

Data File : VR026234.D
Acq On : 20 Nov 2018 16:52
Operator : SY/MD
Sample : VSTD01091
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01091

Quant Time: Nov 20 17:23:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	669161	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	574551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	245178	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	502013	10.17	ug/L	0.01
7) Chloroethane-d5	2.63	69	440984	9.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1238243	9.51	ug/L	0.00
20) 2-Butanone-d5	6.59	46	494986	115.30	ug/L	0.00
24) Chloroform-d	7.20	84	992234	11.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	386492	11.10	ug/L	0.00
32) Benzene-d6	7.86	84	1997204	12.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	499128	11.41	ug/L	0.00
41) Toluene-d8	9.97	98	1905848	12.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	143115	13.07	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	381593	119.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	207977	11.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	416484	11.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	450297	10.606 ug/L	99
3) Chloromethane	2.02	50	571529	7.850 ug/L	95
5) Vinyl chloride	2.17	62	575609	8.017 ug/L	90
6) Bromomethane	2.53	94	379150	7.935 ug/L	100
8) Chloroethane	2.66	64	358387	7.900 ug/L	99
9) Trichlorofluoromethane	2.94	101	390871	4.051 ug/L	# 49
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	470440	8.488 ug/L	99
12) 1,1-Dichloroethene	3.63	96	537201	8.214 ug/L	97
13) Acetone	3.70	43	348504	76.806 ug/L	100
14) Carbon disulfide	3.94	76	1443640	8.110 ug/L	97
15) Methyl Acetate	4.20	43	94863	8.040 ug/L	100
16) Methylene chloride	4.41	84	457575	8.300 ug/L	99
17) Methyl tert-butyl Ether	4.90	73	620066	11.208 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	511579	10.140 ug/L	99
19) 1,1-Dichloroethane	5.69	63	913852	9.890 ug/L	99
21) 2-Butanone	6.69	43	526535	100.472 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	488354	10.944 ug/L	# 98
23) Bromochloromethane	7.06	128	136453	10.015 ug/L	96
25) Chloroform	7.23	83	895634	9.929 ug/L	99
27) 1,2-Dichloroethane	7.99	62	403642	9.640 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	783670	10.189 ug/L	99
30) Cyclohexane	7.52	56	768847	11.411 ug/L	99
31) Carbon tetrachloride	7.64	117	707098	10.356 ug/L	97
33) Benzene	7.91	78	2077733	10.019 ug/L	100
34) Trichloroethene	8.71	95	540394	10.229 ug/L	96
35) Methylcyclohexane	8.96	83	775470	11.287 ug/L	99
37) 1,2-Dichloropropane	9.00	63	416906	9.584 ug/L	98
38) Bromodichloromethane	9.28	83	490373	10.104 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	545354	11.091 ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	1323949	107.719 ug/L	98

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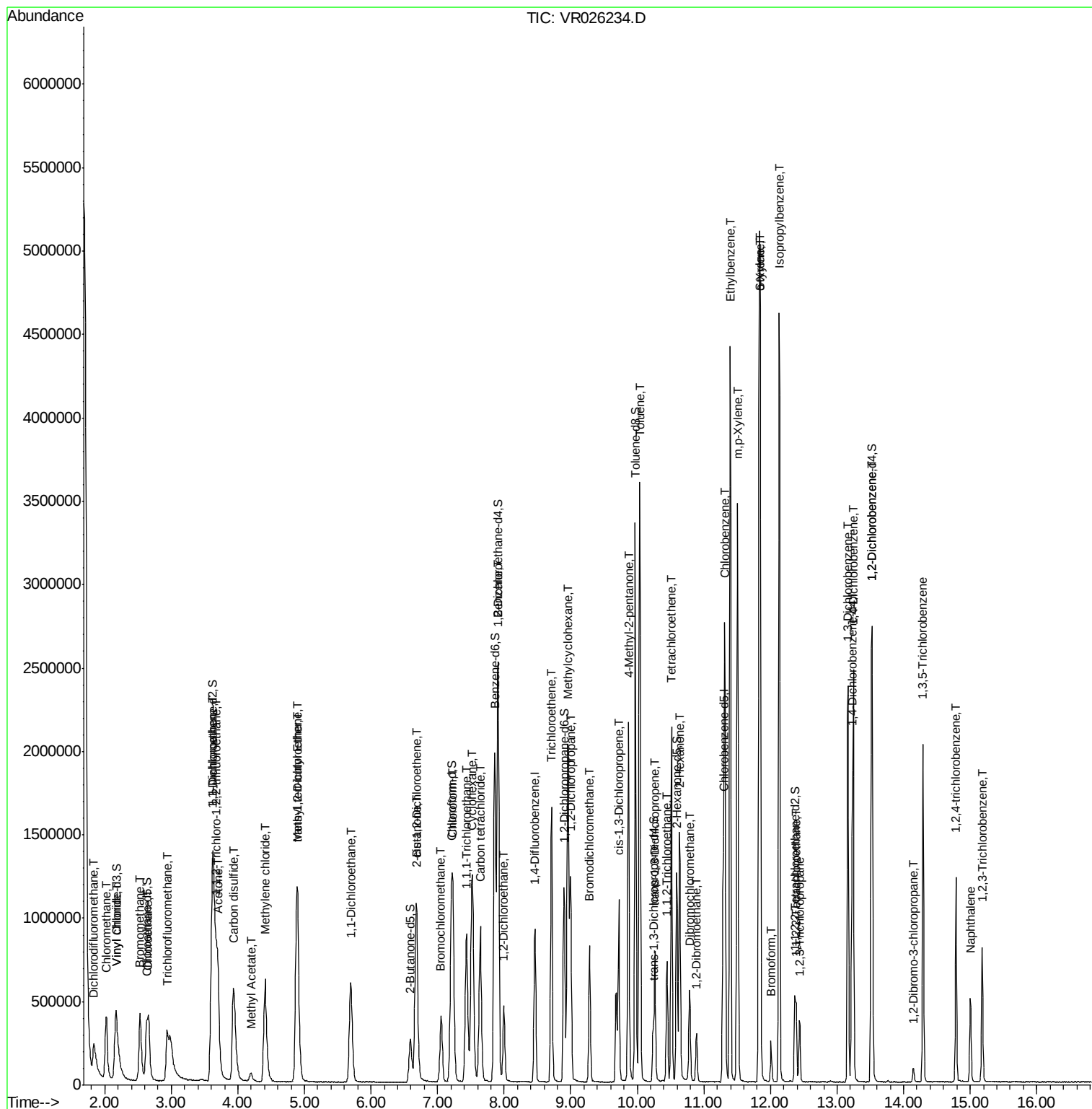
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2264941	10.484	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	372182	11.347	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	187383	9.980	ug/L	95
47) Tetrachloroethene	10.51	164	392488	10.875	ug/L	95
48) 2-Hexanone	10.63	43	882462	106.469	ug/L	99
49) Dibromochloromethane	10.79	129	232089	10.437	ug/L	93
50) 1,2-Dibromoethane	10.89	107	164238	10.318	ug/L	97
51) Chlorobenzene	11.32	112	1204320	10.034	ug/L	98
52) Ethylbenzene	11.39	91	2579217	10.525	ug/L	98
53) m,p-Xylene	11.50	106	965515	10.855	ug/L	98
54) o-Xylene	11.83	106	914867	11.271	ug/L	92
55) Styrene	11.84	104	1402345	11.114	ug/L	98
56) Isopropylbenzene	12.13	105	2492683	11.371	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	178880	9.863	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	133755	9.794	ug/L	97
61) Bromoform	12.01	173	92515	9.545	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	787210	10.609	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	785303	9.623	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	628350	10.091	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	18972	8.213	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.30	180	494998	10.709	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	299527	11.609	ug/L	99
69) Naphthalene	15.00	128	334841	12.300	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	208500	11.546	ug/L	98

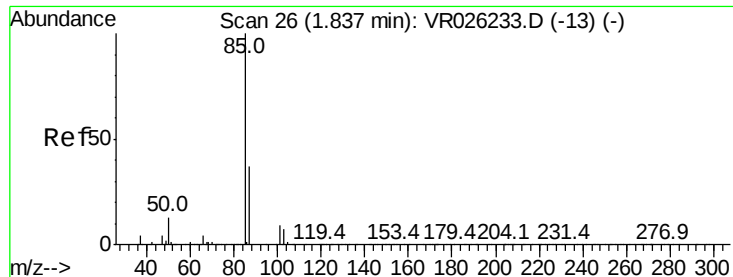
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.606 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

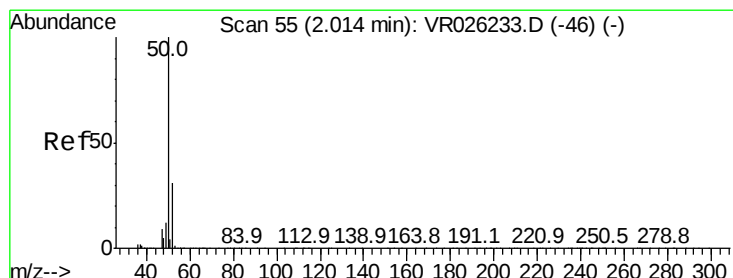
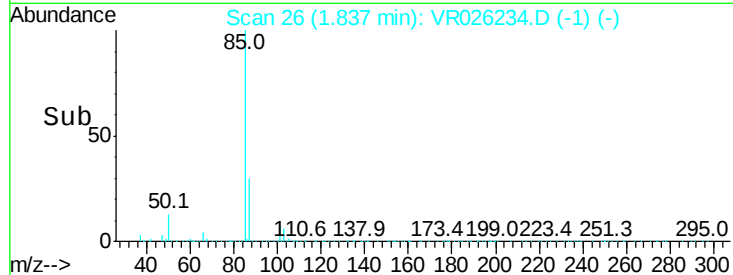
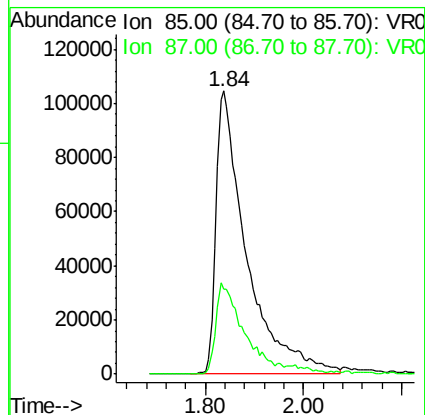
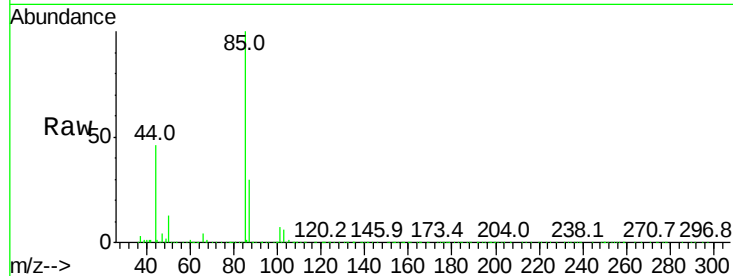
VSTD01091

Tgt Ion: 85 Resp: 450297

Ion Ratio Lower Upper

85 100

87 29.8 23.2 34.8



#3

Chloromethane

Concen: 7.850 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026234.D

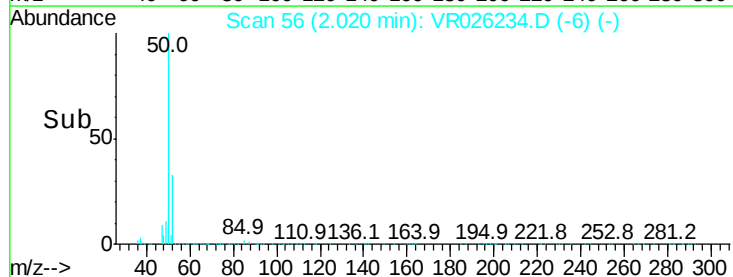
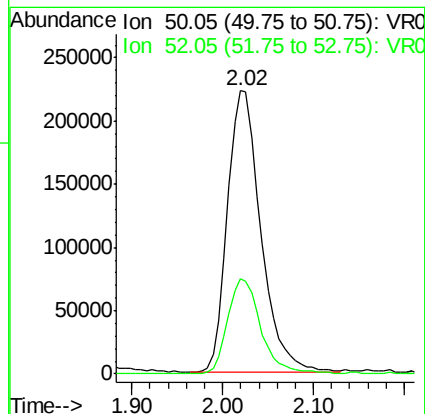
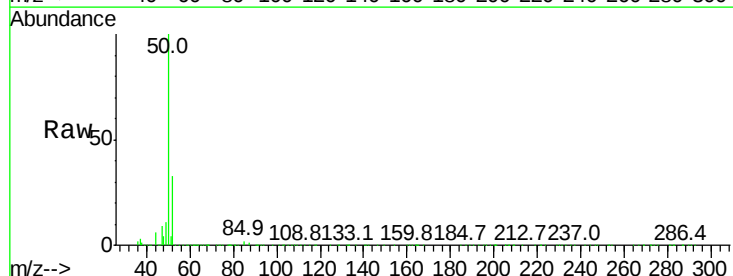
Acq: 20 Nov 2018 16:52

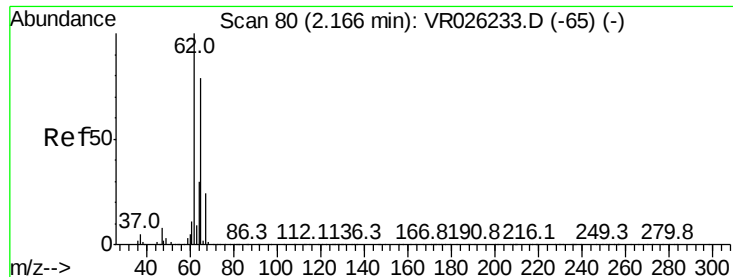
Tgt Ion: 50 Resp: 571529

Ion Ratio Lower Upper

50 100

52 33.5 21.4 39.8





#5

Vinyl chloride

Concen: 8.017 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

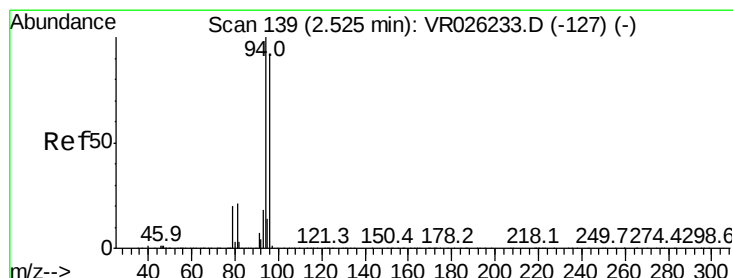
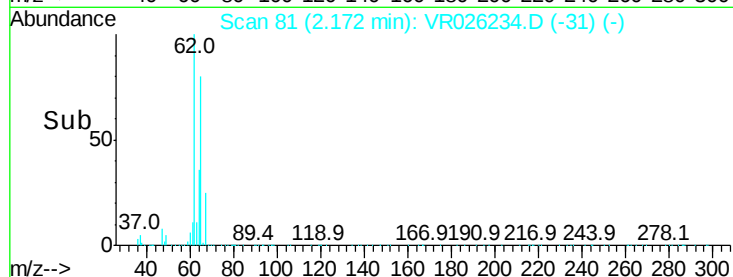
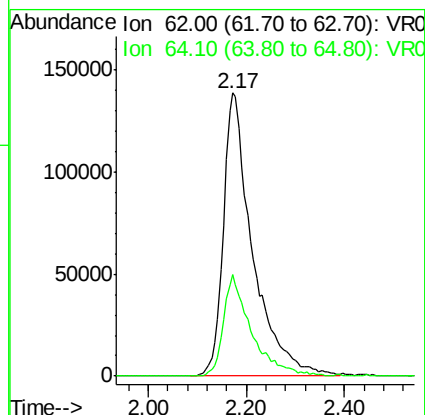
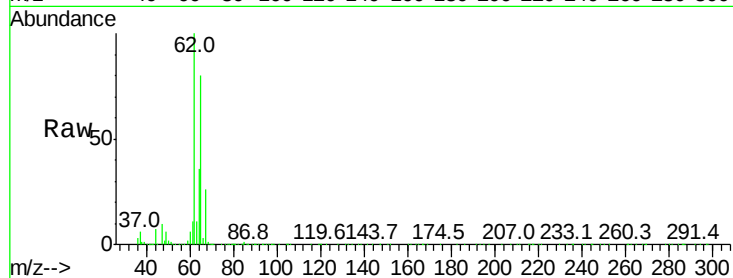
VSTD01091

Tgt Ion: 62 Resp: 575609

Ion Ratio Lower Upper

62 100

64 35.7 21.3 39.5



#6

Bromomethane

Concen: 7.935 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026234.D

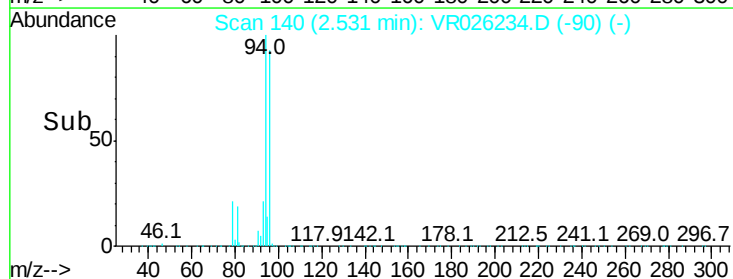
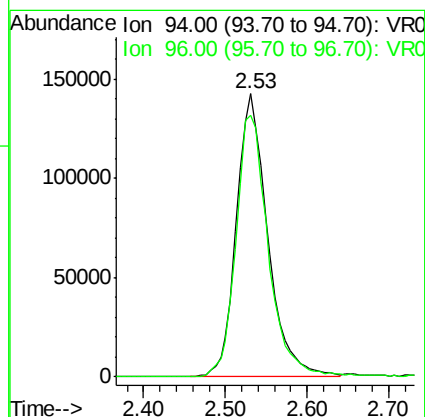
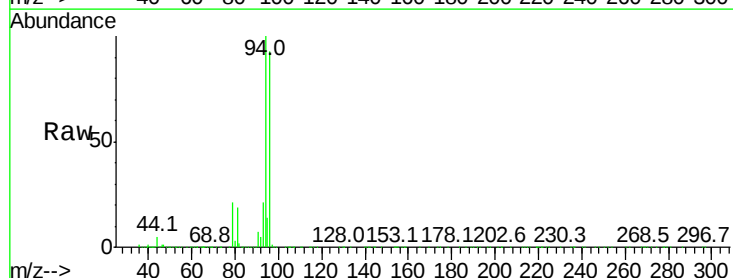
Acq: 20 Nov 2018 16:52

