

Data File : VR026365.D
Acq On : 22 Feb 2019 16:15
Operator : SY/MD
Sample : VSTD01084
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

Quant Time: Feb 23 04:16:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 23 04:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	590367	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	492417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	199317	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	510007	10.56	ug/L	0.00
7) Chloroethane-d5	2.61	69	409056	9.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	1248200	10.45	ug/L	0.00
20) 2-Butanone-d5	6.58	46	460040	127.11	ug/L	0.00
24) Chloroform-d	7.20	84	888894	10.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	355856	11.06	ug/L	0.00
32) Benzene-d6	7.85	84	1777807	11.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	444888	11.03	ug/L	0.00
41) Toluene-d8	9.96	98	1709193	11.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	126838	11.64	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	382757	139.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	165494	10.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	319049	10.16	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	482217	10.797	ug/L	96
3) Chloromethane	2.00	50	614207	10.456	ug/L	99
5) Vinyl chloride	2.15	62	584218	10.392	ug/L	96
6) Bromomethane	2.51	94	345069	9.408	ug/L	95
8) Chloroethane	2.65	64	342461	9.821	ug/L	99
9) Trichlorofluoromethane	2.93	101	813777	9.336	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	451992	9.771	ug/L	98
12) 1,1-Dichloroethene	3.62	96	507460	10.020	ug/L	89
13) Acetone	3.69	43	366603	99.681	ug/L	99
14) Carbon disulfide	3.92	76	1621065	10.217	ug/L	98
15) Methyl Acetate	4.19	43	100799	9.748	ug/L	96
16) Methylene chloride	4.40	84	407697	8.739	ug/L	94
17) Methyl tert-butyl Ether	4.88	73	512774	10.451	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	474919	10.098	ug/L	92
19) 1,1-Dichloroethane	5.69	63	868269	10.534	ug/L	99
21) 2-Butanone	6.68	43	541979	122.260	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	444122	11.120	ug/L #	97
23) Bromochloromethane	7.04	128	120153	9.925	ug/L	89
25) Chloroform	7.23	83	833873	10.304	ug/L	94
27) 1,2-Dichloroethane	7.99	62	392916	10.779	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	713378	9.855	ug/L	100
30) Cyclohexane	7.51	56	812464	13.784	ug/L	99
31) Carbon tetrachloride	7.63	117	648974	9.757	ug/L	100
33) Benzene	7.90	78	1957056	10.931	ug/L	100
34) Trichloroethene	8.71	95	481414	10.593	ug/L	95
35) Methylcyclohexane	8.95	83	770604	12.704	ug/L	98
37) 1,2-Dichloropropane	8.99	63	403873	10.357	ug/L #	97
38) Bromodichloromethane	9.28	83	466308	10.665	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	516326	12.569	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	1345069	132.308	ug/L	99

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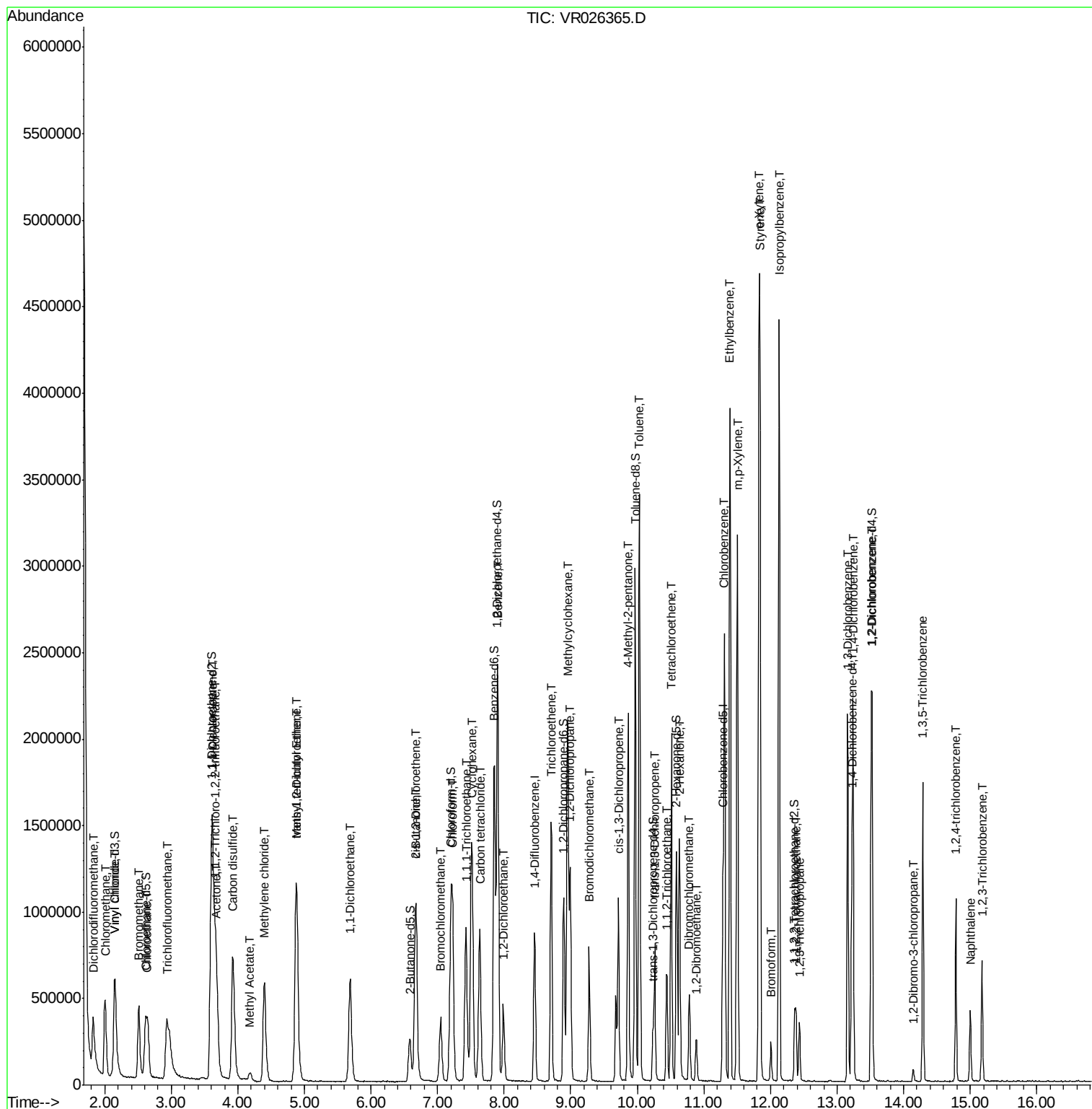
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	2038555	11.256	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	369579	12.168	ug/L	95
45) 1,1,2-Trichloroethane	10.44	97	159985	9.729	ug/L	94
47) Tetrachloroethene	10.51	164	349688	10.469	ug/L	99
48) 2-Hexanone	10.63	43	892153	127.752	ug/L	99
49) Dibromochloromethane	10.78	129	214083	10.059	ug/L	98
50) 1,2-Dibromoethane	10.88	107	141953	10.668	ug/L	93
51) Chlorobenzene	11.31	112	1054971	10.057	ug/L	99
52) Ethylbenzene	11.39	91	2355001	11.651	ug/L	99
53) m,p-Xylene	11.50	106	848760	11.510	ug/L	94
54) o-Xylene	11.83	106	790876	12.360	ug/L	98
55) Styrene	11.84	104	1212180	12.009	ug/L	99
56) Isopropylbenzene	12.13	105	2267229	12.530	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	156114	10.093	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	118304	10.594	ug/L	98
61) Bromoform	12.01	173	88338	9.728	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	644683	10.780	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	656973	9.484	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	510749	9.979	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	17703	9.021	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	399520	10.360	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	239700	11.367	ug/L	99
69) Naphthalene	15.00	128	256702	12.902	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	171415	10.718	ug/L	98

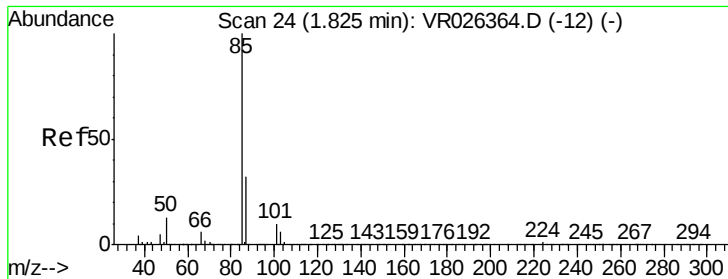
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.797 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.00 min

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Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

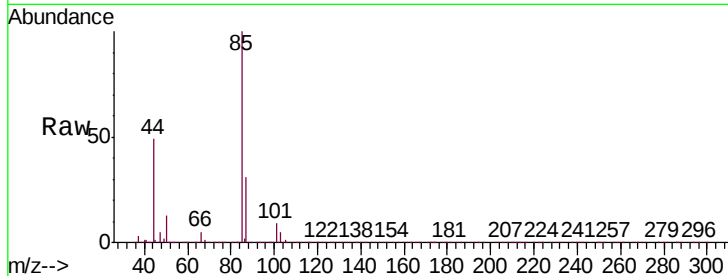
VSTD01084

Tgt Ion: 85 Resp: 482217

Ion Ratio Lower Upper

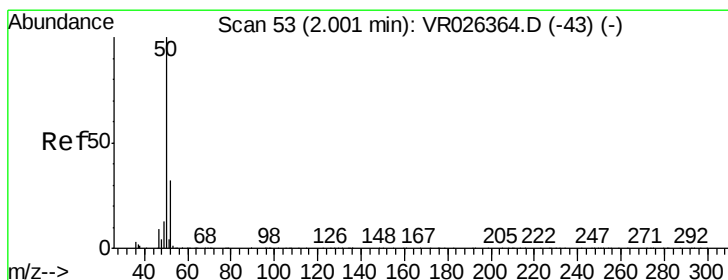
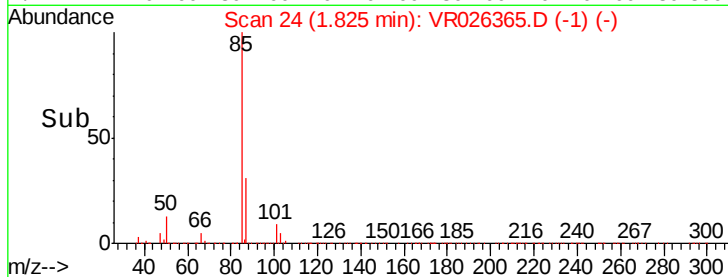
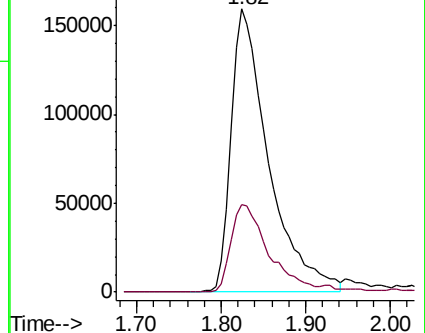
85 100

87 31.0 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 10.456 ug/L

RT: 2.00 min Scan# 53

Delta R.T. -0.00 min

Lab File: VR026365.D

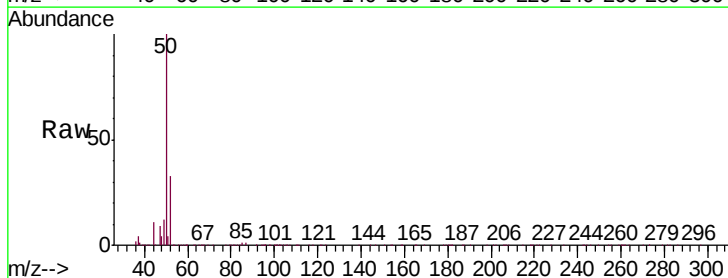
Acq: 22 Feb 2019 16:15

Tgt Ion: 50 Resp: 614207

Ion Ratio Lower Upper

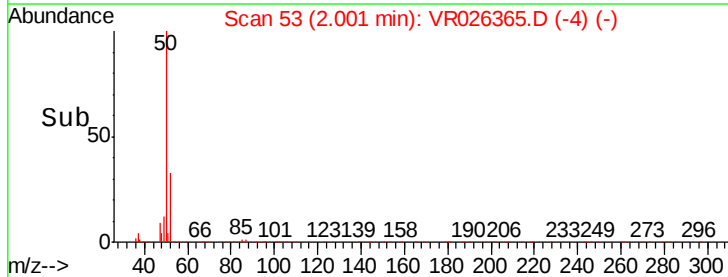
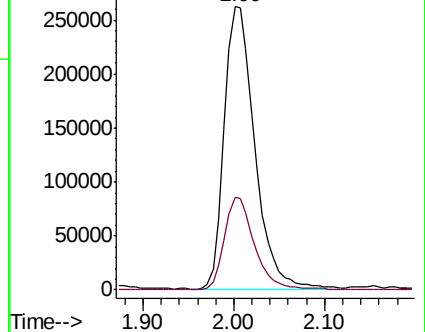
50 100

