

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026570.D
 Acq On : 11 Apr 2019 11:22
 Operator : SY/MD
 Sample : VSTD00585
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Quant Time: Apr 12 01:27:32 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	557709	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	480056	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	199755	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	216013	5.07	ug/L	0.00
7) Chloroethane-d5	2.62	69	194302	5.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	615545	5.48	ug/L	0.00
20) 2-Butanone-d5	6.58	46	209244	54.44	ug/L	0.00
24) Chloroform-d	7.20	84	441189	5.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	185091	5.36	ug/L	0.00
32) Benzene-d6	7.85	84	827929	5.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	213937	5.33	ug/L	0.00
41) Toluene-d8	9.97	98	781317	5.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	50392	4.84	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	192498	65.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86250	5.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	158426	5.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	301821	5.196	ug/L 100
3) Chloromethane	2.01	50	312792	5.103	ug/L 100
5) Vinyl chloride	2.16	62	313371	5.168	ug/L 100
6) Bromomethane	2.52	94	191142	5.355	ug/L 100
8) Chloroethane	2.65	64	191440	5.470	ug/L 100
9) Trichlorofluoromethane	2.94	101	488168	5.742	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	250183	5.378	ug/L 100
12) 1,1-Dichloroethene	3.62	96	266814	5.264	ug/L 100
13) Acetone	3.69	43	189131	48.687	ug/L 100
14) Carbon disulfide	3.92	76	753561	5.187	ug/L 100
15) Methyl Acetate	4.19	43	54559	5.120	ug/L 100
16) Methylene chloride	4.40	84	227418	5.010	ug/L 100
17) Methyl tert-butyl Ether	4.88	73	247650	4.459	ug/L 100
18) trans-1,2-Dichloroethene	4.88	96	238930	5.064	ug/L 100
19) 1,1-Dichloroethane	5.69	63	433581	4.961	ug/L 100
21) 2-Butanone	6.69	43	272229	54.124	ug/L 100
22) cis-1,2-Dichloroethene	6.67	96	215957	5.458	ug/L 100
23) Bromochloromethane	7.05	128	64921	5.220	ug/L 100
25) Chloroform	7.23	83	431754	5.126	ug/L 100
27) 1,2-Dichloroethane	7.99	62	215367	5.111	ug/L 100
29) 1,1,1-Trichloroethane	7.43	97	372976	4.782	ug/L 100
30) Cyclohexane	7.51	56	395458	5.460	ug/L 100
31) Carbon tetrachloride	7.63	117	373476	4.989	ug/L 100
33) Benzene	7.90	78	980856	5.220	ug/L 100
34) Trichloroethene	8.71	95	249498	4.966	ug/L 100
35) Methylcyclohexane	8.95	83	393771	5.508	ug/L 100
37) 1,2-Dichloropropane	8.99	63	205376	4.991	ug/L 100
38) Bromodichloromethane	9.28	83	239457	5.004	ug/L 100
39) cis-1,3-Dichloropropene	9.72	75	244327	5.487	ug/L 100
40) 4-Methyl-2-pentanone	9.86	43	697975	56.904	ug/L 100

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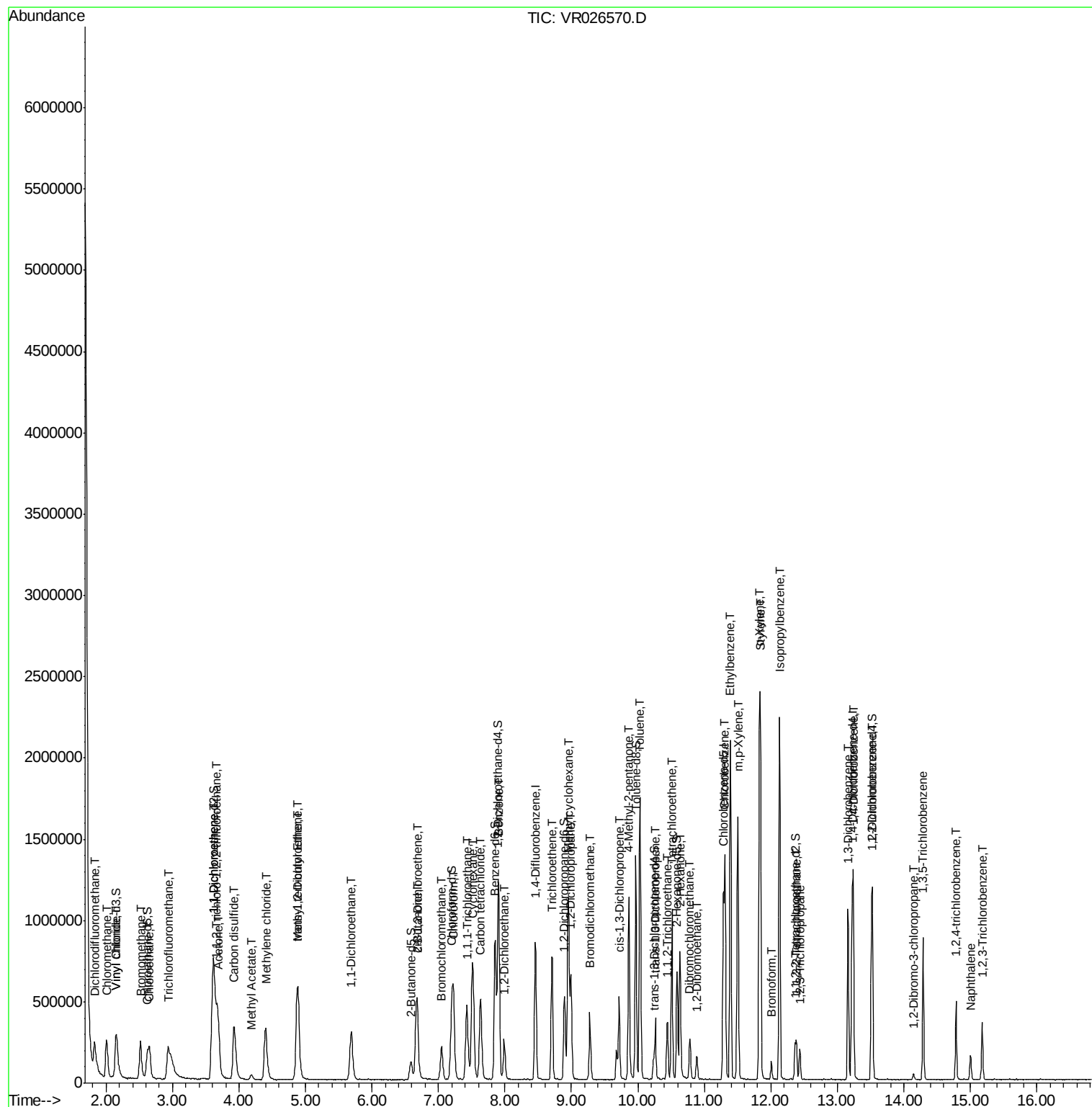
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1054266	5.451	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	160526	4.984	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	88659	5.229	ug/L	100
47) Tetrachloroethene	10.51	164	184677	5.107	ug/L	100
48) 2-Hexanone	10.63	43	482973	58.750	ug/L	100
49) Dibromochloromethane	10.78	129	109860	4.994	ug/L	100
50) 1,2-Dibromoethane	10.88	107	77783	5.336	ug/L	100
51) Chlorobenzene	11.32	112	563482	5.150	ug/L	100
52) Ethylbenzene	11.39	91	1217117	5.470	ug/L	100
53) m,p-Xylene	11.50	106	423944	5.322	ug/L	100
54) o-Xylene	11.83	106	395431	5.622	ug/L	100
55) Styrene	11.84	104	621262	5.593	ug/L	100
56) Isopropylbenzene	12.13	105	1132210	5.703	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	85378	5.190	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	62795	5.051	ug/L	100
61) Bromoform	12.01	173	39242	4.441	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	315477	4.972	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	354661	4.909	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	274900	5.142	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	8204	4.075	ug/L	100
67) 1,3,5-Trichlorobenzene	14.29	180	202045	4.841	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	110054	4.779	ug/L	100
69) Naphthalene	15.00	128	97008	4.540	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	86055	5.294	ug/L	100

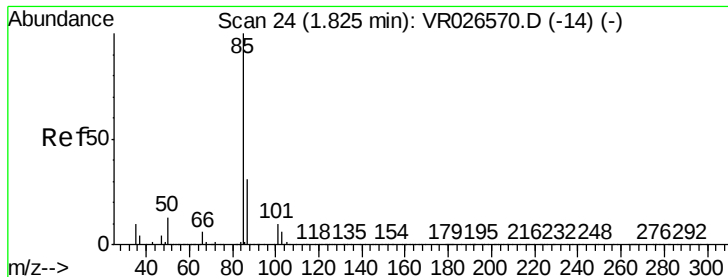
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.196 ug/L

RT: 1.82 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

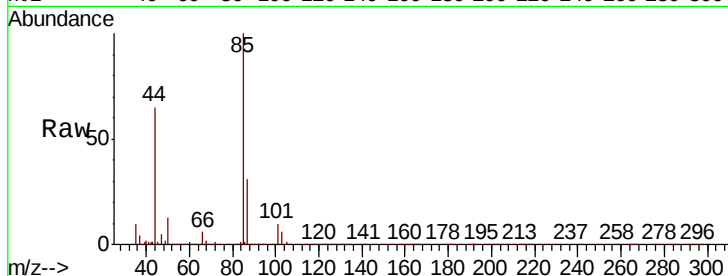
VSTD00585

Tot Ion: 85 Resp: 301821

Ion Ratio Lower Upper

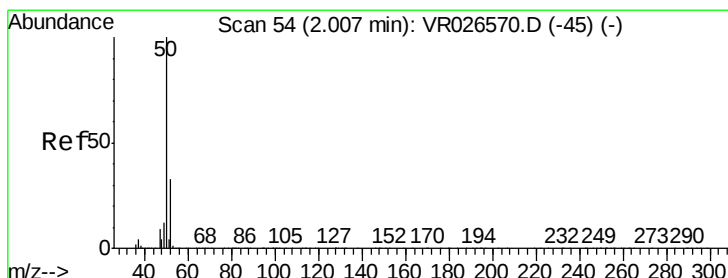
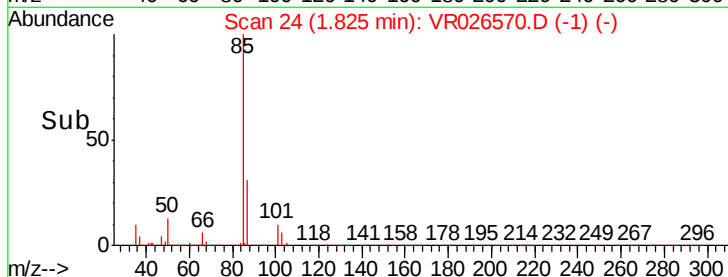
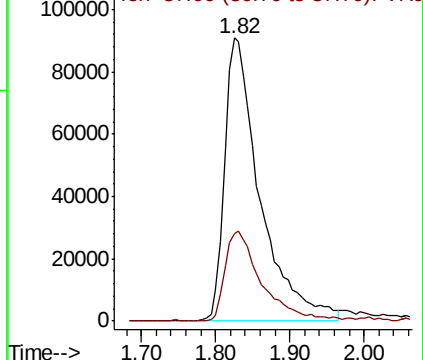
85 100

87 32.8 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: 5.103 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026570.D

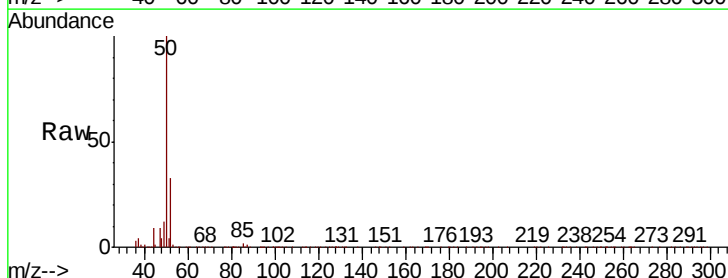
Acq: 11 Apr 2019 11:22

Tgt Ion: 50 Resp: 312792

Ion Ratio Lower Upper

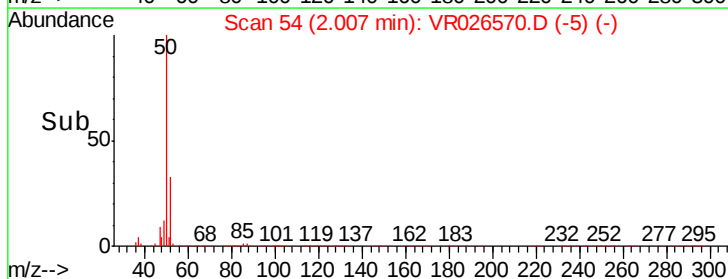
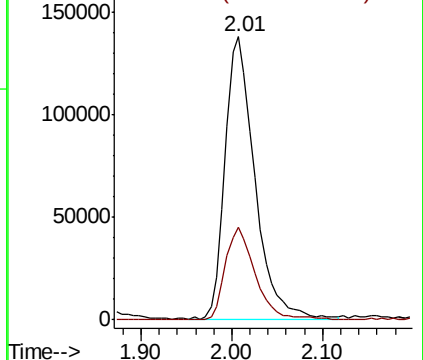
50 100

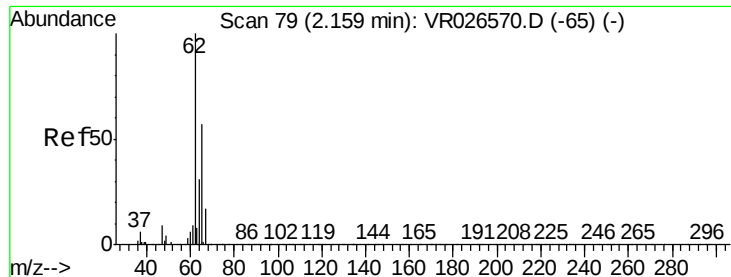
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.168 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

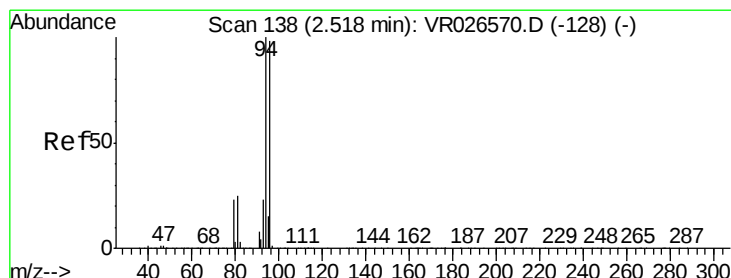
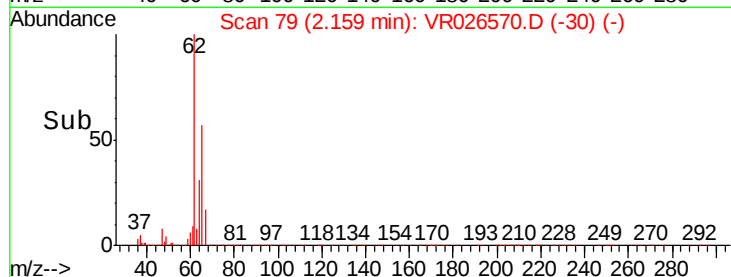
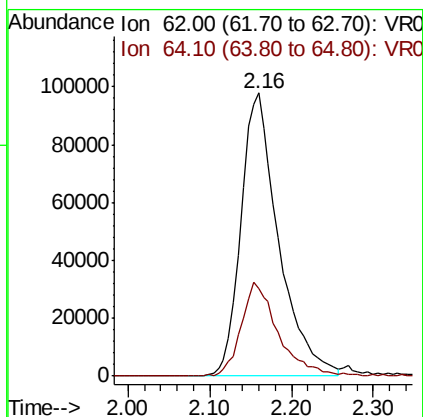
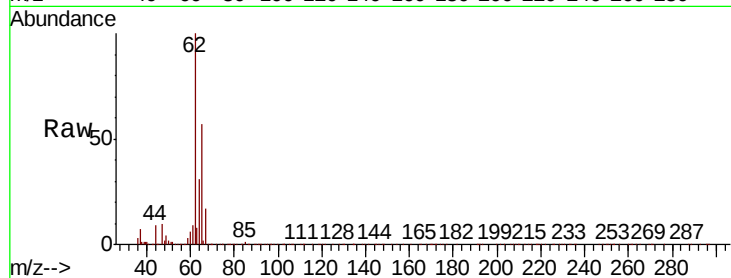
VSTD00585

Tot Ion: 62 Resp: 313371

Ion Ratio Lower Upper

62 100

64 30.9 21.6 40.2



#6

Bromomethane

Concen: 5.355 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR026570.D

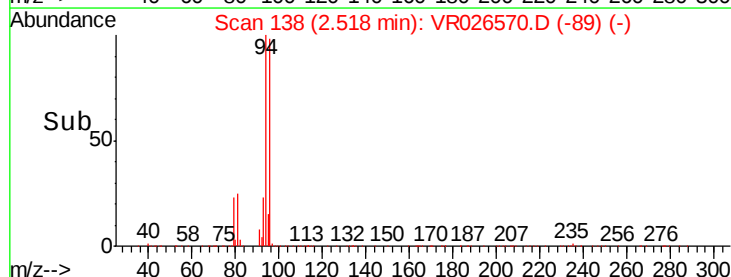
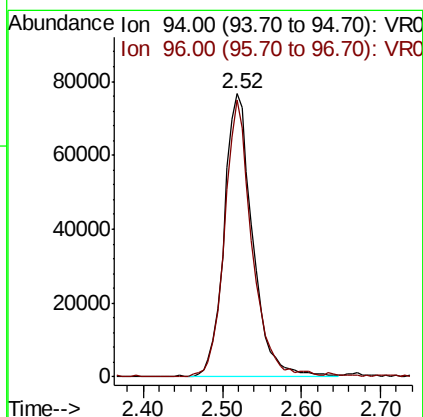
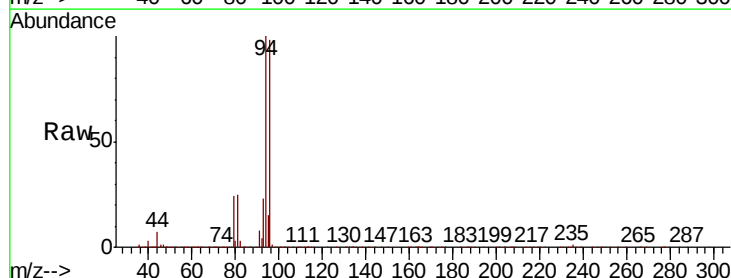
Acq: 11 Apr 2019 11:22

