

Data File : VR026434.D
Acq On : 3 Apr 2019 17:38
Operator : SY/MD
Sample : VSTD02086
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

Quant Time: Apr 04 04:45:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	675789	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	579328	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	232371	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	949807	14.77	ug/L	0.00
7) Chloroethane-d5	2.63	69	776222	14.54	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2531979	16.54	ug/L	0.00
20) 2-Butanone-d5	6.58	46	1135948	232.88	ug/L	0.00
24) Chloroform-d	7.20	84	2058612	18.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	851820	19.28	ug/L	0.00
32) Benzene-d6	7.85	84	3985125	18.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	1008027	18.29	ug/L	0.00
41) Toluene-d8	9.97	98	3789483	19.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	314754	21.63	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	922702	249.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	376580	17.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	755459	18.83	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1366971	22.983	ug/L	100
3) Chloromethane	2.01	50	1339785	18.643	ug/L	100
5) Vinyl chloride	2.17	62	1328665	19.002	ug/L	99
6) Bromomethane	2.52	94	753901	18.713	ug/L	92
8) Chloroethane	2.66	64	742695	17.868	ug/L	100
9) Trichlorofluoromethane	2.94	101	1981824	21.419	ug/L	# 50
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	1030245	19.359	ug/L	100
12) 1,1-Dichloroethene	3.63	96	1144319	19.461	ug/L	93
13) Acetone	3.69	43	873016	198.619	ug/L	99
14) Carbon disulfide	3.93	76	3431691	18.535	ug/L	99
15) Methyl Acetate	4.19	43	228992	18.757	ug/L	98
16) Methylene chloride	4.40	84	915751	17.725	ug/L	95
17) Methyl tert-butyl Ether	4.89	73	1520464	26.342	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	1194883	22.036	ug/L	96
19) 1,1-Dichloroethane	5.69	63	2223747	22.253	ug/L	99
21) 2-Butanone	6.69	43	1430267	259.006	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	1106741	24.435	ug/L	# 95
23) Bromochloromethane	7.04	128	296427	20.989	ug/L	98
25) Chloroform	7.23	83	2116490	22.122	ug/L	99
27) 1,2-Dichloroethane	7.99	62	1032851	22.575	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1954956	22.535	ug/L	98
30) Cyclohexane	7.51	56	2121184	25.796	ug/L	99
31) Carbon tetrachloride	7.63	117	1856550	22.997	ug/L	100
33) Benzene	7.90	78	4851148	21.608	ug/L	100
34) Trichloroethene	8.71	95	1312556	23.095	ug/L	98
35) Methylcyclohexane	8.95	83	2033622	25.046	ug/L	97
37) 1,2-Dichloropropane	8.99	63	1030289	21.631	ug/L	100
38) Bromodichloromethane	9.28	83	1227402	22.404	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	1393581	26.485	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	3527014	267.093	ug/L	98

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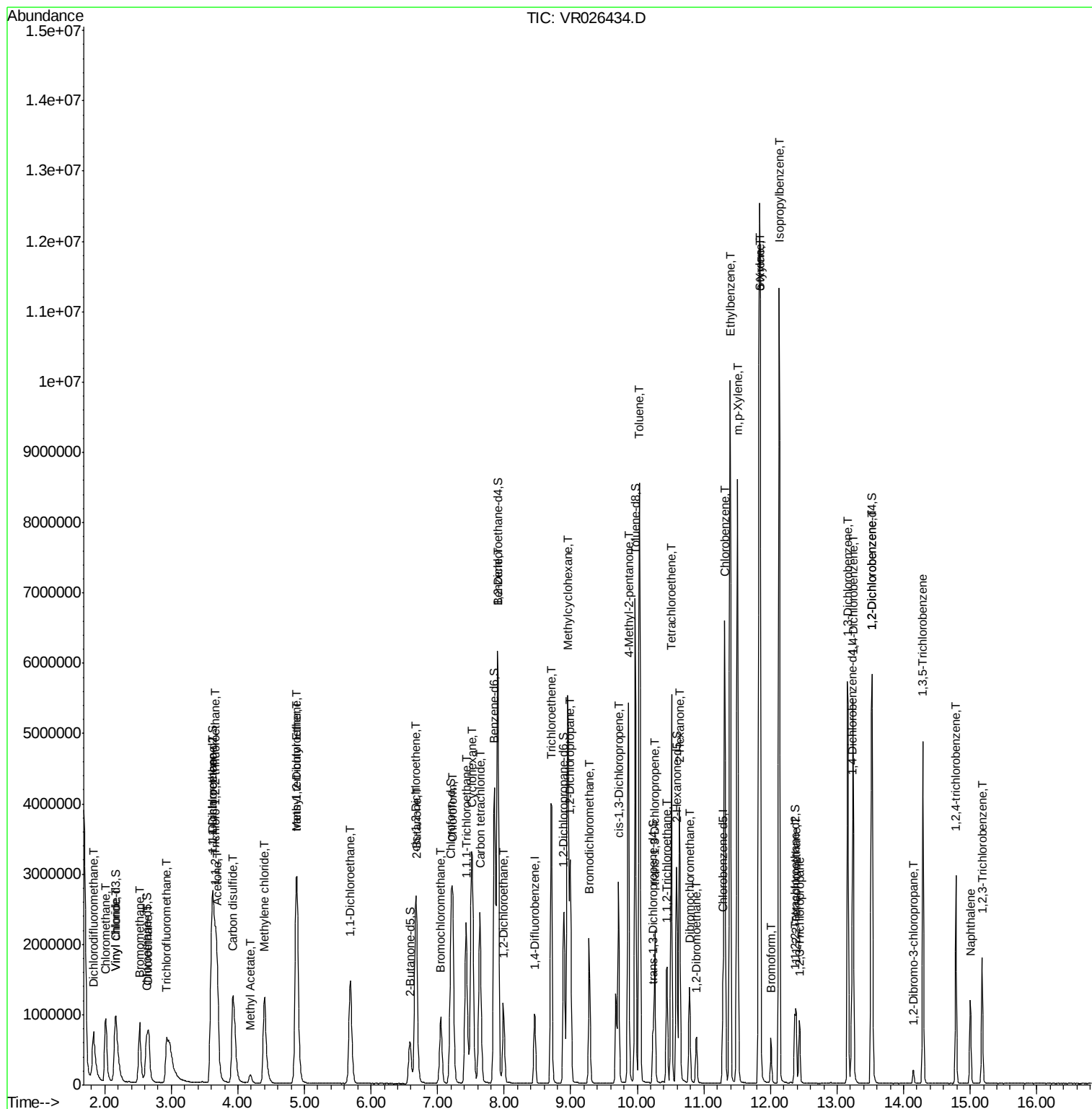
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	5138889	22.723	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	974929	25.663	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	420479	21.393	ug/L	98
47) Tetrachloroethene	10.51	164	941800	22.993	ug/L	94
48) 2-Hexanone	10.63	43	2325549	255.176	ug/L	98
49) Dibromochloromethane	10.79	129	580838	23.702	ug/L	92
50) 1,2-Dibromoethane	10.89	107	375705	24.004	ug/L	99
51) Chlorobenzene	11.32	112	2748616	22.290	ug/L	99
52) Ethylbenzene	11.39	91	5830199	22.907	ug/L	91
53) m,p-Xylene	11.50	106	2299857	25.519	ug/L	90
54) o-Xylene	11.83	106	2175584	27.431	ug/L	84
55) Styrene	11.84	104	3300390	26.280	ug/L	95
56) Isopropylbenzene	12.13	105	5660758	25.089	ug/L	95
58) 1,1,2,2-Tetrachloroethane	12.39	83	403870	22.479	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	308290	23.025	ug/L	99
61) Bromoform	12.01	173	227947	21.229	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1746280	24.275	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	1704070	21.569	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1330341	22.516	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	48166	21.939	ug/L	87
67) 1,3,5-Trichlorobenzene	14.29	180	1106922	24.834	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	652866	25.530	ug/L	96
69) Naphthalene	15.00	128	737143	31.040	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	436248	24.303	ug/L	98

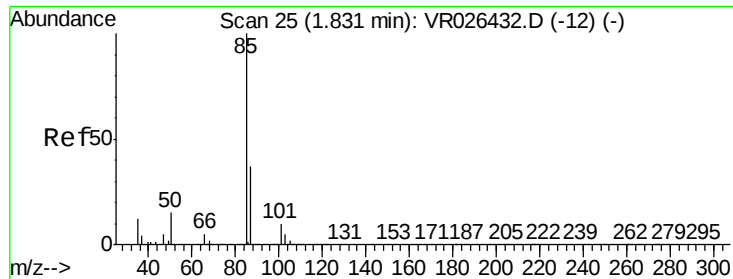
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.983 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

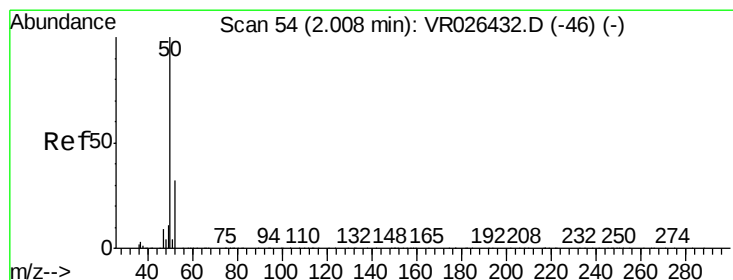
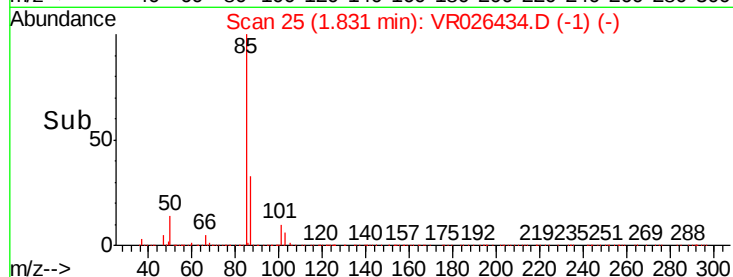
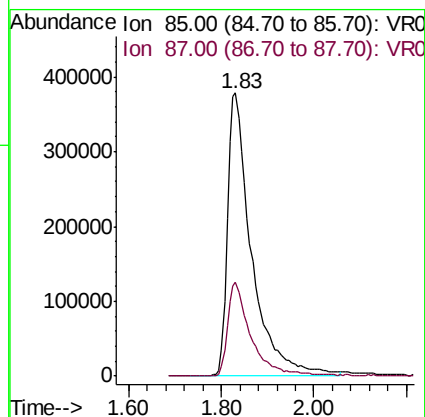
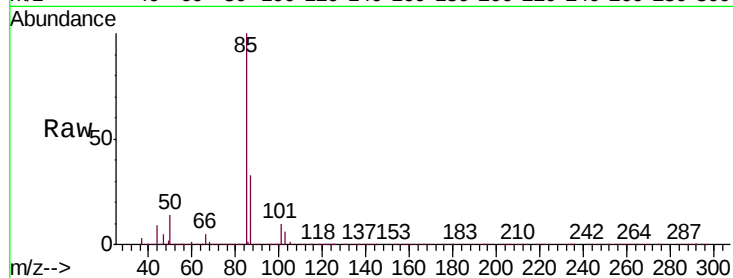
VSTD02086

Tgt Ion: 85 Resp: 1366971

Ion Ratio Lower Upper

85 100

87 32.0 25.5 38.3



#3

Chloromethane

Concen: 18.643 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR026434.D

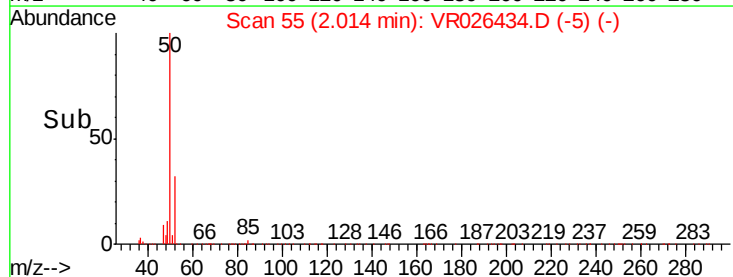
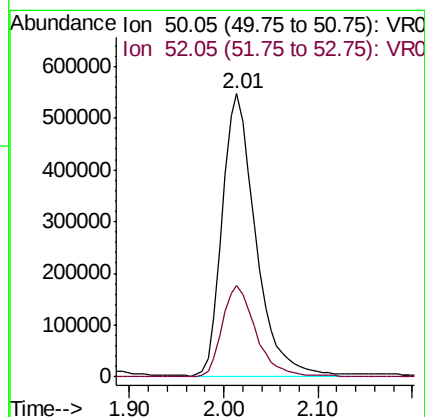
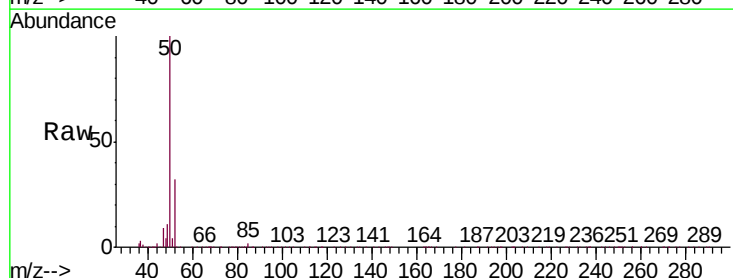
Acq: 3 Apr 2019 17:38

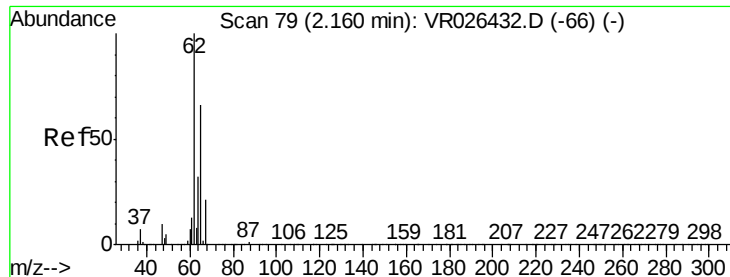
Tgt Ion: 50 Resp: 1339785

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.9





#5

Vinyl chloride

Concen: 19.002 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

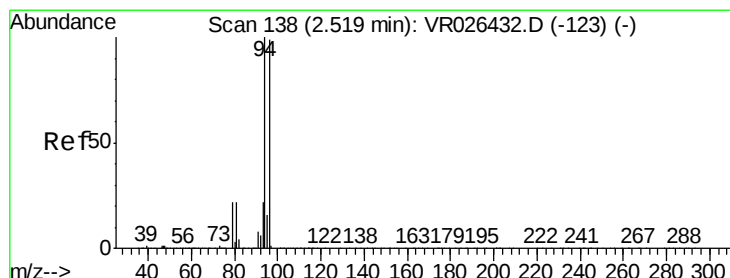
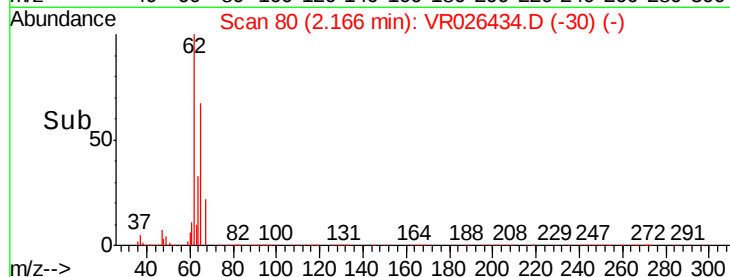
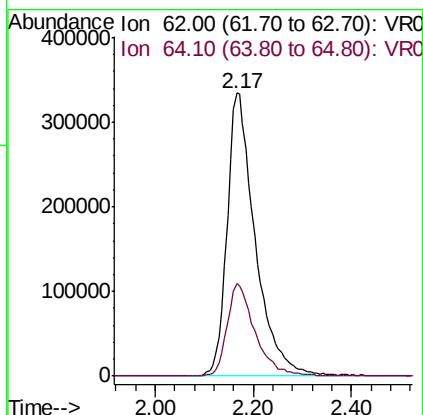
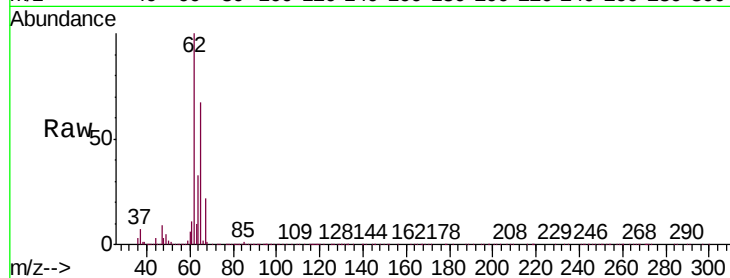
VSTD02086

Tgt Ion: 62 Resp: 1328665

Ion Ratio Lower Upper

62 100

64 32.6 22.3 41.5



#6

Bromomethane

Concen: 18.713 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026434.D

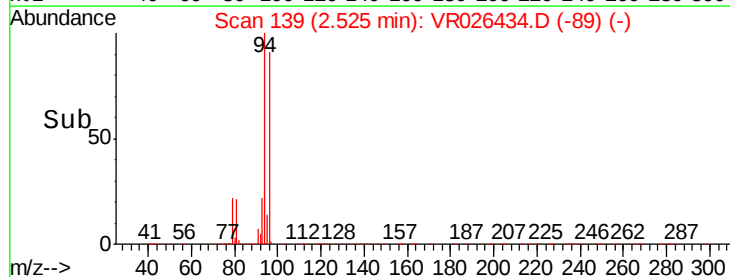
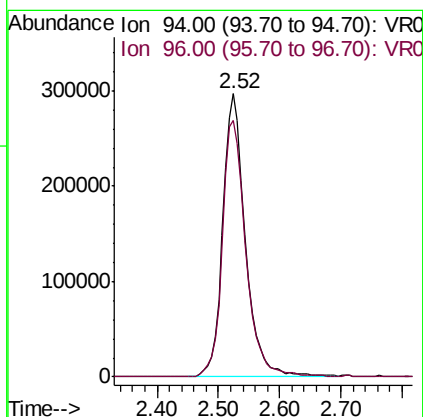
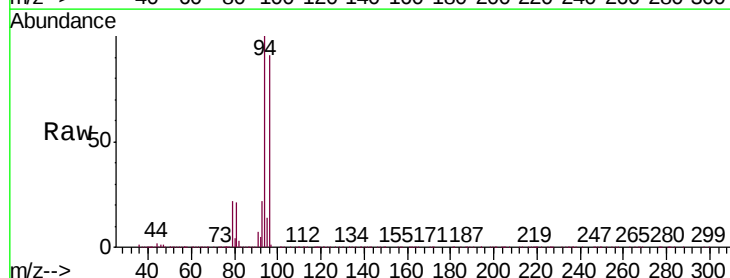
Acq: 3 Apr 2019 17:38