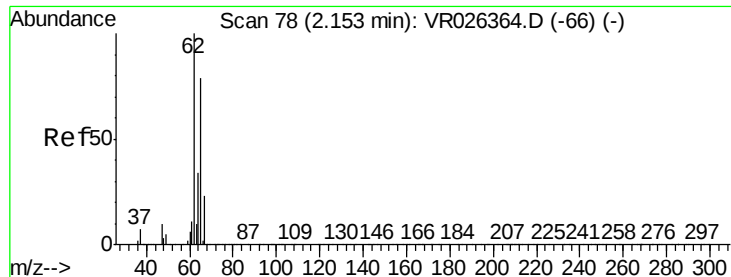
52 32.8 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 10.392 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

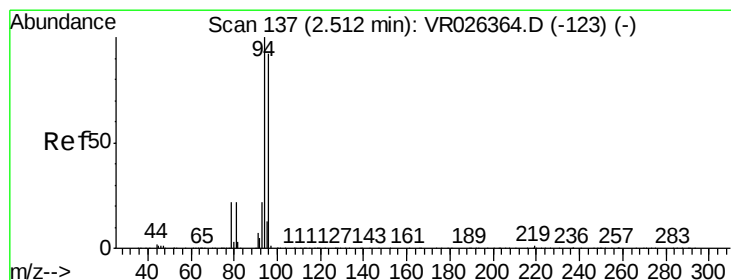
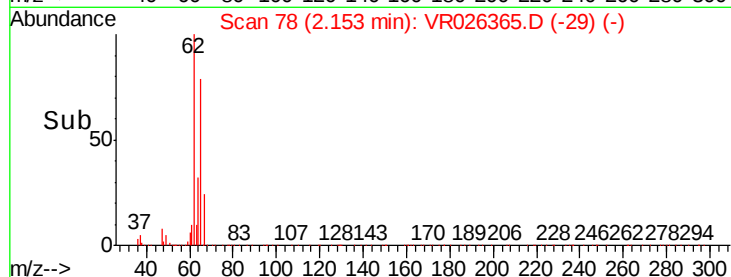
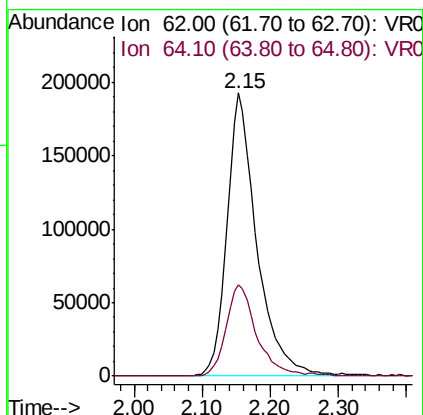
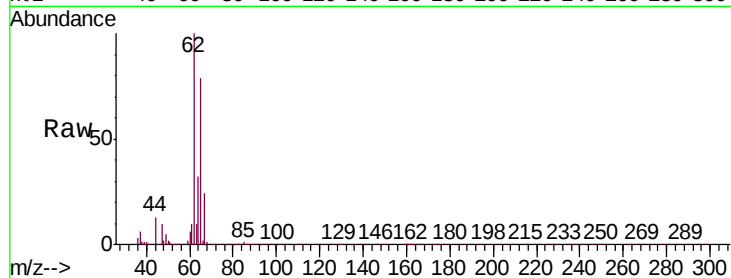
VSTD01084

Tgt Ion: 62 Resp: 584218

Ion Ratio Lower Upper

62 100

64 32.4 24.1 44.7



#6

Bromomethane

Concen: 9.408 ug/L

RT: 2.51 min Scan# 137

Delta R.T. -0.00 min

Lab File: VR026365.D

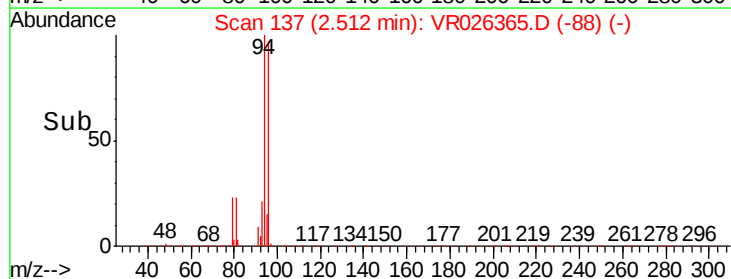
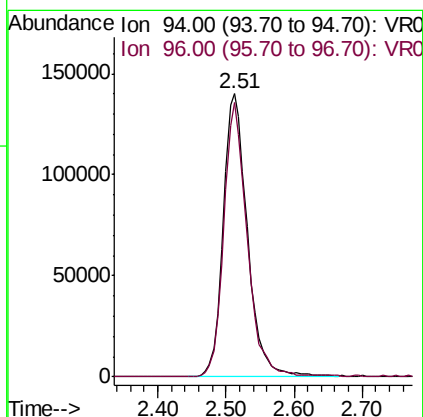
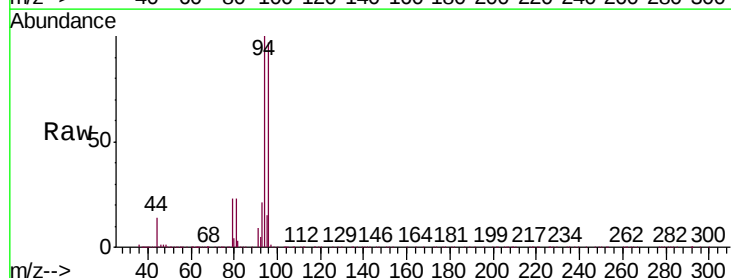
Acq: 22 Feb 2019 16:15

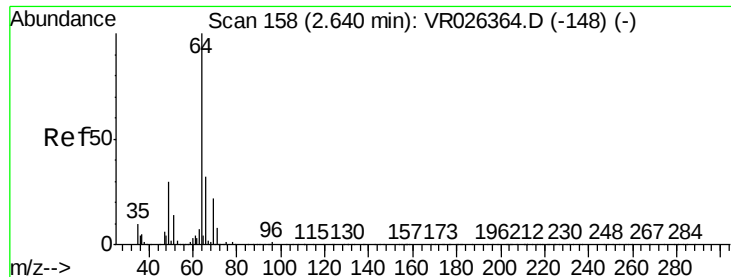
Tgt Ion: 94 Resp: 345069

Ion Ratio Lower Upper

94 100

96 96.8 64.3 119.3





#8

Chloroethane

Concen: 9.821 ug/L

RT: 2.65 min Scan# 159

Delta R.T. 0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

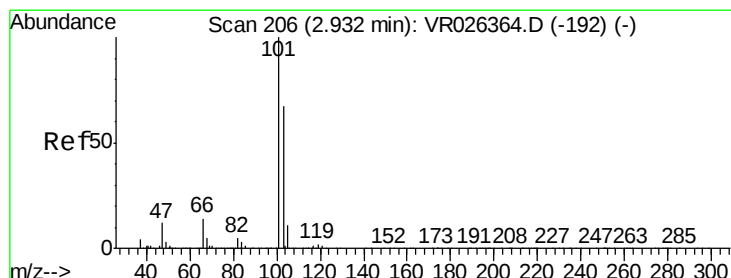
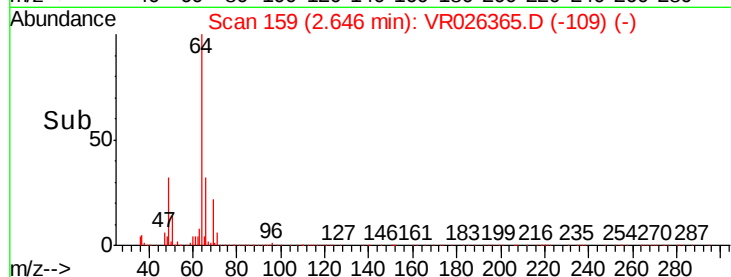
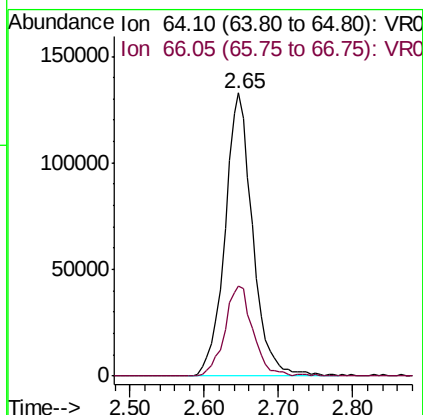
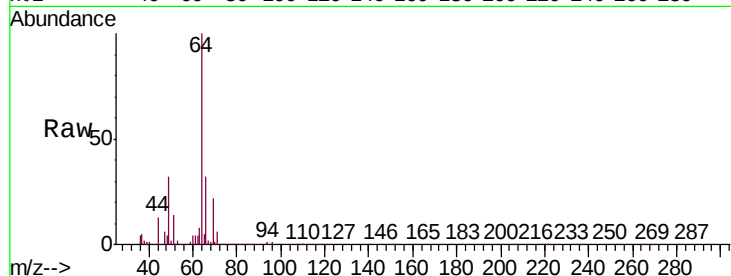
VSTD01084

Tgt Ion: 64 Resp: 342461

Ion Ratio Lower Upper

64 100

66 31.6 22.6 42.0



#9

Trichlorofluoromethane

Concen: 9.336 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026365.D

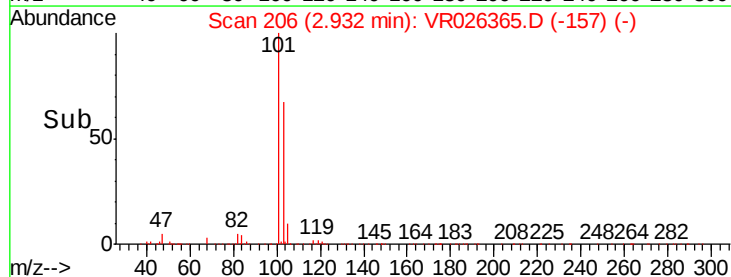
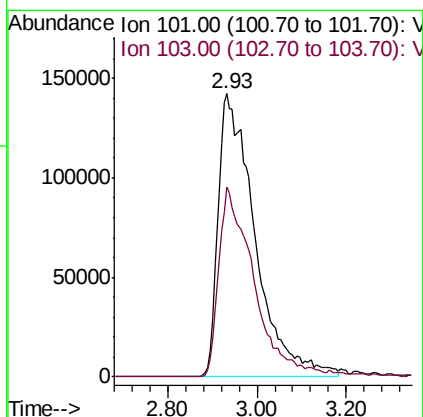
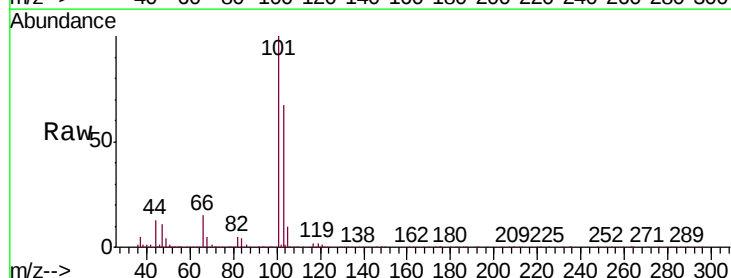
Acq: 22 Feb 2019 16:15