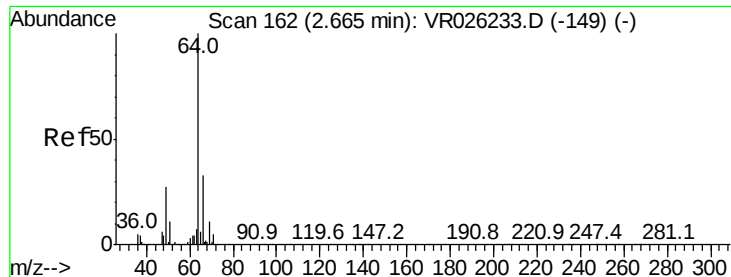
Tgt Ion: 94 Resp: 379150

Ion Ratio Lower Upper

94 100

96 92.5 64.6 120.0





#8

Chloroethane

Concen: 7.900 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

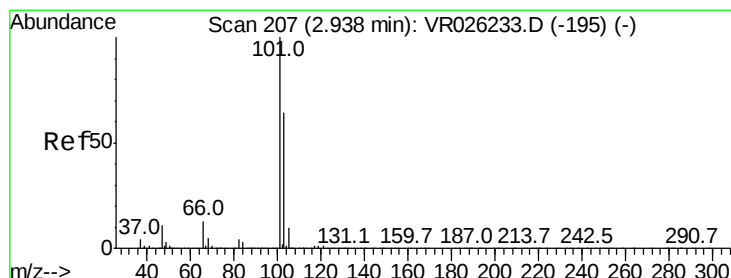
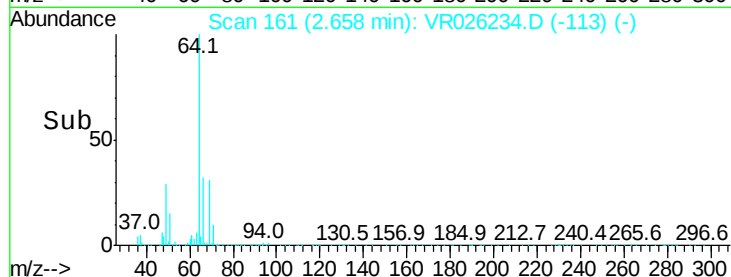
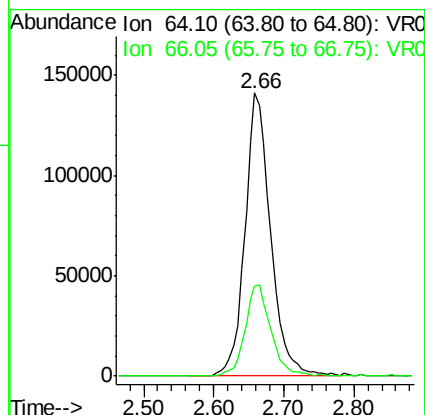
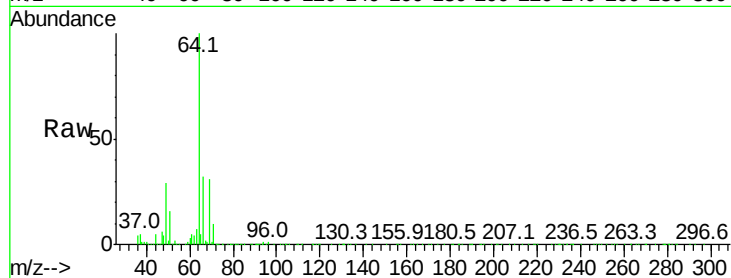
VSTD01091

Tgt Ion: 64 Resp: 358387

Ion Ratio Lower Upper

64 100

66 32.0 22.7 42.3



#9

Trichlorofluoromethane

Concen: 4.051 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026234.D

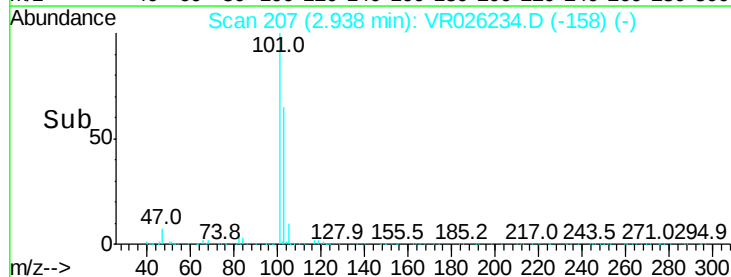
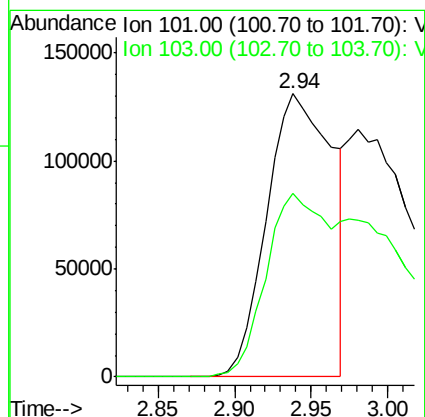
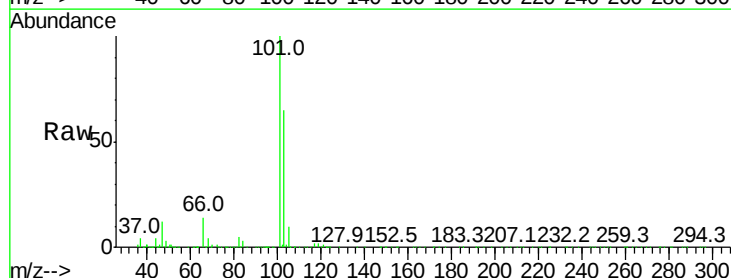
Acq: 20 Nov 2018 16:52

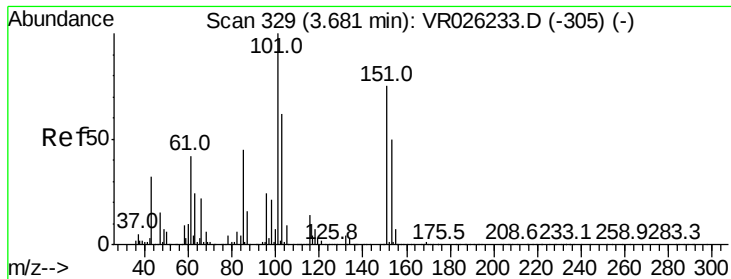
Tgt Ion: 101 Resp: 390871

Ion Ratio Lower Upper

101 100

103 59.0 24.6 37.0#





#10

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

Concen: 8.488 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampled :

VSTD01091

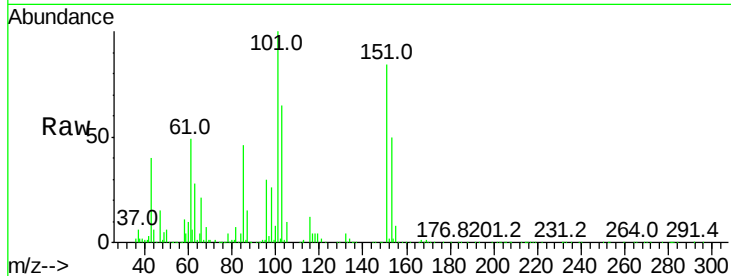
Tgt Ion:101 Resp: 470440

Ion Ratio Lower Upper

101 100

85 47.0 37.4 56.0

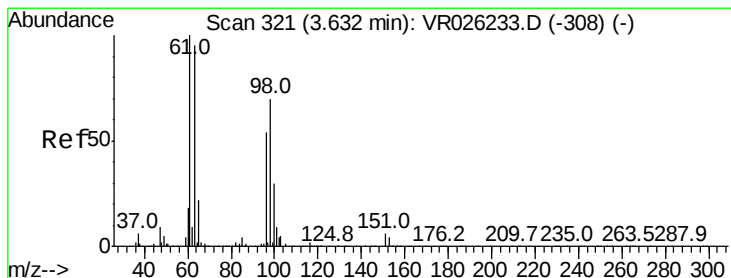
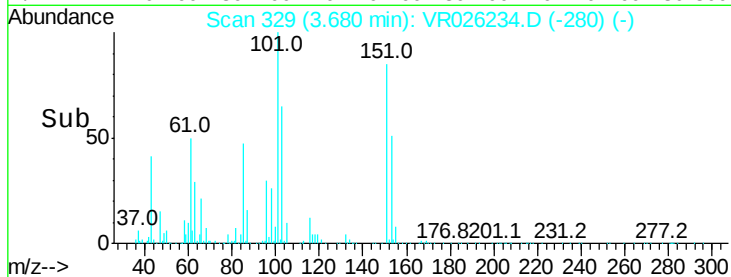
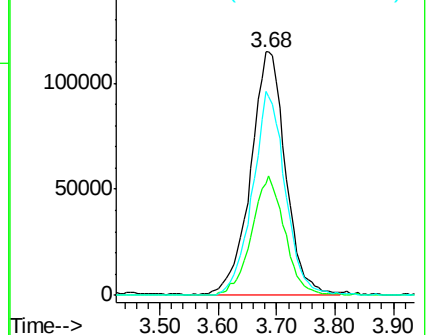
151 80.1 63.3 94.9



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: 8.214 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

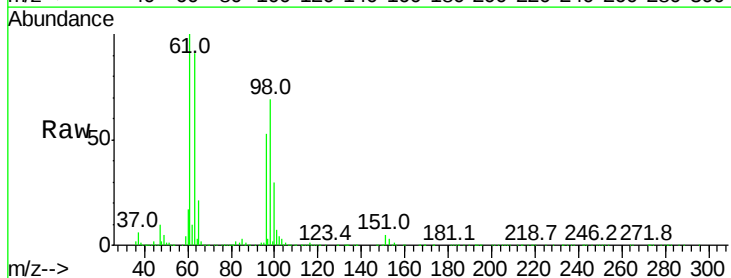
Tgt Ion: 96 Resp: 537201

Ion Ratio Lower Upper

96 100

61 187.9 128.7 239.1

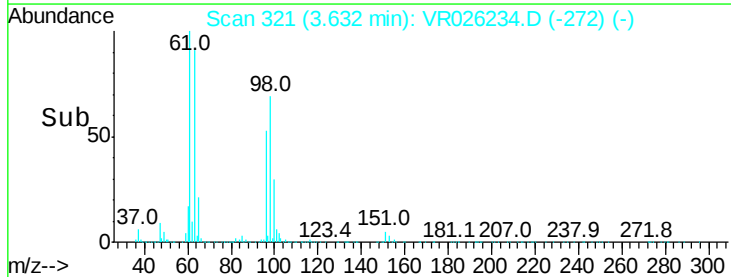
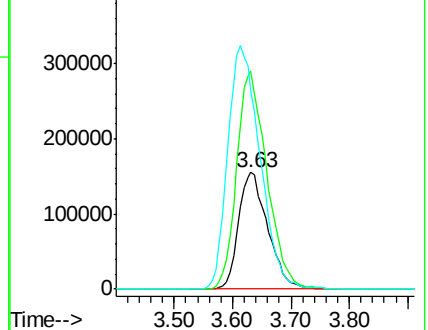
63 170.5 122.6 227.6

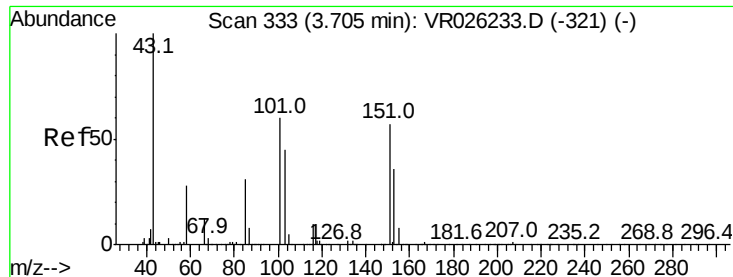


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 76.806 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

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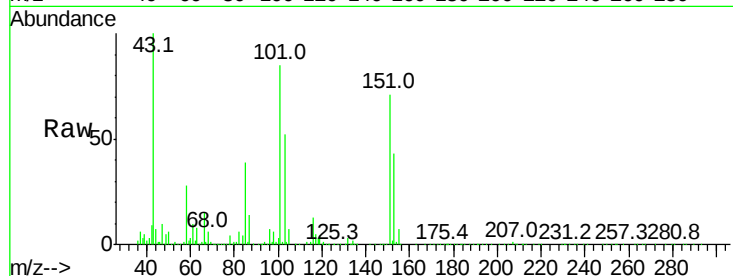
VSTD01091

Tgt Ion: 43 Resp: 348504

Ion Ratio Lower Upper

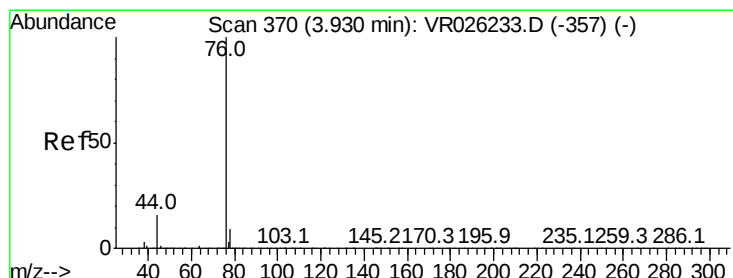
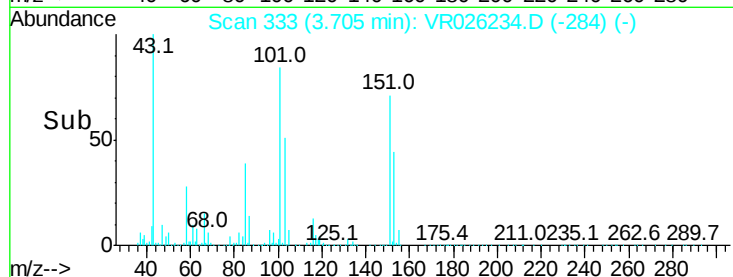
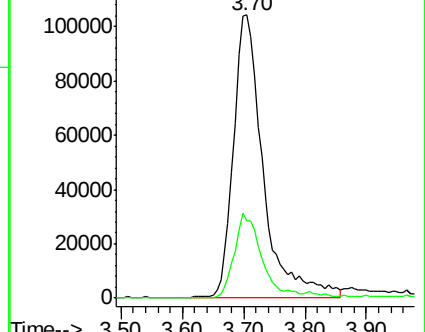
43 100

58 27.5 0.0 55.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 8.110 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026234.D

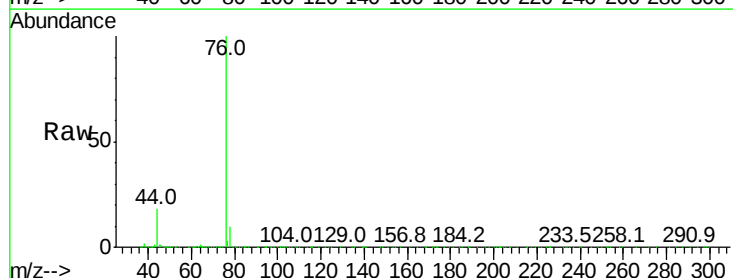
Acq: 20 Nov 2018 16:52

Tgt Ion: 76 Resp: 1443640

Ion Ratio Lower Upper

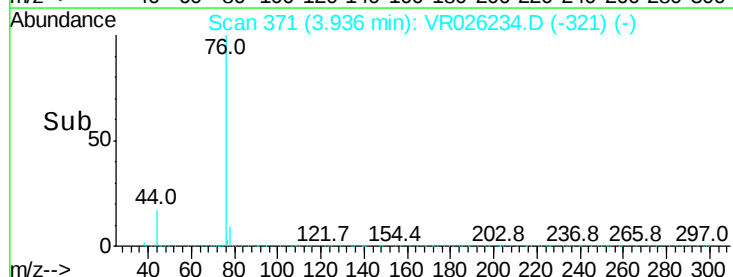
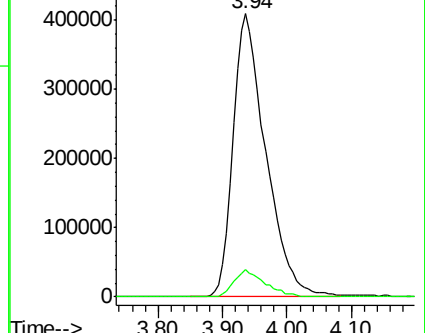
76 100

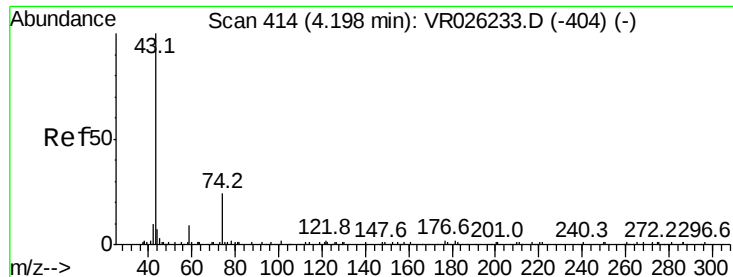
78 9.7 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 8.040 ug/L

RT: 4.20 min Scan# 414

Delta R.T. -0.00 min

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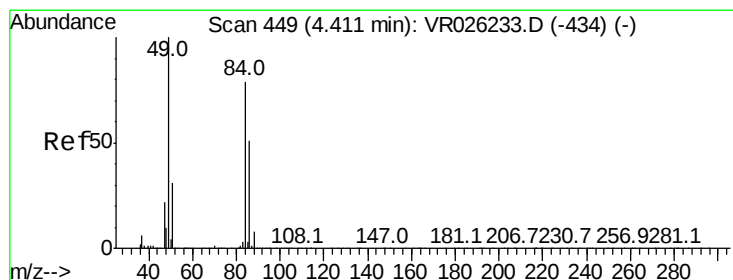
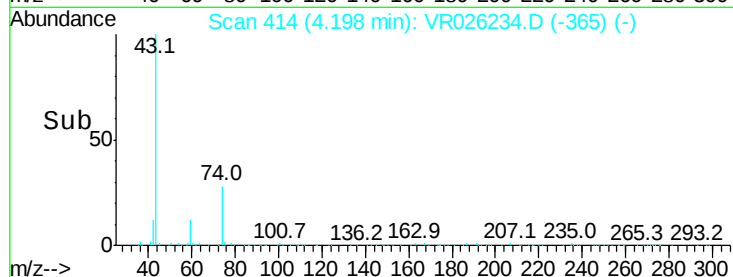
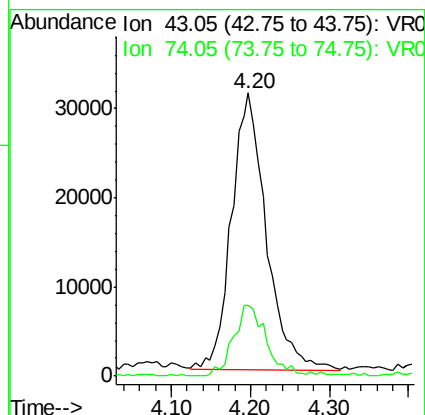
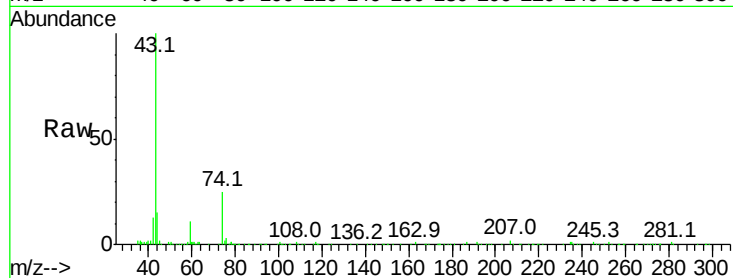
VSTD01091

