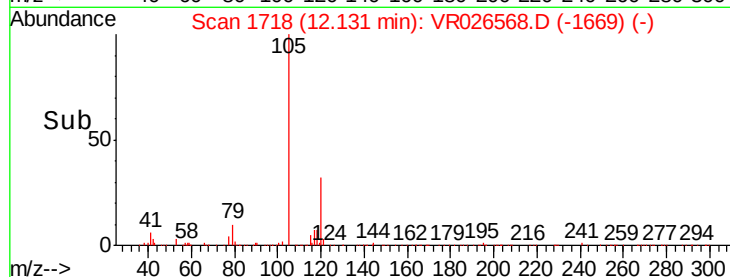
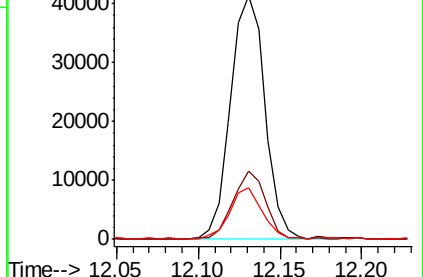
77 20.2 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.510 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

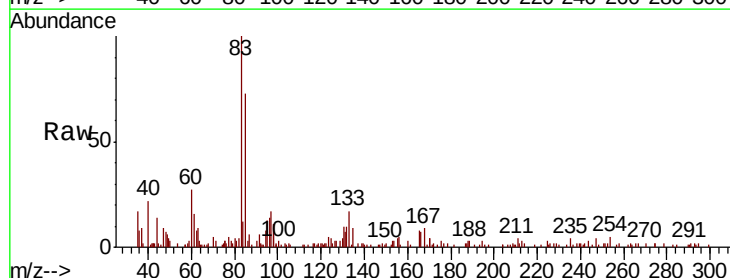
Tgt Ion: 83 Resp: 8200

Ion Ratio Lower Upper

83 100

85 73.0 44.3 82.3

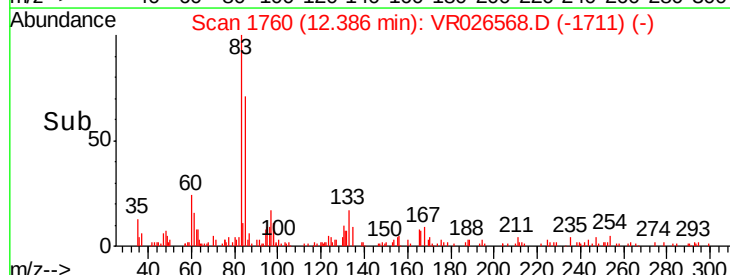
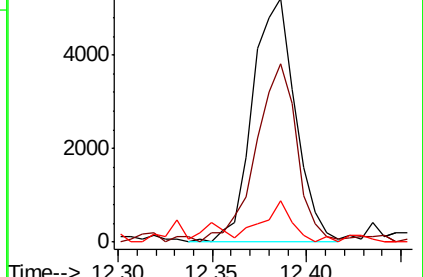
131 16.9 8.9 13.3#