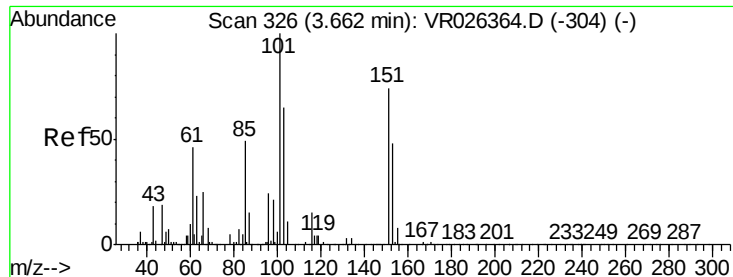
Tgt Ion: 101 Resp: 813777

Ion Ratio Lower Upper

101 100

103 63.7 52.6 78.8





#10

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

Concen: 9.771 ug/L

RT: 3.66 min Scan# 326

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

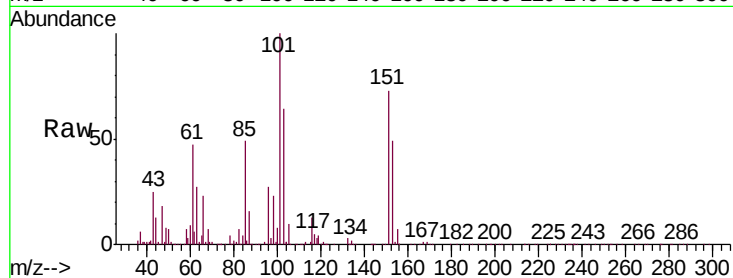
Tgt Ion: 101 Resp: 451992

Ion Ratio Lower Upper

101 100

85 48.7 39.8 59.8

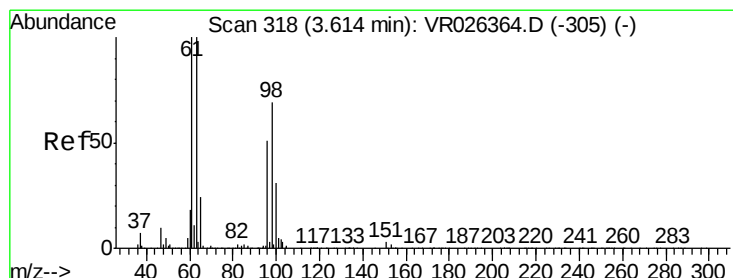
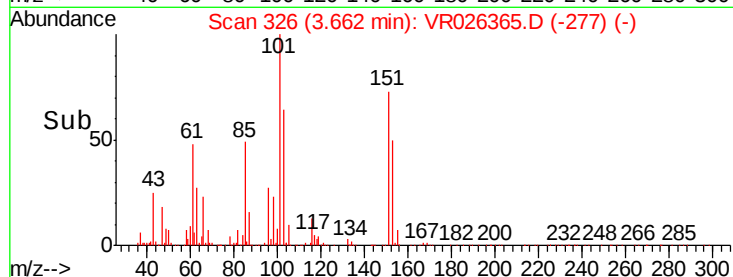
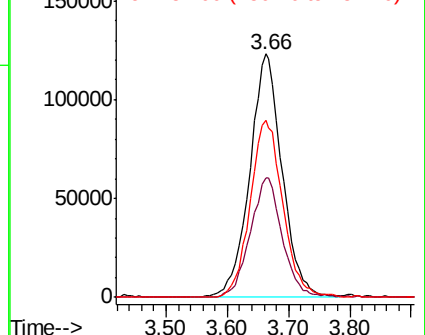
151 73.6 60.8 91.2



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: 10.020 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

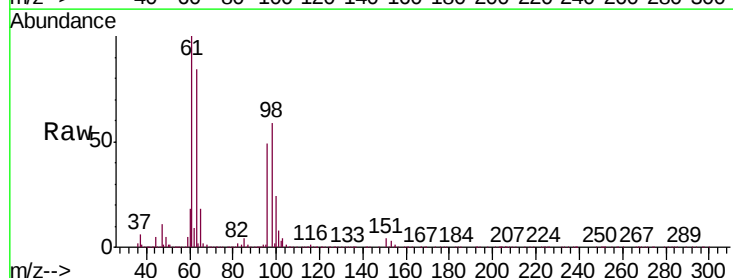
Tgt Ion: 96 Resp: 507460

Ion Ratio Lower Upper

96 100

61 204.3 135.9 252.5

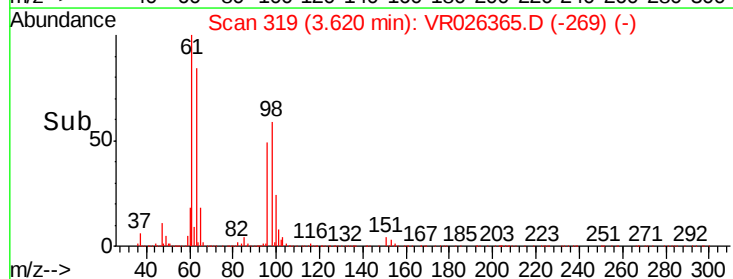
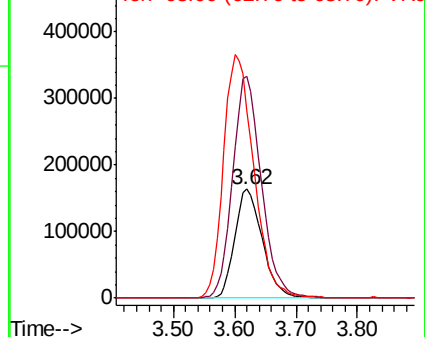
63 172.1 136.6 253.6

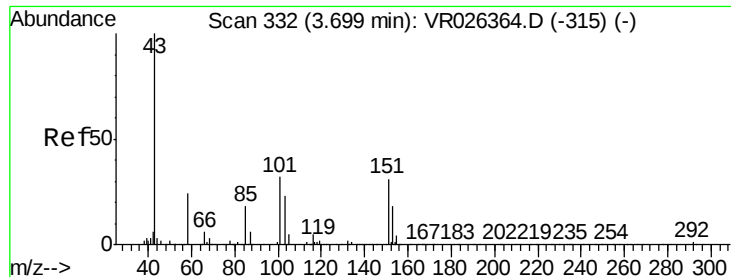


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 99.681 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

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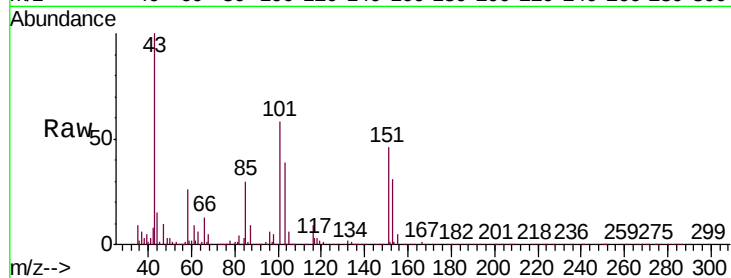
VSTD01084

Tgt Ion: 43 Resp: 366603

Ion Ratio Lower Upper

43 100

58 26.7 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

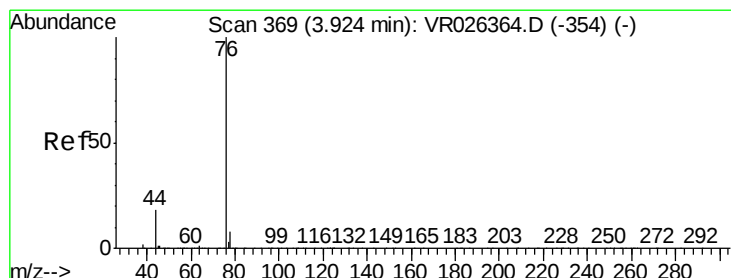
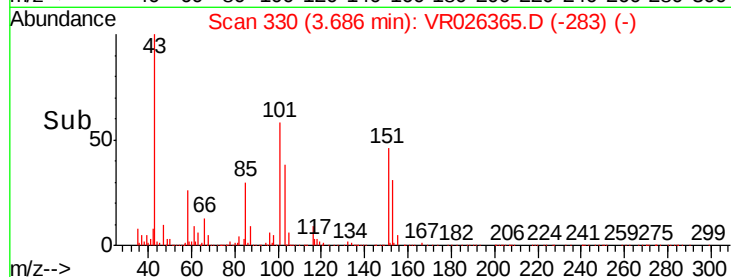
3.69

100000

50000

0

Time--> 3.50 3.60 3.70 3.80 3.90



#14

Carbon disulfide

Concen: 10.217 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.00 min

Lab File: VR026365.D

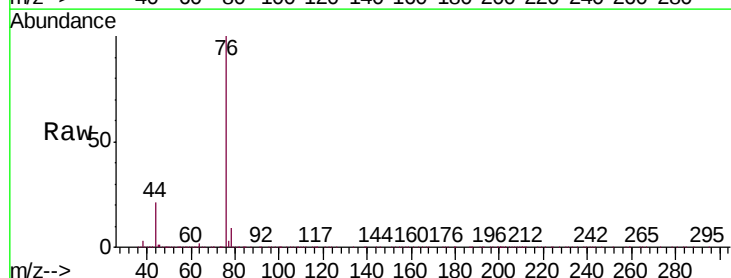
Acq: 22 Feb 2019 16:15

Tgt Ion: 76 Resp: 1621065

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

600000

500000

400000

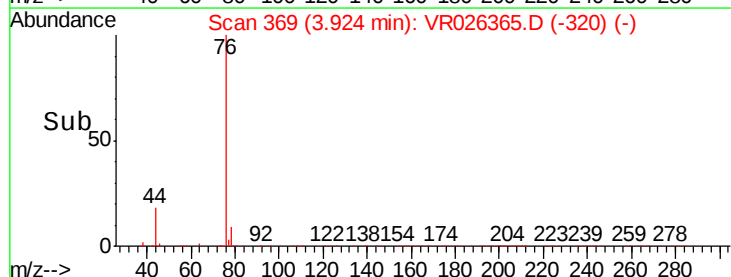
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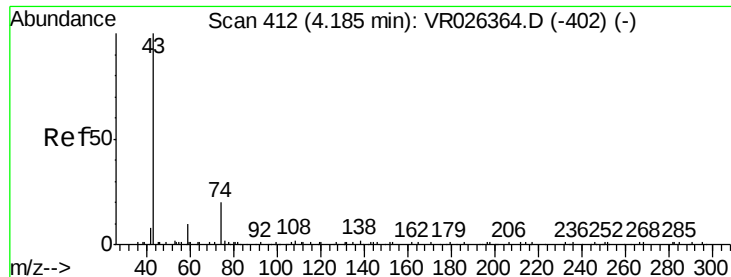
200000

100000

0

Time--> 3.80 3.90 4.00 4.10





#15

Methyl Acetate

Concen: 9.748 ug/L

RT: 4.19 min Scan# 412

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

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ClientSampleId :

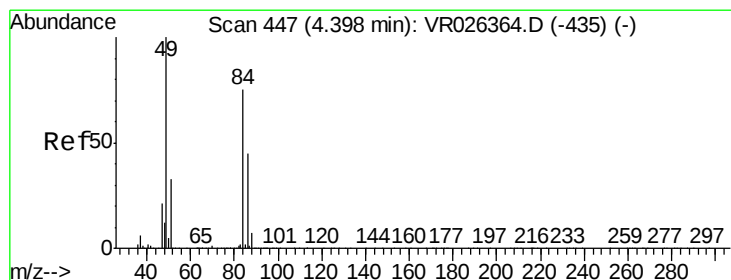
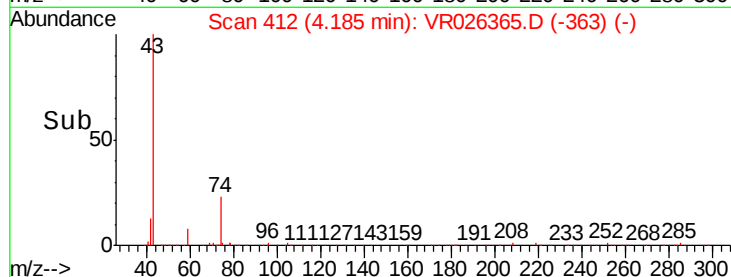
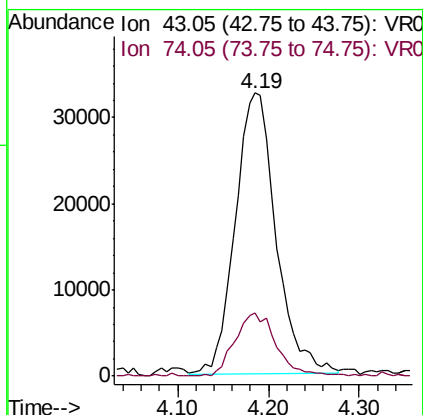
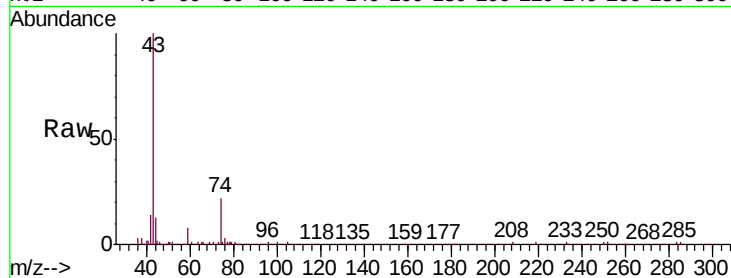
VSTD01084

Tgt Ion: 43 Resp: 100799

Ion Ratio Lower Upper

43 100

74 22.8 16.6 25.0



#16

Methylene chloride

Concen: 8.739 ug/L

RT: 4.40 min Scan# 447

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

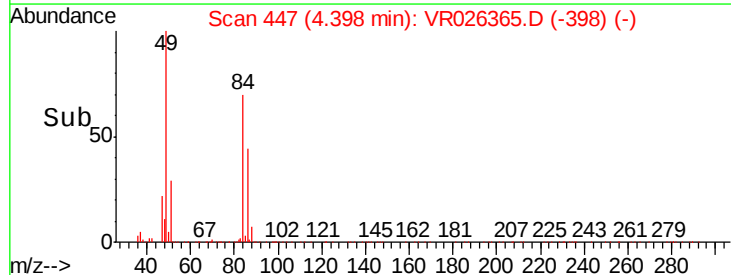
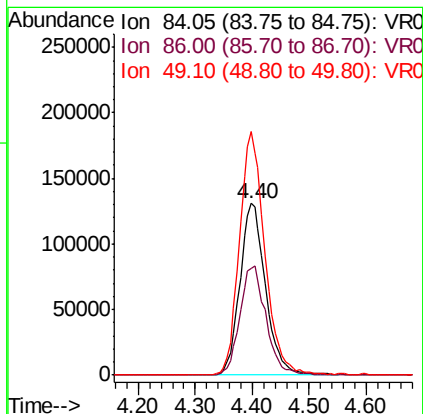
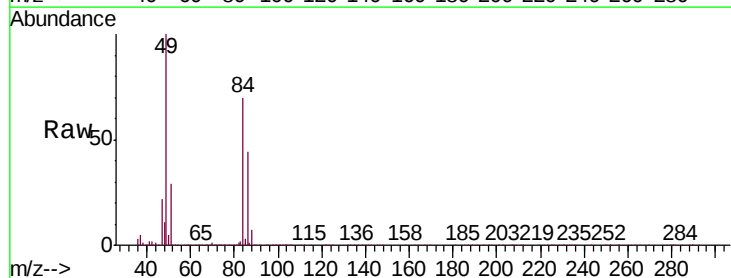
Tgt Ion: 84 Resp: 407697

