

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040919\
 Data File : VR026566.D
 Acq On : 10 Apr 2019 22:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

Quant Time: Apr 11 04:24:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 11 04:17:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	607167	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	509954	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	212672	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	164681	3.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.40%
7) Chloroethane-d5	2.62	69	151476	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	3.62	63	500887	4.20	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	6.58	46	177675	43.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.40%
24) Chloroform-d	7.20	84	378022	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	7.89	65	156442	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	7.85	84	688534	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	8.89	67	179591	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	9.96	98	660842	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	10.24	79	40549	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	10.59	63	162191	54.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.04%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78545	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	137932	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	256242	4.118	ug/L	99
3) Chloromethane	2.01	50	283786	4.324	ug/L	95
5) Vinyl chloride	2.16	62	294124	4.560	ug/L	98
6) Bromomethane	2.52	94	169510	4.495	ug/L	91
8) Chloroethane	2.65	64	170819	4.671	ug/L	97
9) Trichlorofluoromethane	2.93	101	444369	4.977	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	224710	4.561	ug/L	98
12) 1,1-Dichloroethene	3.63	96	249639	4.636	ug/L	97
13) Acetone	3.70	43	189563	45.607	ug/L	99
14) Carbon disulfide	3.93	76	662739	4.240	ug/L	100
15) Methyl Acetate	4.19	43	50085	4.466	ug/L	97
16) Methylene chloride	4.41	84	214839	4.488	ug/L	89
17) Methyl tert-butyl Ether	4.90	73	220647	3.603	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	224439	4.418	ug/L	92
19) 1,1-Dichloroethane	5.69	63	401534	4.253	ug/L	97
21) 2-Butanone	6.69	43	263693	49.343	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	203177	4.808	ug/L	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

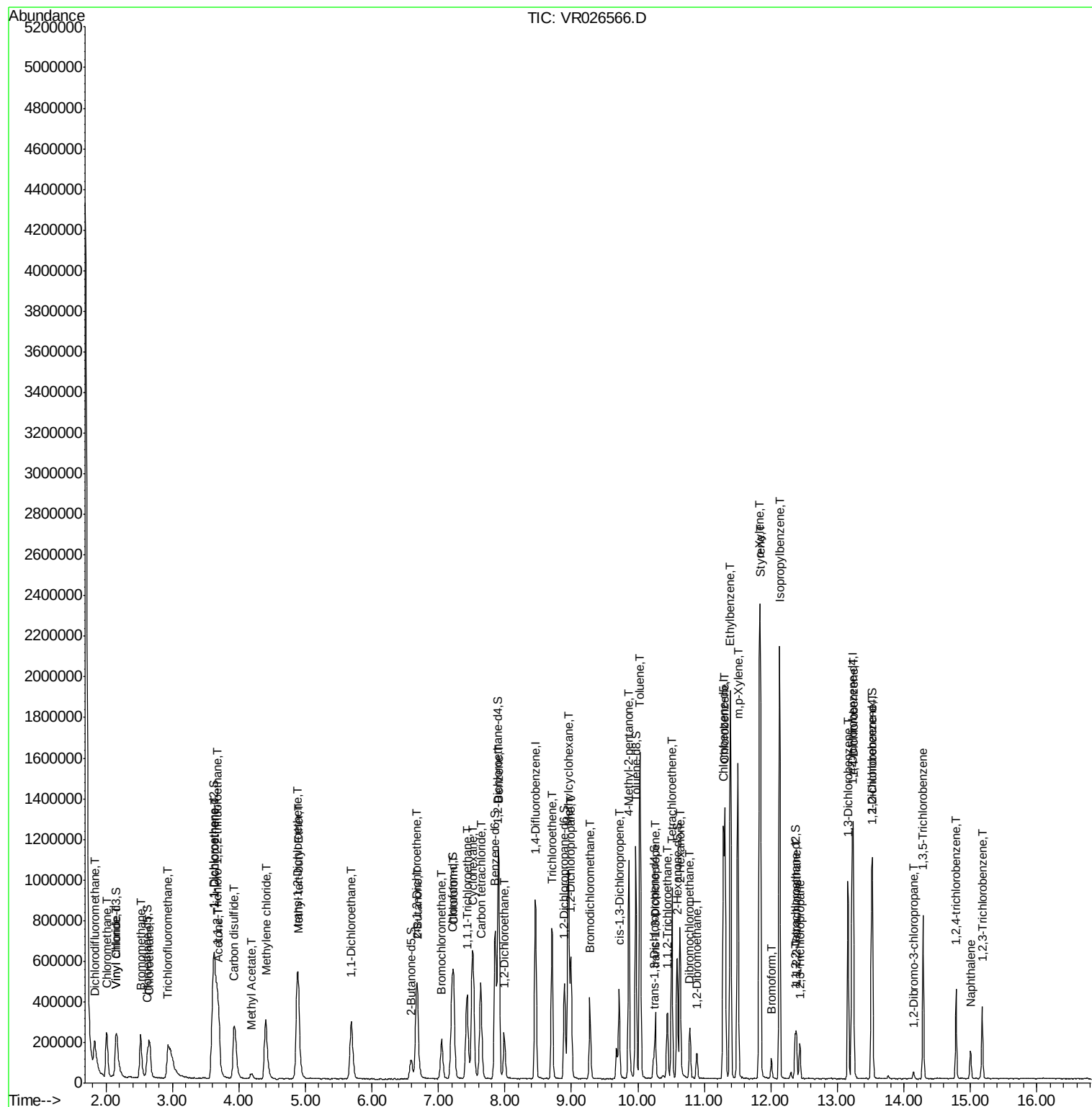
23) Bromochloromethane	7.04	128	59889	4.548	ug/L	92
25) Chloroform	7.23	83	404551	4.479	ug/L	97
27) 1,2-Dichloroethane	7.99	62	199496	4.429	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	340737	4.048	ug/L	97
30) Cyclohexane	7.52	56	358022	4.578	ug/L	98
31) Carbon tetrachloride	7.63	117	347781	4.362	ug/L	98
33) Benzene	7.90	78	916869	4.601	ug/L	100
34) Trichloroethene	8.71	95	232990	4.365	ug/L	94
35) Methylcyclohexane	8.95	83	351773	4.621	ug/L	96
37) 1,2-Dichloropropane	8.99	63	187381	4.290	ug/L	98
38) Bromodichloromethane	9.28	83	220253	4.364	ug/L #	99
39) cis-1,3-Dichloropropene	9.72	75	207798	4.383	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	659830	51.560	ug/L	100
42) Toluene	10.03	91	984881	4.822	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	140203	4.054	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	84226	4.767	ug/L	95
47) Tetrachloroethene	10.51	164	168374	4.432	ug/L	98
48) 2-Hexanone	10.63	43	446926	52.505	ug/L	99
49) Dibromochloromethane	10.78	129	105909	4.576	ug/L	98
50) 1,2-Dibromoethane	10.88	107	68447	4.504	ug/L #	94
51) Chlorobenzene	11.31	112	525222	4.583	ug/L	99
52) Ethylbenzene	11.39	91	1125843	4.785	ug/L	99
53) m,p-Xylene	11.50	106	406369	4.819	ug/L	98
54) o-Xylene	11.83	106	369524	4.987	ug/L	99
55) Styrene	11.84	104	586067	5.010	ug/L	98
56) Isopropylbenzene	12.13	105	1059541	5.038	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	83123	4.845	ug/L #	99
59) 1,2,3-Trichloropropane	12.43	75	58878	4.474	ug/L	95
61) Bromoform	12.01	173	36684	3.866	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	293788	4.310	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	338225	4.420	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	261805	4.630	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8131	3.741	ug/L	94
67) 1,3,5-Trichlorobenzene	14.29	180	186536	4.188	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	102502	4.141	ug/L	98
69) Naphthalene	15.00	128	89682	3.853	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	84439	4.922	ug/L	98

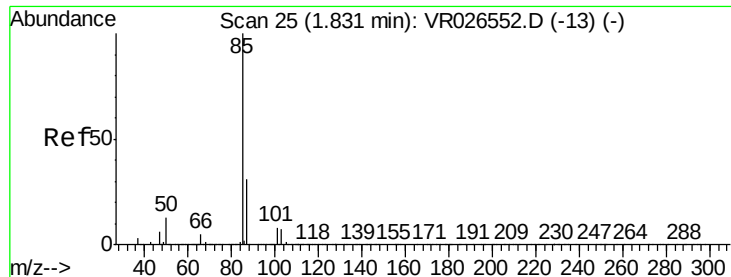
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.118 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

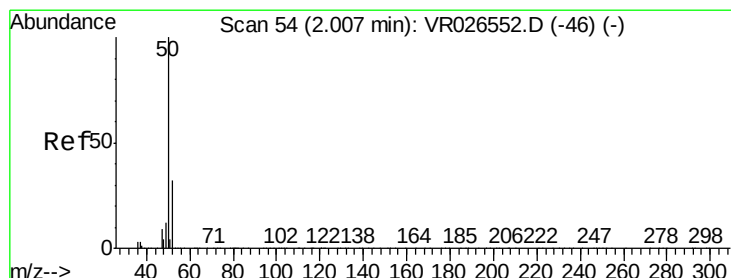
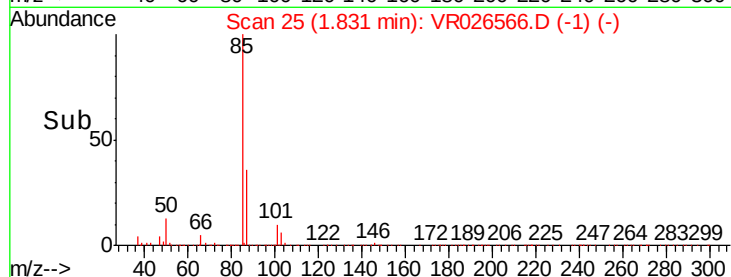
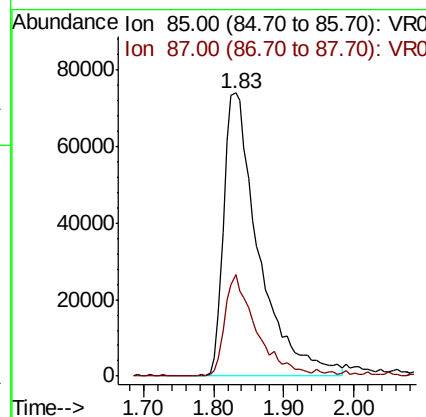
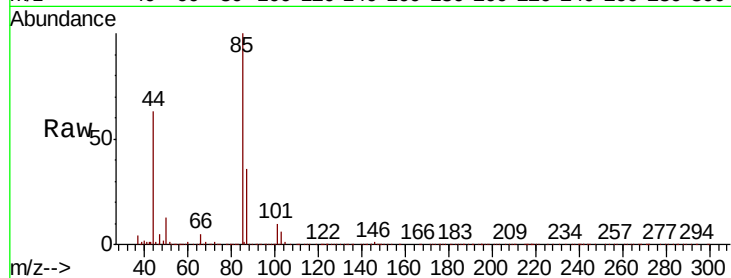
VSTD00569

Tot Ion: 85 Resp: 256242

Ion Ratio Lower Upper

85 100

87 32.2 25.5 38.3



#3

Chloromethane

Concen: 4.324 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR026566.D

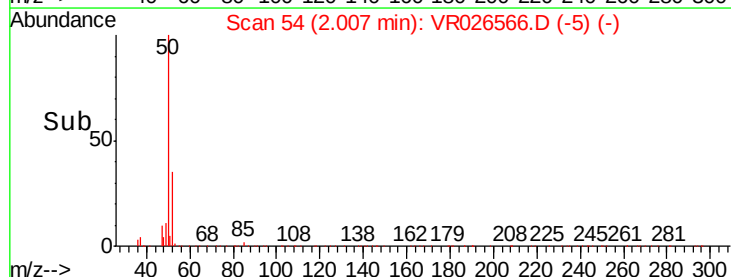
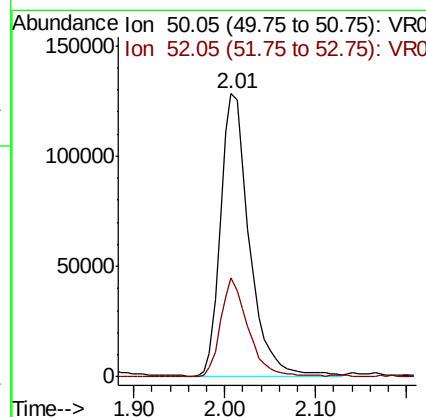
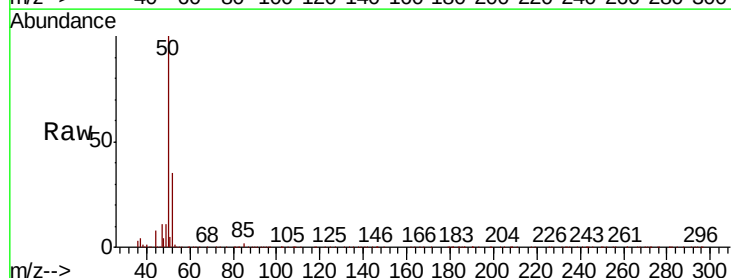
Acq: 10 Apr 2019 22:36

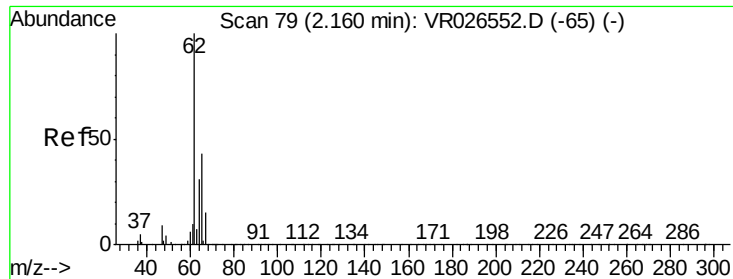
Tgt Ion: 50 Resp: 283786

Ion Ratio Lower Upper

50 100

52 35.1 22.5 41.9





#5

Vinyl chloride

Concen: 4.560 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

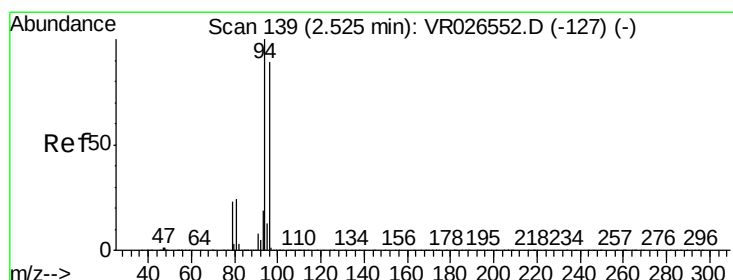
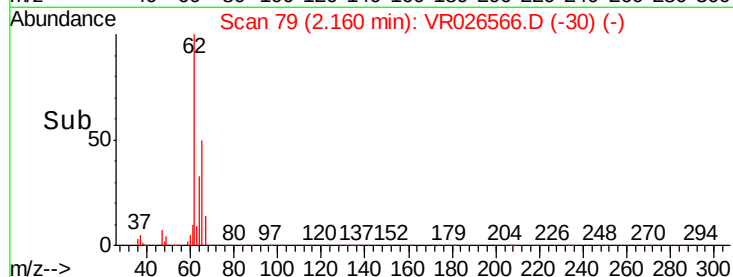
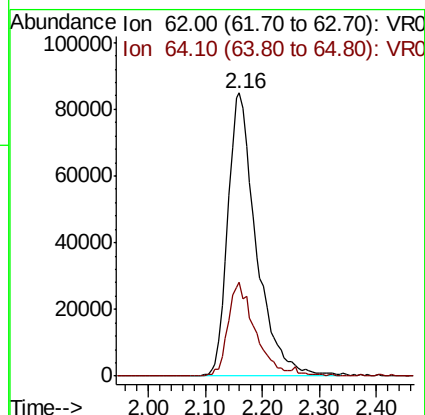
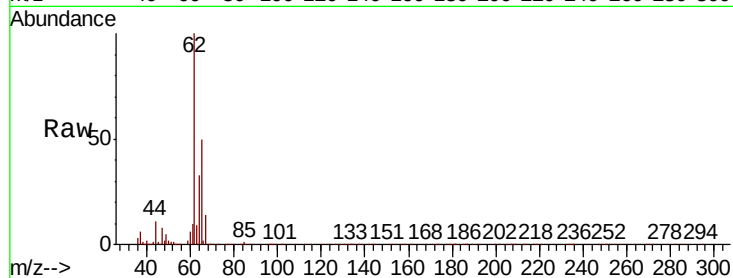
VSTD00569

Tot Ion: 62 Resp: 294124

Ion Ratio Lower Upper

62 100

64 33.1 22.3 41.5



#6

Bromomethane

Concen: 4.495 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR026566.D

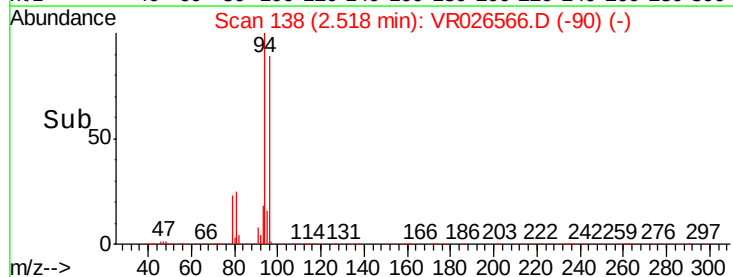
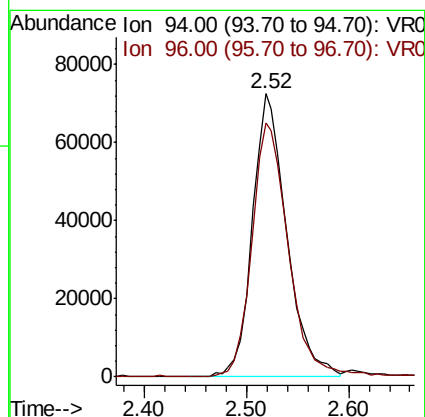
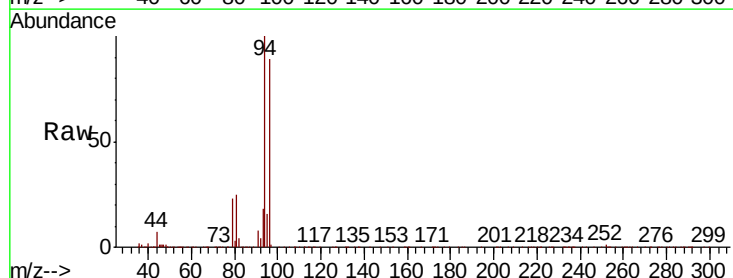
Acq: 10 Apr 2019 22:36