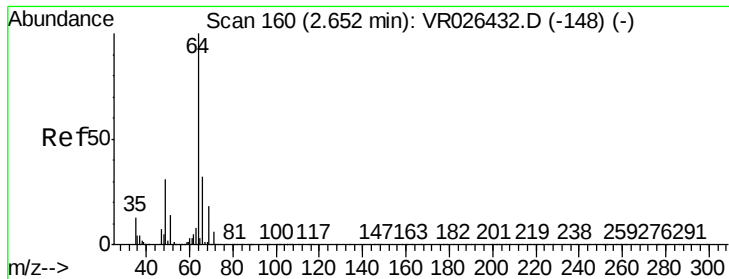
Tgt Ion: 94 Resp: 753901

Ion Ratio Lower Upper

94 100

96 90.8 69.1 128.3





#8

Chloroethane

Concen: 17.868 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

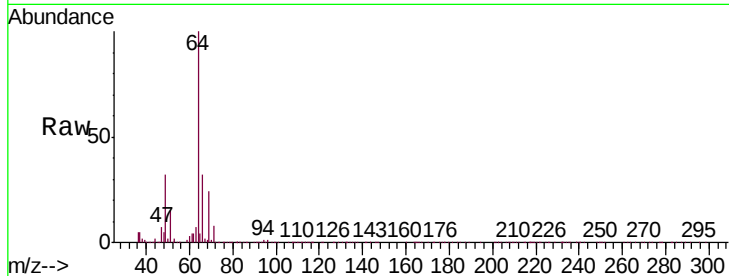
VSTD02086

Tgt Ion: 64 Resp: 742695

Ion Ratio Lower Upper

64 100

66 32.1 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

300000

250000

200000

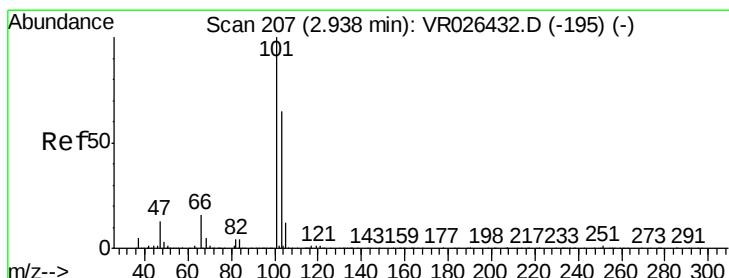
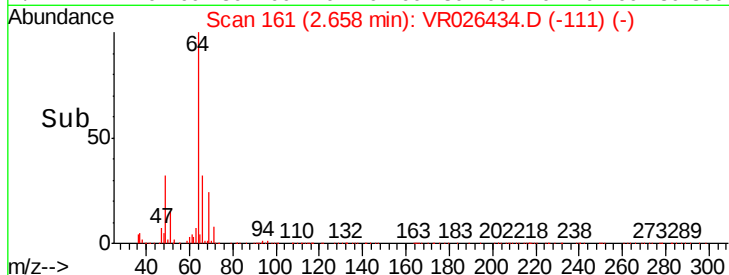
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 21.419 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026434.D

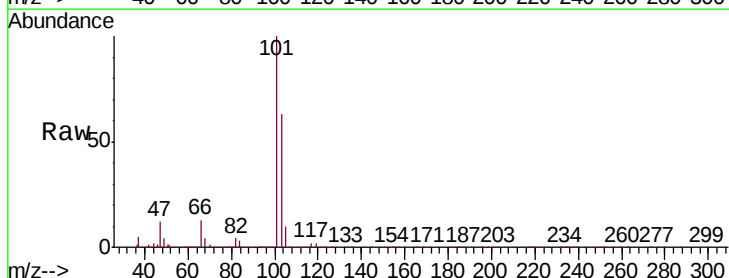
Acq: 3 Apr 2019 17:38

Tgt Ion: 101 Resp: 1981824

Ion Ratio Lower Upper

101 100

103 22.4 48.2 72.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

300000

250000

200000

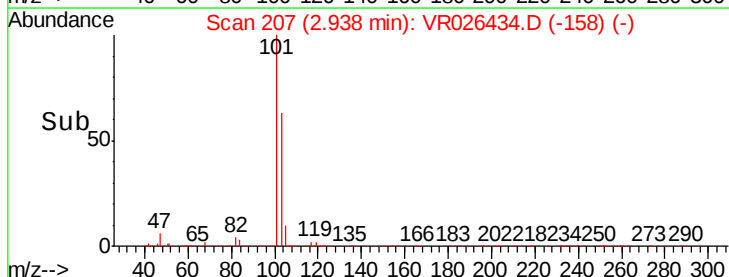
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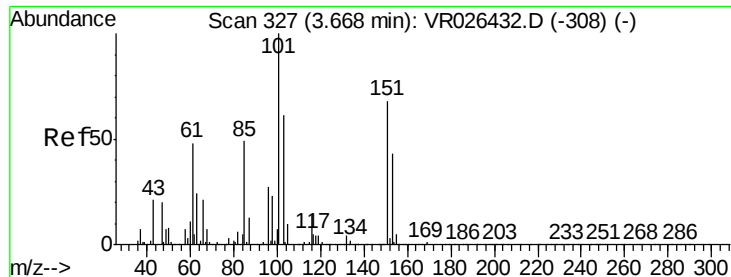
100000

50000

0

Time-->





#10

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

Concen: 19.359 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

VSTD02086

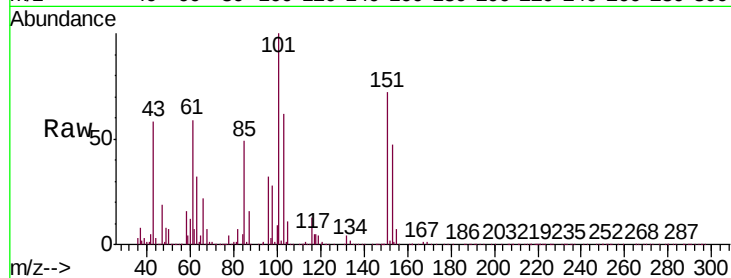
Tgt Ion:101 Resp: 1030245

Ion Ratio Lower Upper

101 100

85 48.2 39.2 58.8

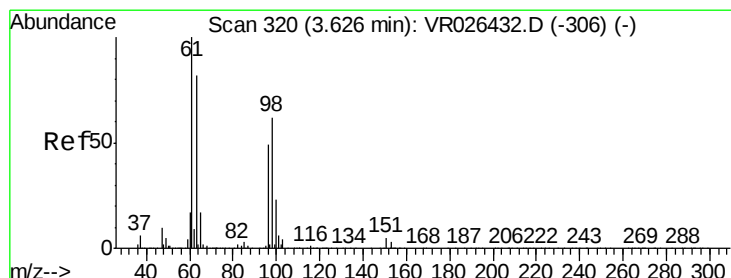
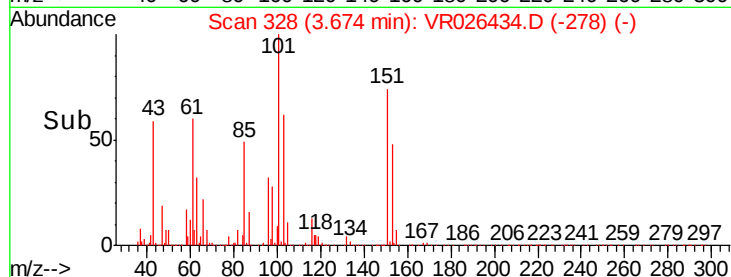
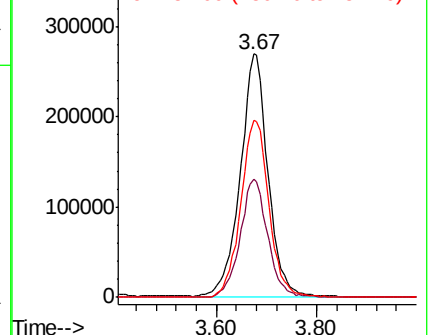
151 74.6 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.461 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

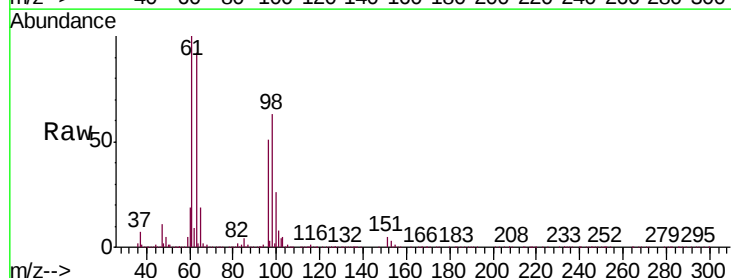
Tgt Ion: 96 Resp: 1144319

Ion Ratio Lower Upper

96 100

61 197.3 142.7 264.9

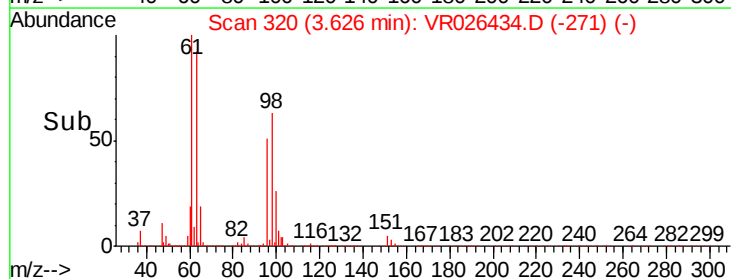
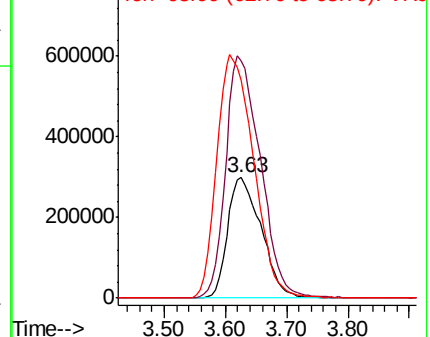
63 181.9 116.9 217.1

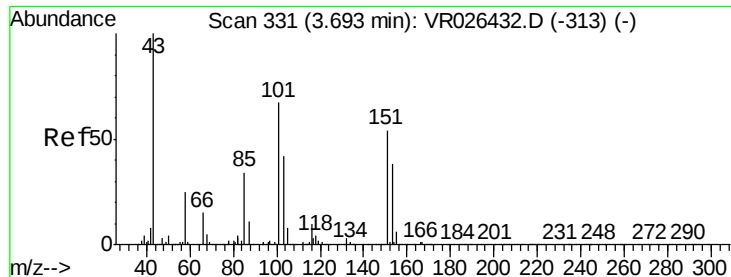


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 198.619 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

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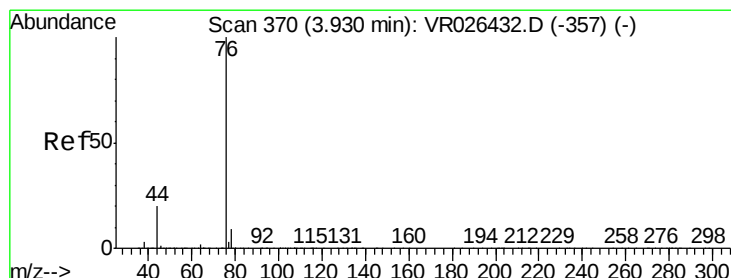
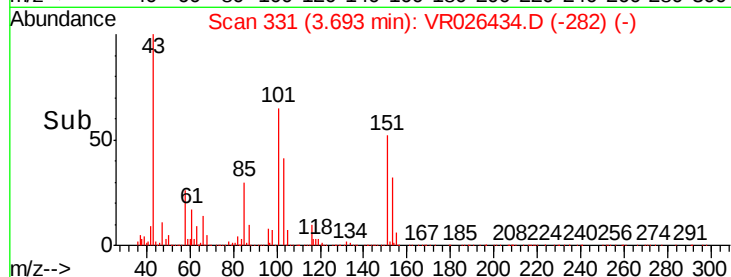
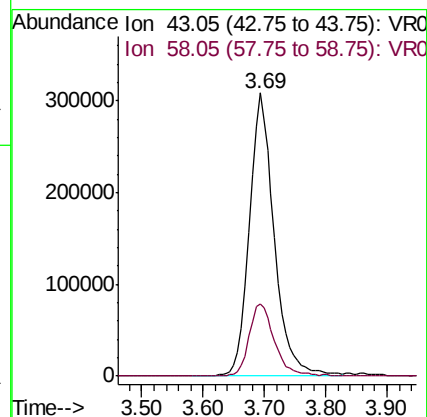
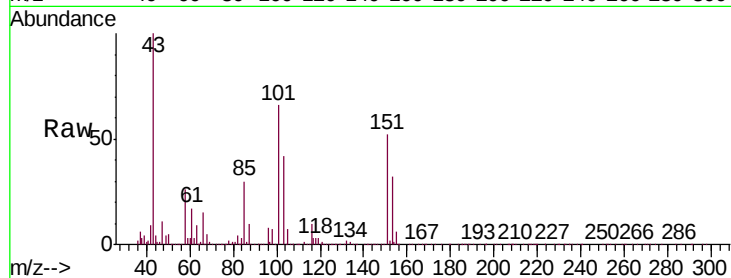
VSTD02086

Tgt Ion: 43 Resp: 873016

Ion Ratio Lower Upper

43 100

58 26.2 0.0 53.8



#14

Carbon disulfide

Concen: 18.535 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026434.D

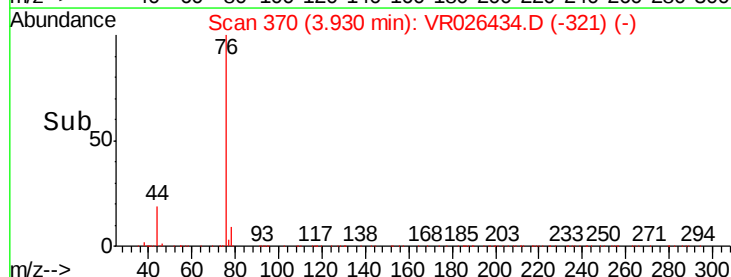
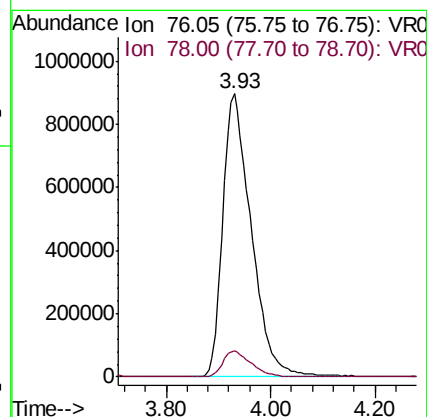
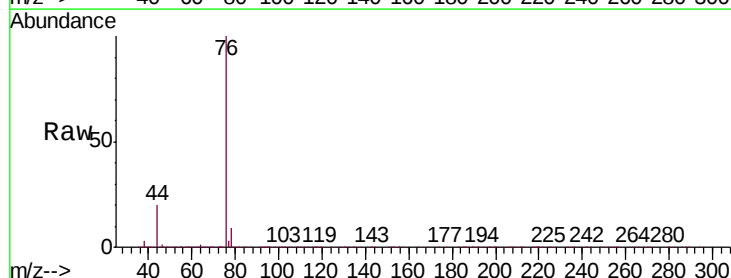
Acq: 3 Apr 2019 17:38

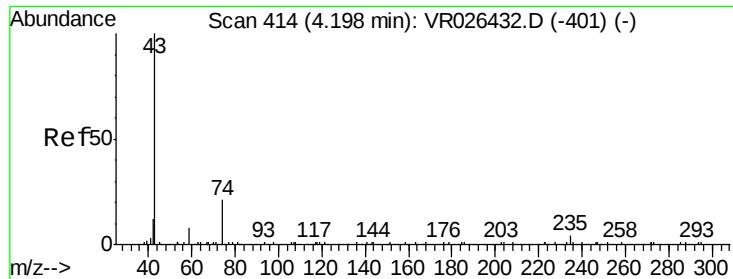
Tgt Ion: 76 Resp: 3431691

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5

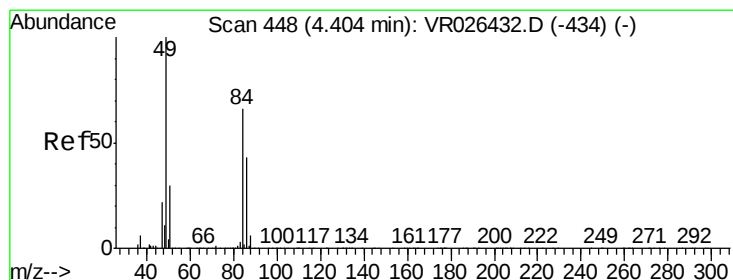
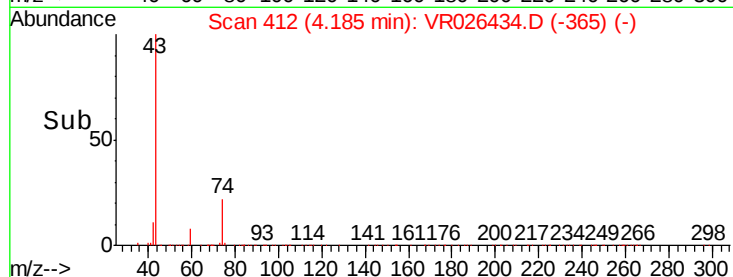
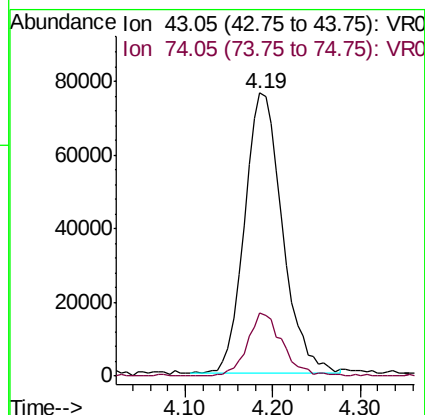
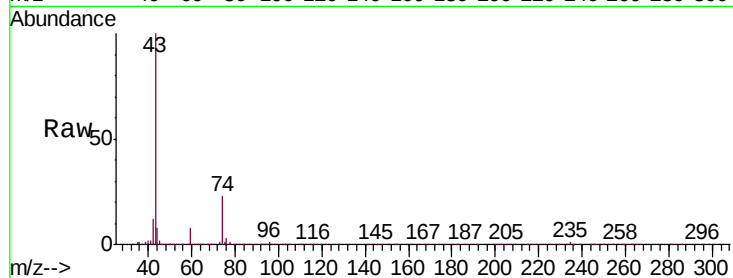




#15
Methyl Acetate
Concen: 18.757 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

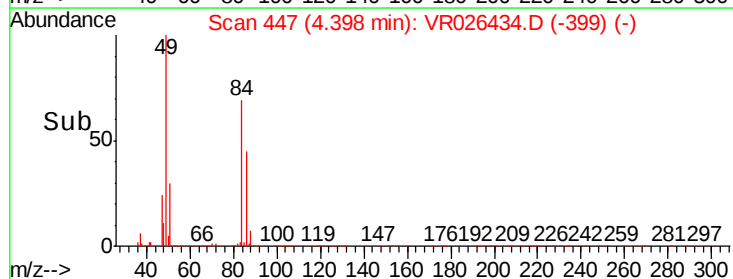
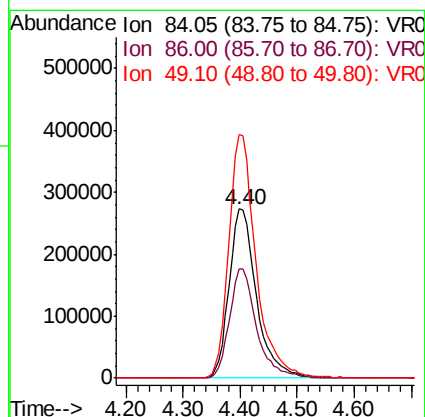
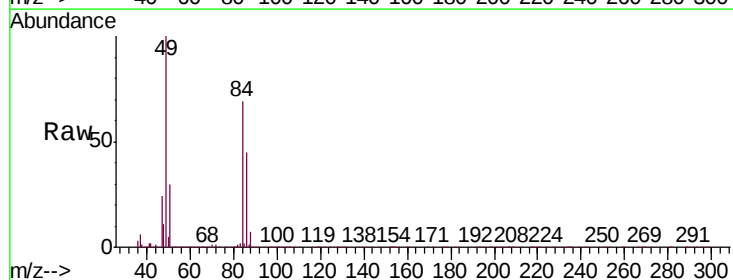
Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