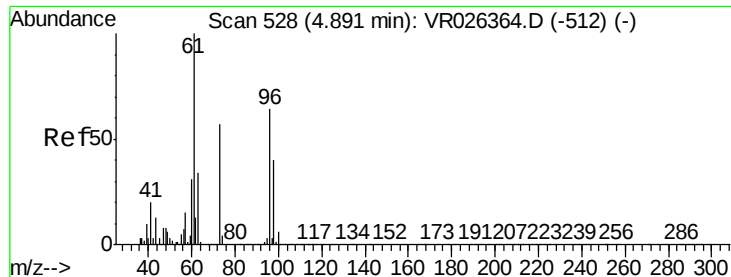
Ion Ratio Lower Upper

84 100

86 62.4 42.1 78.3

49 142.1 93.8 174.2



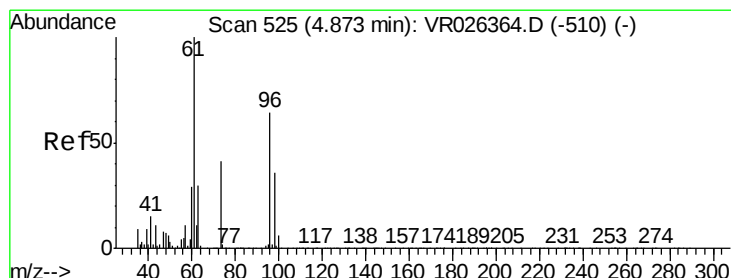
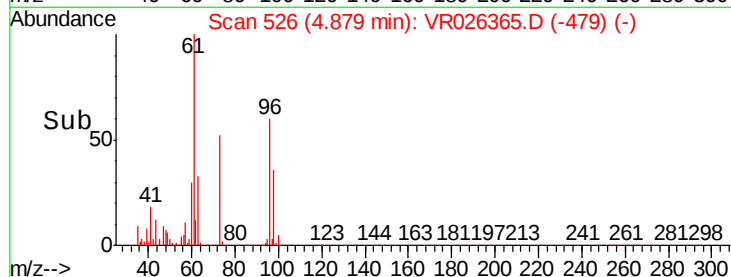
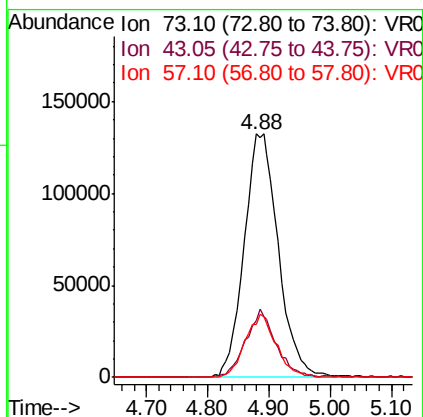
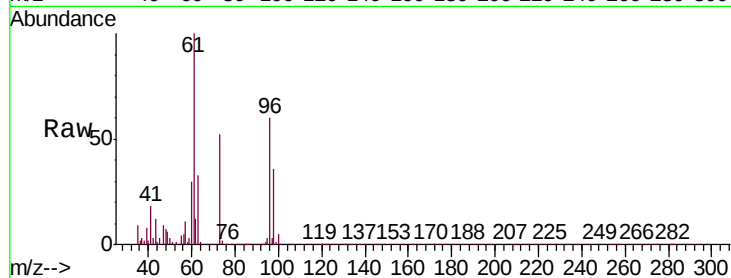


#17

Methyl tert-butyl Ether
Concen: 10.451 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

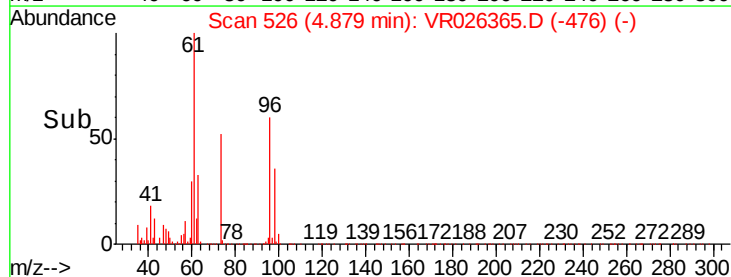
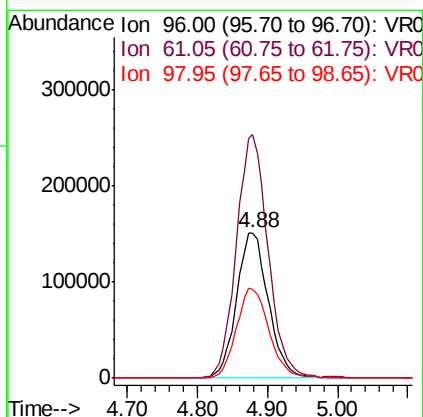
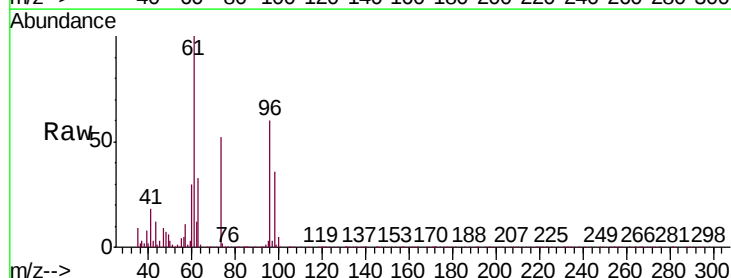
Tgt Ion: 73 Resp: 512774
Ion Ratio Lower Upper
73 100
43 24.3 19.4 29.2
57 23.7 19.4 29.0

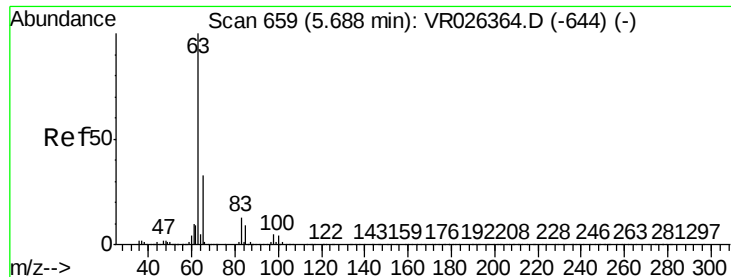


#18

trans-1,2-Dichloroethene
Concen: 10.098 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.01 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

Tgt Ion: 96 Resp: 474919
Ion Ratio Lower Upper
96 100
61 167.7 109.4 203.2
98 60.8 39.7 73.7

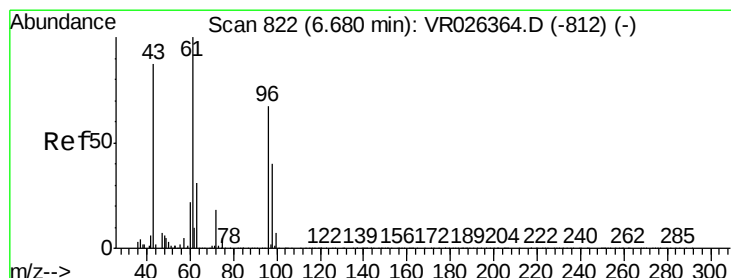
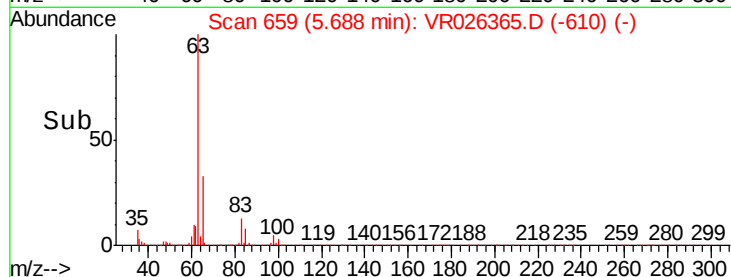
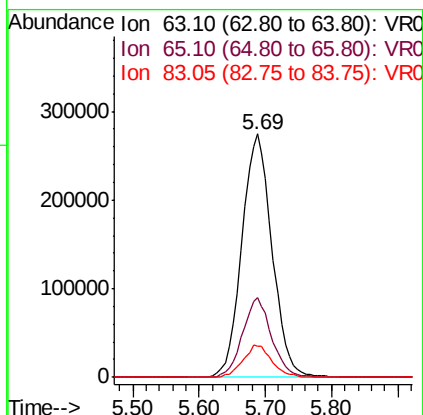
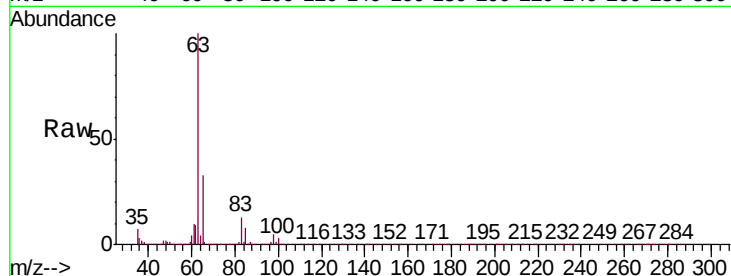




#19
 1,1-Dichloroethane
 Concen: 10.534 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

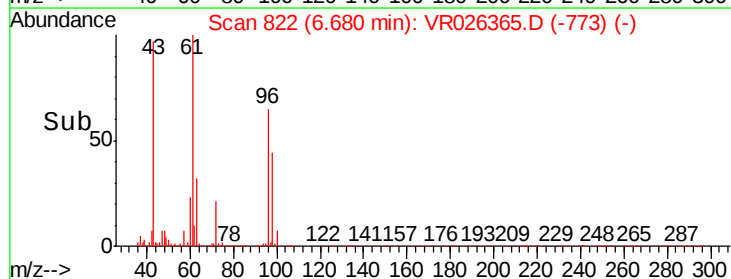
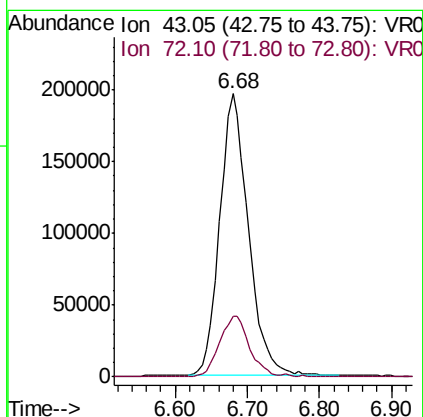
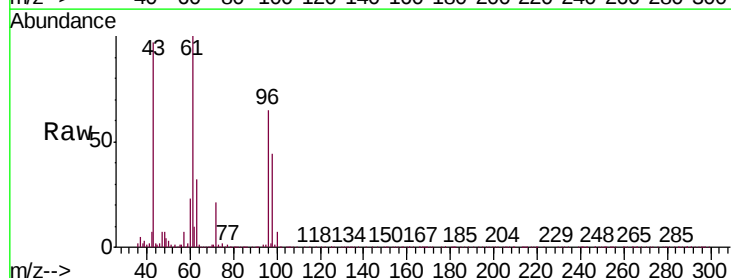
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

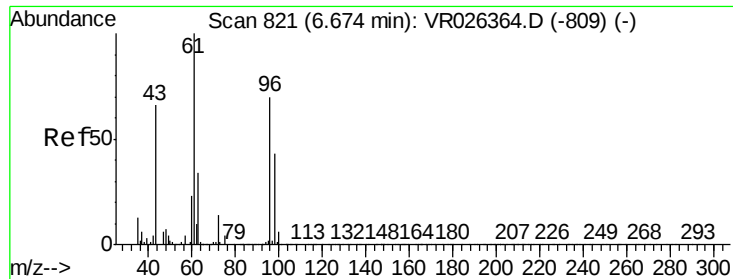
Tgt Ion:	63	Resp:	868269
Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.6	43.8
83	12.8	8.8	16.4



#21
 2-Butanone
 Concen: 122.260 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion:	43	Resp:	541979
Ion	Ratio	Lower	Upper
43	100		
72	22.6	10.8	32.4



