

Data File : VR026219.D
Acq On : 9 Nov 2018 13:25
Operator : SY/MD
Sample : VSTD02085
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Quant Time: Nov 09 14:10:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 09 13:36:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	710531	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	629853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	246094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	910542	14.64	ug/L	0.01
7) Chloroethane-d5	2.63	69	829960	15.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2389836	15.65	ug/L	0.00
20) 2-Butanone-d5	6.58	46	1017983	199.40	ug/L	0.00
24) Chloroform-d	7.20	84	1779905	18.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	717178	17.44	ug/L	0.00
32) Benzene-d6	7.85	84	3590103	17.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	913350	17.47	ug/L	0.00
41) Toluene-d8	9.97	98	3546963	18.56	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	266200	19.43	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	839199	212.04	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	356349	17.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	725229	18.65	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	932925	19.547 ug/L	97
3) Chloromethane	2.03	50	1297929	17.125 ug/L	97
5) Vinyl chloride	2.17	62	1272138	16.849 ug/L	99
6) Bromomethane	2.53	94	845106	16.948 ug/L	92
8) Chloroethane	2.66	64	775792	16.582 ug/L	95
9) Trichlorofluoromethane	2.94	101	824473	7.564 ug/L	# 31
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	1049397	16.149 ug/L	98
12) 1,1-Dichloroethene	3.63	96	1181378	17.098 ug/L	92
13) Acetone	3.70	43	849731	161.007 ug/L	98
14) Carbon disulfide	3.93	76	3505437	19.406 ug/L	100
15) Methyl Acetate	4.19	43	219925	15.952 ug/L	97
16) Methylene chloride	4.40	84	977337	15.598 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	1240735	19.780 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	1071118	20.499 ug/L	95
19) 1,1-Dichloroethane	5.69	63	1849665	18.854 ug/L	96
21) 2-Butanone	6.69	43	1183323	194.356 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	1014606	20.527 ug/L	# 98
23) Bromochloromethane	7.05	128	264257	19.059 ug/L	91
25) Chloroform	7.23	83	1820003	19.009 ug/L	99
27) 1,2-Dichloroethane	7.99	62	821203	17.522 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	1641602	19.074 ug/L	98
30) Cyclohexane	7.52	56	1743015	20.175 ug/L	97
31) Carbon tetrachloride	7.64	117	1479225	18.902 ug/L	100
33) Benzene	7.91	78	4536520	19.195 ug/L	100
34) Trichloroethene	8.71	95	1172930	19.390 ug/L	96
35) Methylcyclohexane	8.95	83	1795328	19.935 ug/L	98
37) 1,2-Dichloropropane	9.00	63	906712	18.184 ug/L	100
38) Bromodichloromethane	9.28	83	1044211	19.473 ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1209789	21.199 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	2887953	189.652 ug/L	97

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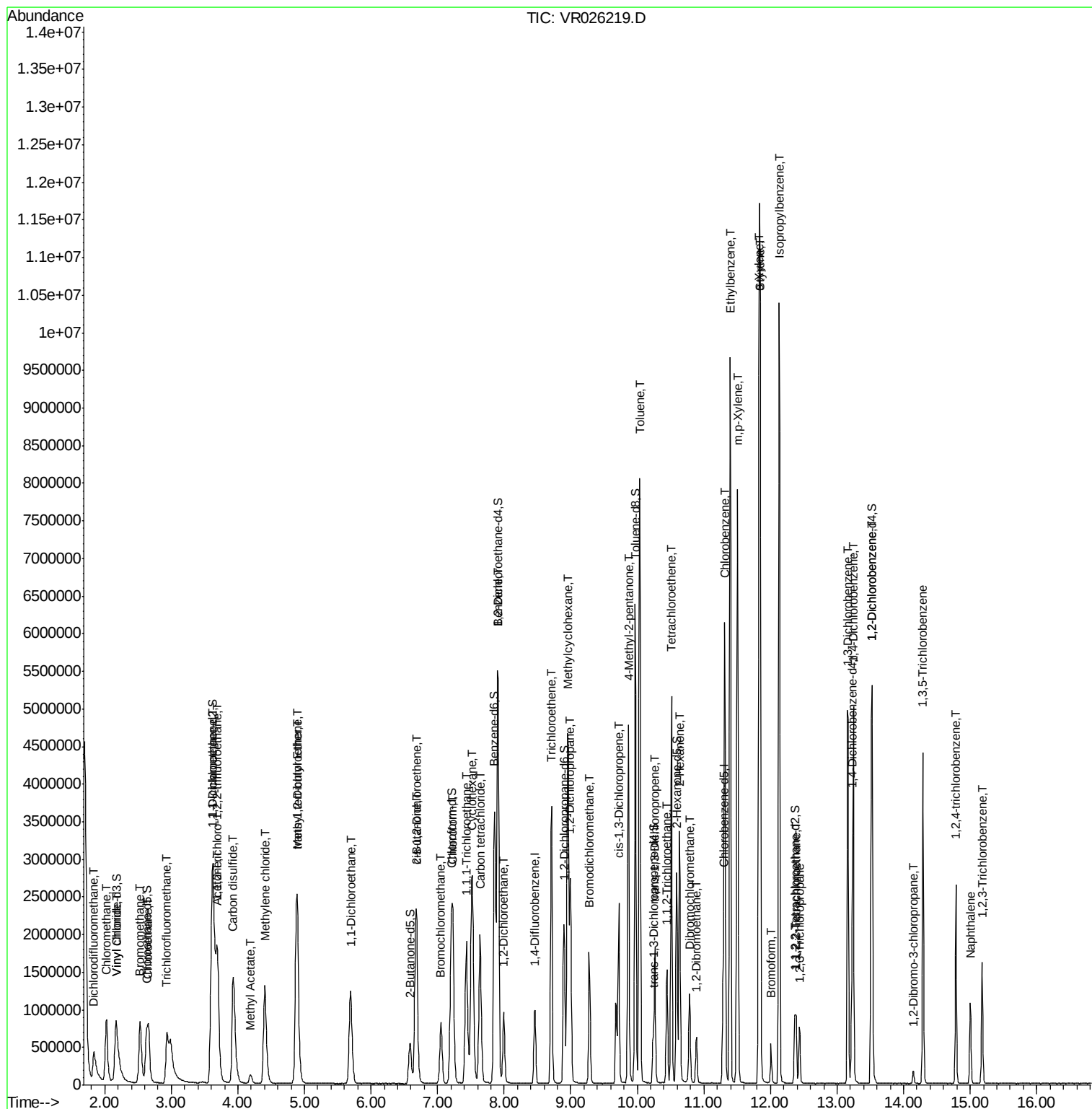
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	4943275	19.818	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	824403	20.676	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	394372	18.751	ug/L	97
47) Tetrachloroethene	10.51	164	869775	20.135	ug/L	96
48) 2-Hexanone	10.63	43	1912022	192.247	ug/L	99
49) Dibromochloromethane	10.79	129	501272	21.179	ug/L	96
50) 1,2-Dibromoethane	10.89	107	343765	18.919	ug/L #	96
51) Chlorobenzene	11.32	112	2610422	18.904	ug/L	99
52) Ethylbenzene	11.39	91	5523628	19.257	ug/L	90
53) m,p-Xylene	11.50	106	2202015	21.070	ug/L	86
54) o-Xylene	11.83	106	2121642	22.144	ug/L	83
55) Styrene	11.84	104	3174202	21.524	ug/L	95
56) Isopropylbenzene	12.13	105	5360570	20.144	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	360739	16.876	ug/L	88
59) 1,2,3-Trichloropropane	12.43	75	268414	17.103	ug/L	95
61) Bromoform	12.01	173	197783	23.122	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	1643986	20.109	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	1603006	18.933	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	1258128	19.174	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	40231	15.049	ug/L #	66
67) 1,3,5-Trichlorobenzene	14.29	180	1020418	20.485	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	586561	20.174	ug/L	98
69) Naphthalene	15.00	128	681805	24.148	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	394887	19.555	ug/L	98

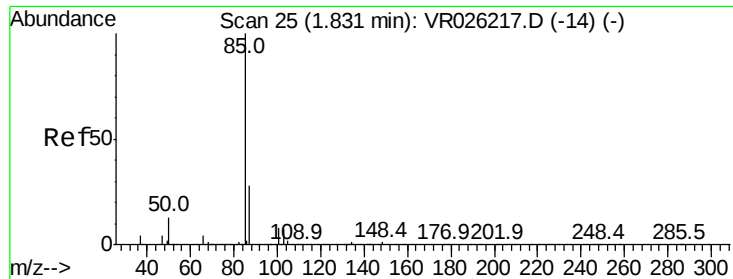
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.547 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

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Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

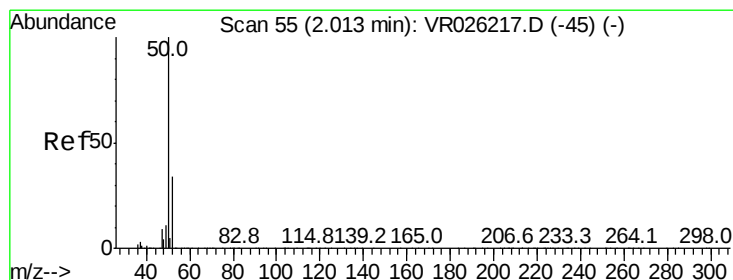
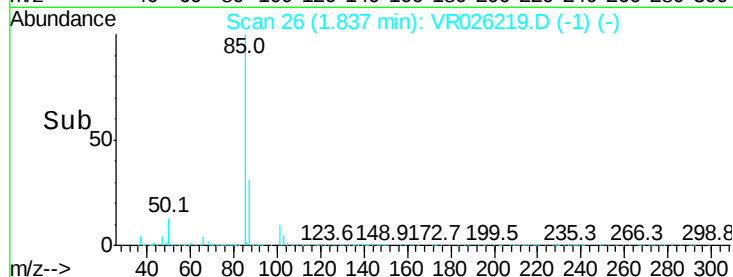
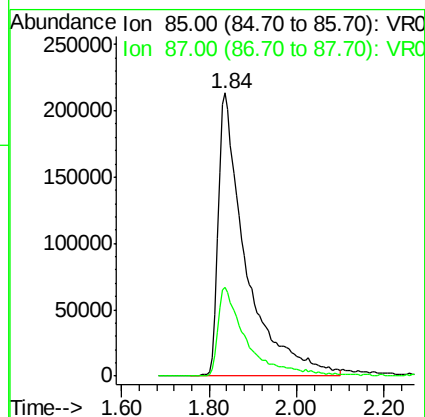
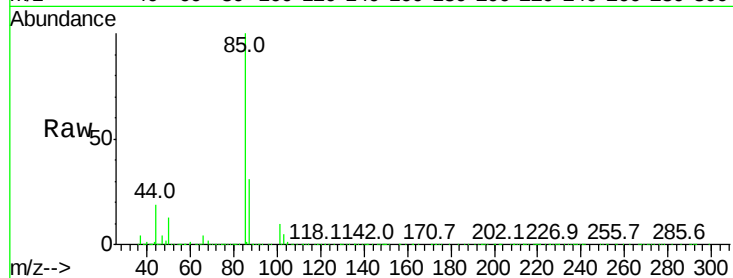
VSTD02085

Tgt Ion: 85 Resp: 932925

Ion Ratio Lower Upper

85 100

87 30.9 23.4 35.2



#3

Chloromethane

Concen: 17.125 ug/L

RT: 2.03 min Scan# 57

Delta R.T. 0.01 min

Lab File: VR026219.D

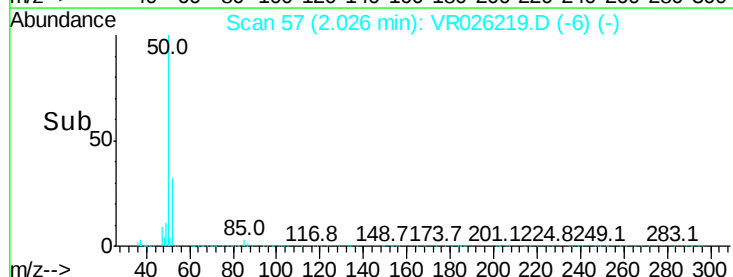
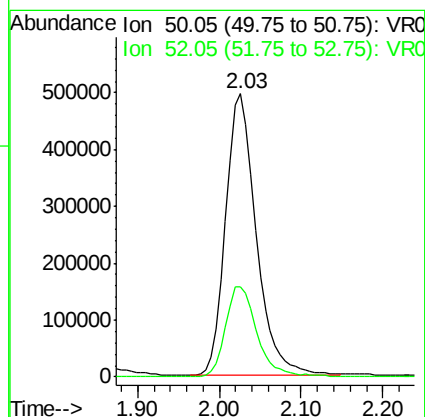
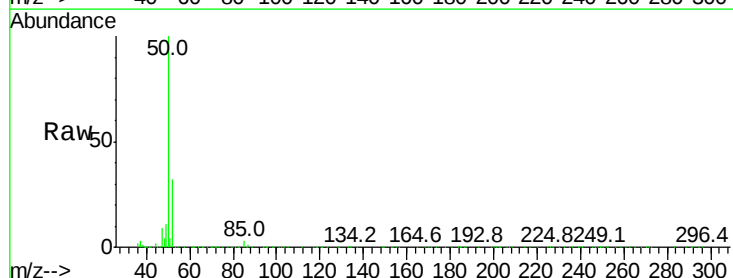
Acq: 9 Nov 2018 13:25

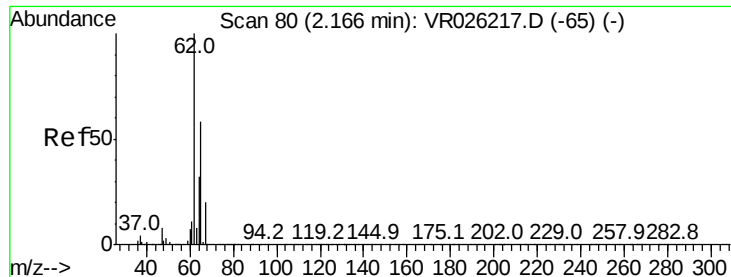
Tgt Ion: 50 Resp: 1297929

Ion Ratio Lower Upper

50 100

52 31.7 23.4 43.6





#5

Vinyl chloride

Concen: 16.849 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

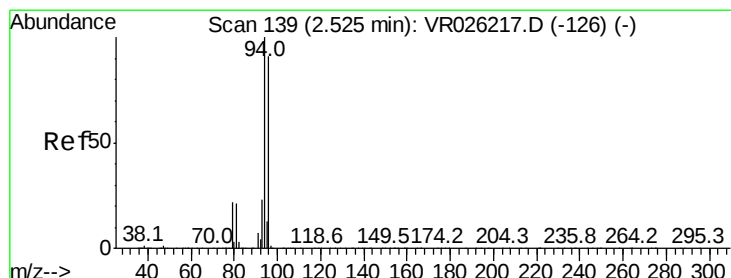
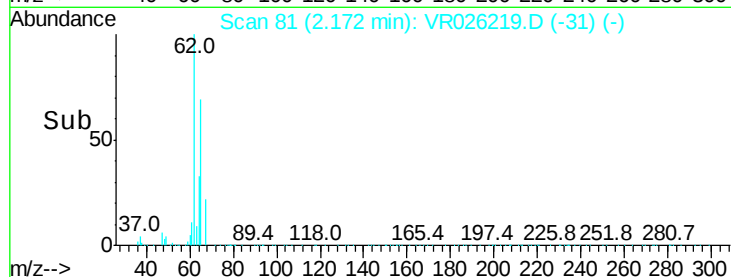
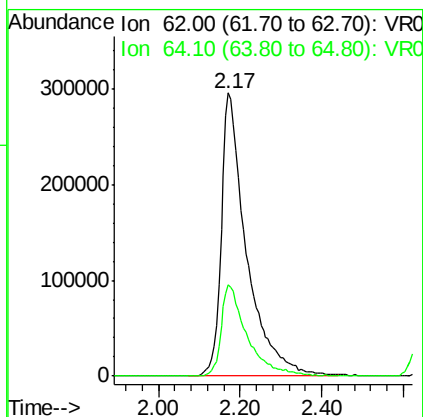
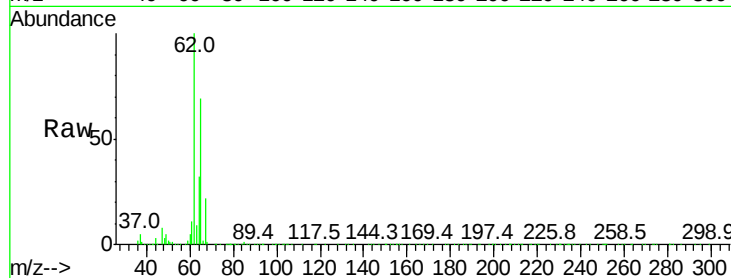
VSTD02085

Tgt Ion: 62 Resp: 1272138

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.7



#6

Bromomethane

Concen: 16.948 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026219.D

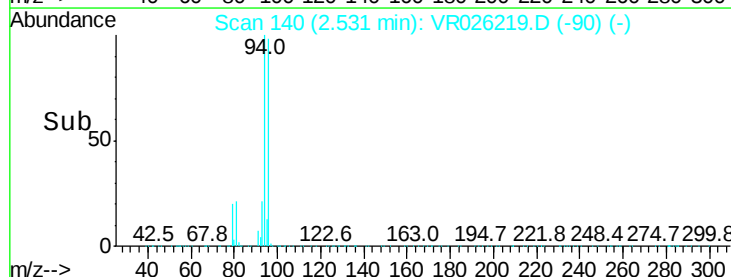
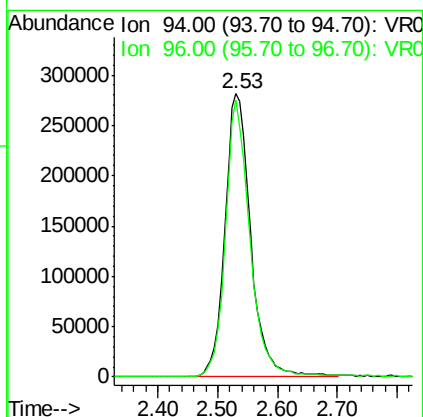
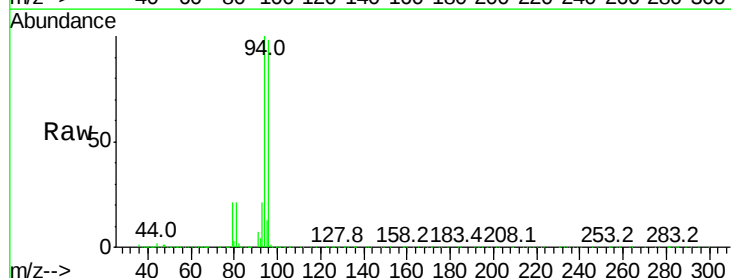
Acq: 9 Nov 2018 13:25