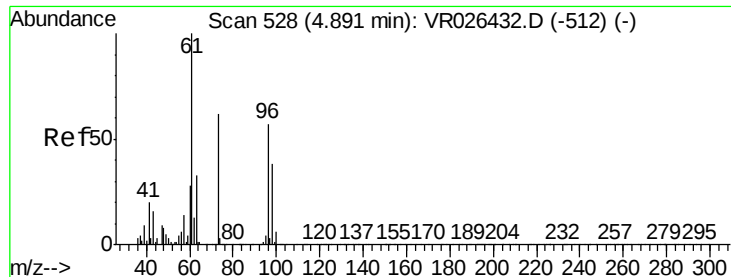
Tgt Ion: 43 Resp: 228992
Ion Ratio Lower Upper
43 100
74 21.0 17.5 26.3



#16
Methylene chloride
Concen: 17.725 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion: 84 Resp: 915751
Ion Ratio Lower Upper
84 100
86 64.7 45.6 84.6
49 144.2 106.5 197.9



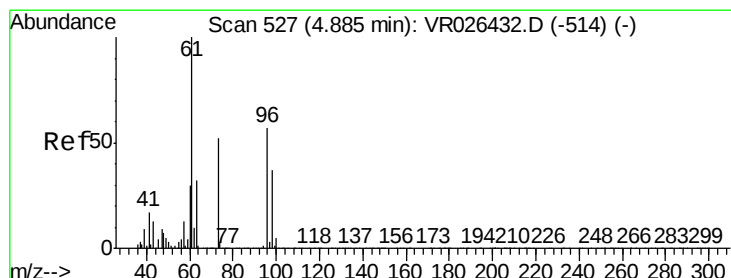
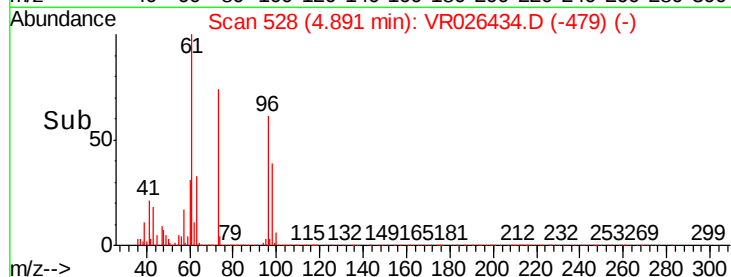
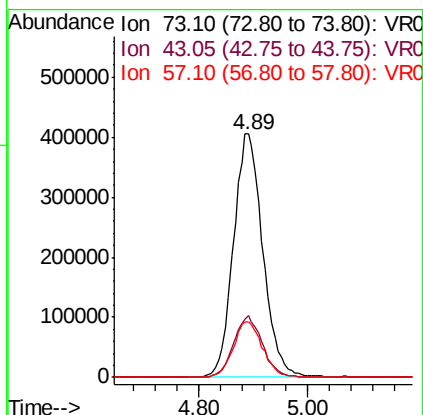
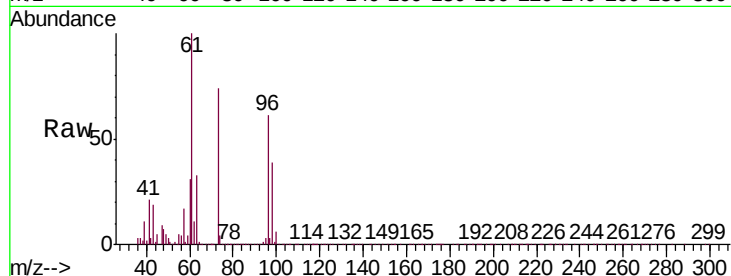


#17

Methyl tert-butyl Ether
Concen: 26.342 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

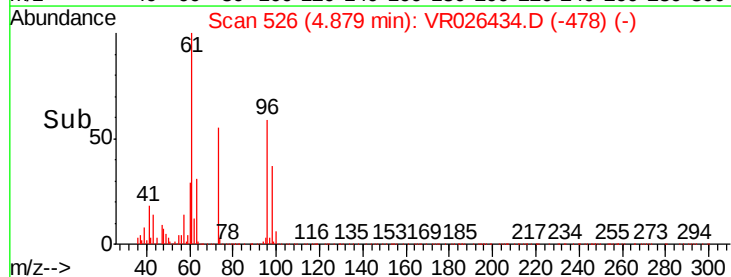
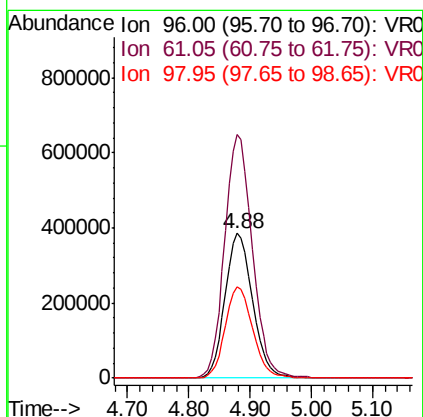
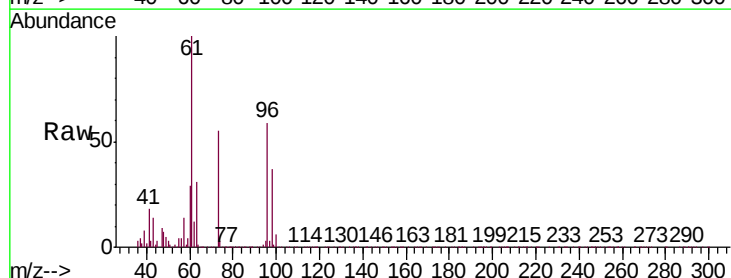
Tgt Ion: 73 Resp: 1520464
Ion Ratio Lower Upper
73 100
43 24.9 19.8 29.8
57 22.8 18.9 28.3

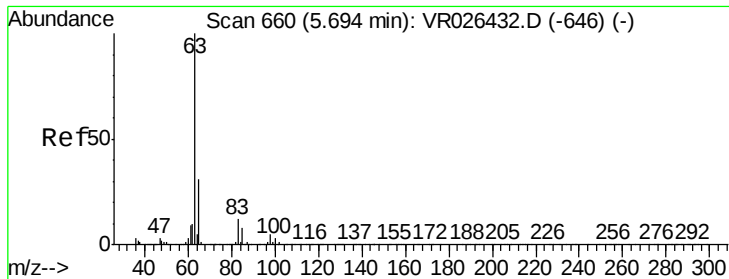


#18

trans-1,2-Dichloroethene
Concen: 22.036 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion: 96 Resp: 1194883
Ion Ratio Lower Upper
96 100
61 168.4 122.9 228.3
98 63.0 45.2 84.0





#19

1,1-Dichloroethane

Concen: 22.253 ug/L

RT: 5.69 min Scan# 659

Delta R.T. -0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

VSTD02086

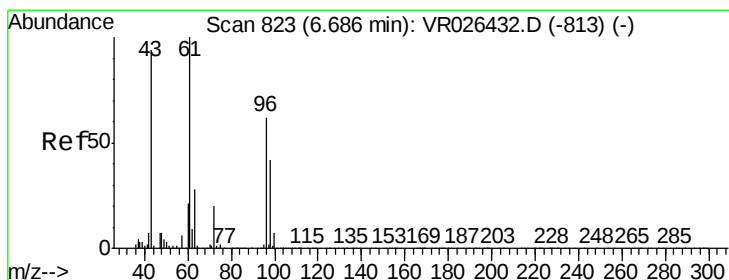
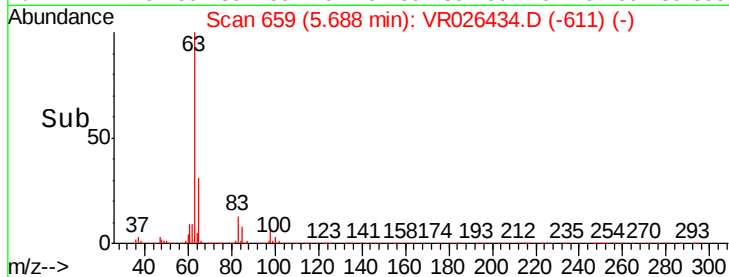
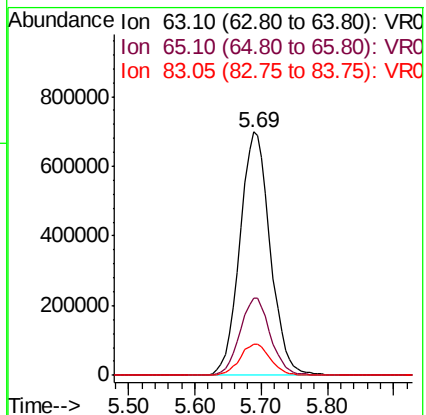
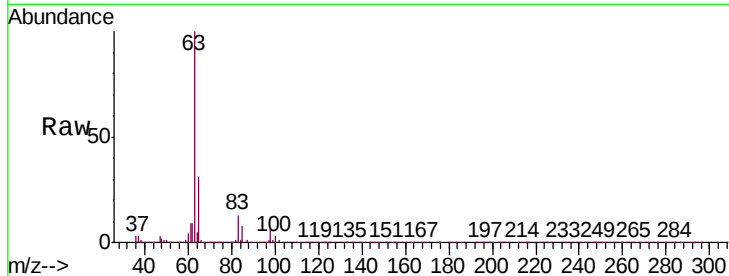
Tgt Ion: 63 Resp: 2223747

Ion Ratio Lower Upper

63 100

65 31.5 22.0 40.8

83 13.0 8.2 15.2



#21

2-Butanone

Concen: 259.006 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.00 min

Lab File: VR026434.D

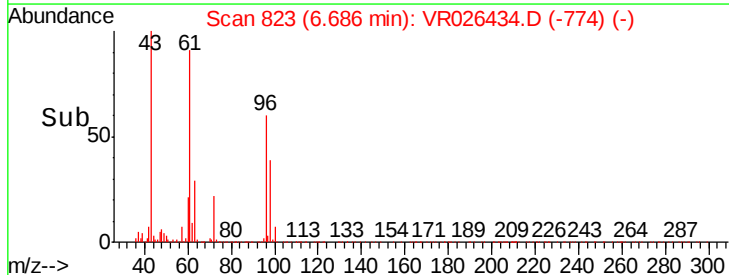
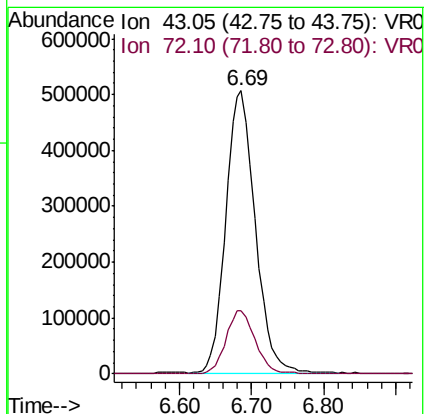
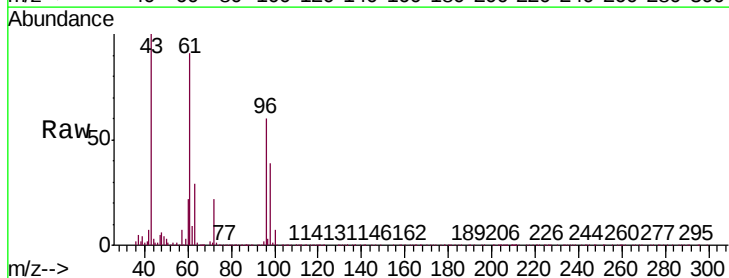
Acq: 3 Apr 2019 17:38

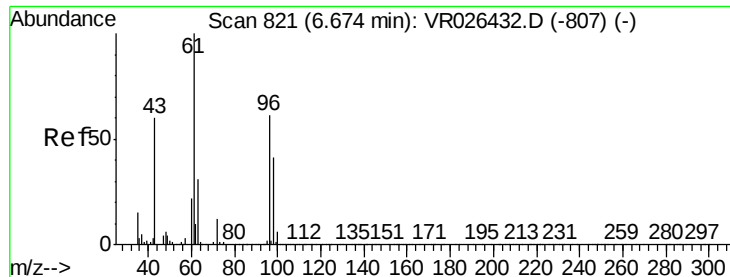
Tgt Ion: 43 Resp: 1430267

Ion Ratio Lower Upper

43 100

72 22.3 11.1 33.3



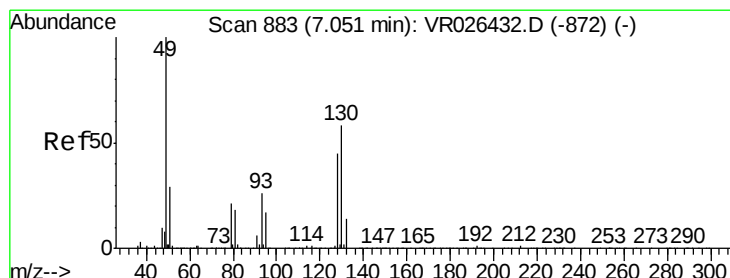
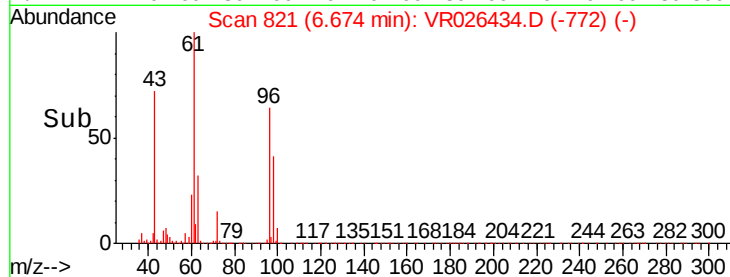
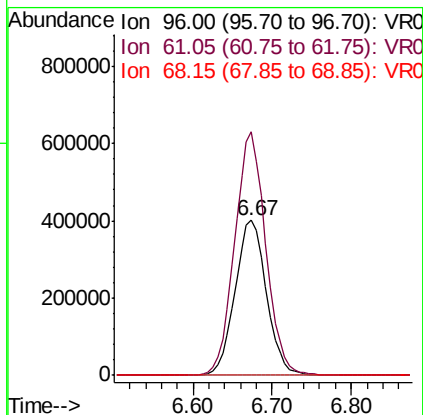
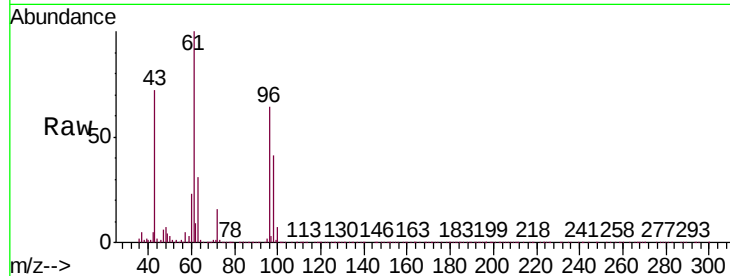


#22

cis-1,2-Dichloroethene
Concen: 24.435 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

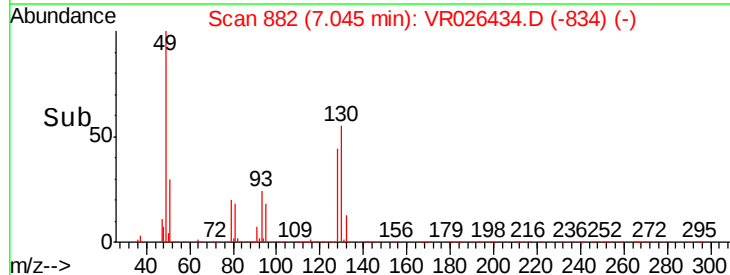
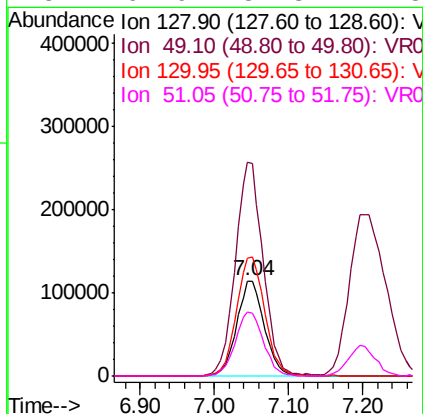
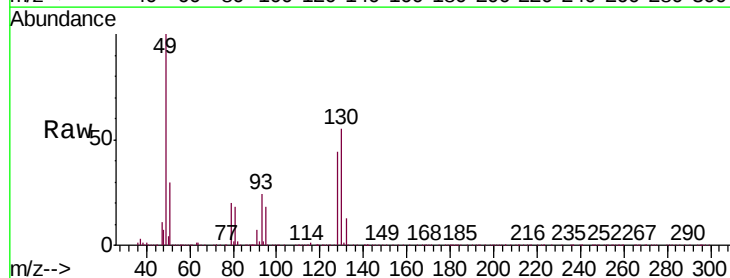
Tgt Ion: 96 Resp: 1106741
Ion Ratio Lower Upper
96 100
61 157.2 115.0 213.6
68 0.0 0.0 0.0#

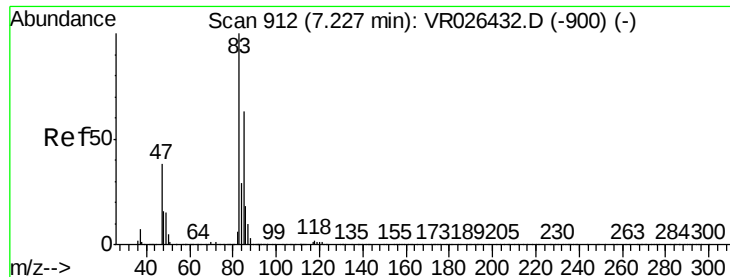


#23

Bromochloromethane
Concen: 20.989 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion: 128 Resp: 296427
Ion Ratio Lower Upper
128 100
49 225.1 158.3 293.9
130 124.6 90.0 167.2
51 67.9 51.8 77.8