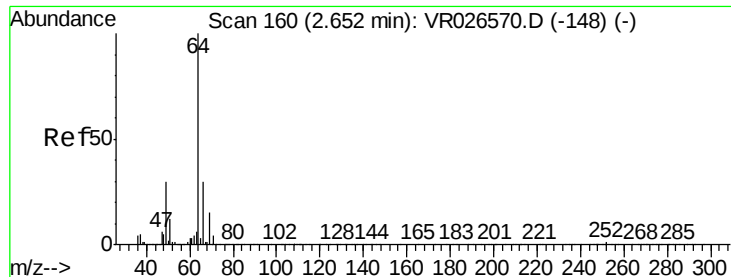
Tgt Ion: 94 Resp: 191142

Ion Ratio Lower Upper

94 100

96 97.9 68.5 127.3





#8

Chloroethane

Concen: 5.470 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

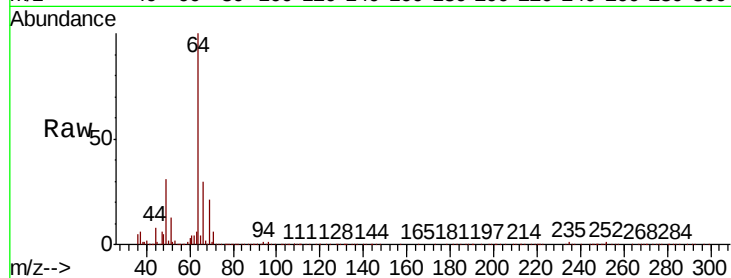
VSTD00585

Tot Ion: 64 Resp: 191440

Ion Ratio Lower Upper

64 100

66 29.6 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

80000

60000

40000

20000

0

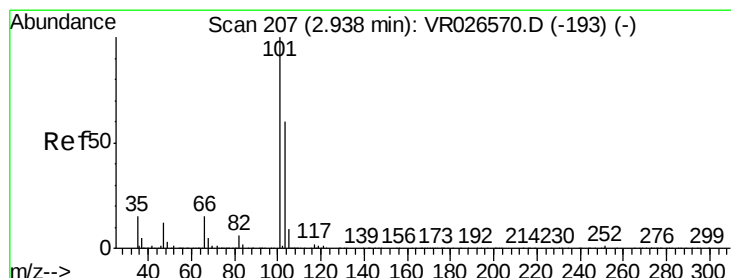
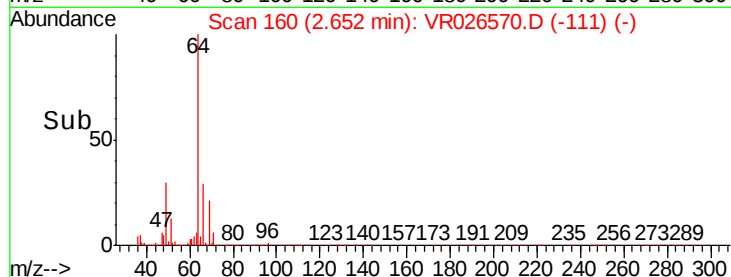
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 5.742 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR026570.D

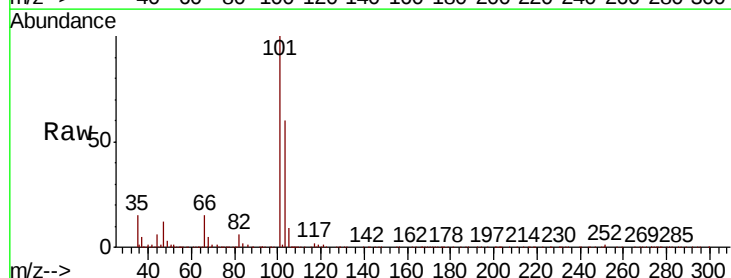
Acq: 11 Apr 2019 11:22

Tgt Ion:101 Resp: 488168

Ion Ratio Lower Upper

101 100

103 63.4 50.7 76.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

80000

60000

40000

20000

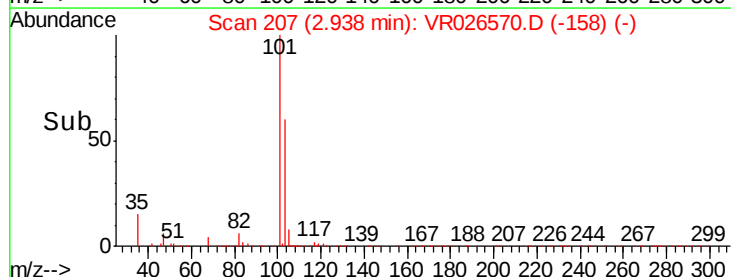
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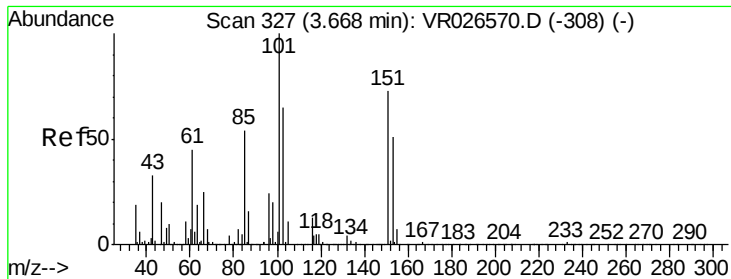
Time-->

2.80

3.00

3.20





#10

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

Concen: 5.378 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.00 min

Lab File: VR026570.D

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MSVOA_R

ClientSampleId :

VSTD00585

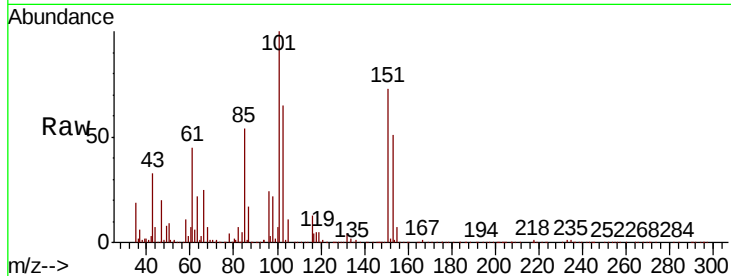
Tot Ion:101 Resp: 250183

Ion Ratio Lower Upper

101 100

85 50.5 40.4 60.6

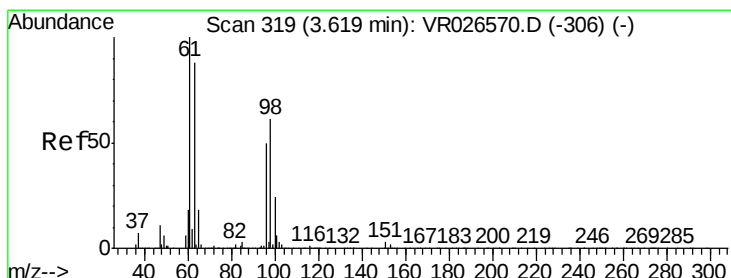
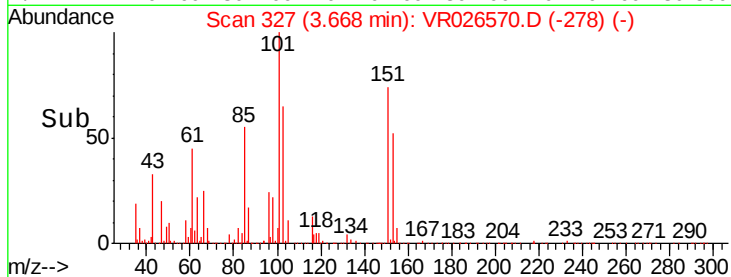
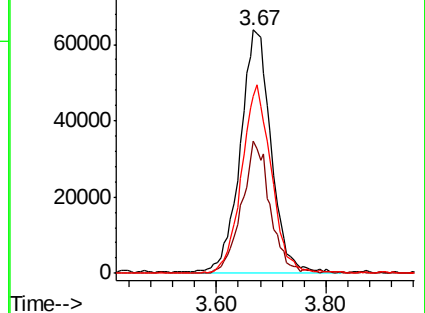
151 74.2 59.4 89.0



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: 5.264 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

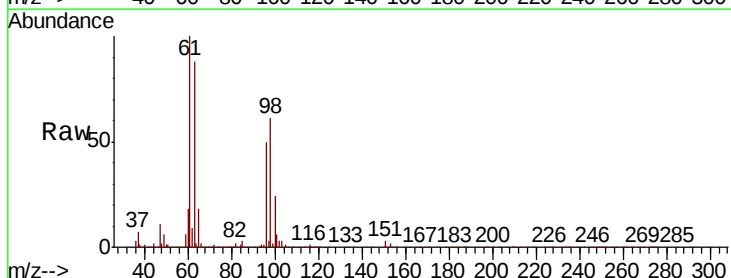
Tgt Ion: 96 Resp: 266814

Ion Ratio Lower Upper

96 100

61 201.2 140.8 261.6

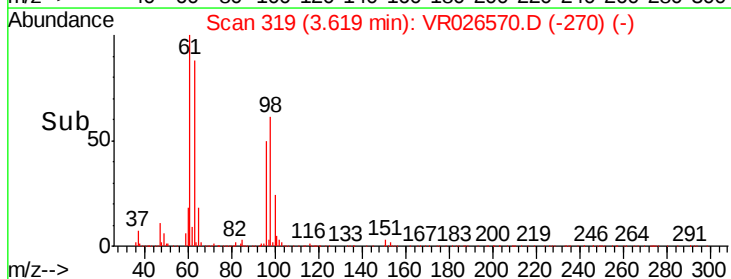
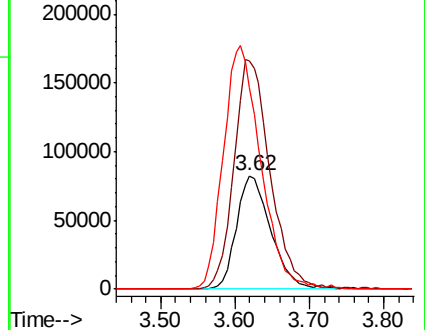
63 177.2 124.0 230.4

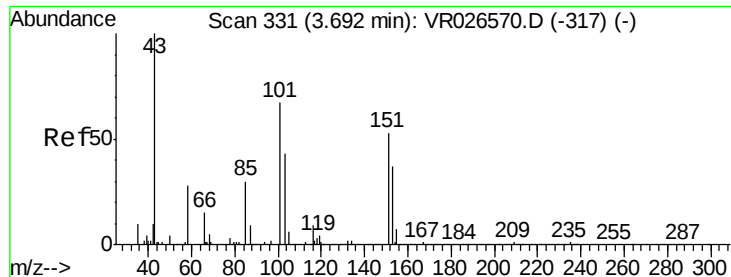


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 48.687 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

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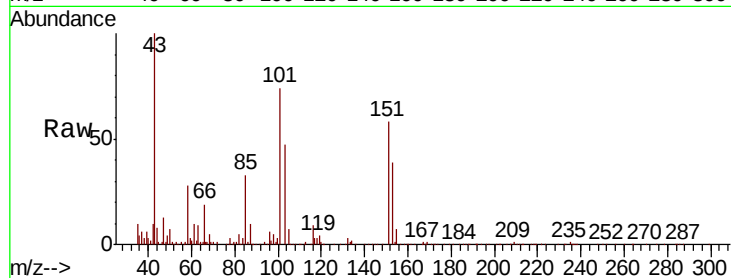
VSTD00585

Tot Ion: 43 Resp: 189131

Ion Ratio Lower Upper

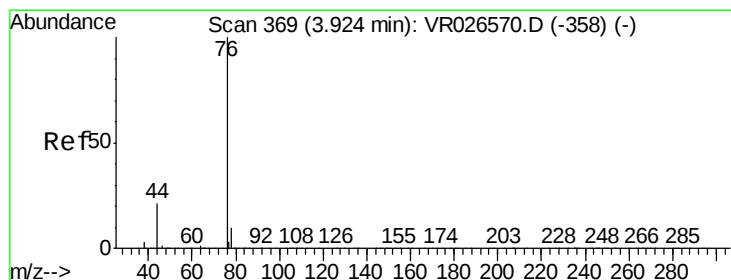
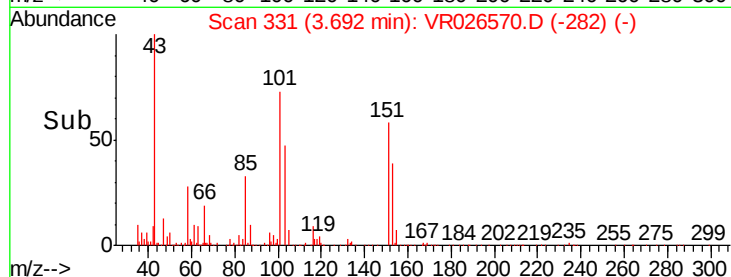
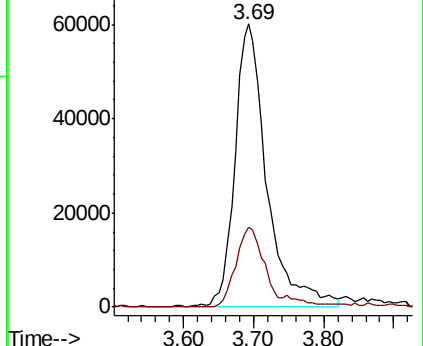
43 100

58 24.7 0.0 49.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 5.187 ug/L

RT: 3.92 min Scan# 369

Delta R.T. 0.00 min

Lab File: VR026570.D

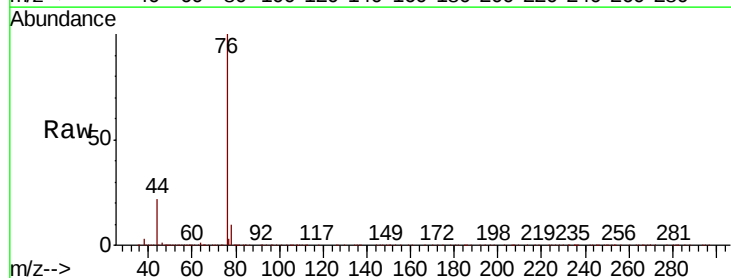
Acq: 11 Apr 2019 11:22

Tgt Ion: 76 Resp: 753561

Ion Ratio Lower Upper

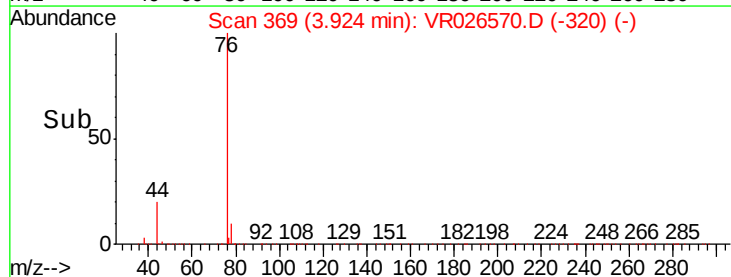
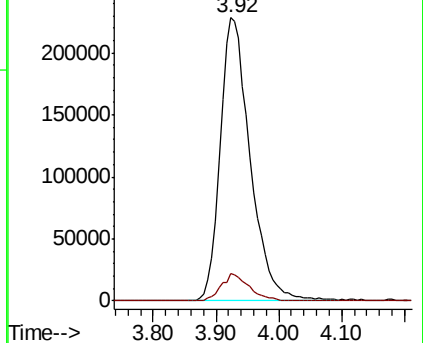
76 100

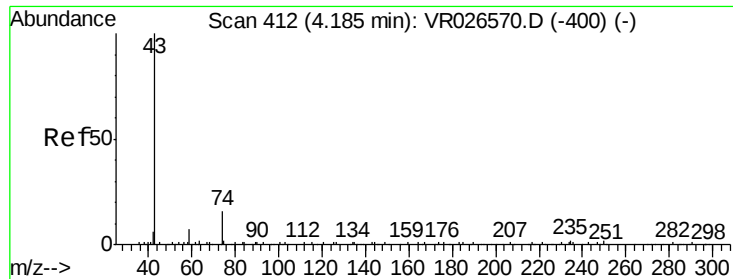
78 9.9 7.9 11.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

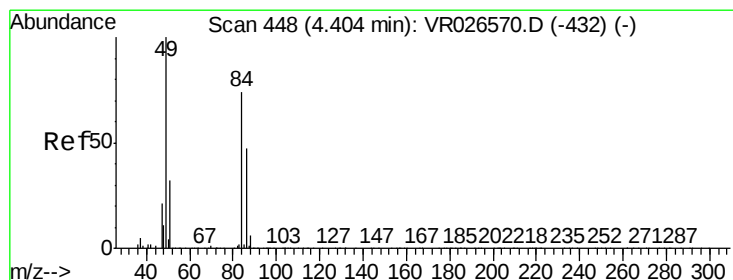
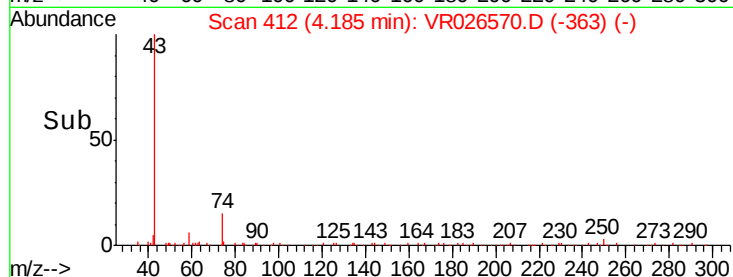
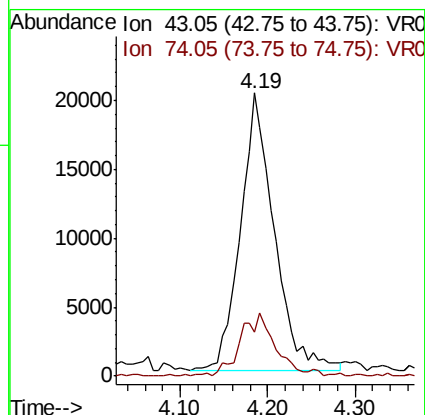
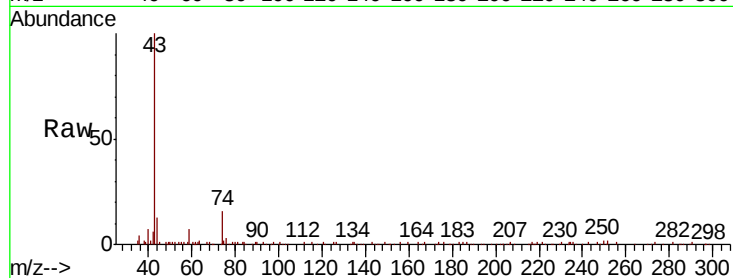




#15
Methyl Acetate
Concen: 5.120 ug/L
RT: 4.19 min Scan# 412
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