Tgt Ion: 43 Resp: 94863

Ion Ratio Lower Upper

43 100

74 24.3 19.4 29.0



#16

Methylene chloride

Concen: 8.300 ug/L

RT: 4.41 min Scan# 449

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

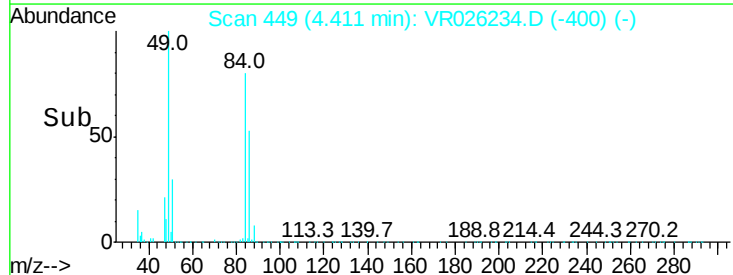
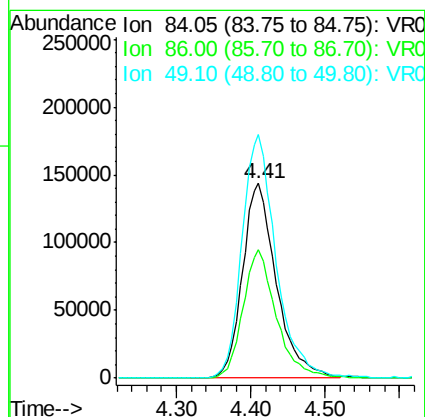
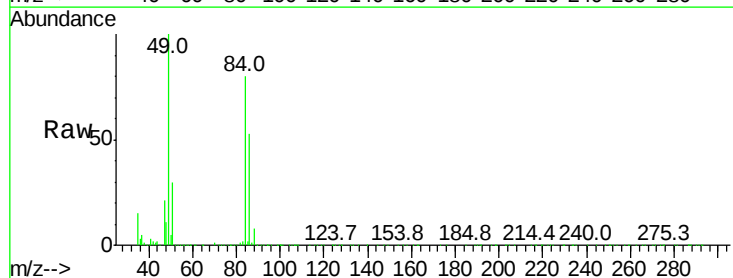
Tgt Ion: 84 Resp: 457575

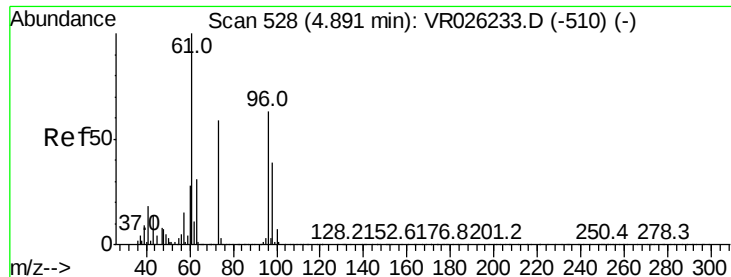
Ion Ratio Lower Upper

84 100

86 65.9 45.2 84.0

49 125.2 88.3 164.1



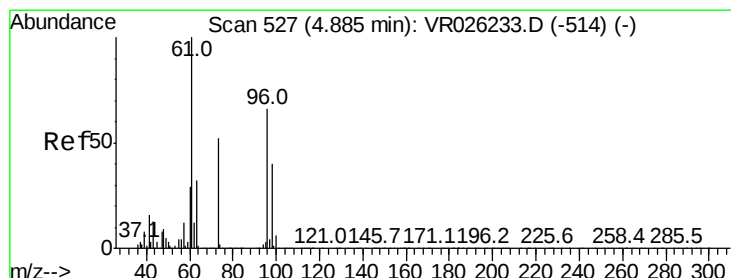
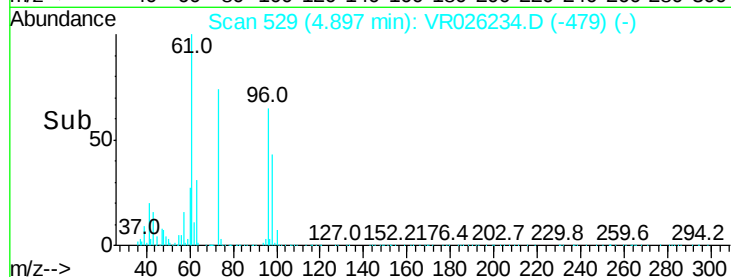
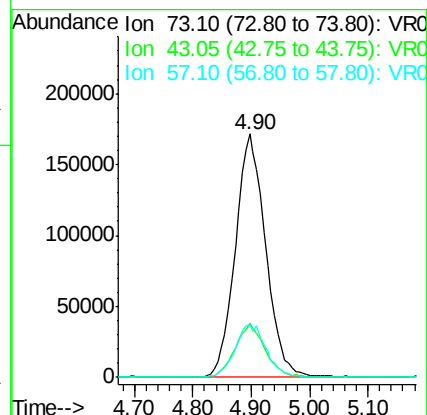
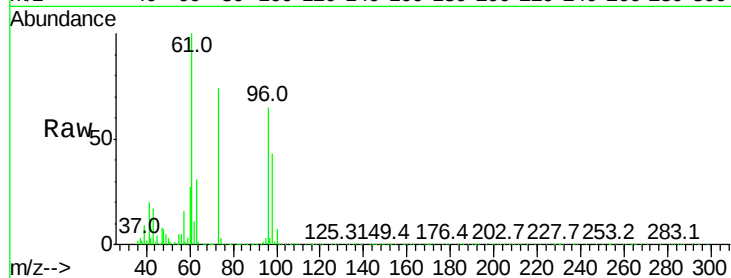


#17

Methyl tert-butyl Ether
 Concen: 11.208 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01091

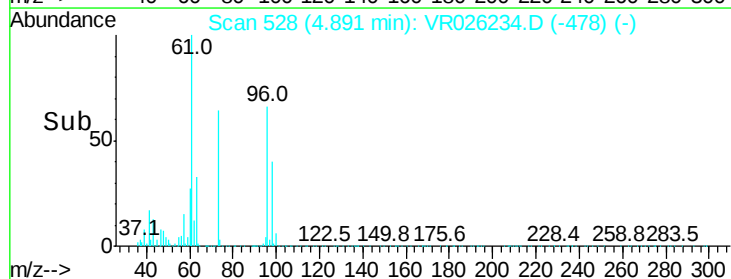
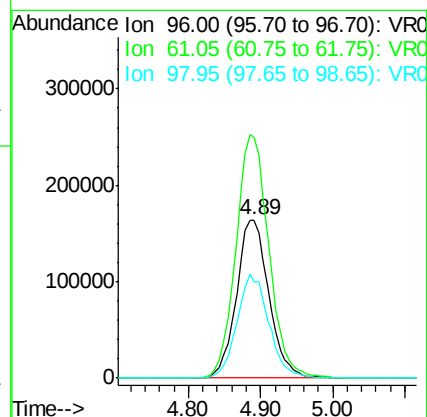
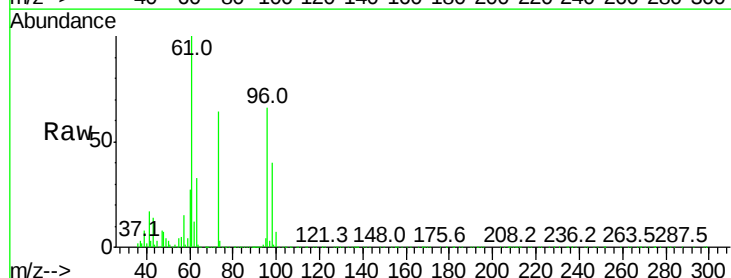
Tgt Ion: 73 Resp: 620066
 Ion Ratio Lower Upper
 73 100
 43 21.5 19.0 28.4
 57 22.4 17.9 26.9

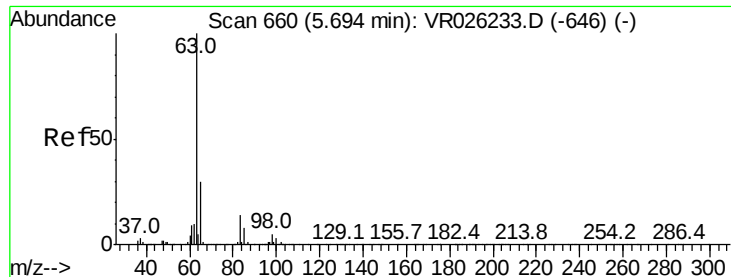


#18

trans-1,2-Dichloroethene
 Concen: 10.140 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 96 Resp: 511579
 Ion Ratio Lower Upper
 96 100
 61 152.4 105.4 195.8
 98 61.3 42.1 78.1

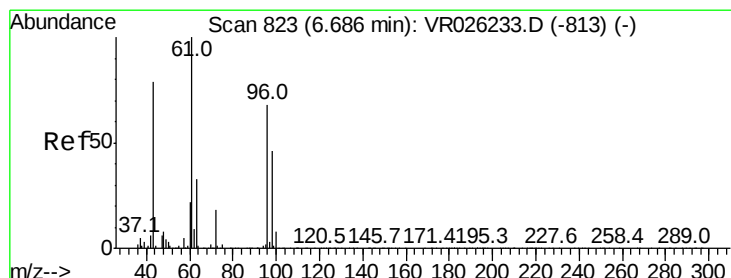
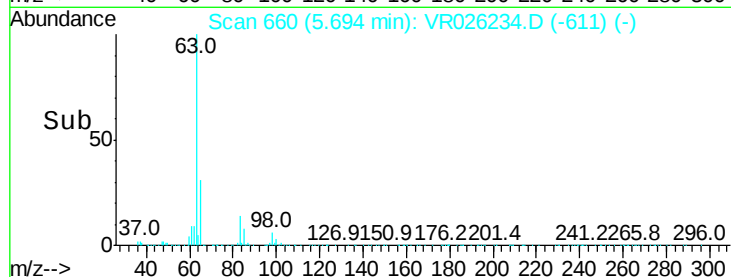
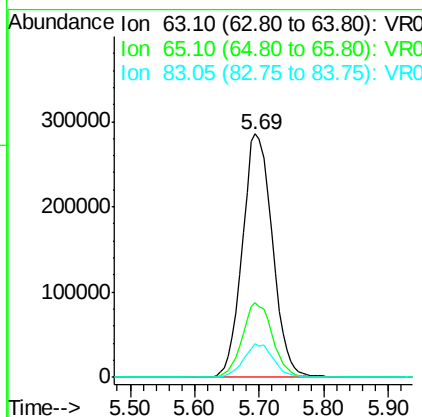
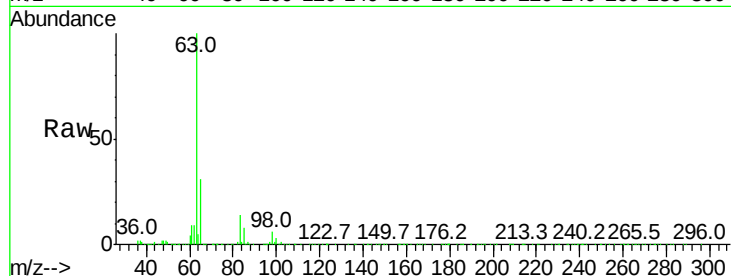




#19
 1,1-Dichloroethane
 Concen: 9.890 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

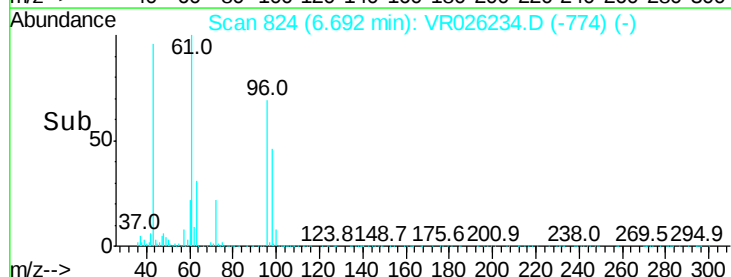
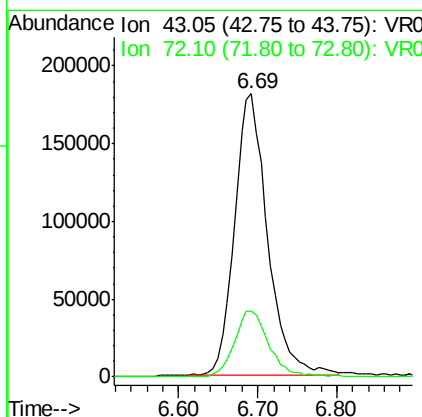
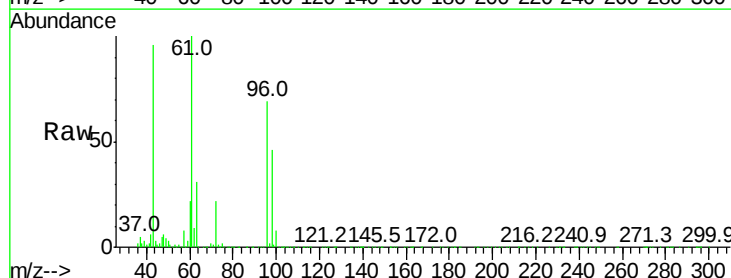
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01091

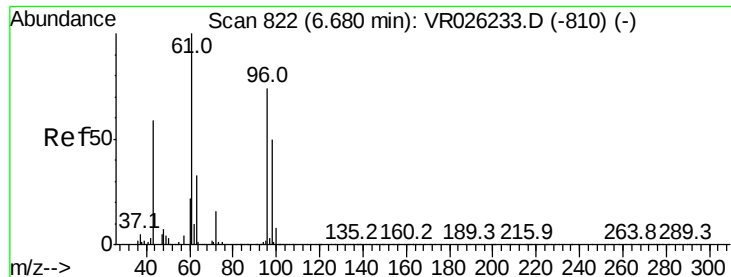
Tgt Ion: 63 Resp: 913852
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.1 39.3
 83 13.9 9.9 18.5



#21
 2-Butanone
 Concen: 100.472 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 43 Resp: 526535
 Ion Ratio Lower Upper
 43 100
 72 24.4 11.8 35.4



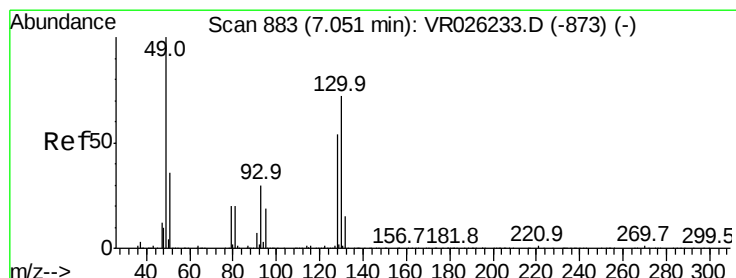
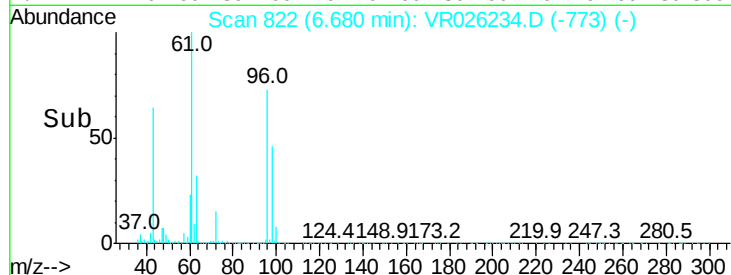
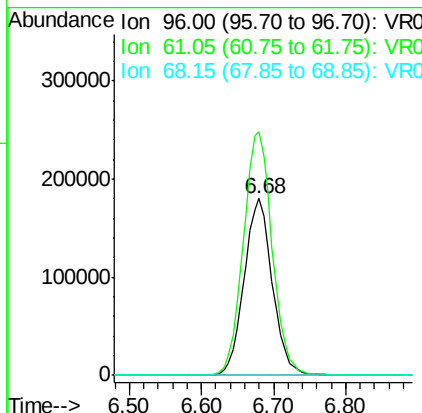
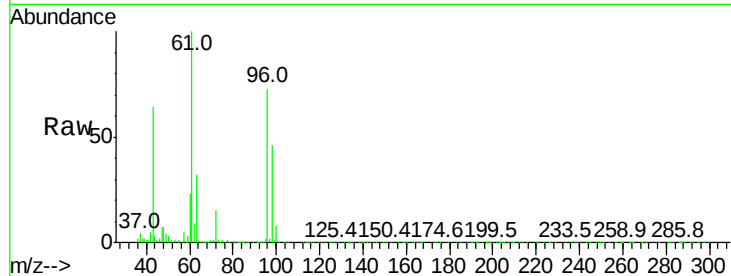


#22

cis-1,2-Dichloroethene
 Concen: 10.944 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01091

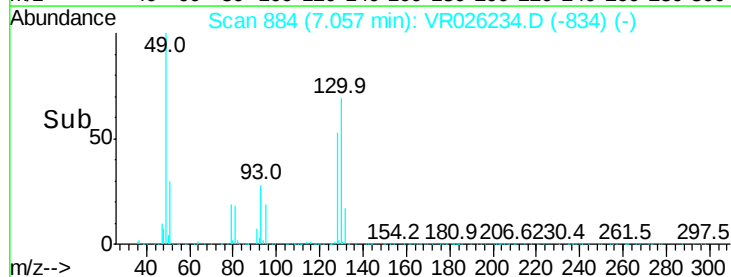
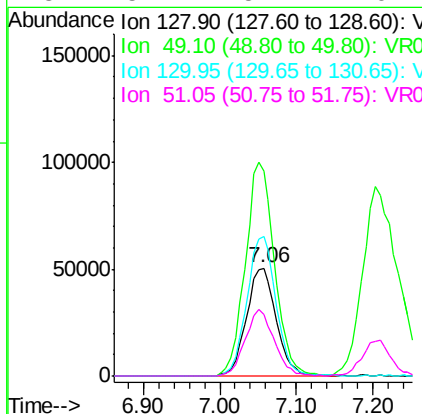
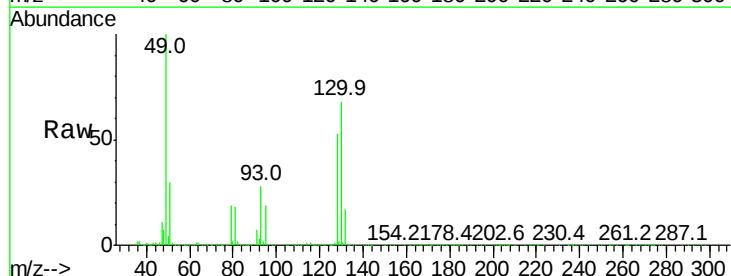
Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	94.8	176.2
68	0.0	0.0	0.0#

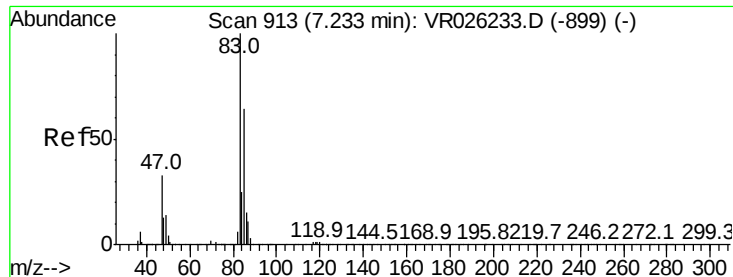


#23

Bromochloromethane
 Concen: 10.015 ug/L
 RT: 7.06 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion	Ratio	Lower	Upper
128	100		
49	190.0	129.6	240.6
130	129.8	93.1	172.9
51	57.4	52.7	79.1