#25

Chloroform

Concen: 22.122 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

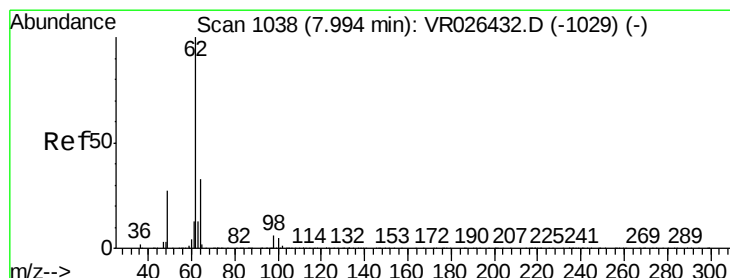
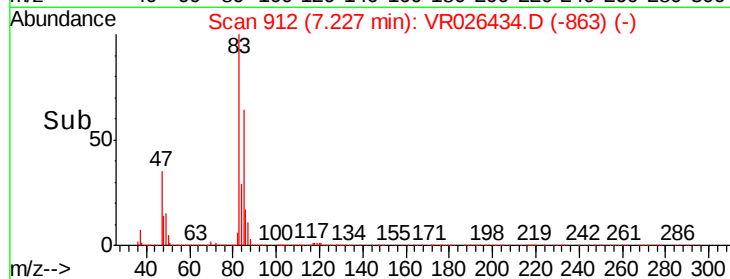
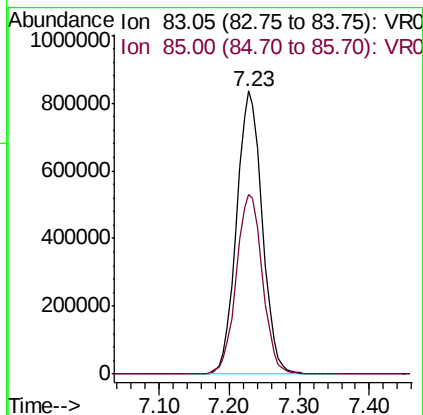
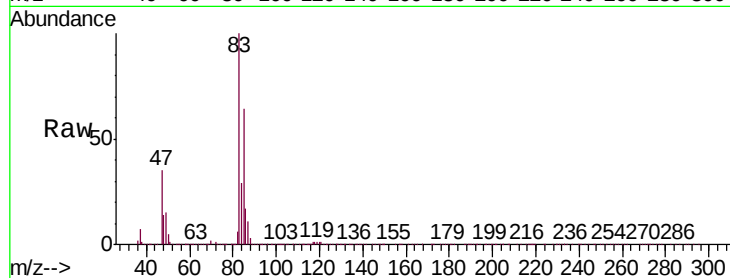
VSTD02086

Tgt Ion: 83 Resp: 2116490

Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0



#27

1,2-Dichloroethane

Concen: 22.575 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026434.D

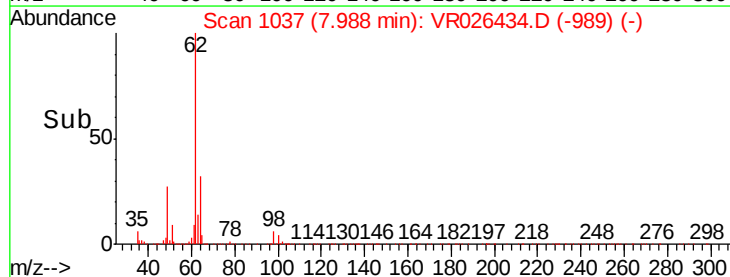
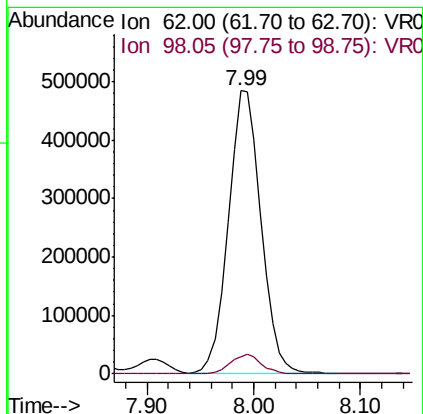
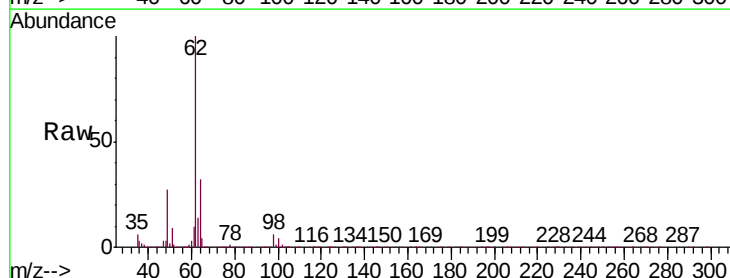
Acq: 3 Apr 2019 17:38

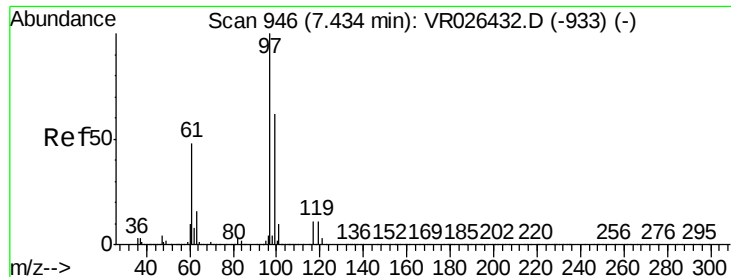
Tgt Ion: 62 Resp: 1032851

Ion Ratio Lower Upper

62 100

98 6.2 4.8 7.2





#29

1,1,1-Trichloroethane

Concen: 22.535 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

VSTD02086

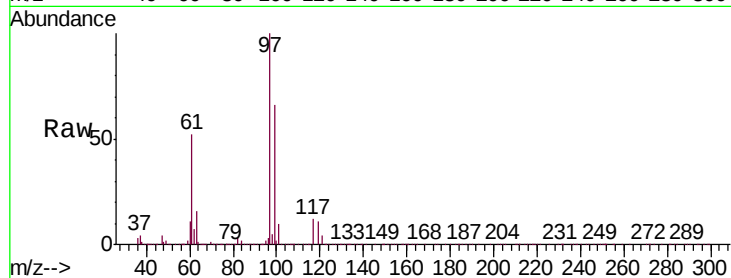
Tgt Ion: 97 Resp: 1954956

Ion Ratio Lower Upper

97 100

99 63.9 49.6 74.4

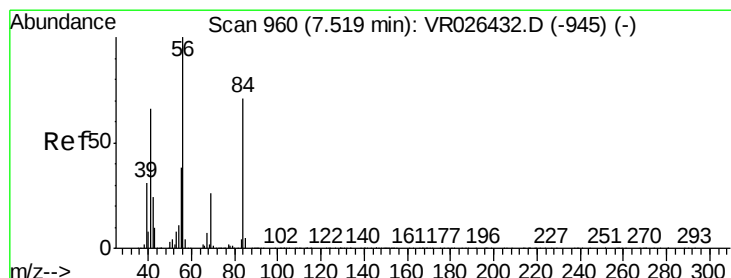
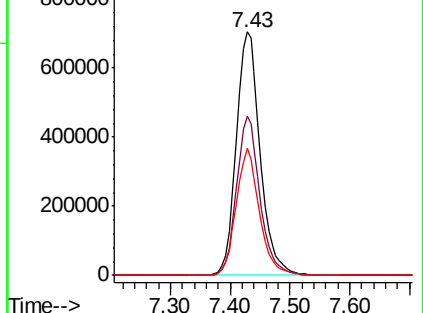
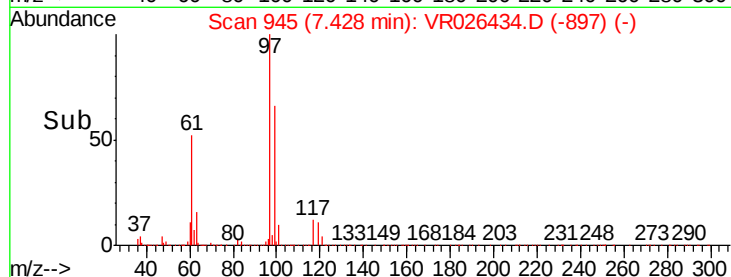
61 50.8 41.8 62.6



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: 25.796 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

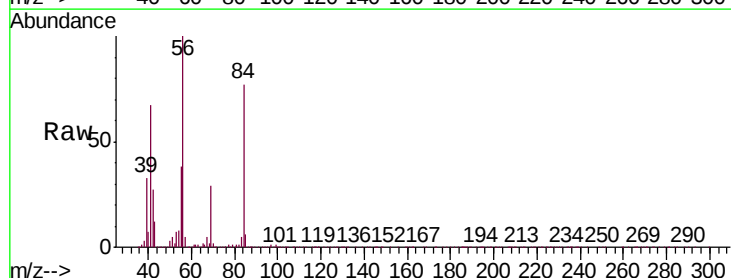
Tgt Ion: 56 Resp: 2121184

Ion Ratio Lower Upper

56 100

69 29.1 22.6 33.8

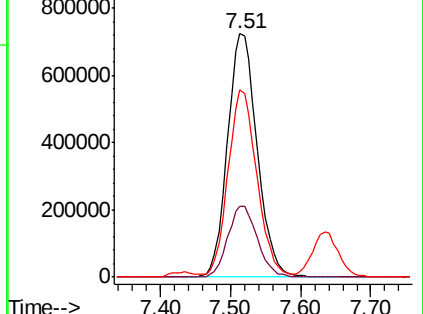
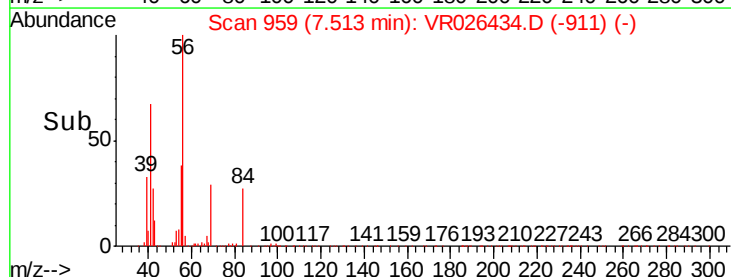
84 75.2 59.6 89.4

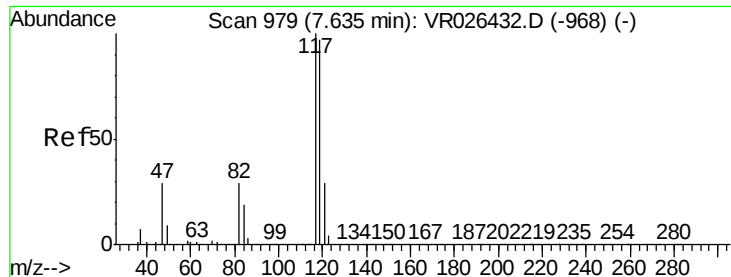


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

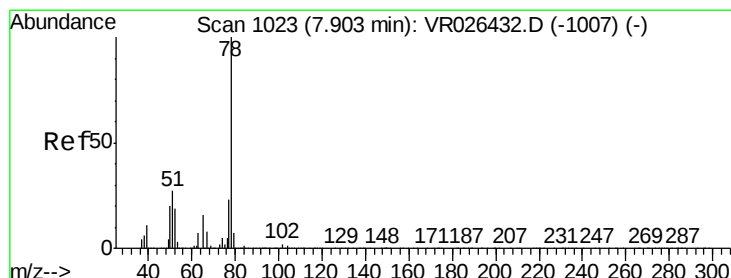
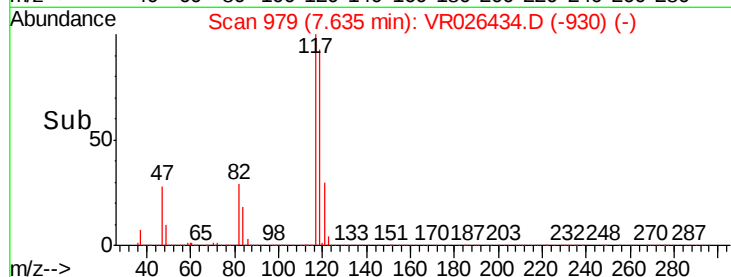
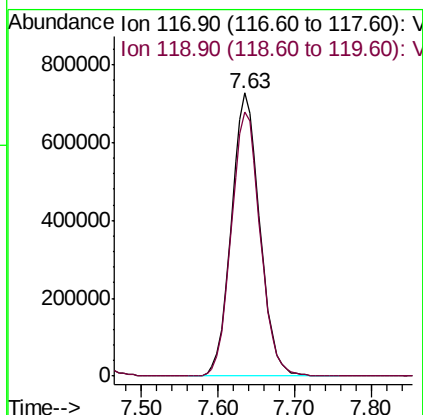
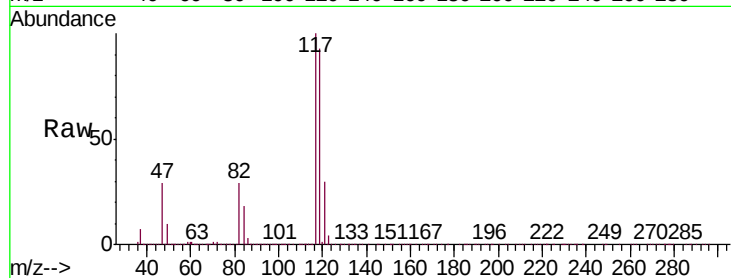




#31
Carbon tetrachloride
Concen: 22.997 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

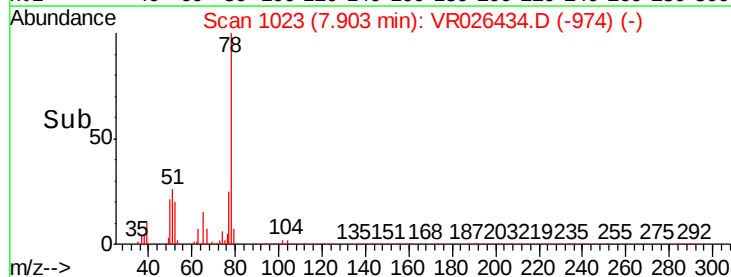
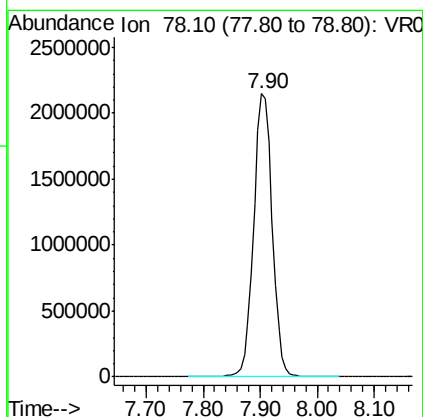
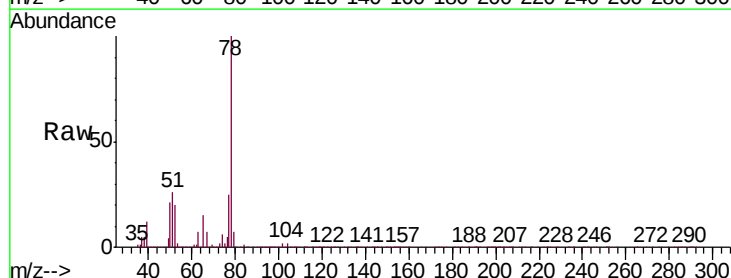
Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

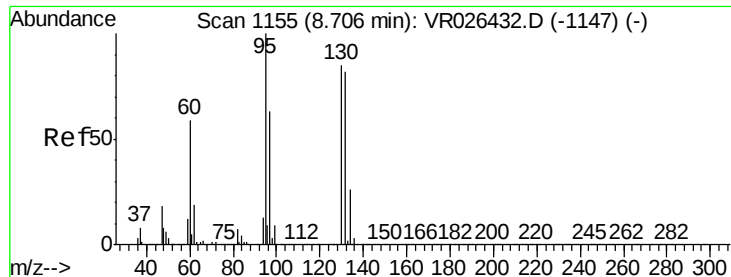
Tgt Ion:117 Resp: 1856550
Ion Ratio Lower Upper
117 100
119 95.4 75.9 113.9



#33
Benzene
Concen: 21.608 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion: 78 Resp: 4851148

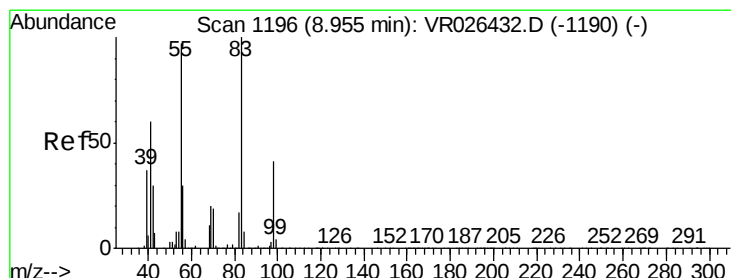
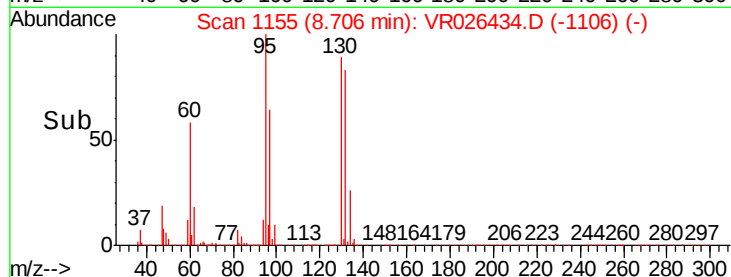
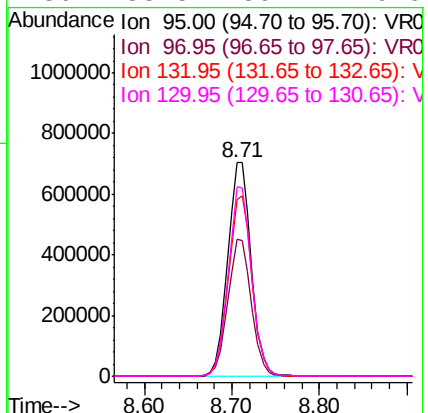
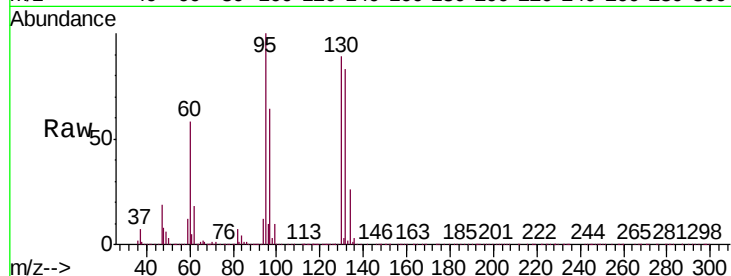




#34
 Trichloroethene
 Concen: 23.095 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