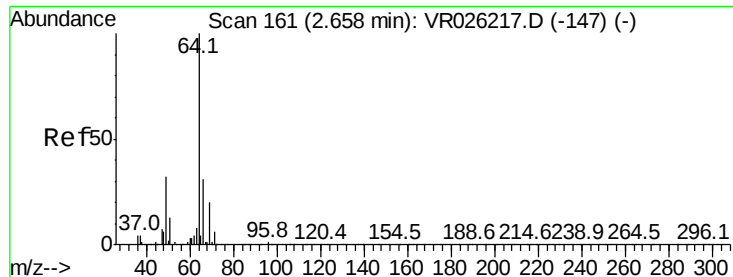
Tgt Ion: 94 Resp: 845106

Ion Ratio Lower Upper

94 100

96 97.7 63.4 117.8





#8

Chloroethane

Concen: 16.582 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

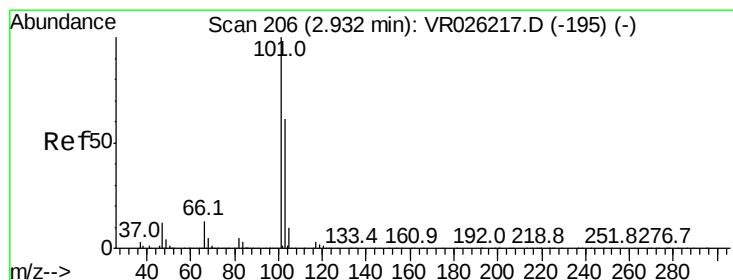
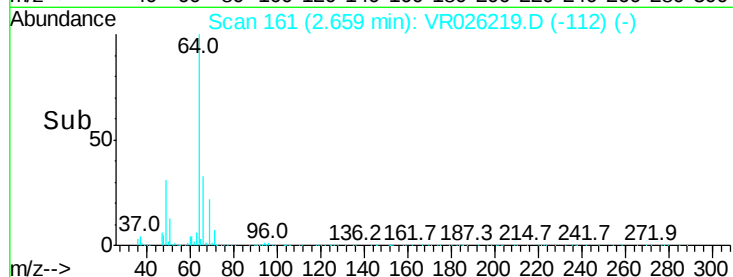
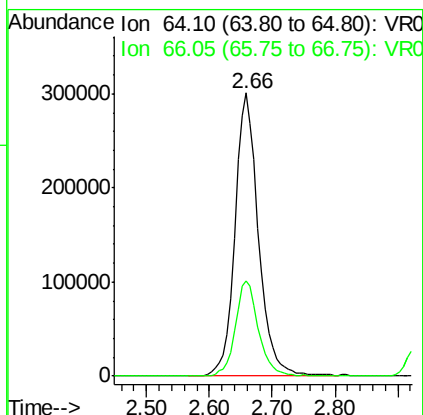
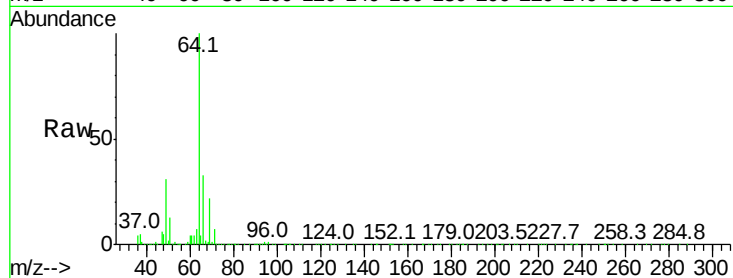
VSTD02085

Tgt Ion: 64 Resp: 775792

Ion Ratio Lower Upper

64 100

66 33.5 21.4 39.8



#9

Trichlorofluoromethane

Concen: 7.564 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026219.D

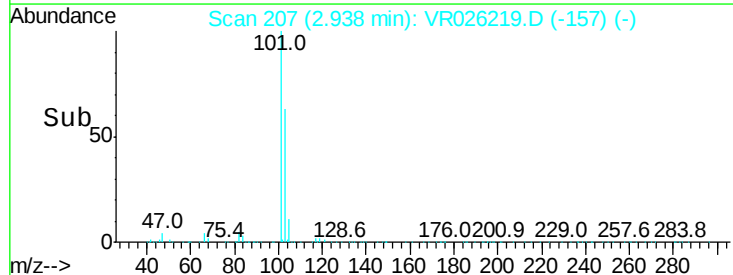
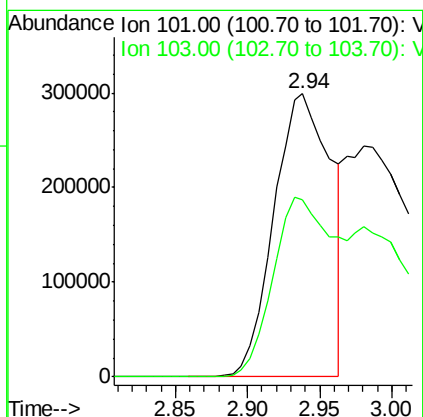
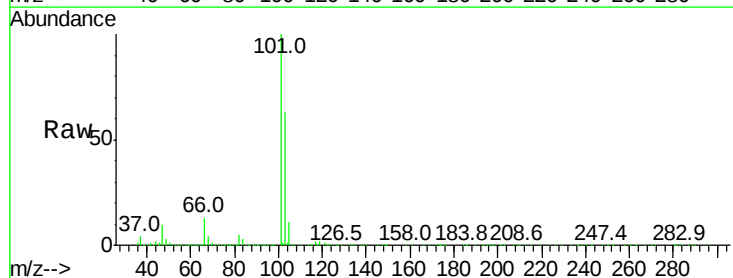
Acq: 9 Nov 2018 13:25

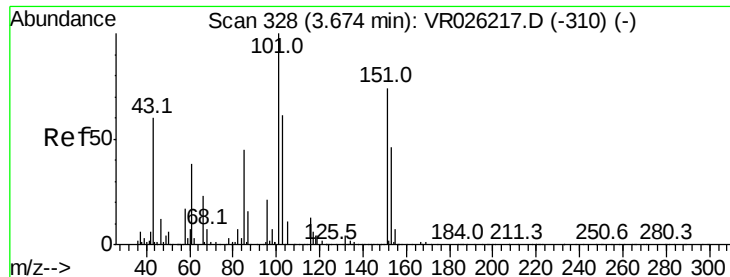
Tgt Ion: 101 Resp: 824473

Ion Ratio Lower Upper

101 100

103 70.7 25.8 38.8#





#10

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

Concen: 16.149 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

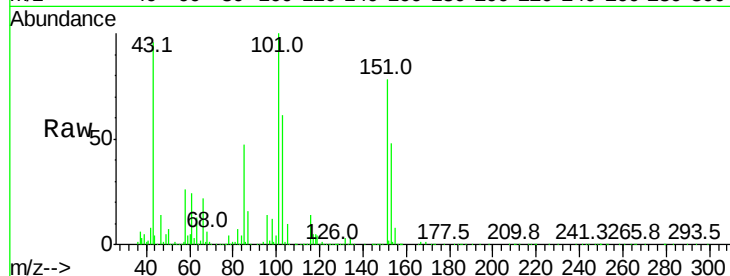
Tgt Ion:101 Resp: 1049397

Ion Ratio Lower Upper

101 100

85 46.2 37.9 56.9

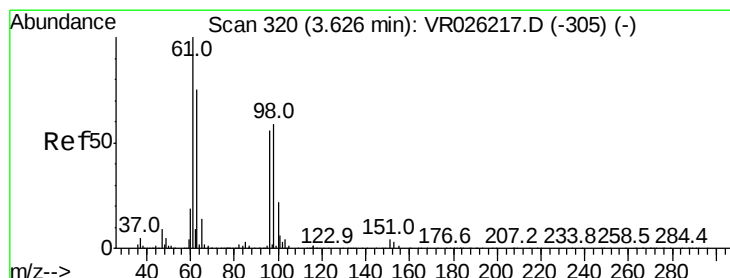
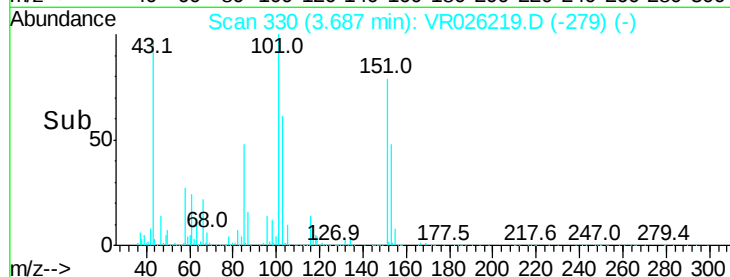
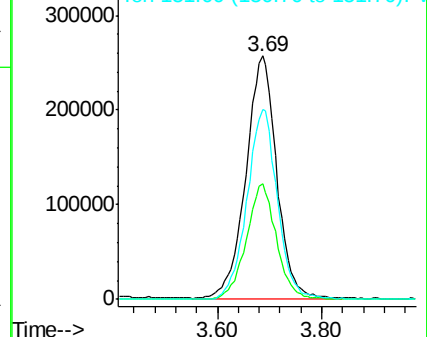
151 77.1 63.2 94.8



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: 17.098 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

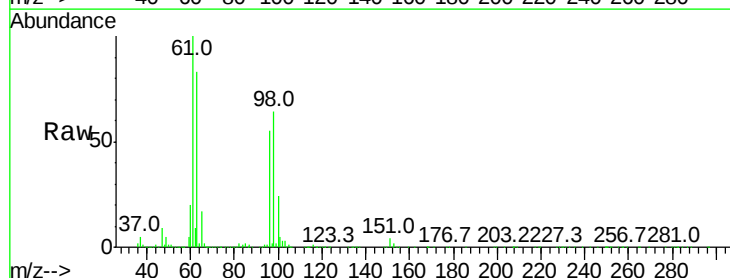
Tgt Ion: 96 Resp: 1181378

Ion Ratio Lower Upper

96 100

61 182.8 125.5 233.1

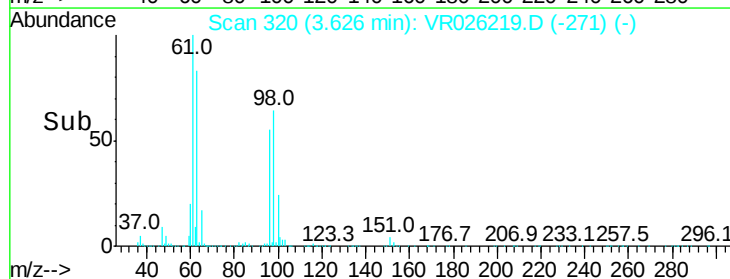
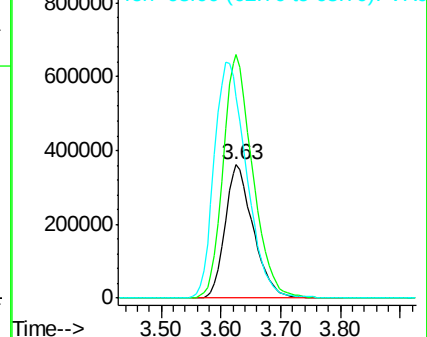
63 151.3 93.7 174.1

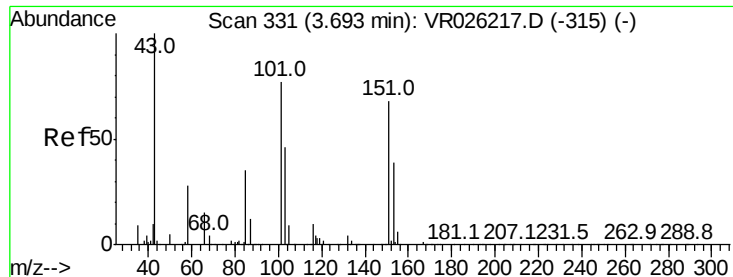


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

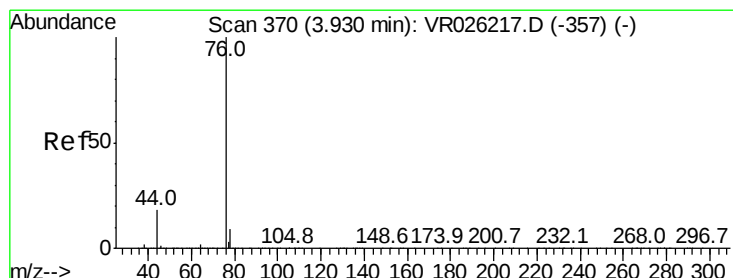
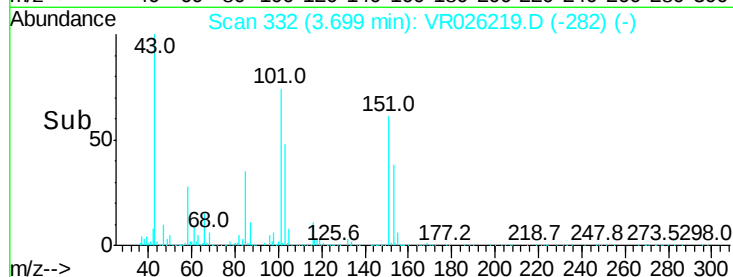
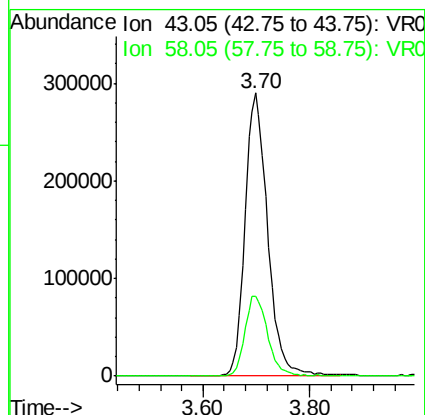
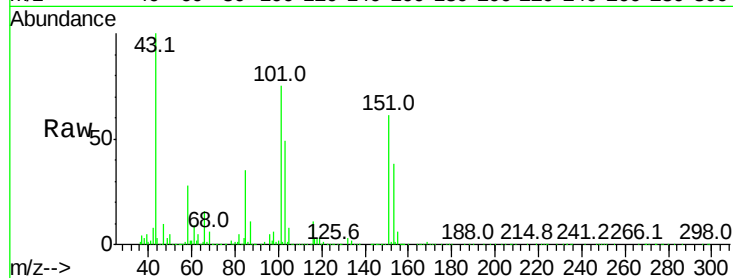




#13
Acetone
Concen: 161.007 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

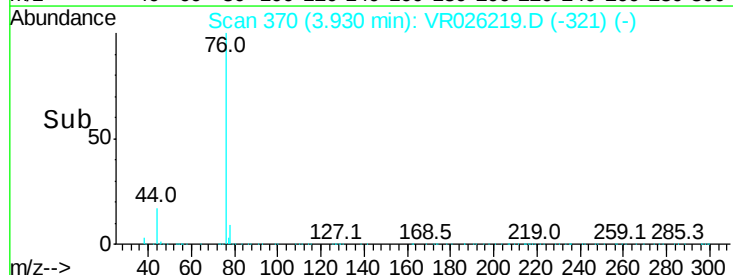
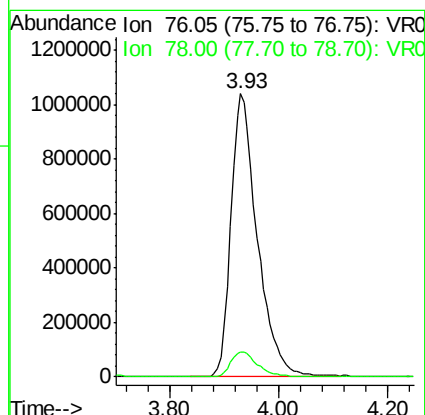
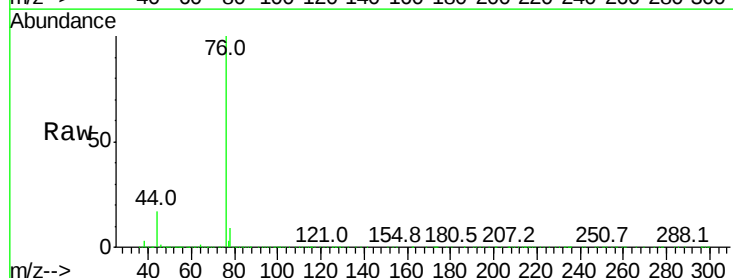
Instrument :
MSVOA_R
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VSTD02085

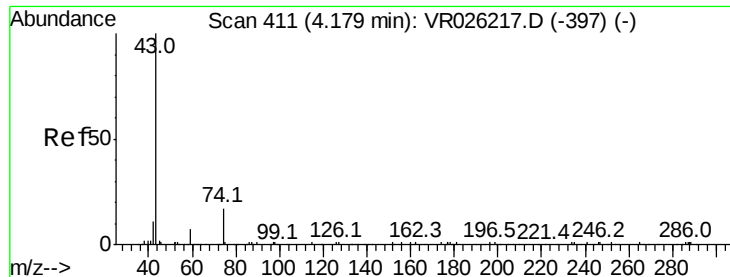
Tgt Ion: 43 Resp: 849731
Ion Ratio Lower Upper
43 100
58 28.3 0.0 58.6



#14
Carbon disulfide
Concen: 19.406 ug/L
RT: 3.93 min Scan# 370
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion: 76 Resp: 3505437
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

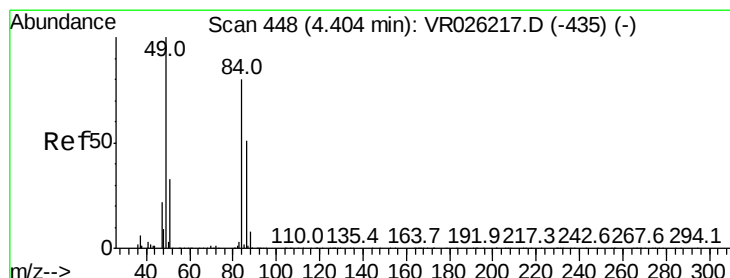
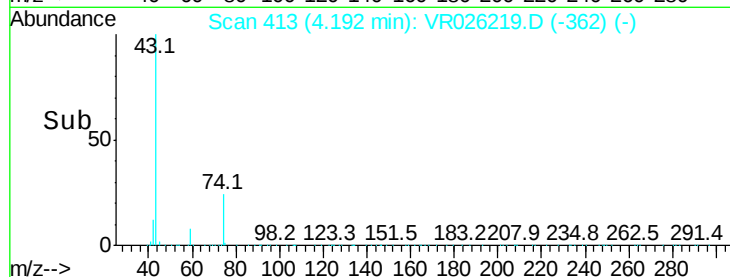
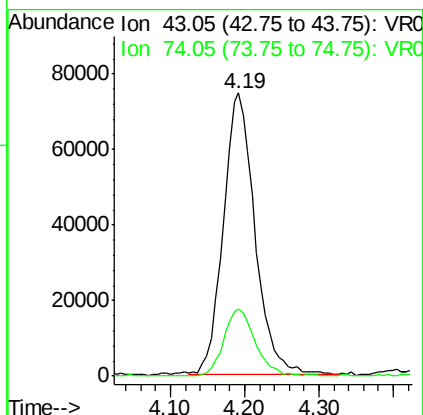
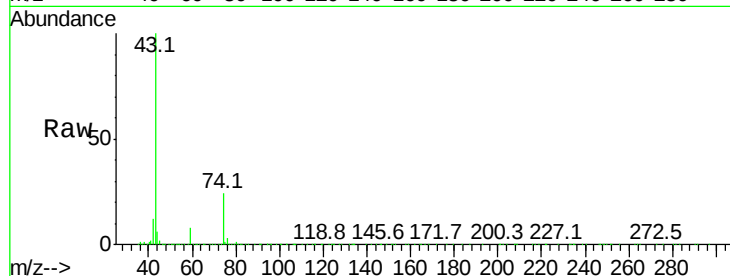