#25

Chloroform

Concen: 9.929 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

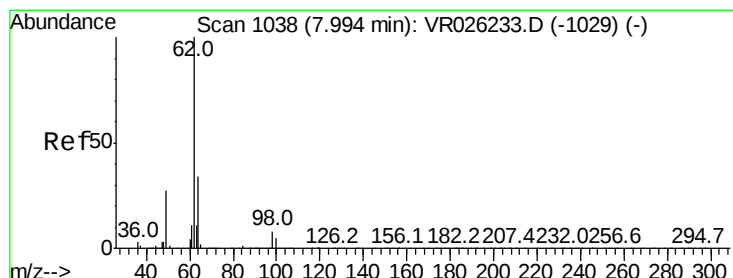
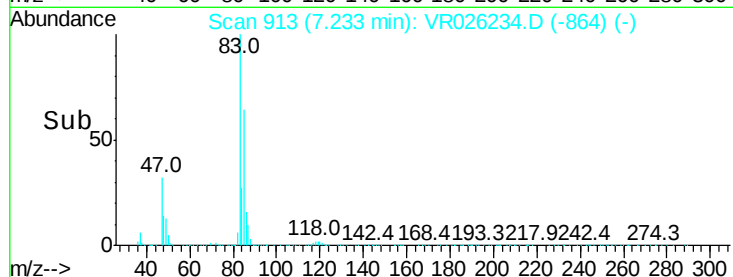
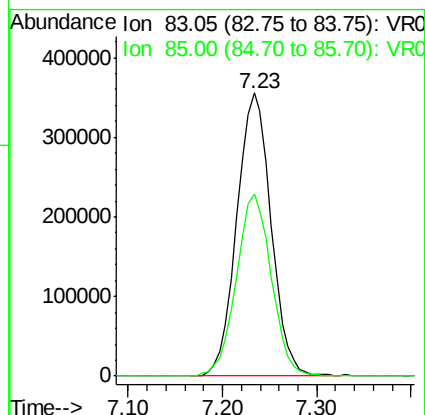
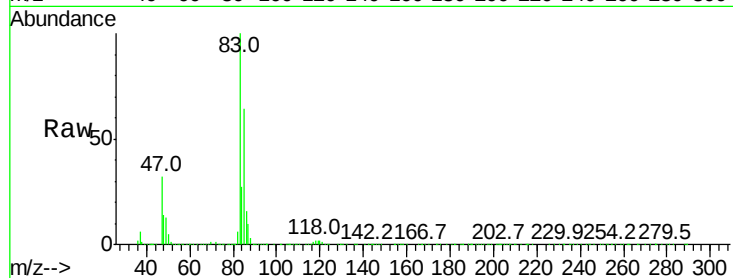
VSTD01091

Tgt Ion: 83 Resp: 895634

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 9.640 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026234.D

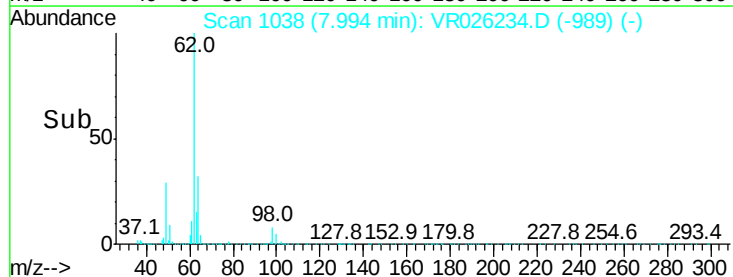
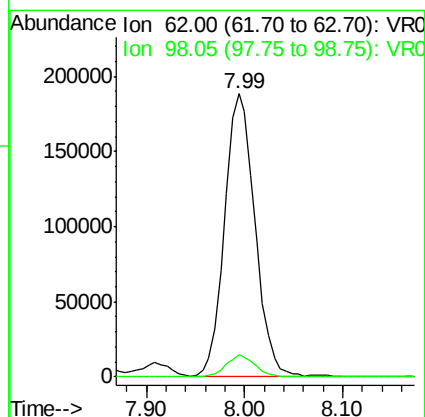
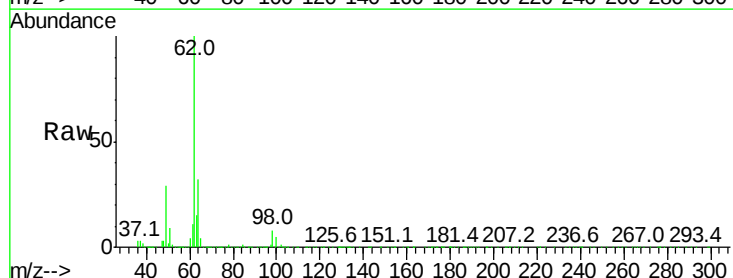
Acq: 20 Nov 2018 16:52

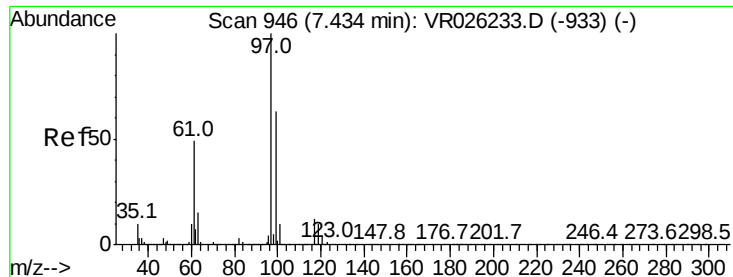
Tgt Ion: 62 Resp: 403642

Ion Ratio Lower Upper

62 100

98 7.9 6.1 9.1

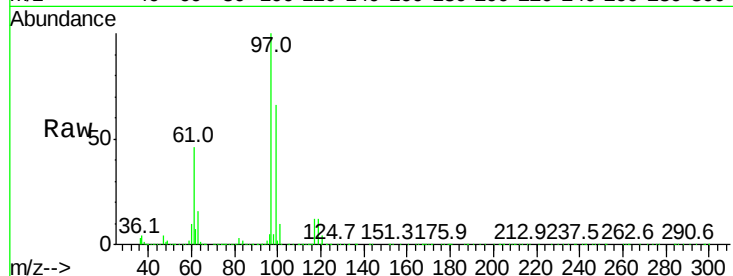




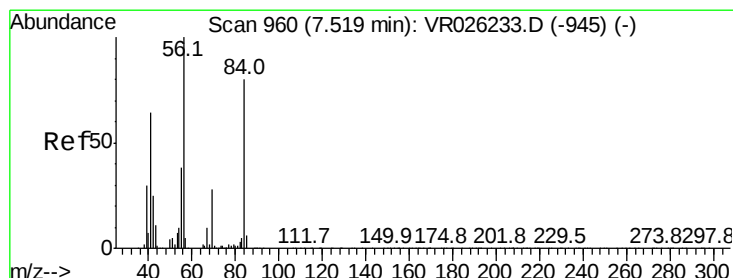
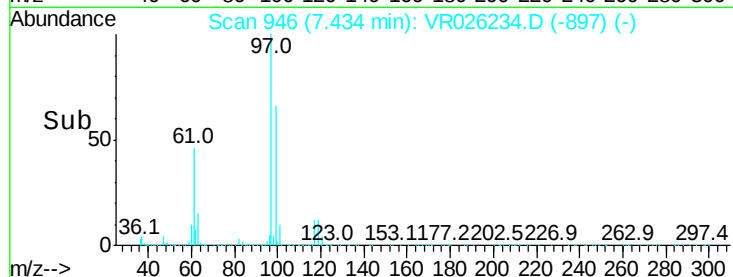
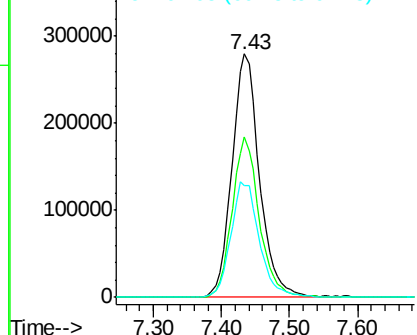
#29
1,1,1-Trichloroethane
Concen: 10.189 ug/L
RT: 7.43 min Scan# 946
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD01091

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.9	77.9
61	49.1	39.9	59.9

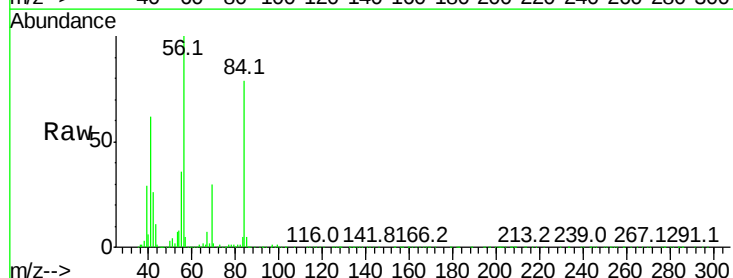


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

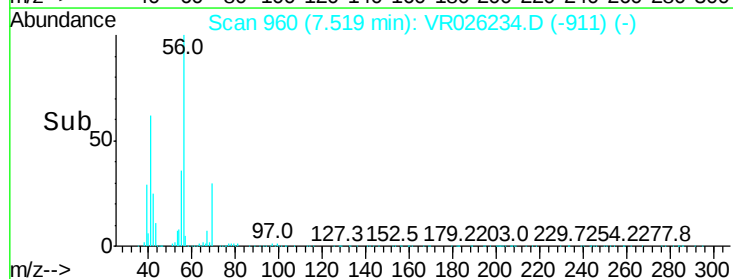
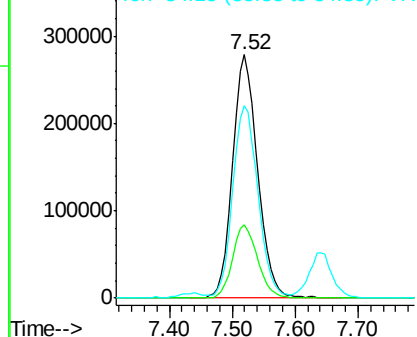


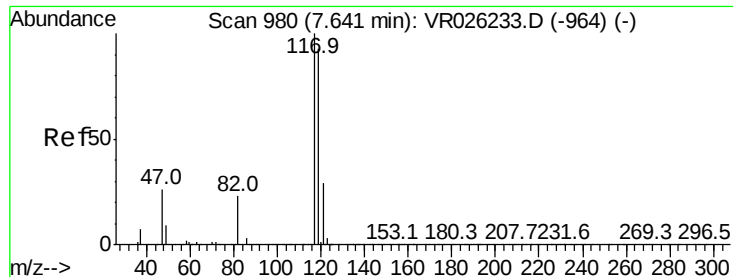
#30
Cyclohexane
Concen: 11.411 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.6	35.4
84	79.7	64.9	97.3



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



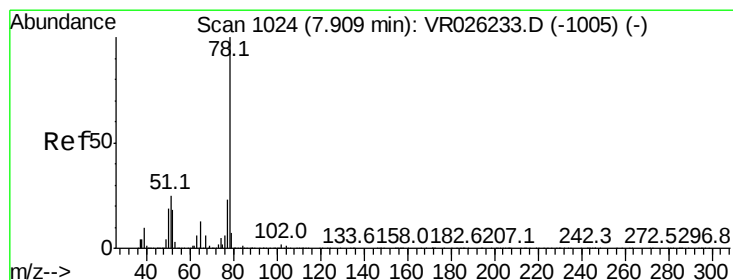
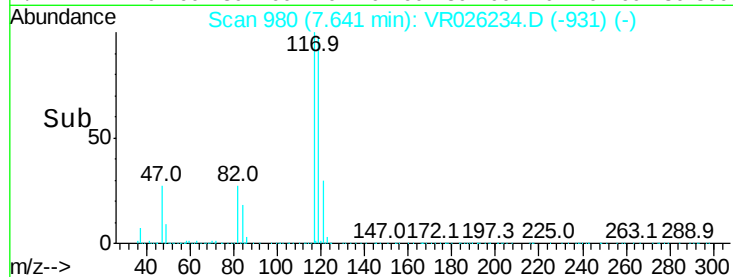
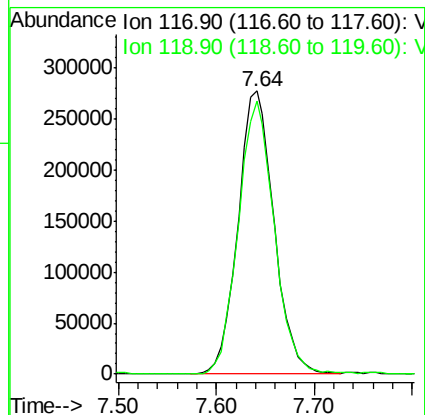
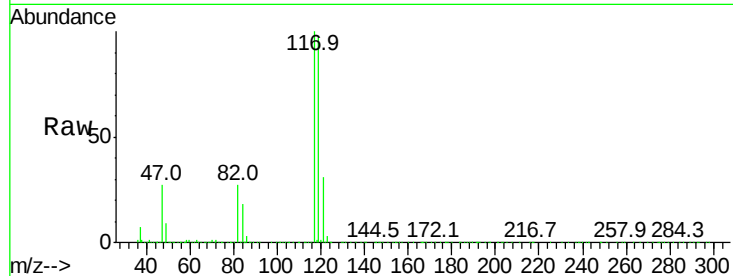


#31

Carbon tetrachloride
Concen: 10.356 ug/L
RT: 7.64 min Scan# 980
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD01091

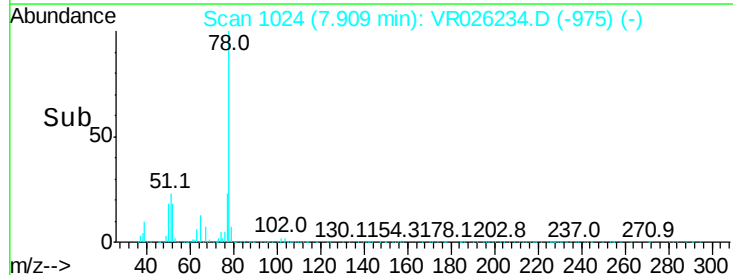
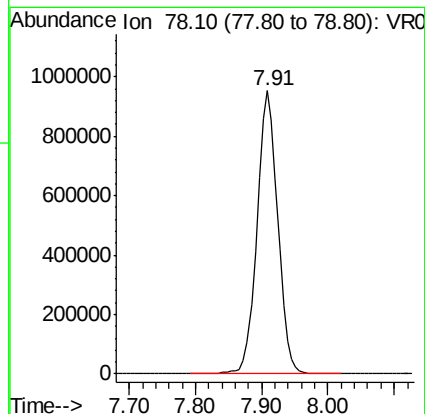
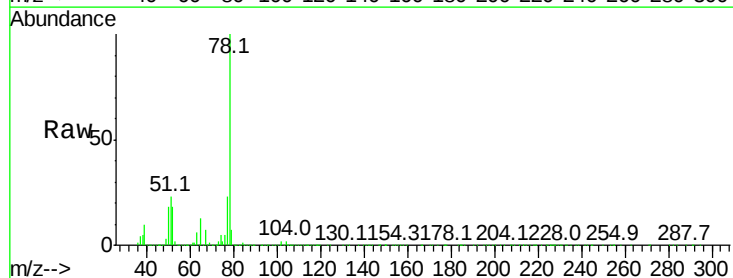
Tgt Ion:117 Resp: 707098
Ion Ratio Lower Upper
117 100
119 96.0 74.7 112.1

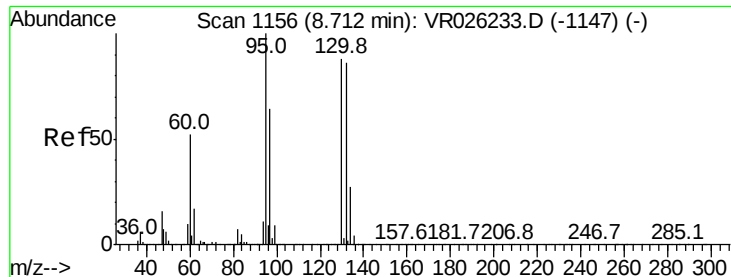


#33

Benzene
Concen: 10.019 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Tgt Ion: 78 Resp: 2077733





#34

Trichloroethene

Concen: 10.229 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01091

Tgt Ion: 95 Resp: 540394

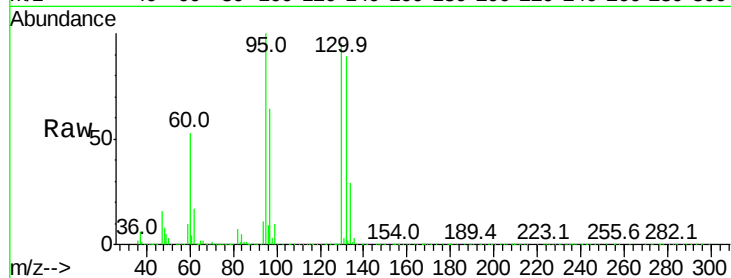
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.7

132 88.8 59.8 111.0

130 94.7 61.4 114.0

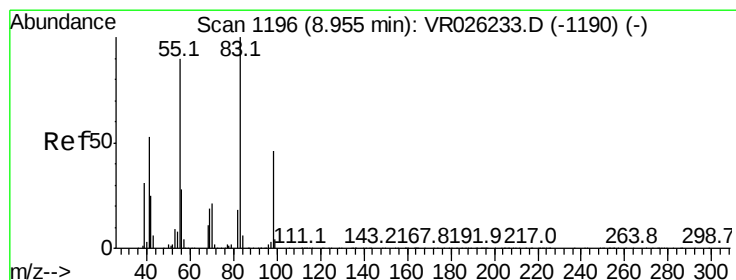
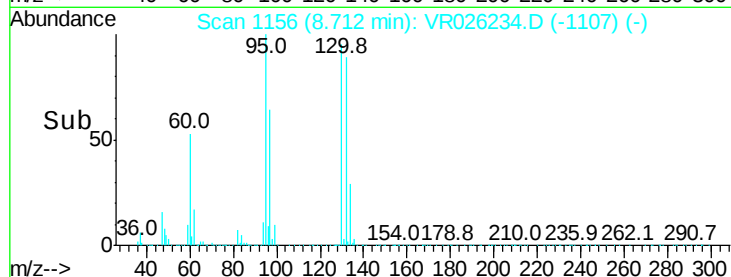
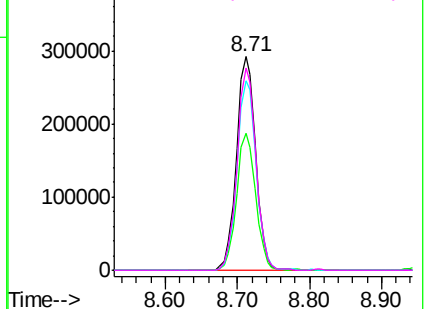


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.287 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