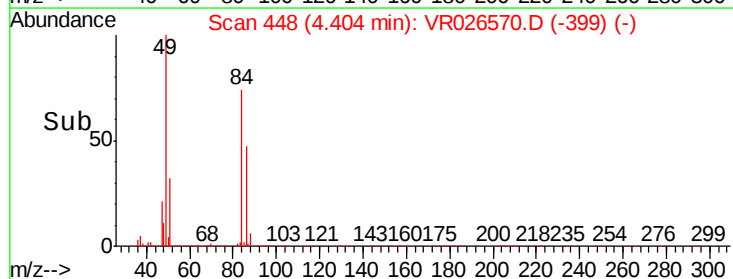
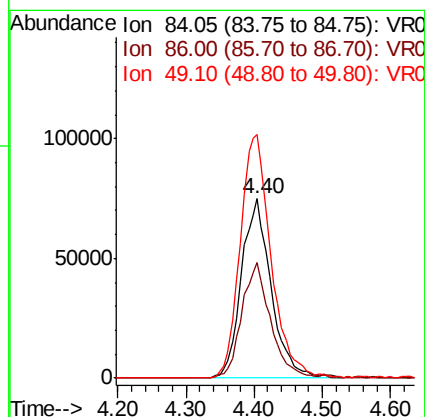
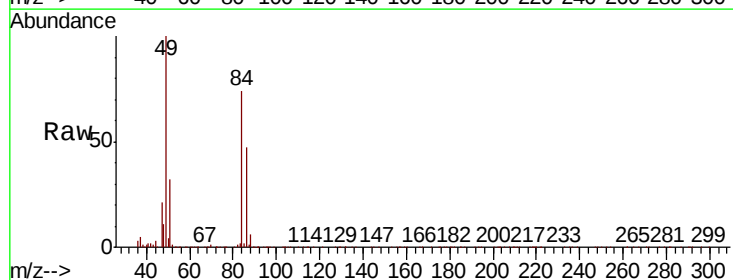
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

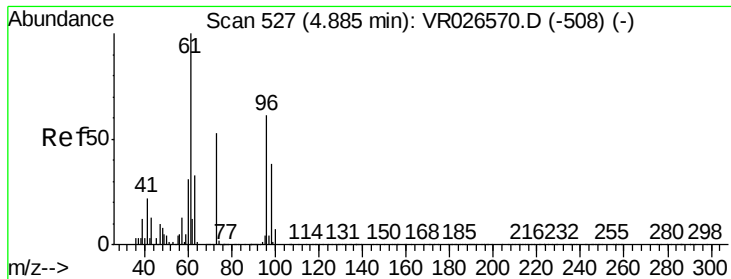
Tot Ion: 43 Resp: 54559
Ion Ratio Lower Upper
43 100
74 11.3 9.0 13.6



#16
Methylene chloride
Concen: 5.010 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Tgt Ion: 84 Resp: 227418
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 136.0 95.2 176.8

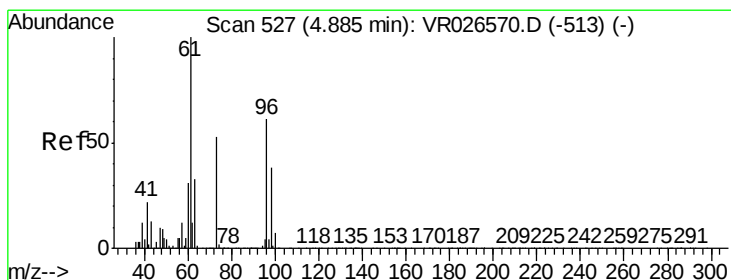
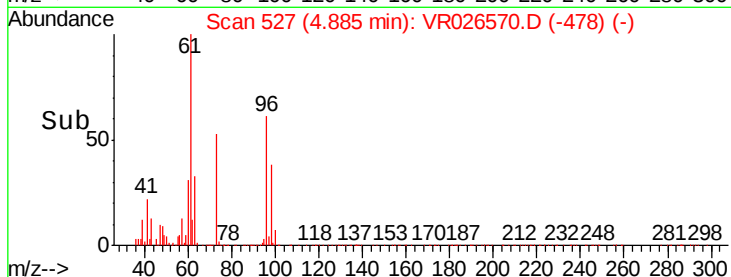
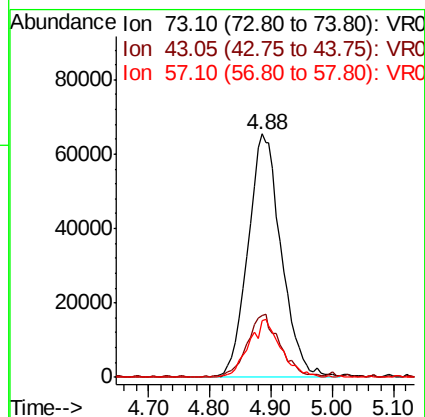
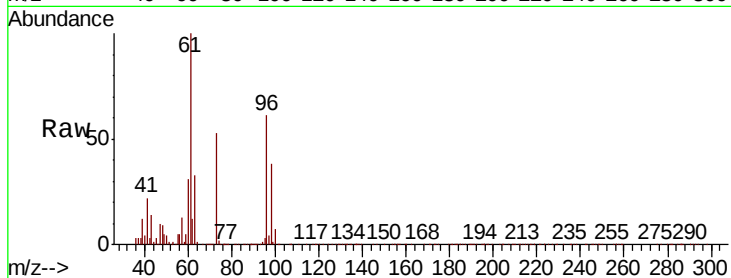




#17
Methvl tert-butvl Ether
Concen: 4.459 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

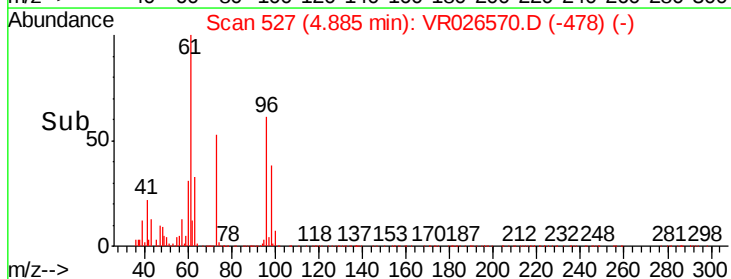
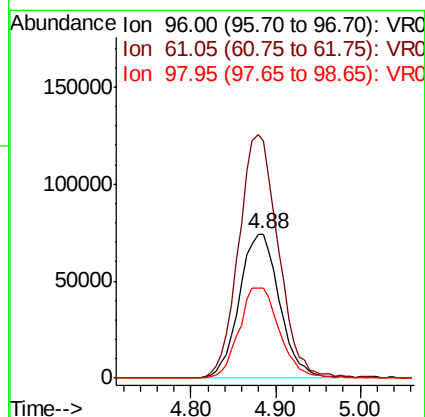
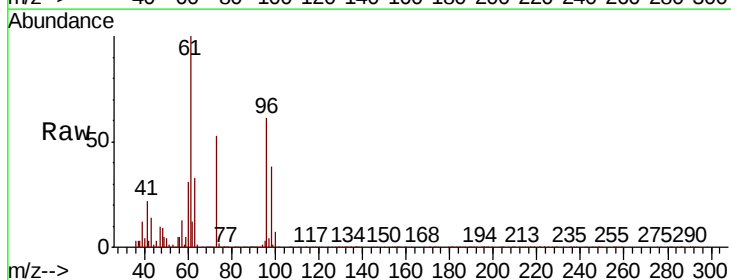
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

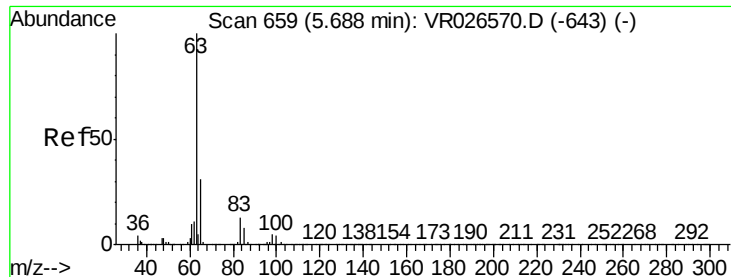
Tot Ion: 73 Resp: 247650
Ion Ratio Lower Upper
73 100
43 25.7 20.6 30.8
57 23.2 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 5.064 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Tgt Ion: 96 Resp: 238930
Ion Ratio Lower Upper
96 100
61 165.0 115.5 214.5
98 62.3 43.6 81.0

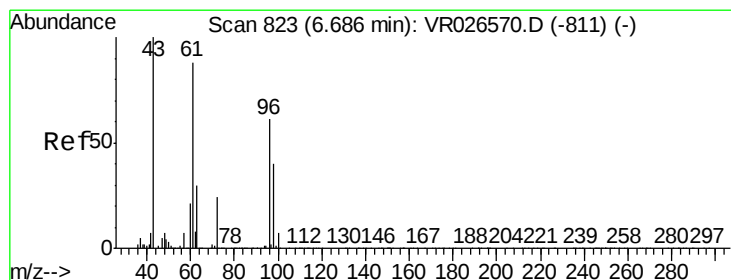
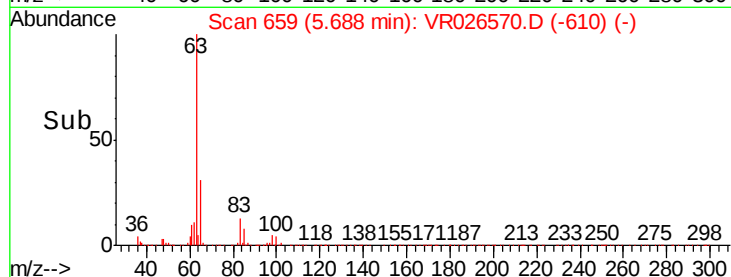
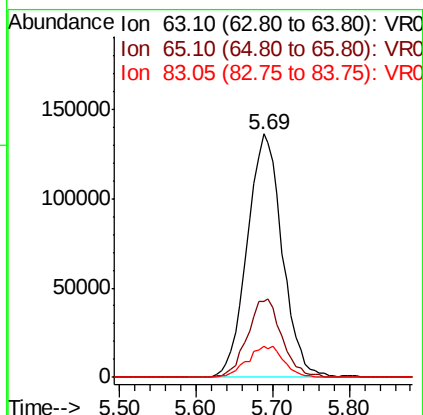
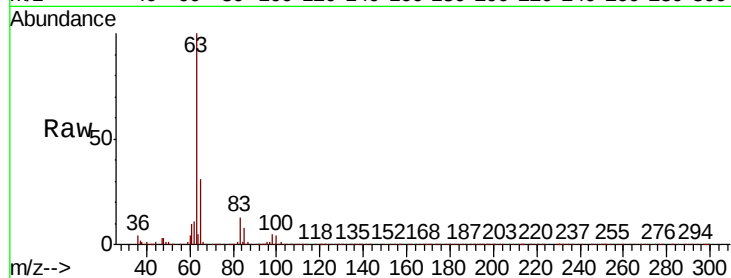




#19
 1,1-Dichloroethane
 Concen: 4.961 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

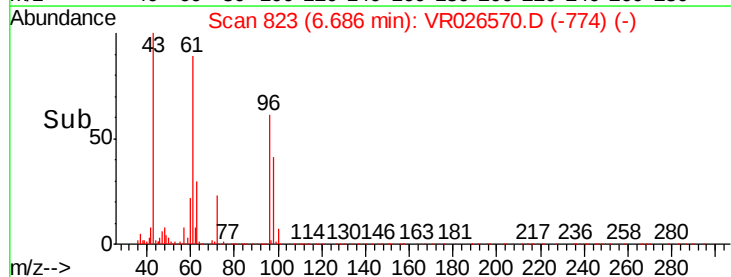
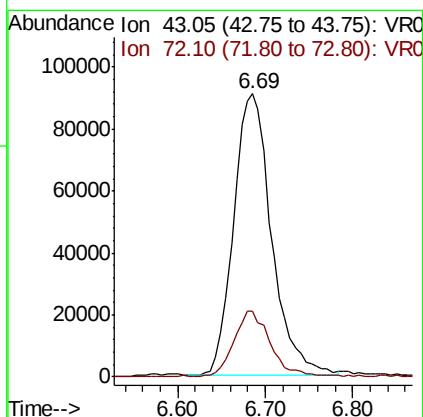
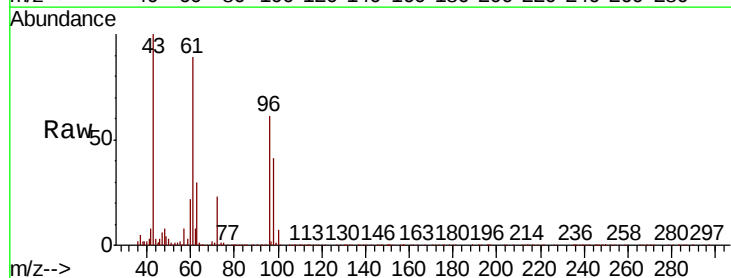
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

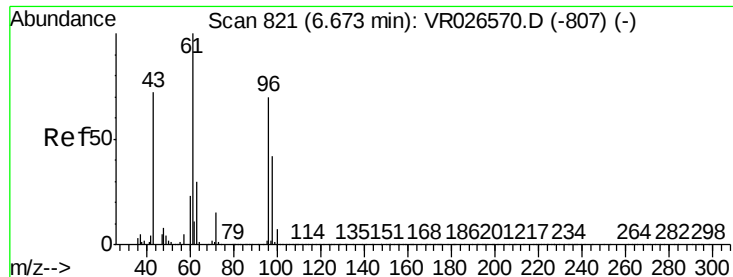
Tot Ion:	63	Resp:	433581
Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.9	40.7
83	12.7	8.9	16.5



#21
 2-Butanone
 Concen: 54.124 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion:	43	Resp:	272229
Ion	Ratio	Lower	Upper
43	100		
72	22.2	11.1	33.3



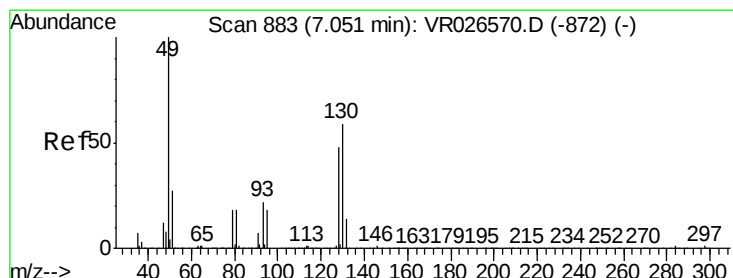
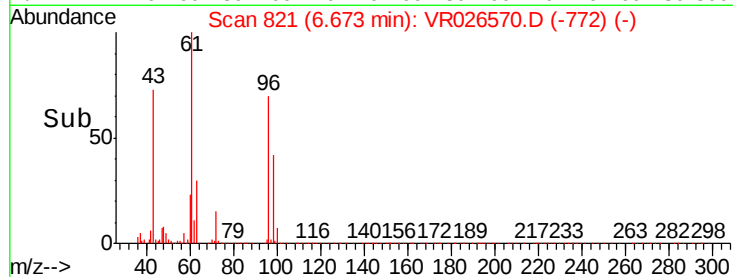
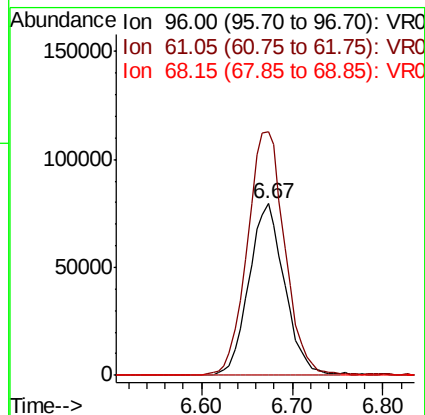
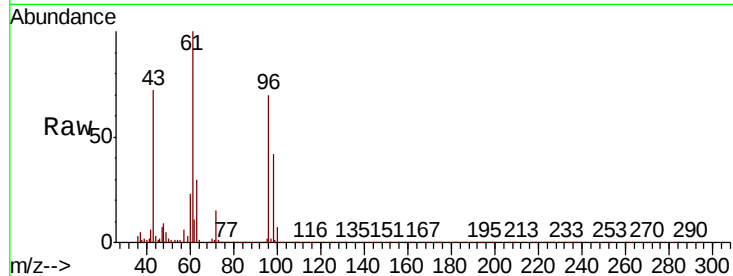


#22

cis-1,2-Dichloroethene
Concen: 5.458 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

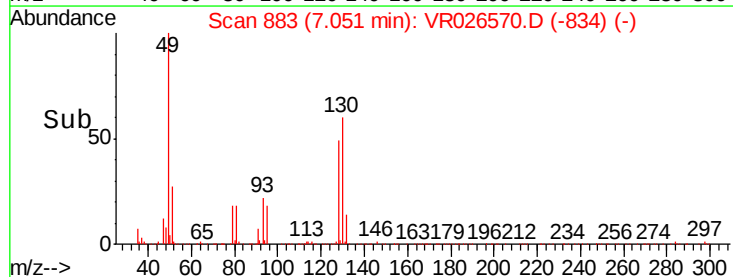
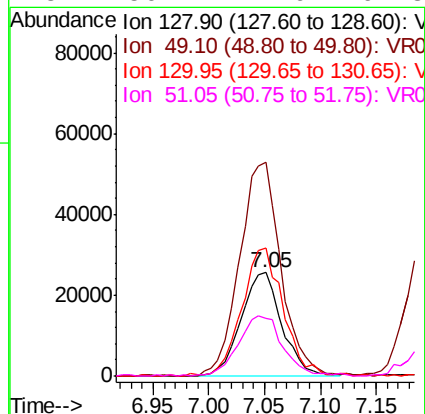
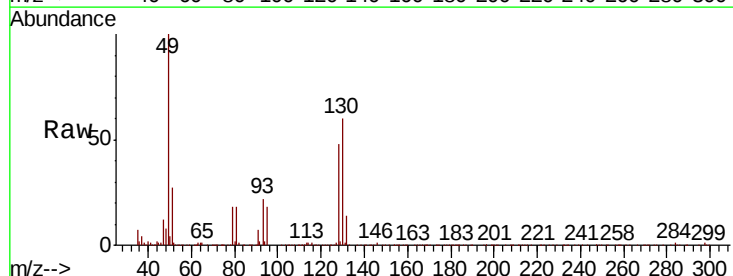
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	99.3	184.5
68	0.2	0.1	0.3

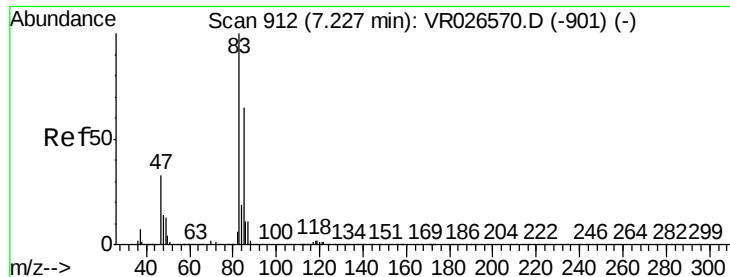


#23

Bromochloromethane
Concen: 5.220 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
128	100		
49	206.3	144.4	268.2
130	123.1	86.2	160.0
51	56.1	44.9	67.3