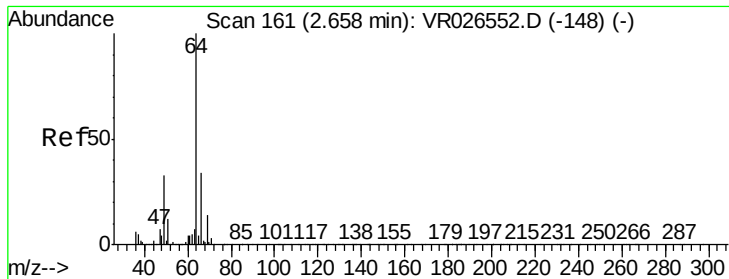
Tgt Ion: 94 Resp: 169510

Ion Ratio Lower Upper

94 100

96 89.5 69.1 128.3

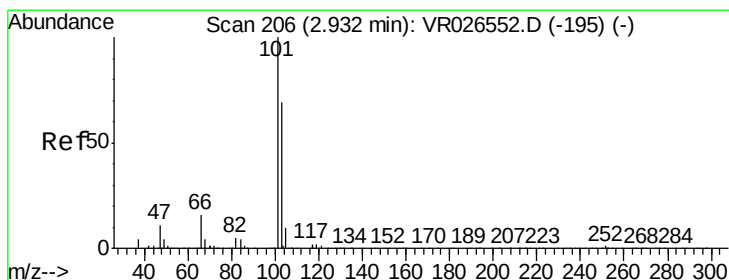
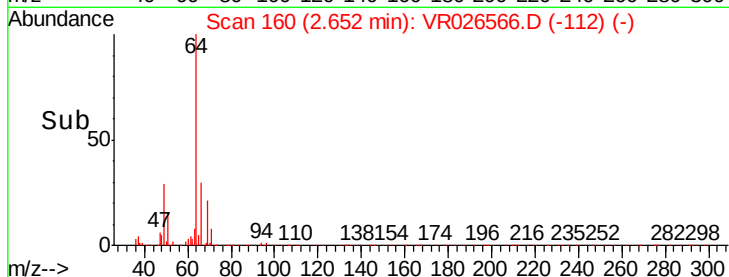
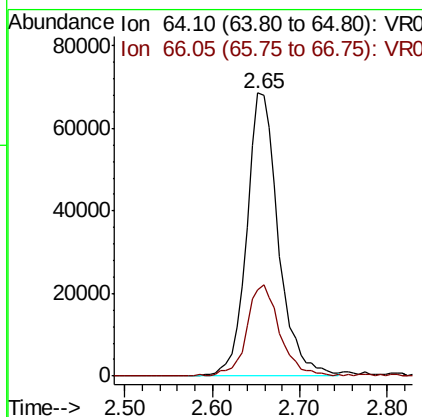
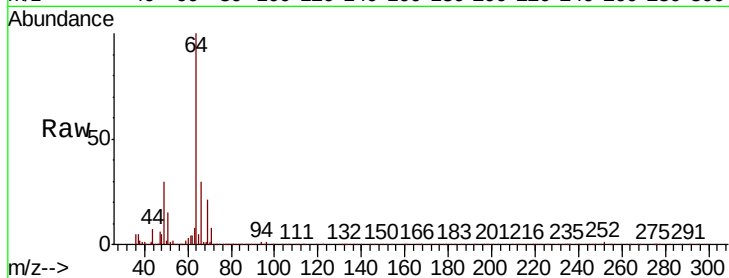




#8
Chloroethane
Concen: 4.671 ug/L
RT: 2.65 min Scan# 160
Delta R.T. -0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

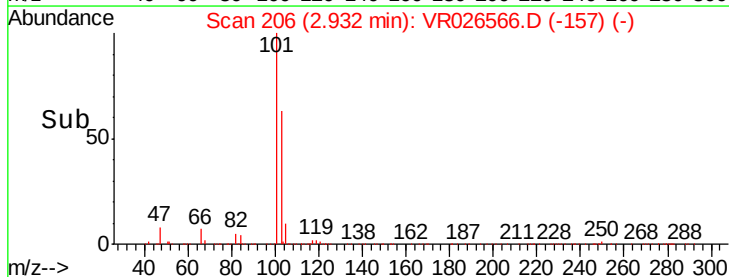
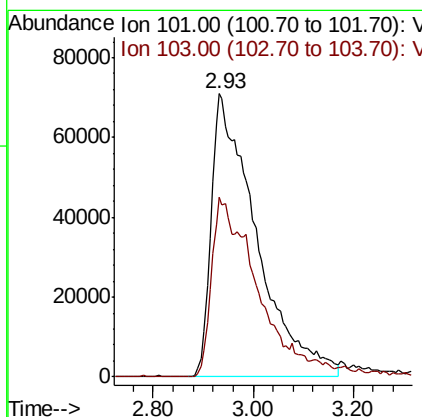
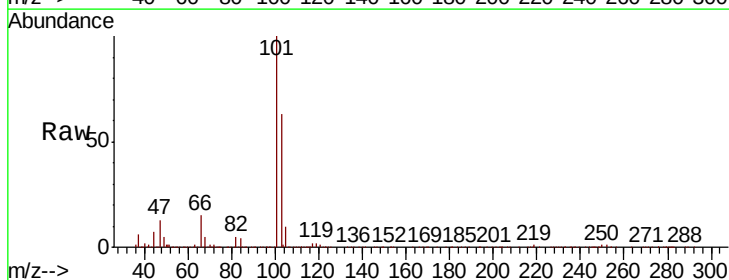
Instrument :
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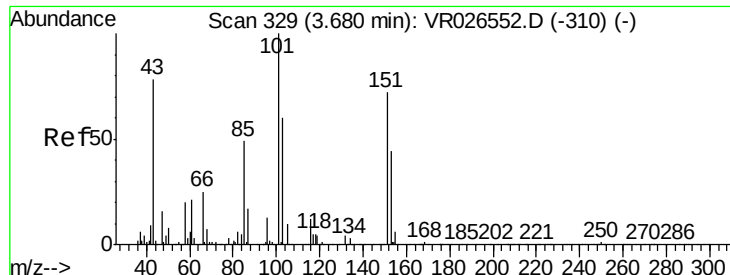
Tot Ion: 64 Resp: 170819
Ion Ratio Lower Upper
64 100
66 30.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.977 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion:101 Resp: 444369
Ion Ratio Lower Upper
101 100
103 62.3 48.2 72.2





#10

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

Concen: 4.561 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00569

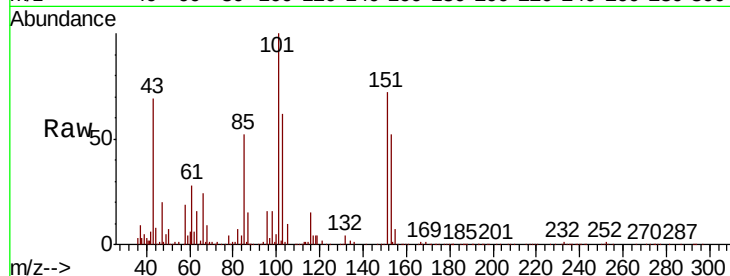
Tot Ion:101 Resp: 224710

Ion Ratio Lower Upper

101 100

85 51.4 39.2 58.8

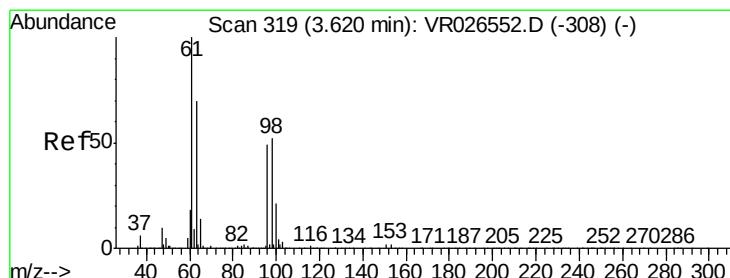
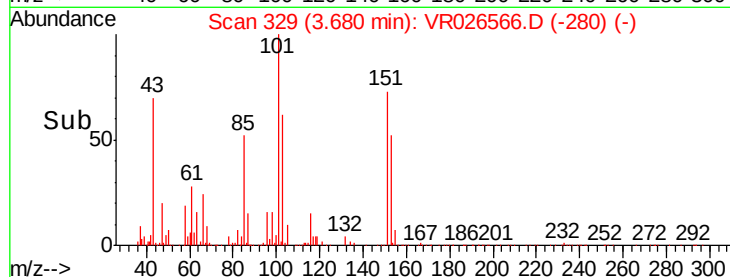
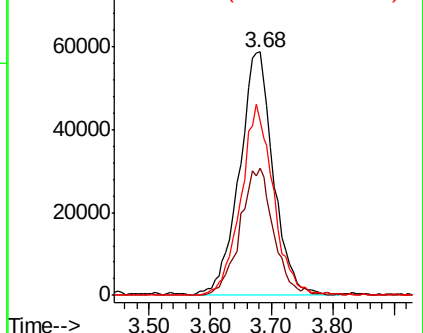
151 75.8 59.7 89.5



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: 4.636 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

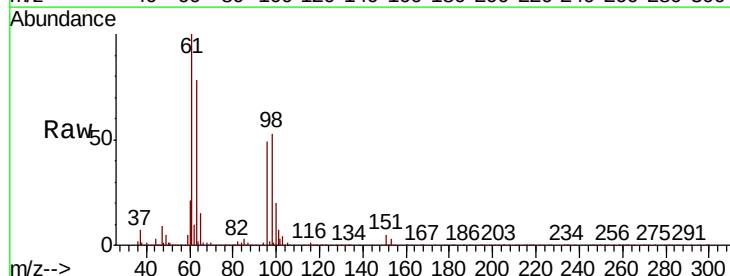
Tgt Ion: 96 Resp: 249639

Ion Ratio Lower Upper

96 100

61 206.0 142.7 264.9

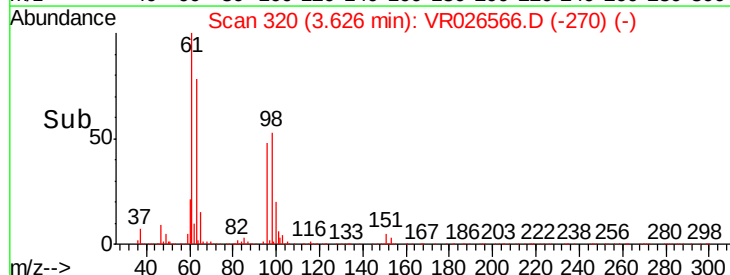
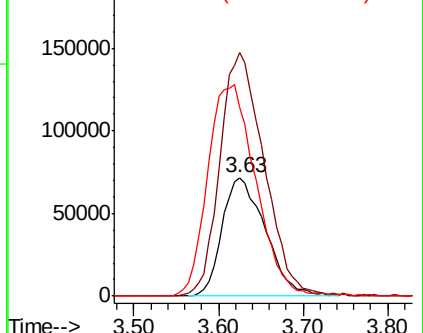
63 159.8 116.9 217.1

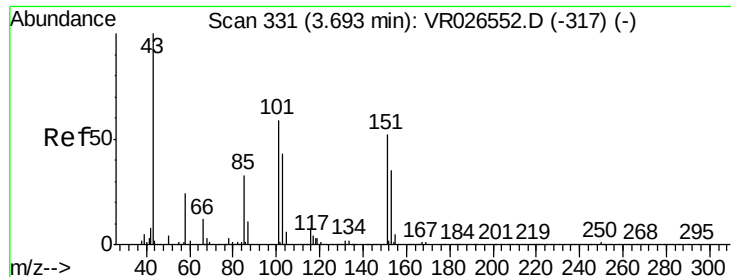


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.607 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

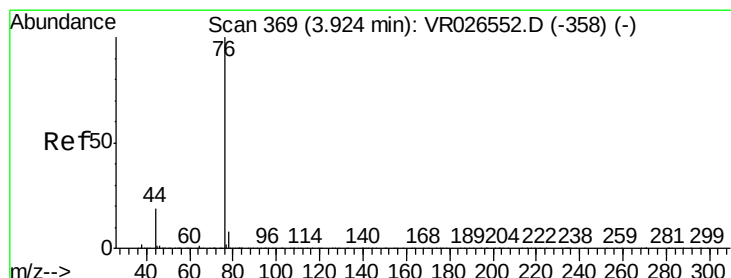
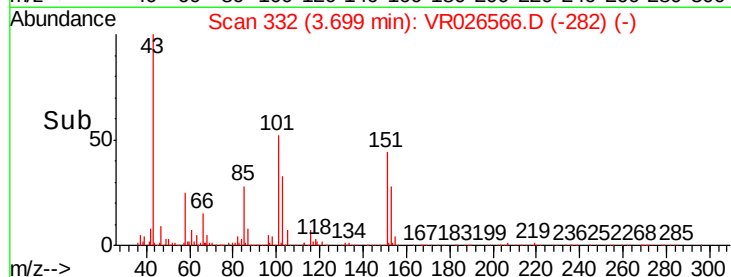
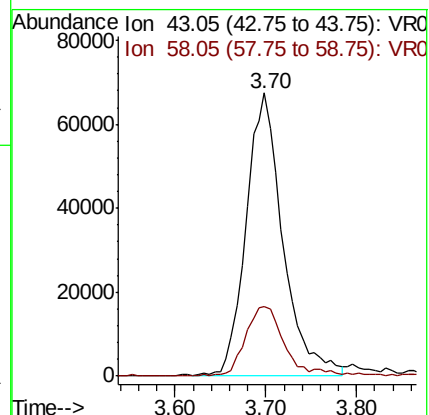
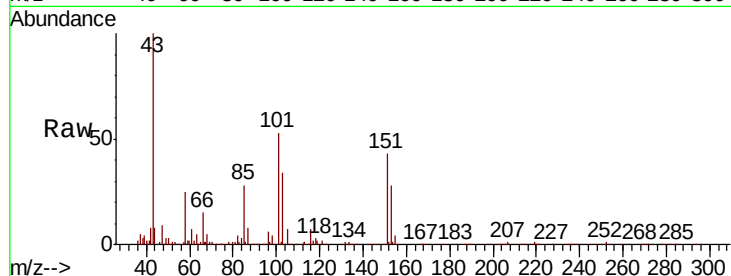
Instrument :
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ClientSampleId :
VSTD00569

Tot Ion: 43 Resp: 189563

Ion Ratio Lower Upper

43 100

58 26.3 0.0 53.8



#14

Carbon disulfide

Concen: 4.240 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.01 min

Lab File: VR026566.D

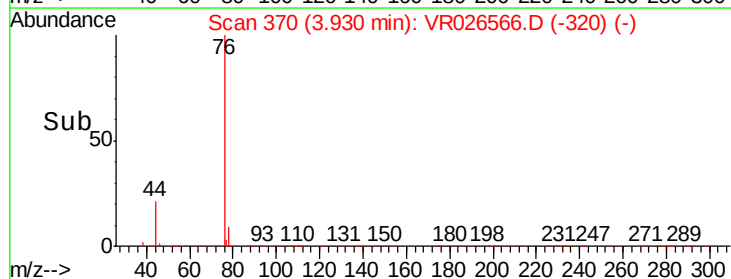
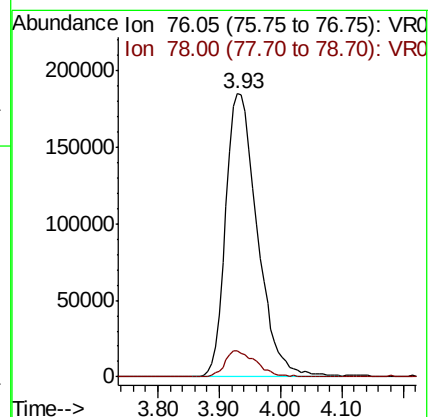
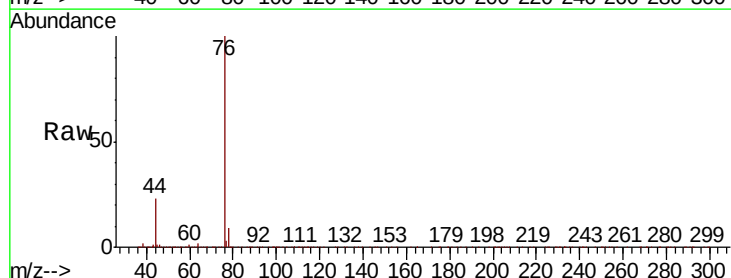
Acq: 10 Apr 2019 22:36

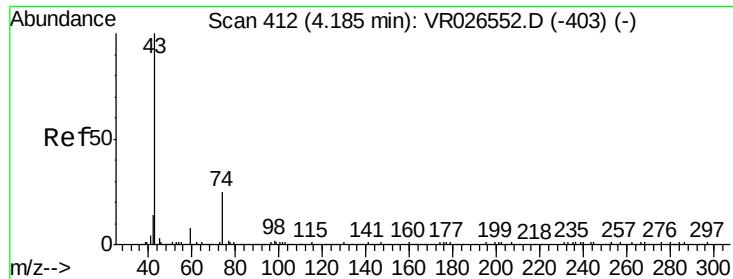
Tgt Ion: 76 Resp: 662739

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5

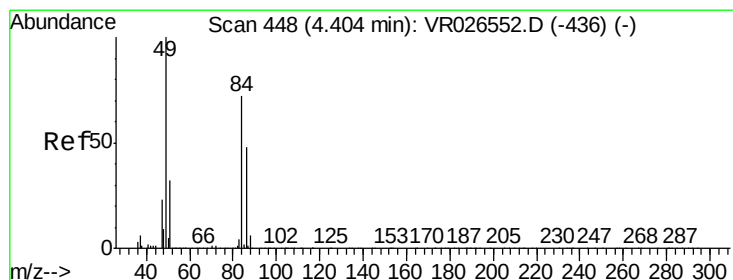
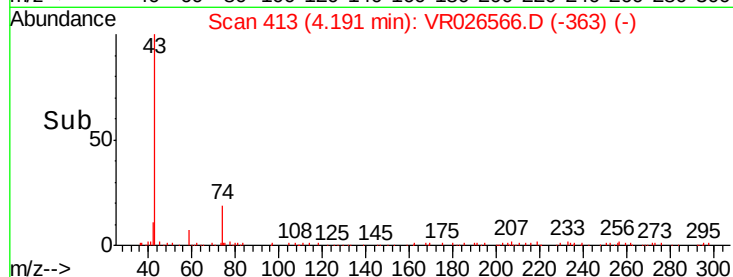
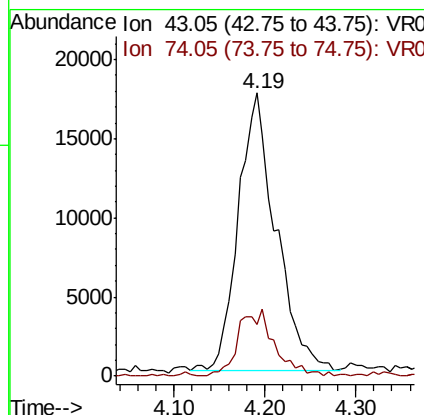
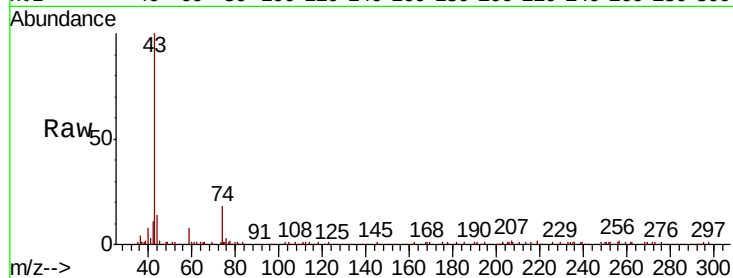