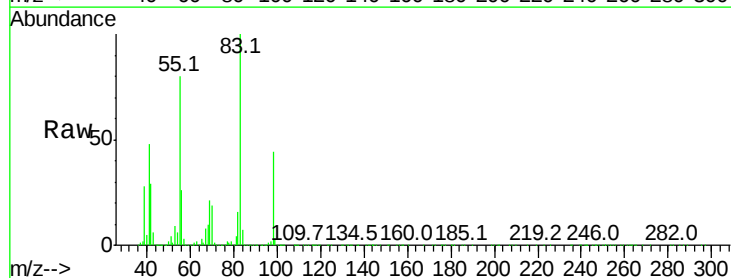
Tgt Ion: 83 Resp: 775470

Ion Ratio Lower Upper

83 100

55 82.5 66.6 100.0

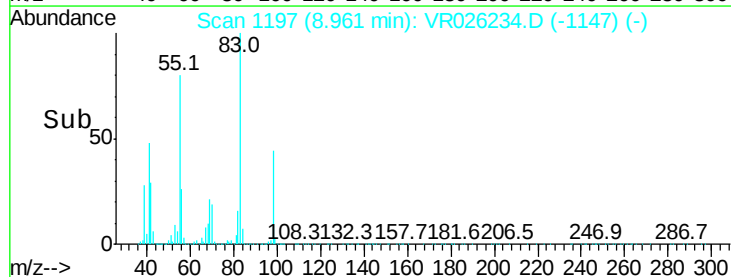
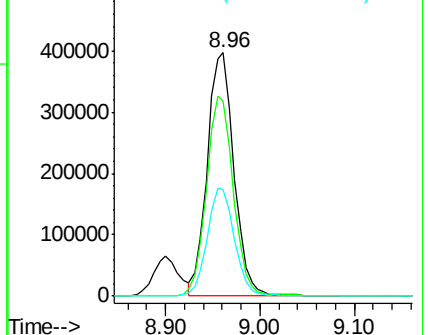
98 44.8 35.5 53.3

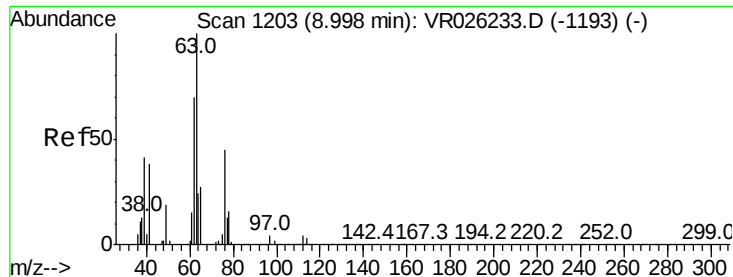


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 9.584 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

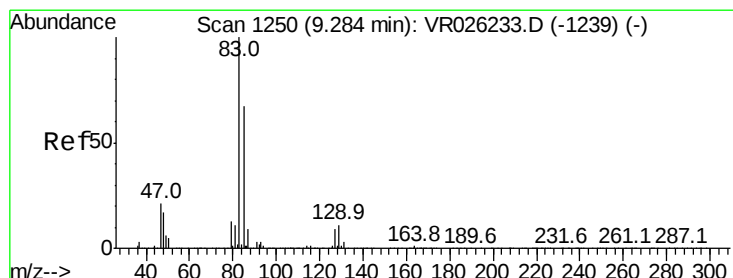
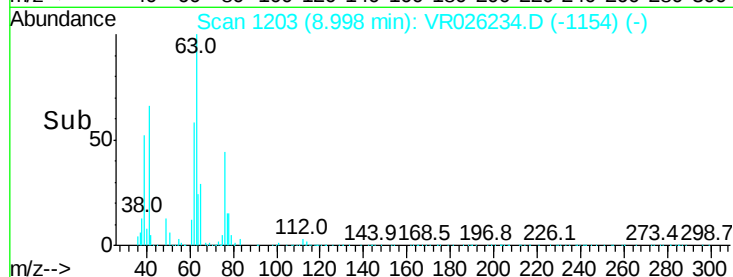
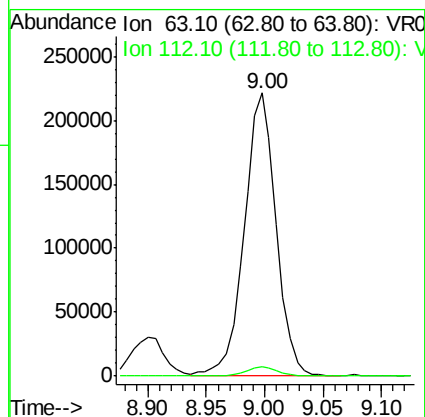
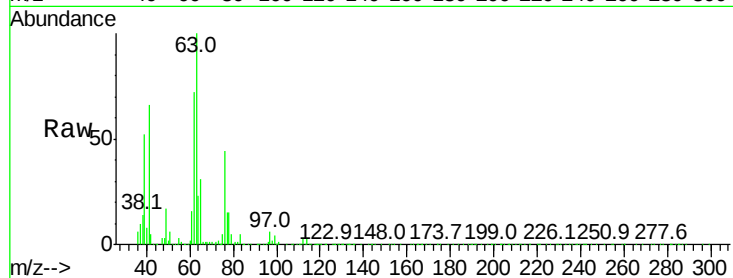
VSTD01091

Tgt Ion: 63 Resp: 416906

Ion Ratio Lower Upper

63 100

112 3.5 3.4 5.0



#38

Bromodichloromethane

Concen: 10.104 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

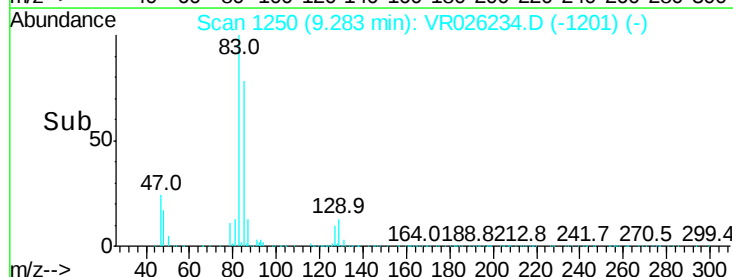
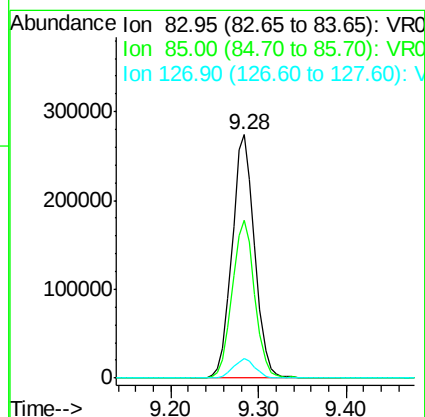
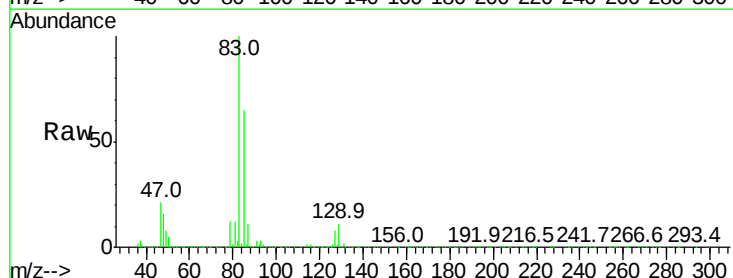
Tgt Ion: 83 Resp: 490373

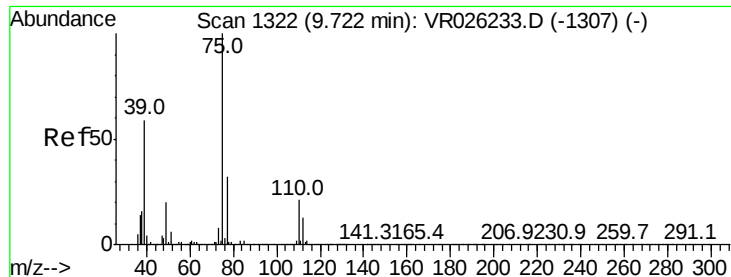
Ion Ratio Lower Upper

83 100

85 64.7 46.8 86.8

127 8.1 7.0 10.6

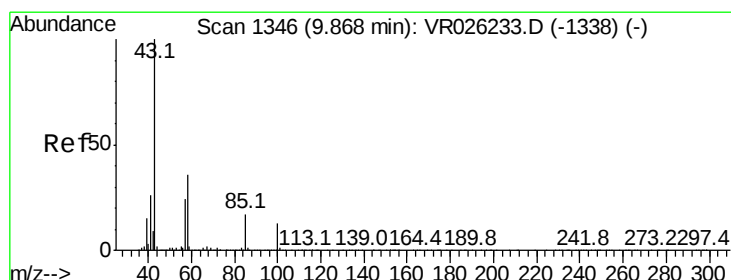
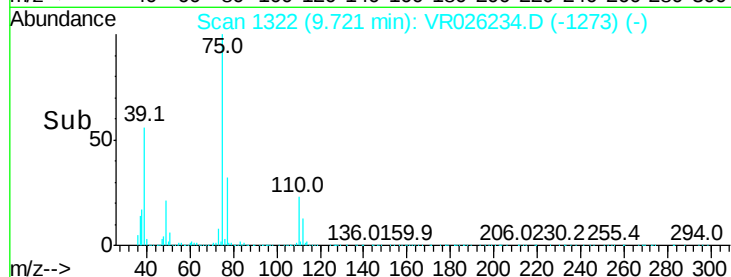
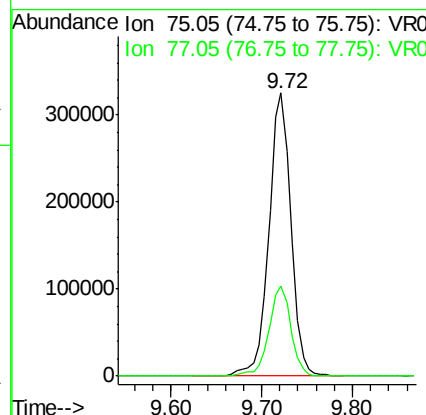
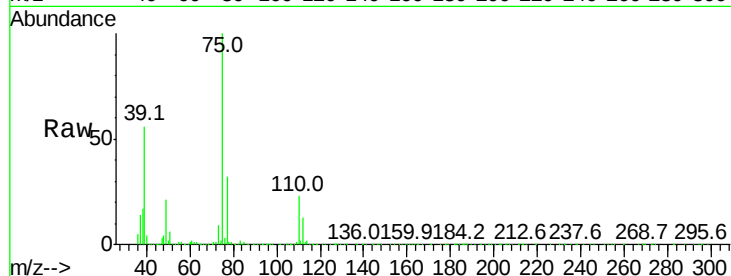




#39
 cis-1,3-Dichloropropene
 Concen: 11.091 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

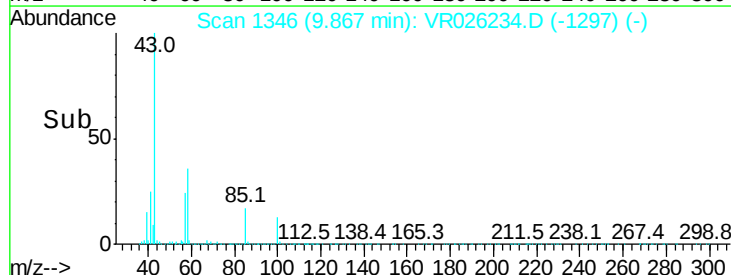
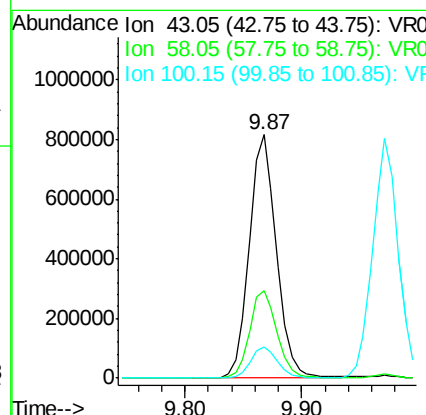
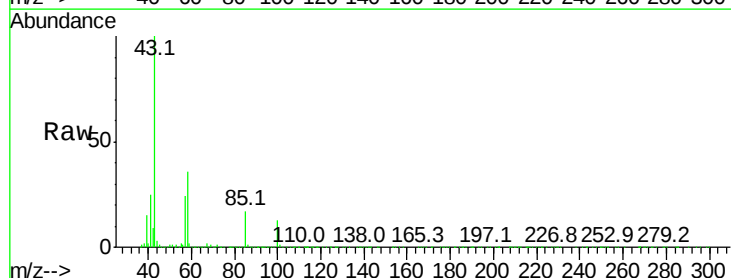
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01091

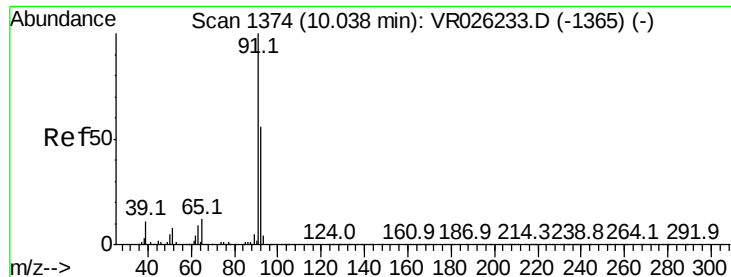
Tgt Ion: 75 Resp: 545354
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 107.719 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 43 Resp: 1323949
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.0 42.0
 100 12.7 10.0 15.0





#42

Toluene

Concen: 10.484 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

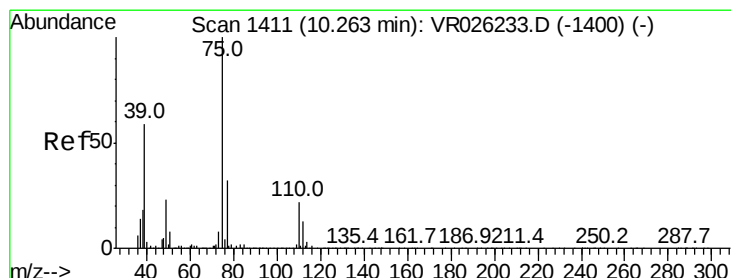
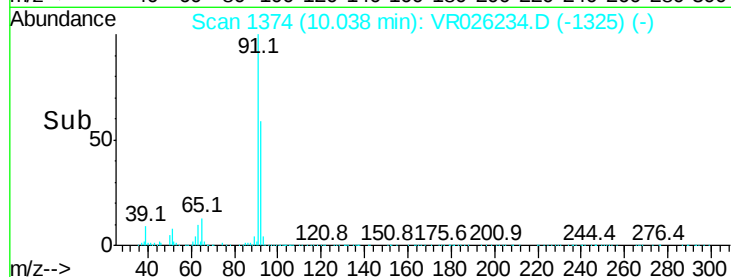
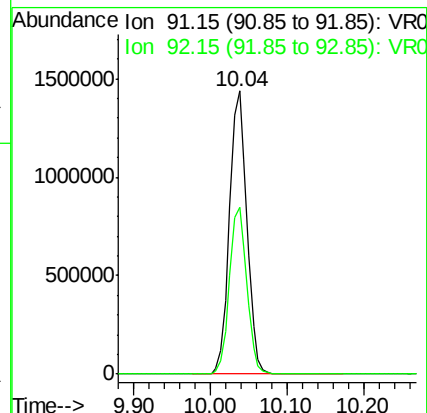
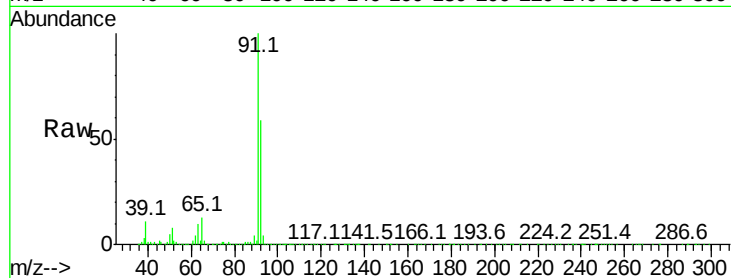
VSTD01091

Tgt Ion: 91 Resp: 2264941

Ion Ratio Lower Upper

91 100

92 59.0 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 11.347 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026234.D

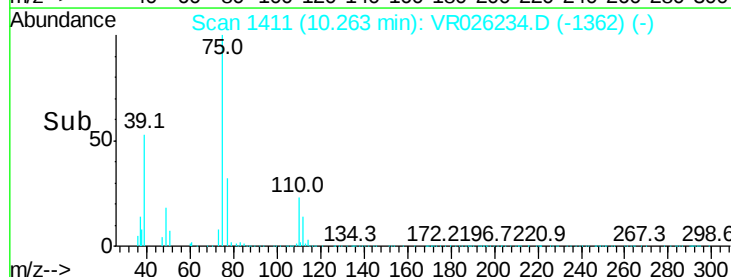
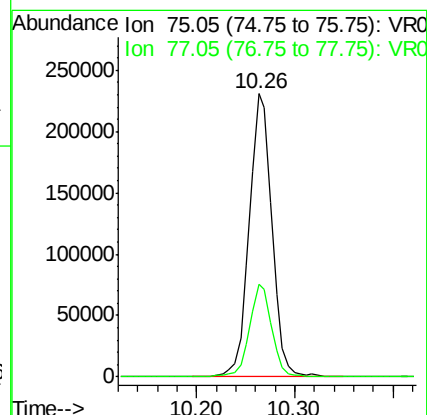
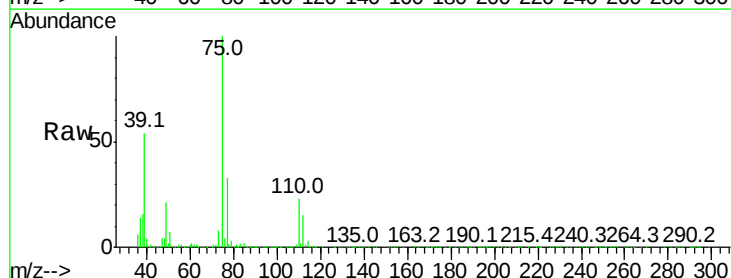
Acq: 20 Nov 2018 16:52

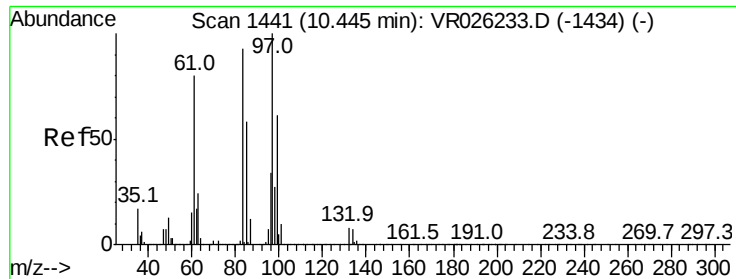
Tgt Ion: 75 Resp: 372182

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3

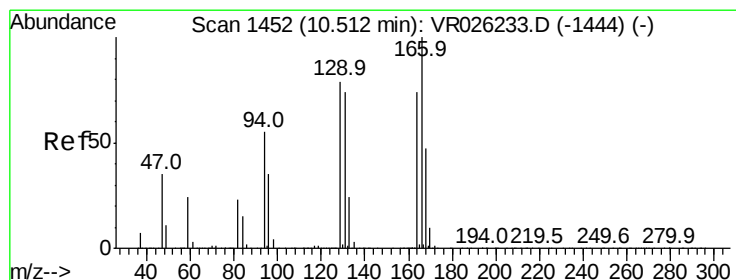
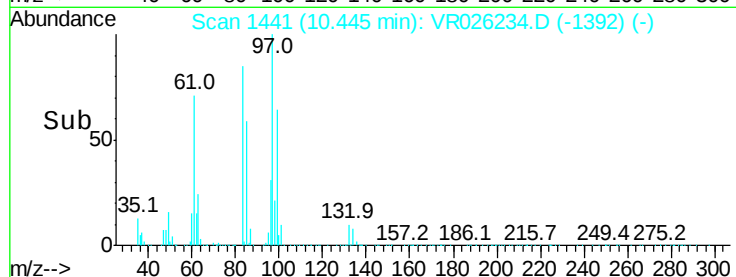
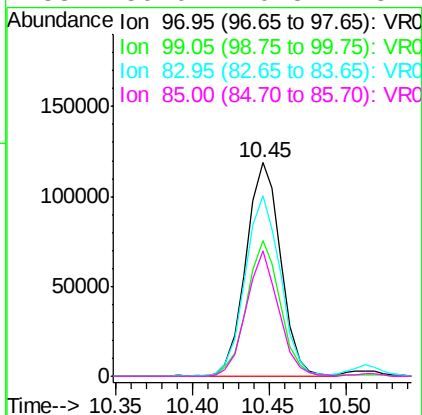
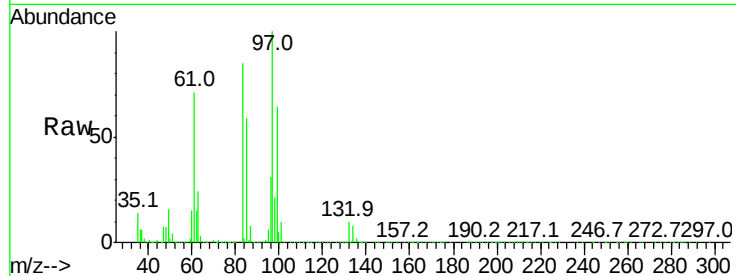