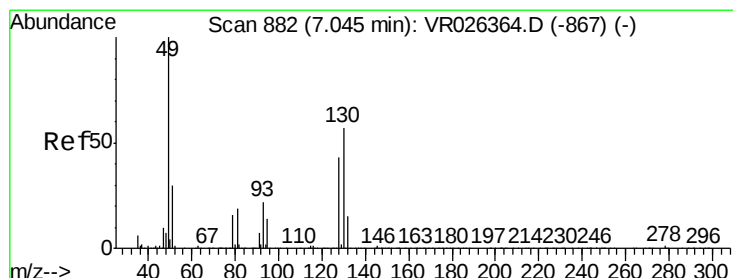
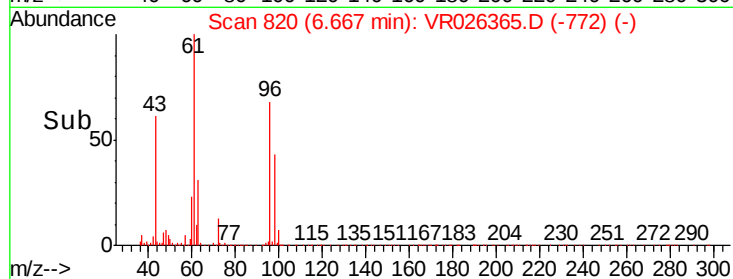
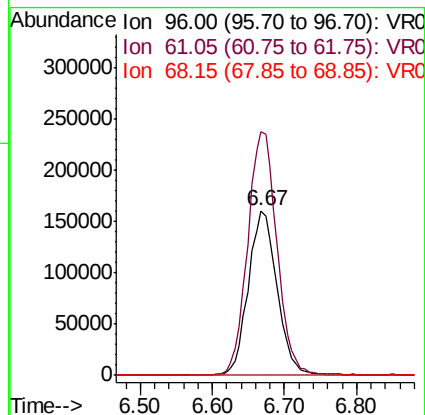
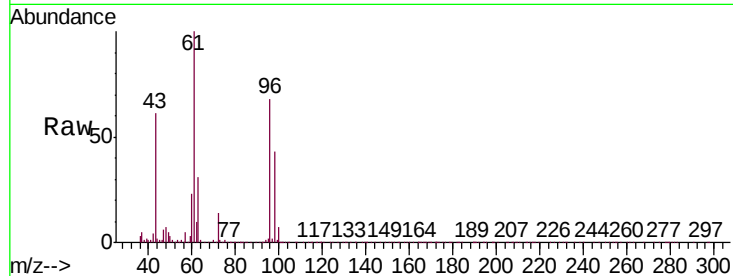


#22

cis-1,2-Dichloroethene
 Concen: 11.120 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD01084

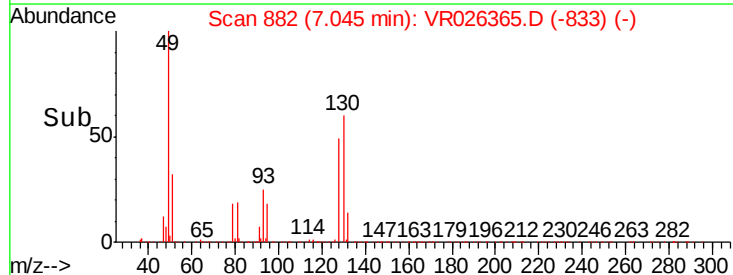
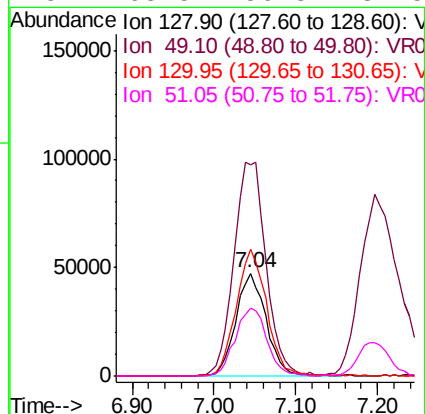
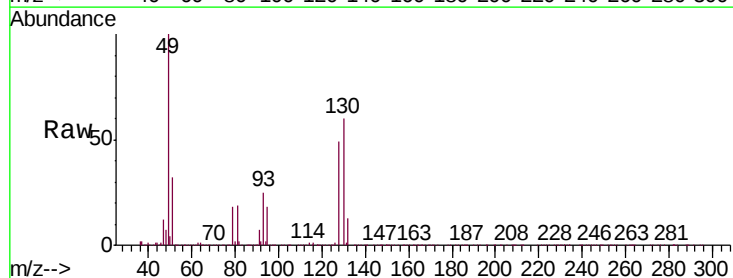
Tgt Ion: 96 Resp: 444122
 Ion Ratio Lower Upper
 96 100
 61 147.7 100.8 187.2
 68 0.0 0.1 0.1#

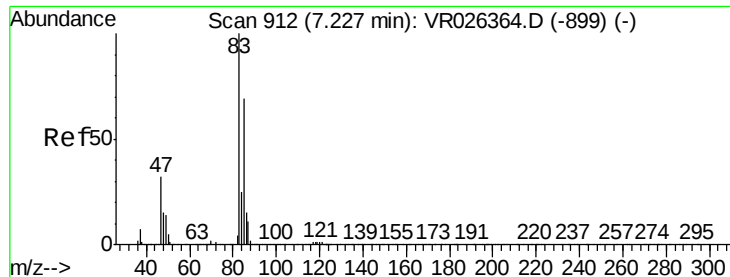


#23

Bromochloromethane
 Concen: 9.925 ug/L
 RT: 7.04 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion: 128 Resp: 120153
 Ion Ratio Lower Upper
 128 100
 49 205.2 161.6 300.0
 130 123.2 92.3 171.5
 51 65.5 56.3 84.5

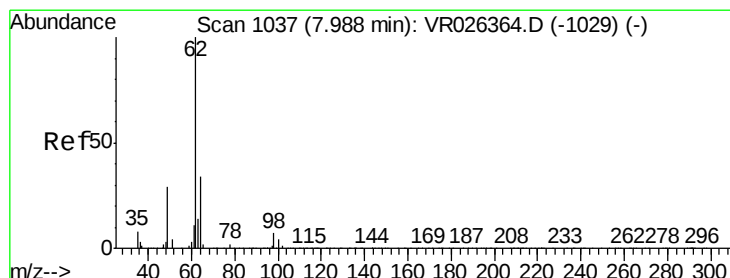
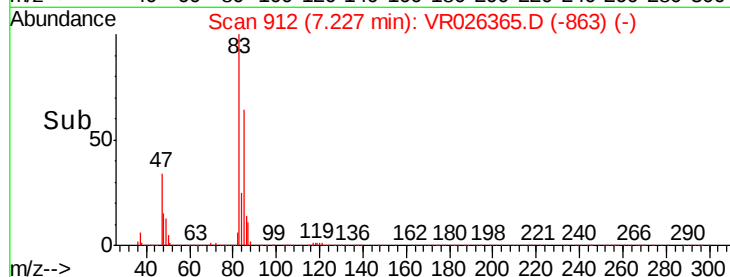
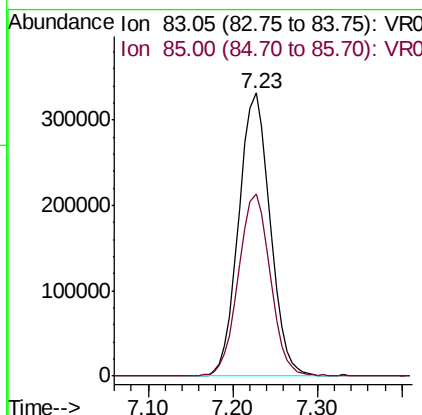
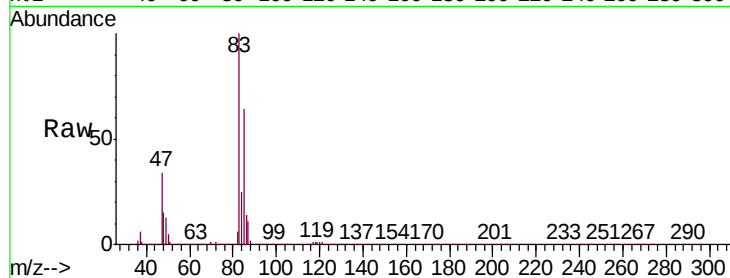




#25
Chloroform
Concen: 10.304 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

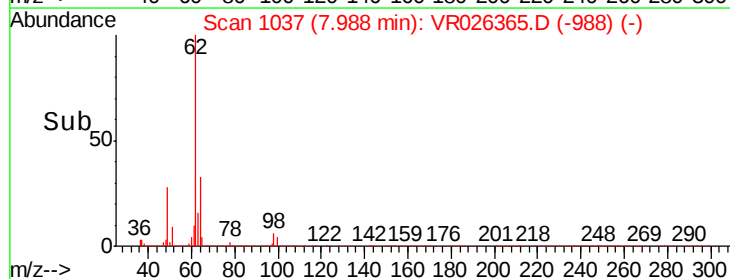
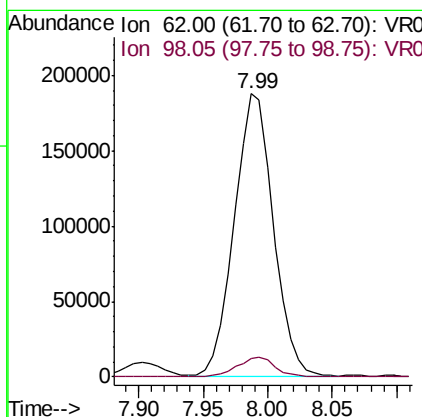
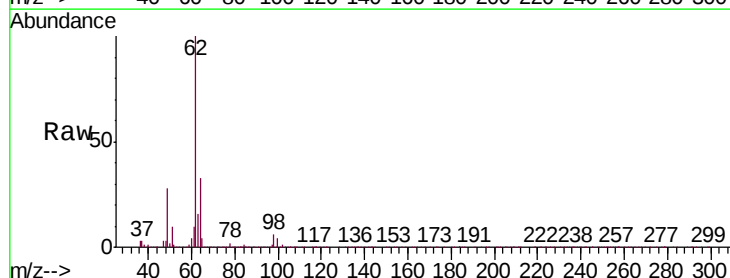
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

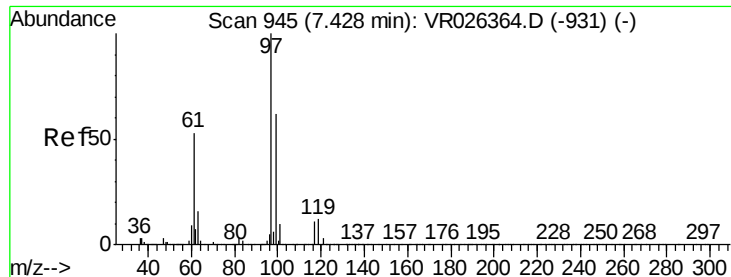
Tgt Ion: 83 Resp: 833873
Ion Ratio Lower Upper
83 100
85 64.3 48.6 90.2



#27
1,2-Dichloroethane
Concen: 10.779 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

Tgt Ion: 62 Resp: 392916
Ion Ratio Lower Upper
62 100
98 6.5 5.7 8.5

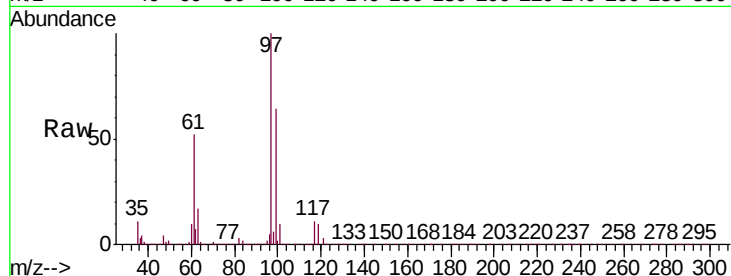




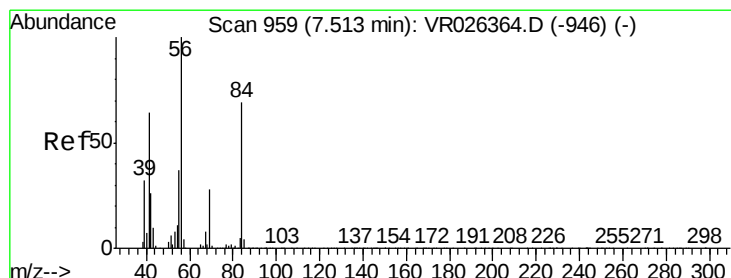
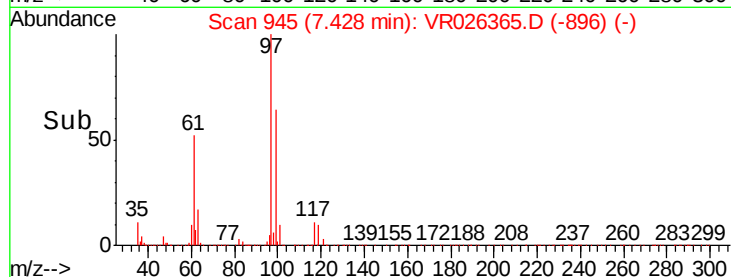
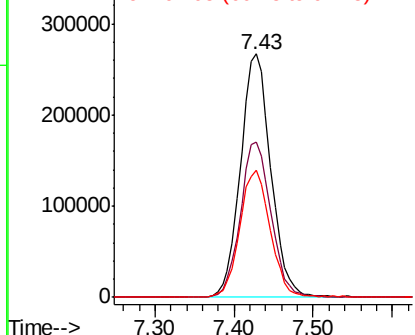
#29
 1,1,1-Trichloroethane
 Concen: 9.855 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