#15
Methyl Acetate
Concen: 15.952 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

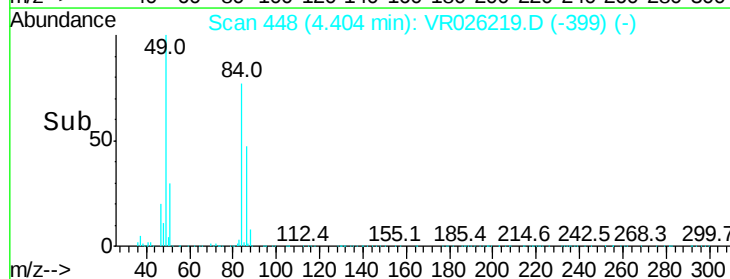
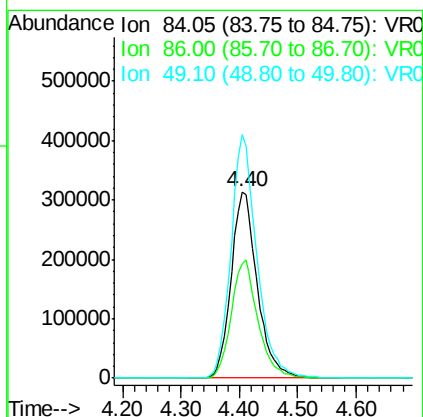
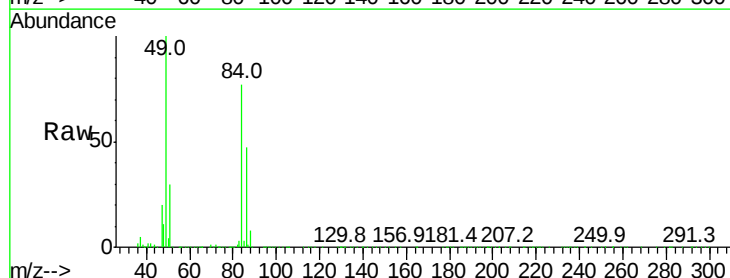
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

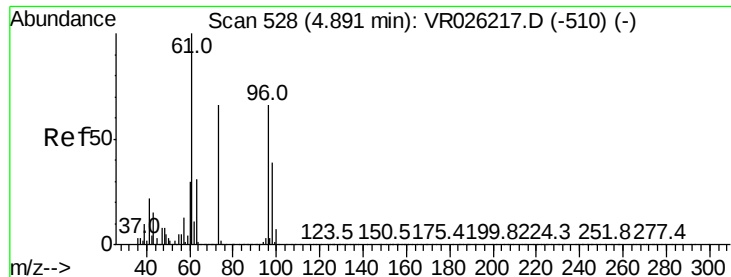
Tgt Ion: 43 Resp: 219925
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.6



#16
Methylene chloride
Concen: 15.598 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion: 84 Resp: 977337
Ion Ratio Lower Upper
84 100
86 61.6 45.1 83.9
49 130.5 87.9 163.3



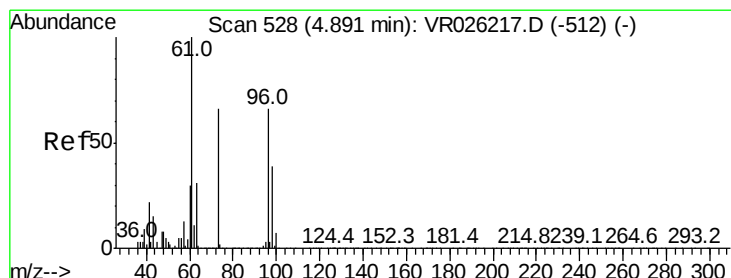
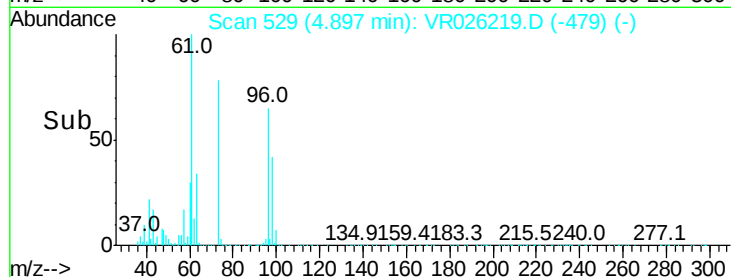
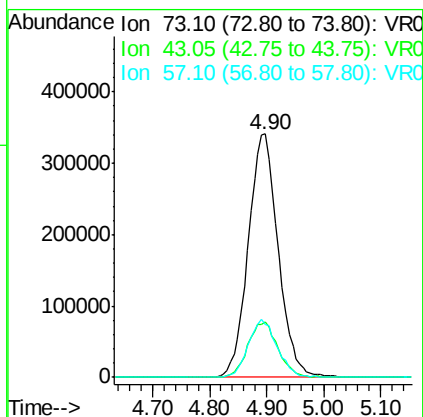
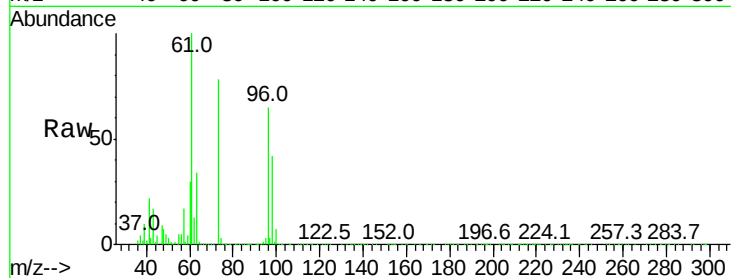


#17

Methyl tert-butyl Ether
Concen: 19.780 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

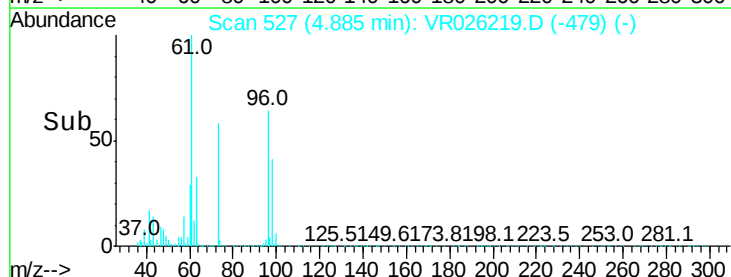
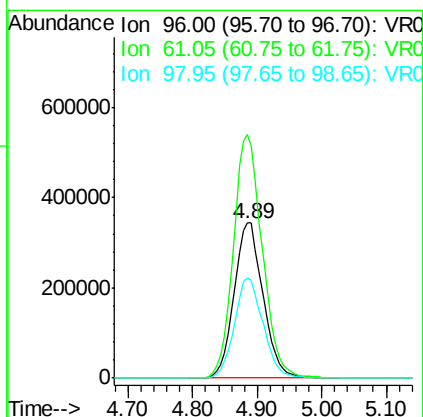
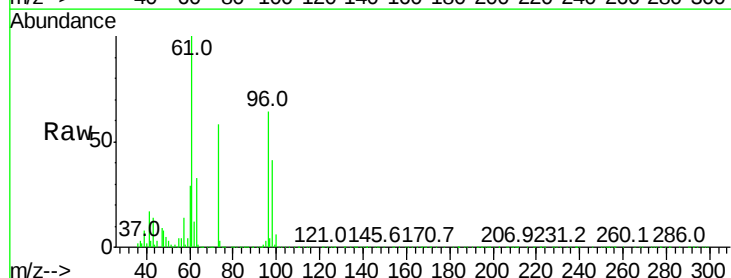
Tgt Ion: 73 Resp: 1240735
Ion Ratio Lower Upper
73 100
43 22.9 19.1 28.7
57 23.1 18.9 28.3

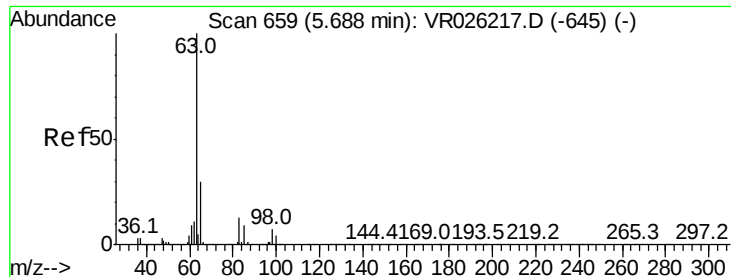


#18

trans-1,2-Dichloroethene
Concen: 20.499 ug/L
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion: 96 Resp: 1071118
Ion Ratio Lower Upper
96 100
61 156.8 105.6 196.2
98 65.0 41.5 77.1





#19

1,1-Dichloroethane

Concen: 18.854 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

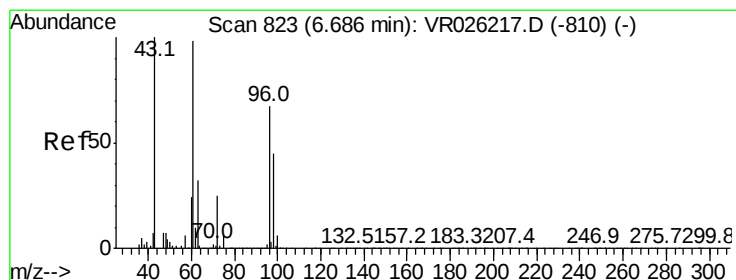
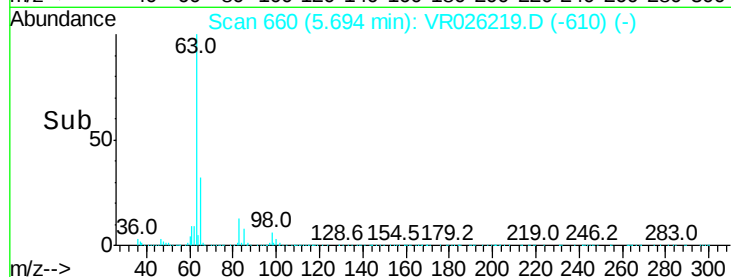
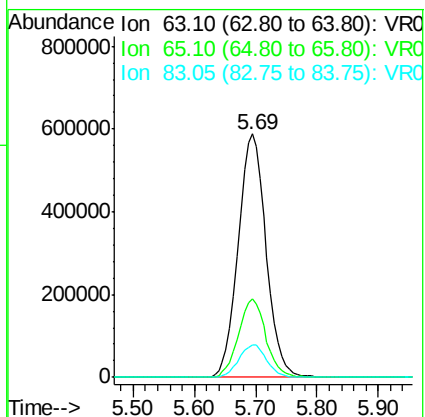
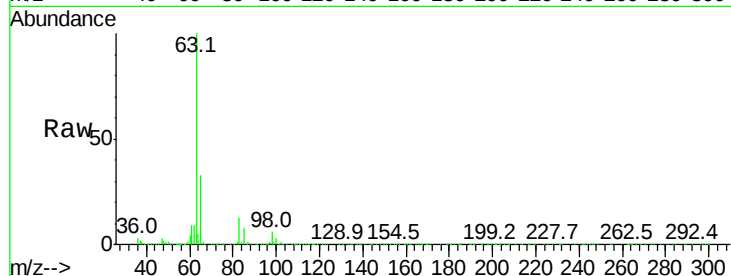
Tgt Ion: 63 Resp: 1849665

Ion Ratio Lower Upper

63 100

65 32.5 20.9 38.7

83 13.4 9.1 16.9



#21

2-Butanone

Concen: 194.356 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR026219.D

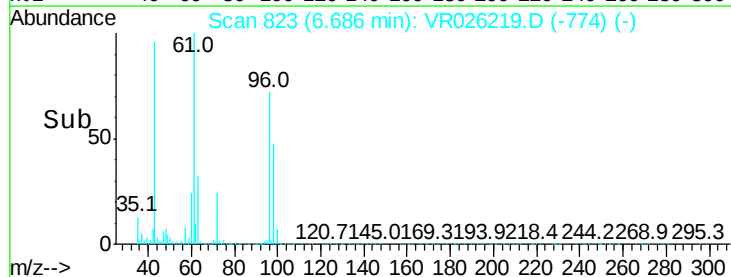
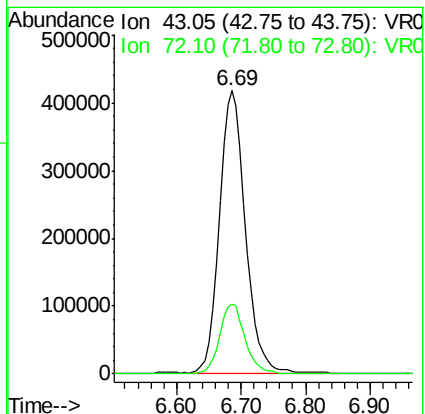
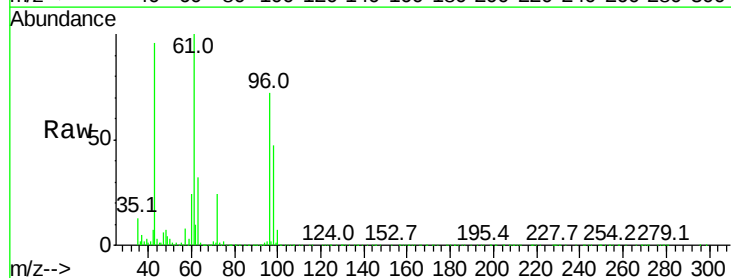
Acq: 9 Nov 2018 13:25

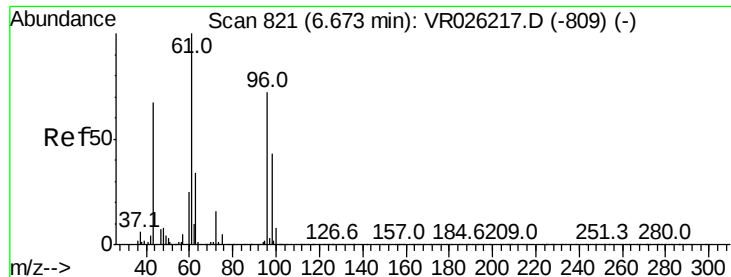
Tgt Ion: 43 Resp: 1183323

Ion Ratio Lower Upper

43 100

72 24.2 11.9 35.9



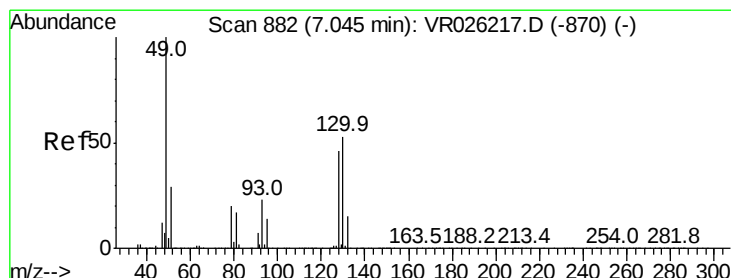
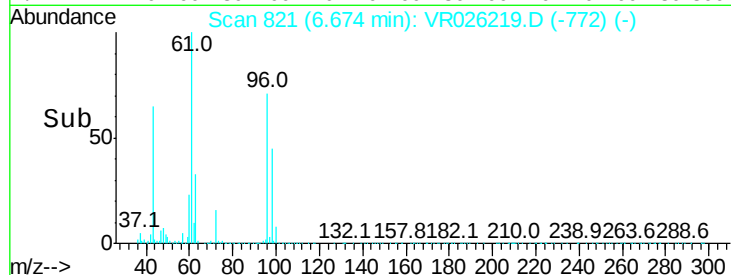
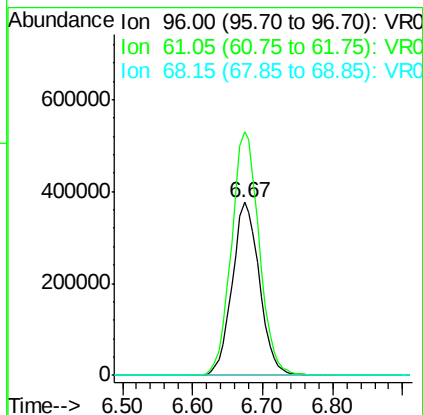
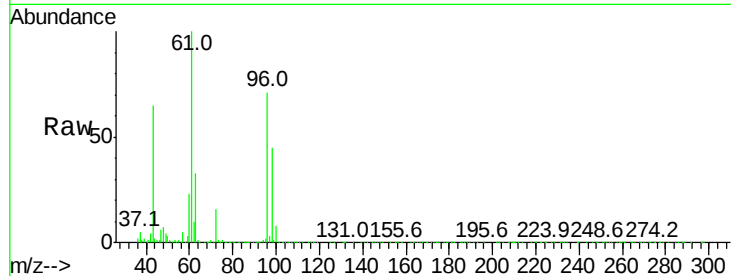


#22

cis-1,2-Dichloroethene
Concen: 20.527 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

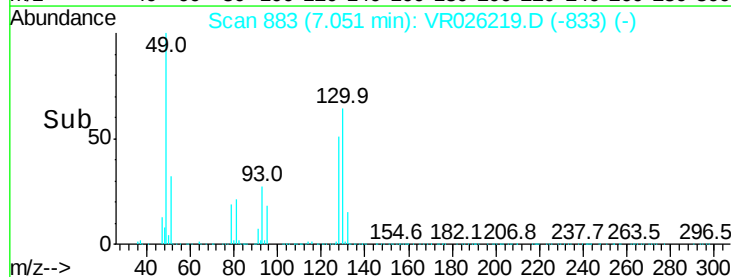
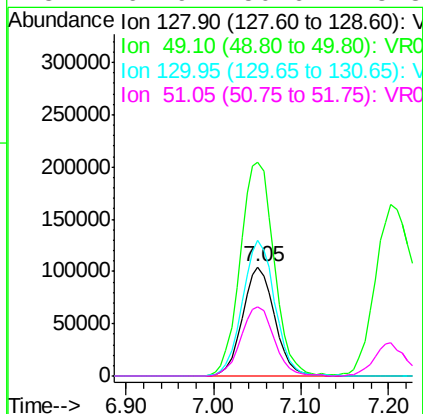
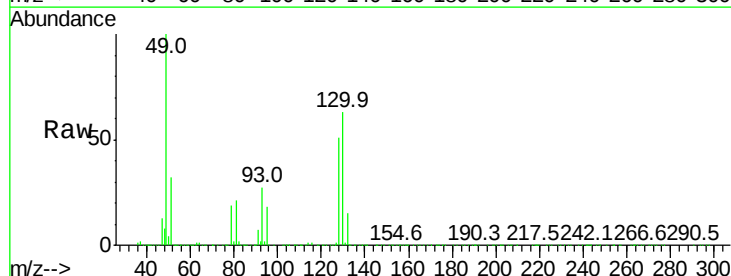
Tgt Ion: 96 Resp: 1014606
Ion Ratio Lower Upper
96 100
61 141.0 97.4 180.8
68 0.0 0.1 0.3#