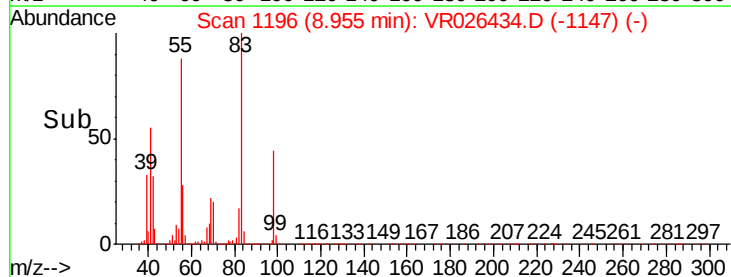
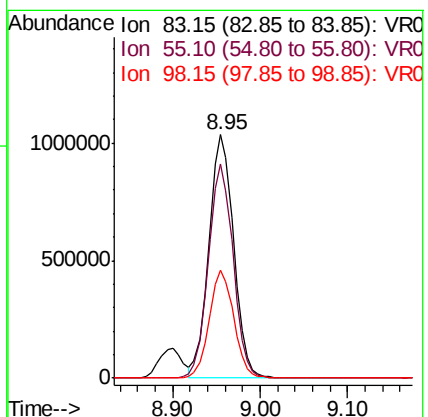
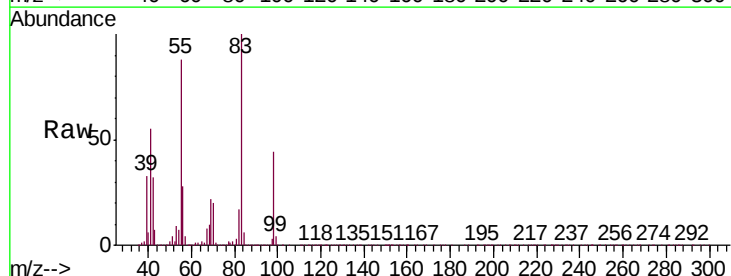
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

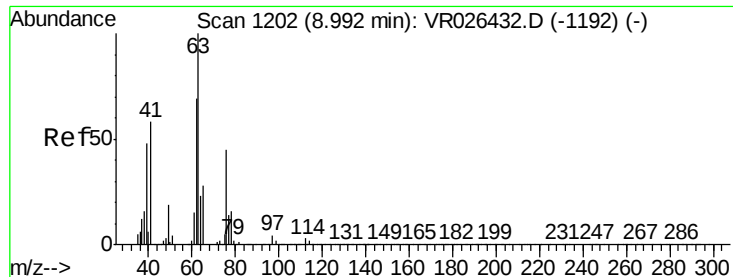
Tgt Ion: 95 Resp: 1312556
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.8 81.3
 132 83.0 57.2 106.2
 130 88.5 59.7 110.9



#35
 Methylcyclohexane
 Concen: 25.046 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion: 83 Resp: 2033622
 Ion Ratio Lower Upper
 83 100
 55 88.2 73.8 110.6
 98 44.2 34.6 51.8

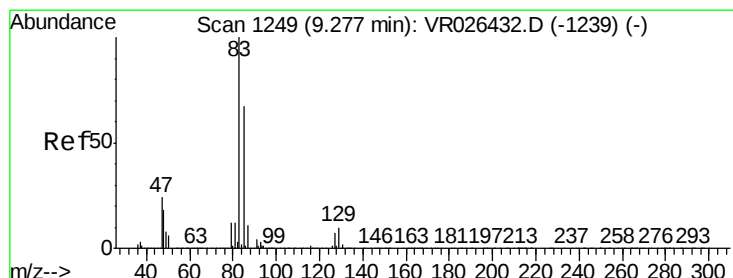
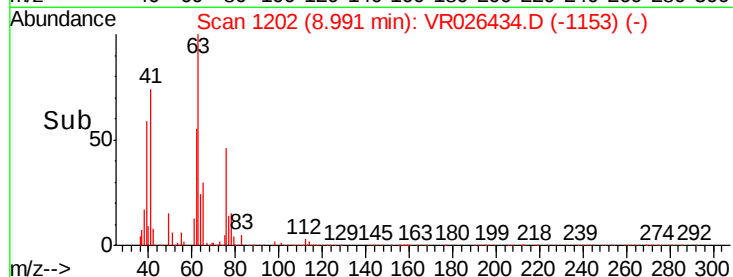
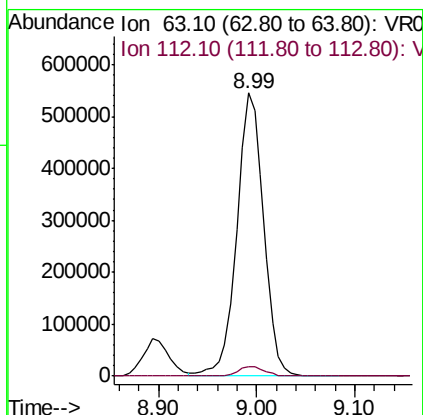
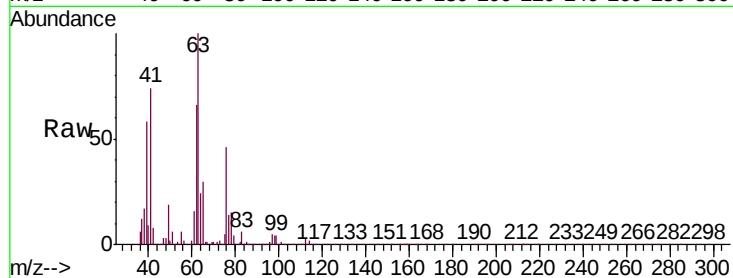




#37
 1,2-Dichloropropane
 Concen: 21.631 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

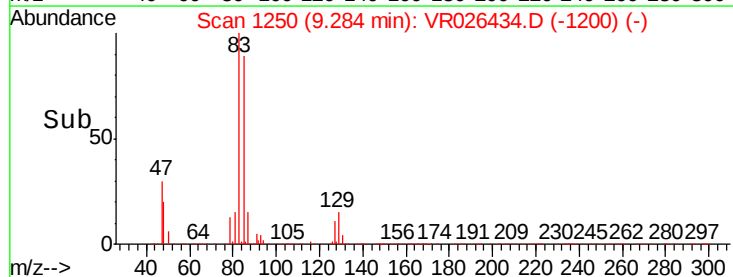
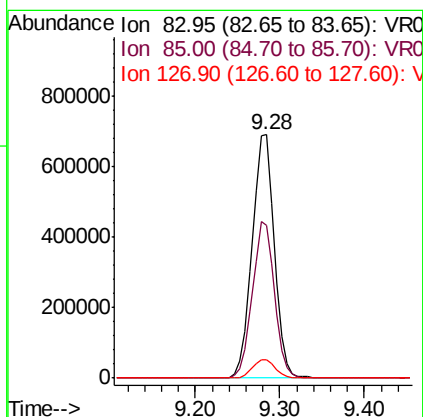
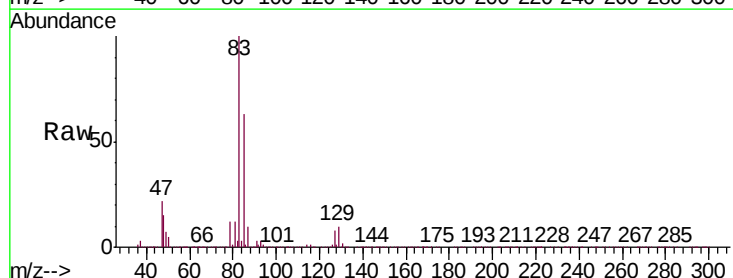
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

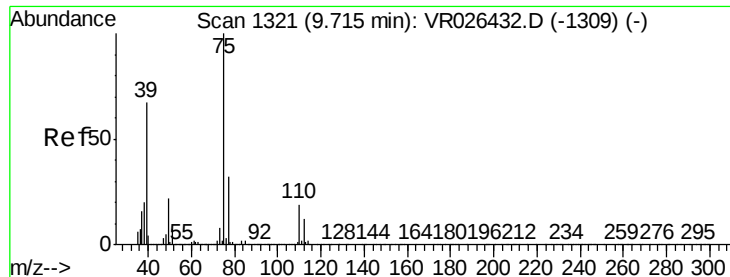
Tgt Ion: 63 Resp: 1030289
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.8 4.2



#38
 Bromodichloromethane
 Concen: 22.404 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion: 83 Resp: 1227402
 Ion Ratio Lower Upper
 83 100
 85 62.7 46.6 86.6
 127 7.7 5.6 8.4



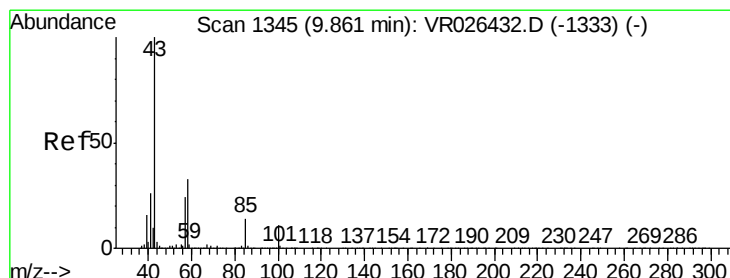
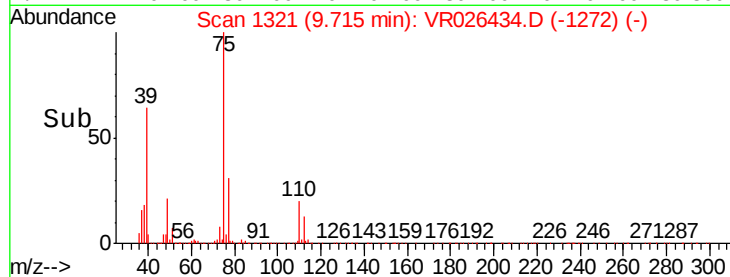
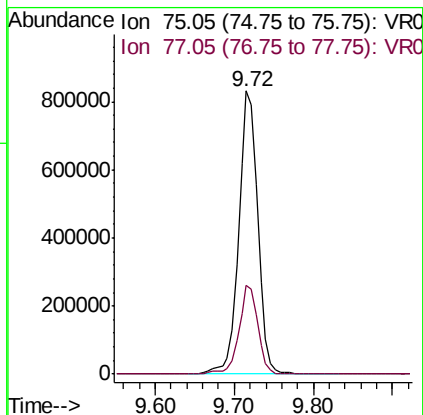
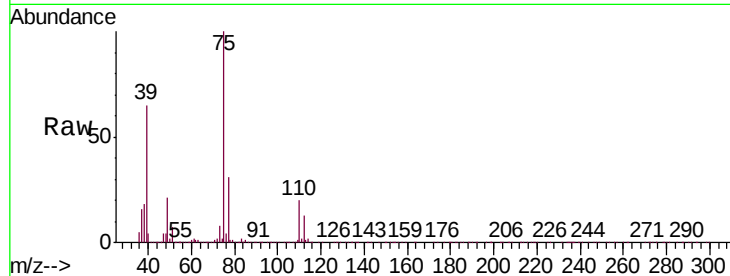


#39

cis-1,3-Dichloropropene
 Concen: 26.485 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

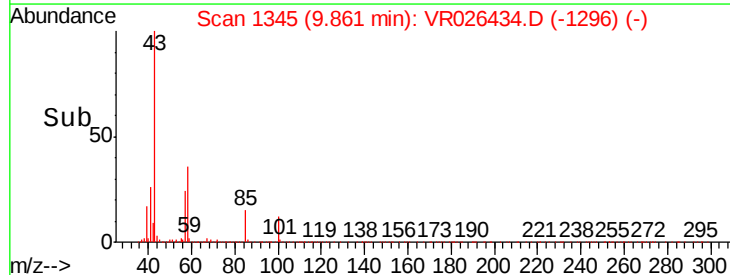
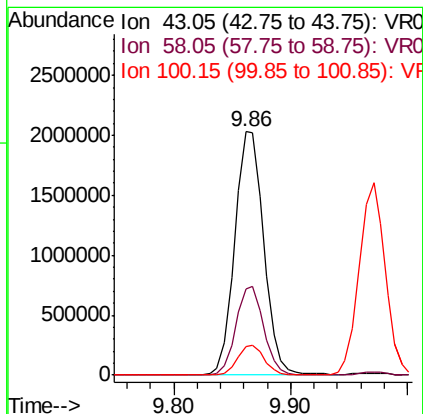
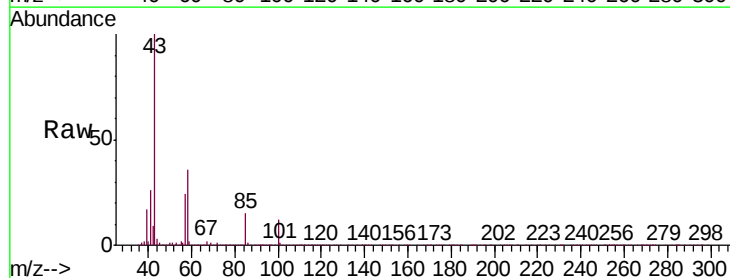
Tgt Ion: 75 Resp: 1393581
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5

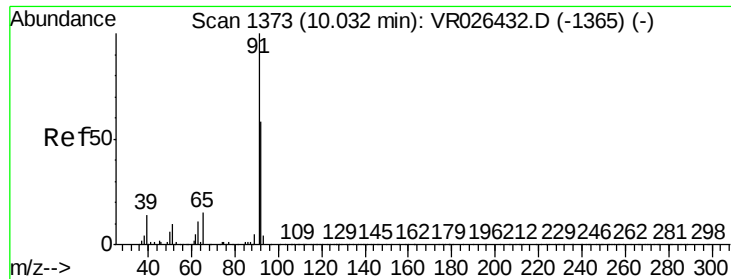


#40

4-Methyl-2-pentanone
 Concen: 267.093 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion: 43 Resp: 3527014
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.0 40.4
 100 11.5 8.9 13.3





#42

Toluene

Concen: 22.723 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

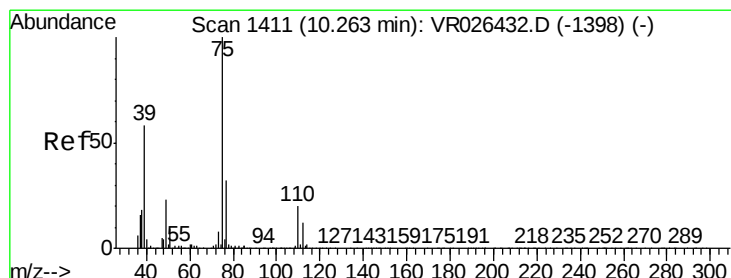
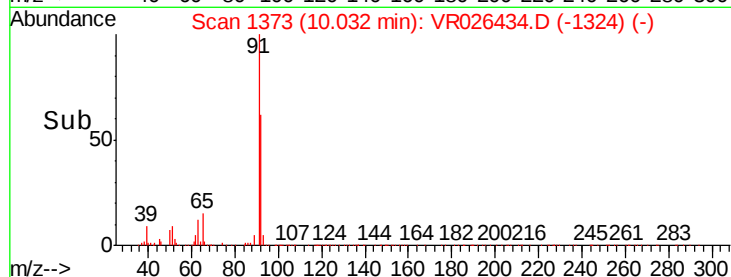
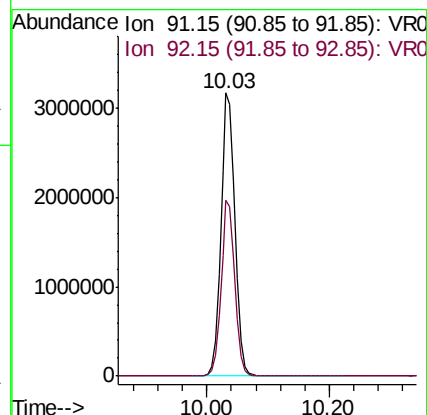
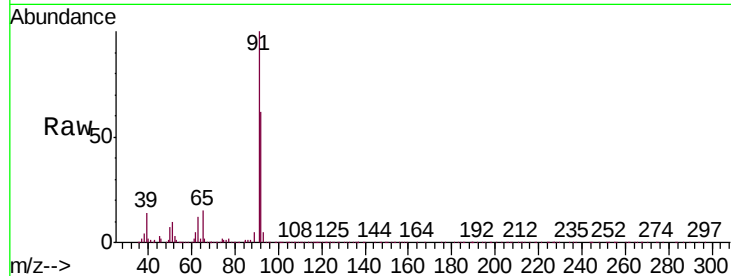
VSTD02086

Tgt Ion: 91 Resp: 5138889

Ion Ratio Lower Upper

91 100

92 62.0 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 25.663 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026434.D

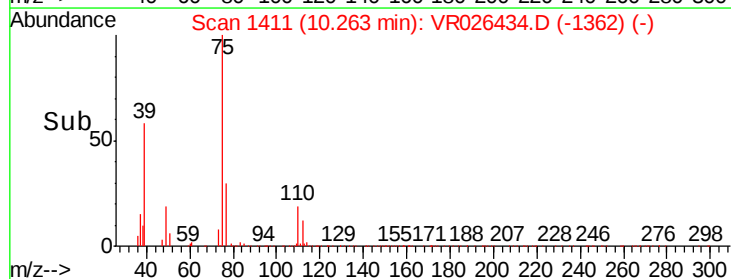
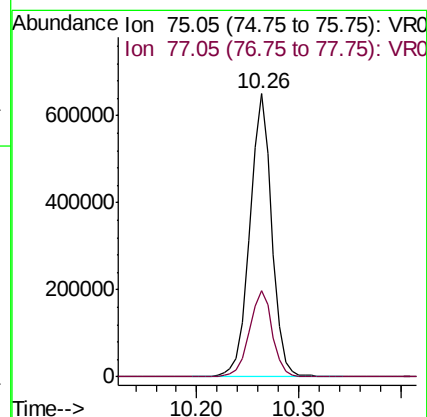
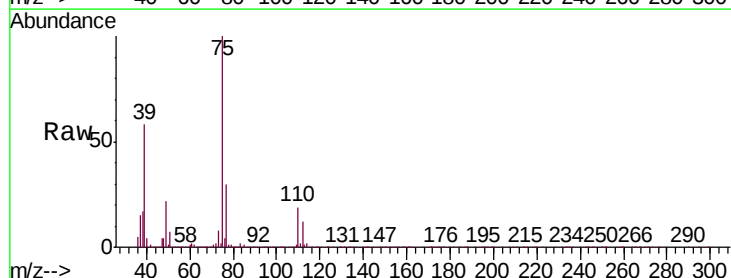
Acq: 3 Apr 2019 17:38