Tgt Ion: 97 Resp: 713378
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 52.4 41.8 62.6

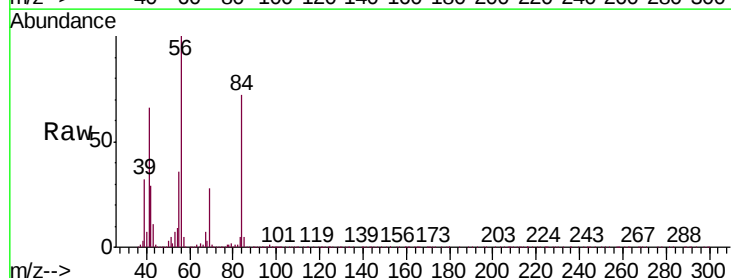


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

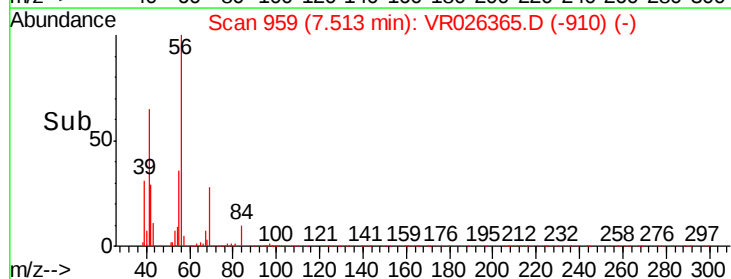
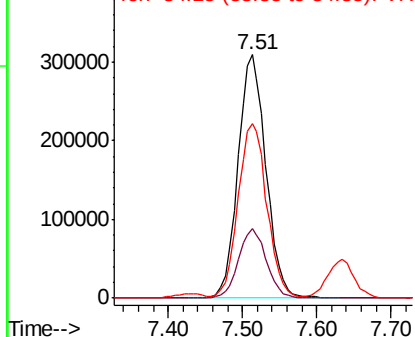


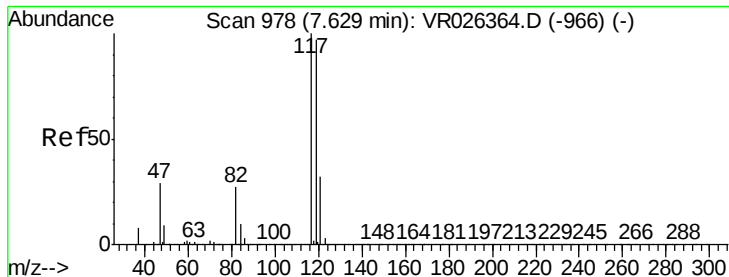
#30
 Cyclohexane
 Concen: 13.784 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion: 56 Resp: 812464
 Ion Ratio Lower Upper
 56 100
 69 28.4 22.6 34.0
 84 73.9 58.2 87.2



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: 9.757 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

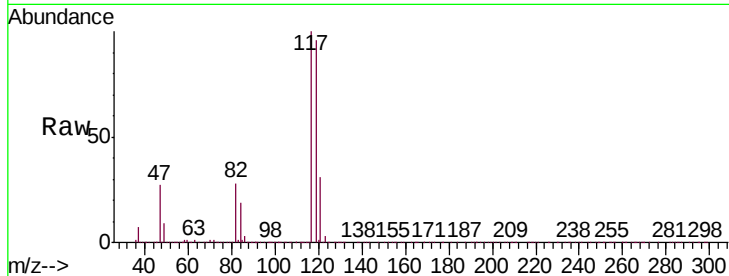
VSTD01084

Tgt Ion:117 Resp: 648974

Ion Ratio Lower Upper

117 100

119 96.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

300000

250000

200000

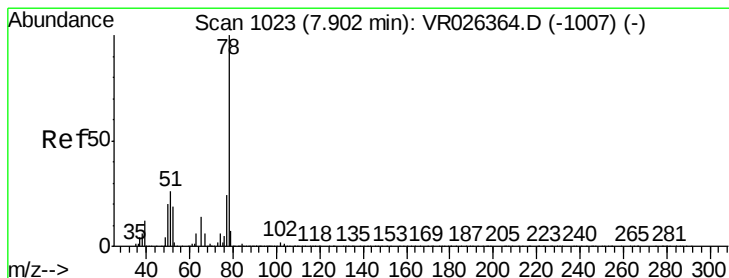
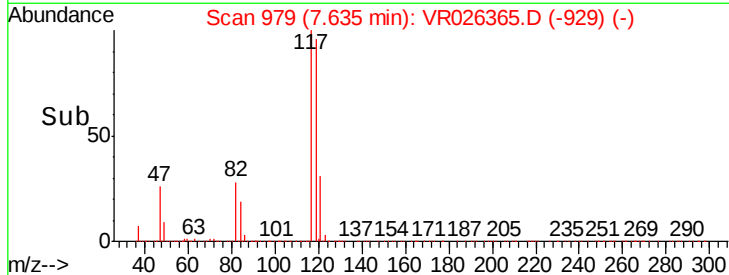
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 10.931 ug/L

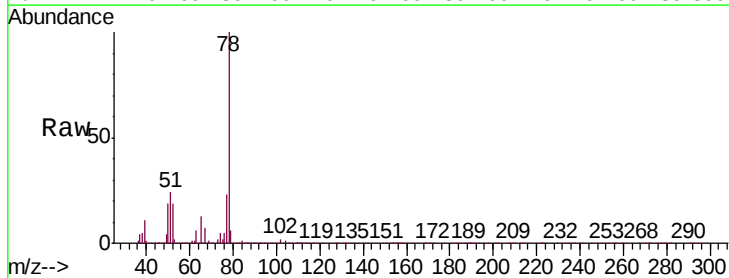
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Tgt Ion: 78 Resp: 1957056



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

1000000

800000

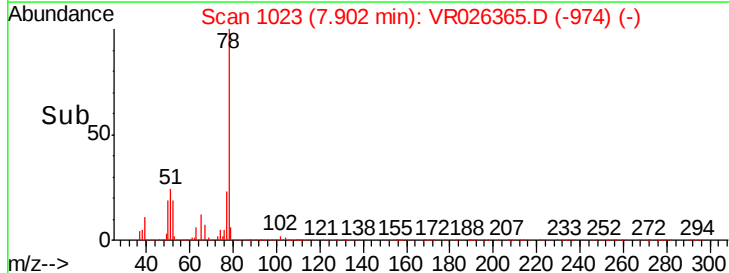
600000

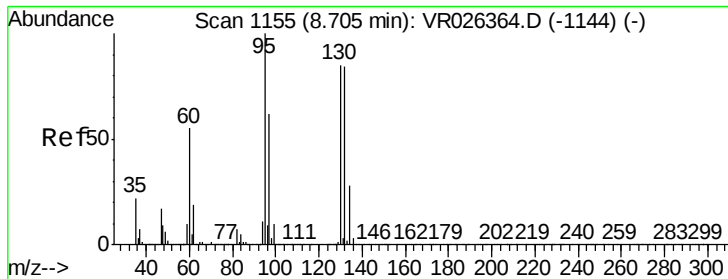
400000

200000

0

Time-->

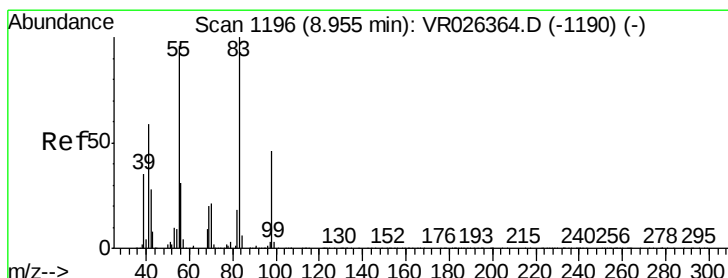
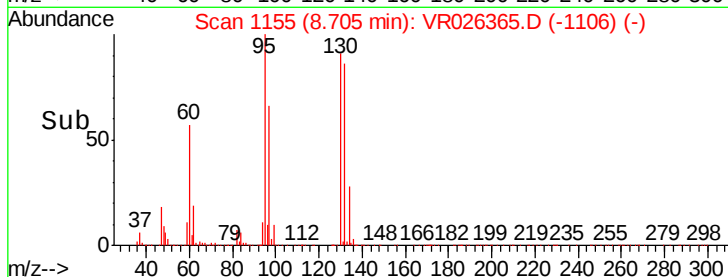
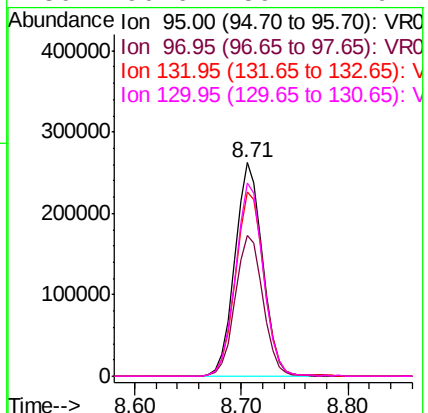
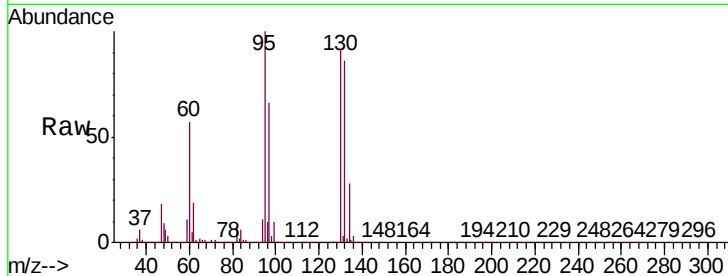




#34
 Trichloroethene
 Concen: 10.593 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

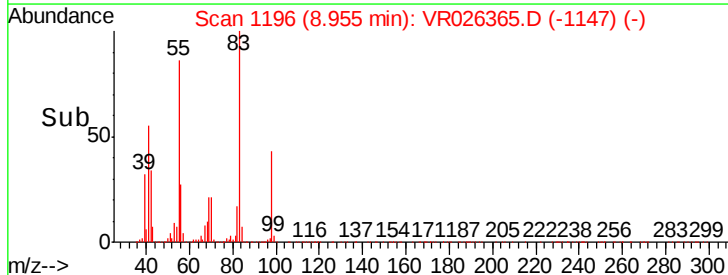
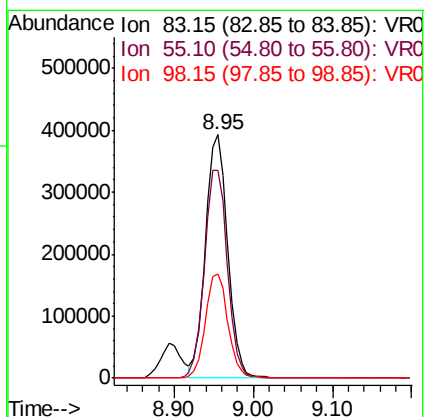
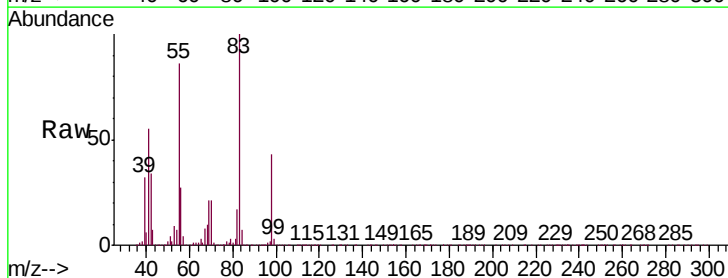
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

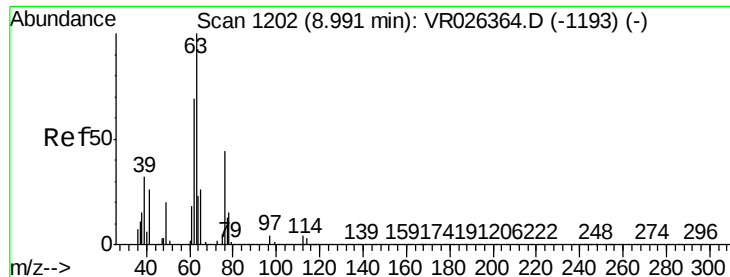
Tgt Ion:	95	Resp:	481414
Ion	Ratio	Lower	Upper
95	100		
97	65.8	43.5	80.7
132	86.1	58.6	108.8
130	90.6	59.4	110.2