#25

Chloroform

Concen: 5.126 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

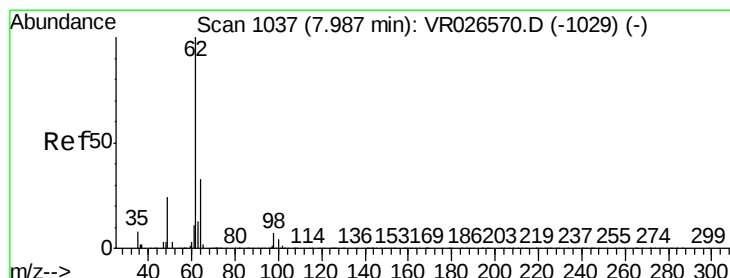
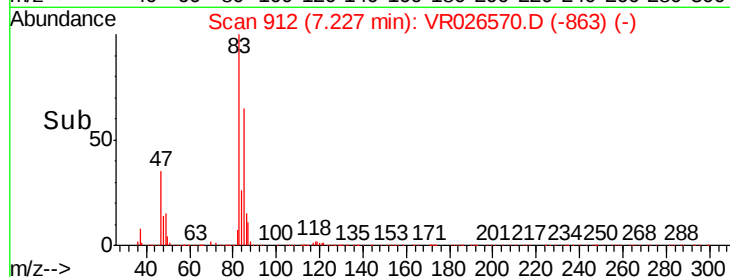
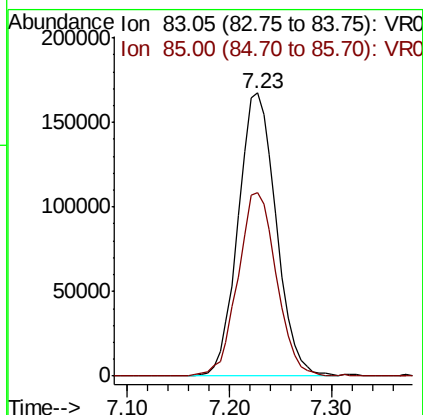
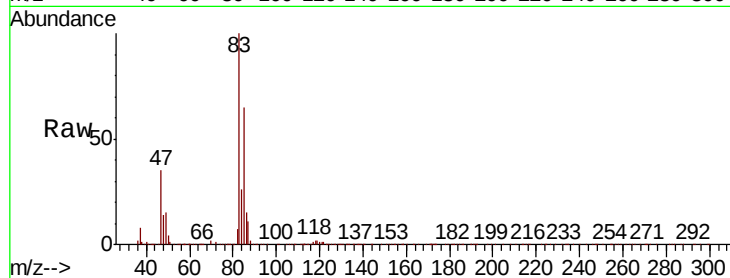
VSTD00585

Tot Ion: 83 Resp: 431754

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6



#27

1,2-Dichloroethane

Concen: 5.111 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VR026570.D

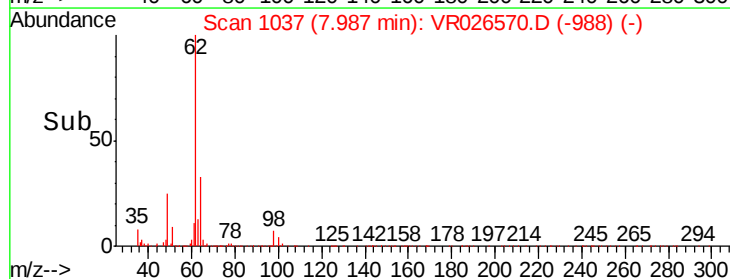
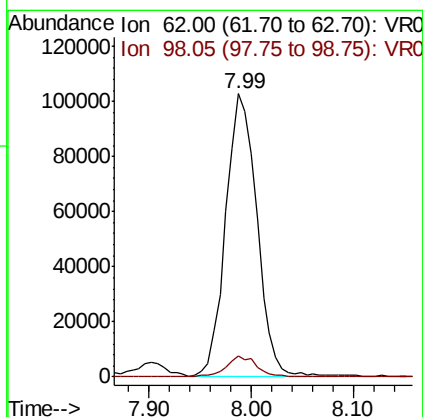
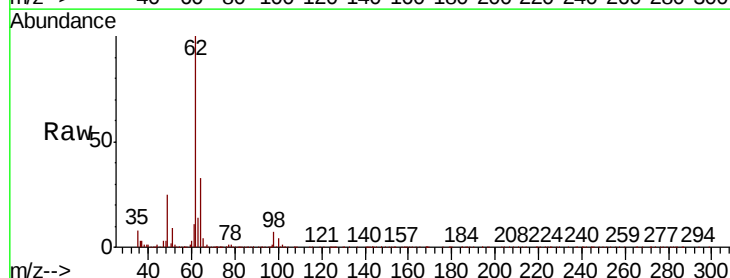
Acq: 11 Apr 2019 11:22

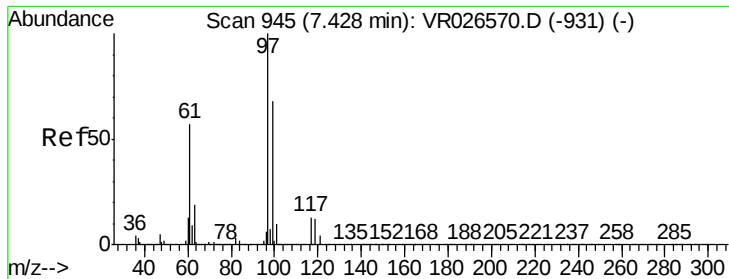
Tgt Ion: 62 Resp: 215367

Ion Ratio Lower Upper

62 100

98 7.5 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 4.782 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

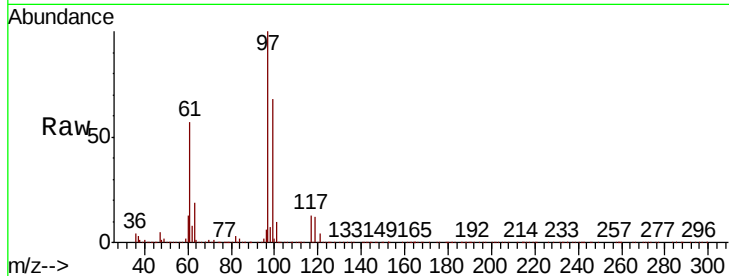
Tot Ion: 97 Resp: 372976

Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

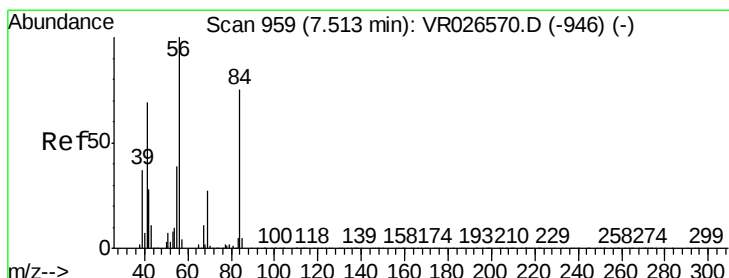
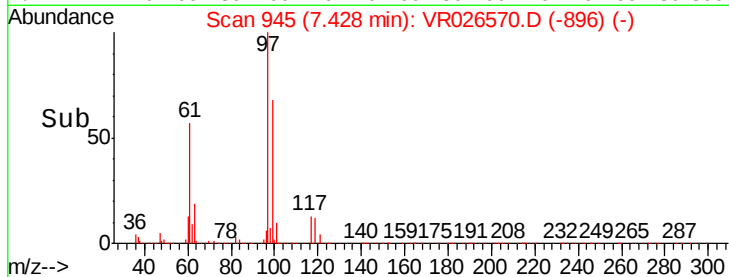
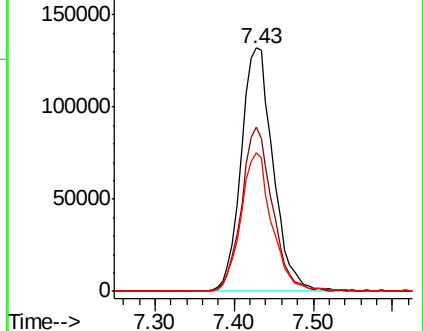
61 55.6 44.5 66.7



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: 5.460 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

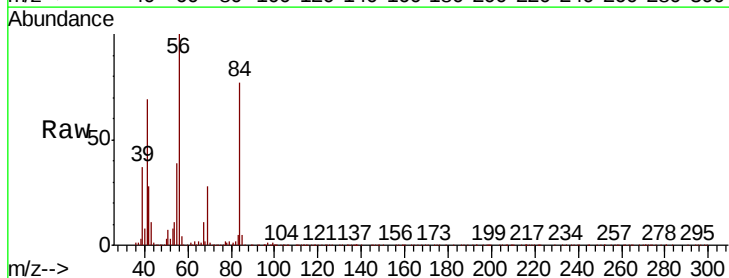
Tgt Ion: 56 Resp: 395458

Ion Ratio Lower Upper

56 100

69 28.7 23.0 34.4

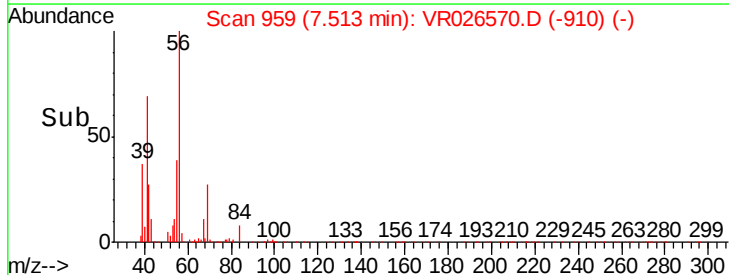
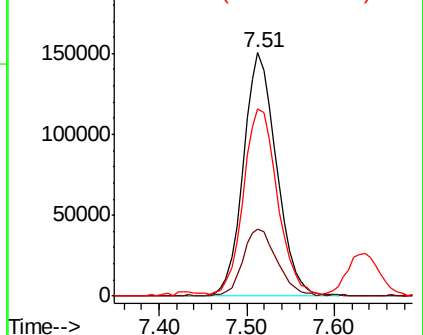
84 79.2 63.4 95.0

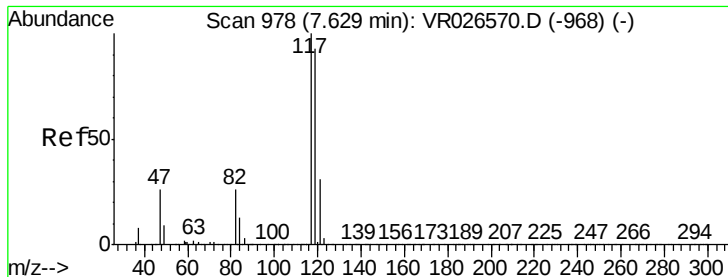


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

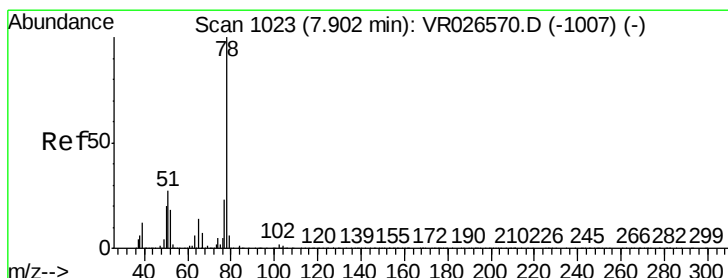
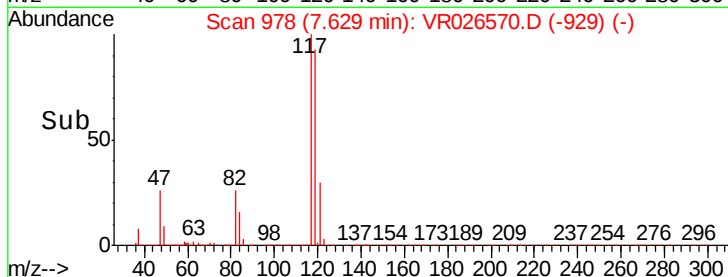
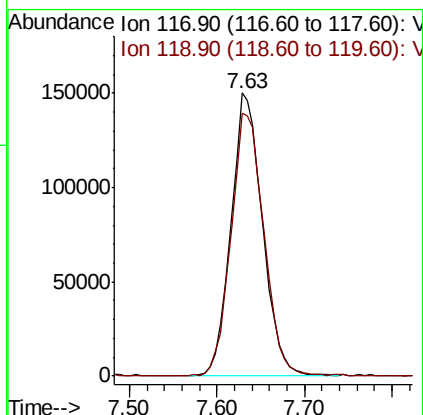
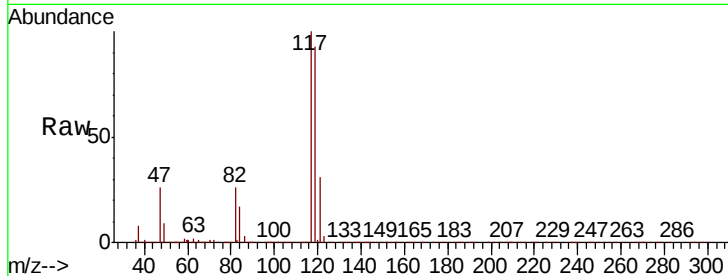




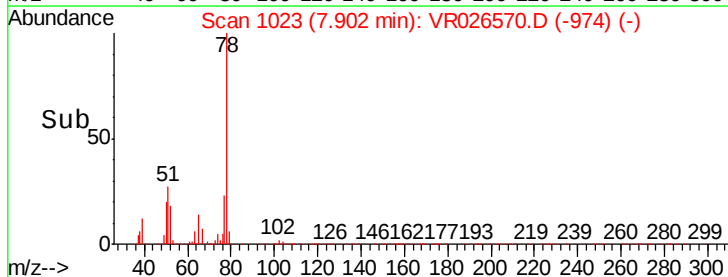
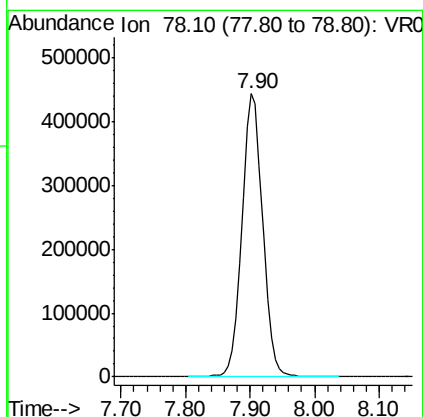
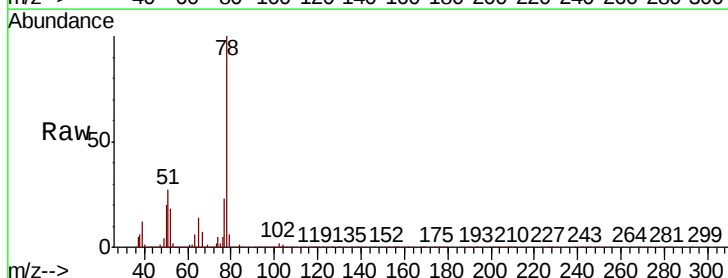
#31
Carbon tetrachloride
Concen: 4.989 ug/L
RT: 7.63 min Scan# 978
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

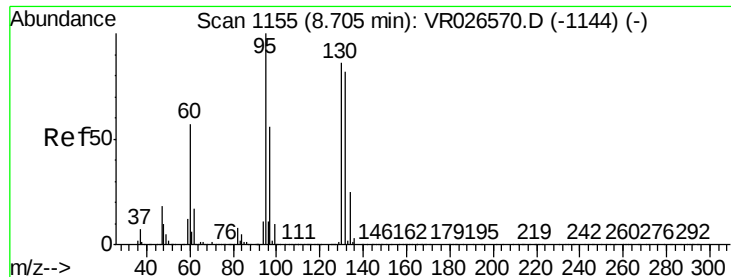
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

Tot Ion:117 Resp: 373476
Ion Ratio Lower Upper
117 100
119 97.4 77.9 116.9



#33
Benzene
Concen: 5.220 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22
Tgt Ion: 78 Resp: 980856

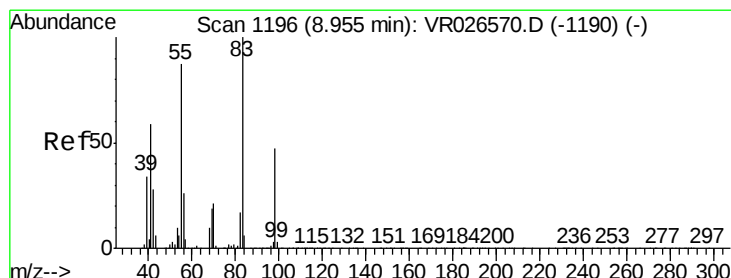
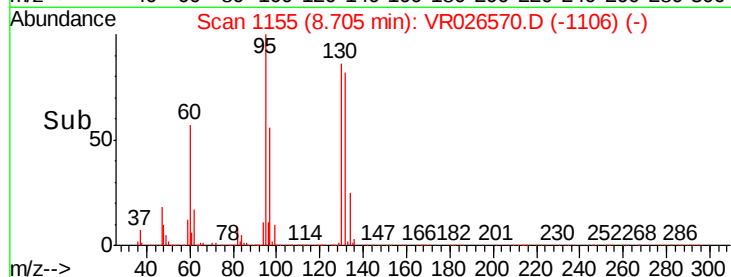
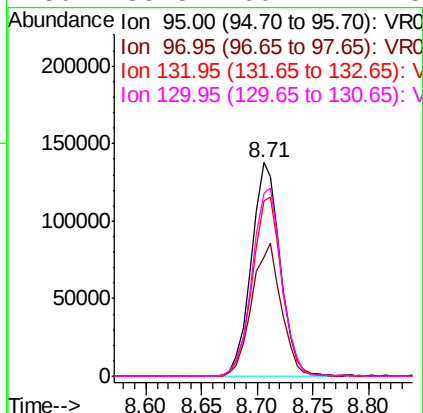
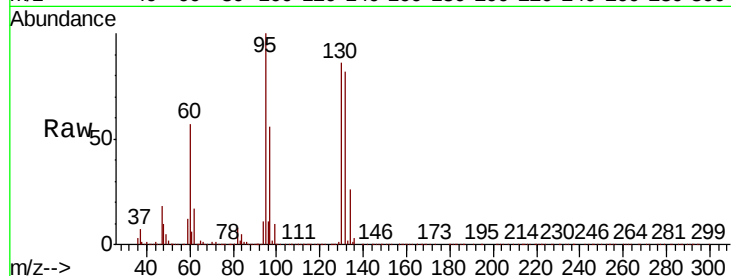




#34
 Trichloroethene
 Concen: 4.966 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