#45
1,1,2-Trichloroethane
Concen: 9.980 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

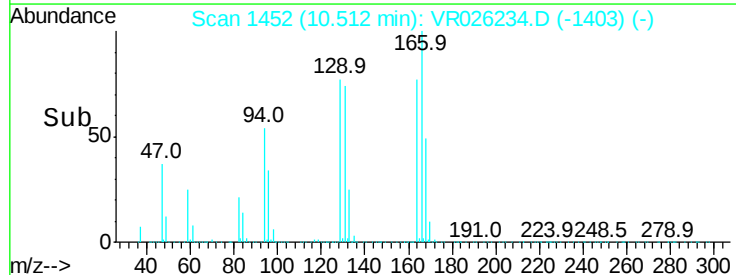
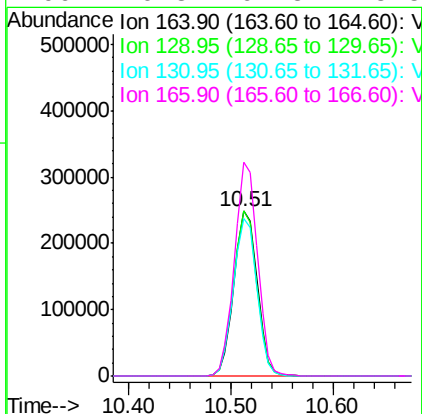
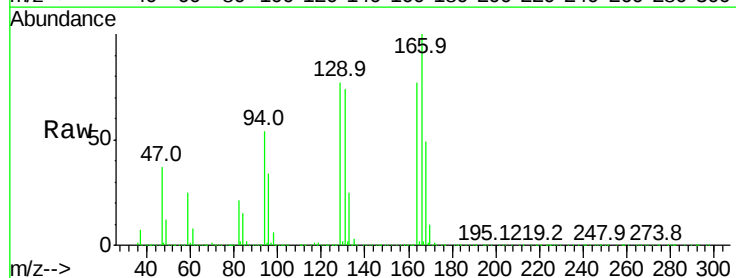
Instrument :
MSVOA_R
ClientSampleId :
VSTD01091

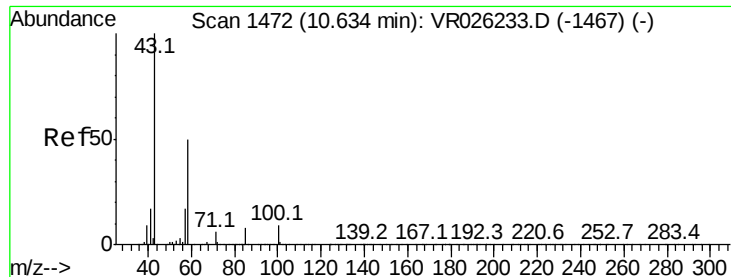
Tgt Ion:	97	Resp:	187383
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.0	80.0
83	84.6	65.0	120.8
85	59.0	40.5	75.1



#47
Tetrachloroethene
Concen: 10.875 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Tgt Ion:	164	Resp:	392488
Ion	Ratio	Lower	Upper
164	100		
129	100.0	74.6	138.6
131	96.0	69.8	129.6
166	129.8	94.5	175.5

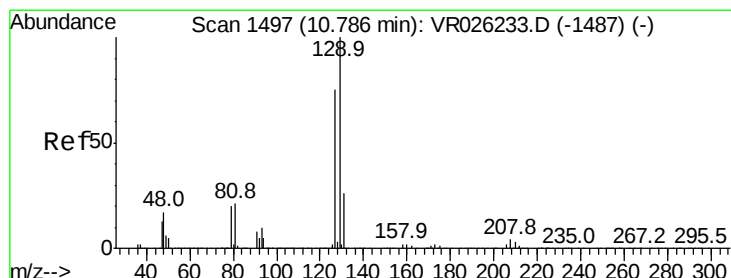
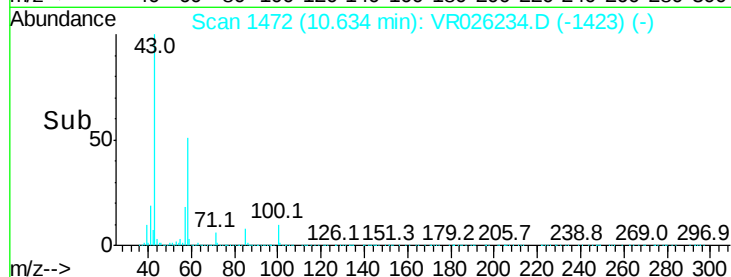
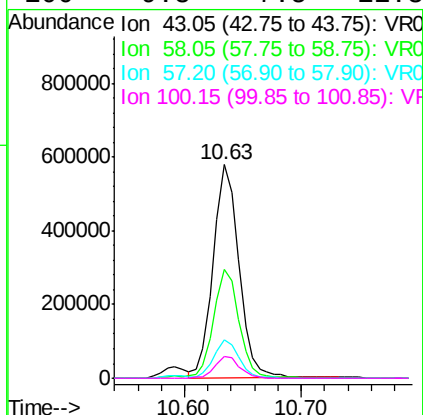
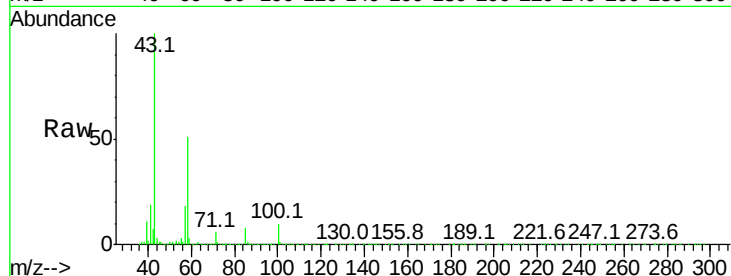




#48
2-Hexanone
Concen: 106.469 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

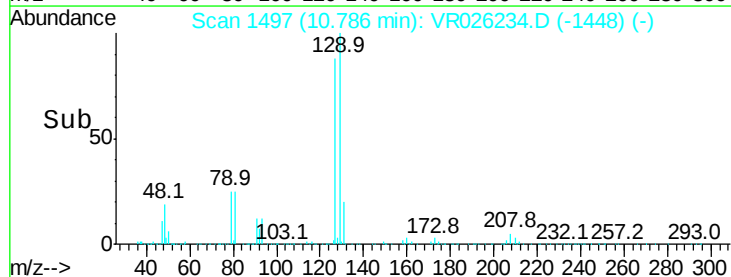
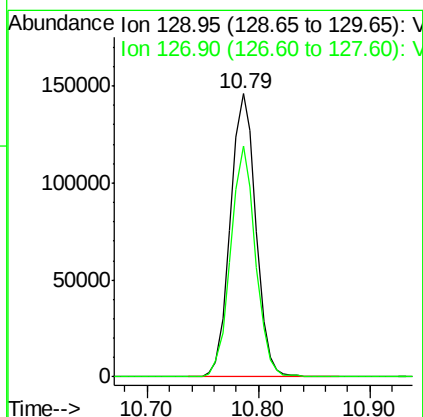
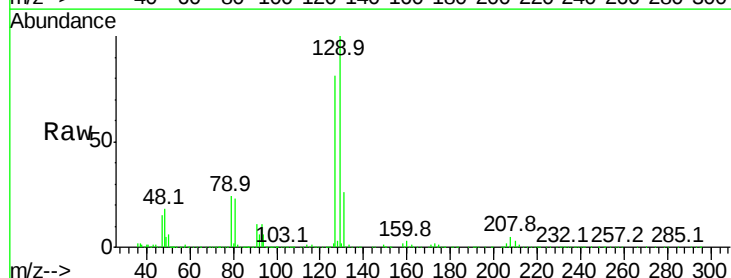
Instrument :
MSVOA_R
ClientSampled :
VSTD01091

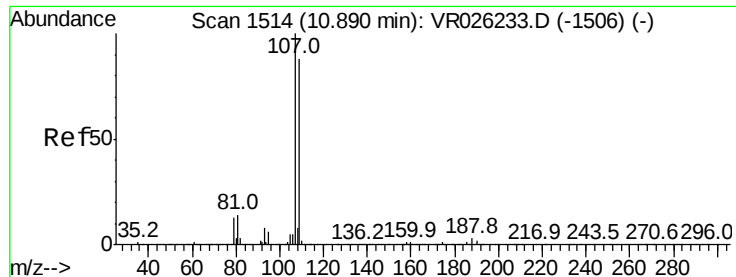
Tgt Ion:	43	Resp:	882462
Ion	Ratio	Lower	Upper
43	100		
58	52.0	41.3	61.9
57	17.5	14.5	21.7
100	9.8	7.5	11.3



#49
Dibromochloromethane
Concen: 10.437 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Tgt Ion:	129	Resp:	232089
Ion	Ratio	Lower	Upper
129	100		
127	81.5	52.8	98.0

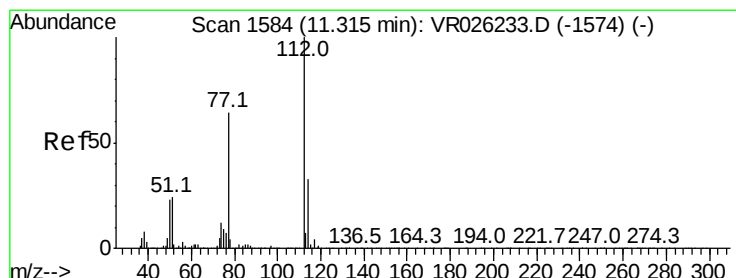
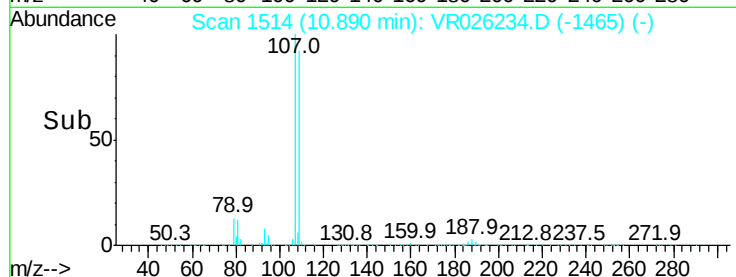
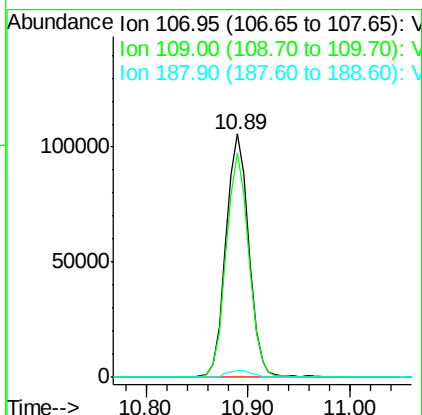
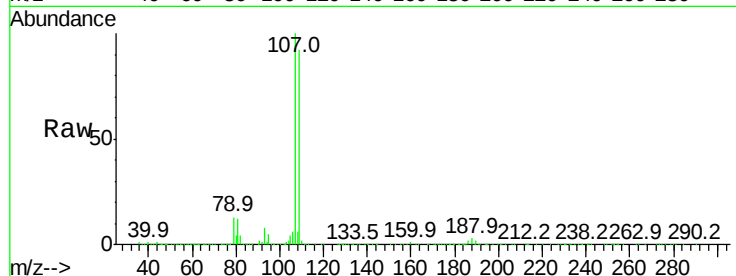




#50
1,2-Dibromoethane
Concen: 10.318 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

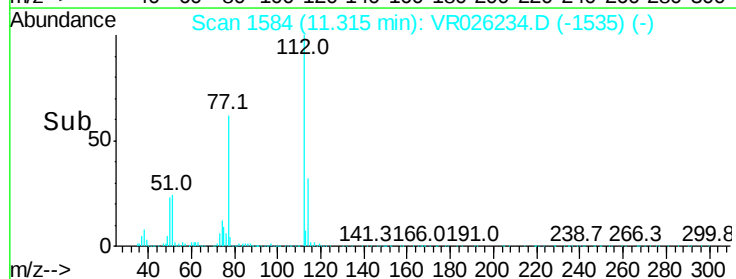
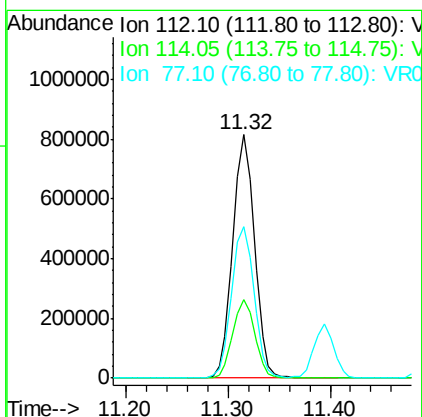
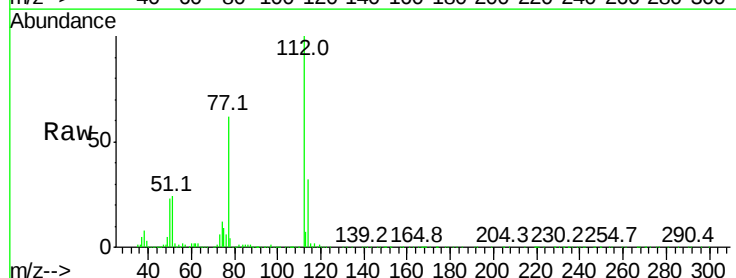
Instrument :
MSVOA_R
ClientSampled :
VSTD01091

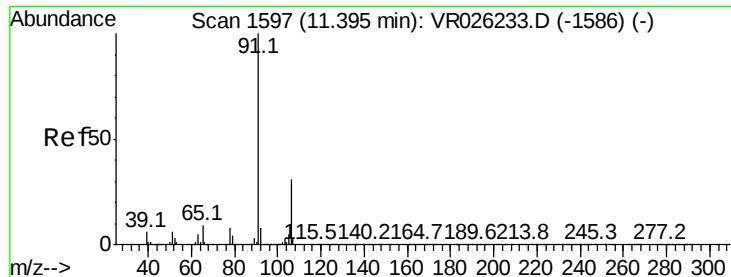
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.0	62.1	115.3
188	2.7	2.2	3.2



#51
Chlorobenzene
Concen: 10.034 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026234.D
Acq: 20 Nov 2018 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	23.0	42.6
77	62.0	51.5	77.3





#52

Ethylbenzene

Concen: 10.525 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

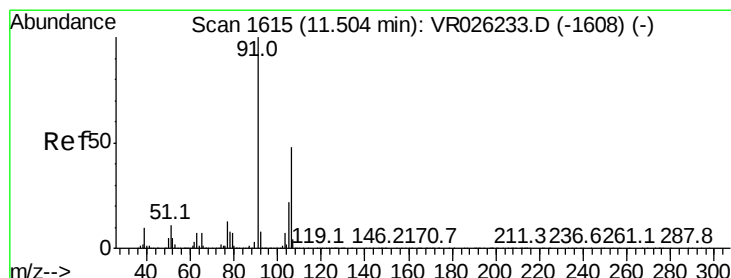
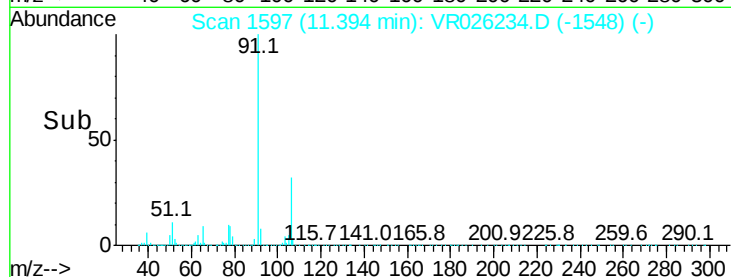
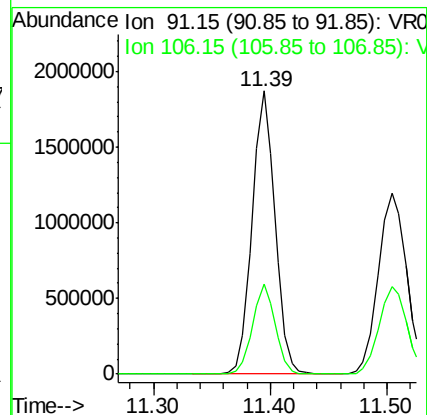
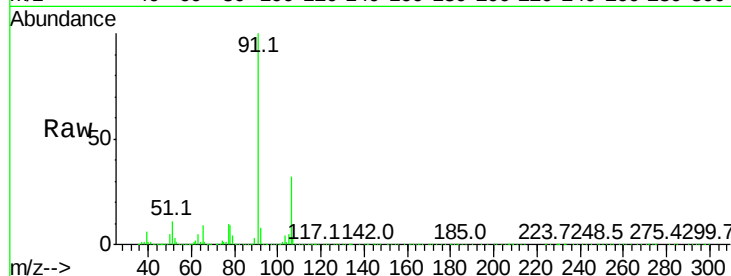
VSTD01091