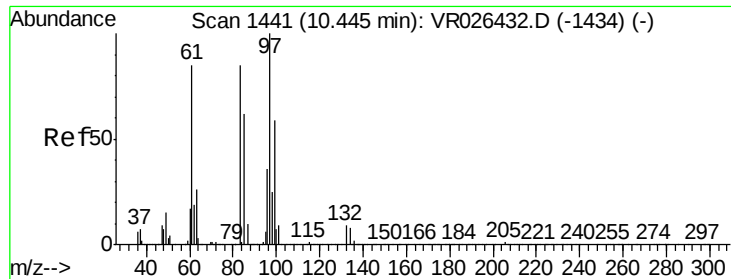
Tgt Ion: 75 Resp: 974929

Ion Ratio Lower Upper

75 100

77 30.5 22.7 42.1

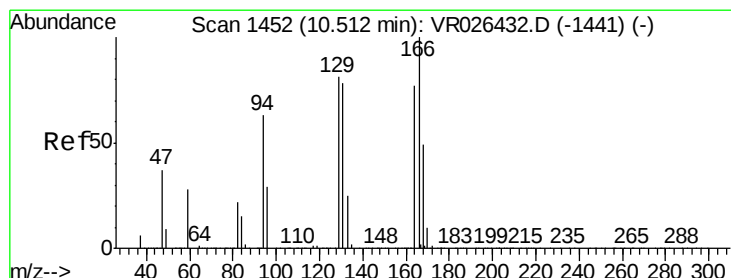
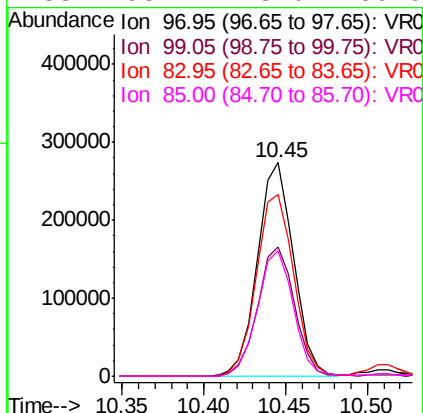
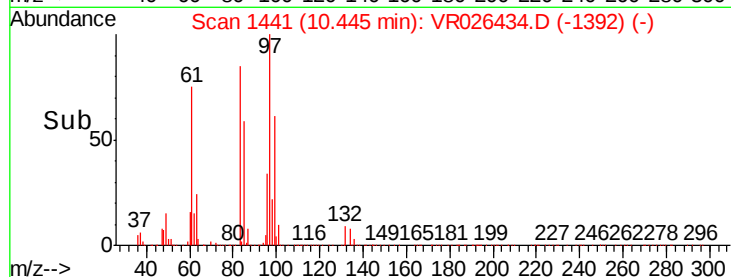
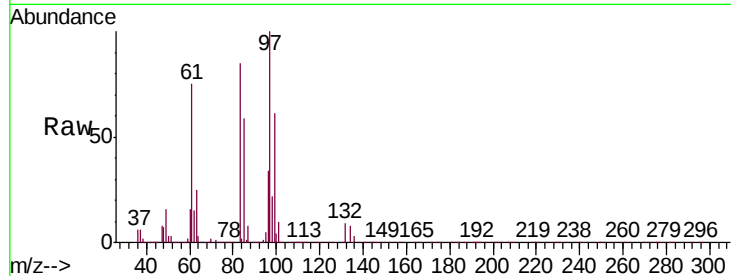




#45
 1,1,2-Trichloroethane
 Concen: 21.393 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

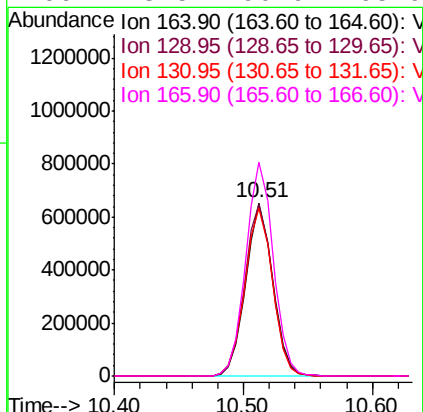
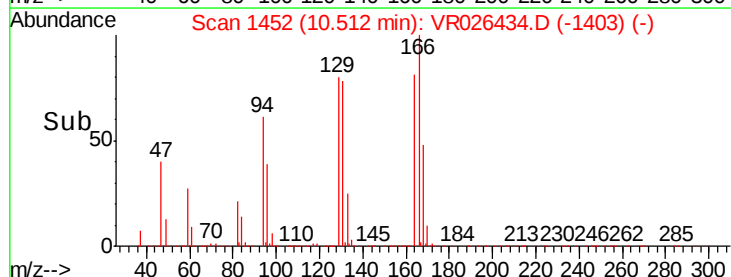
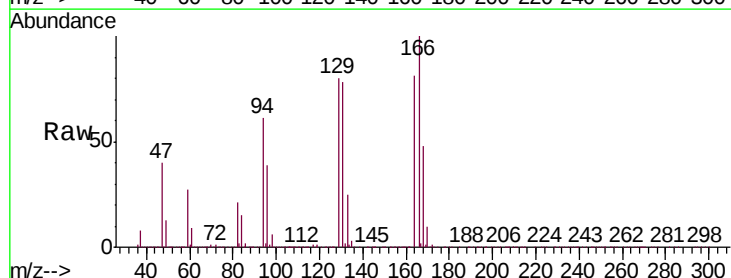
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

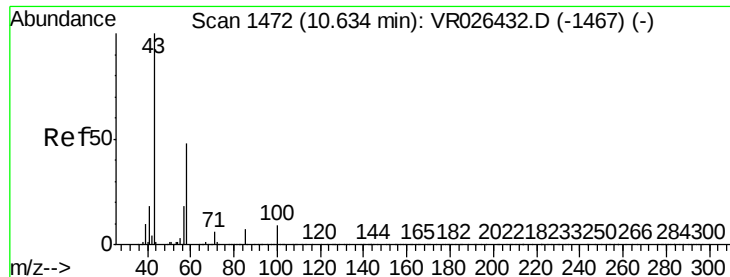
Tgt Ion:	97	Resp:	420479
Ion	Ratio	Lower	Upper
97	100		
99	60.7	41.7	77.5
83	85.2	59.5	110.5
85	58.7	43.0	80.0



#47
 Tetrachloroethene
 Concen: 22.993 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion:	164	Resp:	941800
Ion	Ratio	Lower	Upper
164	100		
129	99.1	74.1	137.5
131	96.9	71.3	132.5
166	123.5	90.9	168.9



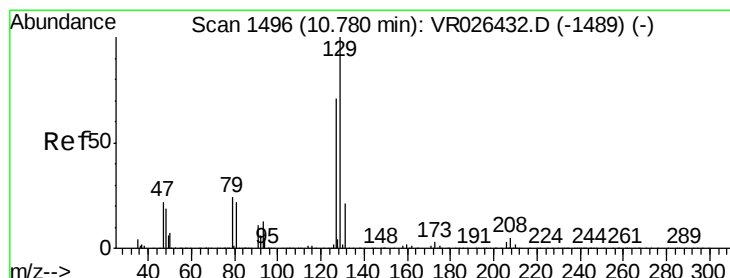
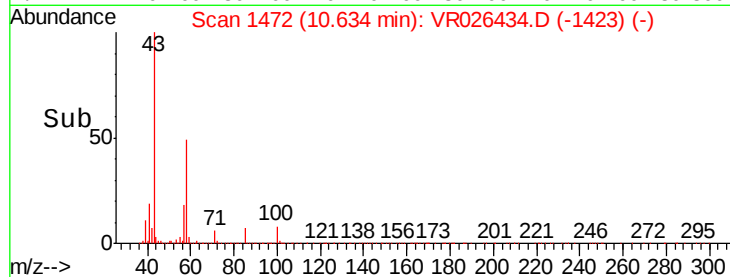
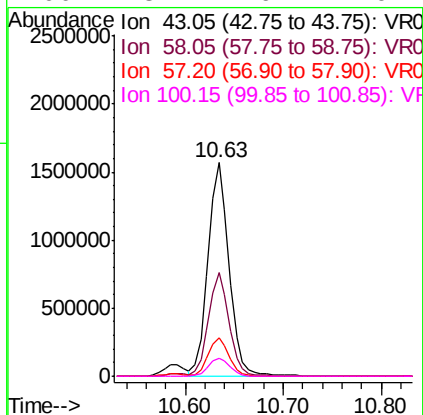
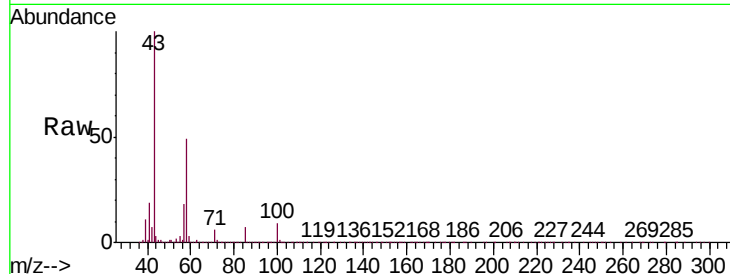


#48
2-Hexanone
Concen: 255.176 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

Tgt Ion: 43 Resp: 2325549

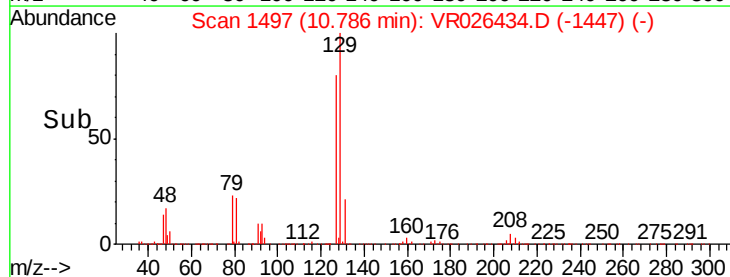
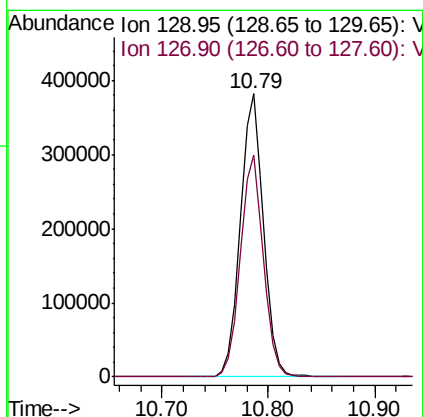
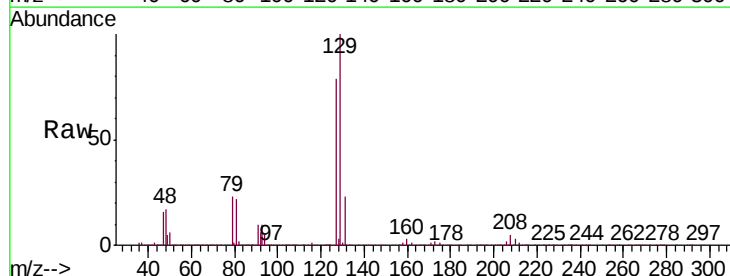
Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.2	57.2
57	18.0	13.8	20.6
100	8.7	6.2	9.2

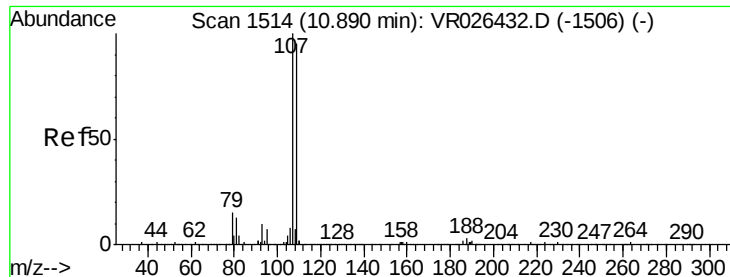


#49
Dibromochloromethane
Concen: 23.702 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion: 129 Resp: 580838

Ion	Ratio	Lower	Upper
129	100		
127	78.6	50.2	93.2

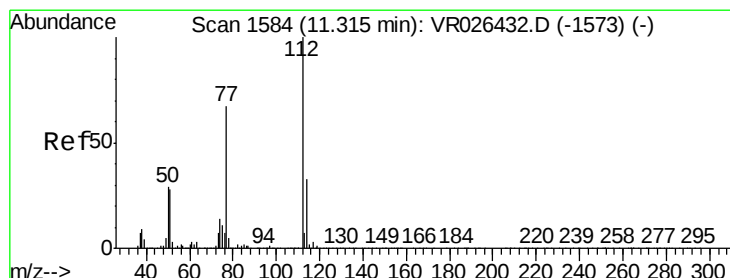
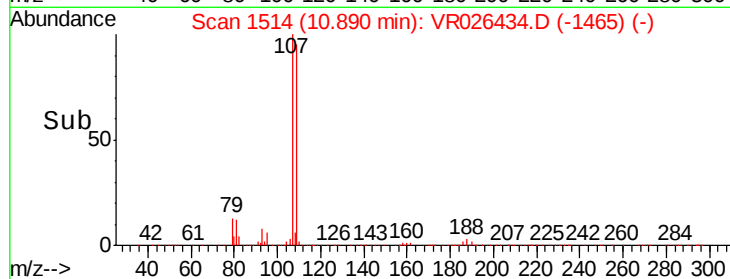
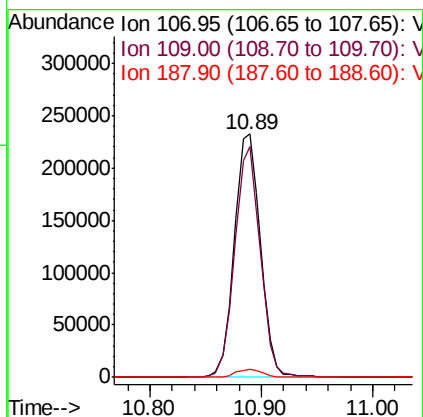
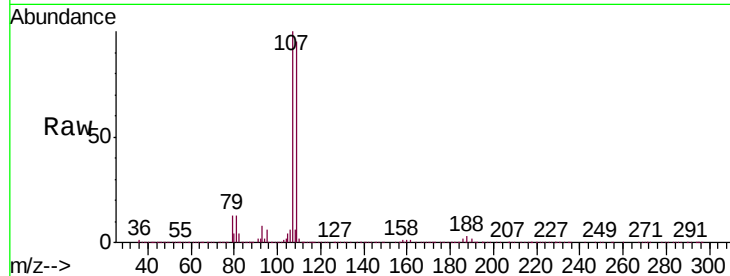




#50
1,2-Dibromoethane
Concen: 24.004 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

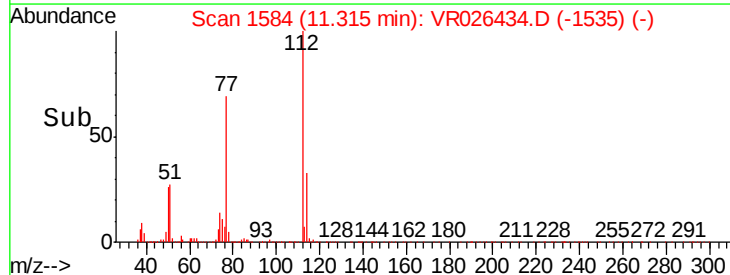
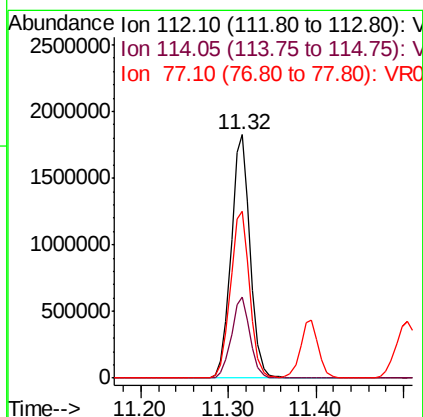
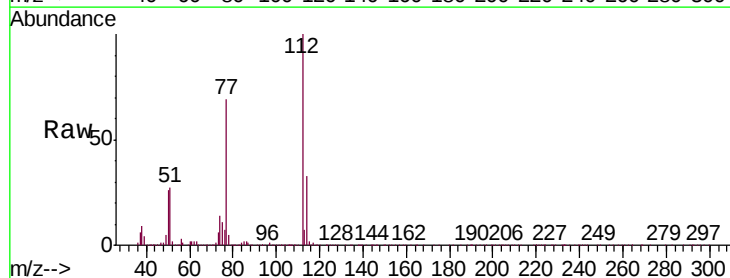
Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

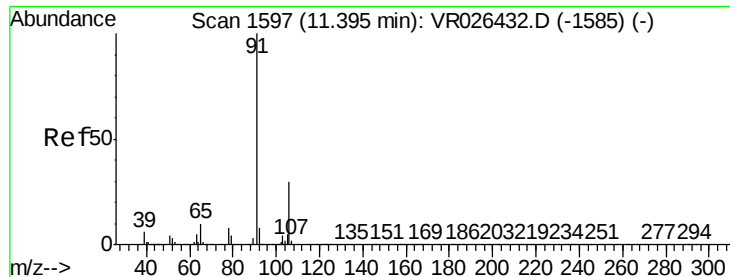
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.8	124.2
188	3.1	2.8	4.2



#51
Chlorobenzene
Concen: 22.290 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	23.1	42.9
77	68.5	53.8	80.8





#52

Ethylbenzene

Concen: 22.907 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

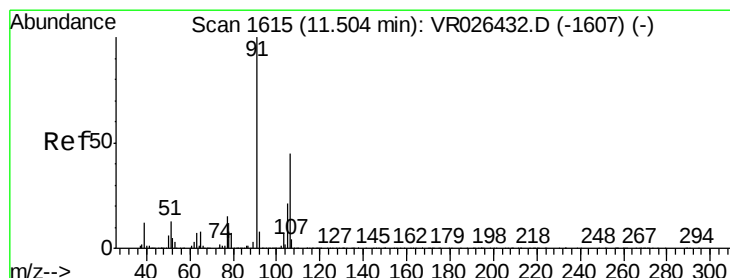
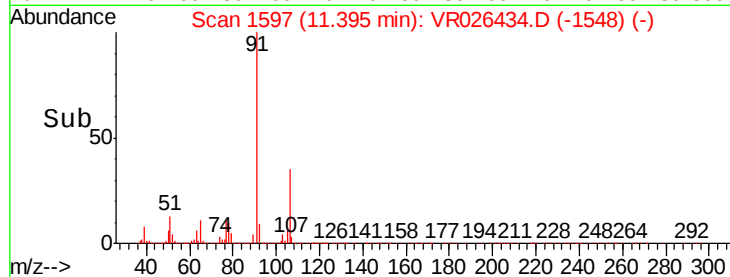
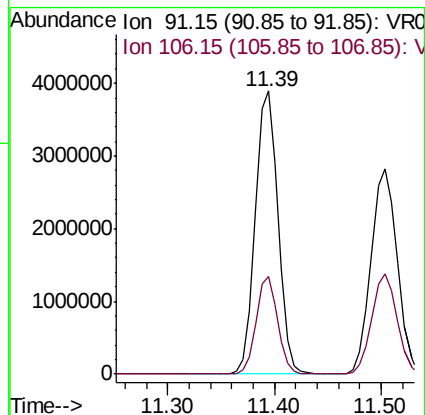
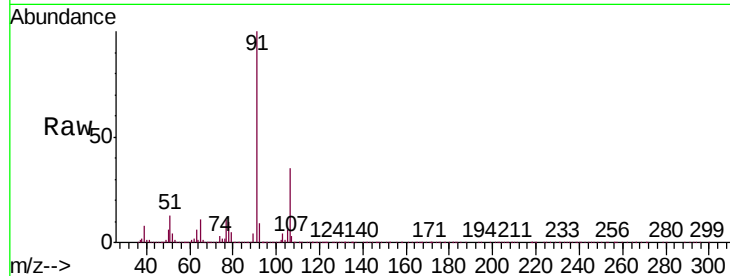
VSTD02086