#15
Methyl Acetate
Concen: 4.466 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

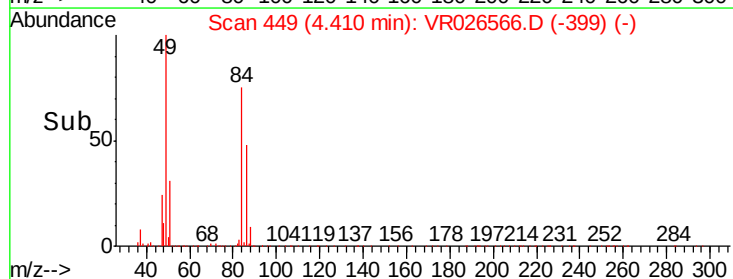
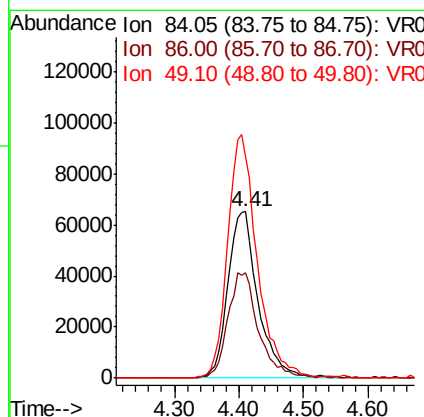
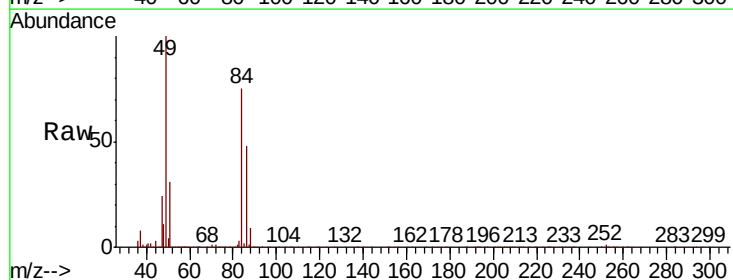
Instrument :
MSVOA_R
ClientSampleId :
VSTD00569

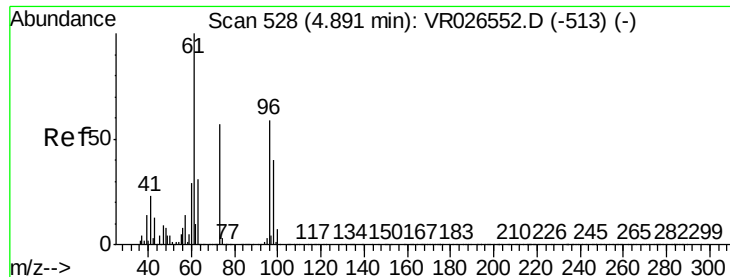
Tot Ion: 43 Resp: 50085
Ion Ratio Lower Upper
43 100
74 23.5 17.5 26.3



#16
Methylene chloride
Concen: 4.488 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion: 84 Resp: 214839
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.6
49 132.9 106.5 197.9

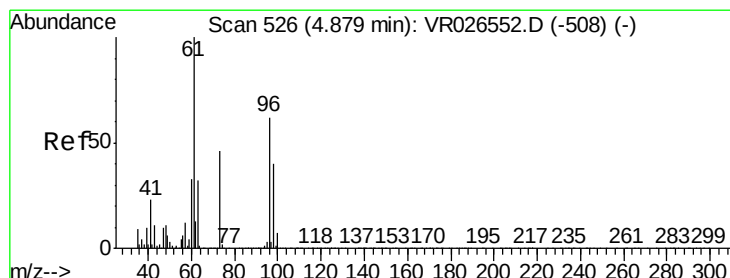
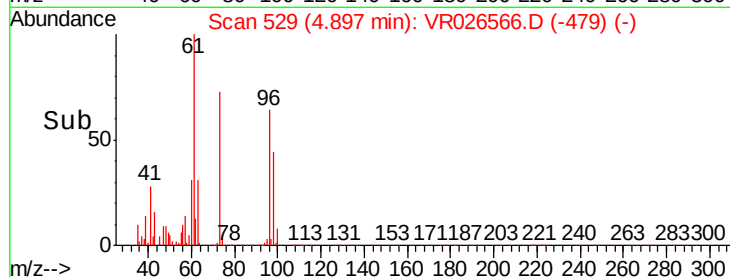
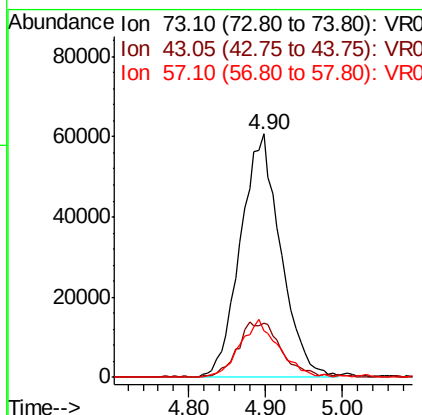
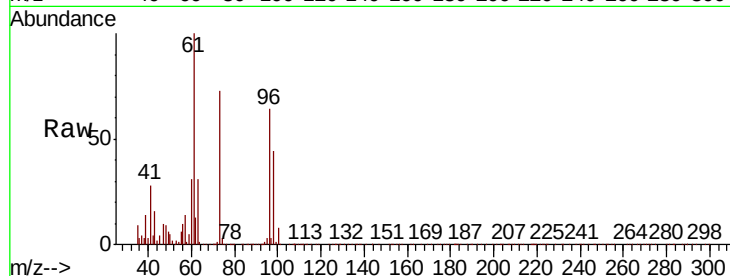




#17
Methyl tert-butyl Ether
Concen: 3.603 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

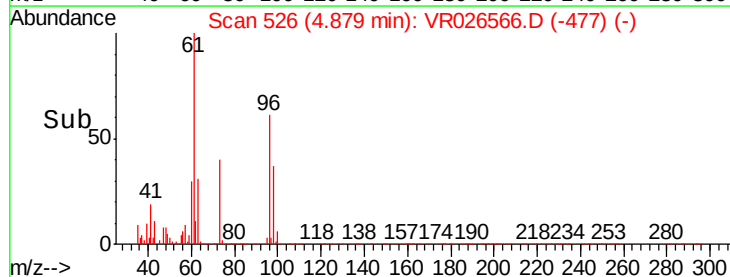
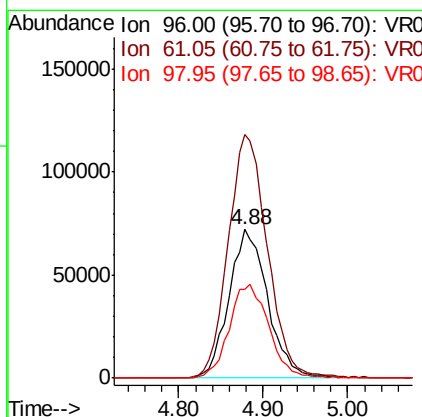
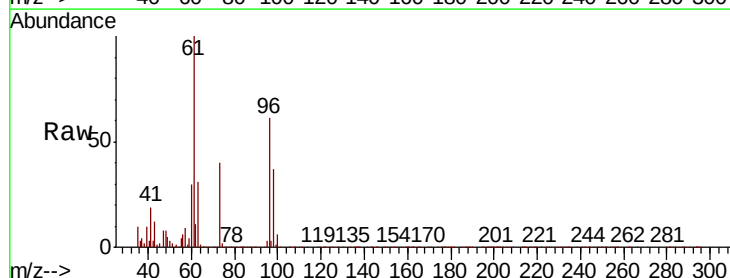
Instrument :
MSVOA_R
ClientSampleId :
VSTD00569

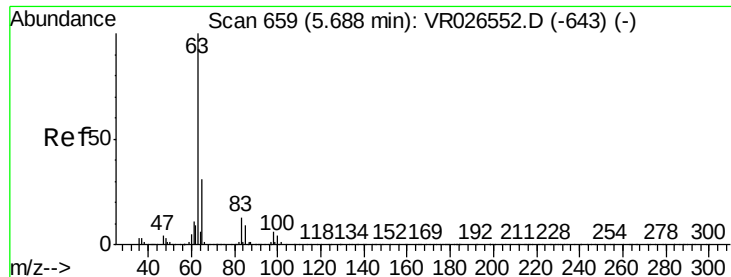
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.3	19.8	29.8
57	22.6	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 4.418 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	122.9	228.3
98	60.1	45.2	84.0

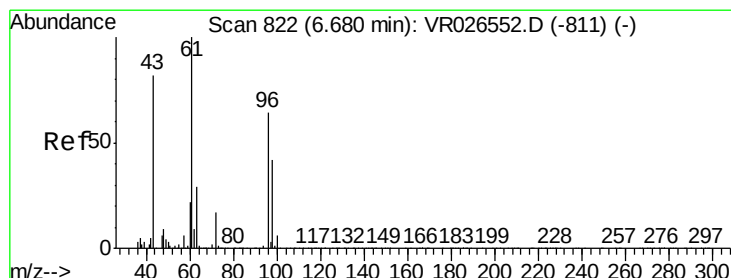
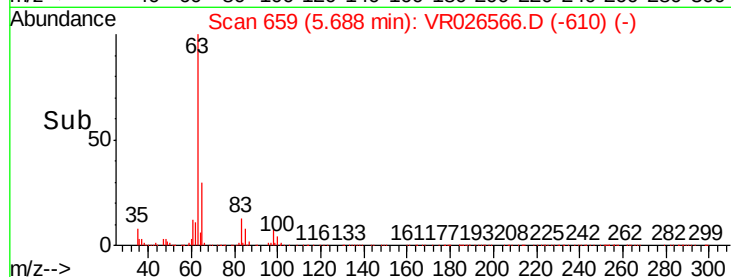
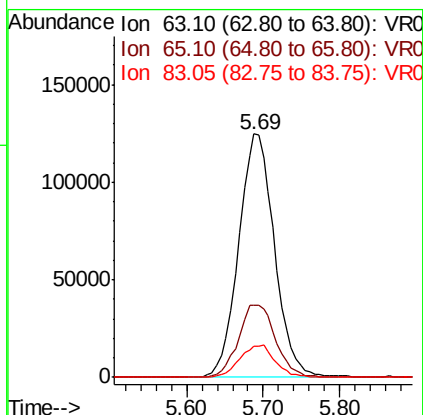
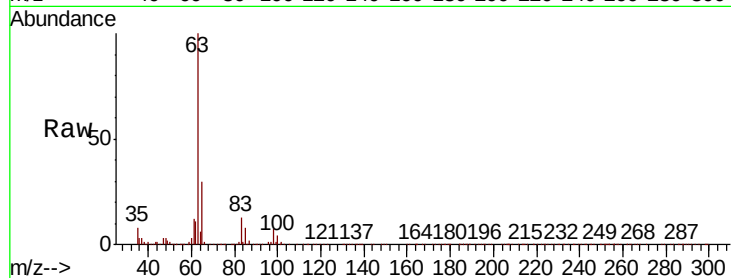




#19
 1,1-Dichloroethane
 Concen: 4.253 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

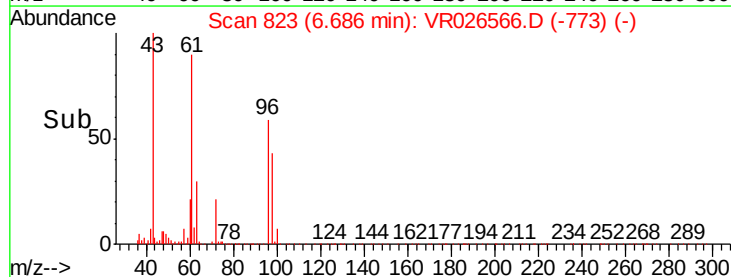
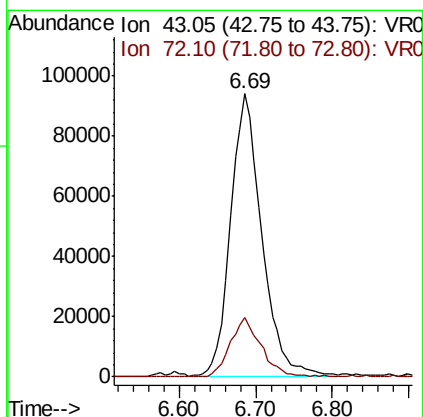
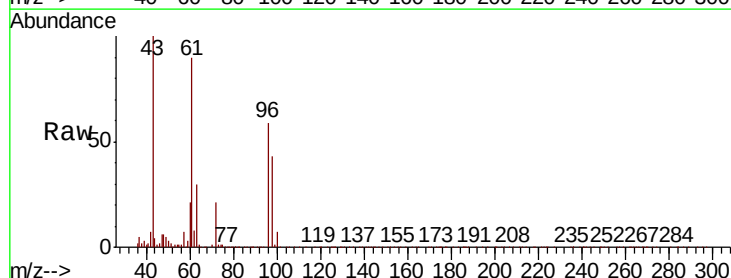
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

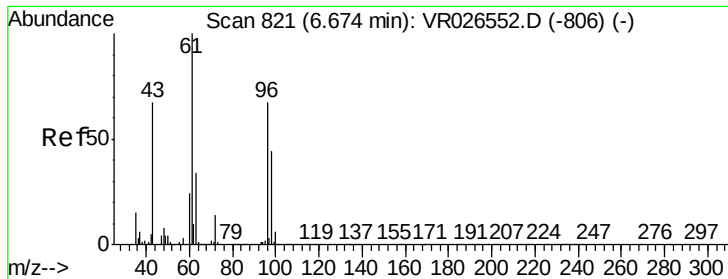
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	22.0	40.8
83	12.9	8.2	15.2



#21
 2-Butanone
 Concen: 49.343 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	11.1	33.3



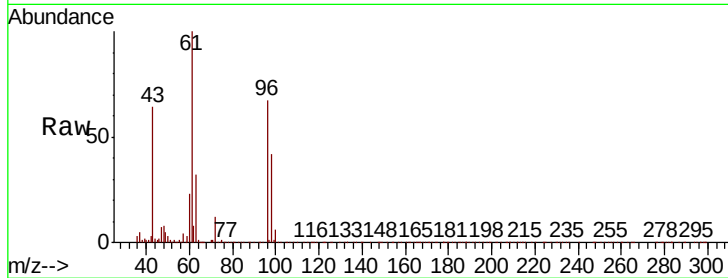


#22

cis-1,2-Dichloroethene
Concen: 4.808 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Instrument :
MSVOA_R
ClientSampled :
VSTD00569

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	115.0	213.6
68	0.0	0.0	0.0

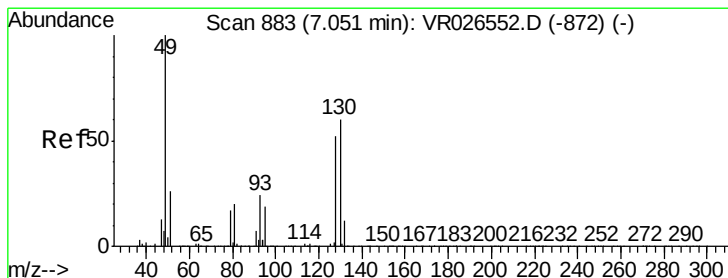
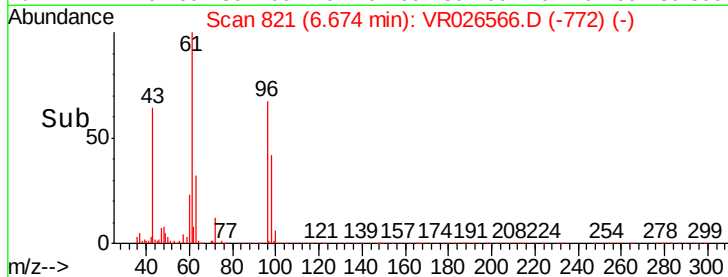
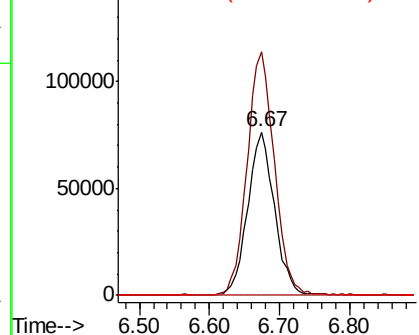


Abundance

Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

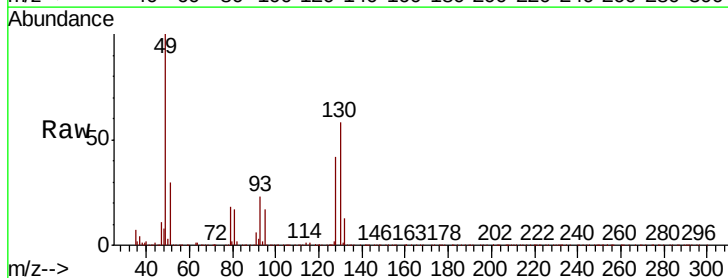
Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane
Concen: 4.548 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	238.5	158.3	293.9
130	139.5	90.0	167.2
51	71.1	51.8	77.8



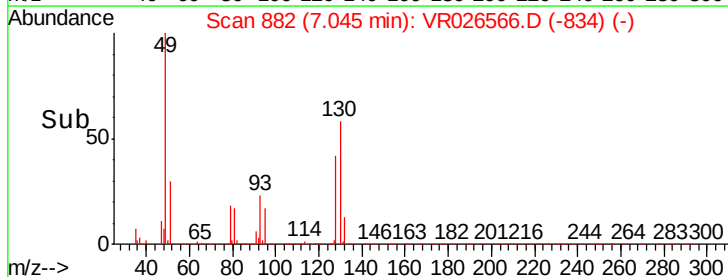
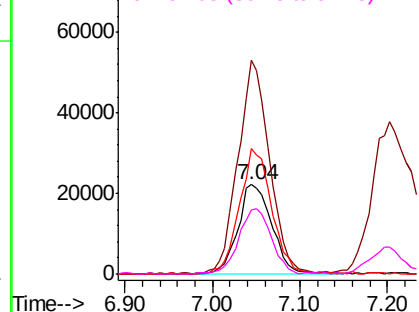
Abundance