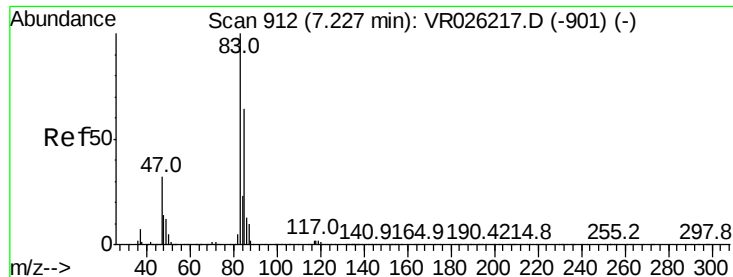


#23

Bromochloromethane
Concen: 19.059 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion: 128 Resp: 264257
Ion Ratio Lower Upper
128 100
49 195.9 151.1 280.5
130 124.4 80.5 149.5
51 62.9 50.6 75.8





#25

Chloroform

Concen: 19.009 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

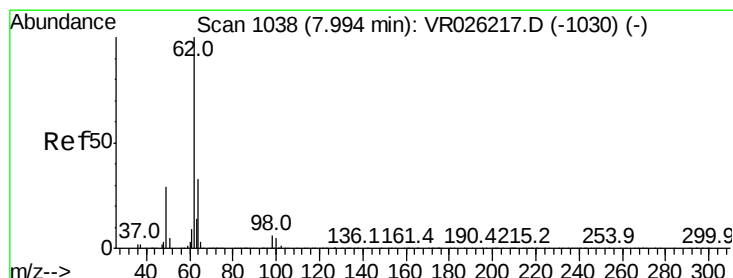
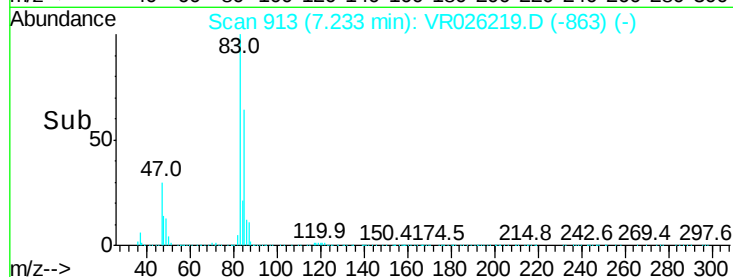
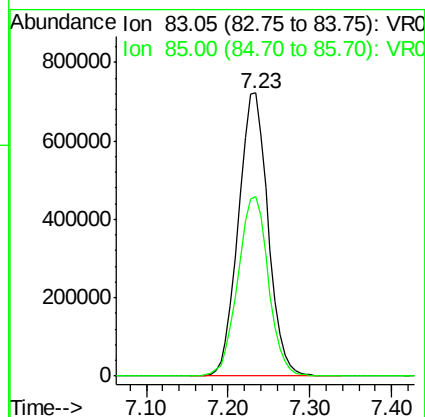
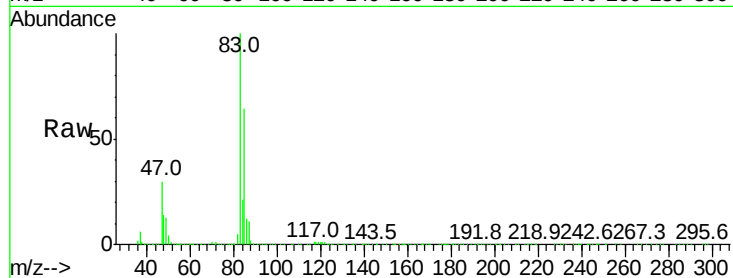
VSTD02085

Tgt Ion: 83 Resp: 1820003

Ion Ratio Lower Upper

83 100

85 63.6 44.8 83.2



#27

1,2-Dichloroethane

Concen: 17.522 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026219.D

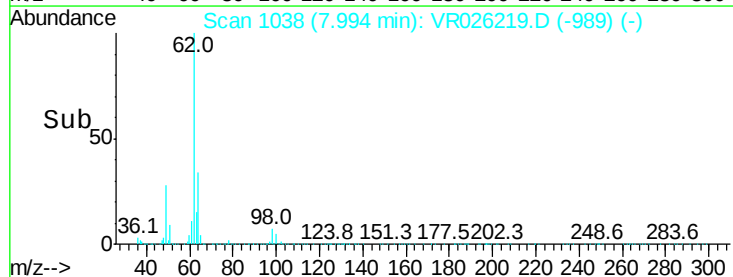
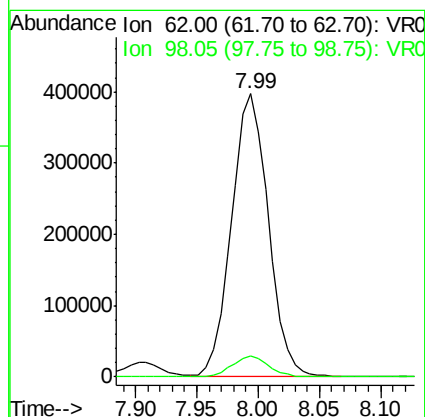
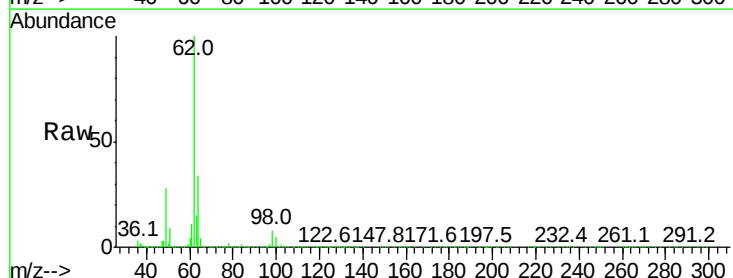
Acq: 9 Nov 2018 13:25

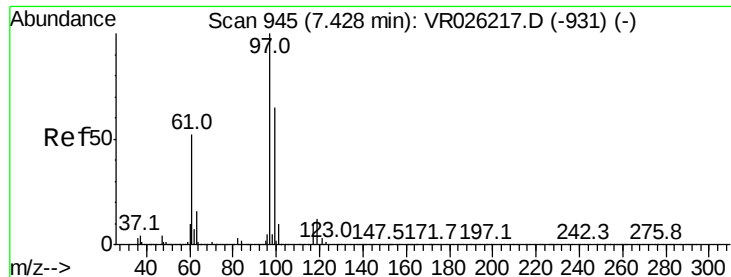
Tgt Ion: 62 Resp: 821203

Ion Ratio Lower Upper

62 100

98 7.5 5.0 7.6



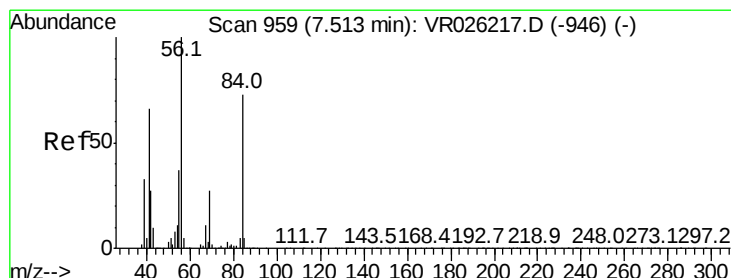
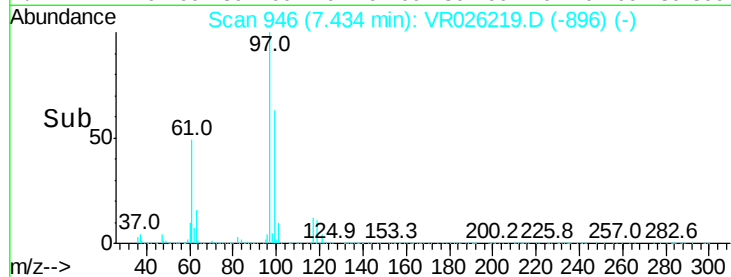
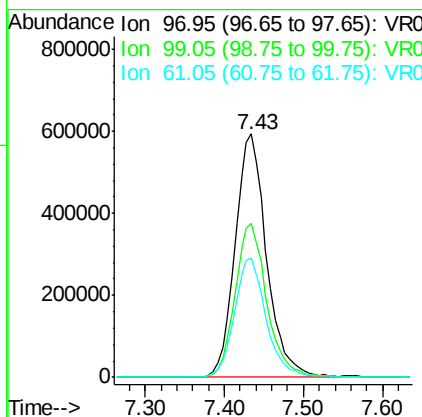
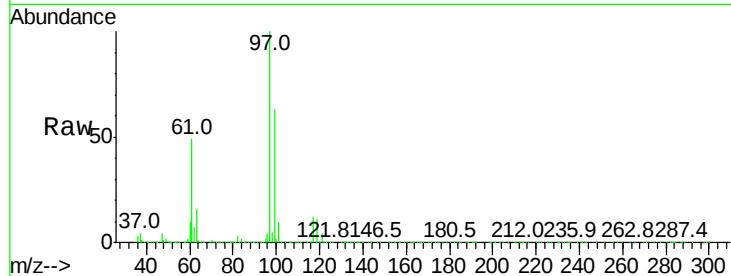


#29
 1,1,1-Trichloroethane
 Concen: 19.074 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 97 Resp: 1641602

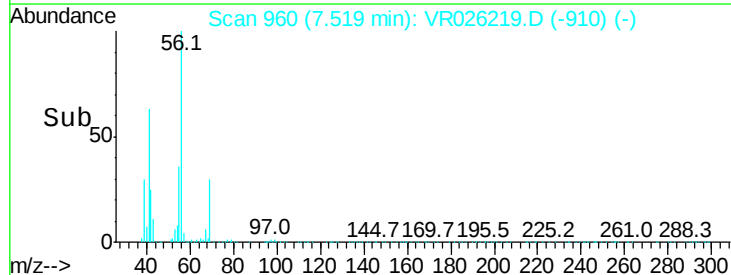
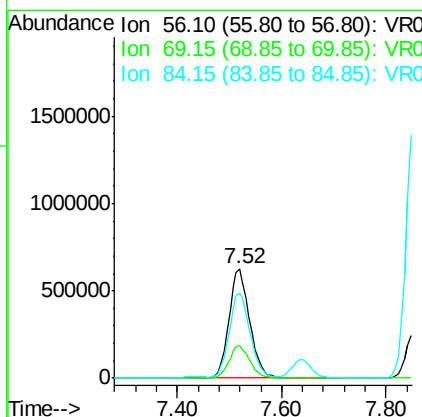
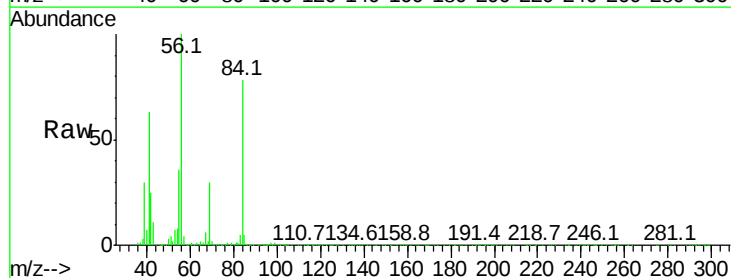
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.2	78.2
61	49.3	41.6	62.4

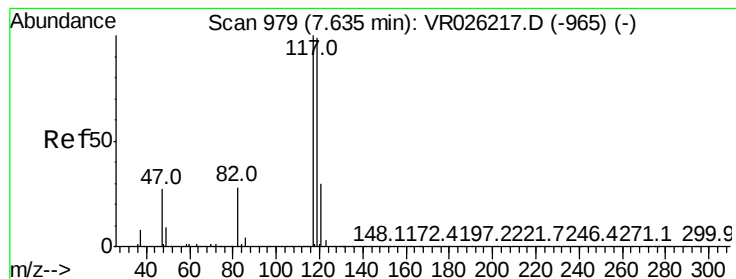


#30
 Cyclohexane
 Concen: 20.175 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Tgt Ion: 56 Resp: 1743015

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.6
84	78.7	60.8	91.2





#31

Carbon tetrachloride

Concen: 18.902 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

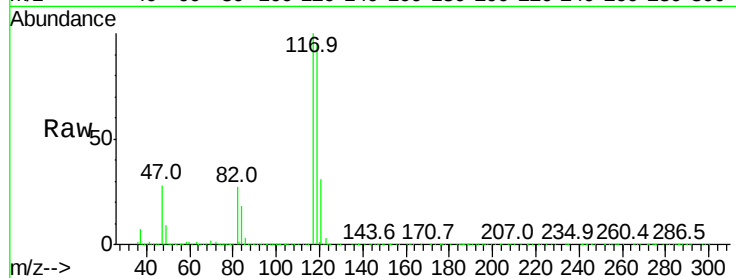
VSTD02085

Tgt Ion:117 Resp: 1479225

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

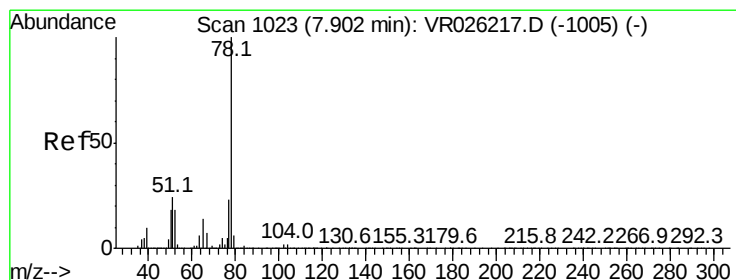
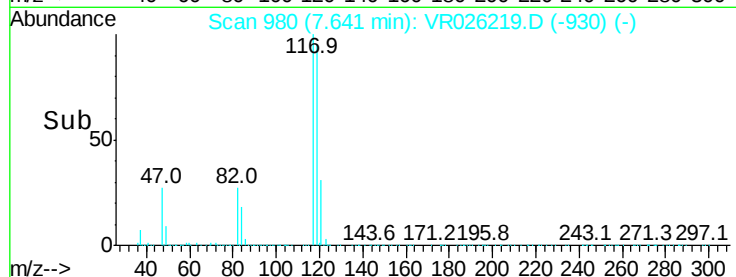
600000

400000

200000

0

Time-->



#33

Benzene

Concen: 19.195 ug/L

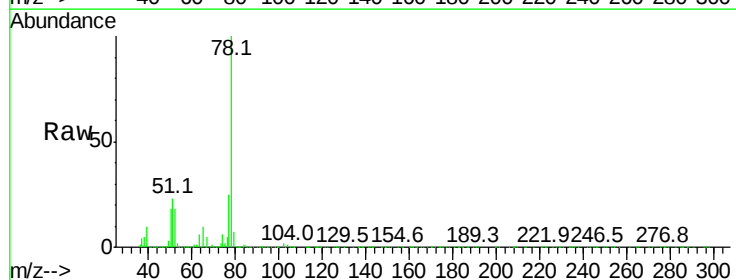
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Tgt Ion: 78 Resp: 4536520



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

2000000

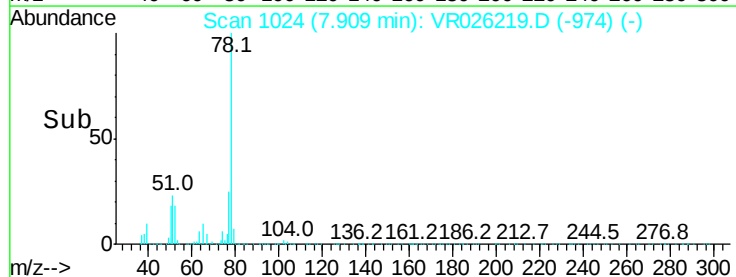
1500000

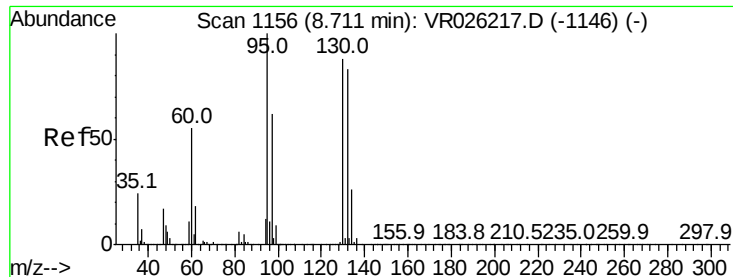
1000000

500000

0

Time-->



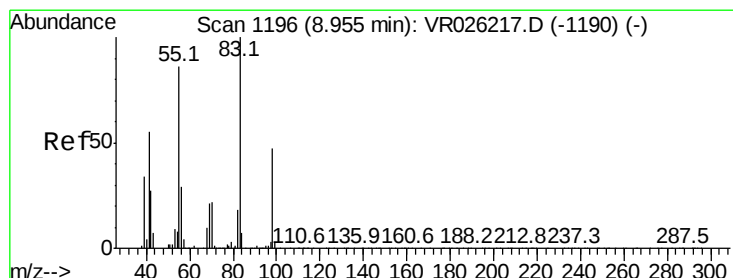
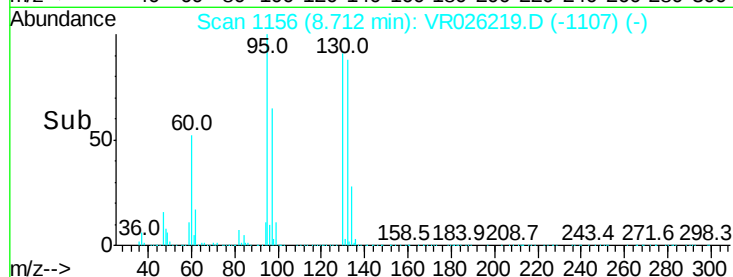
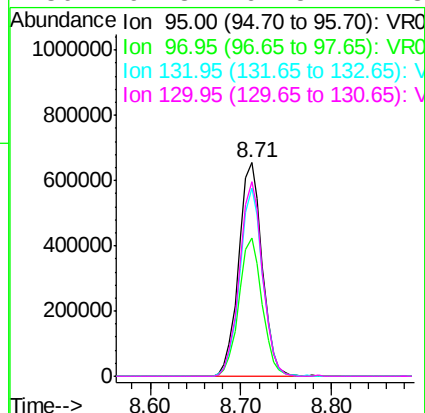
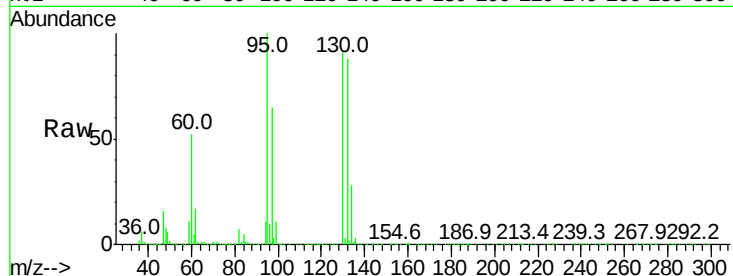