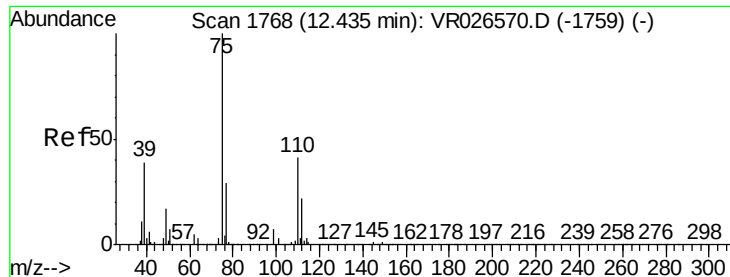


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.519 ug/L

RT: 12.43 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

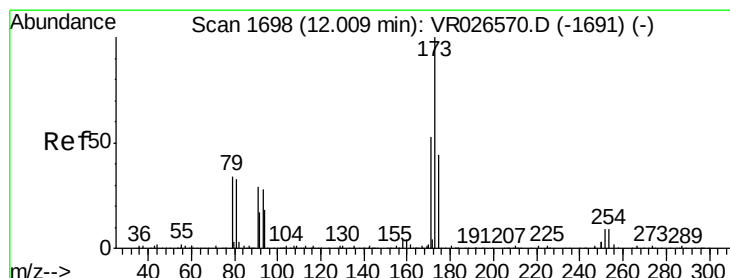
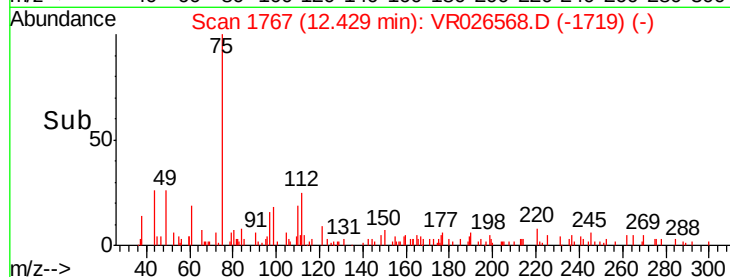
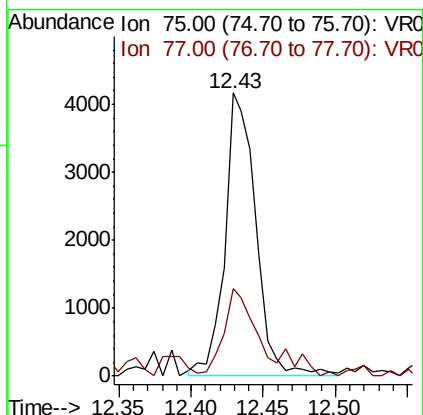
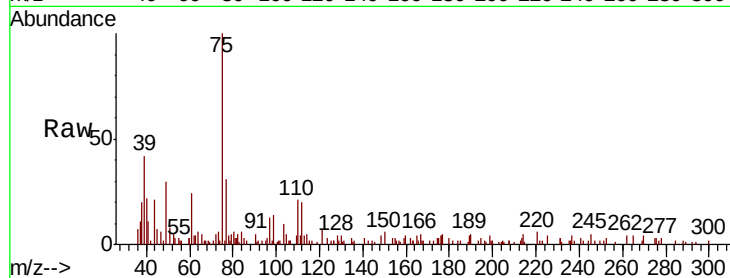
VSTD0.583

Tot Ion: 75 Resp: 6305

Ion Ratio Lower Upper

75 100

77 28.2 25.2 37.8



#61

Bromoform

Concen: 0.516 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

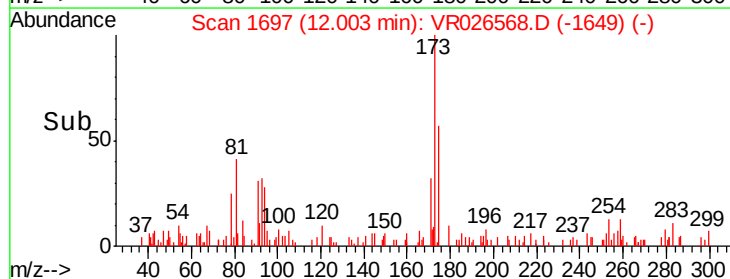
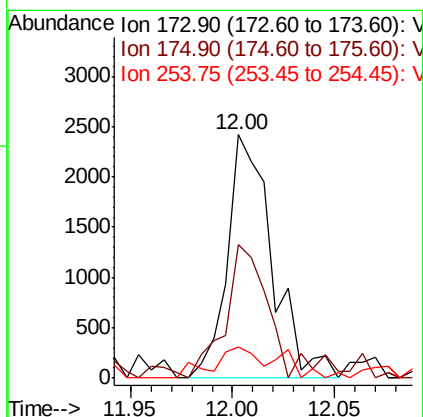
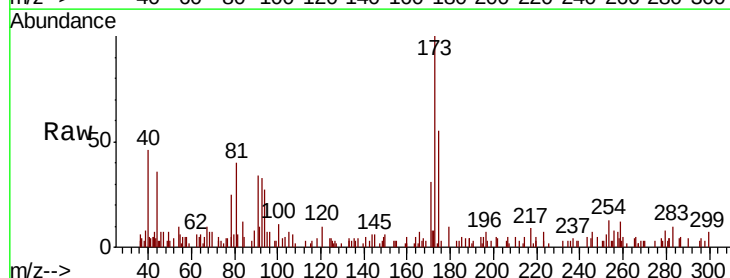
Tgt Ion: 173 Resp: 3668