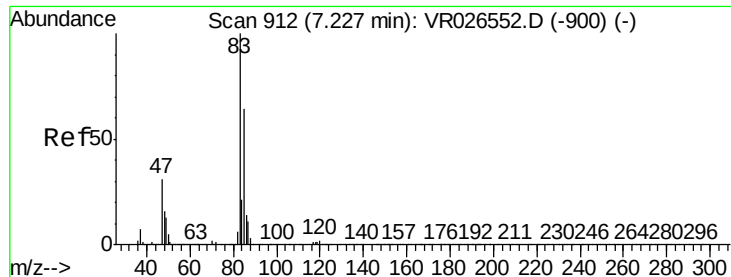
Ion 127.90 (127.60 to 128.60): VR0

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): VR0

Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.479 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

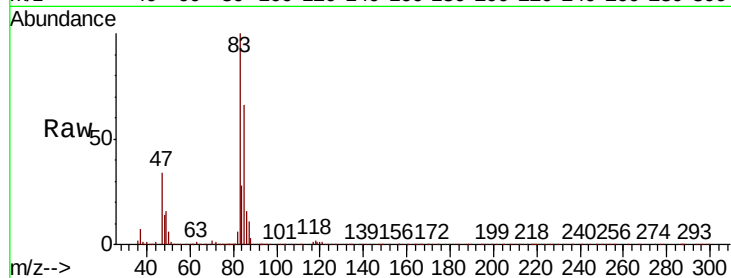
VSTD00569

Tot Ion: 83 Resp: 404551

Ion Ratio Lower Upper

83 100

85 65.8 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

150000

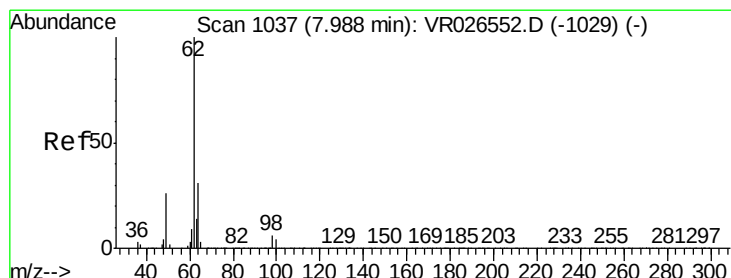
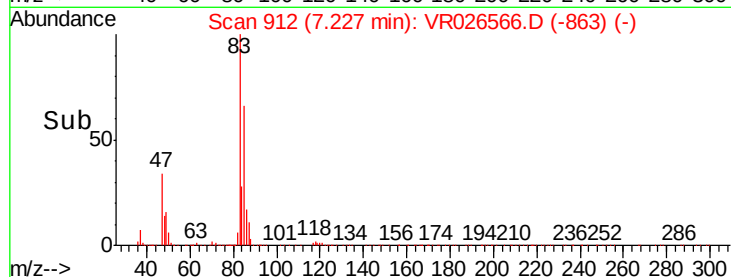
100000

50000

0

7.10 7.20 7.30

Time-->



#27

1,2-Dichloroethane

Concen: 4.429 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR026566.D

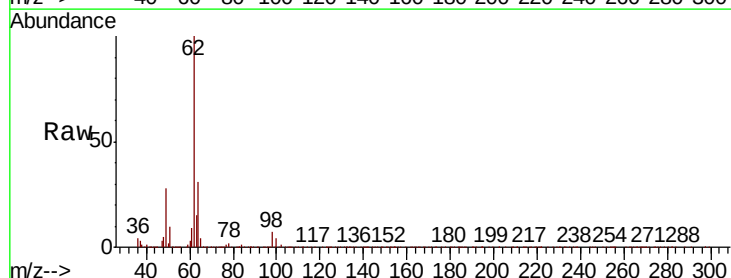
Acq: 10 Apr 2019 22:36

Tgt Ion: 62 Resp: 199496

Ion Ratio Lower Upper

62 100

98 6.7 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

100000

80000

60000

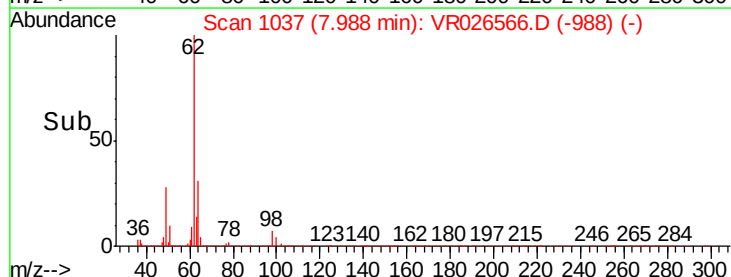
40000

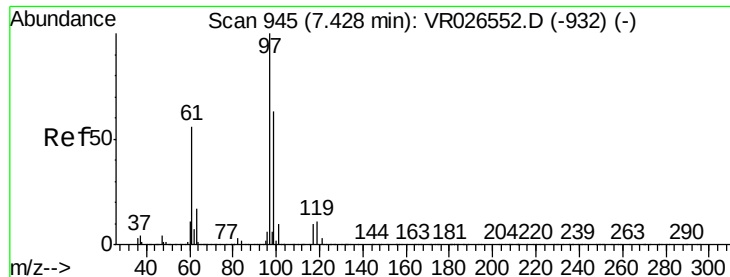
20000

0

7.90 7.95 8.00 8.05

Time-->

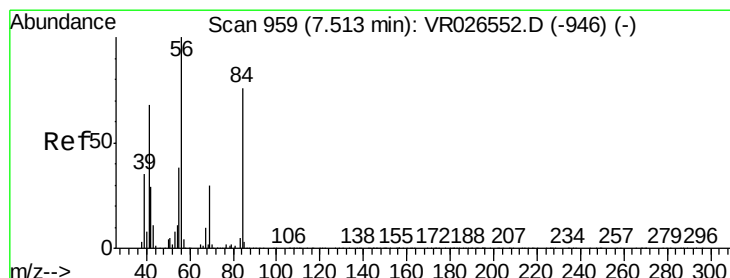
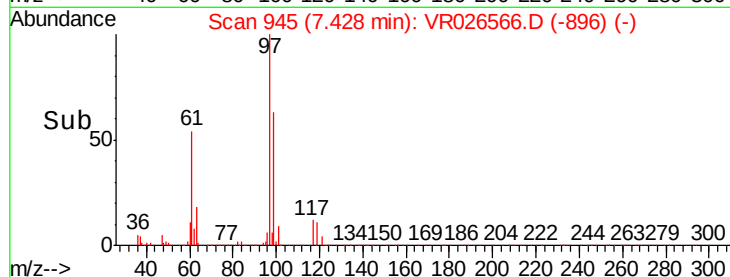
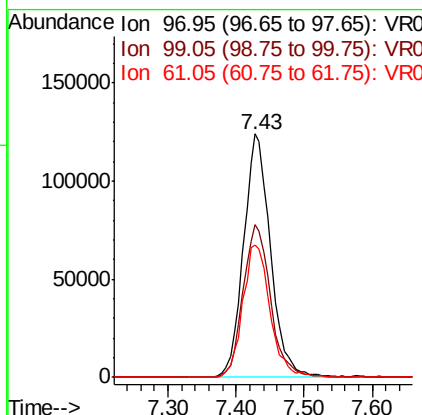
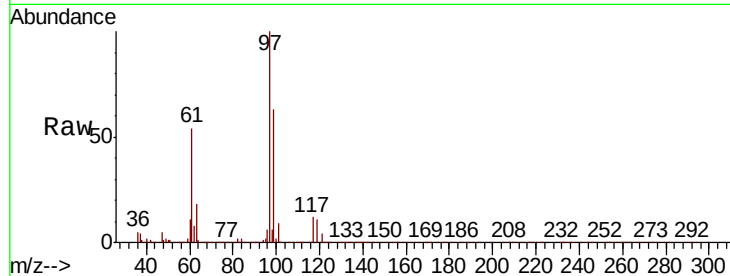




#29
1,1,1-Trichloroethane
Concen: 4.048 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

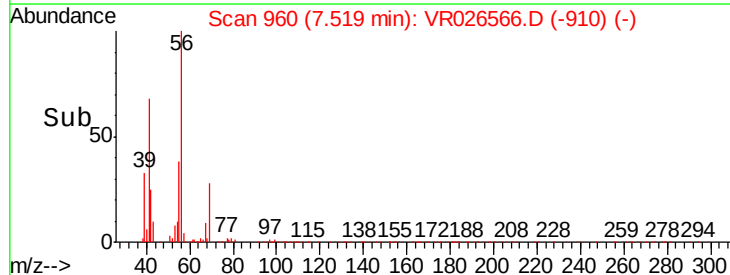
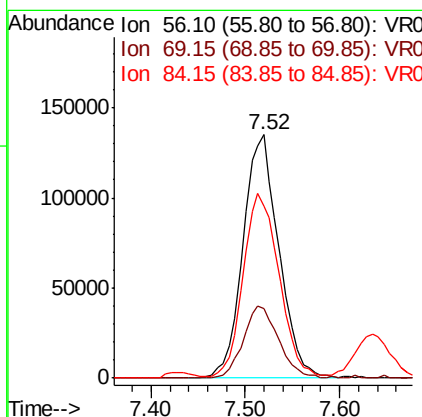
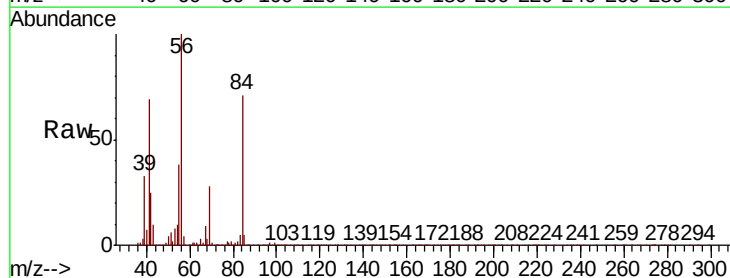
Instrument :
MSVOA_R
ClientSampleId :
VSTD00569

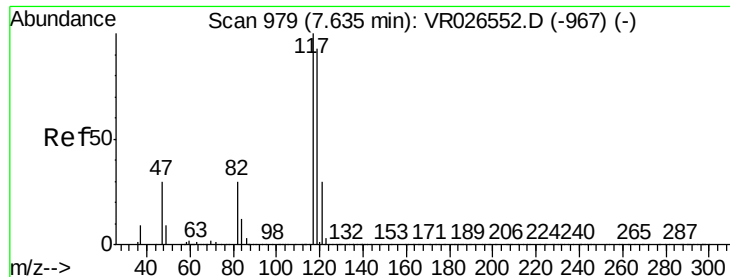
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.6	74.4
61	55.5	41.8	62.6



#30
Cyclohexane
Concen: 4.578 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	22.6	33.8
84	76.7	59.6	89.4





#31

Carbon tetrachloride

Concen: 4.362 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

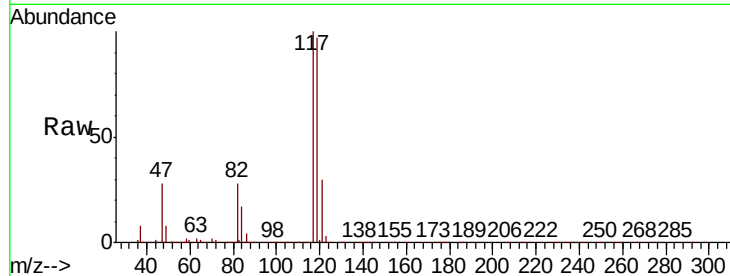
VSTD00569

Tot Ion:117 Resp: 347781

Ion Ratio Lower Upper

117 100

119 97.2 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

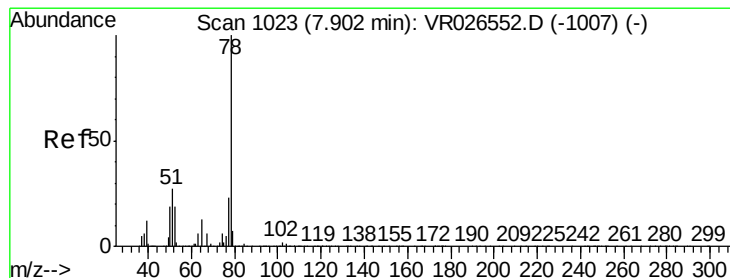
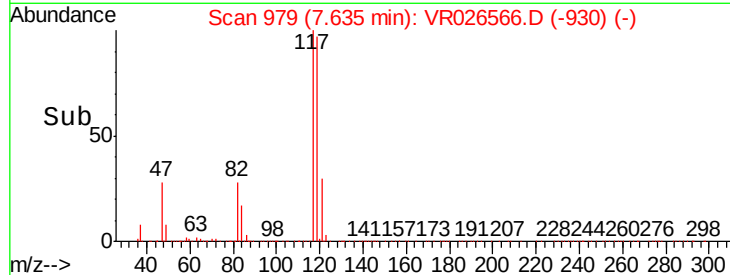
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.601 ug/L

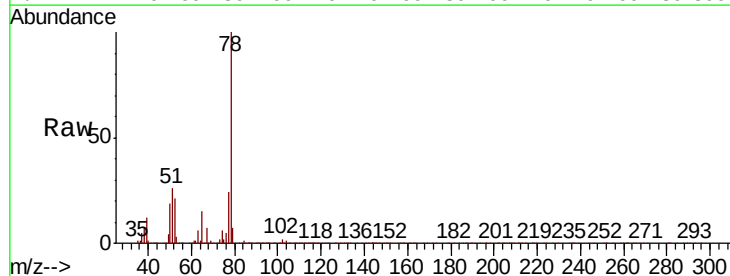
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Tgt Ion: 78 Resp: 916869



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

400000

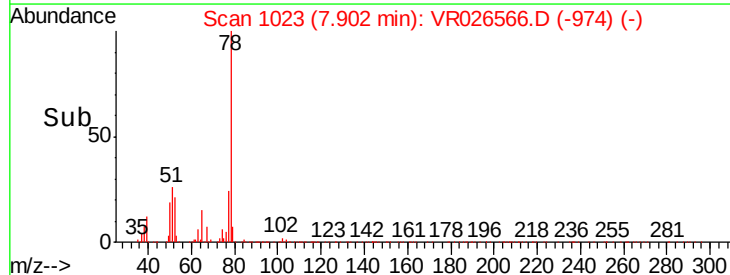
300000

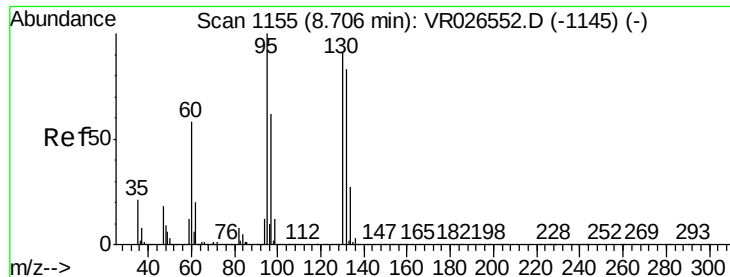
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 4.365 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00569

Tot Ion: 95 Resp: 232990

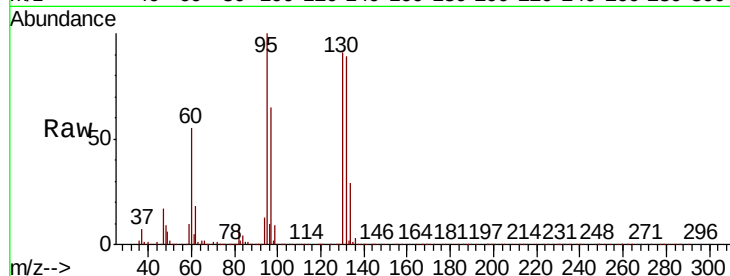
Ion Ratio Lower Upper

95 100

97 65.3 43.8 81.3

132 88.9 57.2 106.2

130 90.6 59.7 110.9

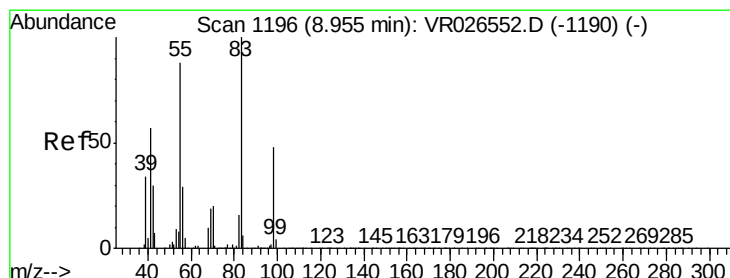
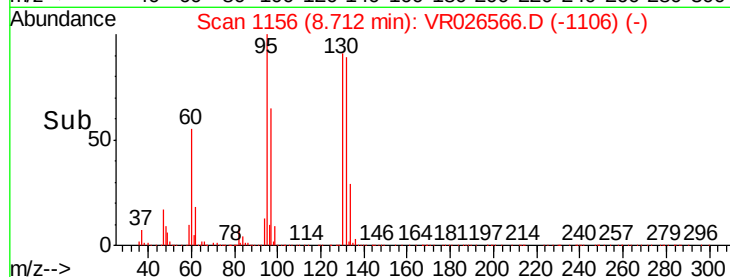
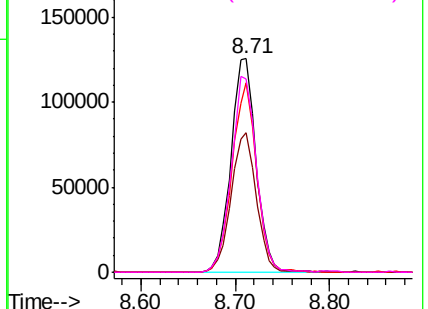


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.621 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

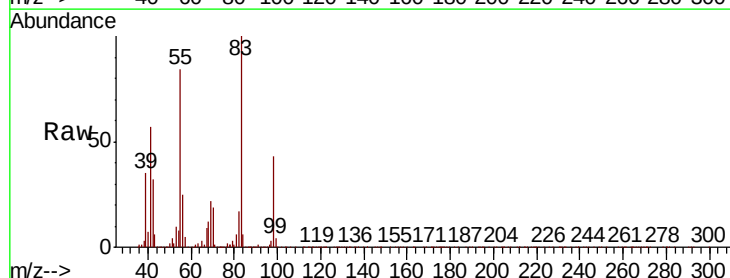
Tgt Ion: 83 Resp: 351773

Ion Ratio Lower Upper

83 100

55 88.1 73.8 110.6

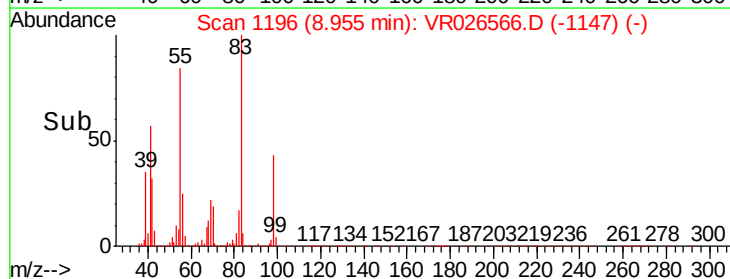
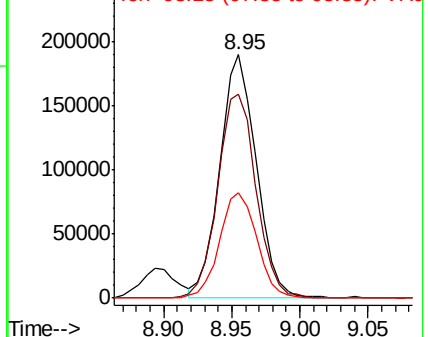
98 44.8 34.6 51.8