#34
 Trichloroethene
 Concen: 19.390 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion: 95 Resp: 1172930

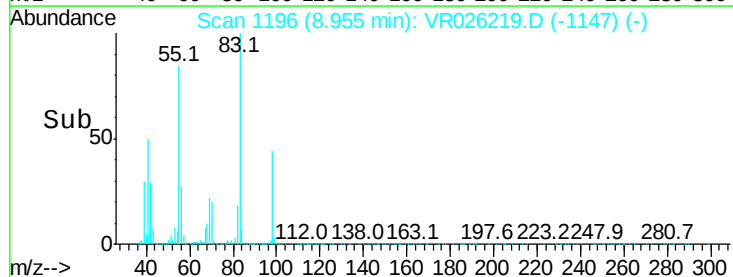
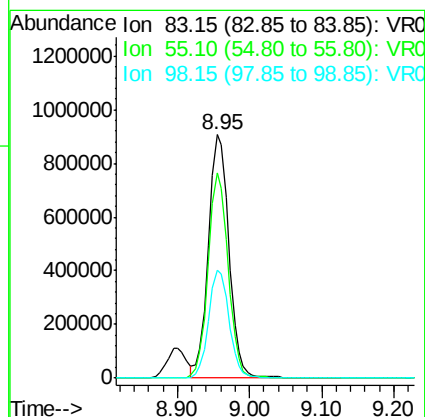
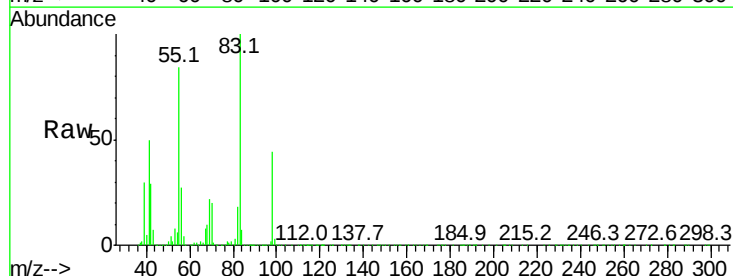
Ion	Ratio	Lower	Upper
95	100		
97	64.6	43.5	80.7
132	88.0	58.0	107.6
130	91.3	61.5	114.3

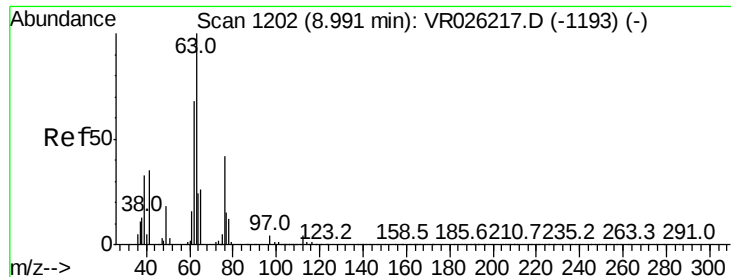


#35
 Methylcyclohexane
 Concen: 19.935 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Tgt Ion: 83 Resp: 1795328

Ion	Ratio	Lower	Upper
83	100		
55	82.6	67.9	101.9
98	44.3	35.8	53.6





#37

1,2-Dichloropropane

Concen: 18.184 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampled :

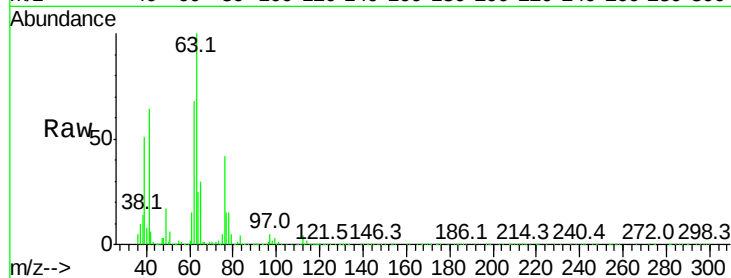
VSTD02085

Tgt Ion: 63 Resp: 906712

Ion Ratio Lower Upper

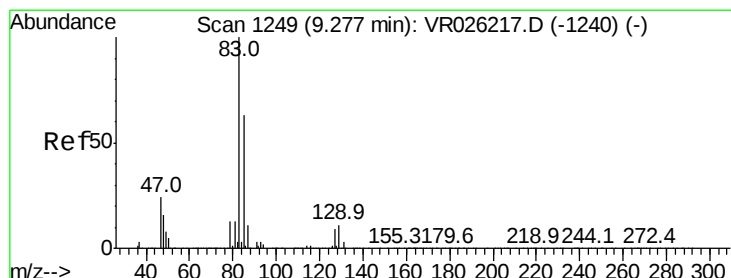
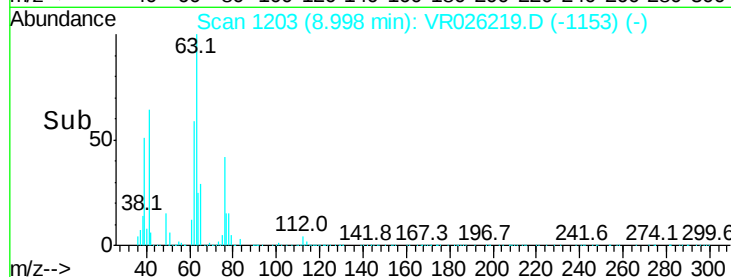
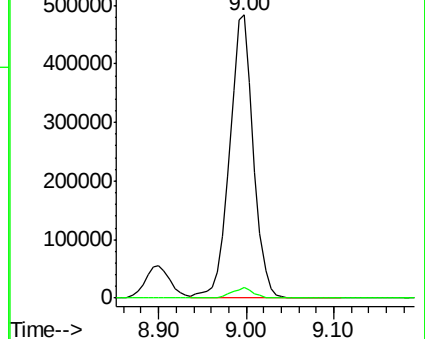
63 100

112 3.5 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 19.473 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

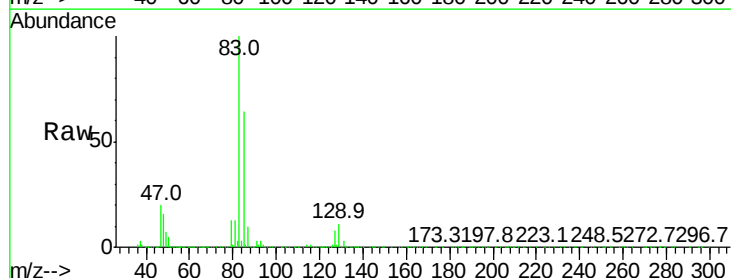
Tgt Ion: 83 Resp: 1044211

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.4

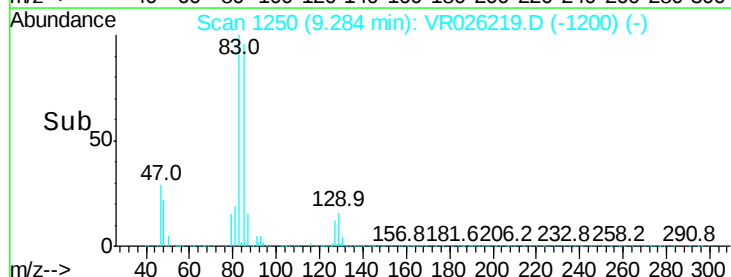
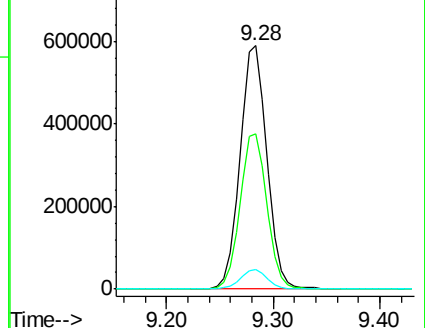
127 8.0 6.9 10.3

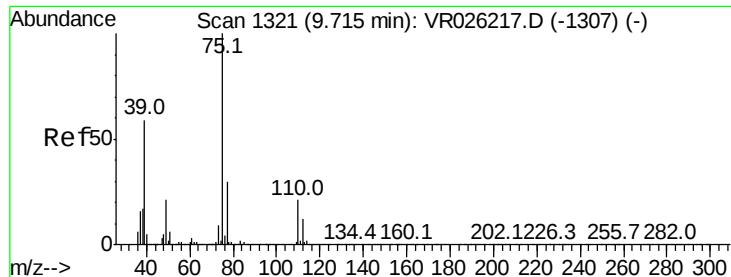


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 21.199 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

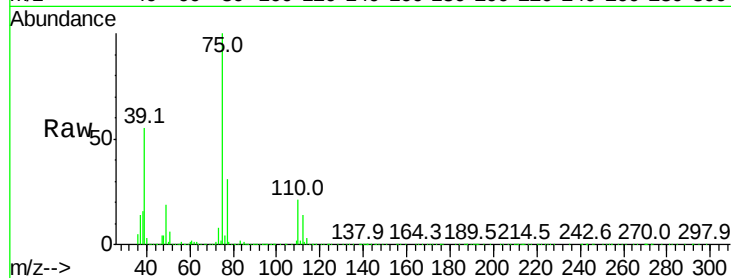
VSTD02085

Tgt Ion: 75 Resp: 1209789

Ion Ratio Lower Upper

75 100

77 31.0 20.7 38.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

800000

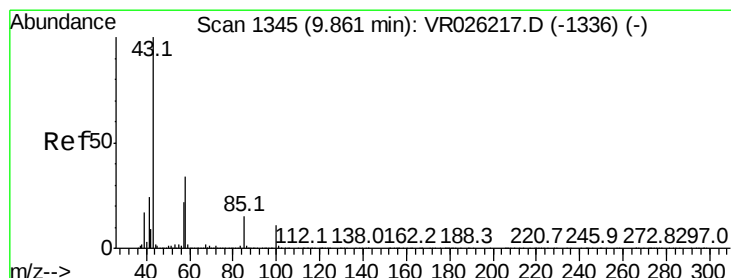
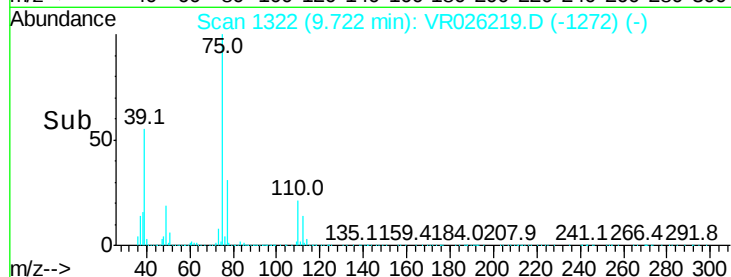
600000

400000

200000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 189.652 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

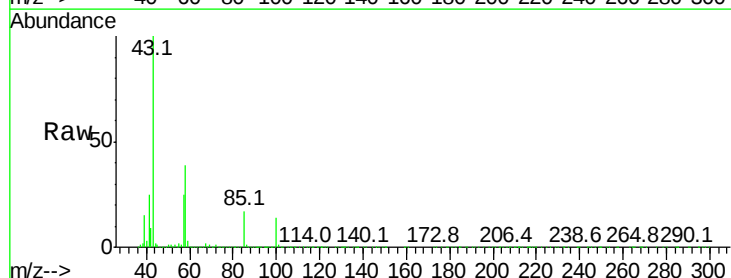
Tgt Ion: 43 Resp: 2887953

Ion Ratio Lower Upper

43 100

58 36.9 27.8 41.6

100 12.7 9.4 14.2



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

9.87

2000000

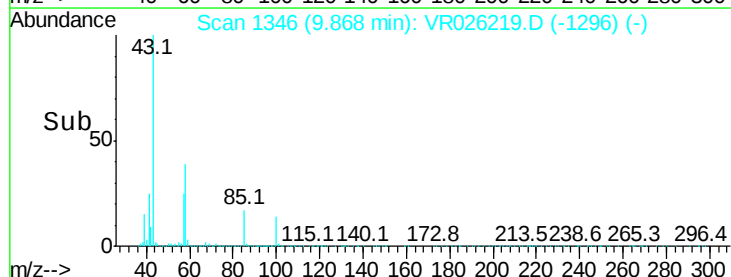
1500000

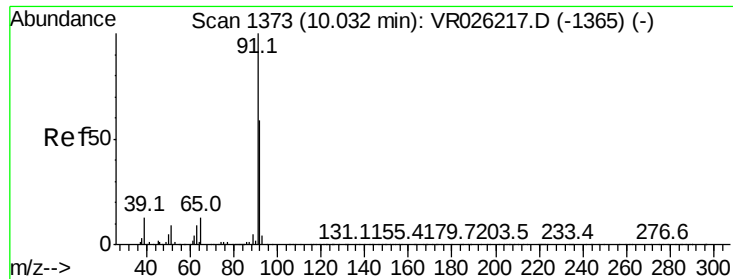
1000000

500000

0

Time-->





#42

Toluene

Concen: 19.818 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

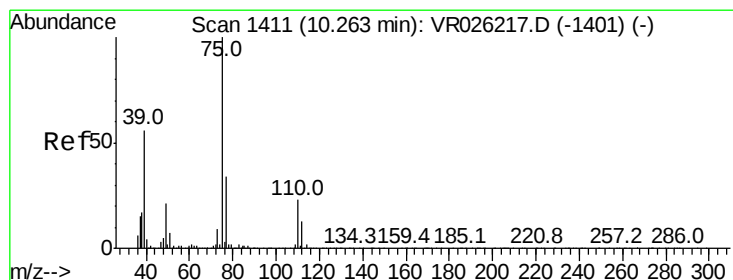
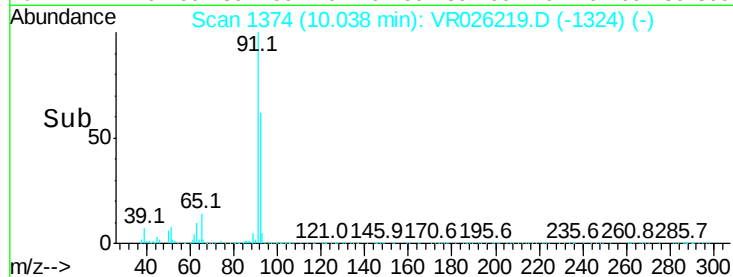
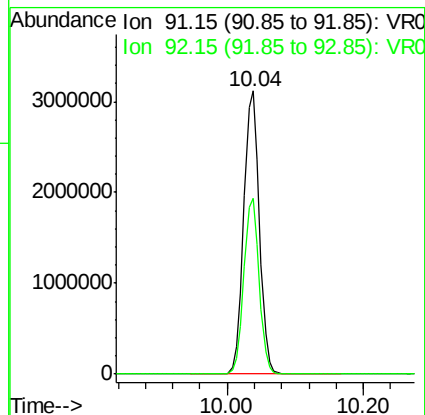
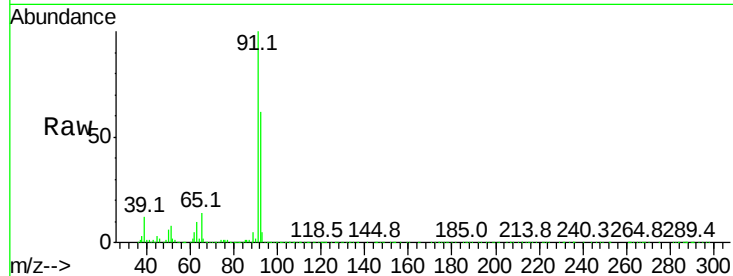
VSTD02085

Tgt Ion: 91 Resp: 4943275

Ion Ratio Lower Upper

91 100

92 62.1 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 20.676 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026219.D

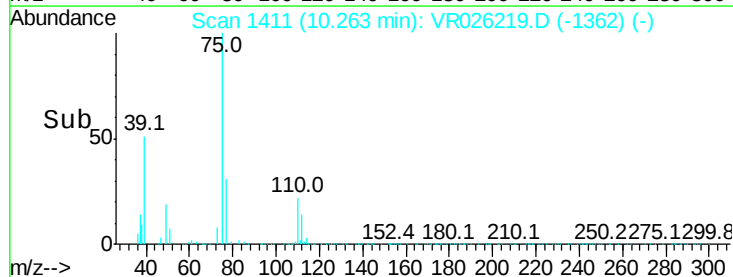
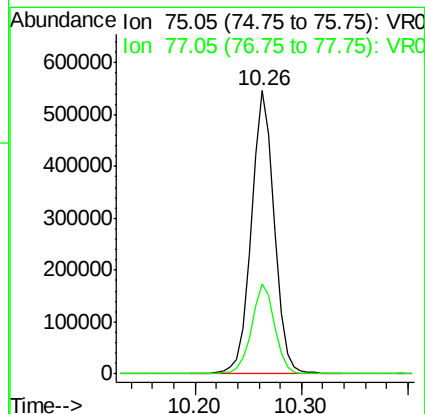
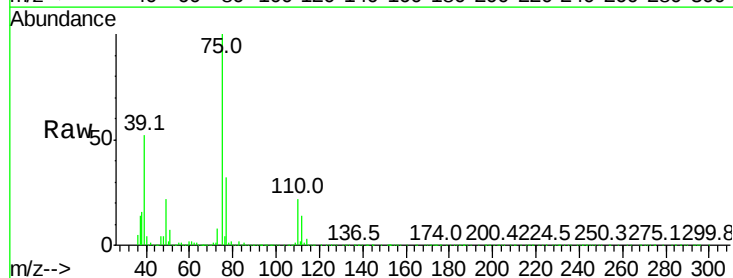
Acq: 9 Nov 2018 13:25