Tgt Ion: 91 Resp: 5830199

Ion Ratio Lower Upper

91 100

106 34.6 20.7 38.5



#53

m,p-Xylene

Concen: 25.519 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026434.D

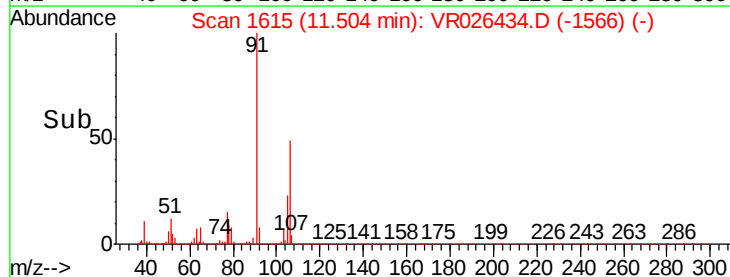
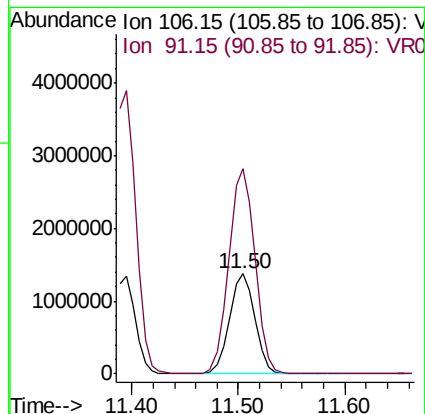
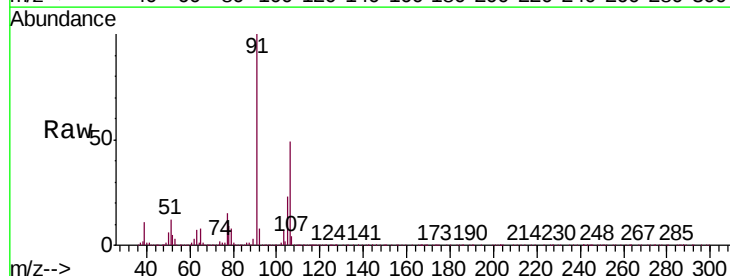
Acq: 3 Apr 2019 17:38

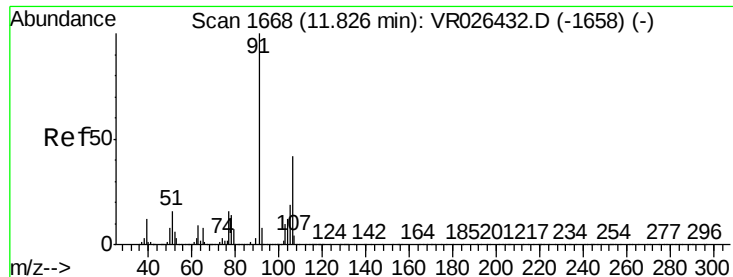
Tgt Ion: 106 Resp: 2299857

Ion Ratio Lower Upper

106 100

91 205.3 155.6 289.0

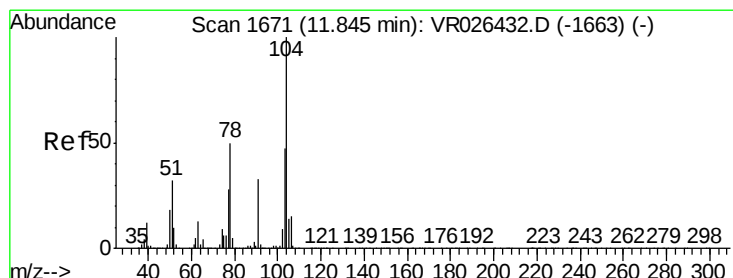
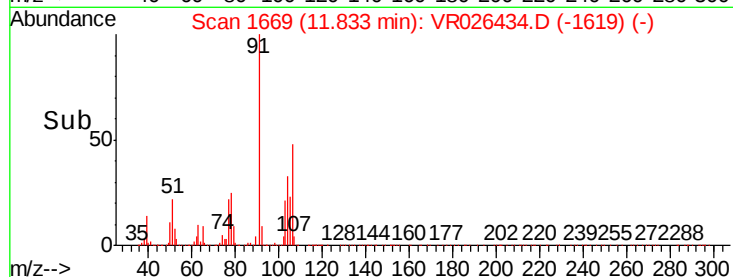
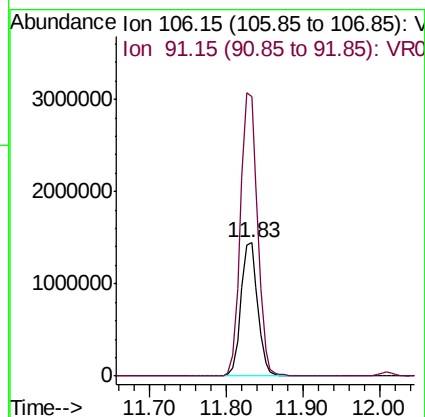
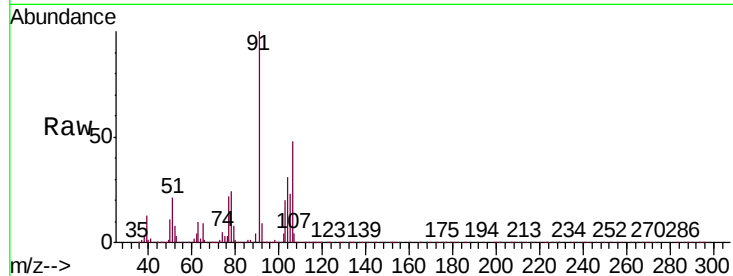




#54
o-Xylene
Concen: 27.431 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

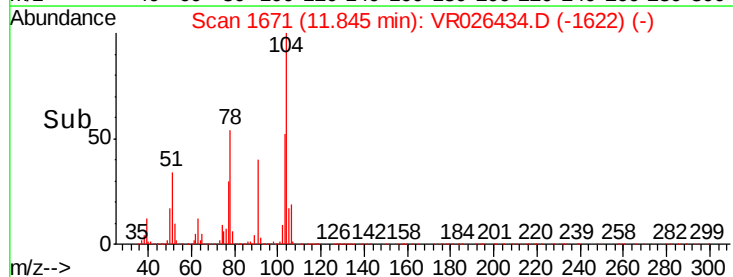
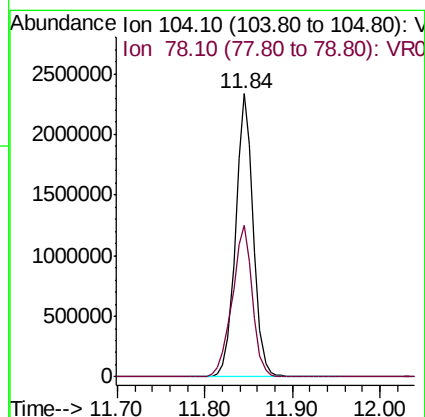
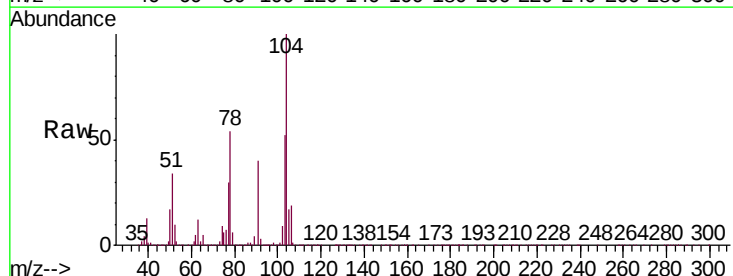
Instrument :
MSVOA_R
ClientSampleId :
VSTD02086

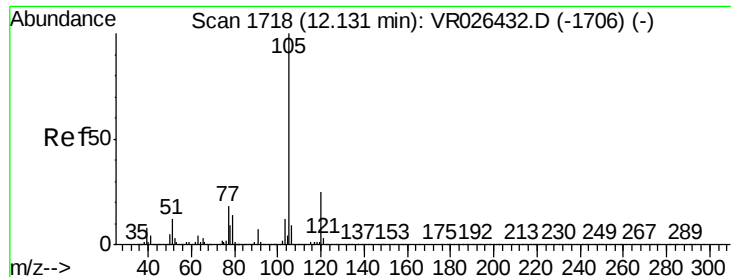
Tgt Ion:106 Resp: 2175584
Ion Ratio Lower Upper
106 100
91 209.7 166.2 308.6



#55
Styrene
Concen: 26.280 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026434.D
Acq: 3 Apr 2019 17:38

Tgt Ion:104 Resp: 3300390
Ion Ratio Lower Upper
104 100
78 53.6 35.2 65.4





#56

Isopropylbenzene

Concen: 25.089 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampled :

VSTD02086

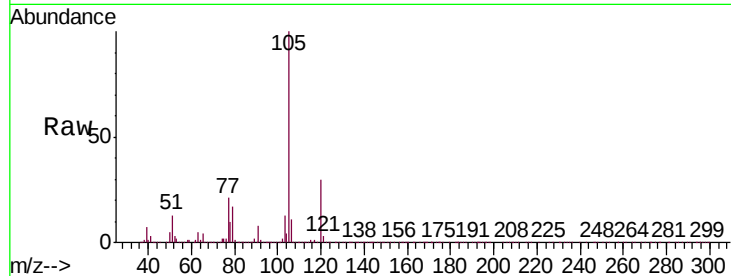
Tgt Ion:105 Resp: 5660758

Ion Ratio Lower Upper

105 100

120 28.2 20.2 30.2

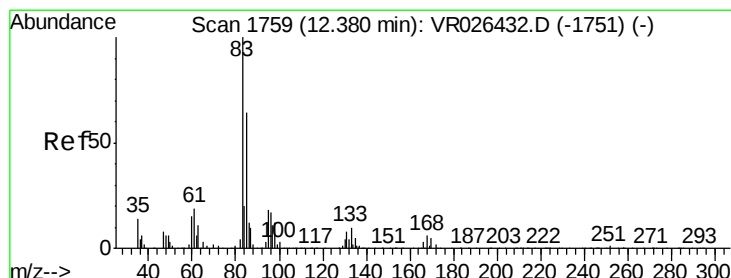
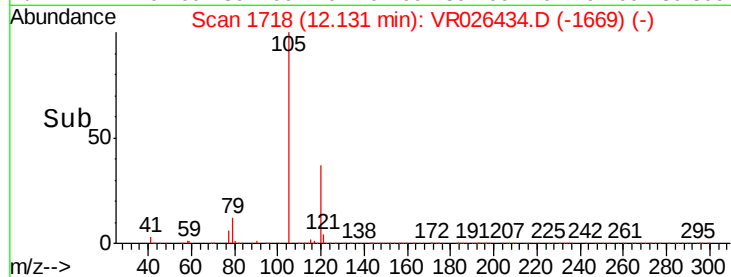
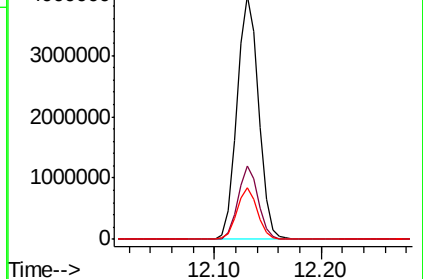
77 20.1 14.7 22.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.479 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

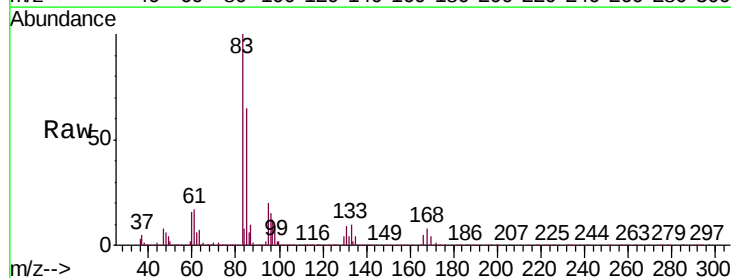
Tgt Ion: 83 Resp: 403870

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

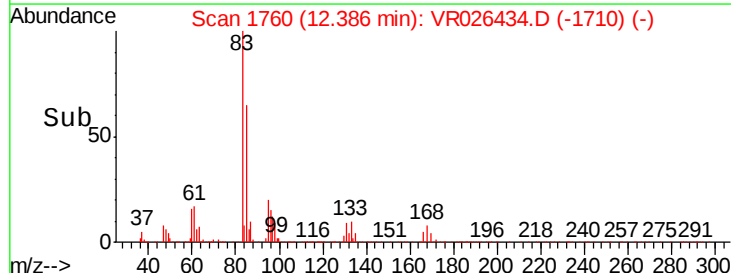
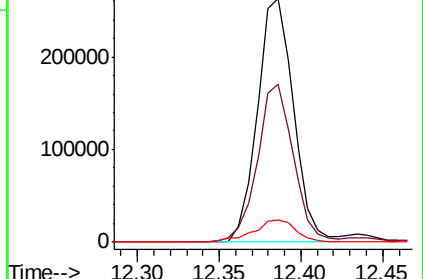
131 9.3 6.9 10.3

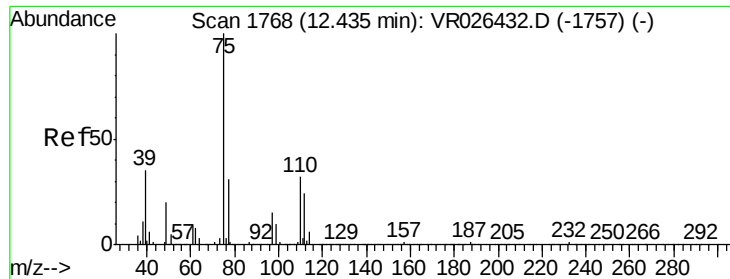


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 23.025 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

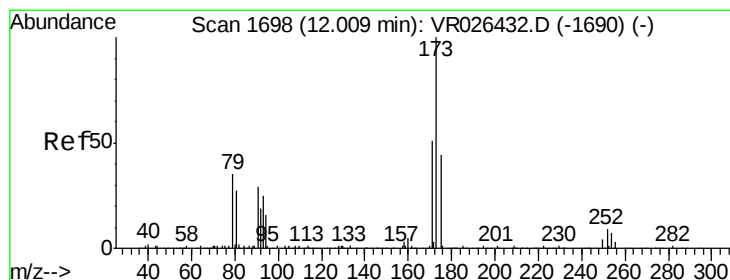
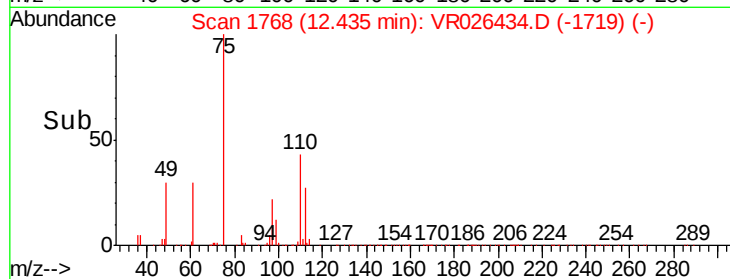
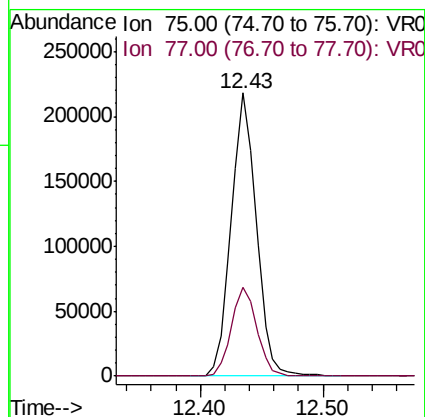
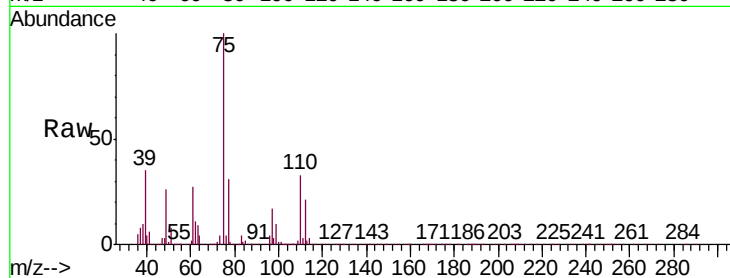
VSTD02086

Tgt Ion: 75 Resp: 308290

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



#61

Bromoform

Concen: 21.229 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

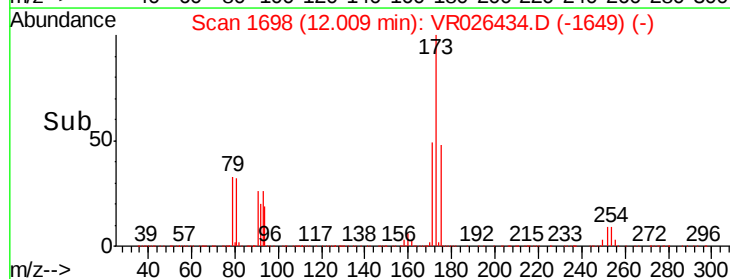
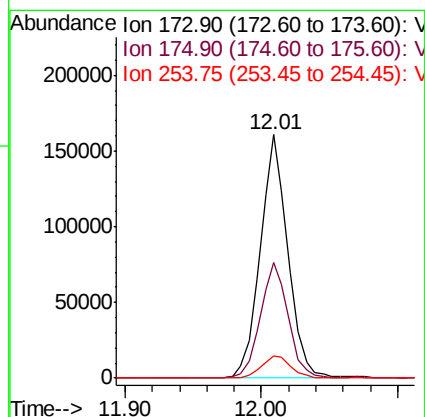
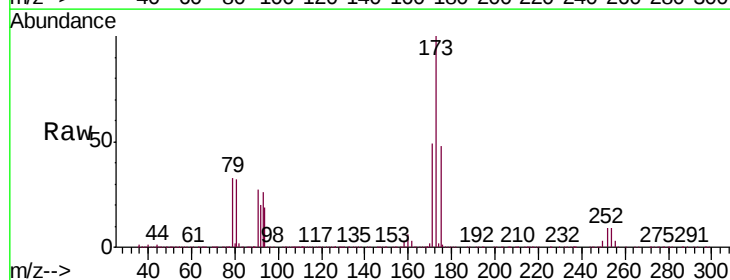
Tgt Ion: 173 Resp: 227947