#35
 Methylcyclohexane
 Concen: 12.704 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion:	83	Resp:	770604
Ion	Ratio	Lower	Upper
83	100		
55	88.5	72.2	108.2
98	43.0	35.0	52.4

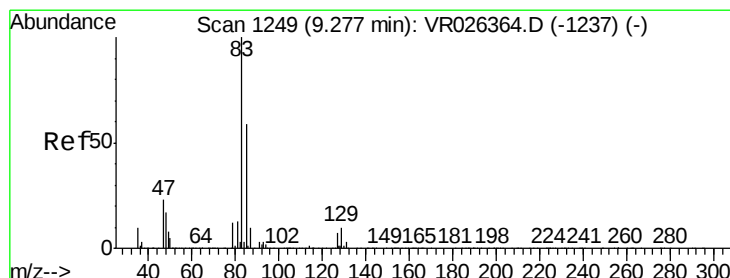
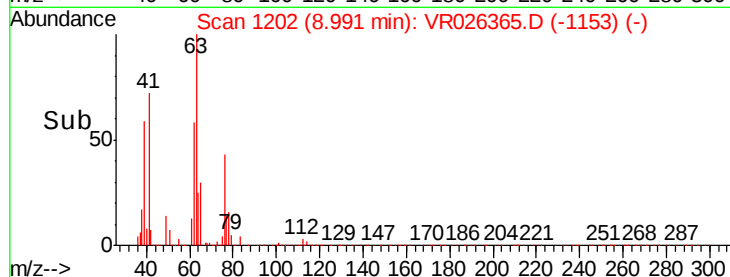
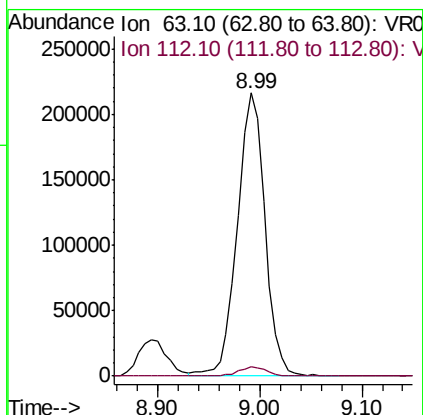
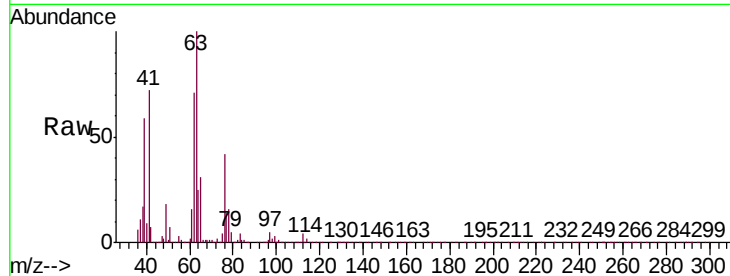




#37
 1,2-Dichloropropane
 Concen: 10.357 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

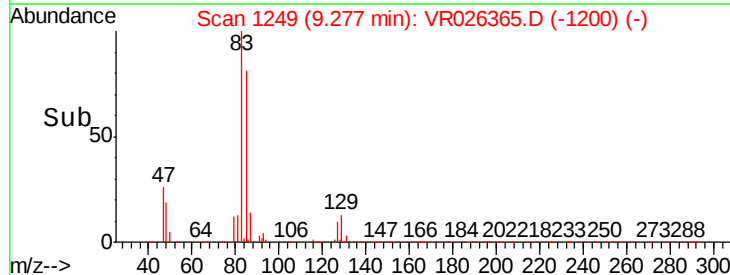
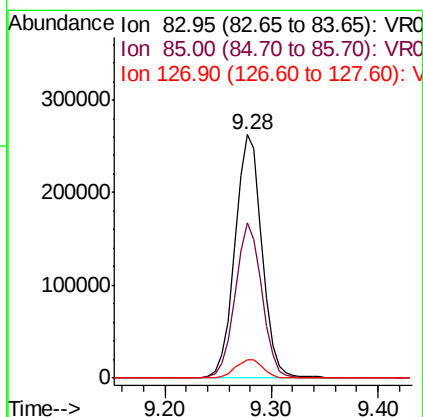
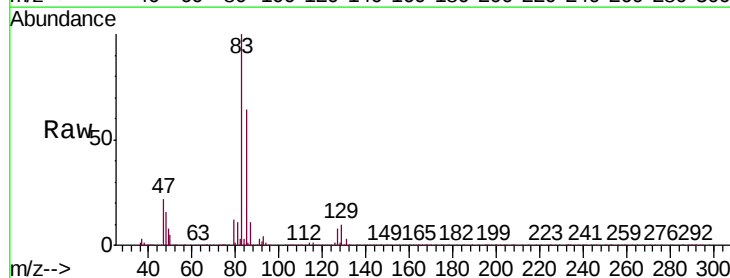
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

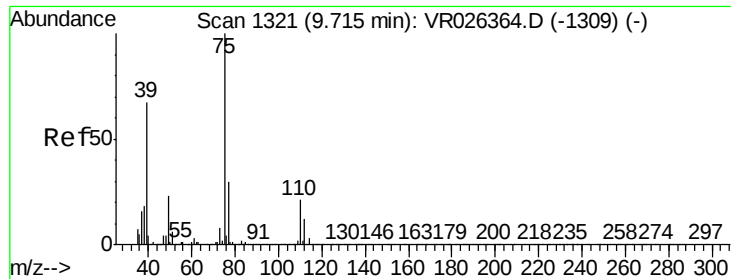
Tgt Ion: 63 Resp: 403873
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 10.665 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion: 83 Resp: 466308
 Ion Ratio Lower Upper
 83 100
 85 64.0 41.0 76.2
 127 7.6 5.5 8.3

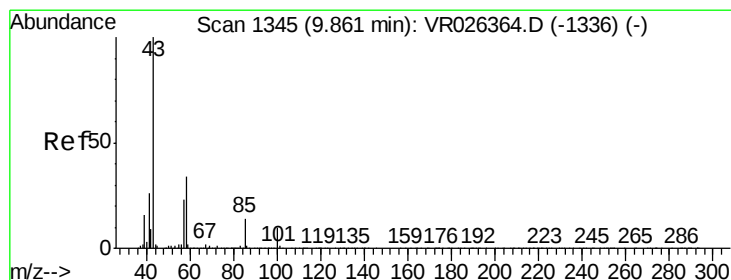
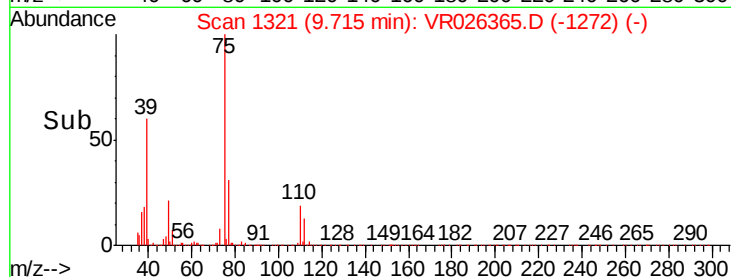
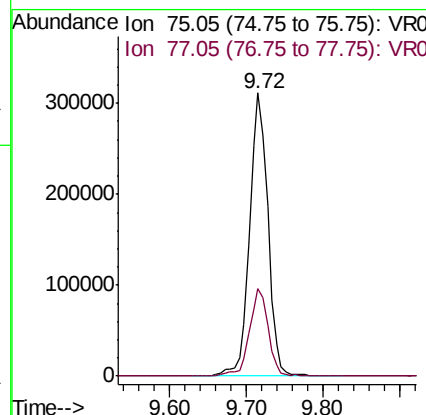
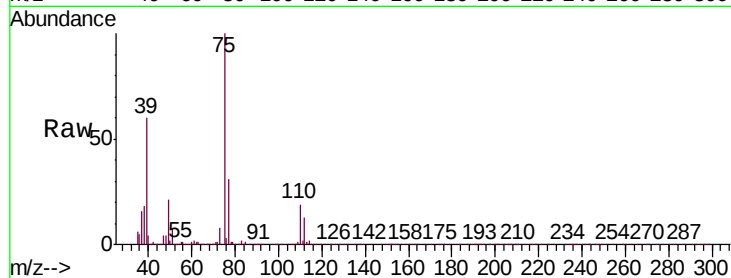




#39
 cis-1,3-Dichloropropene
 Concen: 12.569 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

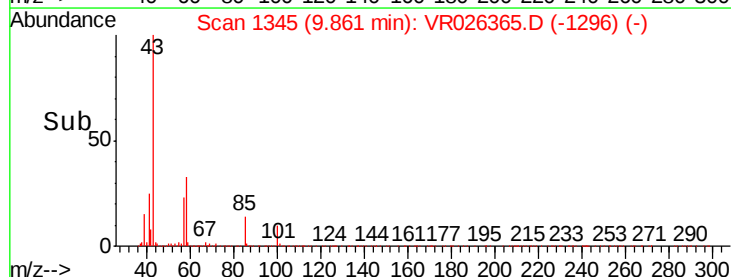
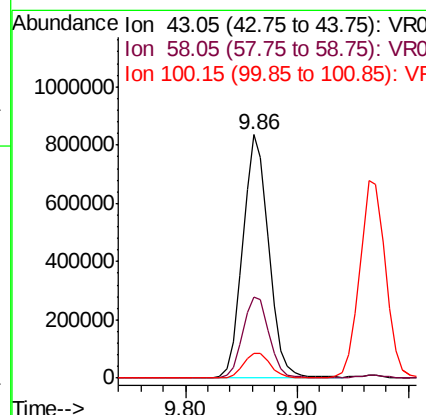
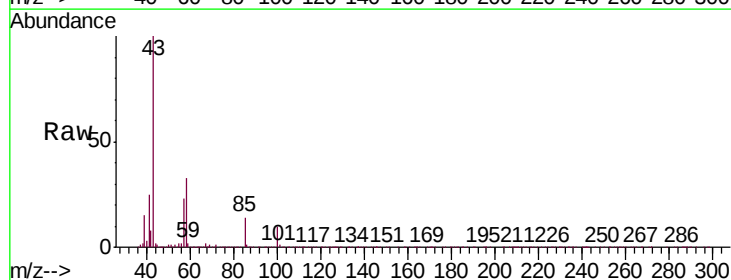
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

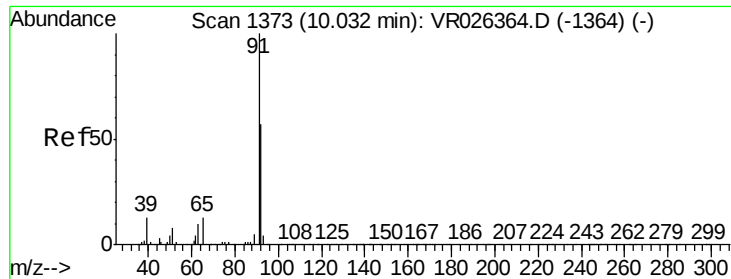
Tgt Ion: 75 Resp: 516326
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 132.308 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion: 43 Resp: 1345069
 Ion Ratio Lower Upper
 43 100
 58 33.9 26.7 40.1
 100 10.7 8.4 12.6





#42

Toluene

Concen: 11.256 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

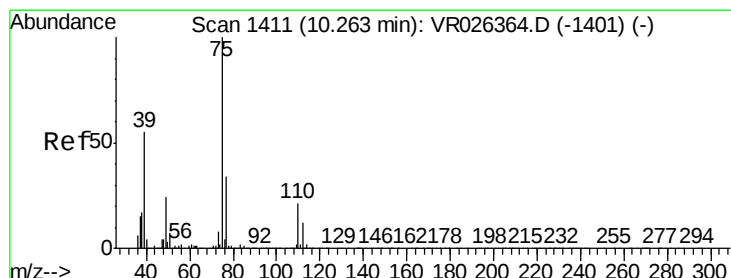
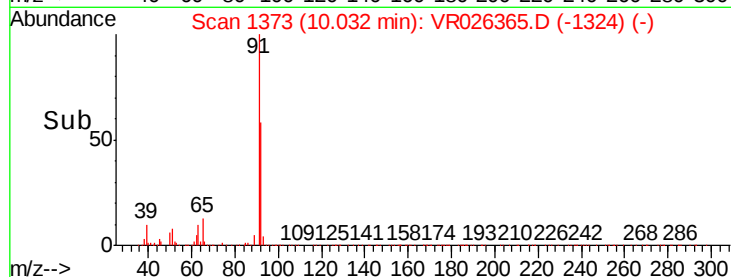
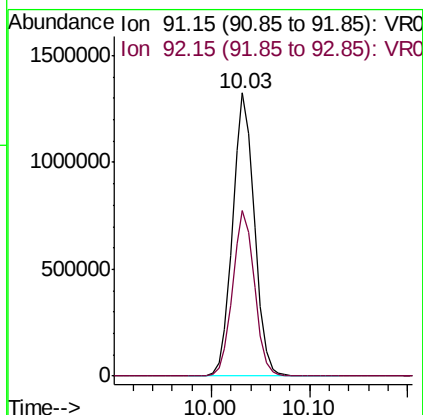
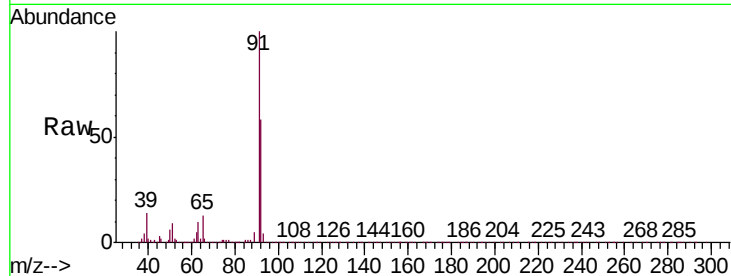
VSTD01084