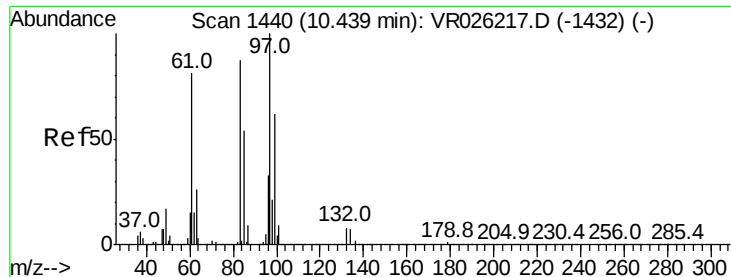
Tgt Ion: 75 Resp: 824403

Ion Ratio Lower Upper

75 100

77 31.9 23.7 44.1

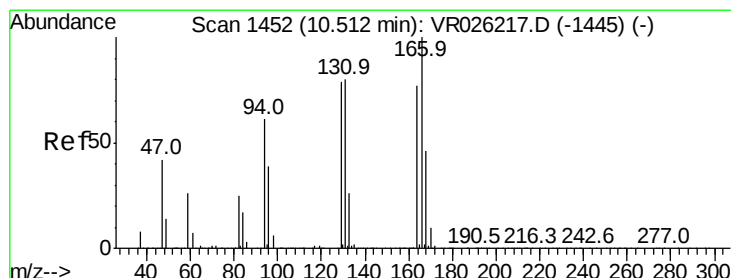
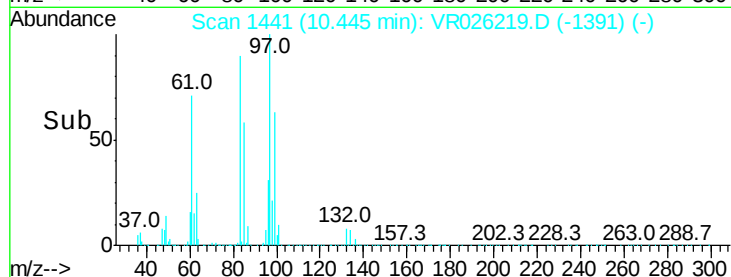
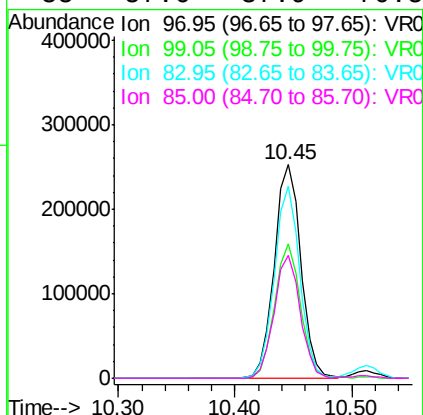
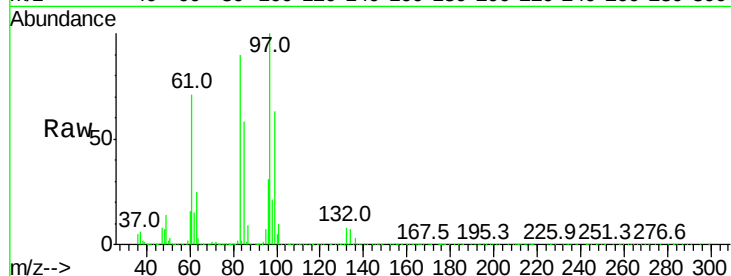




#45
1,1,2-Trichloroethane
Concen: 18.751 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

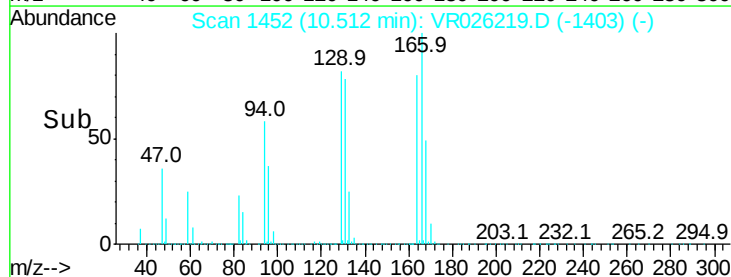
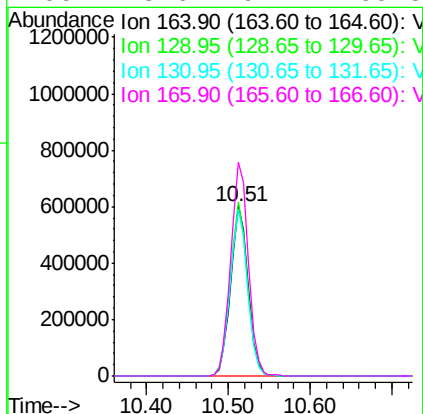
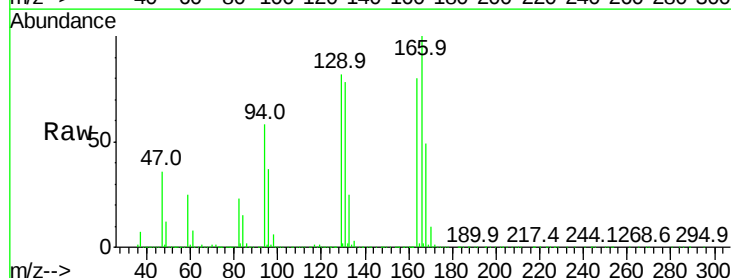
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

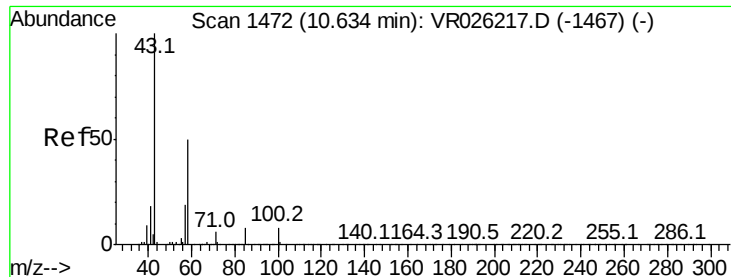
Tgt Ion:	97	Resp:	394372
Ion	Ratio	Lower	Upper
97	100		
99	62.8	43.0	80.0
83	90.1	61.0	113.2
85	57.6	37.9	70.5



#47
Tetrachloroethene
Concen: 20.135 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion:	164	Resp:	869775
Ion	Ratio	Lower	Upper
164	100		
129	102.5	72.3	134.3
131	98.0	73.4	136.2
166	125.6	91.4	169.8



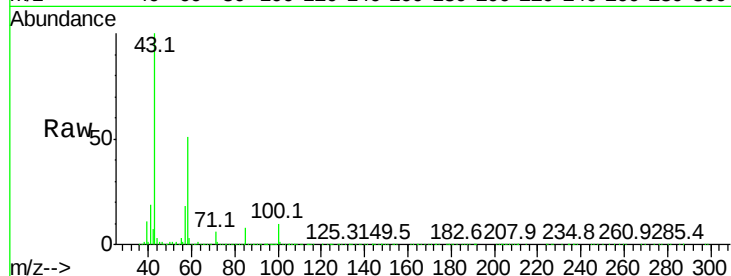


#48
2-Hexanone
Concen: 192.247 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

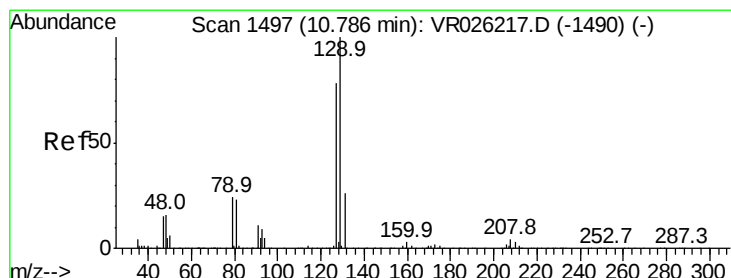
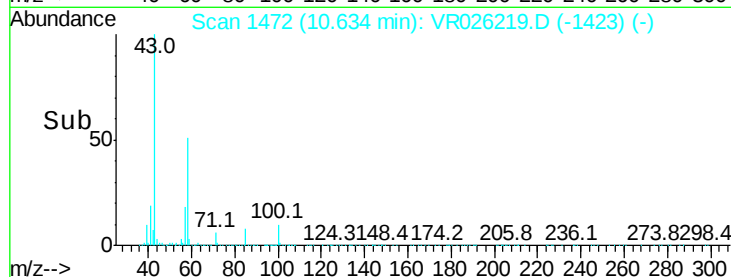
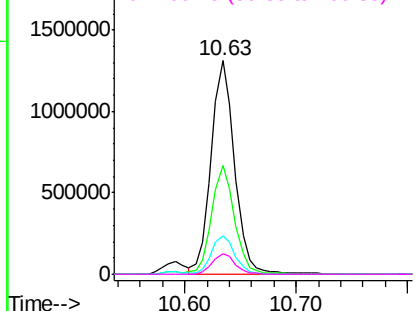
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

Tgt Ion: 43 Resp: 1912022

Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.0	60.0
57	18.0	14.6	21.8
100	9.5	7.4	11.0



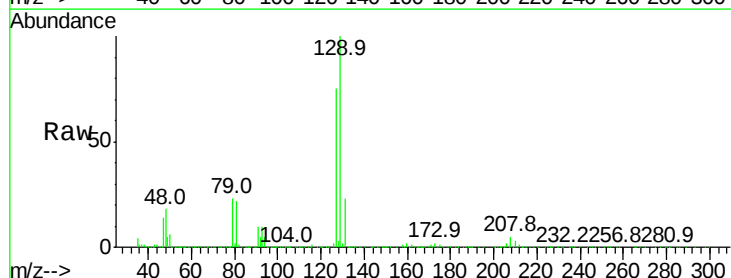
Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0



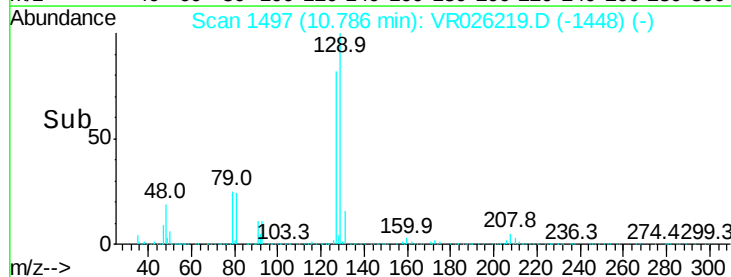
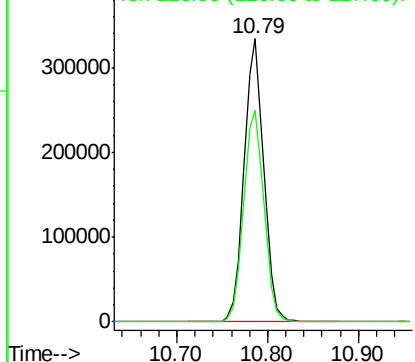
#49
Dibromochloromethane
Concen: 21.179 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

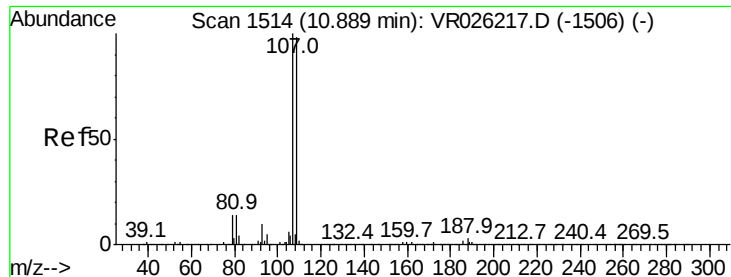
Tgt Ion: 129 Resp: 501272

Ion	Ratio	Lower	Upper
129	100		
127	74.6	54.7	101.7



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

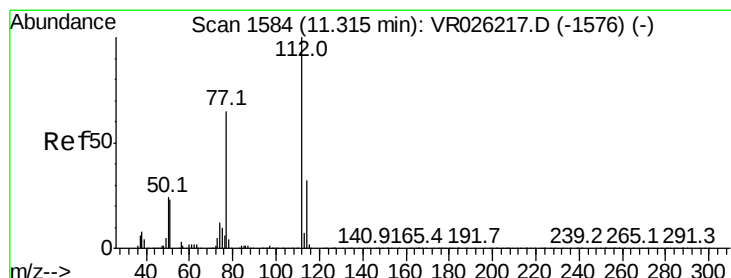
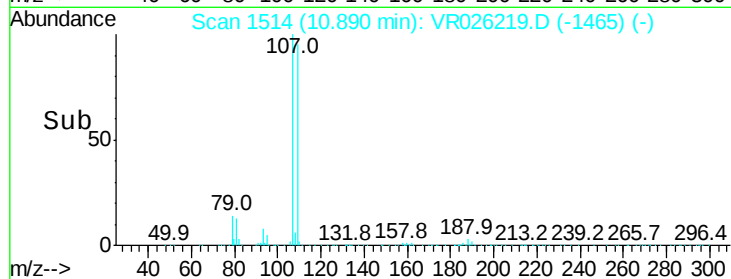
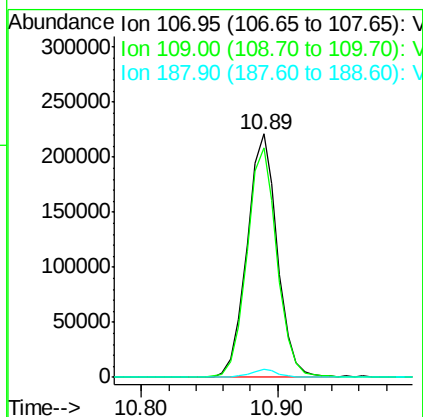
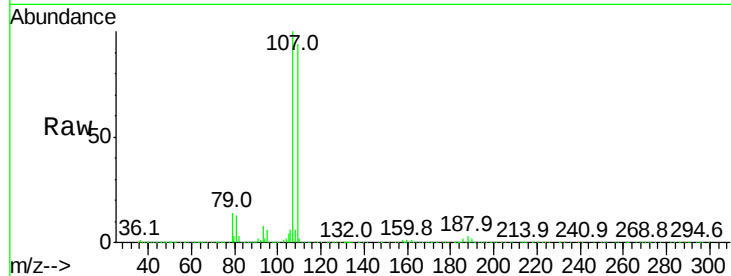




#50
1,2-Dibromoethane
Concen: 18.919 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

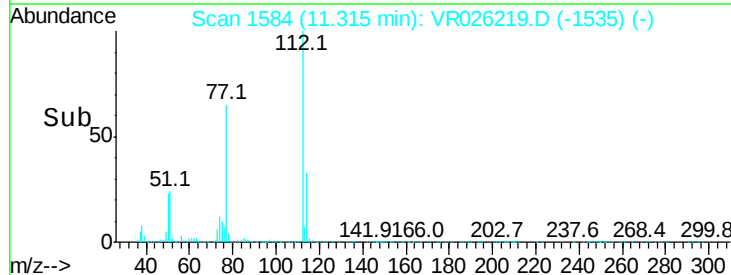
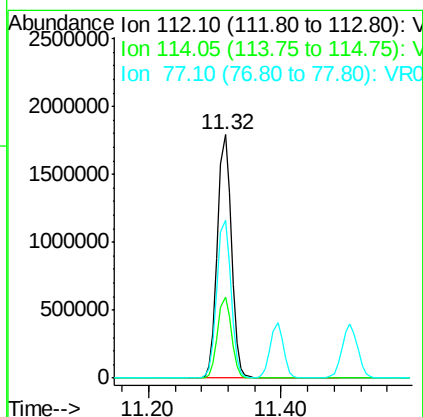
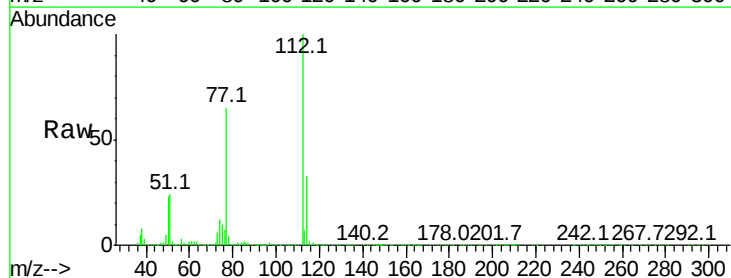
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

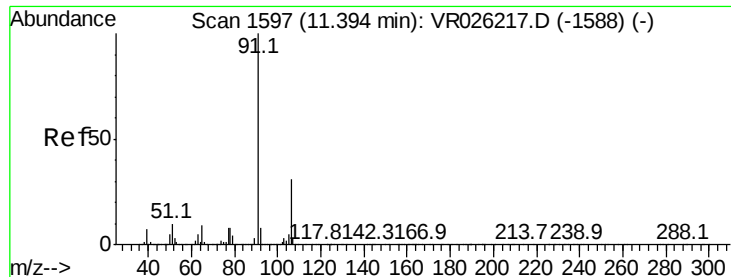
Tgt Ion:107 Resp: 343765
Ion Ratio Lower Upper
107 100
109 94.4 68.7 127.5
188 3.4 2.1 3.1#



#51
Chlorobenzene
Concen: 18.904 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion:112 Resp: 2610422
Ion Ratio Lower Upper
112 100
114 33.4 22.7 42.3
77 65.1 51.8 77.8





#52

Ethylbenzene

Concen: 19.257 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

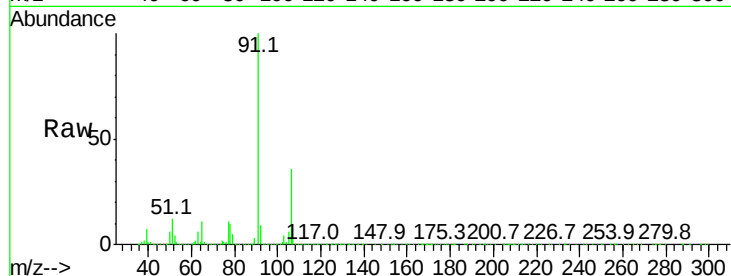
VSTD02085

Tgt Ion: 91 Resp: 5523628

Ion Ratio Lower Upper

91 100

106 36.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.39

4000000

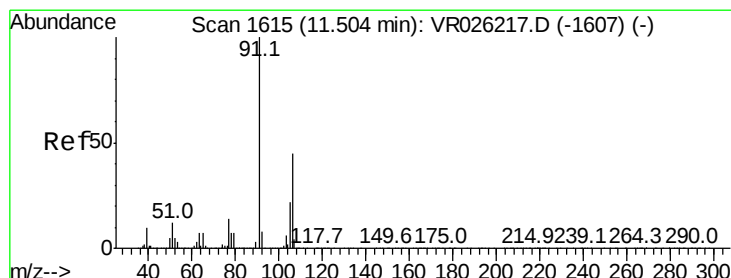
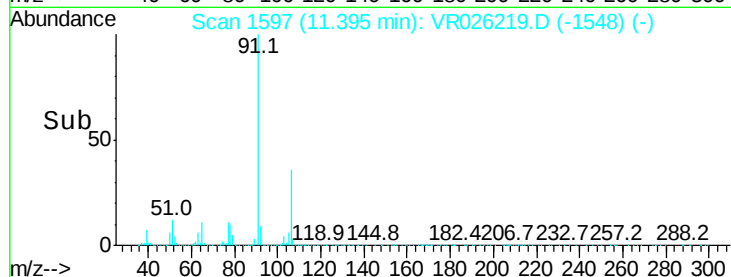
3000000