Tgt Ion: 91 Resp: 2579217

Ion Ratio Lower Upper

91 100

106 31.7 21.3 39.6



#53

m,p-Xylene

Concen: 10.855 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026234.D

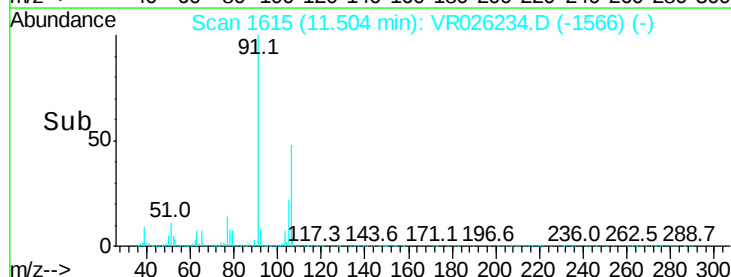
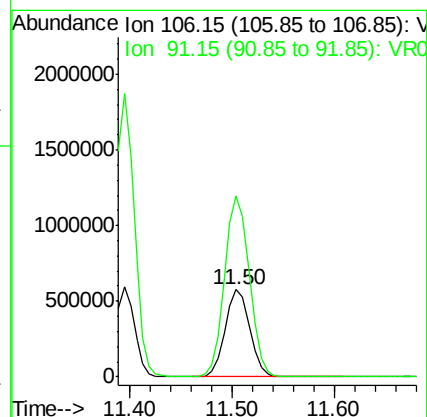
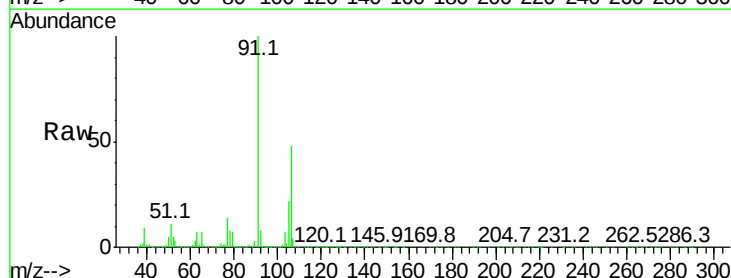
Acq: 20 Nov 2018 16:52

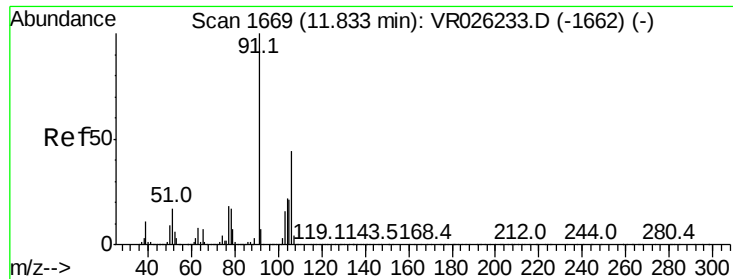
Tgt Ion: 106 Resp: 965515

Ion Ratio Lower Upper

106 100

91 207.8 147.2 273.4





#54

o-Xylene

Concen: 11.271 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

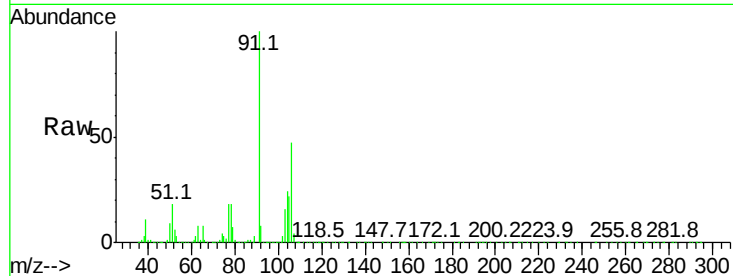
VSTD01091

Tgt Ion:106 Resp: 914867

Ion Ratio Lower Upper

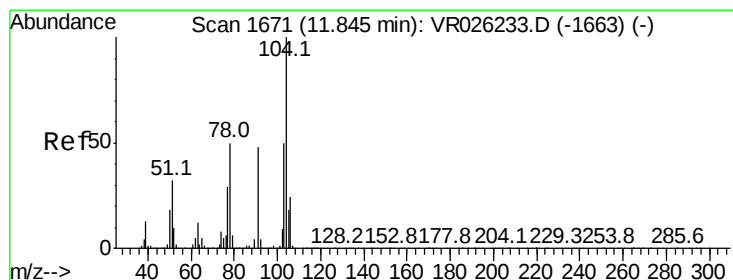
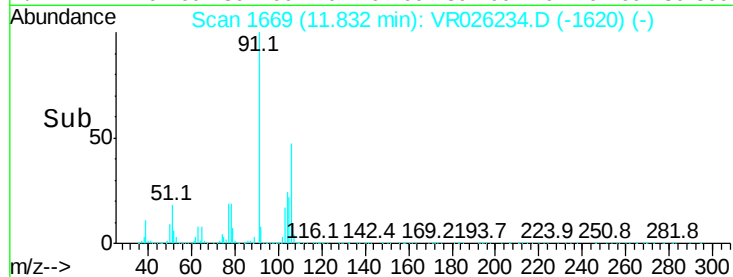
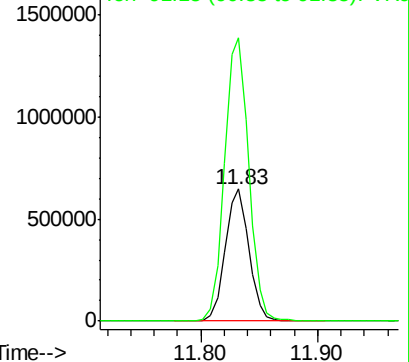
106 100

91 214.4 159.0 295.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 11.114 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026234.D

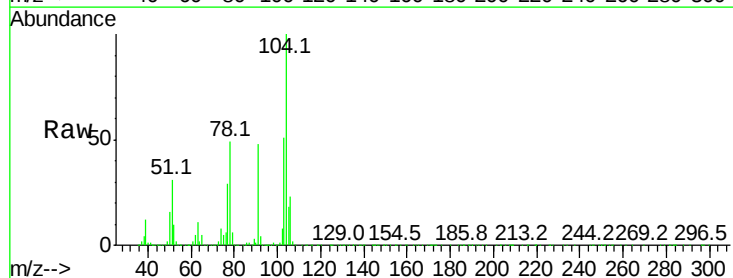
Acq: 20 Nov 2018 16:52

Tgt Ion:104 Resp: 1402345

Ion Ratio Lower Upper

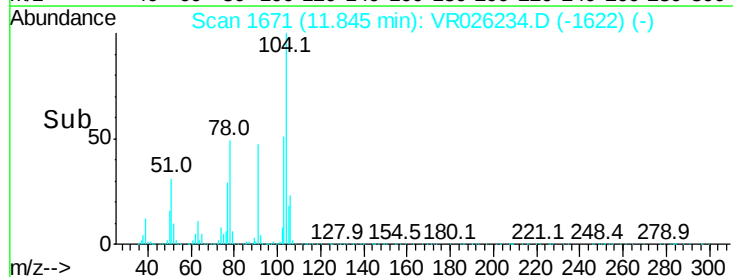
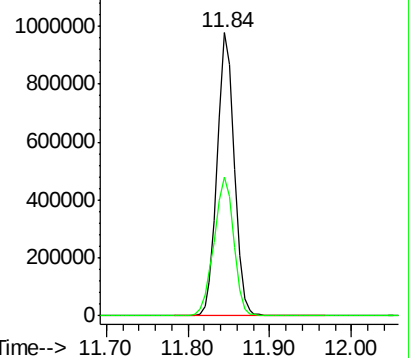
104 100

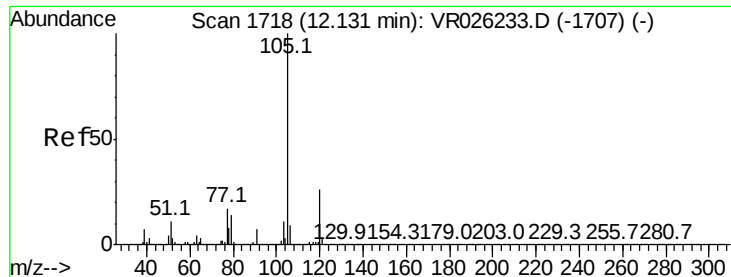
78 49.1 35.4 65.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 11.371 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01091

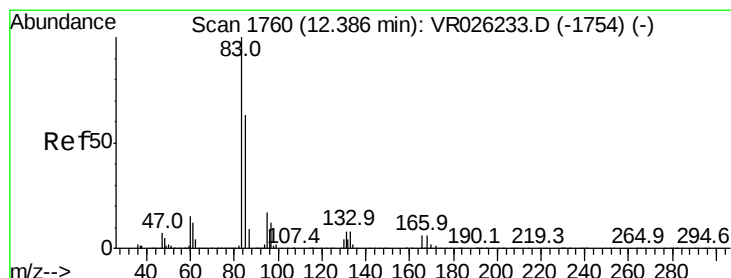
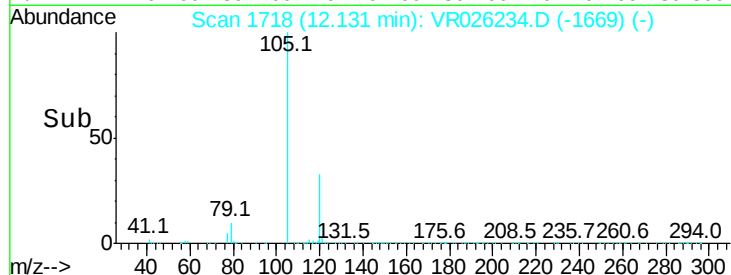
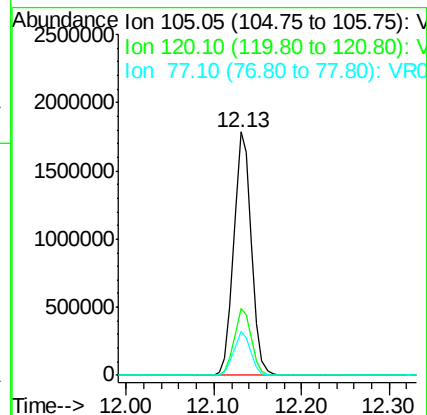
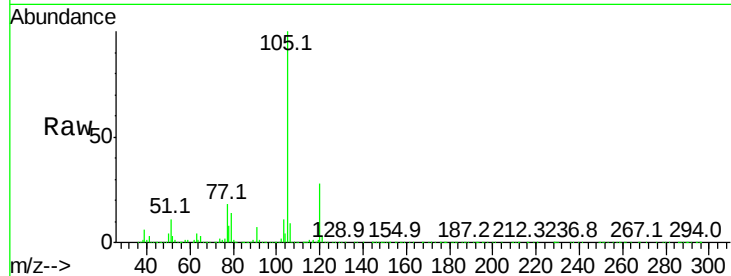
Tgt Ion:105 Resp: 2492683

Ion Ratio Lower Upper

105 100

120 27.0 20.9 31.3

77 17.5 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 9.863 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

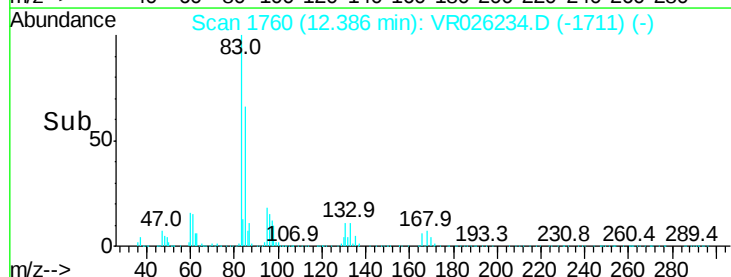
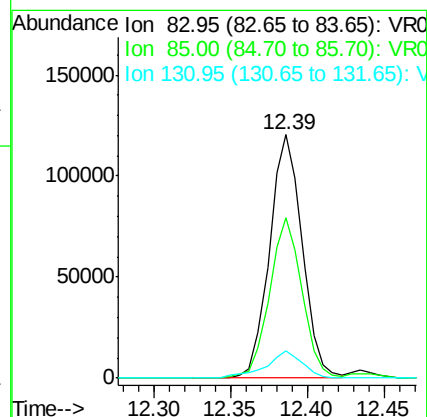
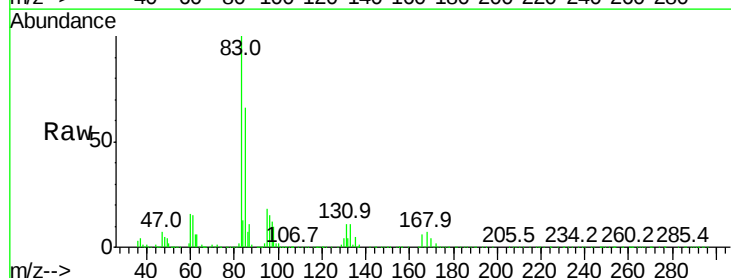
Tgt Ion: 83 Resp: 178880

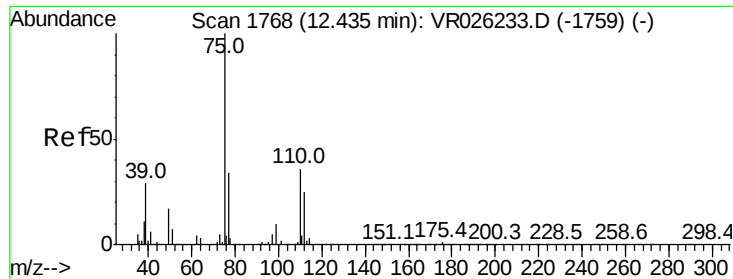
Ion Ratio Lower Upper

83 100

85 65.9 44.5 82.7

131 10.9 7.1 10.7#





#59

1,2,3-Trichloropropane

Concen: 9.794 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

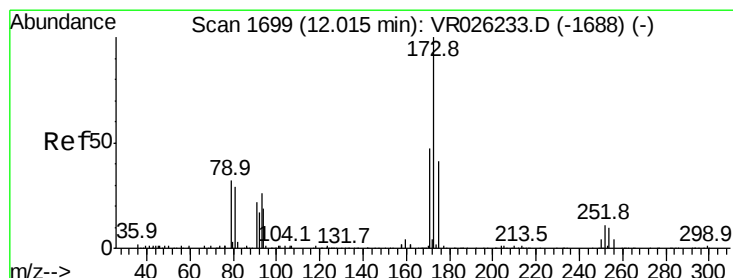
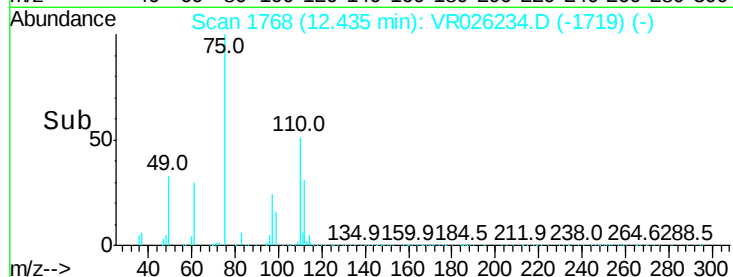
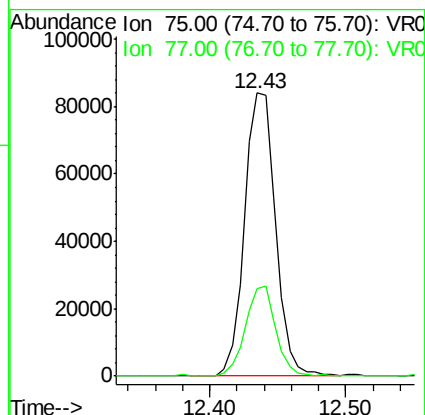
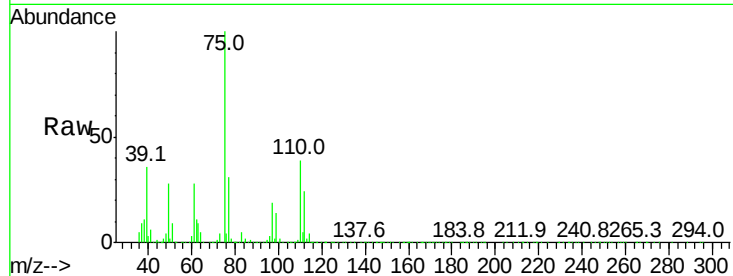
VSTD01091

Tgt Ion: 75 Resp: 133755

Ion Ratio Lower Upper

75 100

77 31.1 26.1 39.1



#61

Bromoform

Concen: 9.545 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

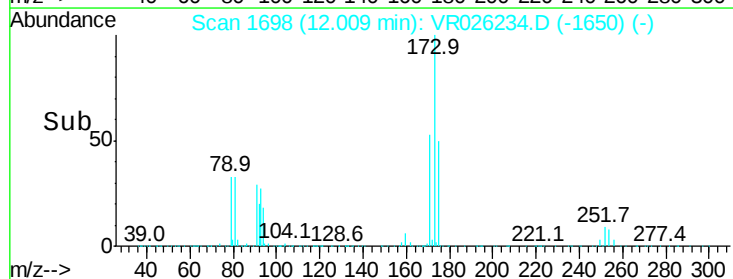
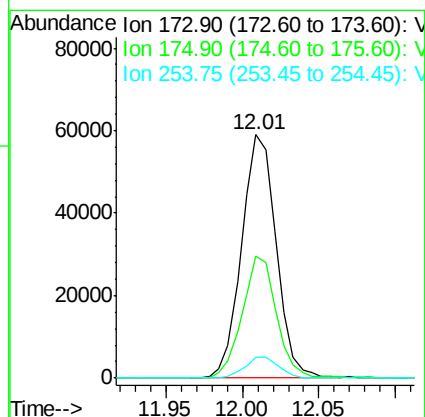
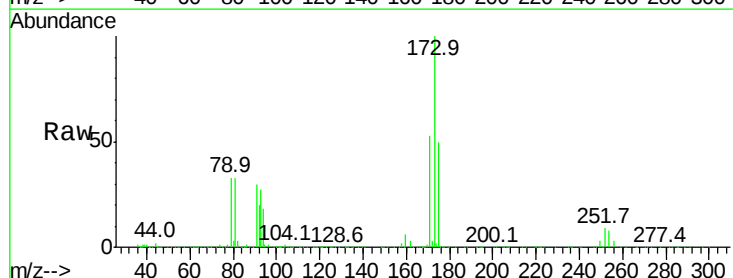
Tgt Ion: 173 Resp: 92515

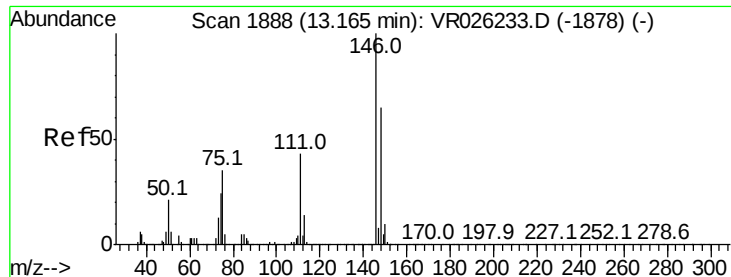
Ion Ratio Lower Upper

173 100

175 49.7 37.8 56.8

254 8.7 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 10.609 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