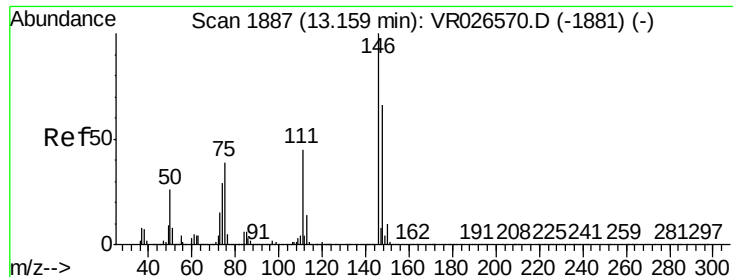
Ion Ratio Lower Upper

173 100

175 56.1 39.1 58.7

254 12.5 8.3 12.5#





#62

1,3-Dichlorobenzene

Concen: 0.450 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

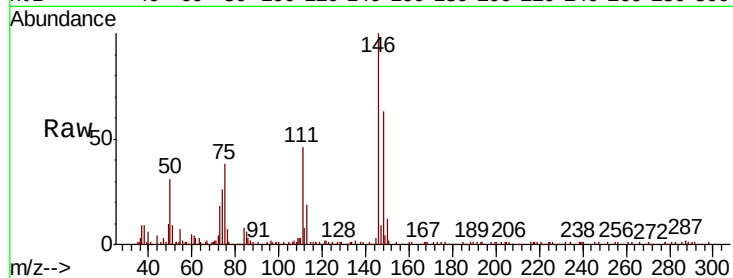
Tot Ion:146 Resp: 22975

Ion Ratio Lower Upper

146 100

111 46.3 31.4 58.2

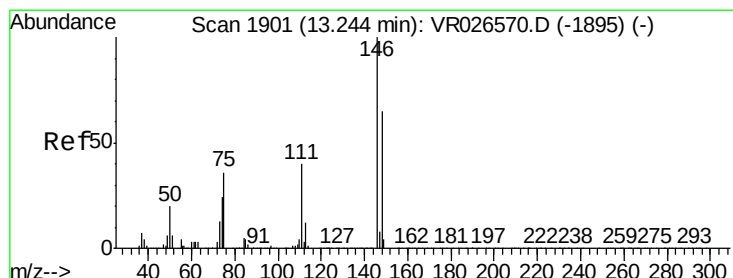
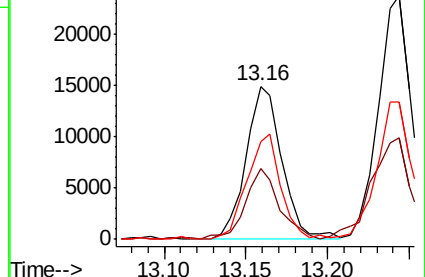
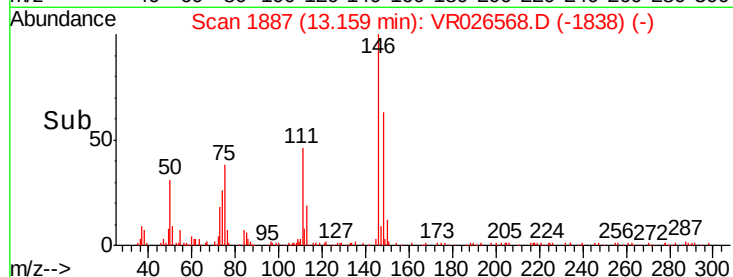
148 63.5 46.5 86.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.589 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