2000000

1000000

0

Time--> 11.30 11.40



#53

m,p-Xylene

Concen: 21.070 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026219.D

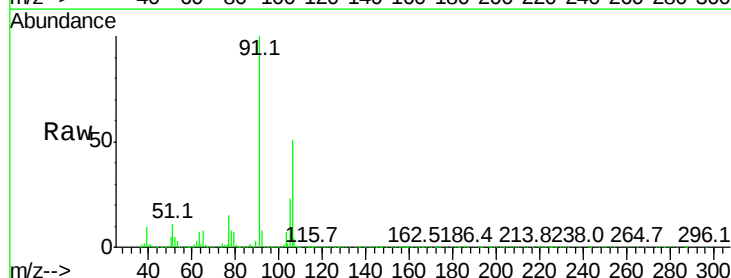
Acq: 9 Nov 2018 13:25

Tgt Ion: 106 Resp: 2202015

Ion Ratio Lower Upper

106 100

91 197.7 153.9 285.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.50

4000000

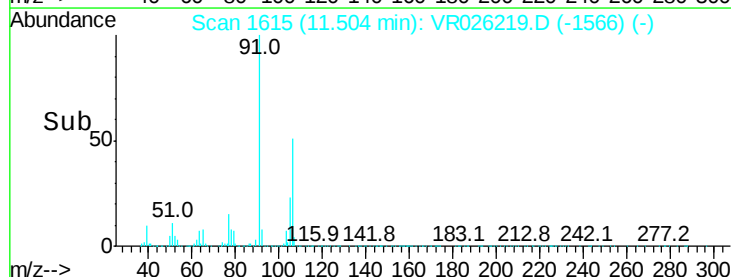
3000000

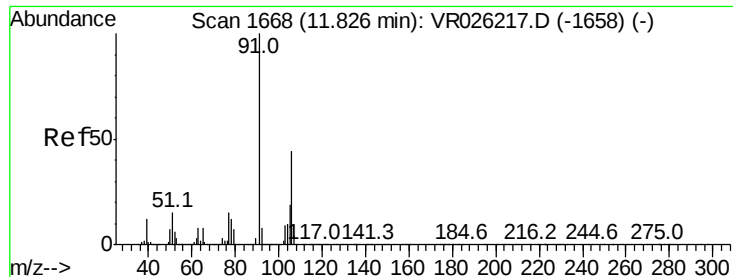
2000000

1000000

0

Time--> 11.40 11.50 11.60 11.70

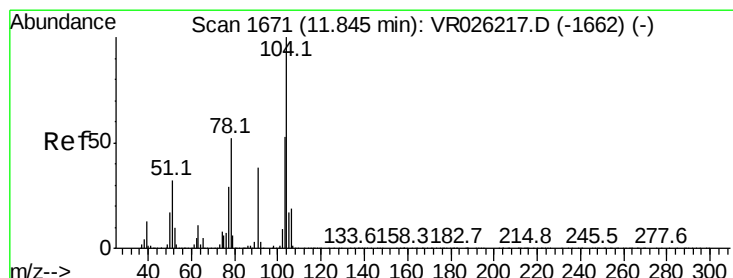
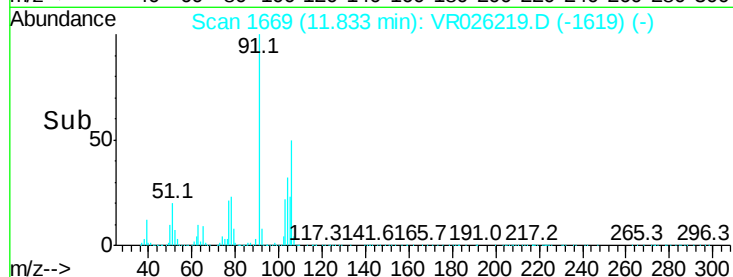
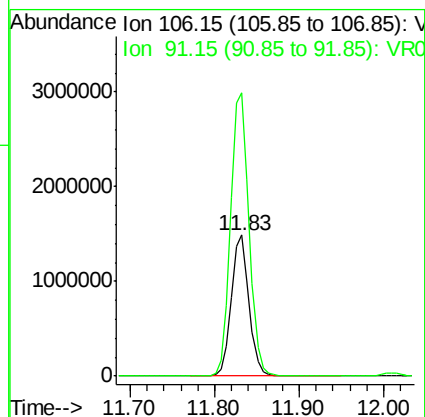
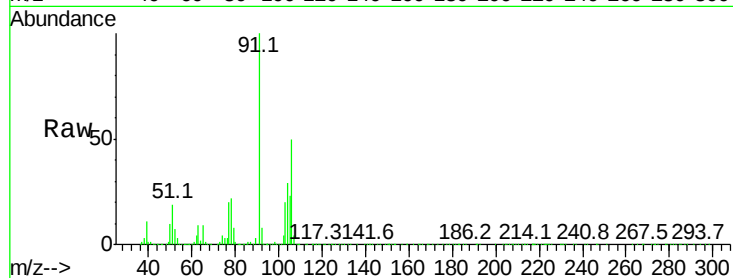




#54
o-Xylene
Concen: 22.144 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

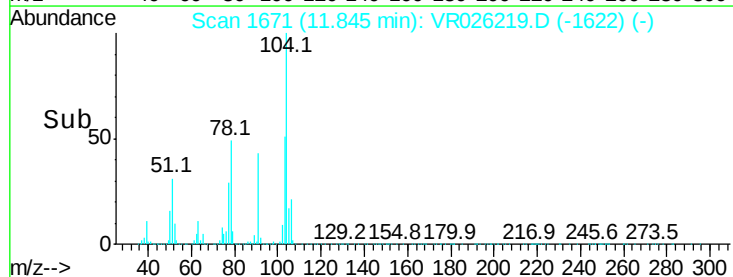
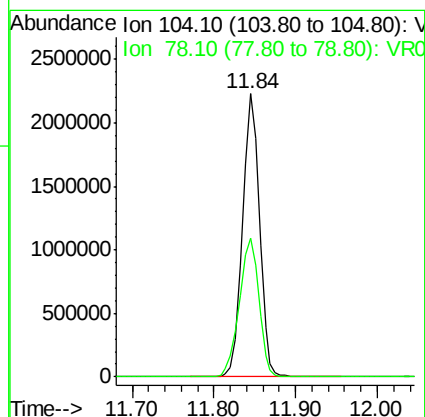
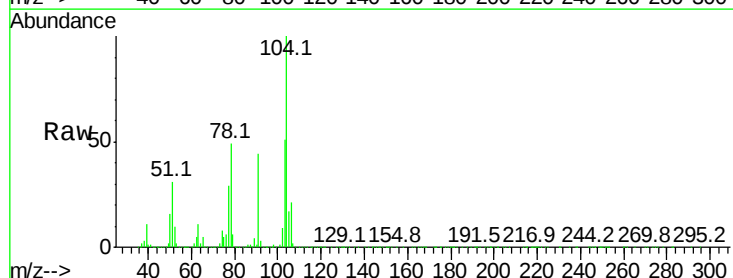
Instrument :
MSVOA_R
ClientSampleId :
VSTD02085

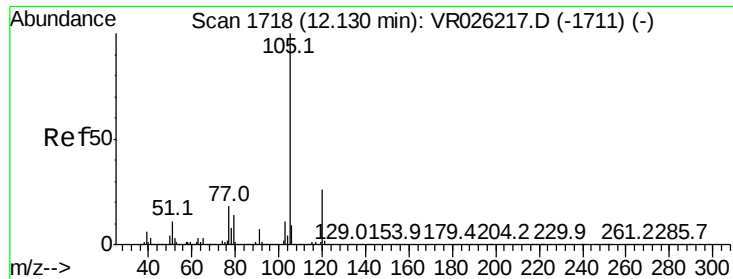
Tgt Ion:106 Resp: 2121642
Ion Ratio Lower Upper
106 100
91 200.4 159.5 296.1



#55
Styrene
Concen: 21.524 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026219.D
Acq: 9 Nov 2018 13:25

Tgt Ion:104 Resp: 3174202
Ion Ratio Lower Upper
104 100
78 48.9 36.8 68.3





#56

Isopropylbenzene

Concen: 20.144 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

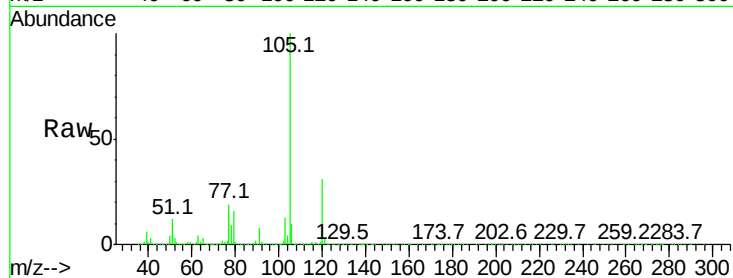
Tgt Ion:105 Resp: 5360570

Ion Ratio Lower Upper

105 100

120 28.8 20.4 30.6

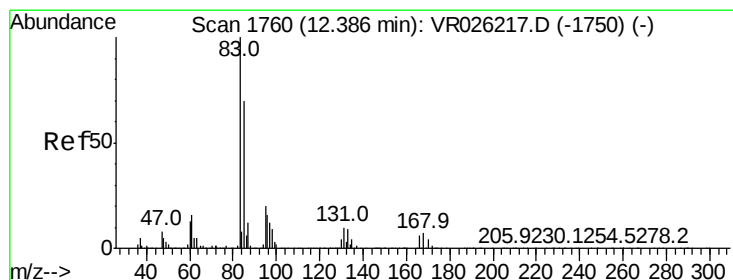
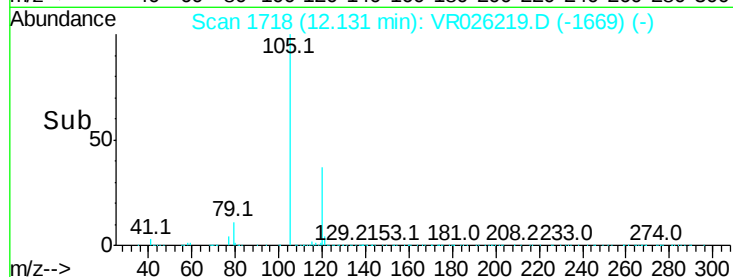
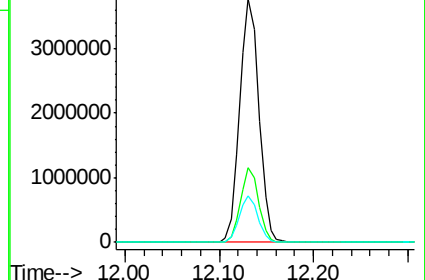
77 18.4 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 16.876 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

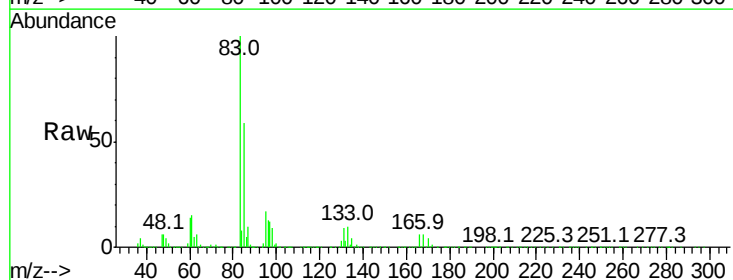
Tgt Ion: 83 Resp: 360739

Ion Ratio Lower Upper

83 100

85 59.2 49.1 91.1

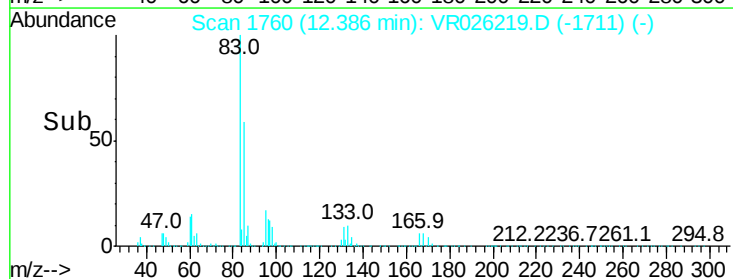
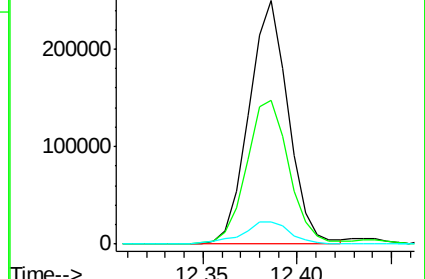
131 9.1 8.3 12.5

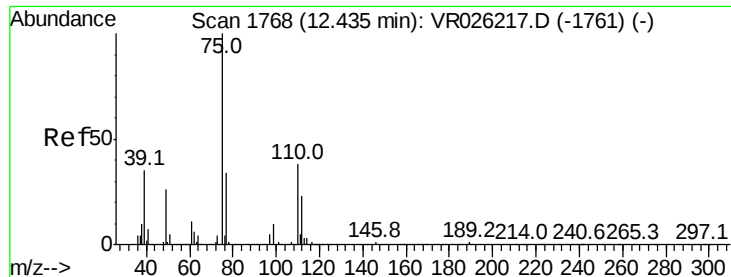


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 17.103 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

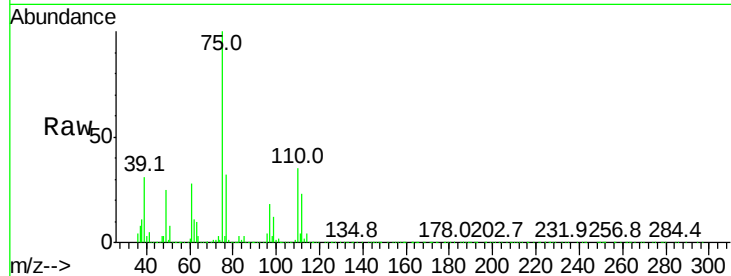
VSTD02085

Tgt Ion: 75 Resp: 268414

Ion Ratio Lower Upper

75 100

77 31.2 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

12.43

200000

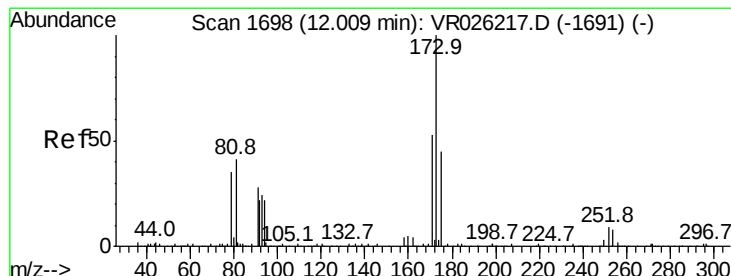
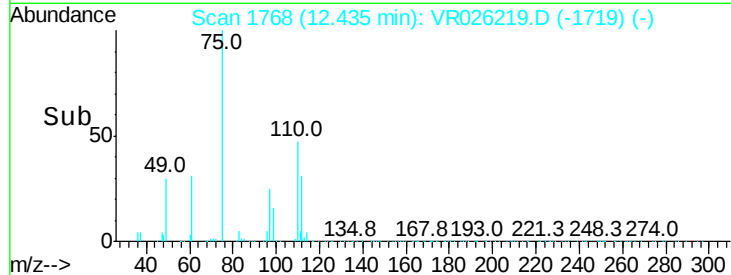
150000

100000

50000

0

Time--> 12.30 12.40 12.50 12.60



#61

Bromoform

Concen: 23.122 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

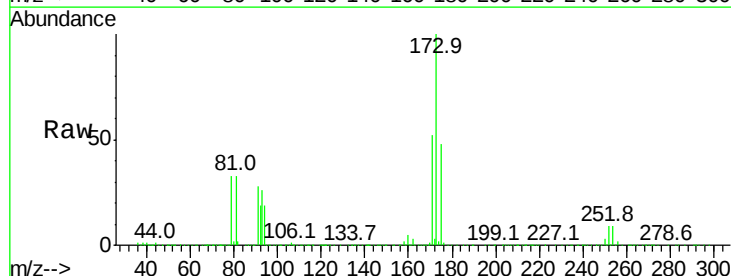
Tgt Ion: 173 Resp: 197783

Ion Ratio Lower Upper

173 100

175 47.4 38.2 57.4

254 9.3 8.0 12.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

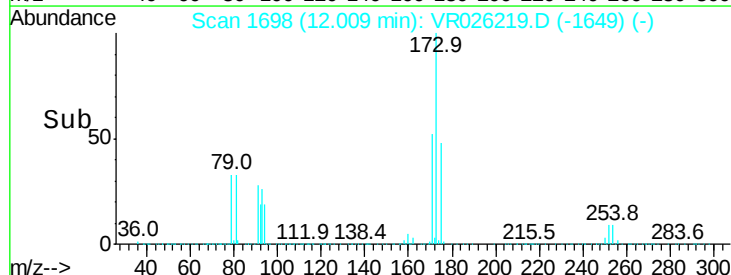
150000

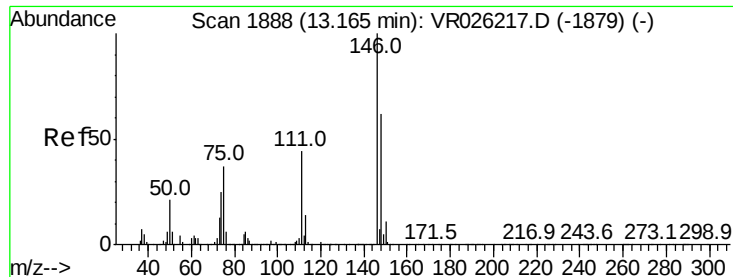
100000

50000

0

Time--> 11.90 12.00 12.10





#62

1,3-Dichlorobenzene

Concen: 20.109 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

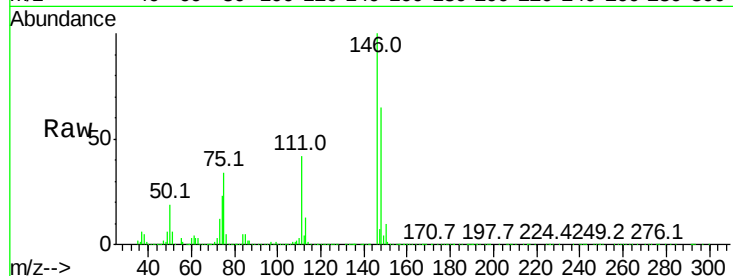
Tgt Ion:146 Resp: 1643986

Ion Ratio Lower Upper

146 100

111 42.2 30.5 56.7

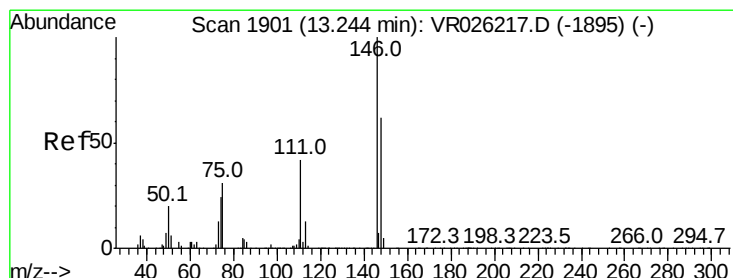
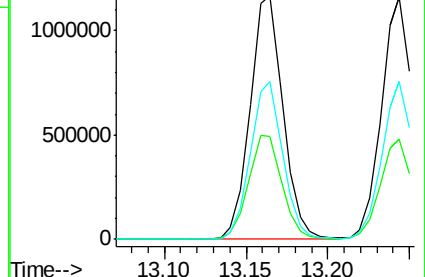
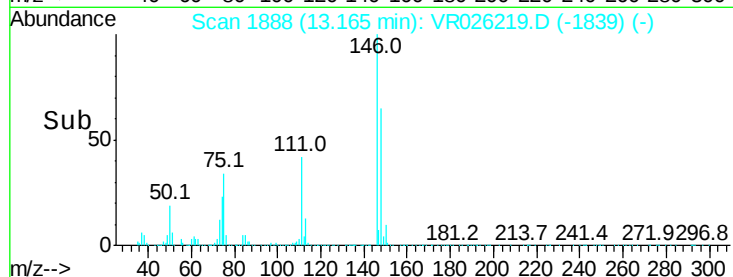
148 64.9 43.5 80.7