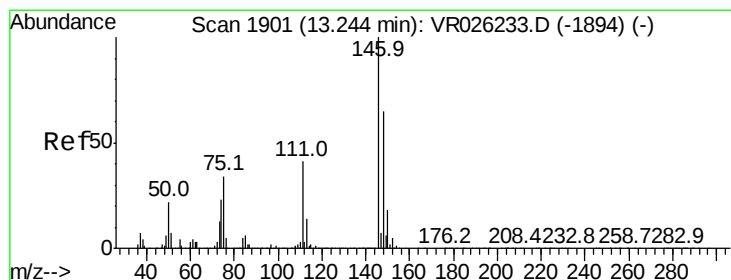
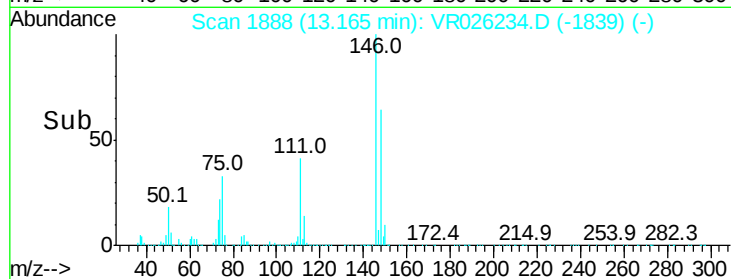
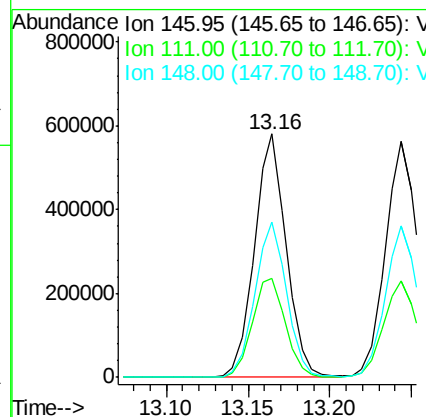
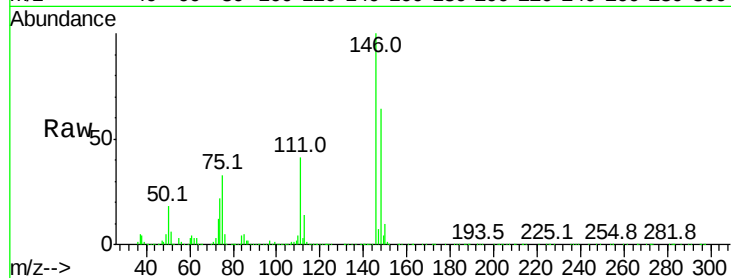
Instrument :

MSVOA_R

ClientSampleId :

VSTD01091

Tgt Ion:	146	Resp:	787210
Ion	Ratio	Lower	Upper
146	100		
111	40.8	29.9	55.5
148	63.8	45.6	84.8



#63

1,4-Dichlorobenzene

Concen: 9.623 ug/L

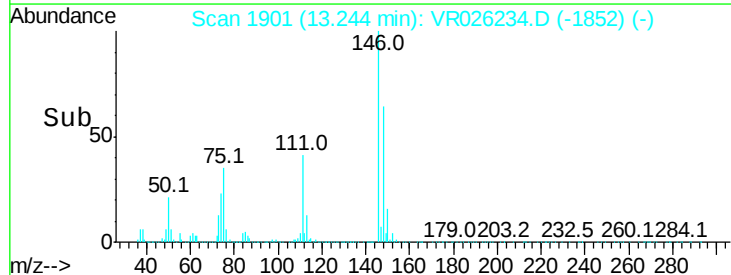
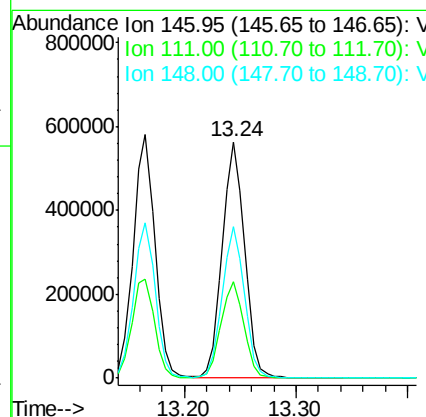
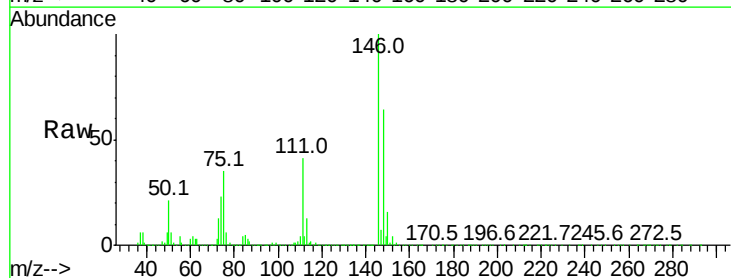
RT: 13.24 min Scan# 1901

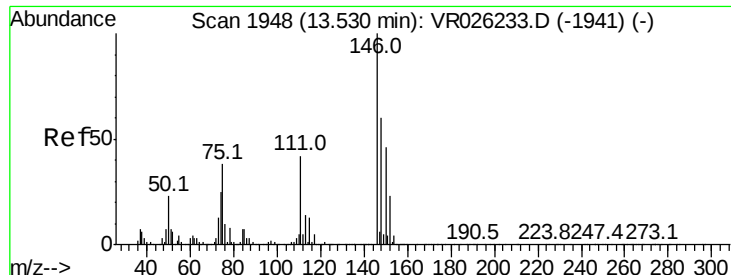
Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Tgt Ion:	146	Resp:	785303
Ion	Ratio	Lower	Upper
146	100		
111	40.6	29.0	53.9
148	64.2	45.6	84.8

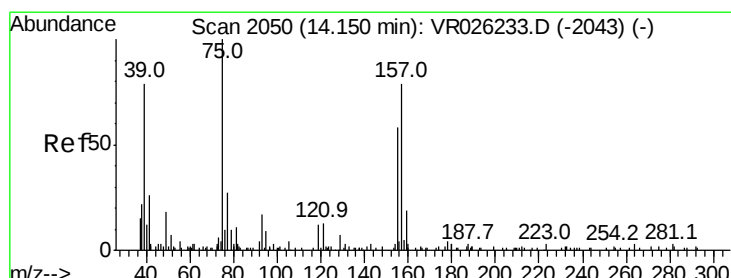
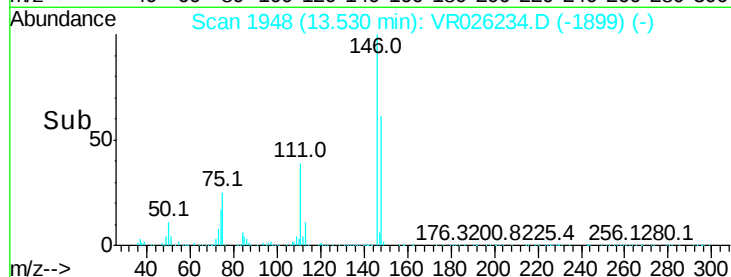
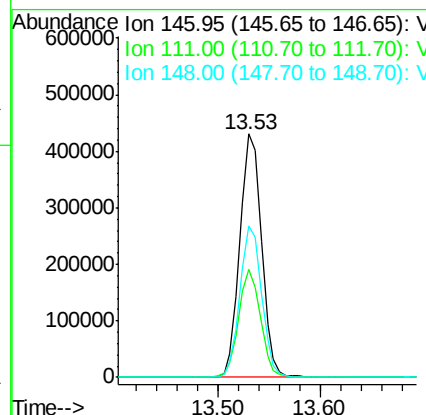
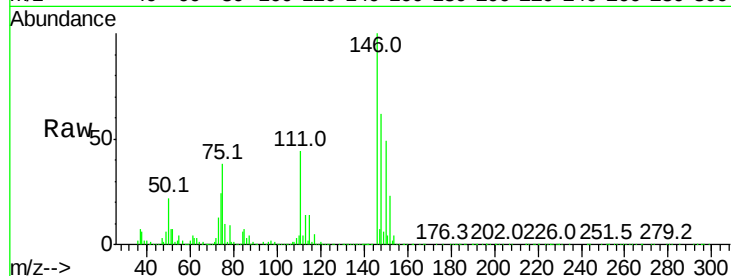




#65
 1,2-Dichlorobenzene
 Concen: 10.091 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

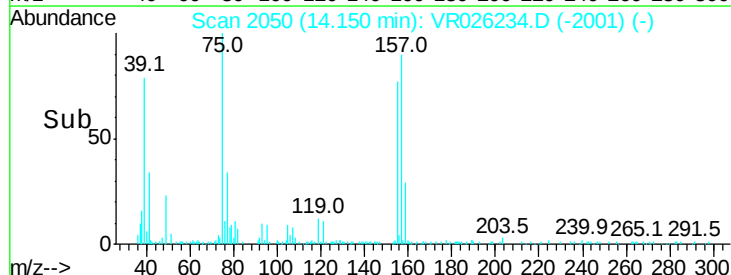
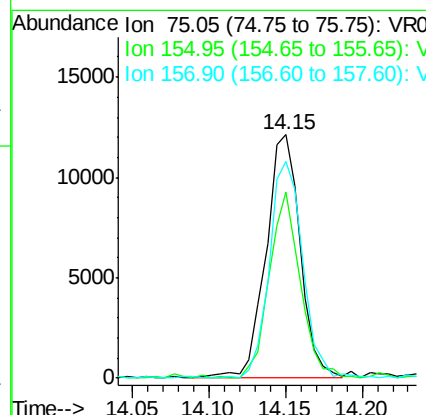
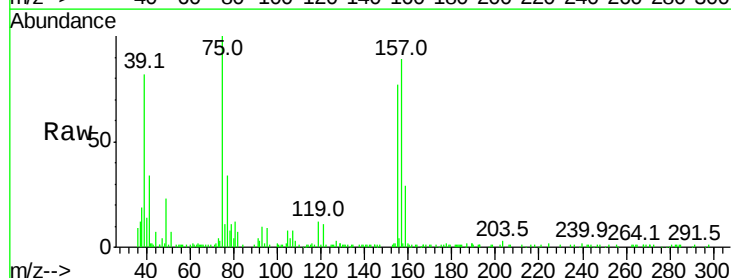
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01091

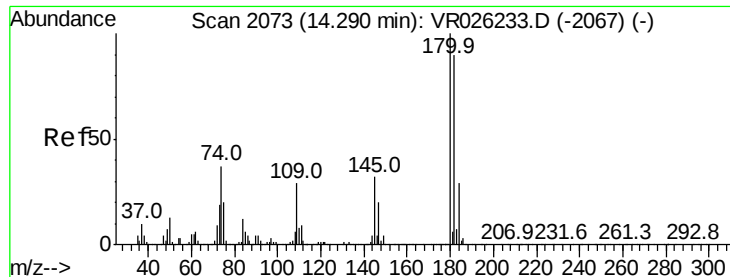
Tgt Ion:146 Resp: 628350
 Ion Ratio Lower Upper
 146 100
 111 44.1 33.7 50.5
 148 62.2 48.2 72.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.213 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion: 75 Resp: 18972
 Ion Ratio Lower Upper
 75 100
 155 76.6 46.0 69.0#
 157 88.9 65.5 98.3

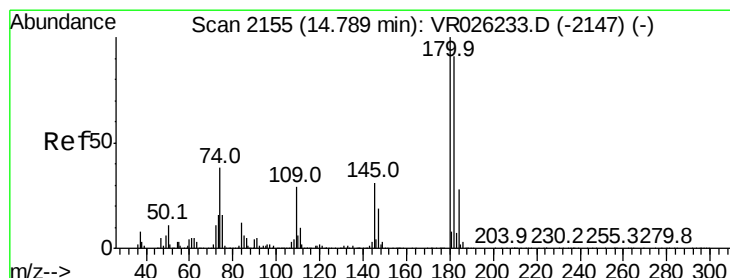
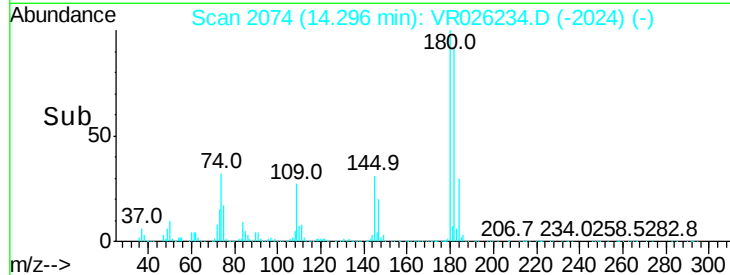
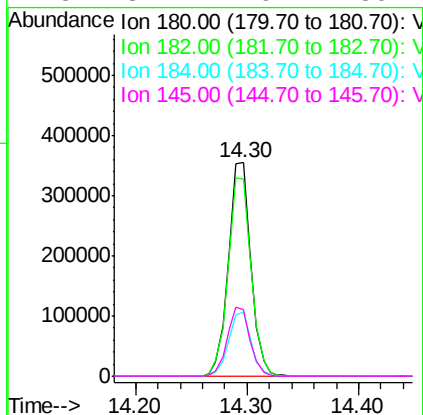
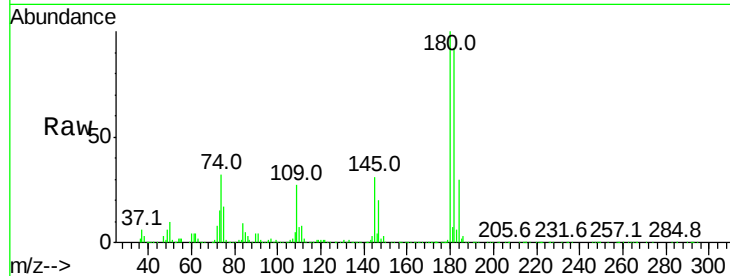




#67
 1,3,5-Trichlorobenzene
 Concen: 10.709 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

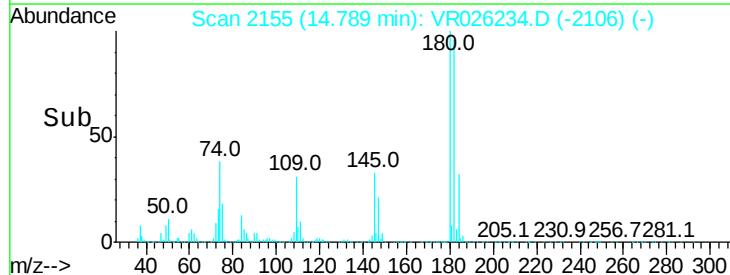
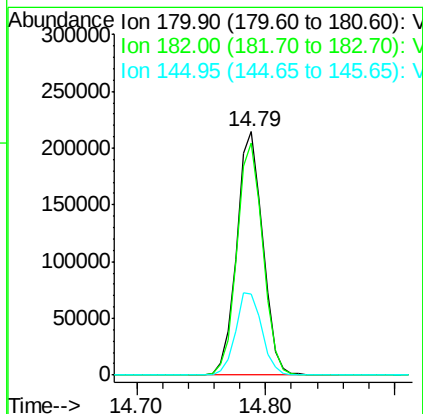
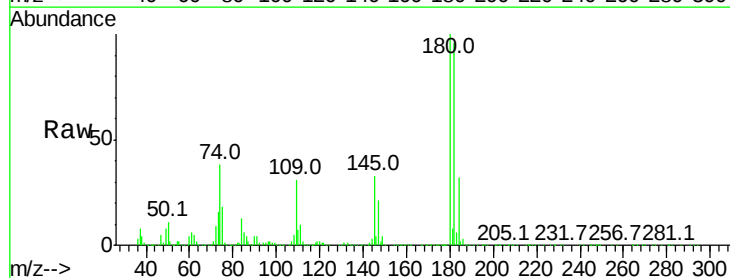
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD01091

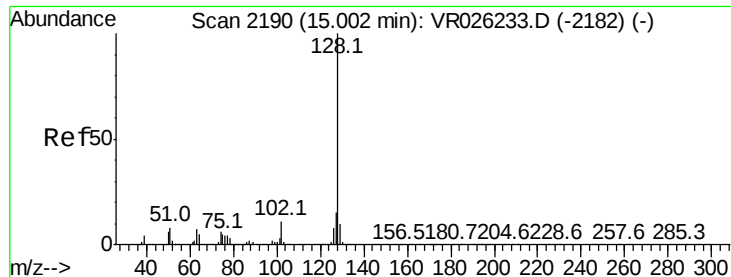
Tgt Ion:	180	Resp:	494998
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	30.1	24.7	37.1
145	32.7	26.2	39.4



#68
 1,2,4-trichlorobenzene
 Concen: 11.609 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026234.D
 Acq: 20 Nov 2018 16:52

Tgt Ion:	180	Resp:	299527
Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	34.2	26.2	39.4





#69

Naphthalene

Concen: 12.300 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD01091

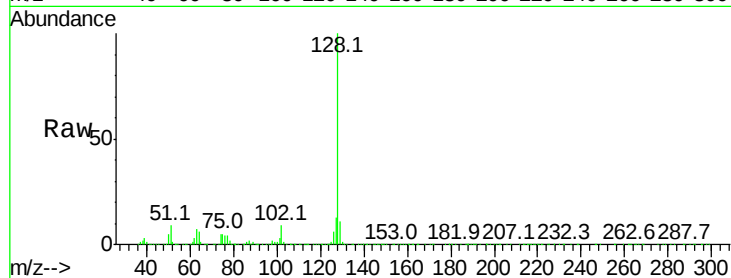
Tgt Ion:128 Resp: 334841

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

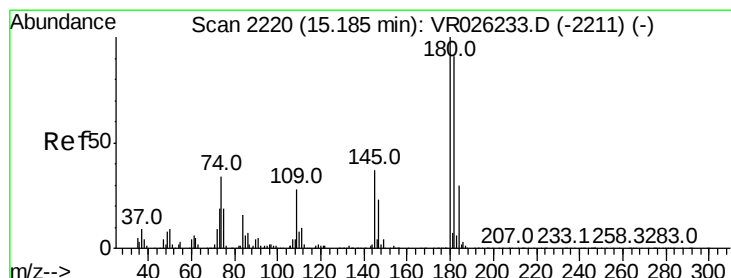
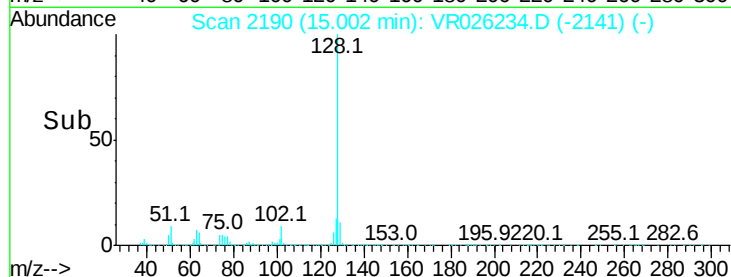
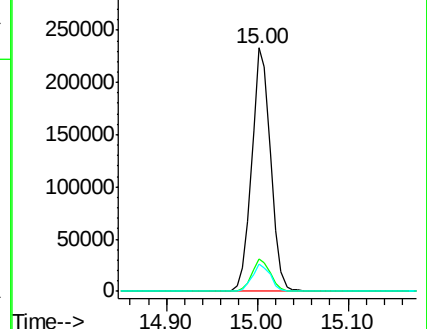
129 11.1 9.0 13.6



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: 11.546 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026234.D

Acq: 20 Nov 2018 16:52

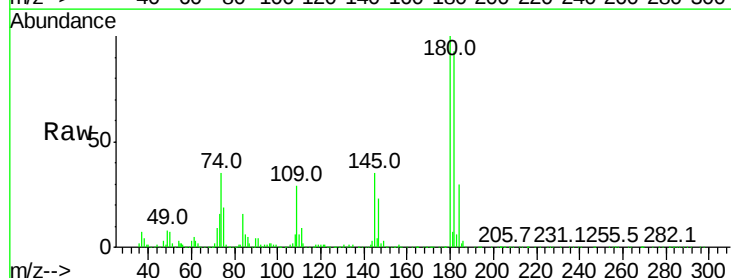
Tgt Ion:180 Resp: 208500

Ion Ratio Lower Upper

180 100

182 94.7 74.4 111.6

145 35.3 29.0 43.6



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