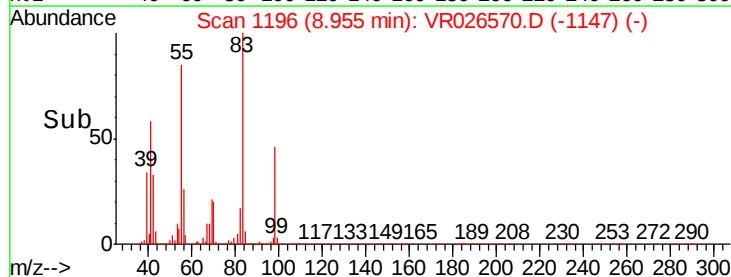
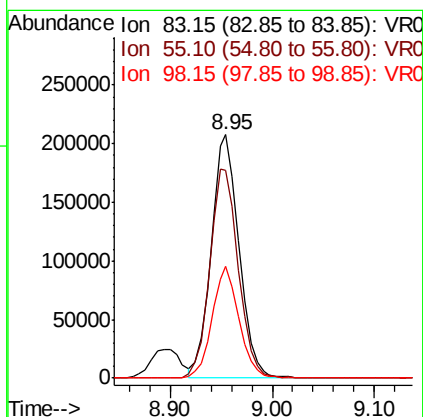
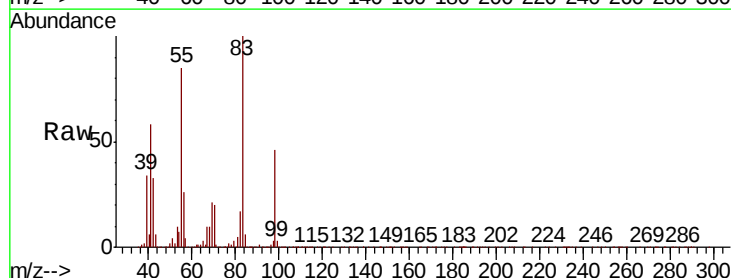
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

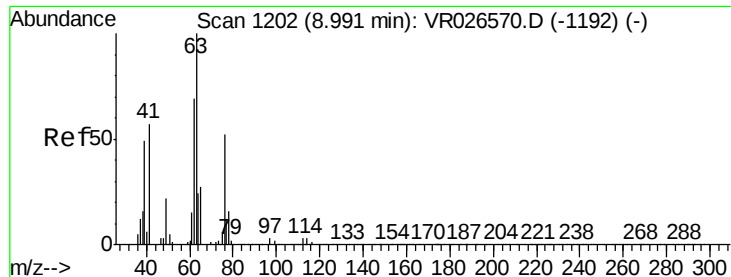
Tot Ion:	95	Resp:	249498
Ion	Ratio	Lower	Upper
95	100		
97	55.9	39.1	72.7
132	82.3	57.6	107.0
130	85.8	60.1	111.5



#35
 Methylcyclohexane
 Concen: 5.508 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion:	83	Resp:	393771
Ion	Ratio	Lower	Upper
83	100		
55	88.4	70.7	106.1
98	45.0	36.0	54.0

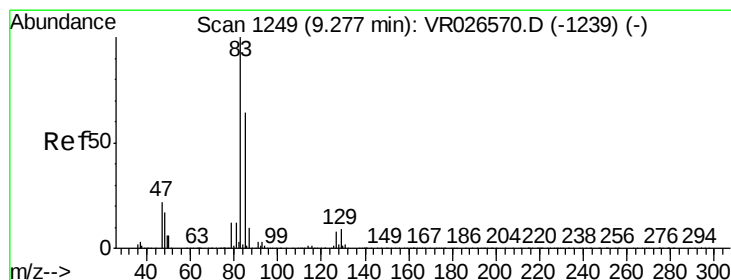
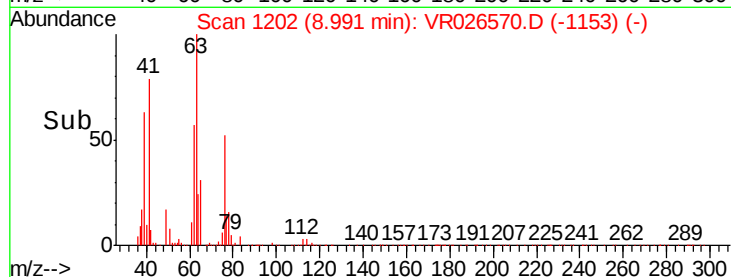
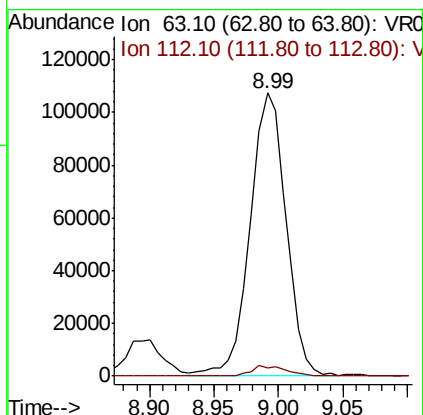
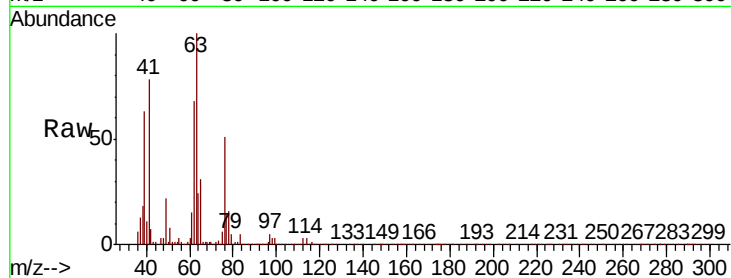




#37
 1,2-Dichloropropane
 Concen: 4.991 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

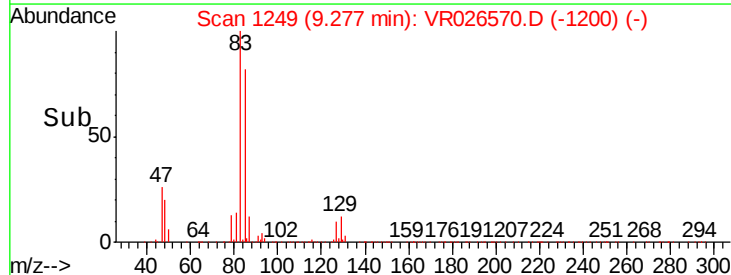
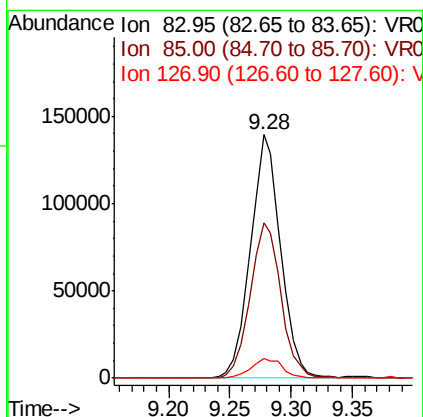
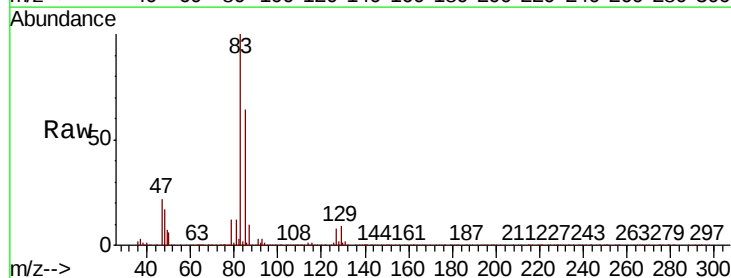
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

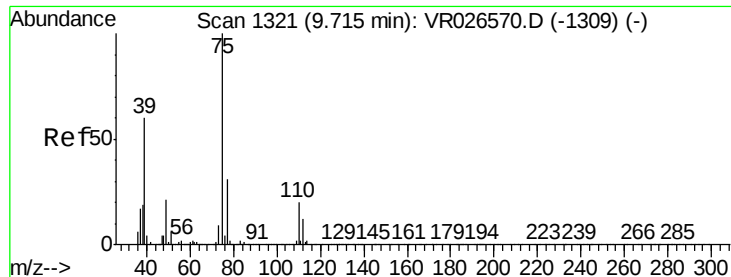
Tot Ion: 63 Resp: 205376
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.004 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion: 83 Resp: 239457
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 7.9 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 5.487 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

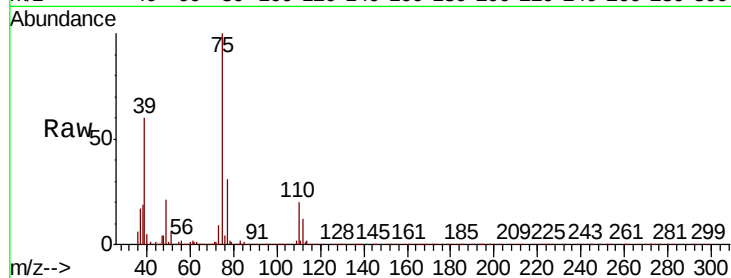
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

Tot Ion: 75 Resp: 244327

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

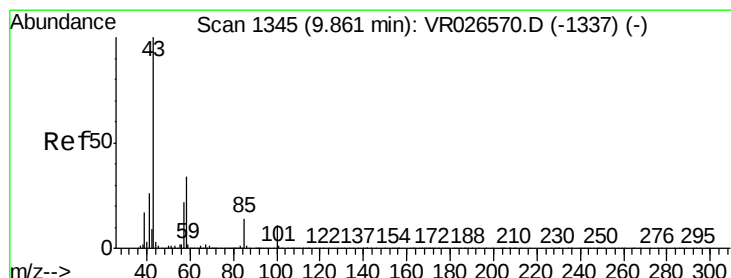
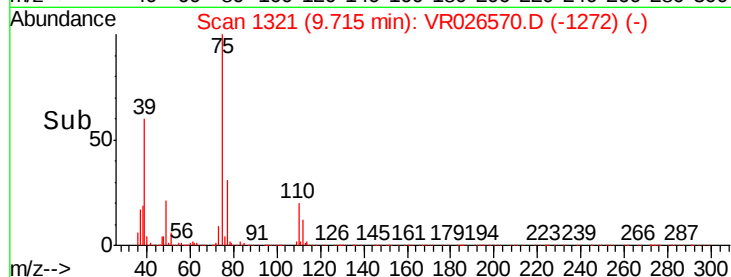
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 56.904 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

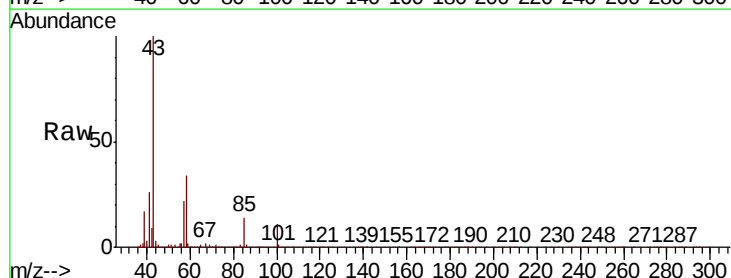
Tgt Ion: 43 Resp: 697975

Ion Ratio Lower Upper

43 100

58 33.7 27.0 40.4

100 11.3 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

500000

400000

300000

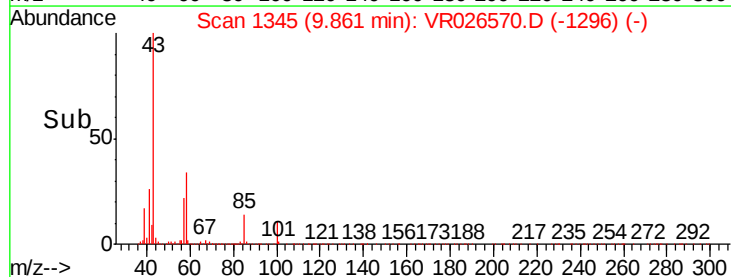
200000

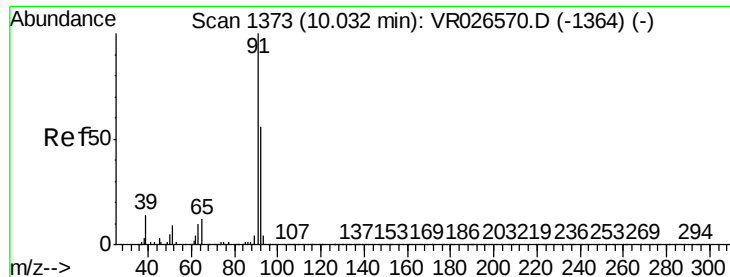
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.451 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

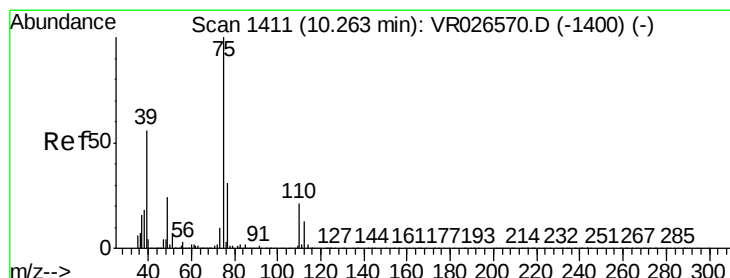
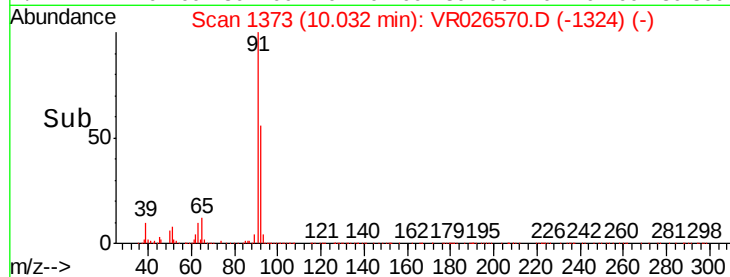
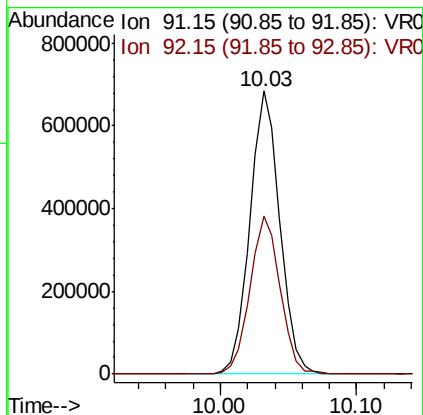
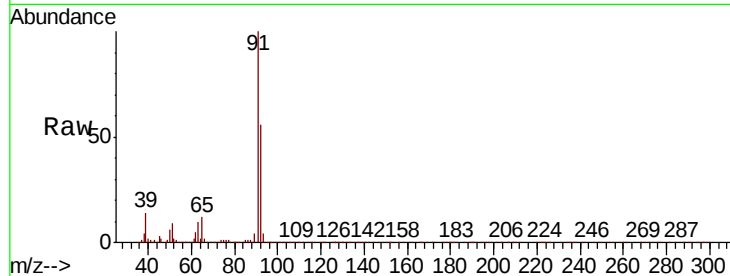
VSTD00585

Tot Ion: 91 Resp: 1054266

Ion Ratio Lower Upper

91 100

92 56.0 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 4.984 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026570.D

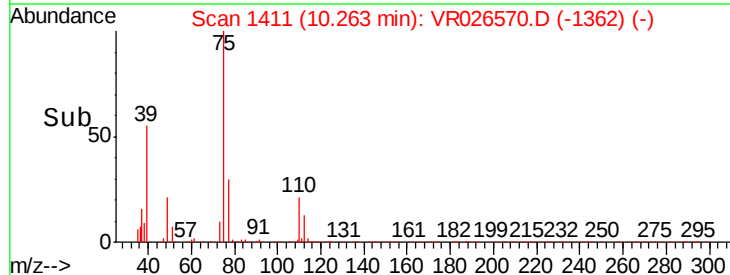
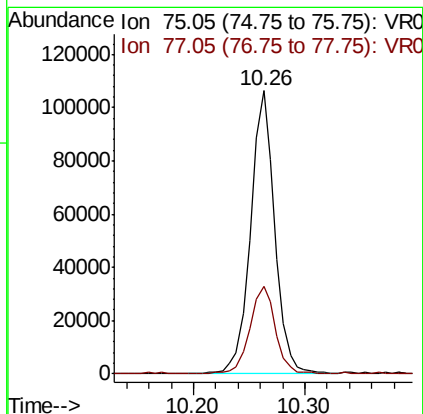
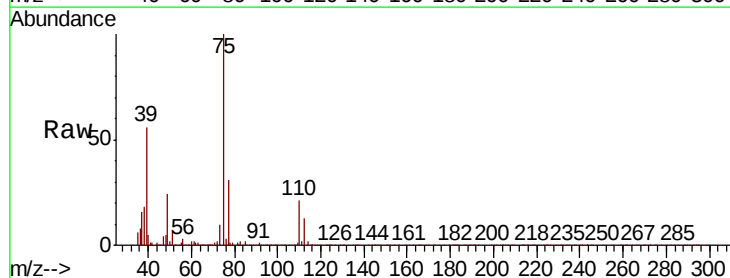
Acq: 11 Apr 2019 11:22

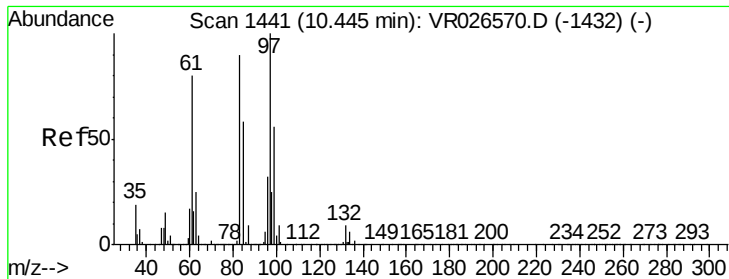
Tgt Ion: 75 Resp: 160526

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2

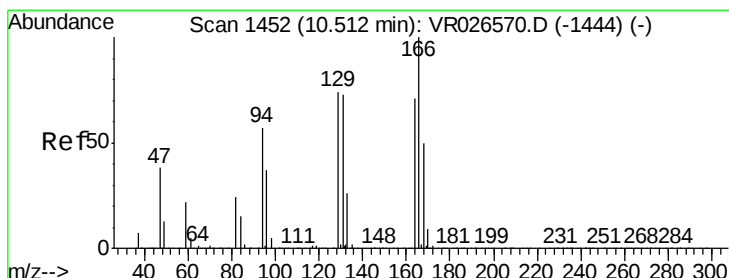
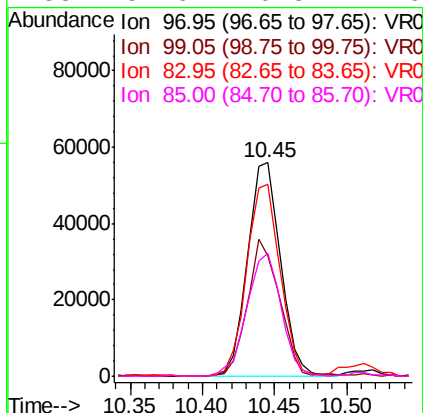
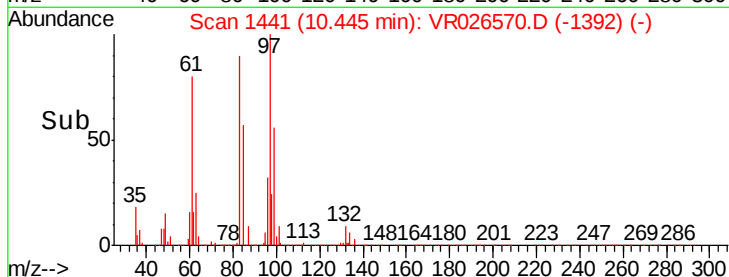
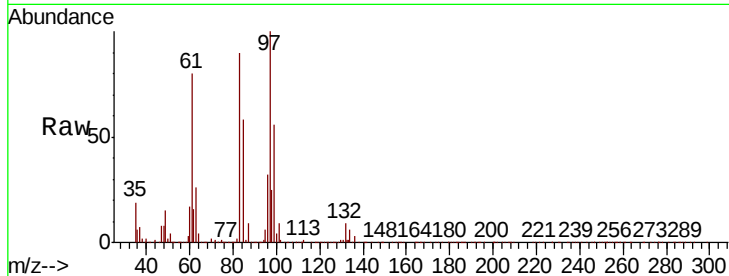