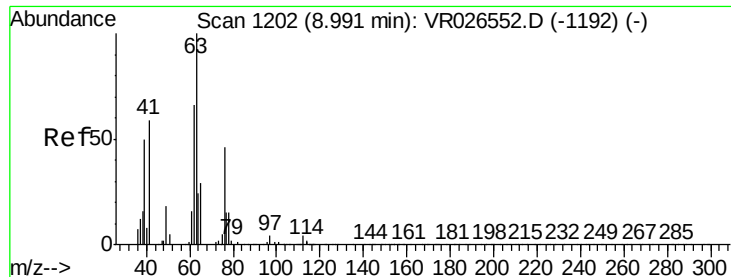


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

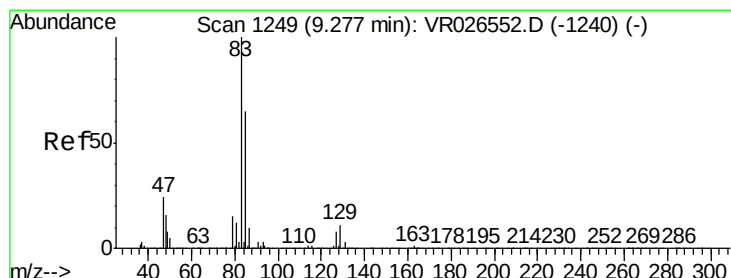
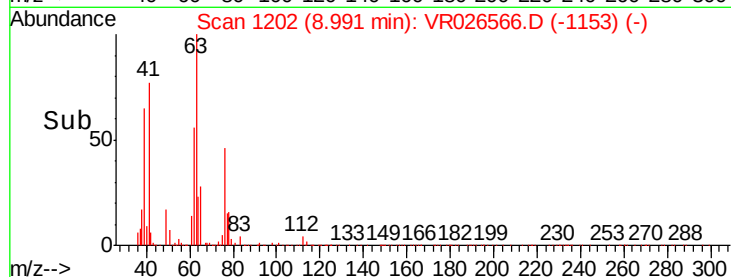
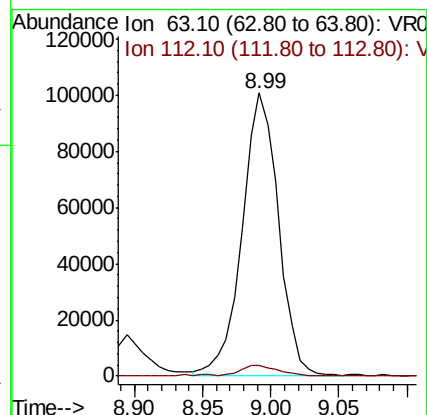
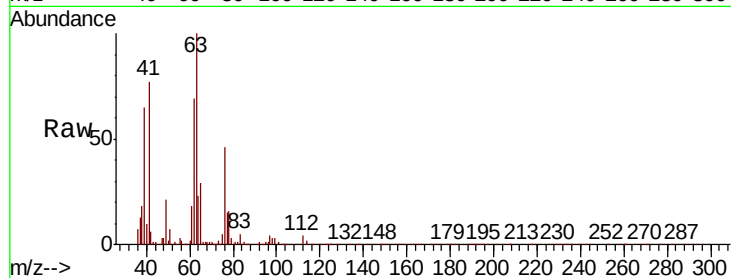




#37
 1,2-Dichloropropane
 Concen: 4.290 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

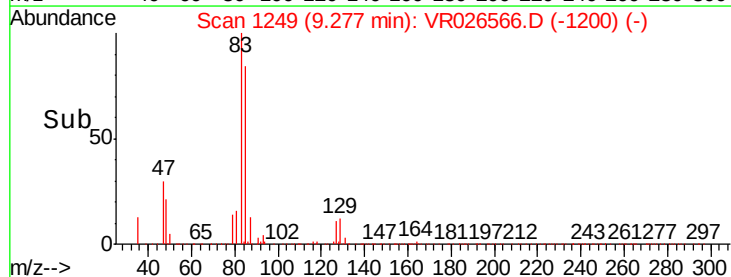
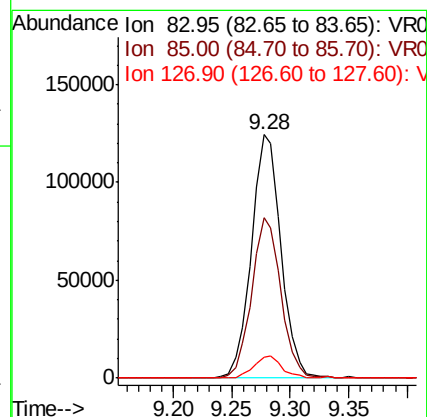
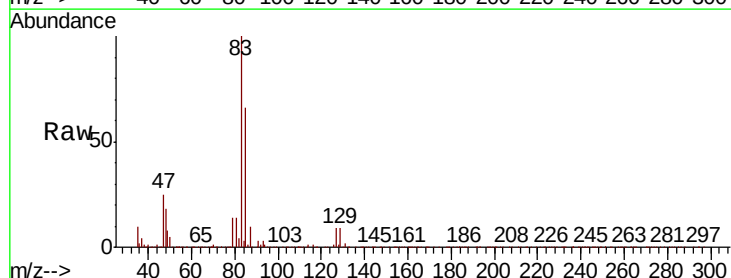
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

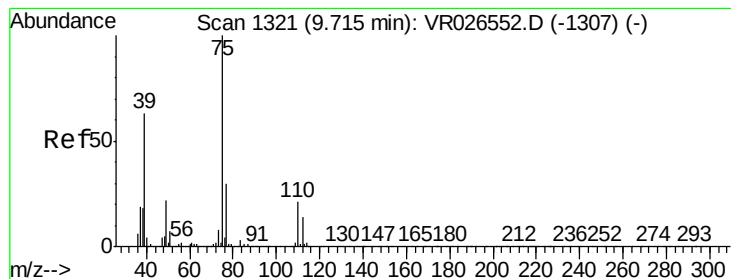
Tot Ion: 63 Resp: 187381
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.364 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Tgt Ion: 83 Resp: 220253
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.6 86.6
 127 8.6 5.6 8.4#





#39

cis-1,3-Dichloropropene

Concen: 4.383 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

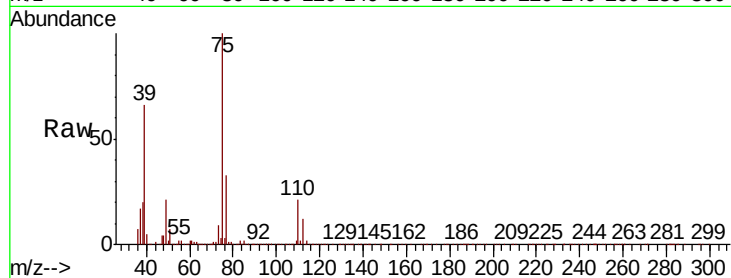
VSTD00569

Tot Ion: 75 Resp: 207798

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

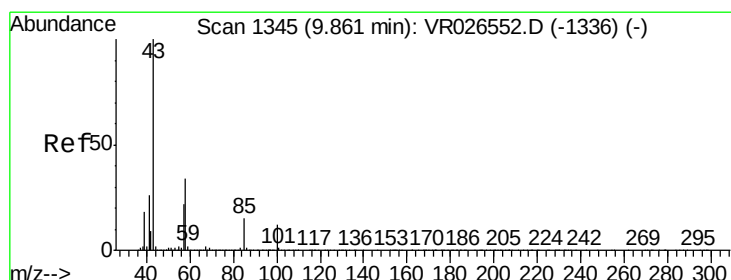
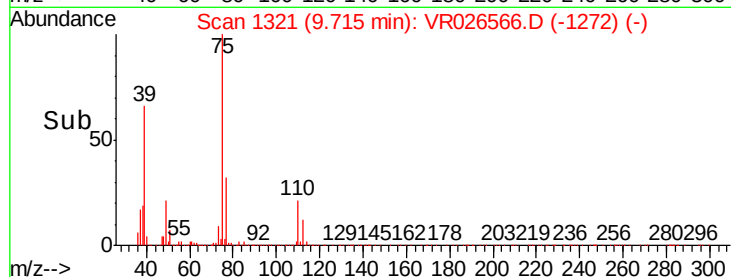
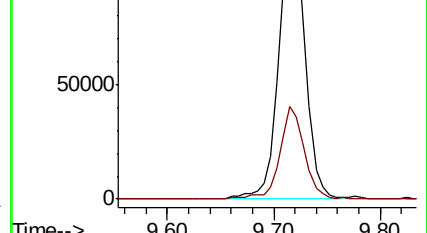
9.72

100000

50000

0

9.60 9.70 9.80



#40

4-Methyl-2-pentanone

Concen: 51.560 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

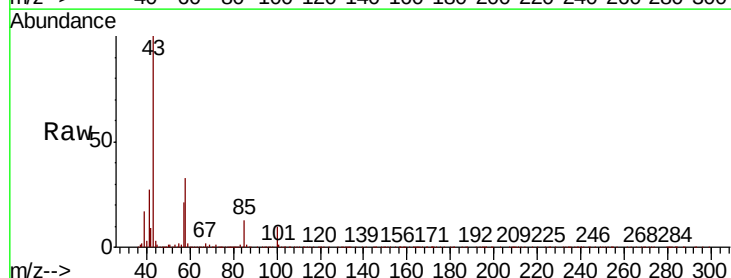
Tgt Ion: 43 Resp: 659830

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4

100 10.9 8.9 13.3



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

9.86

500000

400000

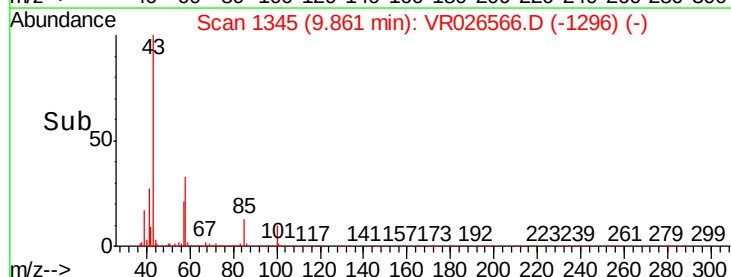
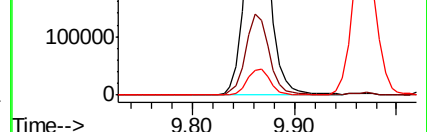
300000

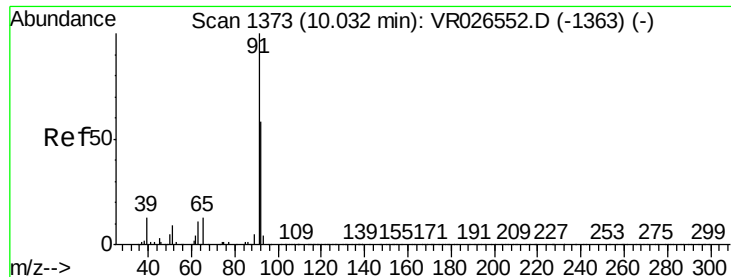
200000

100000

0

9.80 9.90





#42

Toluene

Concen: 4.822 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

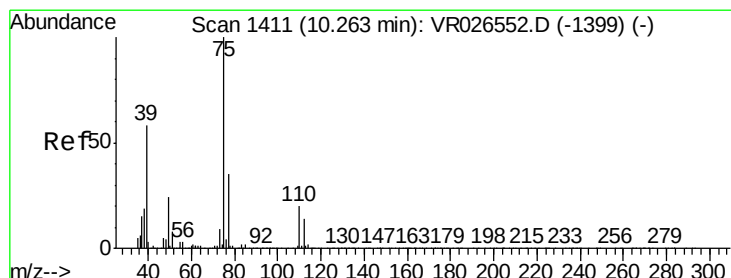
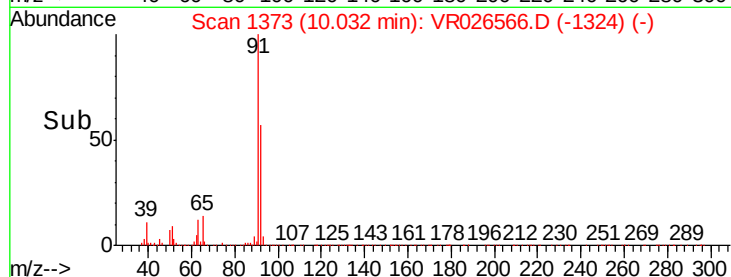
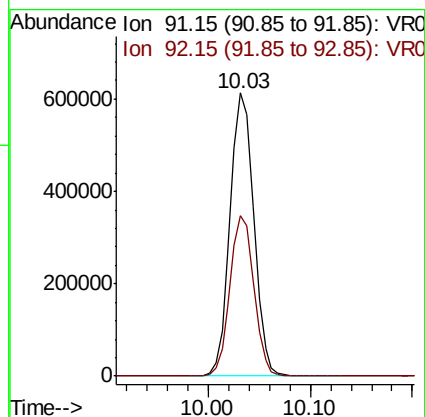
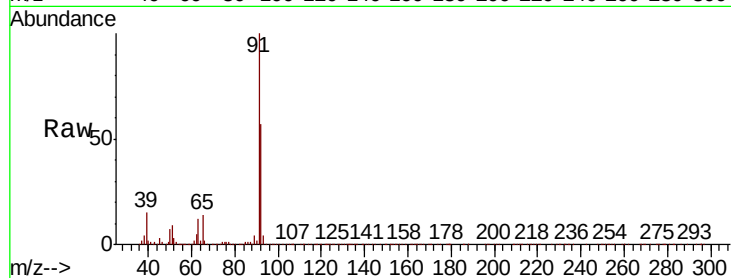
VSTD00569

Tot Ion: 91 Resp: 984881

Ion Ratio Lower Upper

91 100

92 56.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.054 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026566.D

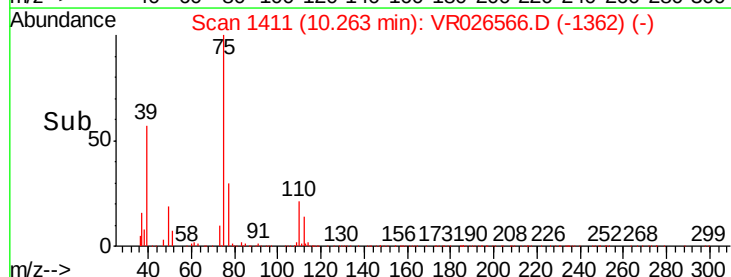
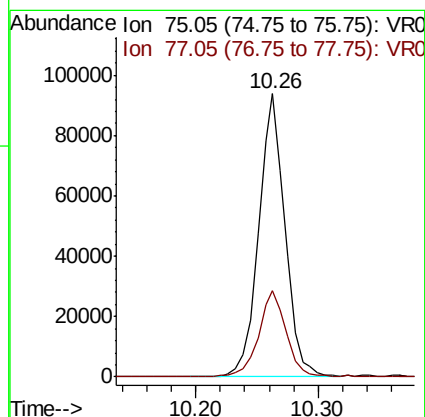
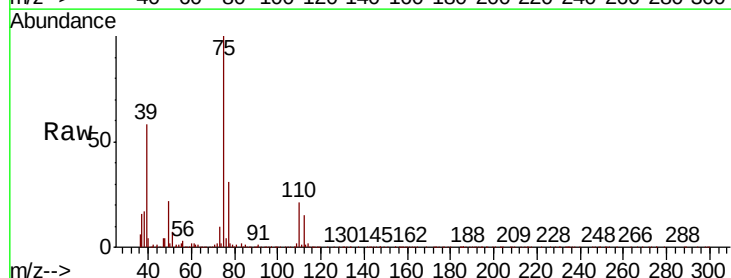
Acq: 10 Apr 2019 22:36

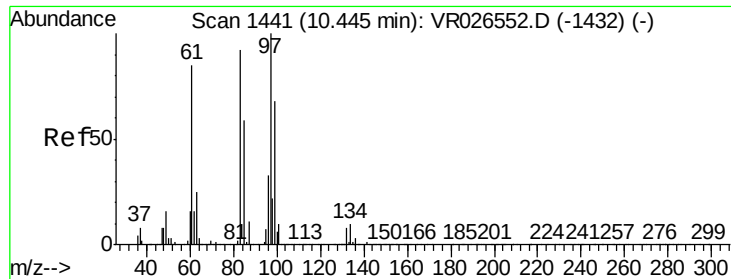
Tgt Ion: 75 Resp: 140203

Ion Ratio Lower Upper

75 100

77 30.7 22.7 42.1

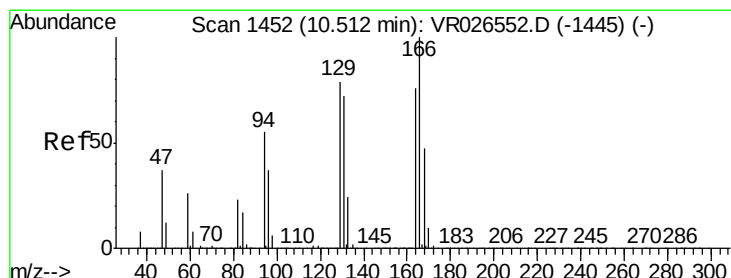
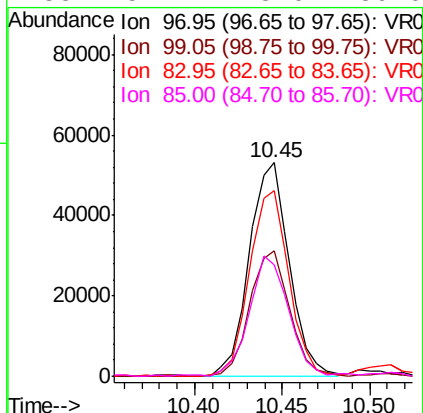
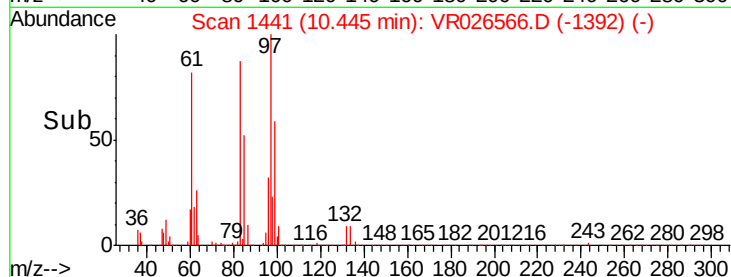
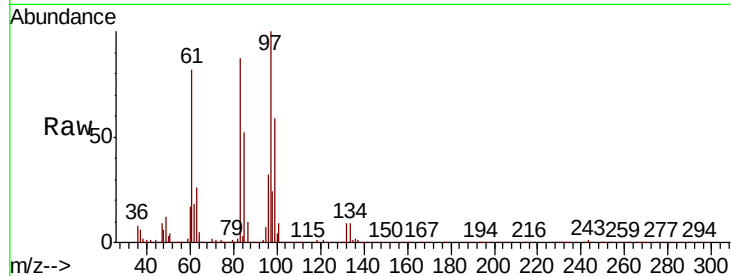