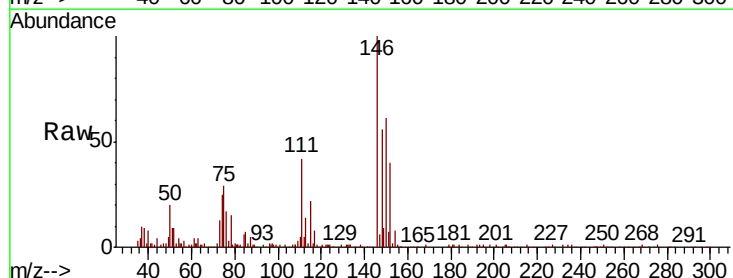
Tgt Ion:146 Resp: 34252

Ion Ratio Lower Upper

146 100

111 41.5 28.4 52.8

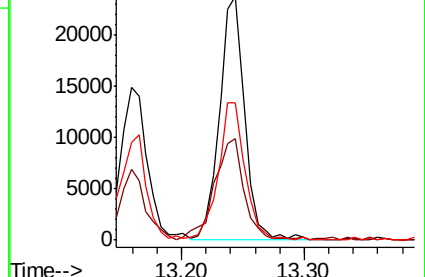
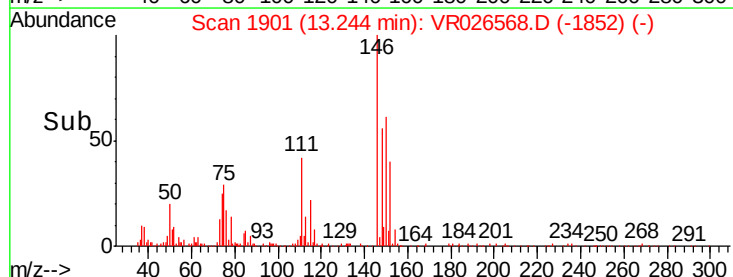
148 56.4 45.4 84.4

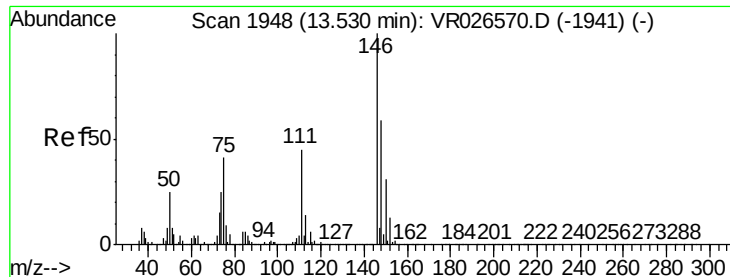


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

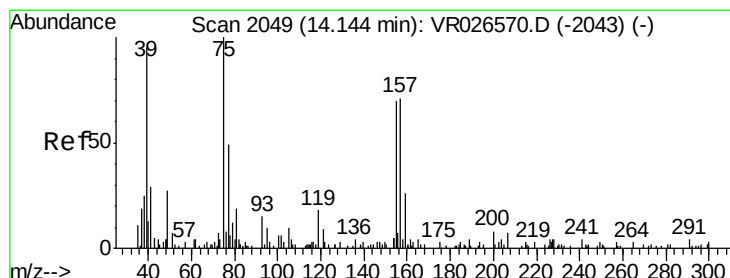
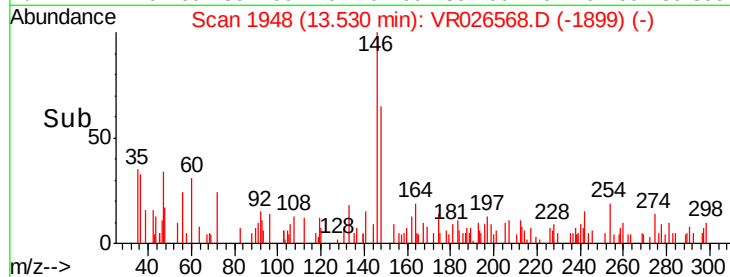
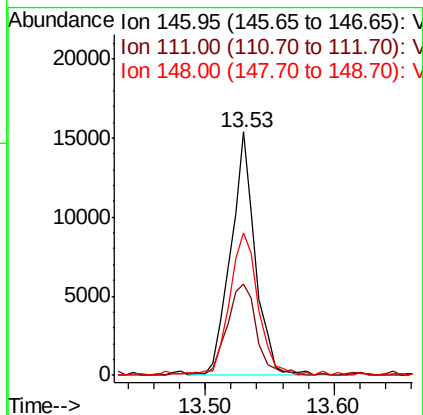
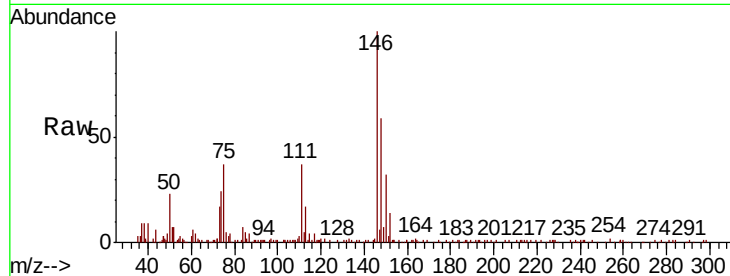