#45
 1,1,2-Trichloroethane
 Concen: 5.229 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

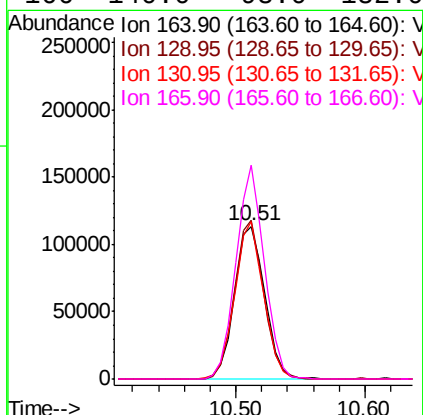
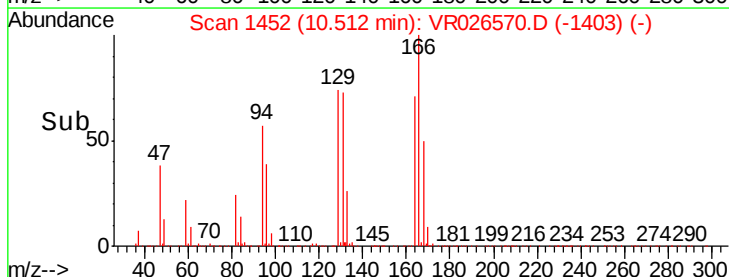
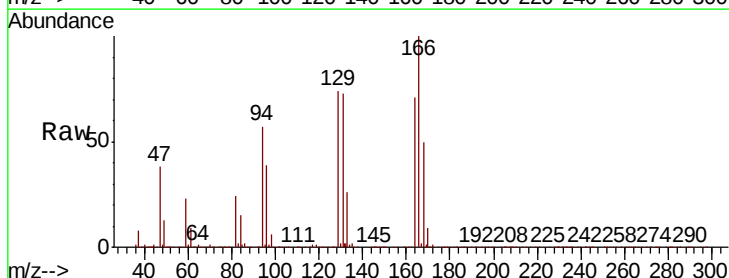
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

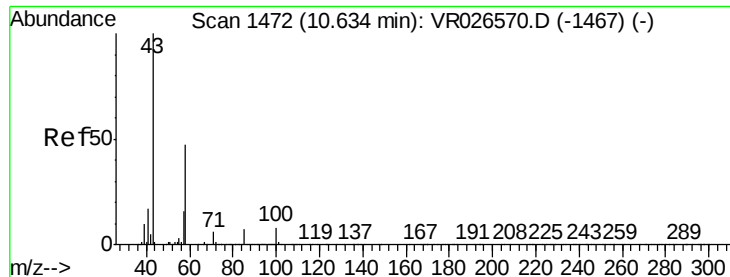
Tot Ion: 97	Resp: 88659
Ion Ratio	Lower Upper
97 100	
99 56.1	39.3 72.9
83 90.0	63.0 117.0
85 57.6	40.3 74.9



#47
 Tetrachloroethene
 Concen: 5.107 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt	Ion:164	Resp:	184677
Ion	Ratio	Lower	Upper
164	100		
129	103.8	72.7	134.9
131	102.8	72.0	133.6
166	140.0	98.0	182.0

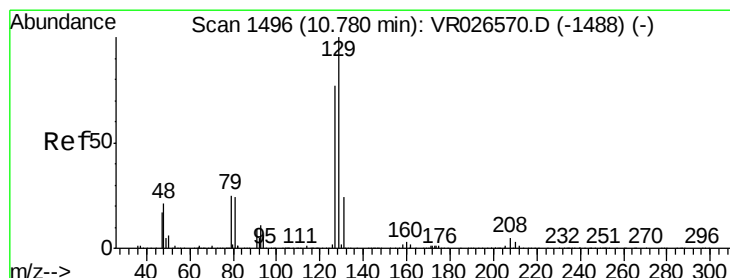
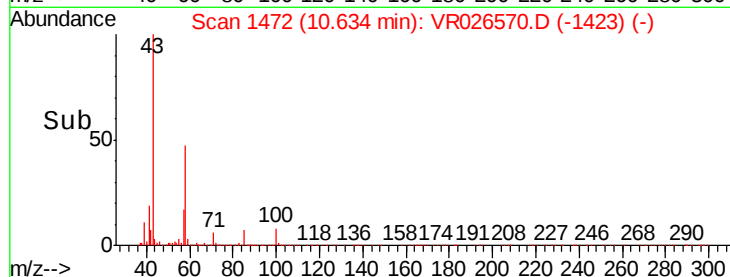
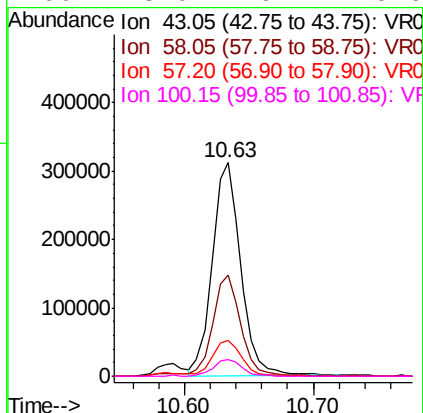
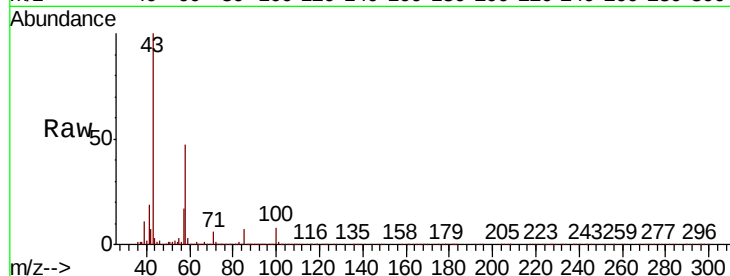




#48
2-Hexanone
Concen: 58.750 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

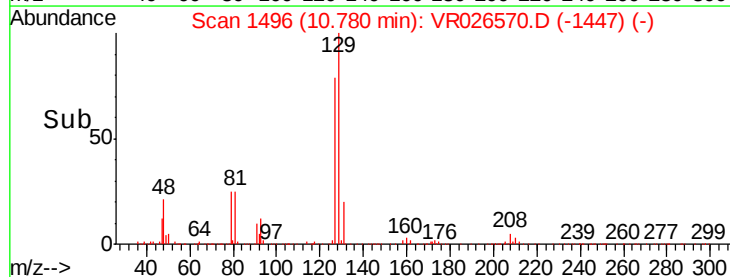
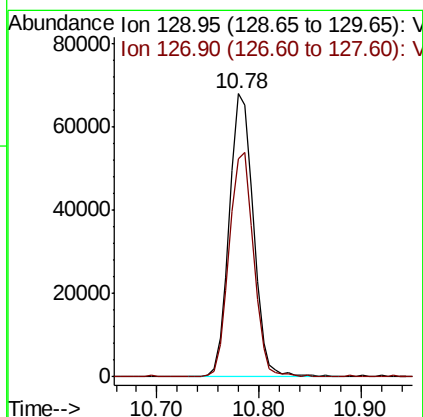
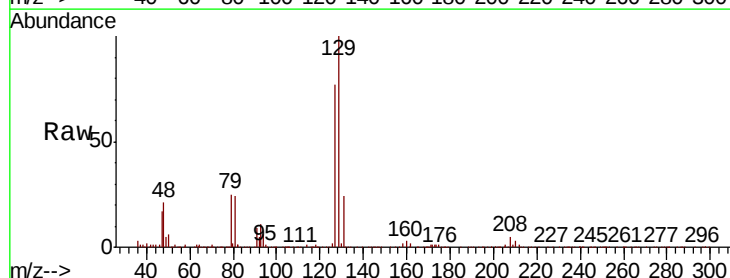
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

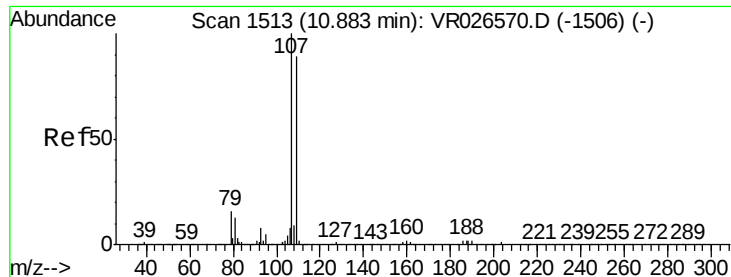
Tot Ion: 43 Resp: 482973
Ion Ratio Lower Upper
43 100
58 46.5 37.2 55.8
57 16.7 13.4 20.0
100 8.0 6.4 9.6



#49
Dibromochloromethane
Concen: 4.994 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Tgt Ion: 129 Resp: 109860
Ion Ratio Lower Upper
129 100
127 77.0 53.9 100.1

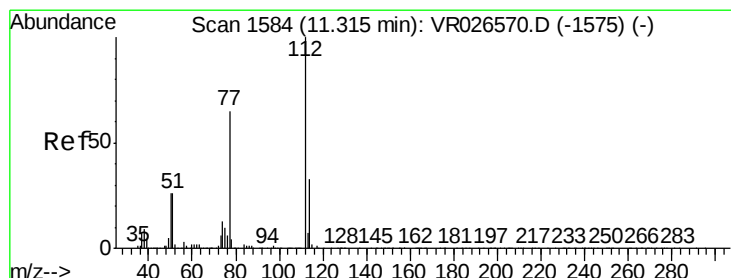
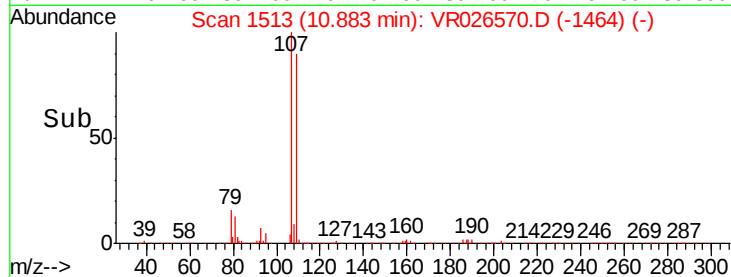
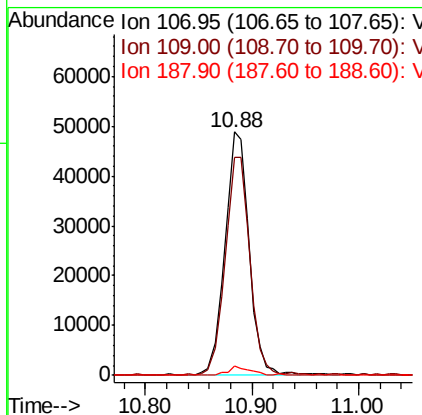
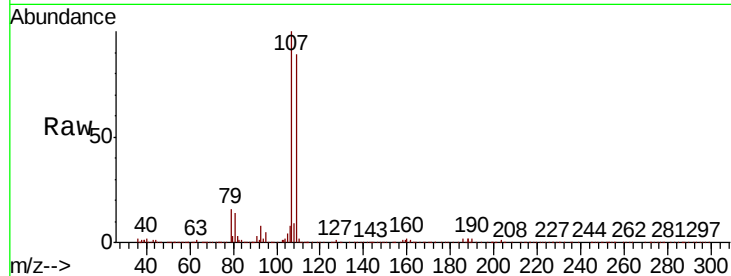




#50
 1,2-Dibromoethane
 Concen: 5.336 ug/L
 RT: 10.88 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

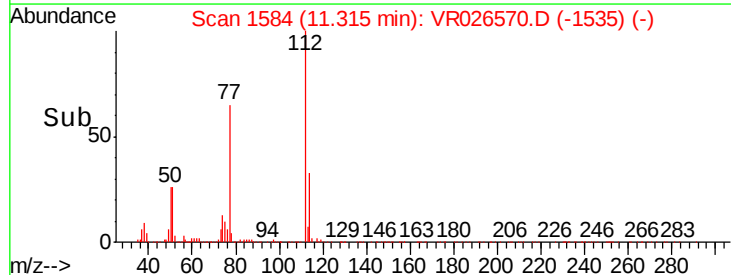
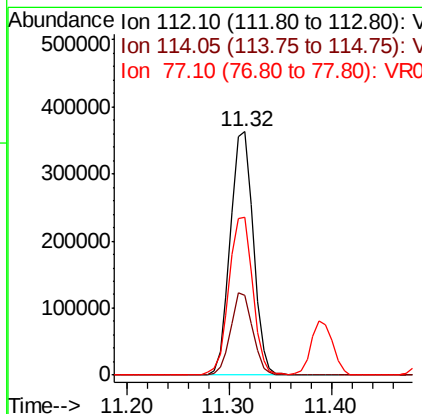
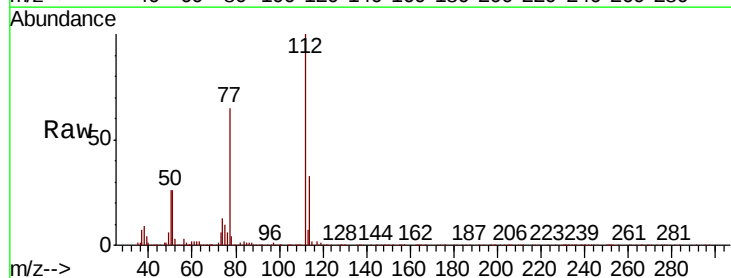
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

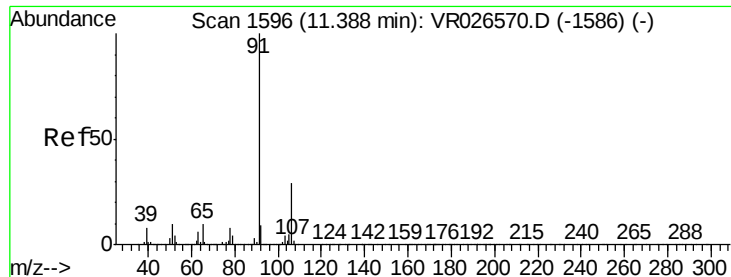
Tot Ion:107 Resp: 77783
 Ion Ratio Lower Upper
 107 100
 109 89.5 62.6 116.3
 188 4.2 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.150 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion:112 Resp: 563482
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 64.8 51.8 77.8





#52

Ethylbenzene

Concen: 5.470 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

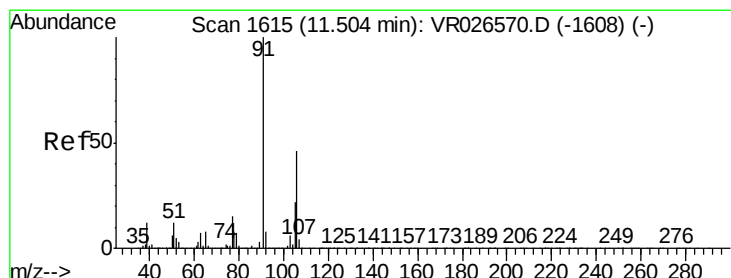
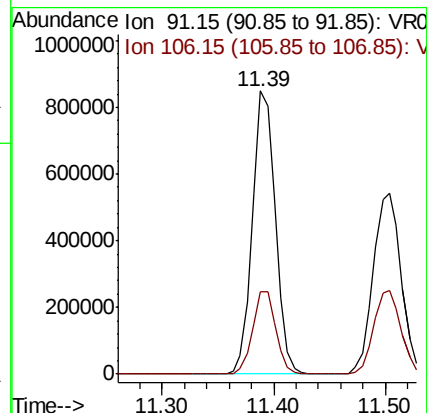
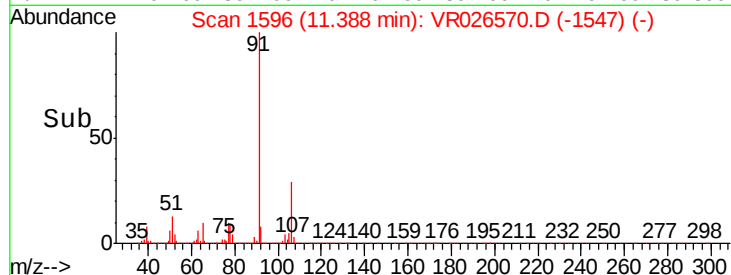
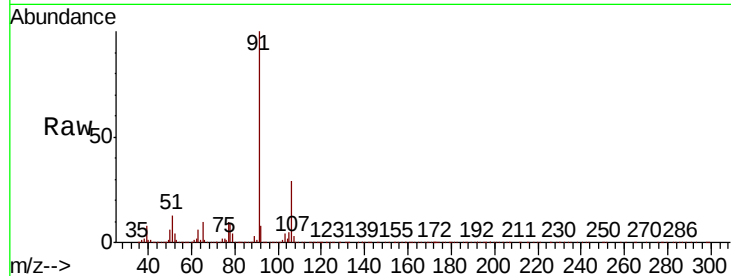
VSTD00585