#45
 1,1,2-Trichloroethane
 Concen: 4.767 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

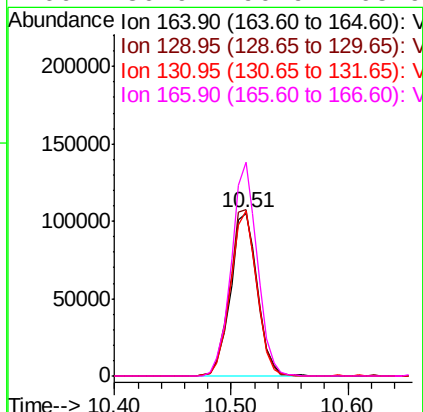
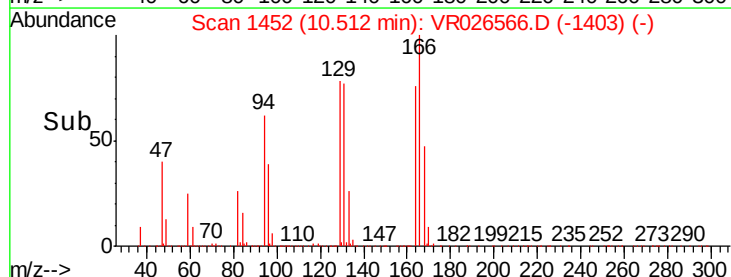
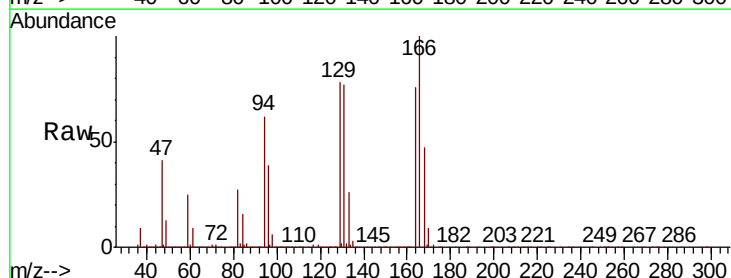
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

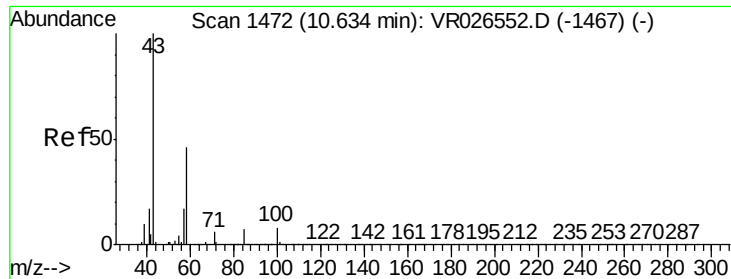
Tot Ion:	97	Resp:	84226
Ion	Ratio	Lower	Upper
97	100		
99	58.6	41.7	77.5
83	86.9	59.5	110.5
85	52.2	43.0	80.0



#47
 Tetrachloroethene
 Concen: 4.432 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Tgt Ion:	164	Resp:	168374
Ion	Ratio	Lower	Upper
164	100		
129	101.6	74.1	137.5
131	101.0	71.3	132.5
166	130.9	90.9	168.9

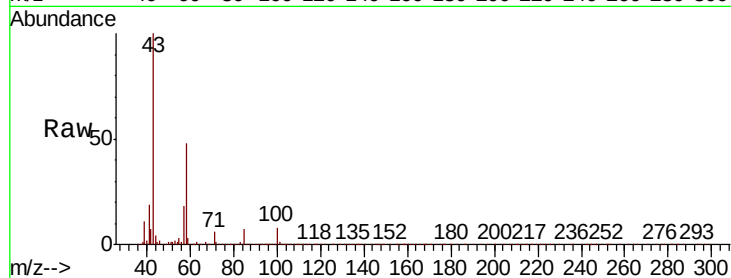




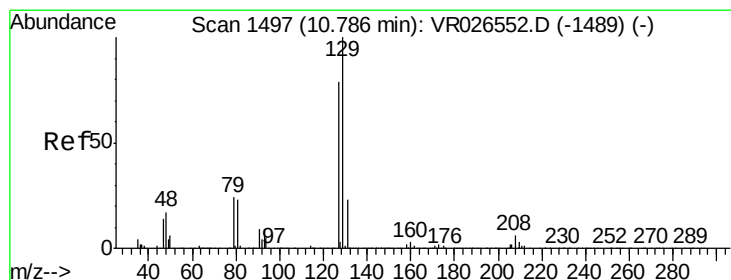
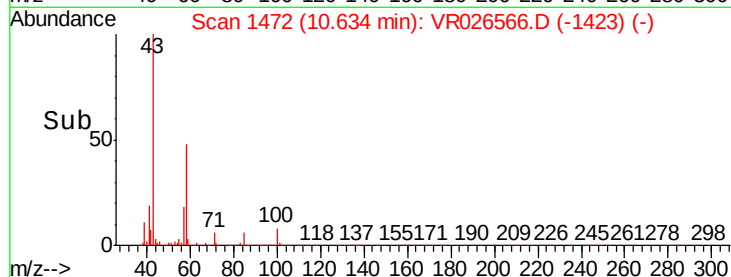
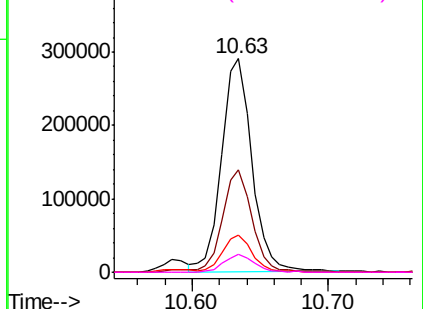
#48
2-Hexanone
Concen: 52.505 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Instrument :
MSVOA_R
ClientSampleId :
VSTD00569

Tot Ion:	43	Resp:	446926
Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.2	57.2
57	17.2	13.8	20.6
100	8.2	6.2	9.2

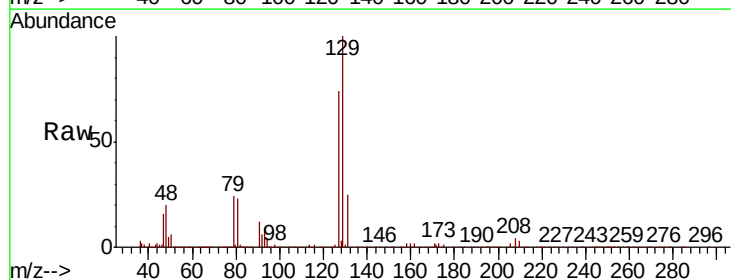


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

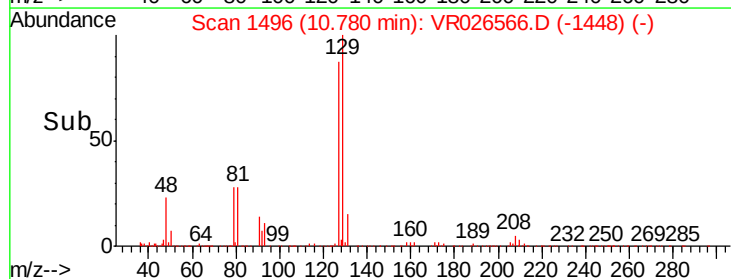
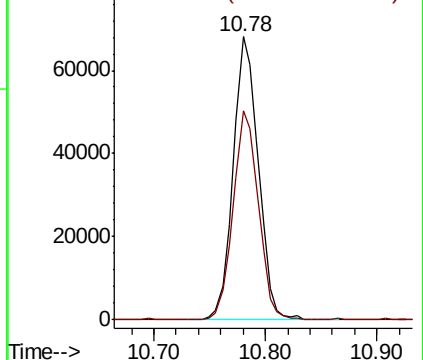


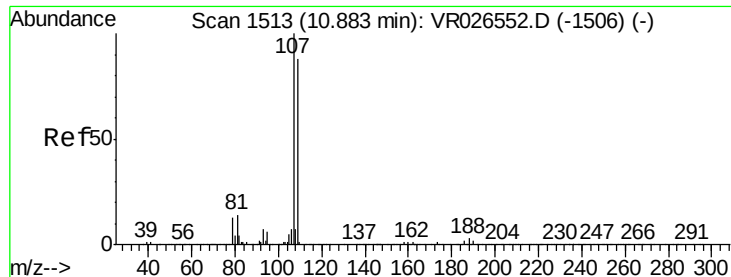
#49
Dibromochloromethane
Concen: 4.576 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion:	129	Resp:	105909
Ion	Ratio	Lower	Upper
129	100		
127	73.8	50.2	93.2



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

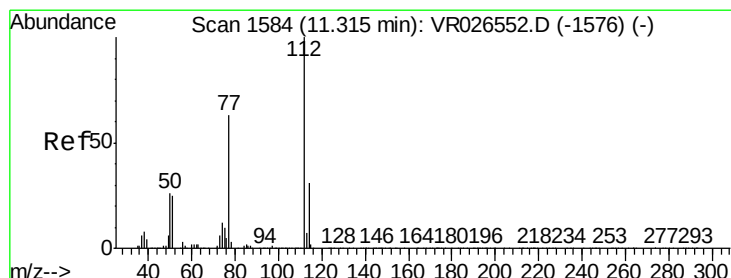
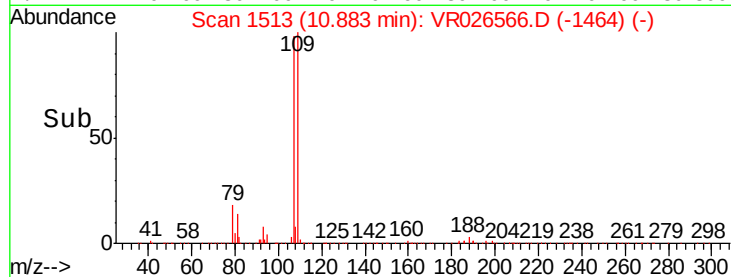
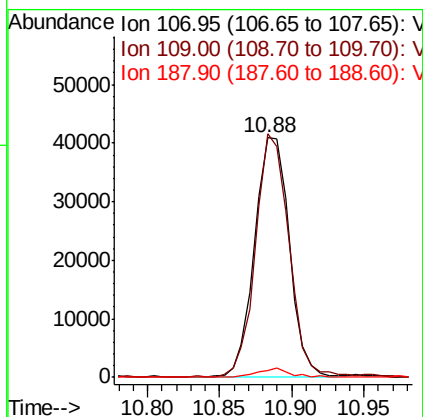
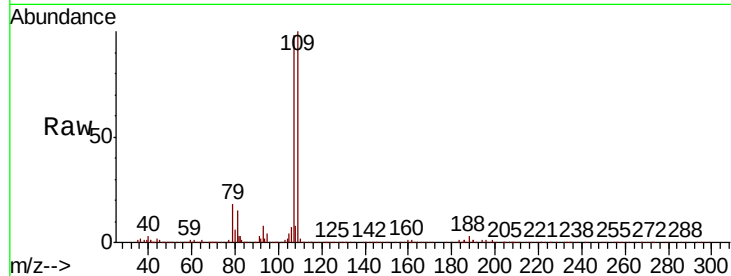




#50
1,2-Dibromoethane
Concen: 4.504 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

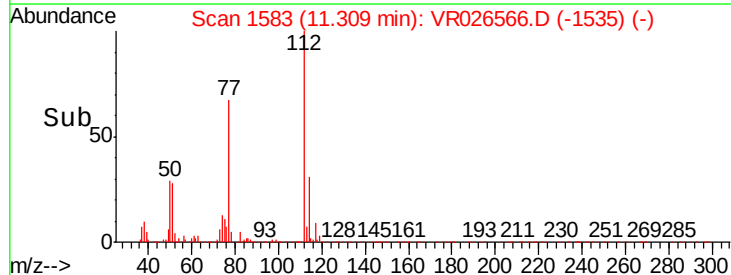
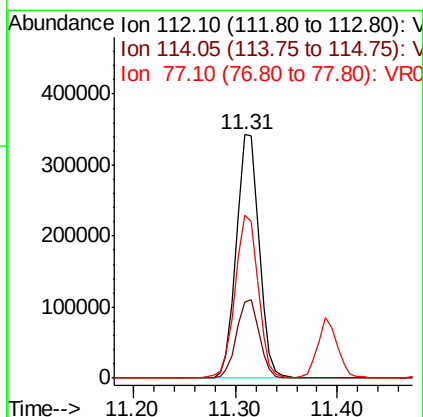
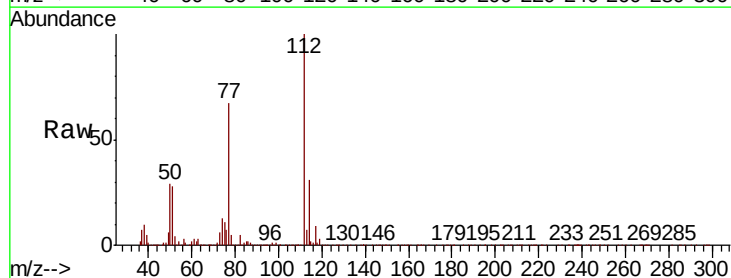
Instrument :
MSVOA_R
ClientSampled :
VSTD00569

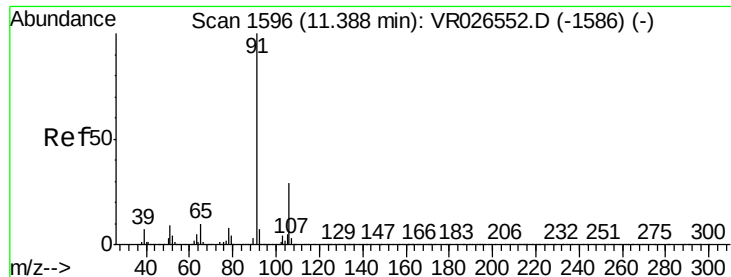
Tot Ion:107 Resp: 68447
Ion Ratio Lower Upper
107 100
109 101.6 66.8 124.2
188 2.7 2.8 4.2#



#51
Chlorobenzene
Concen: 4.583 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion:112 Resp: 525222
Ion Ratio Lower Upper
112 100
114 31.4 23.1 42.9
77 67.2 53.8 80.8





#52

Ethylbenzene

Concen: 4.785 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

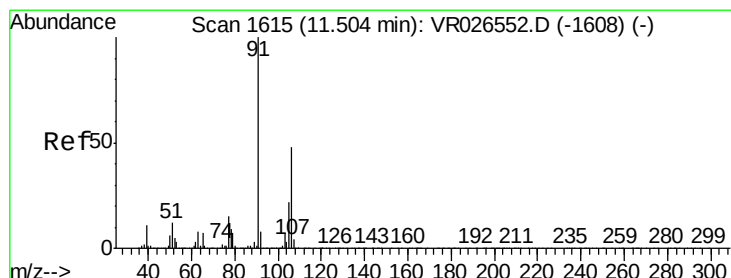
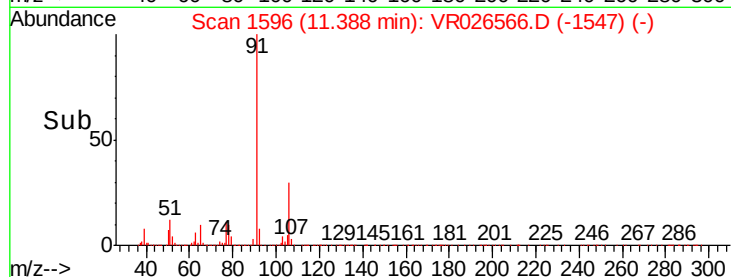
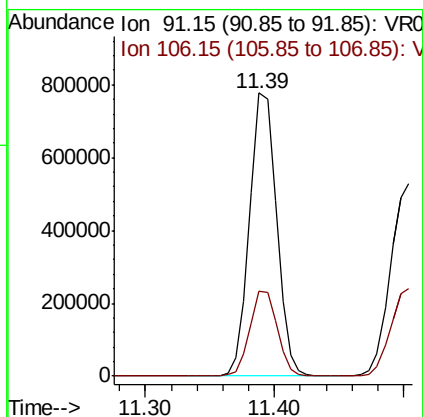
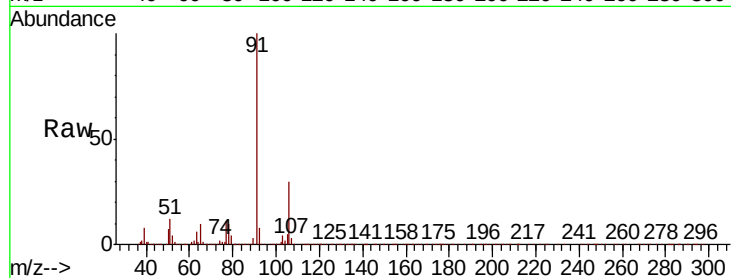
VSTD00569