#65
 1,2-Dichlorobenzene
 Concen: 0.475 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

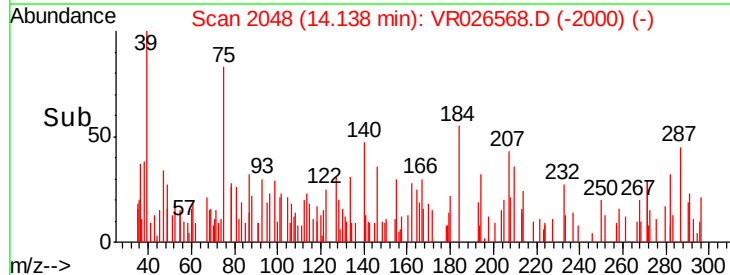
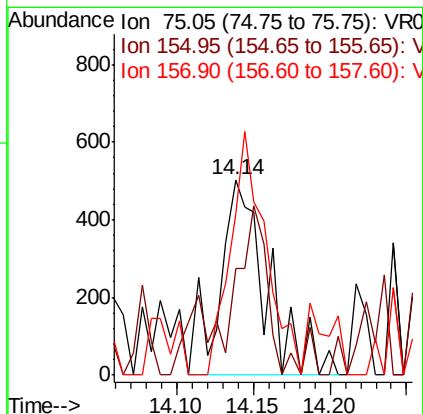
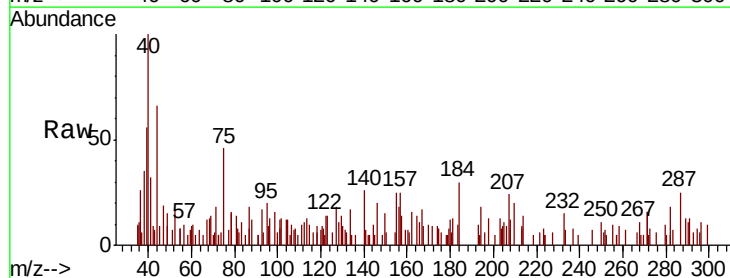
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

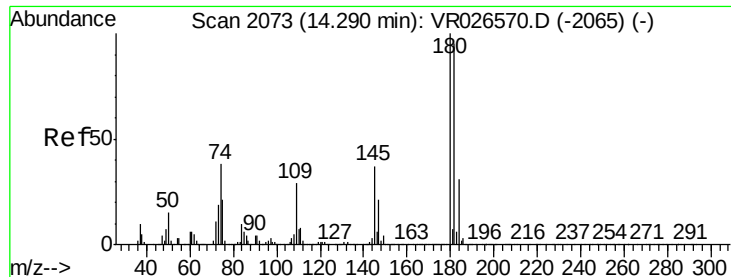
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	35.8	53.8
148	58.7	47.4	71.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.660 ug/L
 RT: 14.14 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	54.3	57.2	85.8#
157	83.1	56.7	85.1