Tot Ion: 91 Resp: 1217117

Ion Ratio Lower Upper

91 100

106 29.2 20.4 38.0



#53

m,p-Xylene

Concen: 5.322 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026570.D

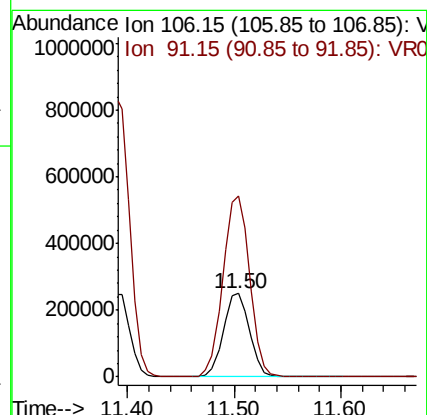
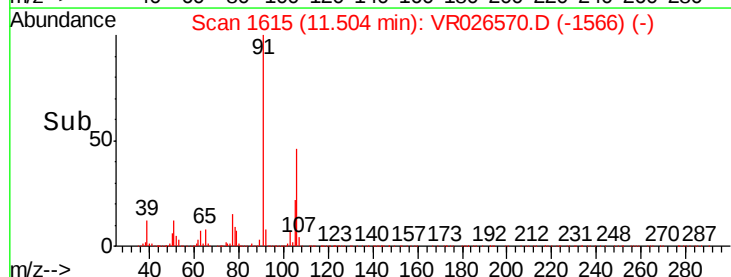
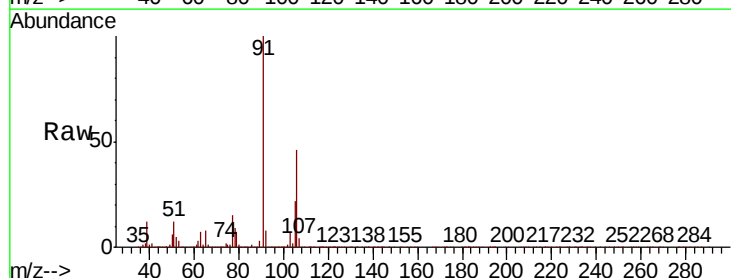
Acq: 11 Apr 2019 11:22

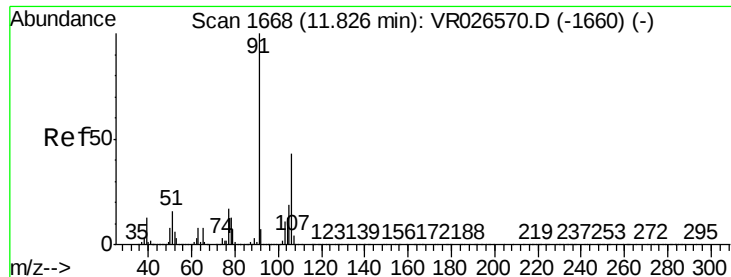
Tgt Ion: 106 Resp: 423944

Ion Ratio Lower Upper

106 100

91 216.9 151.8 282.0

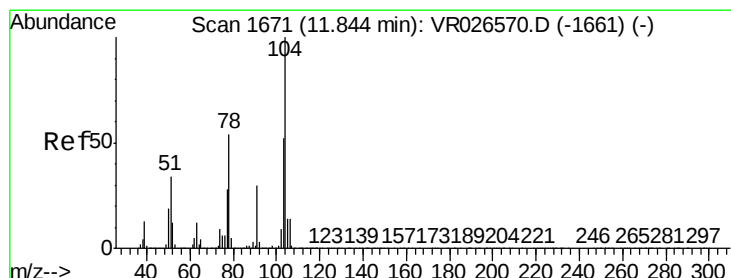
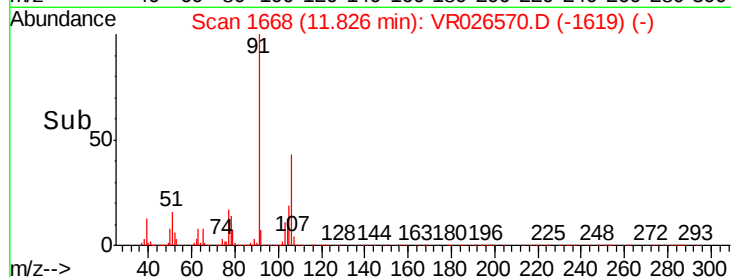
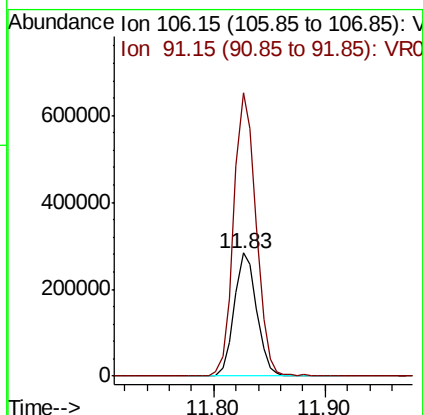
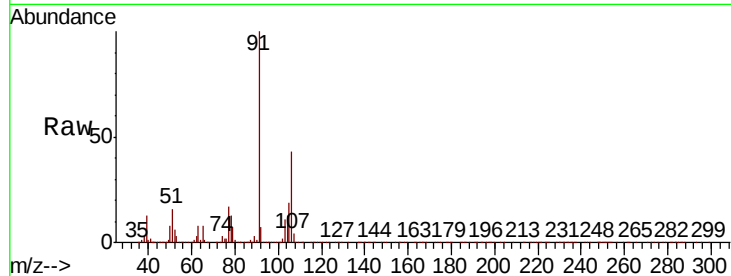




#54
o-Xylene
Concen: 5.622 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

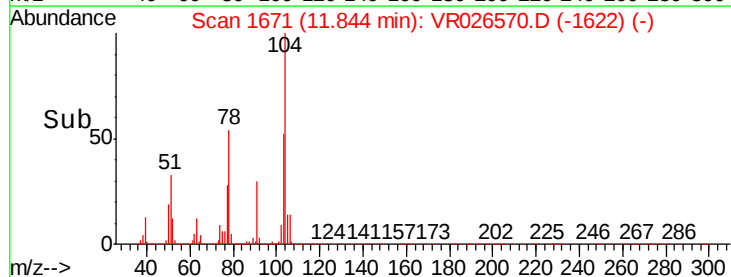
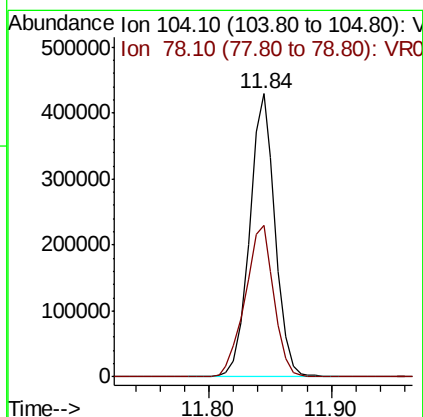
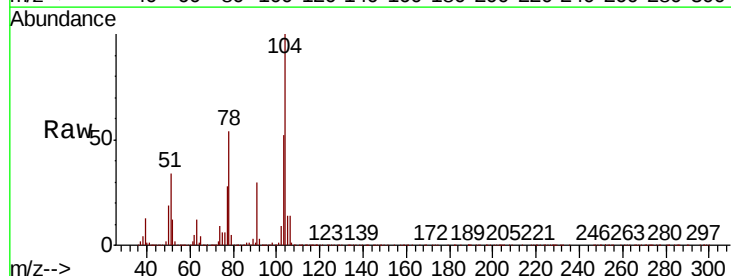
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

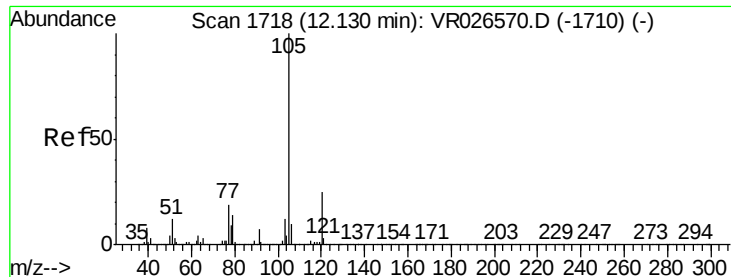
Tot Ion:106 Resp: 395431
Ion Ratio Lower Upper
106 100
91 230.0 161.0 299.0



#55
Styrene
Concen: 5.593 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026570.D
Acq: 11 Apr 2019 11:22

Tgt Ion:104 Resp: 621262
Ion Ratio Lower Upper
104 100
78 53.6 37.5 69.7





#56

Isopropylbenzene

Concen: 5.703 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampled :

VSTD00585

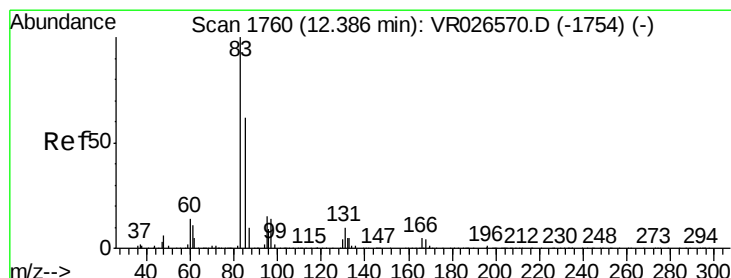
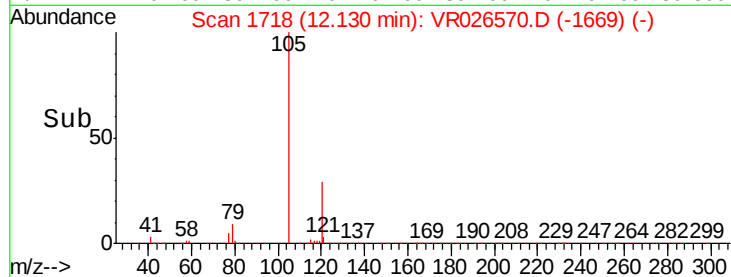
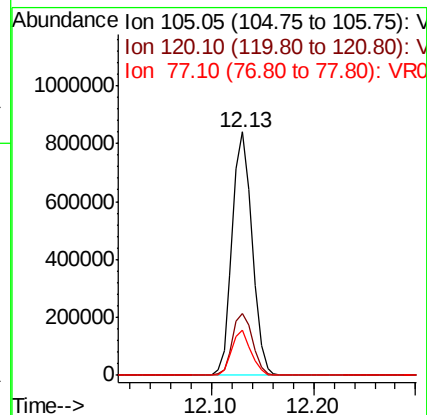
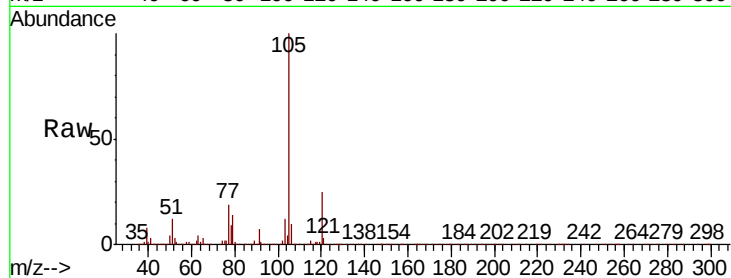
Tot Ion:105 Resp: 1132210

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 17.9 14.3 21.5



#58

1,1,2,2-Tetrachloroethane

Concen: 5.190 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

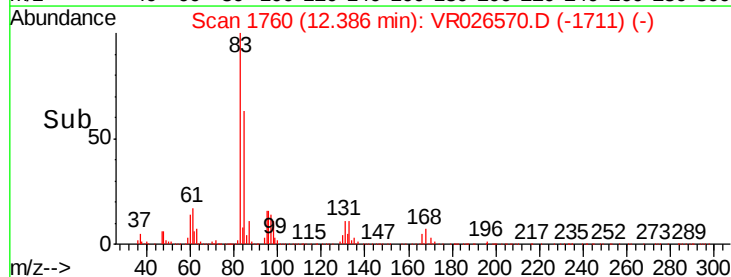
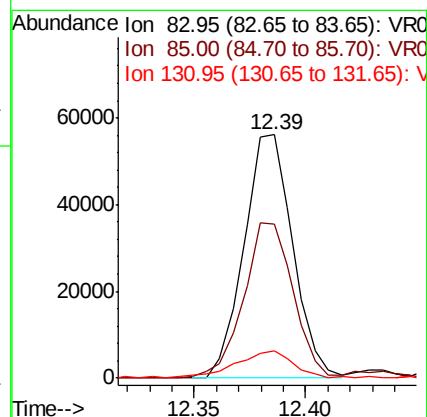
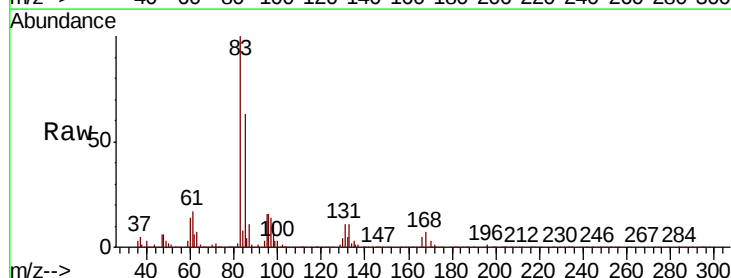
Tgt Ion: 83 Resp: 85378

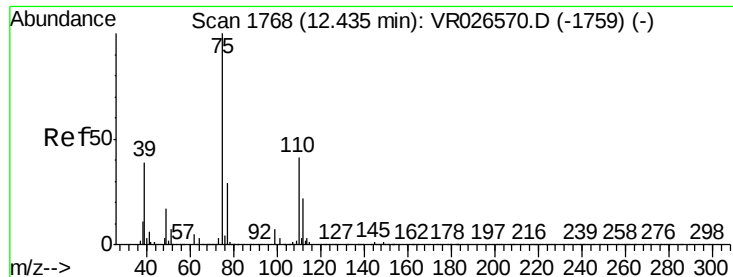
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

131 11.1 8.9 13.3

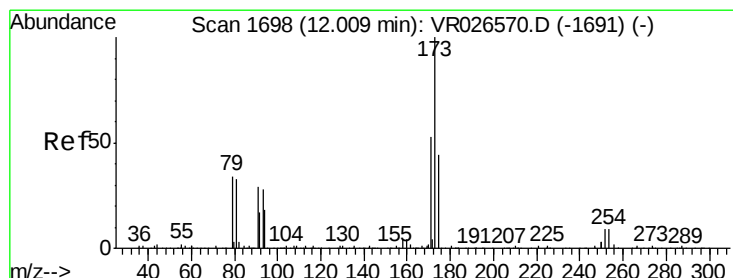
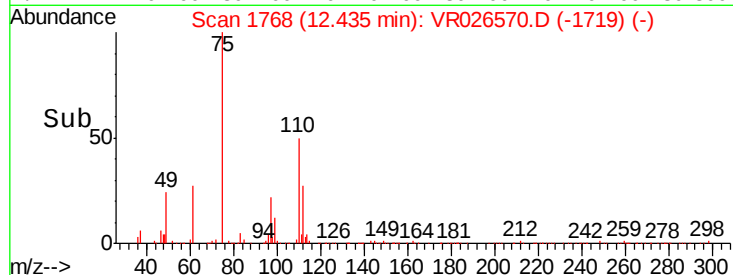
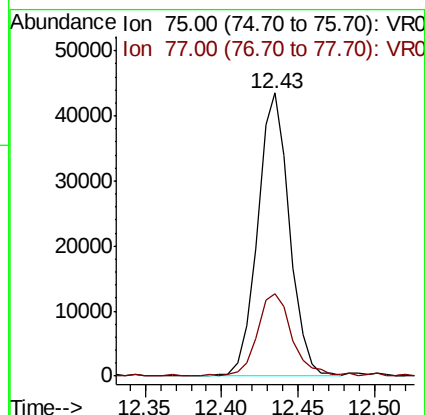
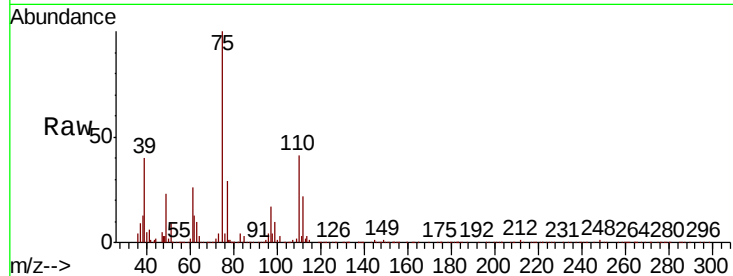




#59
 1,2,3-Trichloropropane
 Concen: 5.051 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

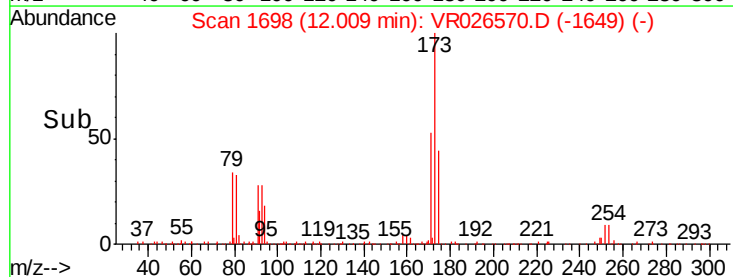
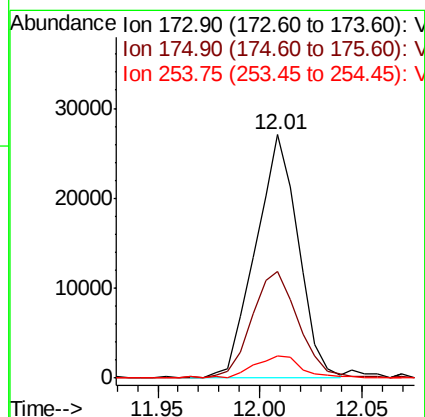
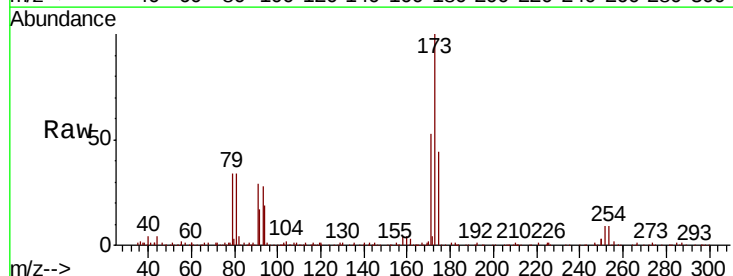
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

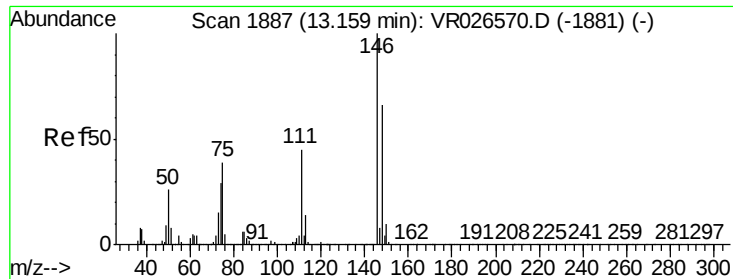
Tot Ion: 75 Resp: 62795
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8



#61
 Bromoform
 Concen: 4.441 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion:173 Resp: 39242
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.1 58.7
 254 10.4 8.3 12.5