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: 18.933 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

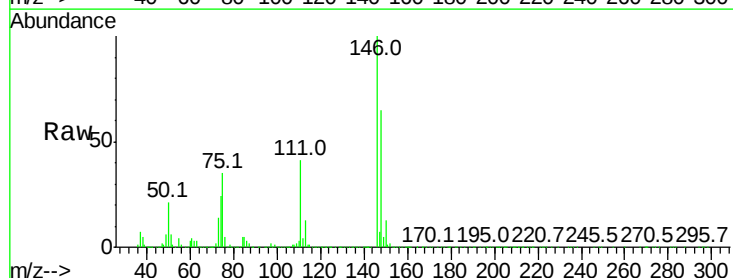
Tgt Ion:146 Resp: 1603006

Ion Ratio Lower Upper

146 100

111 41.4 29.3 54.3

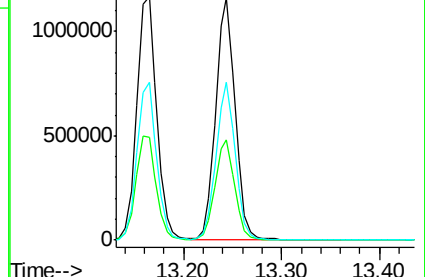
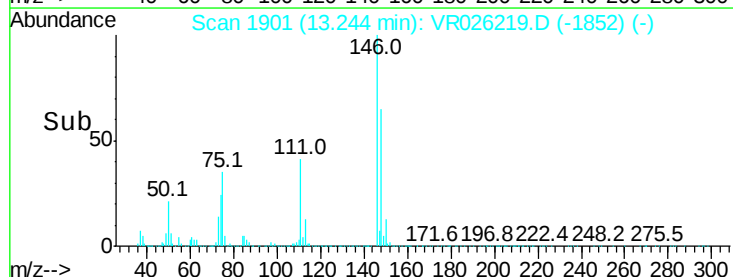
148 65.1 43.0 80.0

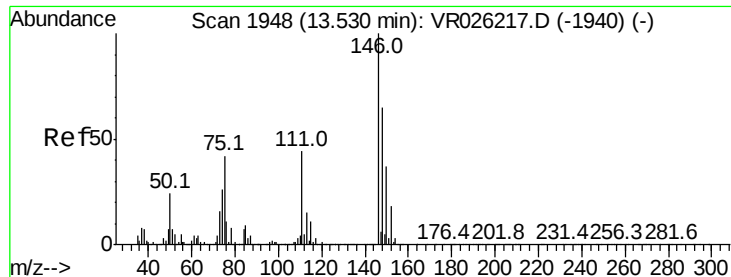


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

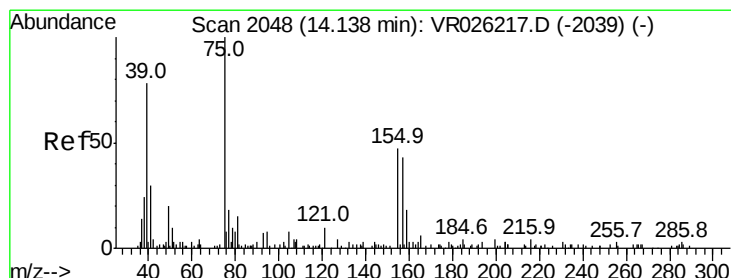
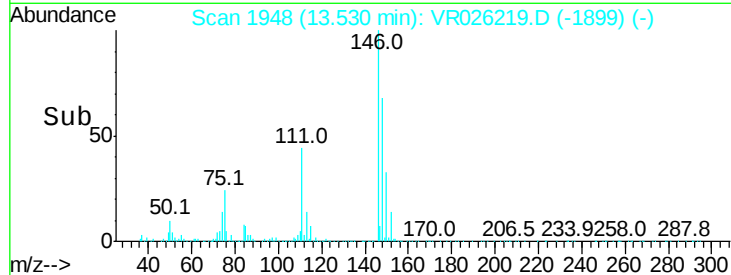
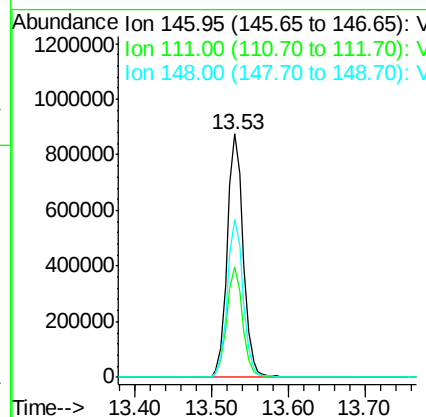
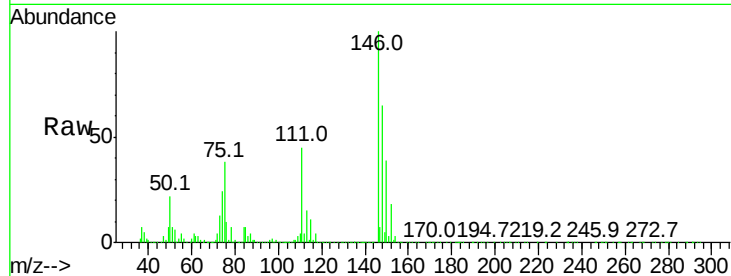




#65
 1,2-Dichlorobenzene
 Concen: 19.174 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

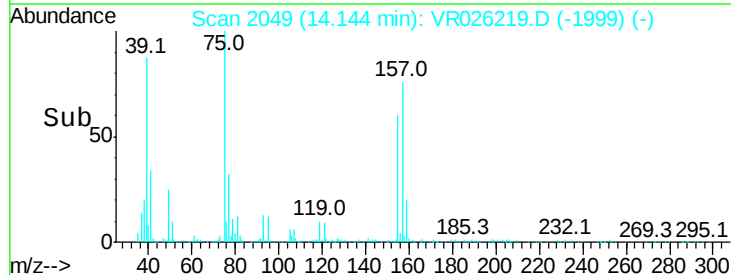
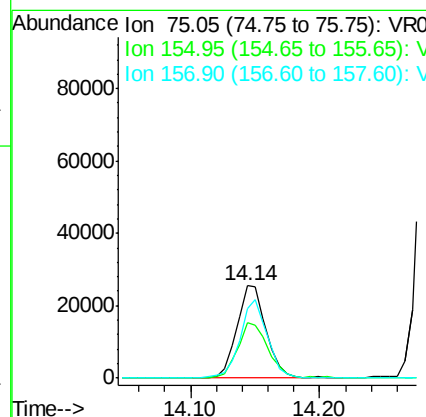
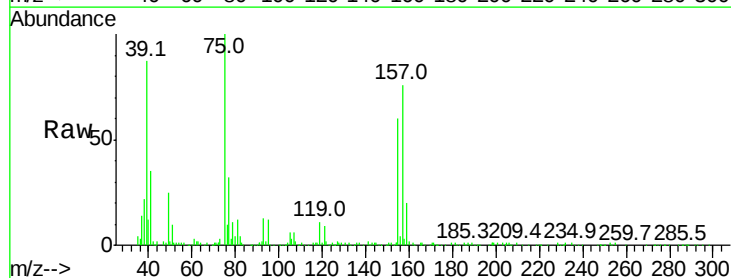
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD02085

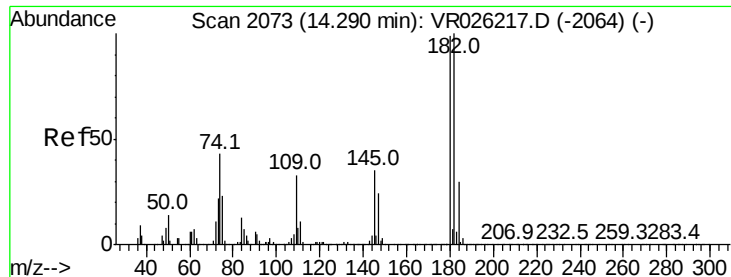
Tgt Ion: 146 Resp: 1258128
 Ion Ratio Lower Upper
 146 100
 111 45.3 35.0 52.6
 148 65.0 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 15.049 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.01 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Tgt Ion: 75 Resp: 40231
 Ion Ratio Lower Upper
 75 100
 155 60.1 37.8 56.6#
 157 75.6 34.6 51.8#

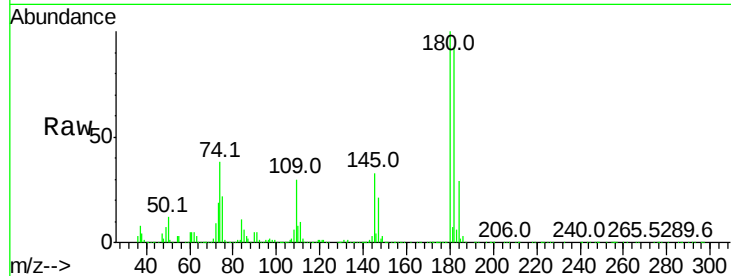




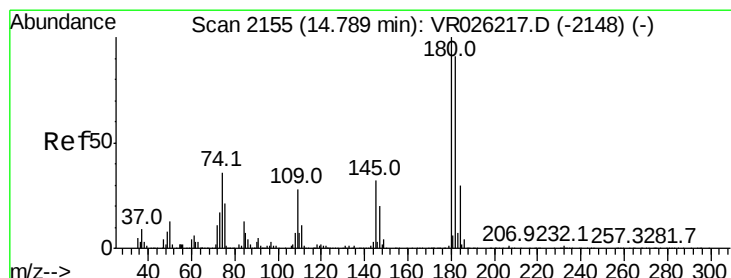
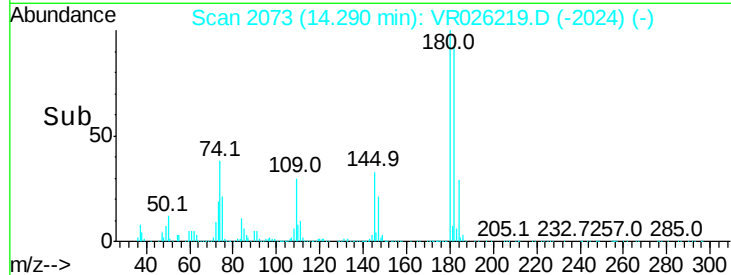
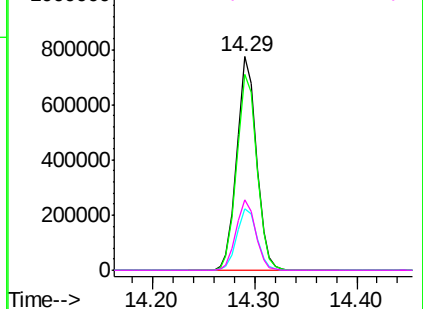
#67
 1,3,5-Trichlorobenzene
 Concen: 20.485 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02085

Tgt Ion:180 Resp: 1020418
 Ion Ratio Lower Upper
 180 100
 182 93.7 77.0 115.6
 184 29.8 23.2 34.8
 145 32.8 26.4 39.6

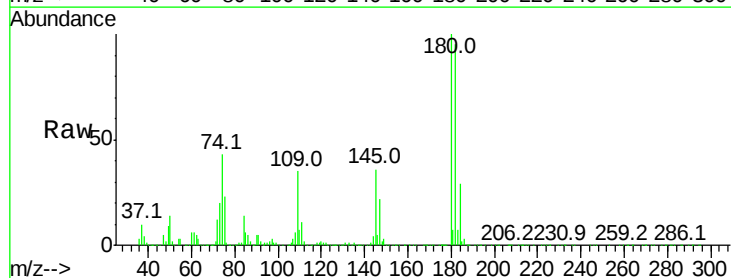


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 1000000
 800000
 600000
 400000
 200000
 0

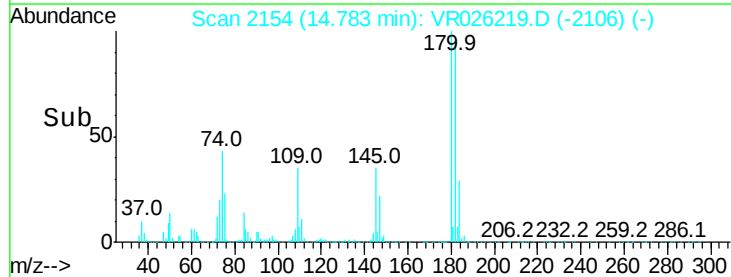
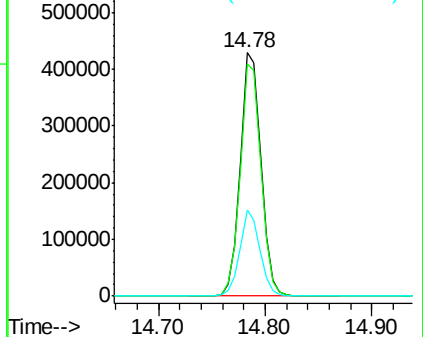


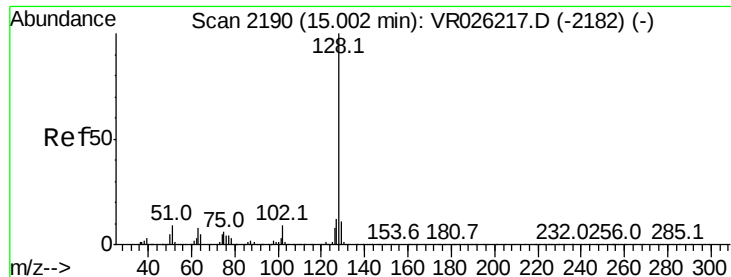
#68
 1,2,4-trichlorobenzene
 Concen: 20.174 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026219.D
 Acq: 9 Nov 2018 13:25

Tgt Ion:180 Resp: 586561
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.0 112.6
 145 34.1 27.3 40.9



Abundance Ion 179.90 (179.60 to 180.60): V
 600000
 500000
 400000
 300000
 200000
 100000
 0





#69

Naphthalene

Concen: 24.148 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

Instrument :

MSVOA_R

ClientSampleId :

VSTD02085

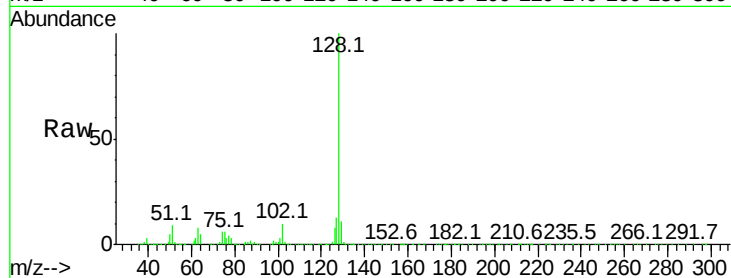
Tgt Ion:128 Resp: 681805

Ion Ratio Lower Upper

128 100

127 13.1 9.8 14.8

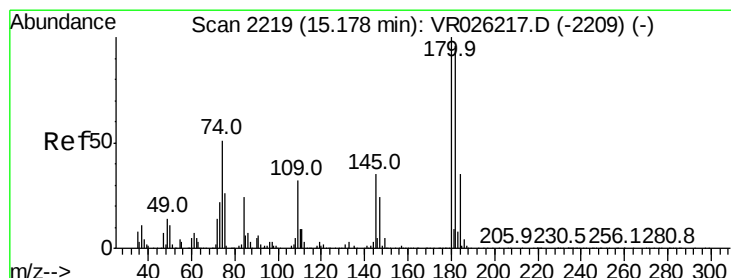
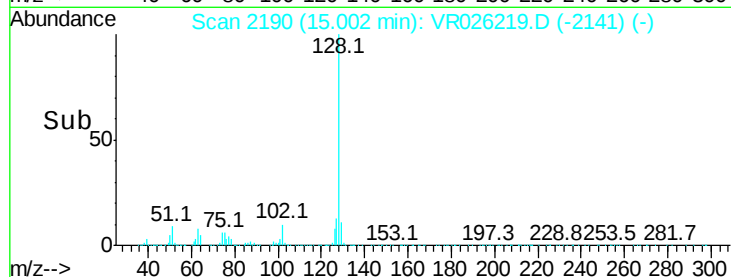
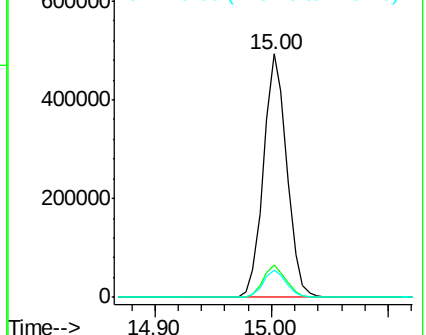
129 11.1 8.4 12.6



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: 19.555 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026219.D

Acq: 9 Nov 2018 13:25

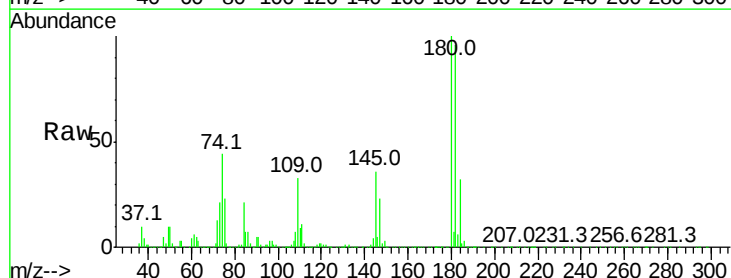
Tgt Ion:180 Resp: 394887

Ion Ratio Lower Upper

180 100

182 95.1 77.4 116.0

145 35.5 29.3 43.9



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