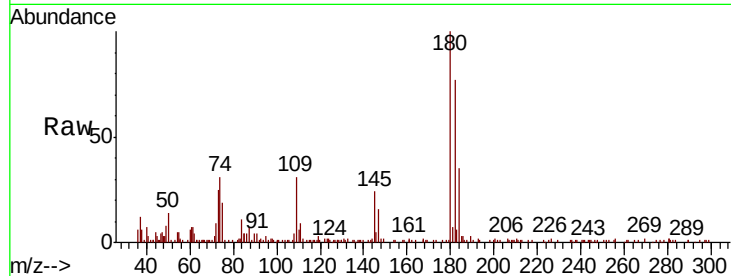




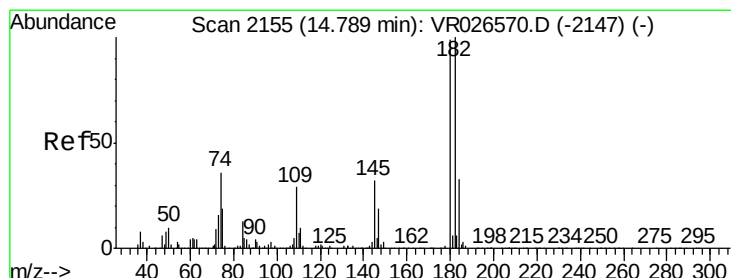
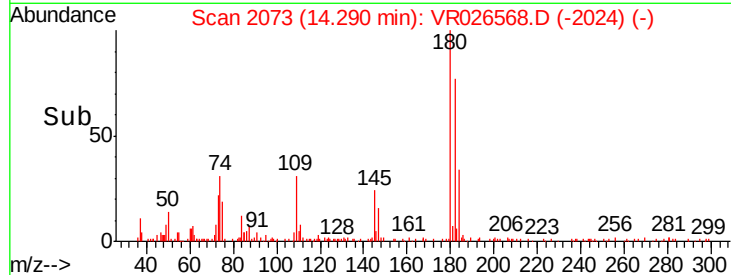
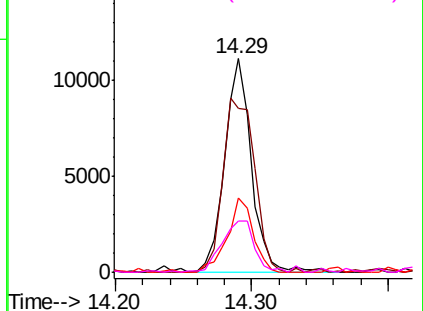
#67
 1,3,5-Trichlorobenzene
 Concen: 0.453 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

Tot Ion:	180	Resp:	15220
Ion	Ratio	Lower	Upper
180	100		
182	95.6	74.4	111.6
184	33.7	24.6	37.0
145	29.1	26.2	39.4

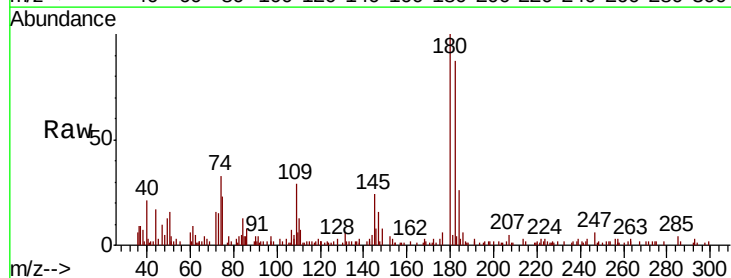


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

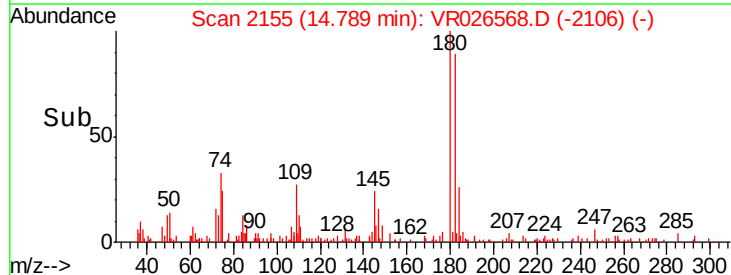
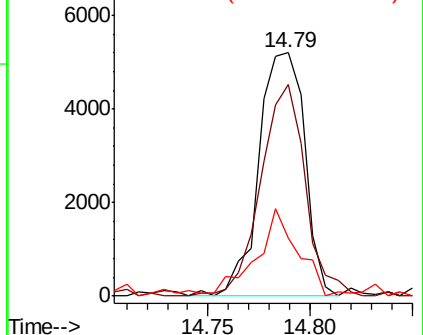