Tot Ion: 91 Resp: 1125843

Ion Ratio Lower Upper

91 100

106 30.2 20.7 38.5



#53

m,p-Xylene

Concen: 4.819 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026566.D

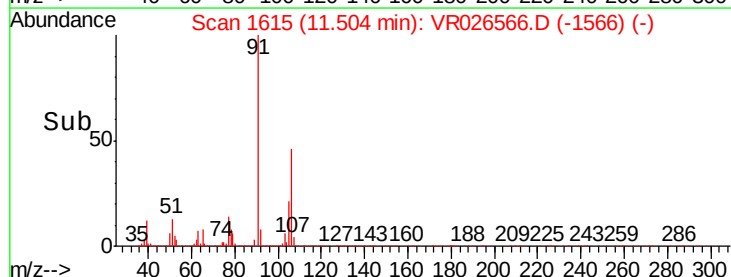
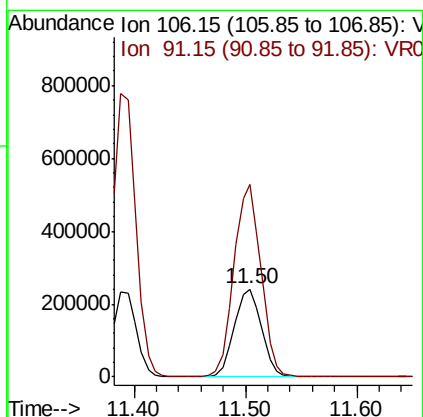
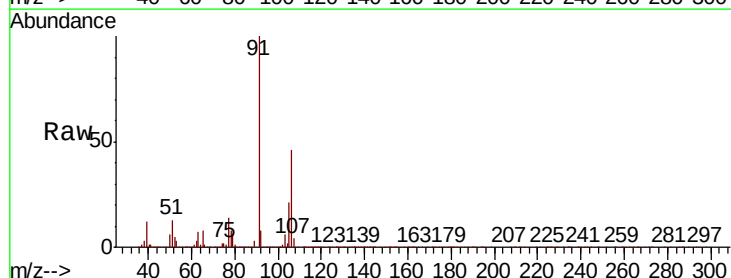
Acq: 10 Apr 2019 22:36

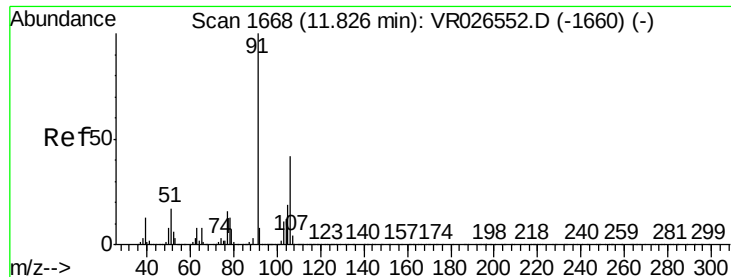
Tgt Ion: 106 Resp: 406369

Ion Ratio Lower Upper

106 100

91 218.7 155.6 289.0

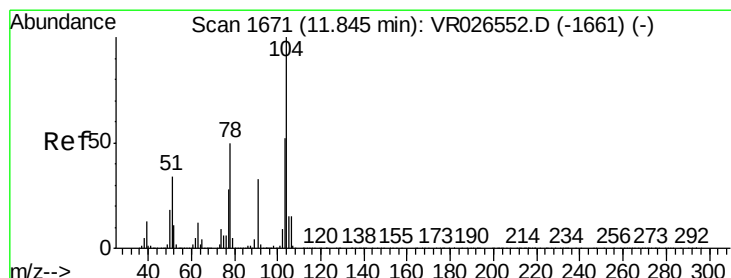
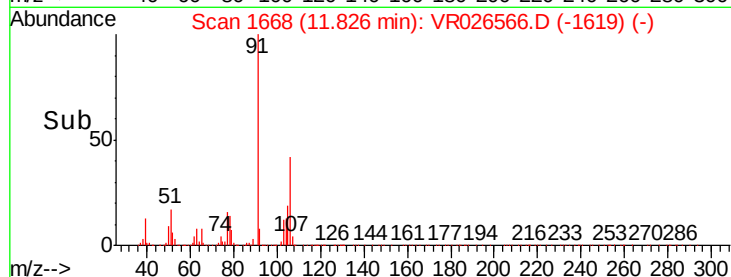
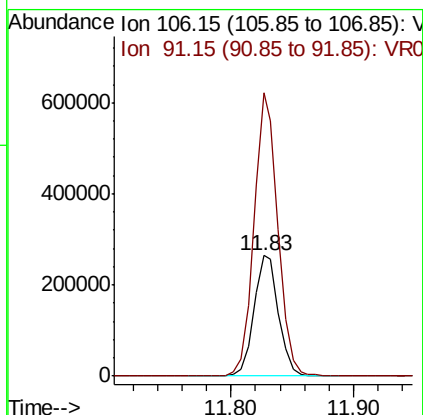
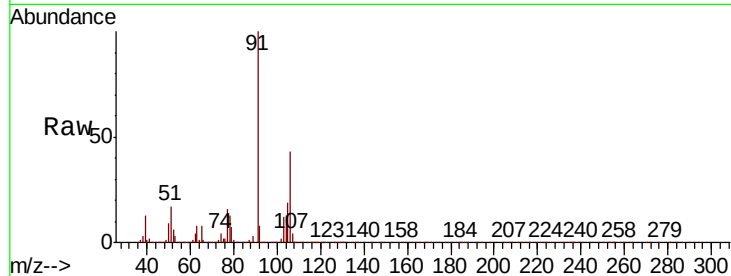




#54
o-Xylene
Concen: 4.987 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

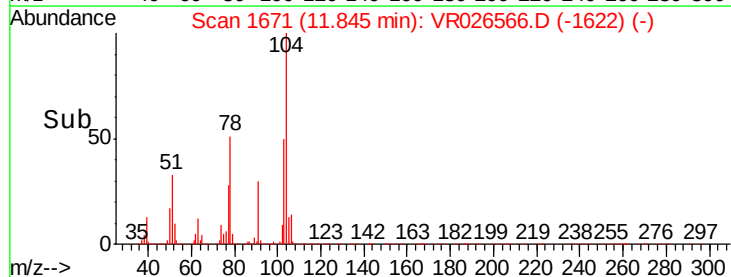
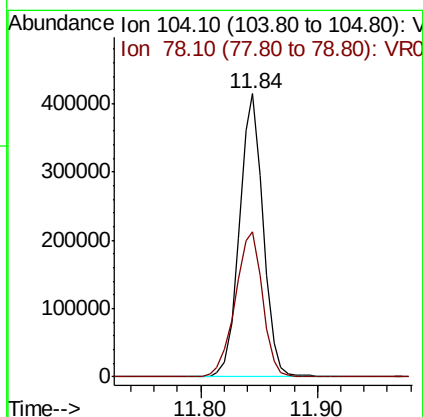
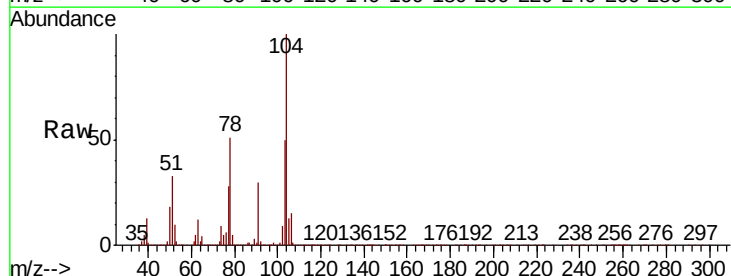
Instrument :
MSVOA_R
ClientSampleId :
VSTD00569

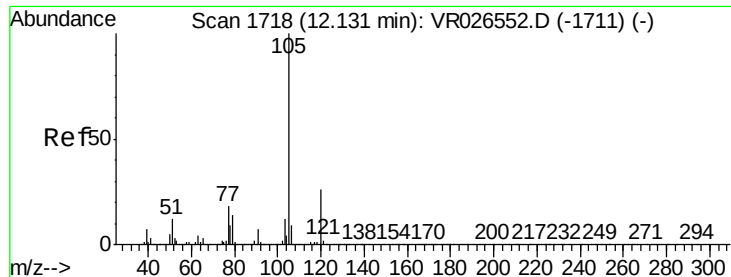
Tot Ion:106 Resp: 369524
Ion Ratio Lower Upper
106 100
91 235.0 166.2 308.6



#55
Styrene
Concen: 5.010 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026566.D
Acq: 10 Apr 2019 22:36

Tgt Ion:104 Resp: 586067
Ion Ratio Lower Upper
104 100
78 51.4 35.2 65.4





#56

Isopropylbenzene

Concen: 5.038 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampled :

VSTD00569

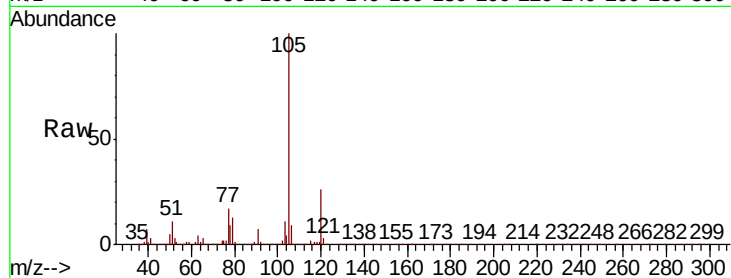
Tot Ion:105 Resp: 1059541

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.2

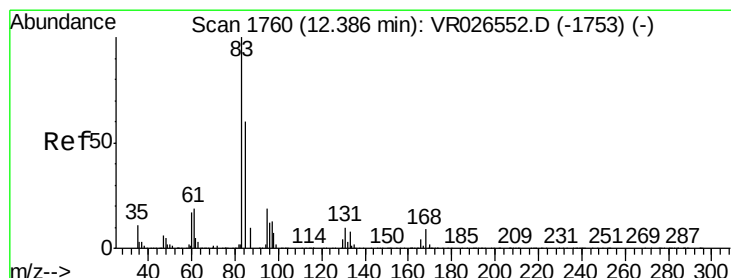
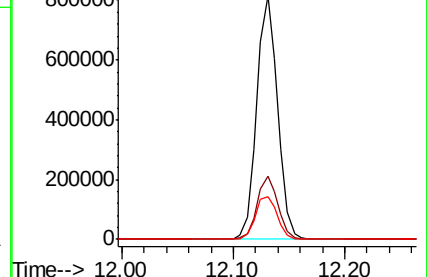
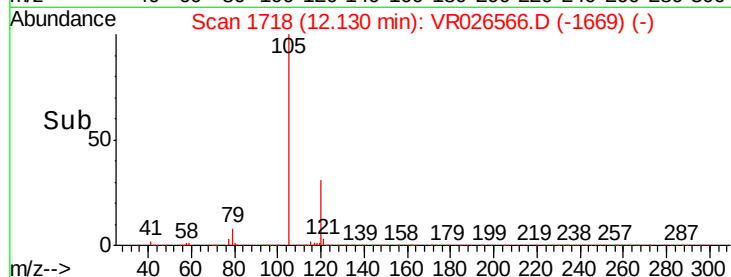
77 18.5 14.7 22.1



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.845 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

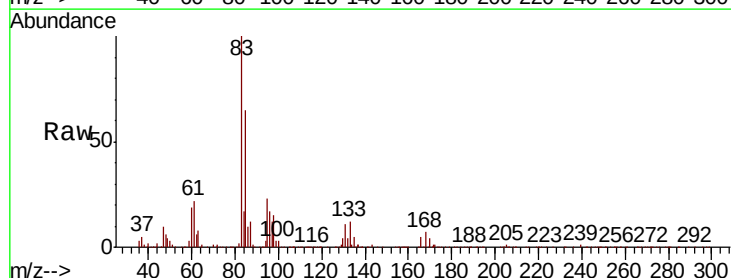
Tgt Ion: 83 Resp: 83123

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

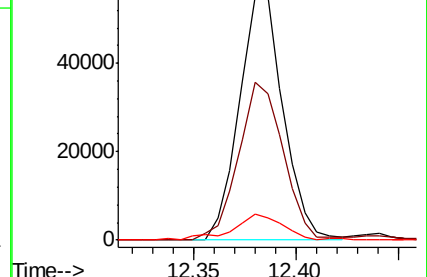
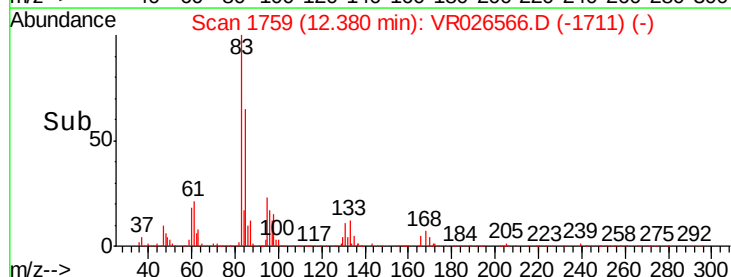
131 10.7 6.9 10.3#

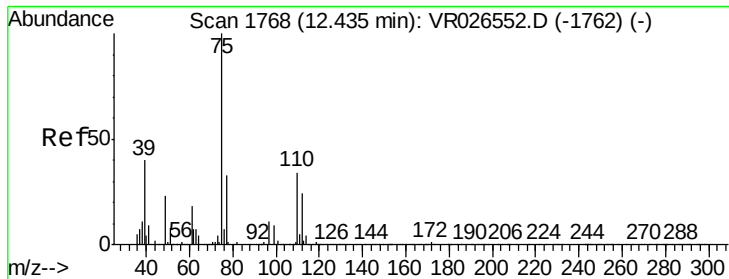


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.474 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

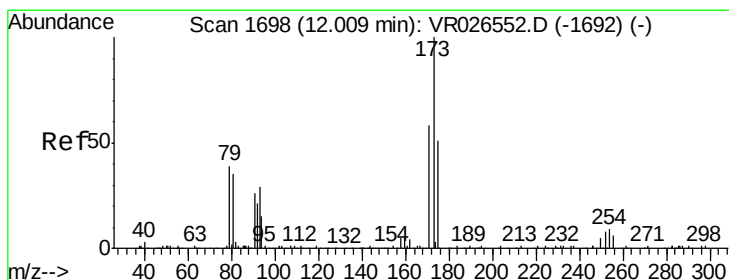
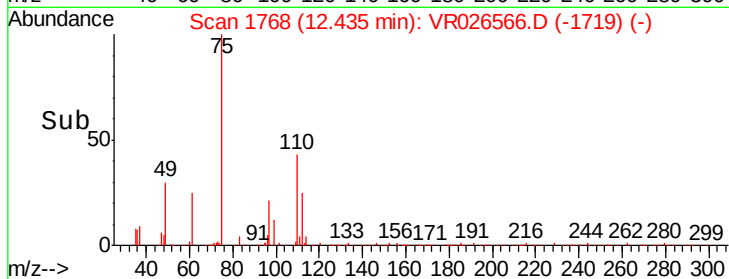
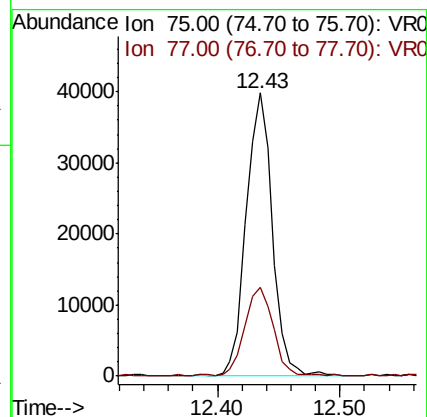
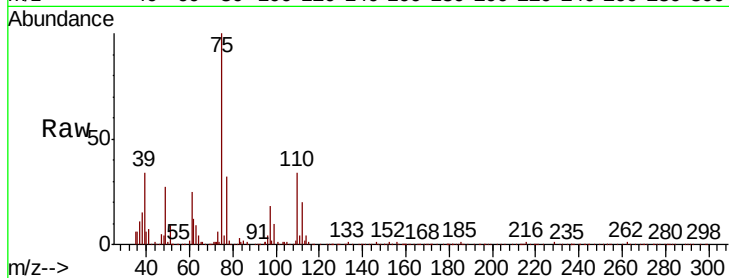
VSTD00569

Tot Ion: 75 Resp: 58878

Ion Ratio Lower Upper

75 100

77 33.9 25.0 37.4



#61

Bromoform

Concen: 3.866 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

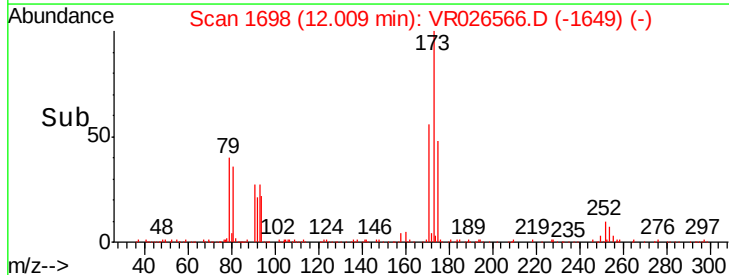
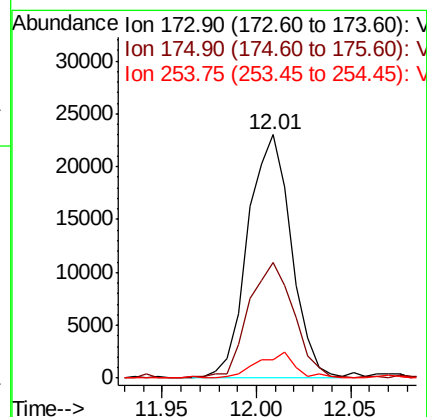
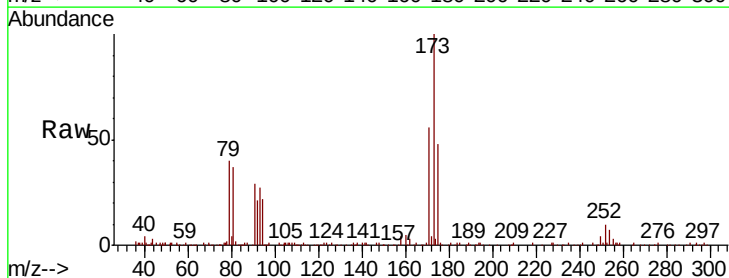
Tgt Ion:173 Resp: 36684

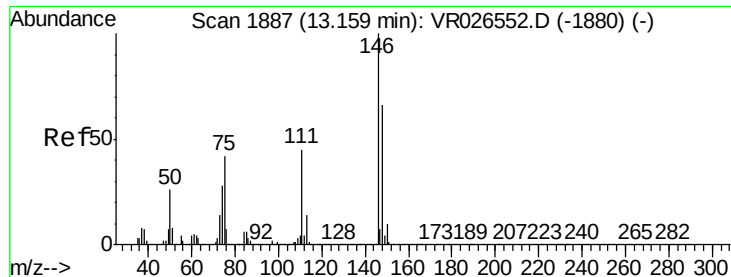
Ion Ratio Lower Upper

173 100

175 49.8 36.6 54.8

254 9.2 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.310 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00569