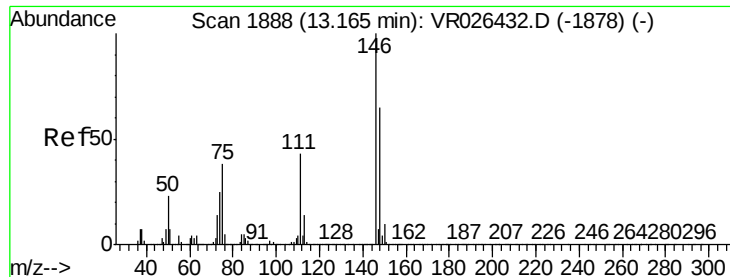
Ion Ratio Lower Upper

173 100

175 48.0 36.6 54.8

254 10.0 8.0 12.0

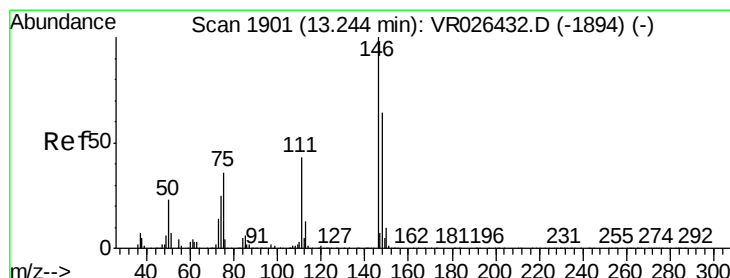
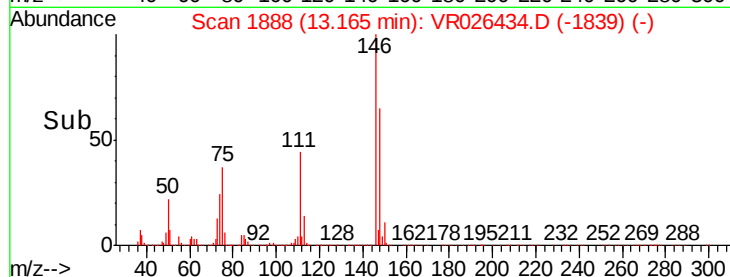
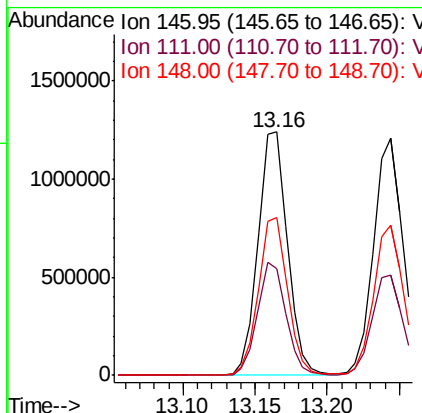
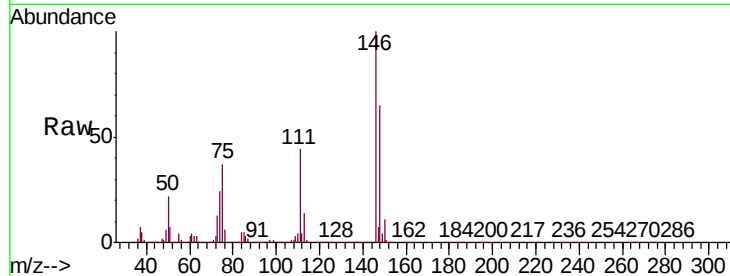




#62
 1,3-Dichlorobenzene
 Concen: 24.275 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

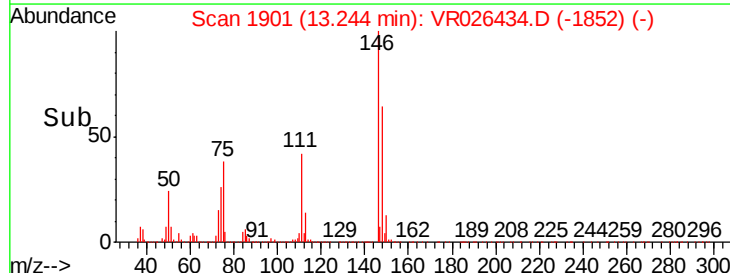
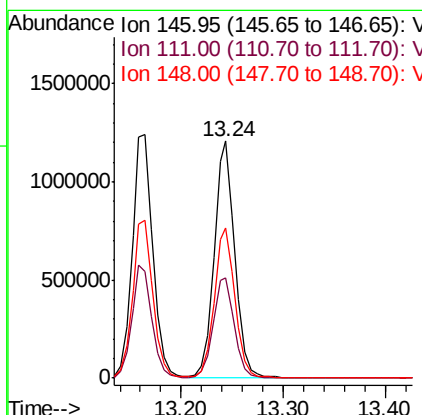
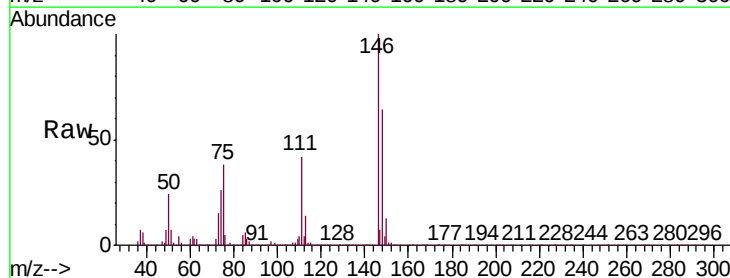
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

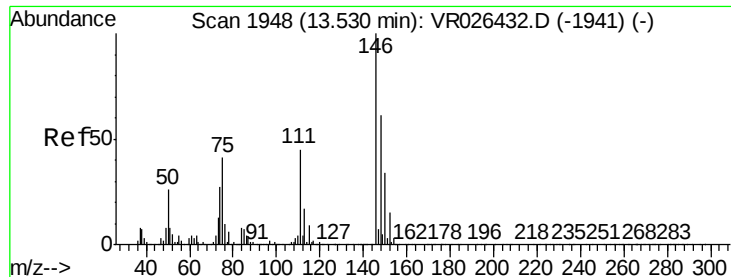
Tgt Ion:146 Resp: 1746280
 Ion Ratio Lower Upper
 146 100
 111 43.8 30.4 56.5
 148 64.7 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 21.569 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion:146 Resp: 1704070
 Ion Ratio Lower Upper
 146 100
 111 42.4 30.5 56.7
 148 63.6 45.0 83.6

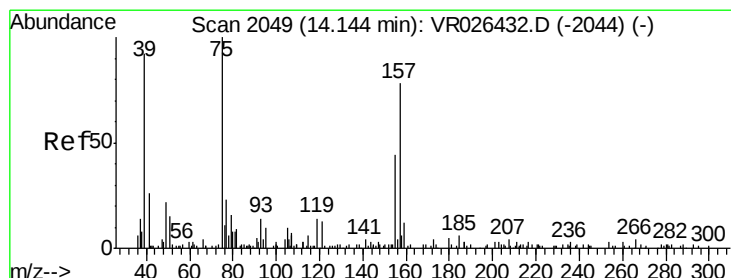
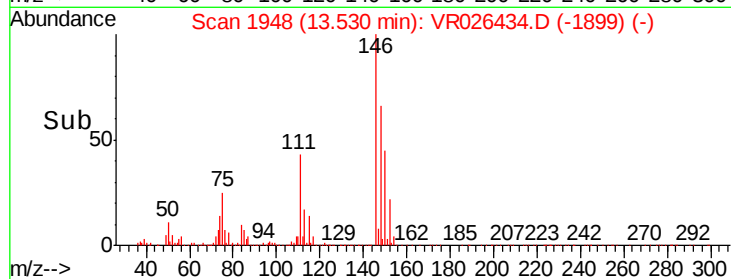
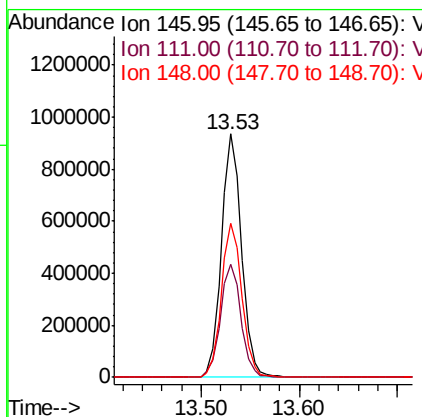
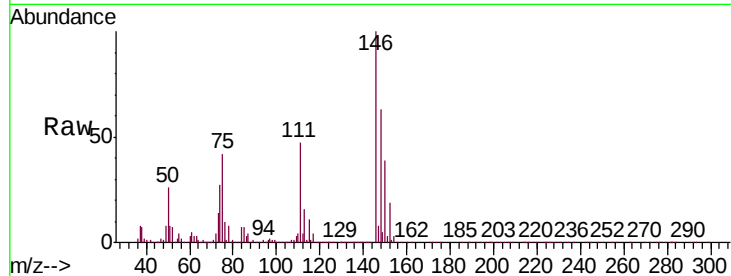




#65
 1,2-Dichlorobenzene
 Concen: 22.516 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

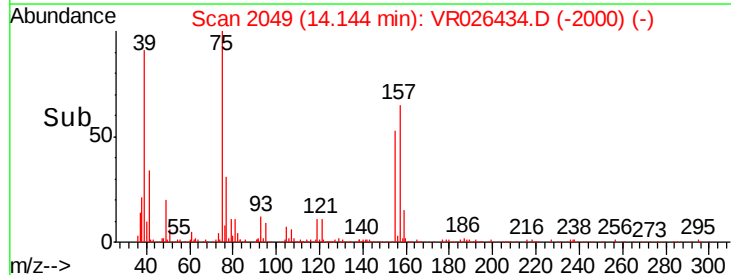
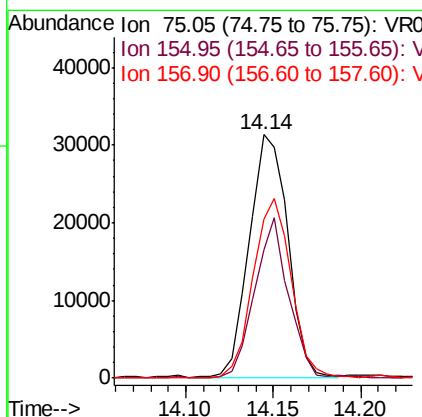
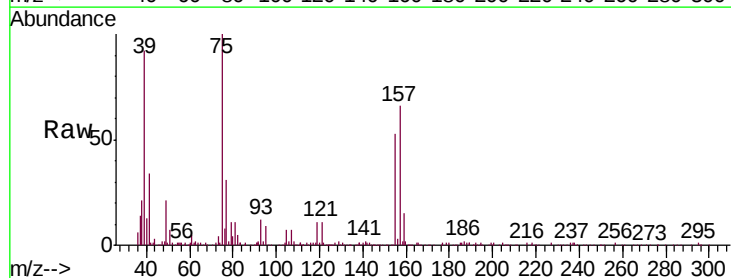
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

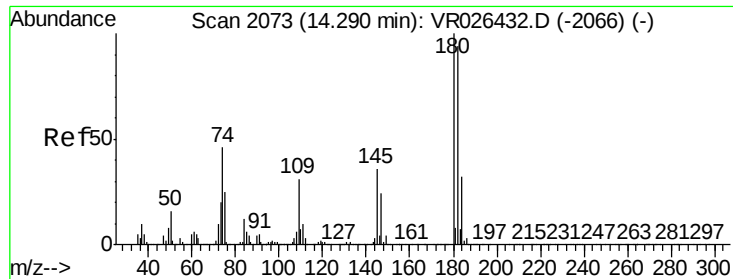
Tgt Ion:146 Resp: 1330341
 Ion Ratio Lower Upper
 146 100
 111 46.7 35.8 53.6
 148 63.4 48.9 73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.939 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion: 75 Resp: 48166
 Ion Ratio Lower Upper
 75 100
 155 52.5 36.1 54.1
 157 65.6 62.4 93.6

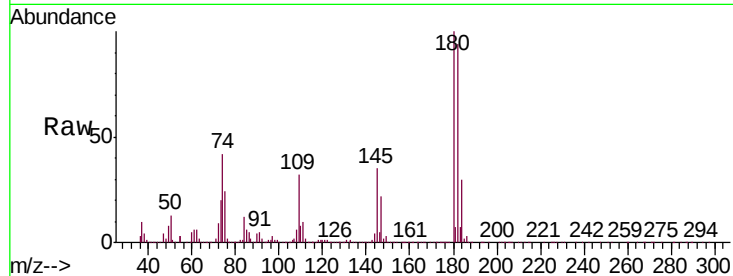




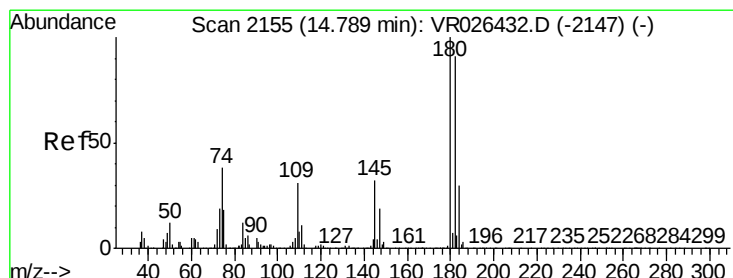
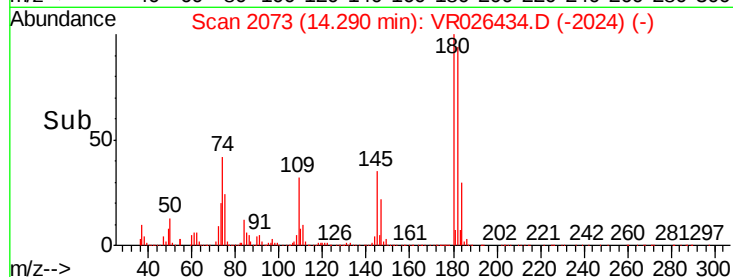
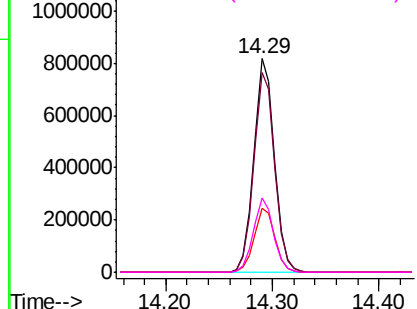
#67
 1,3,5-Trichlorobenzene
 Concen: 24.834 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02086

Tgt Ion:180 Resp: 1106922
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.6
 184 30.3 25.0 37.4
 145 34.0 28.0 42.0

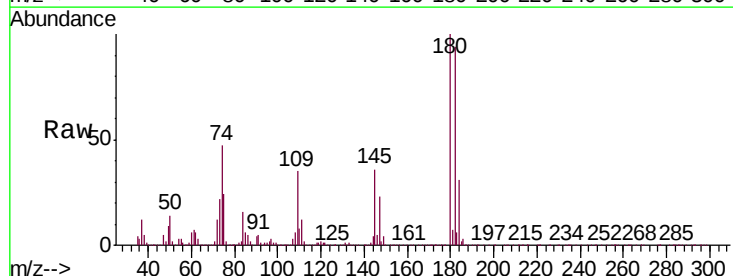


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

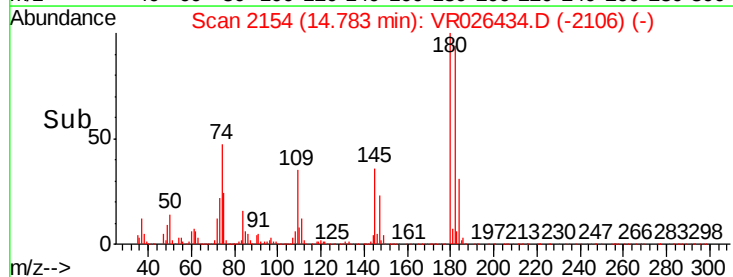
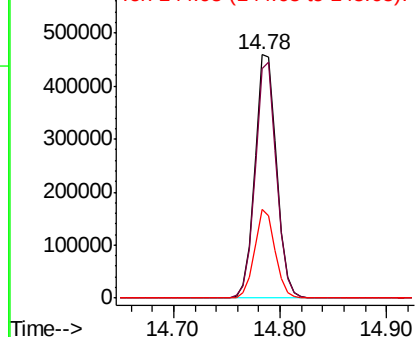


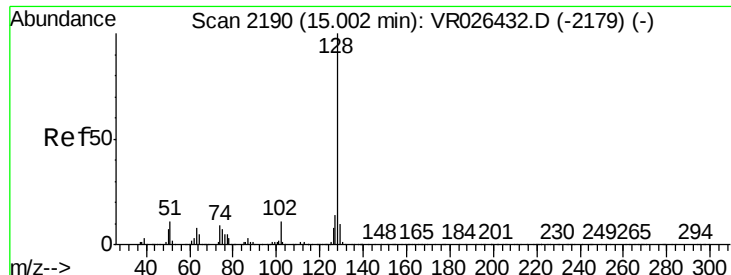
#68
 1,2,4-trichlorobenzene
 Concen: 25.530 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026434.D
 Acq: 3 Apr 2019 17:38

Tgt Ion:180 Resp: 652866
 Ion Ratio Lower Upper
 180 100
 182 95.3 73.0 109.6
 145 34.6 26.7 40.1



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





#69

Naphthalene

Concen: 31.040 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

Instrument :

MSVOA_R

ClientSampleId :

VSTD02086

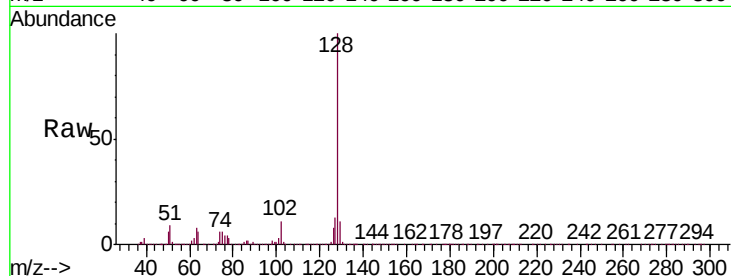
Tgt Ion:128 Resp: 737143

Ion Ratio Lower Upper

128 100

127 13.3 11.4 17.0

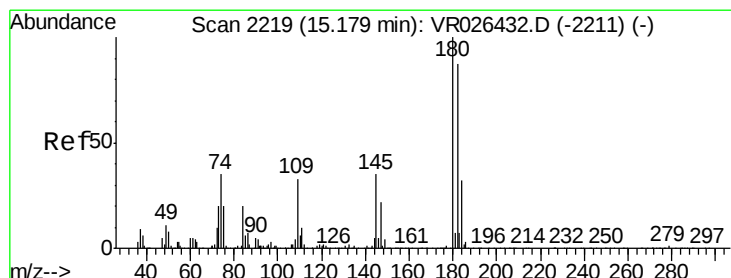
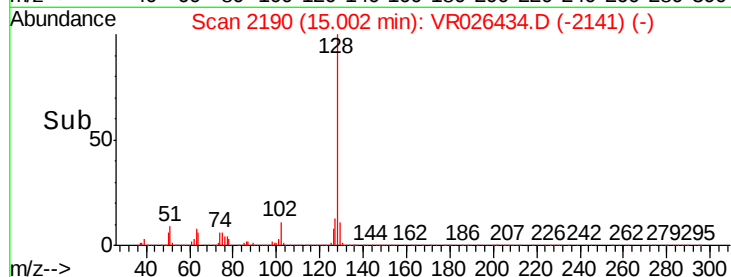
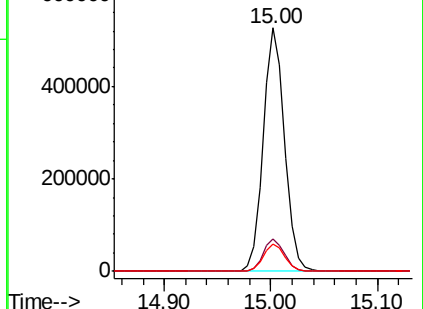
129 11.3 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.303 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026434.D

Acq: 3 Apr 2019 17:38

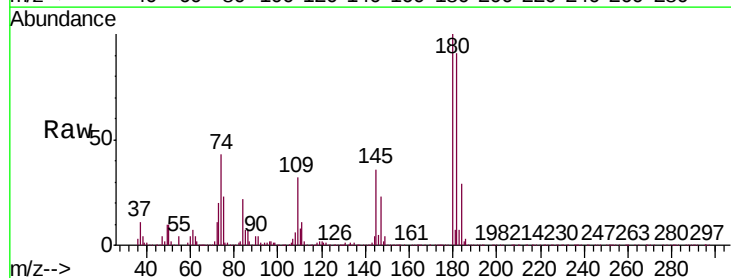
Tgt Ion:180 Resp: 436248

Ion Ratio Lower Upper

180 100

182 94.0 73.1 109.7

145 35.7 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