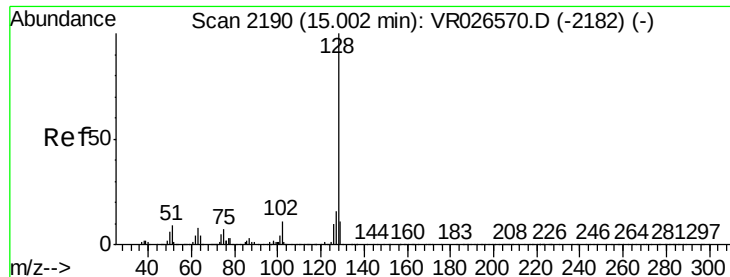
#68
 1,2,4-trichlorobenzene
 Concen: 0.442 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026568.D
 Acq: 11 Apr 2019 10:18

Tgt Ion:	180	Resp:	8190
Ion	Ratio	Lower	Upper
180	100		
182	84.1	76.0	114.0
145	30.7	26.1	39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.311 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.583

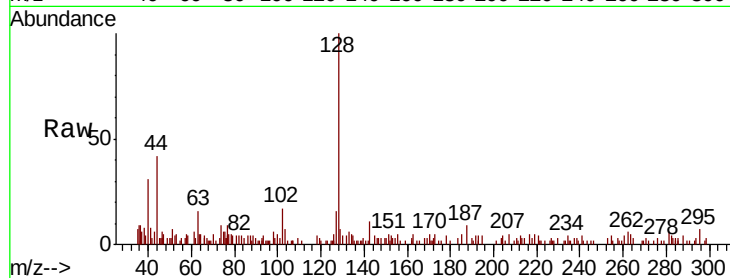
Tot Ion:128 Resp: 5357

Ion Ratio Lower Upper

128 100

127 16.4 11.8 17.6

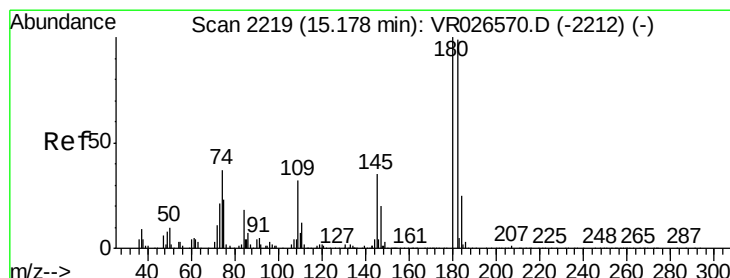
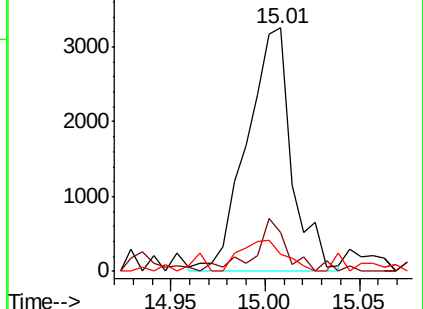
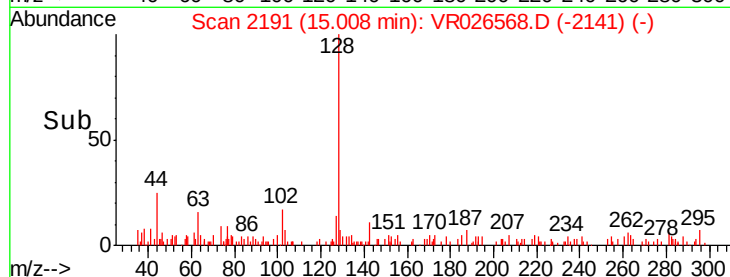
129 12.7 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.385 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026568.D

Acq: 11 Apr 2019 10:18

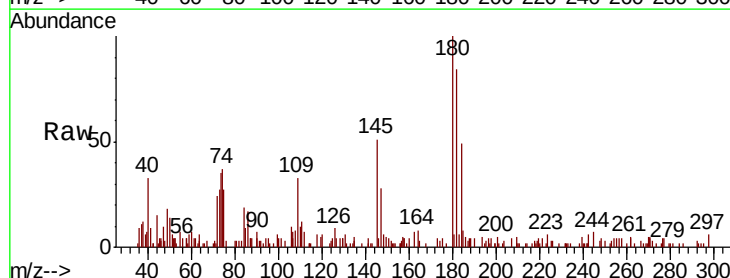
Tgt Ion:180 Resp: 5043

Ion Ratio Lower Upper

180 100

182 108.6 74.8 112.2

145 42.5 27.6 41.4#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