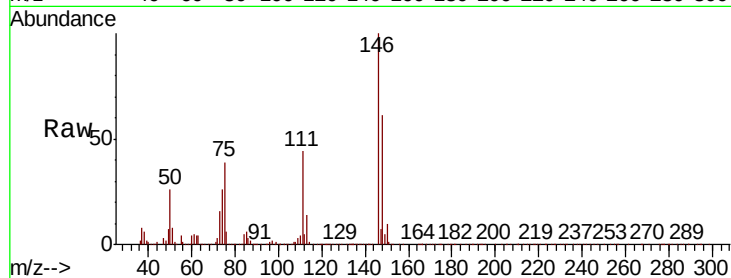
Tot Ion:146 Resp: 293788

Ion Ratio Lower Upper

146 100

111 43.9 30.4 56.5

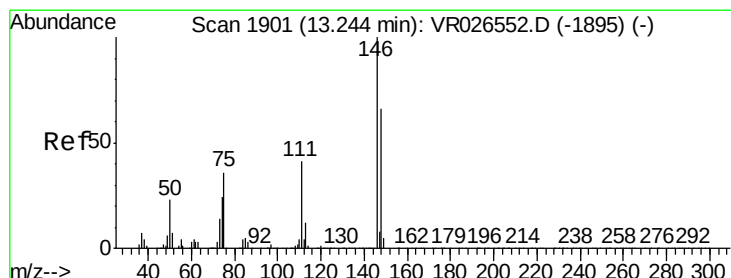
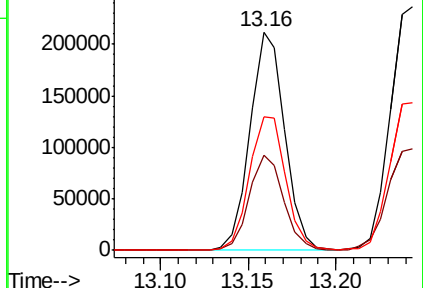
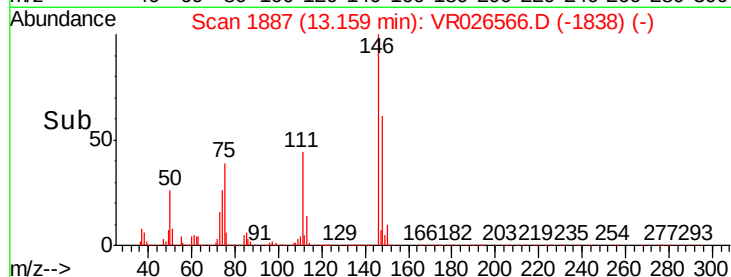
148 61.4 45.4 84.2



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: 4.420 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

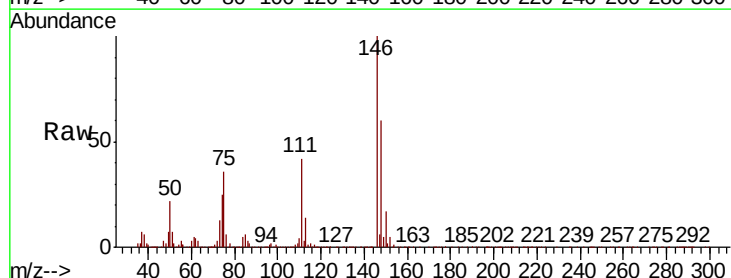
Tgt Ion:146 Resp: 338225

Ion Ratio Lower Upper

146 100

111 42.0 30.5 56.7

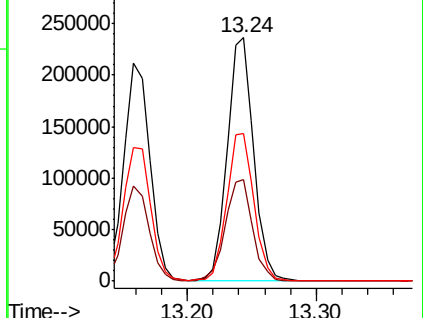
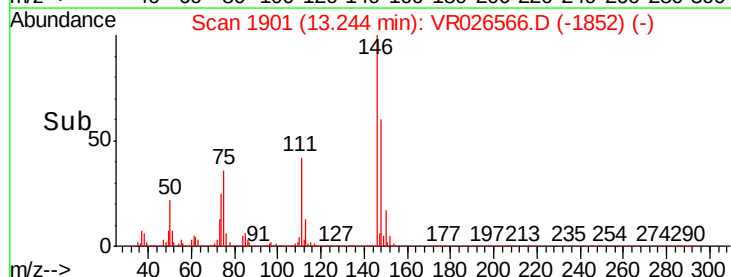
148 60.4 45.0 83.6

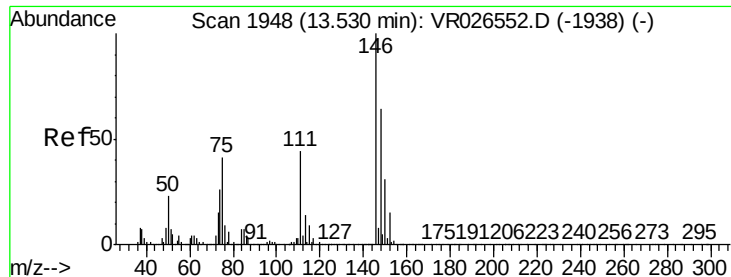


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

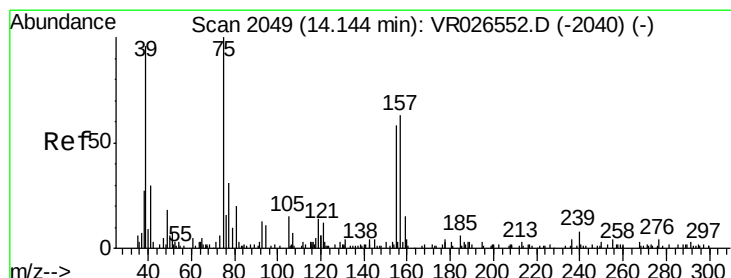
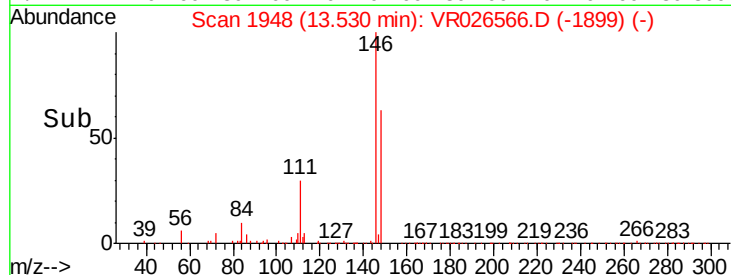
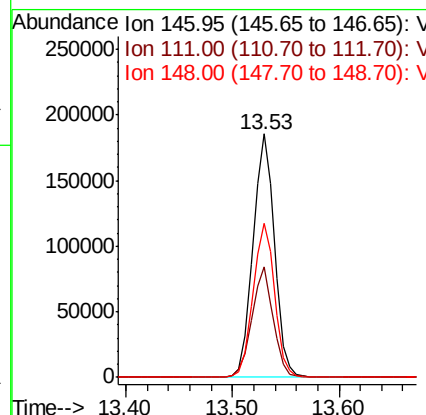
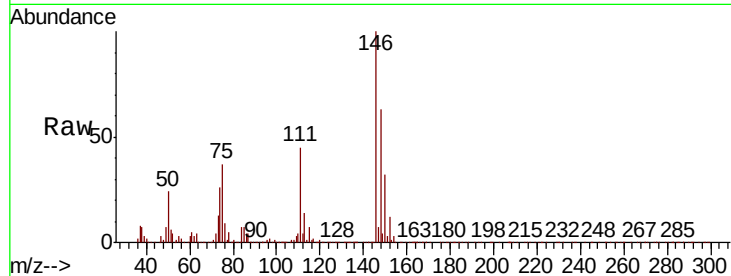




#65
 1,2-Dichlorobenzene
 Concen: 4.630 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

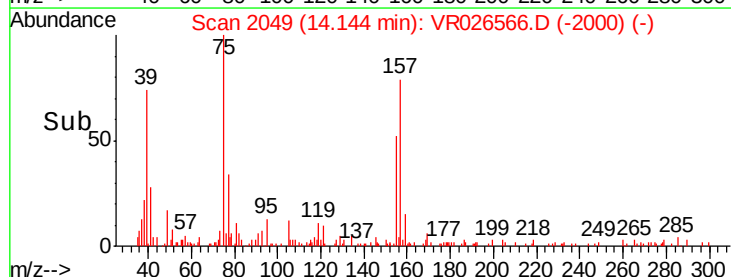
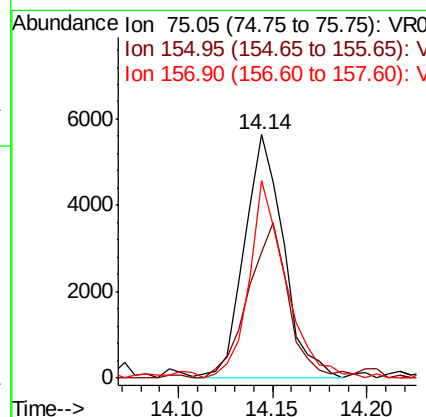
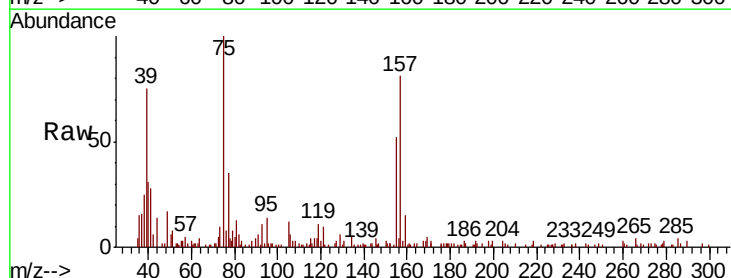
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

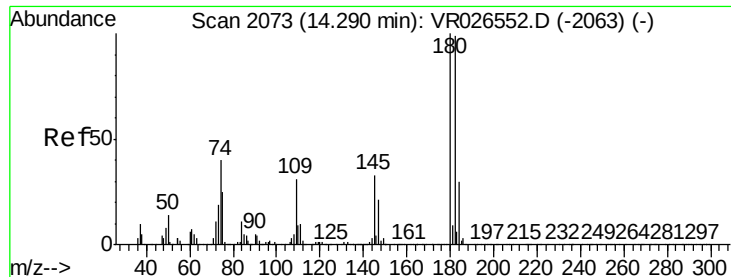
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	35.8	53.6
148	63.4	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.741 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.6	36.1	54.1
157	80.9	62.4	93.6

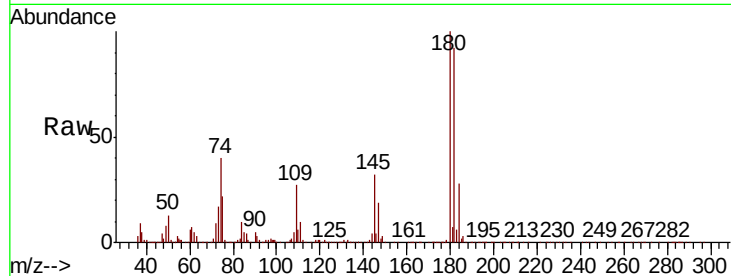




#67
 1,3,5-Trichlorobenzene
 Concen: 4.188 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00569

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
184	29.9	25.0	37.4
145	32.2	28.0	42.0



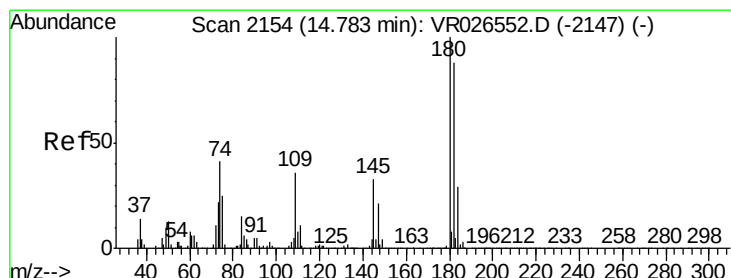
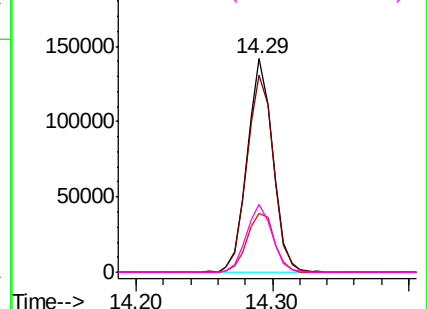
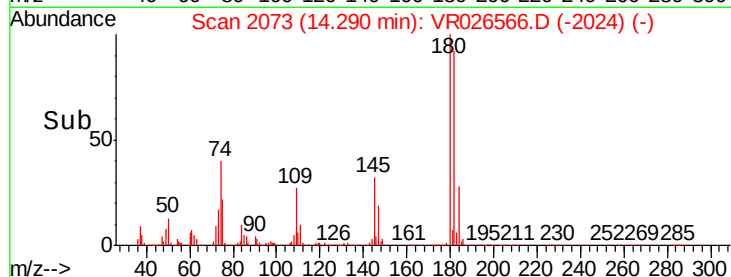
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

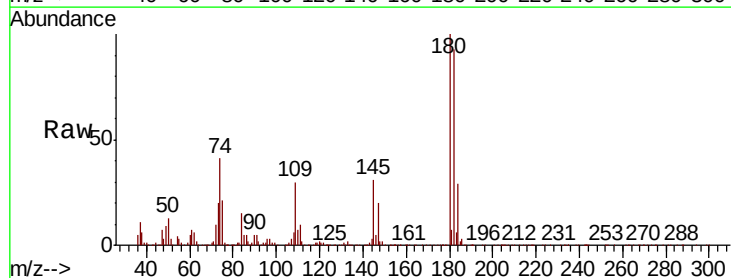
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.141 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026566.D
 Acq: 10 Apr 2019 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	73.0	109.6
145	33.8	26.7	40.1

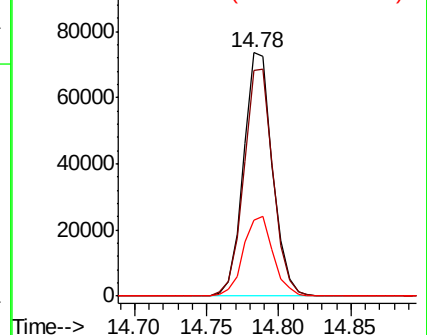
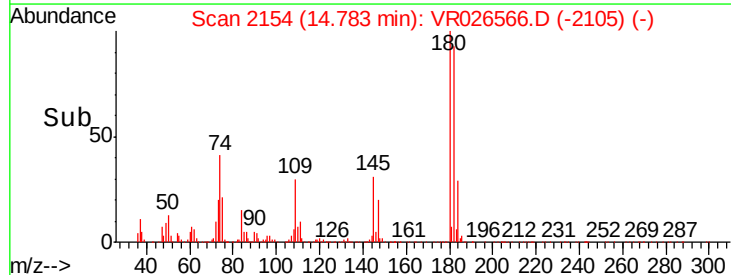


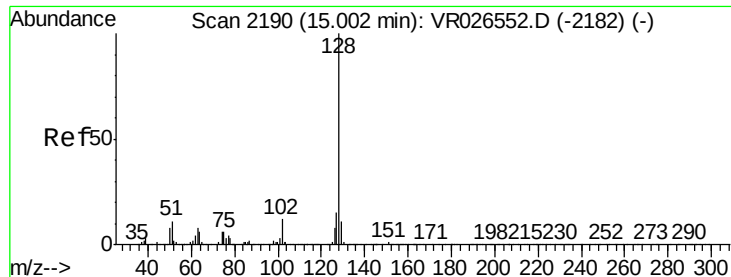
Abundance

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: 3.853 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD00569

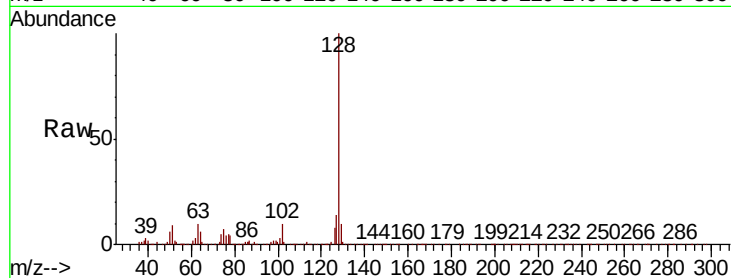
Tot Ion:128 Resp: 89682

Ion Ratio Lower Upper

128 100

127 14.3 11.4 17.0

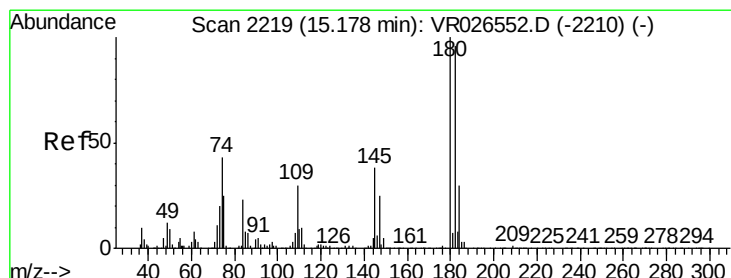
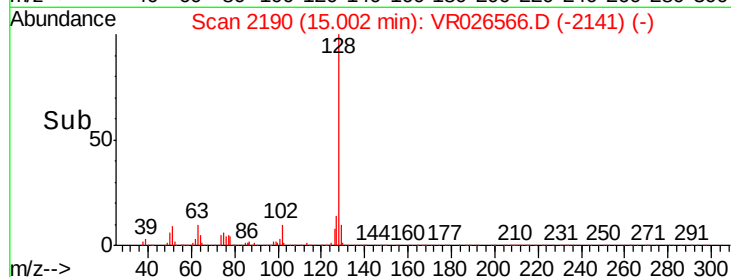
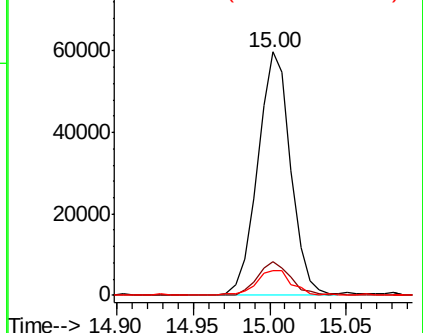
129 11.1 9.0 13.4



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: 4.922 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026566.D

Acq: 10 Apr 2019 22:36

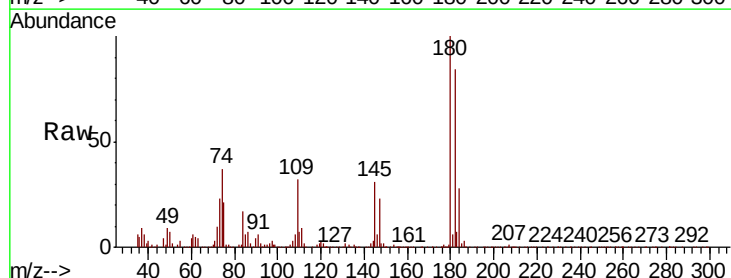
Tgt Ion:180 Resp: 84439

Ion Ratio Lower Upper

180 100

182 92.4 73.1 109.7

145 32.8 28.6 42.8



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