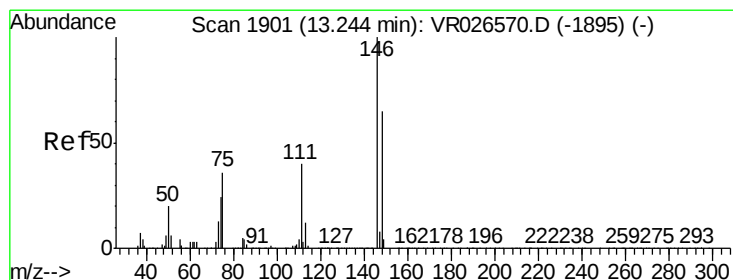
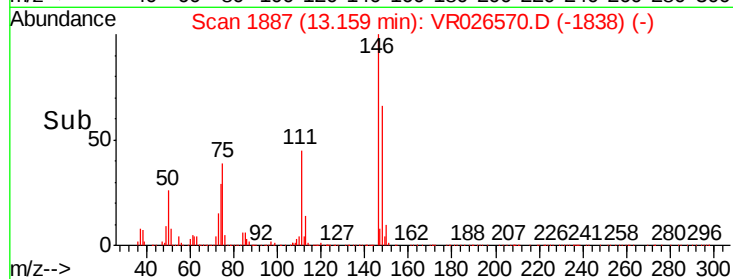
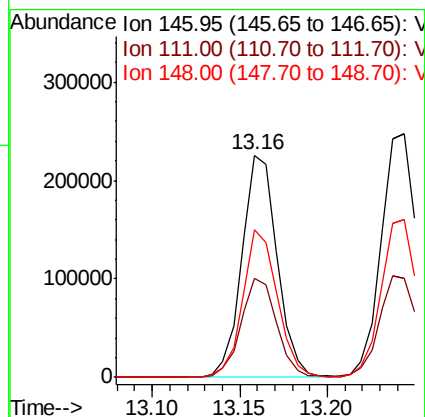
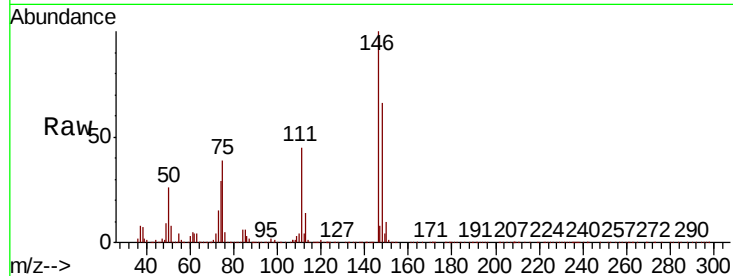




#62
 1,3-Dichlorobenzene
 Concen: 4.972 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

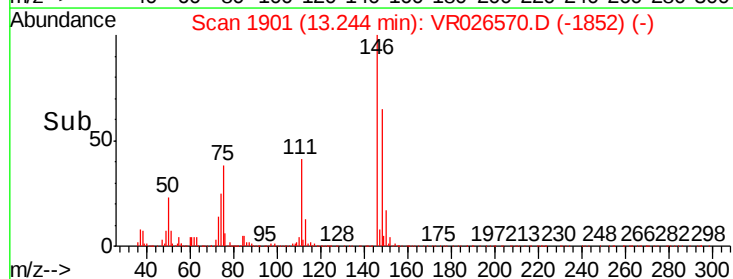
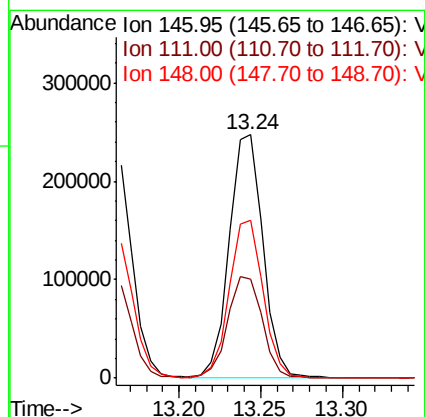
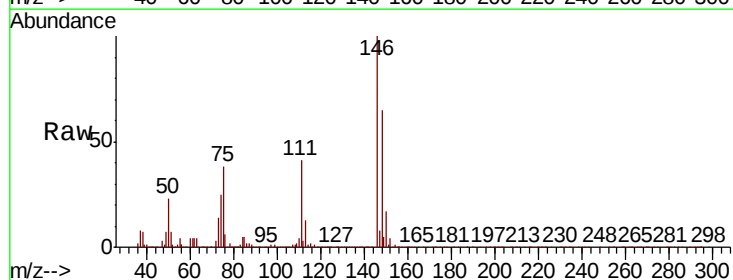
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

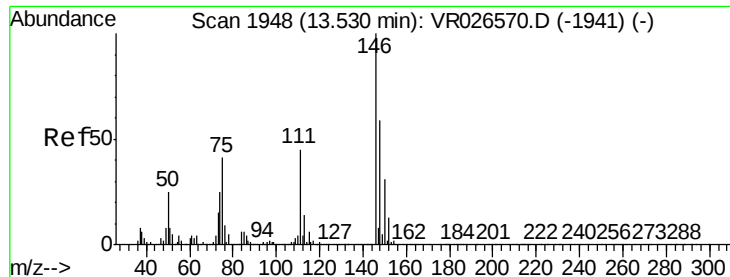
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	31.4	58.2
148	66.5	46.5	86.5



#63
 1,4-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.4	52.8
148	64.9	45.4	84.4

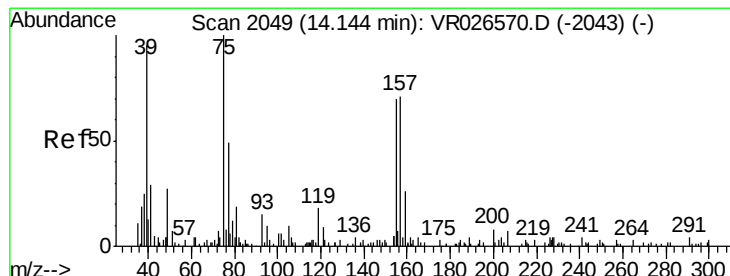
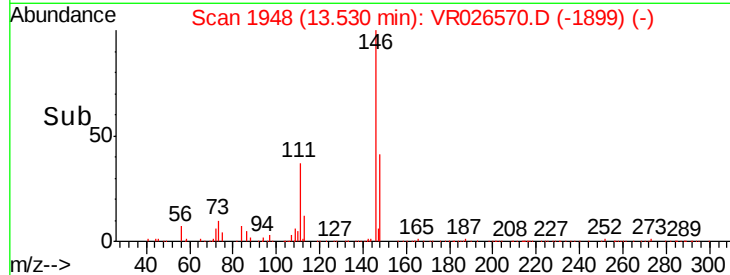
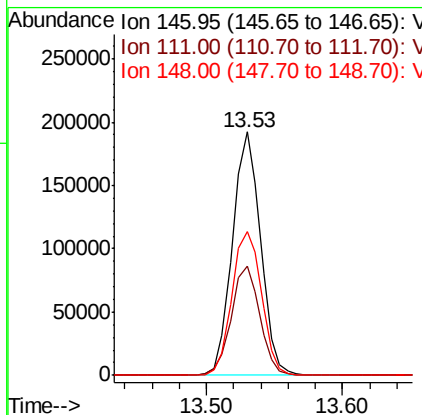
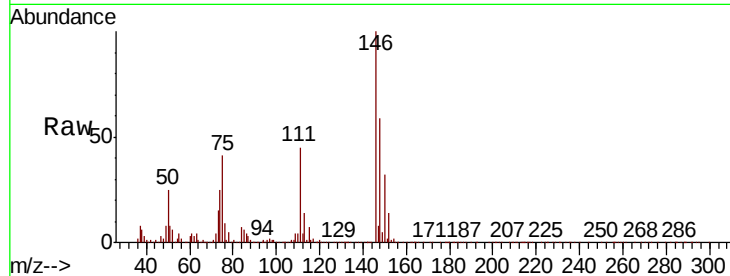




#65
 1,2-Dichlorobenzene
 Concen: 5.142 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

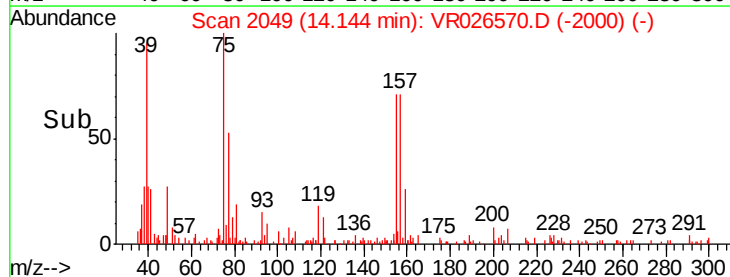
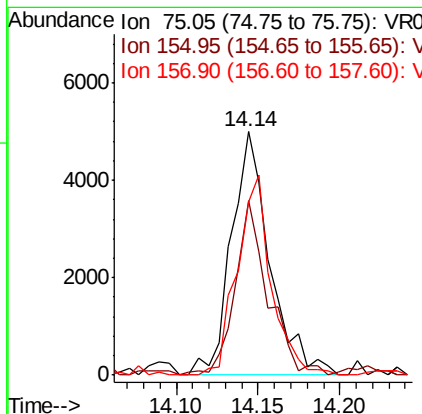
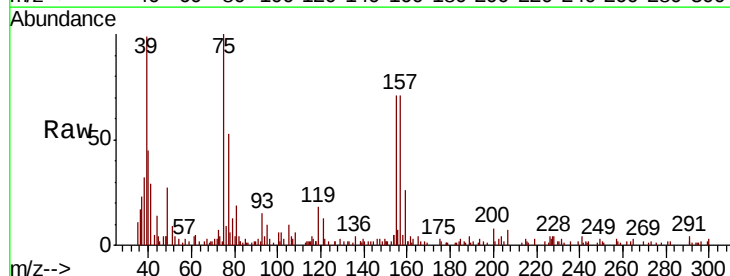
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00585

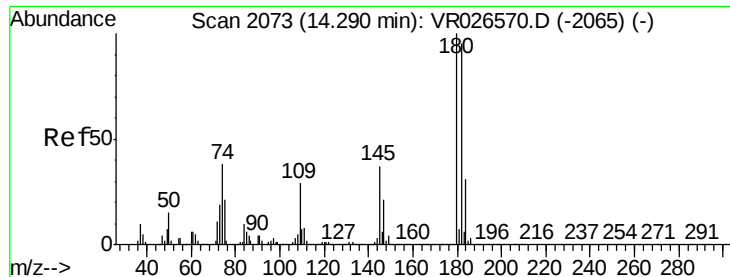
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	35.8	53.8
148	59.2	47.4	71.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.075 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	57.2	85.8
157	70.9	56.7	85.1

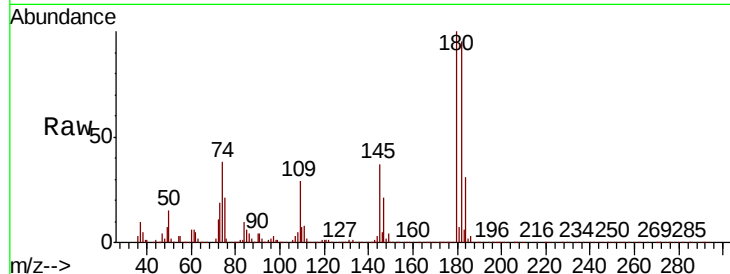




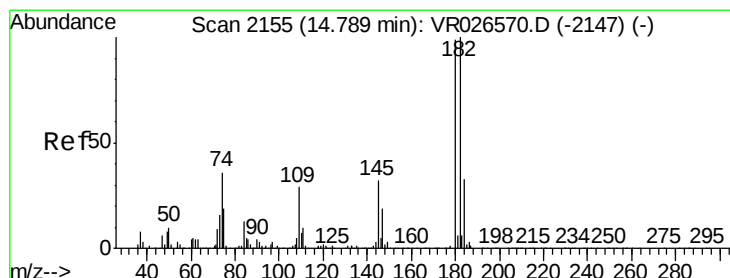
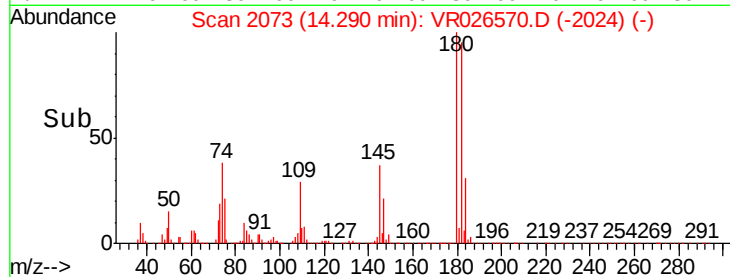
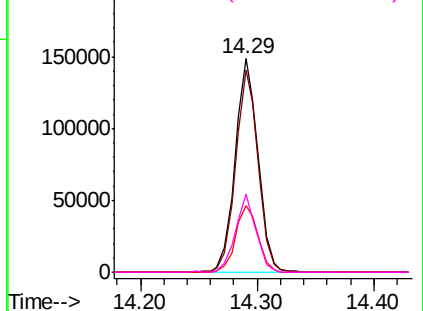
#67
 1,3,5-Trichlorobenzene
 Concen: 4.841 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Tot Ion:180	Resp:	202045
Ion Ratio	Lower	Upper
180	100	
182	93.0	74.4 111.6
184	30.8	24.6 37.0
145	32.8	26.2 39.4

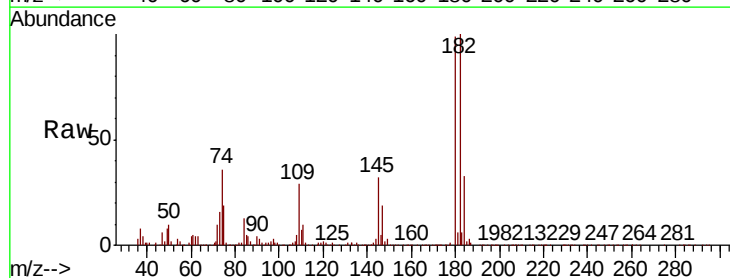


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

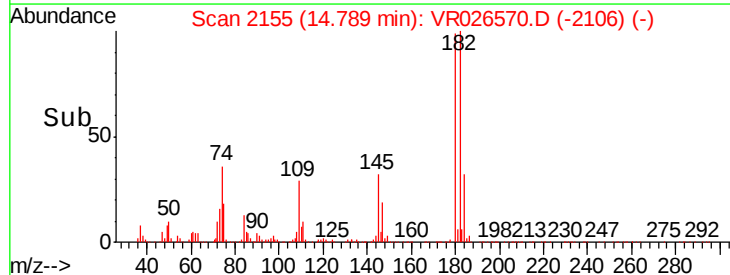
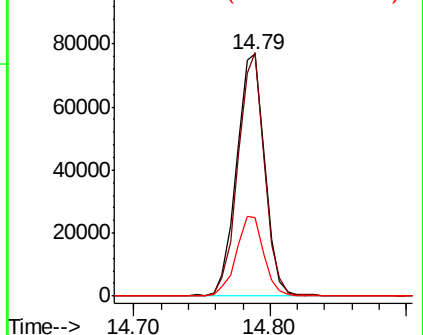


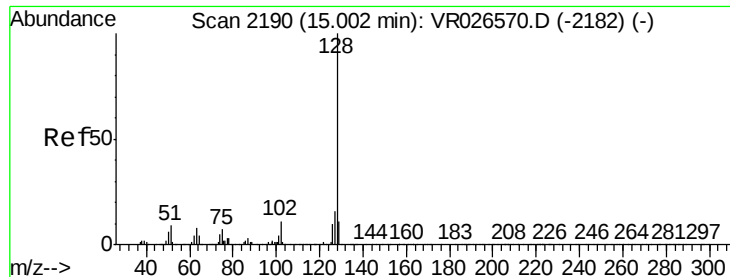
#68
 1,2,4-trichlorobenzene
 Concen: 4.779 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026570.D
 Acq: 11 Apr 2019 11:22

Tgt Ion:180	Resp:	110054
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.0 114.0
145	32.6	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: 4.540 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

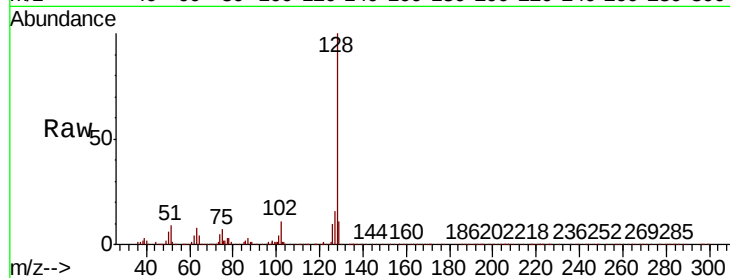
Tot Ion:128 Resp: 97008

Ion Ratio Lower Upper

128 100

127 14.7 11.8 17.6

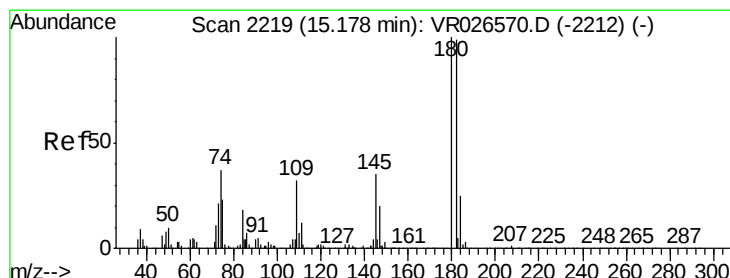
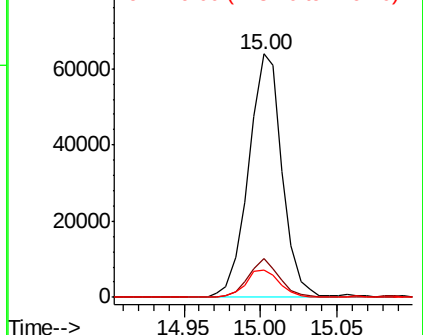
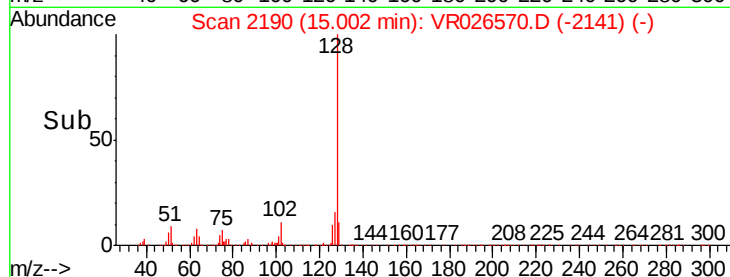
129 11.6 9.3 13.9



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: 5.294 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026570.D

Acq: 11 Apr 2019 11:22

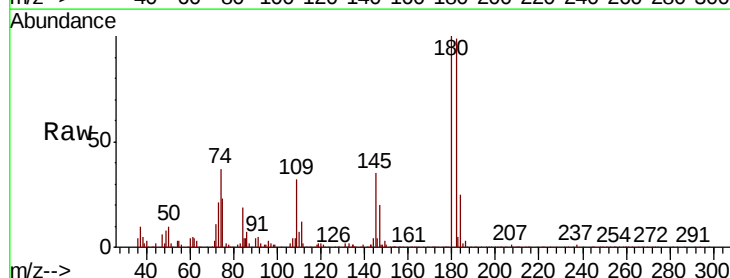
Tgt Ion:180 Resp: 86055

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

145 34.5 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