Tgt Ion: 91 Resp: 2038555

Ion Ratio Lower Upper

91 100

92 58.4 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 12.168 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026365.D

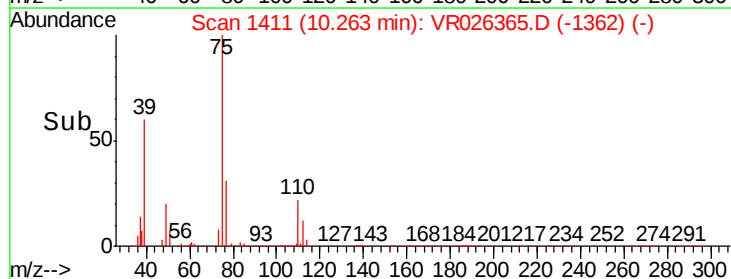
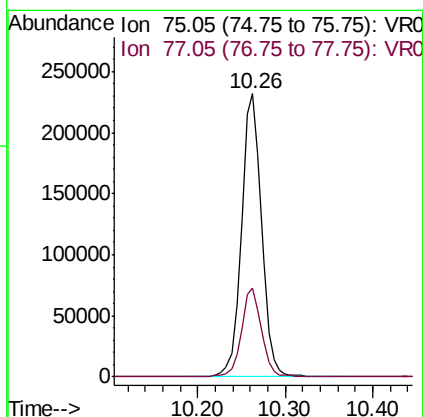
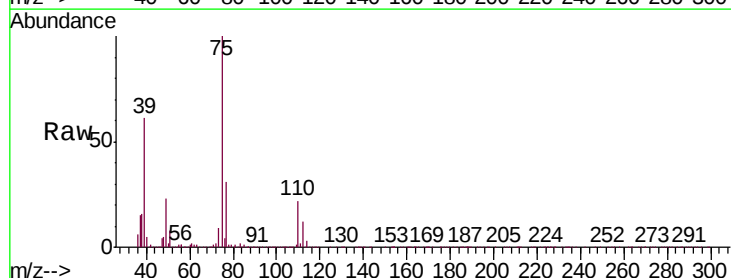
Acq: 22 Feb 2019 16:15

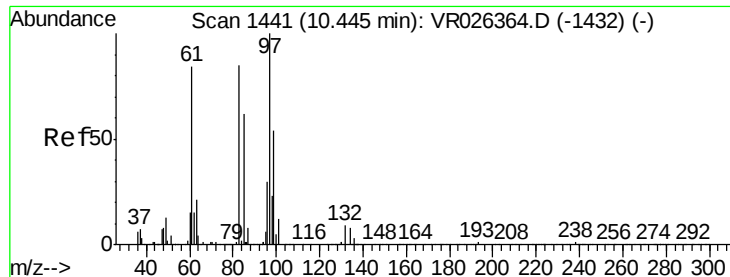
Tgt Ion: 75 Resp: 369579

Ion Ratio Lower Upper

75 100

77 31.3 23.9 44.3





#45

1,1,2-Trichloroethane

Concen: 9.729 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

Tgt Ion: 97 Resp: 159985

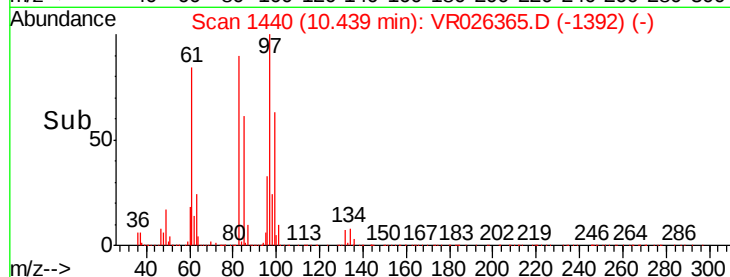
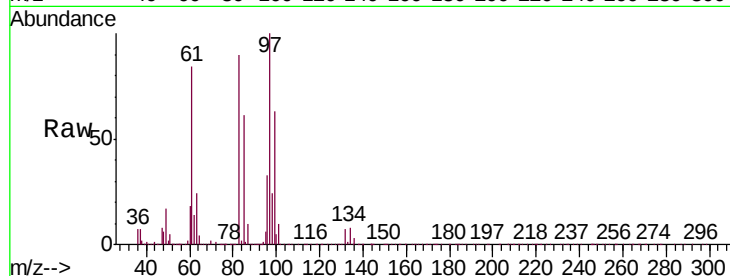
Ion Ratio Lower Upper

97 100

99 63.1 38.1 70.7

83 89.9 59.6 110.6

85 60.7 43.5 80.9

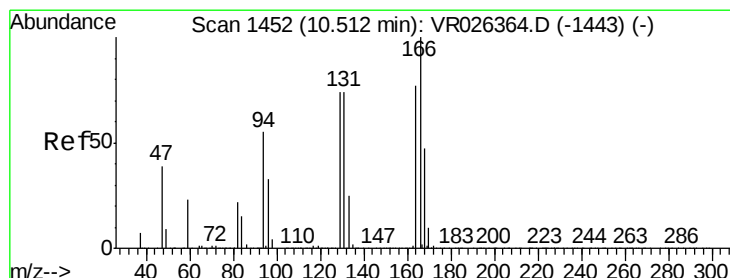
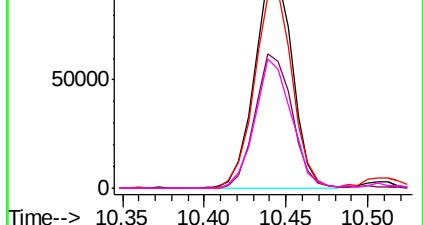


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 10.469 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Tgt Ion: 164 Resp: 349688

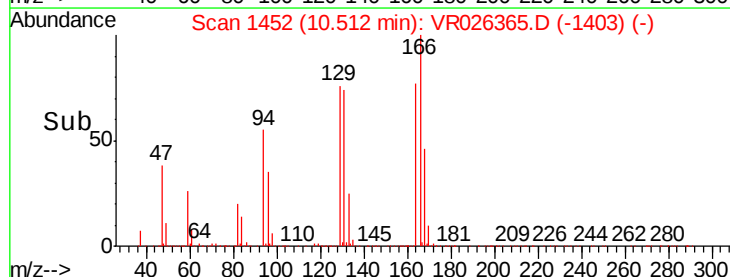
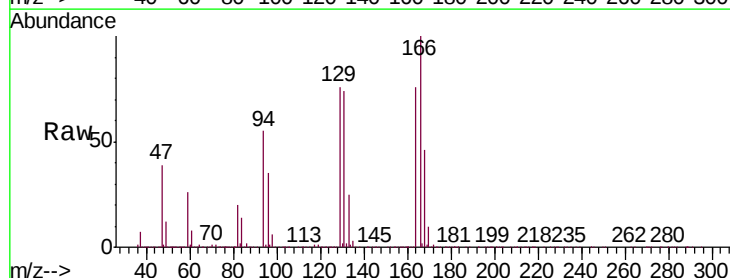
Ion Ratio Lower Upper

164 100

129 98.9 67.2 124.8

131 96.3 67.3 125.1

166 130.7 90.4 167.8

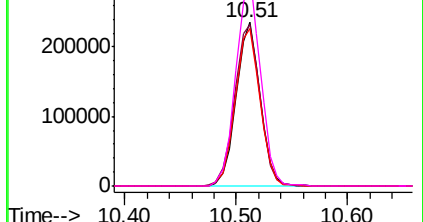


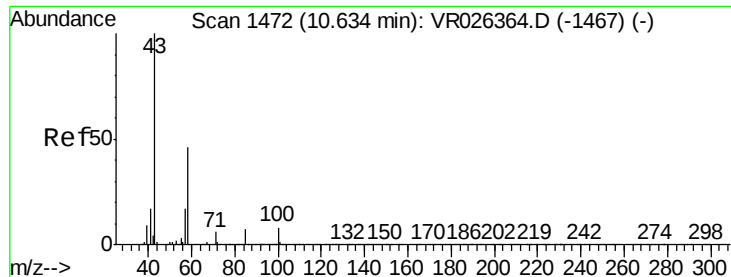
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

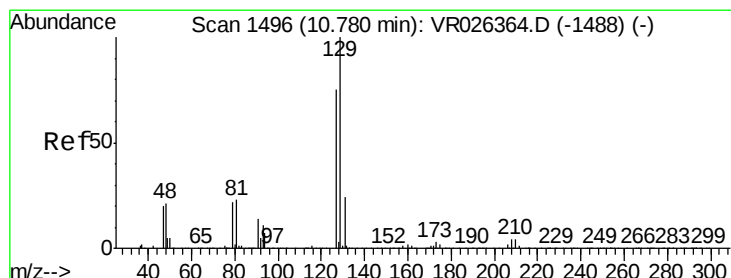
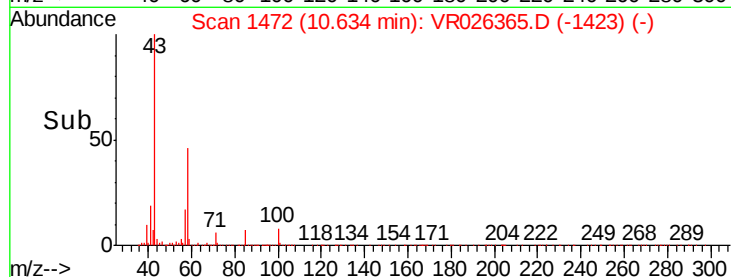
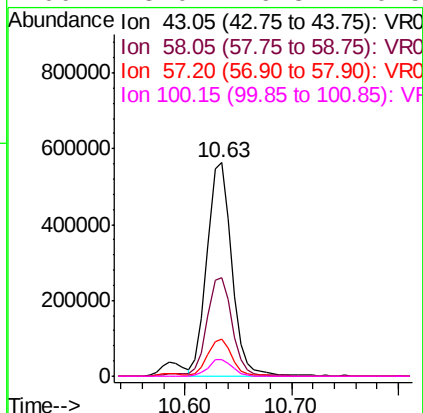
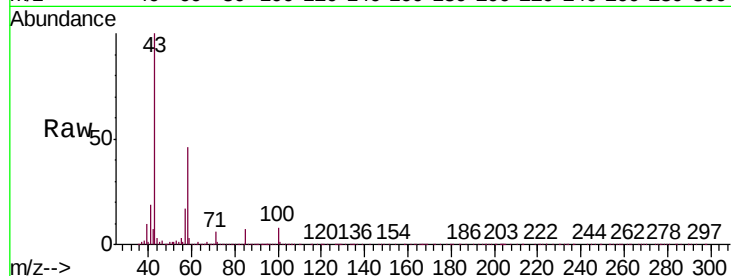




#48
2-Hexanone
Concen: 127.752 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

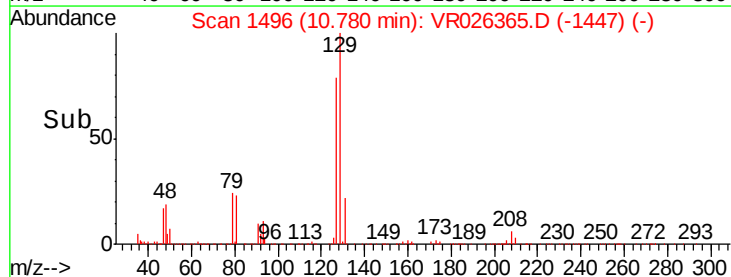
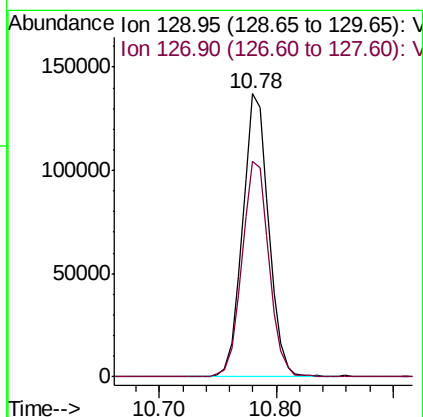
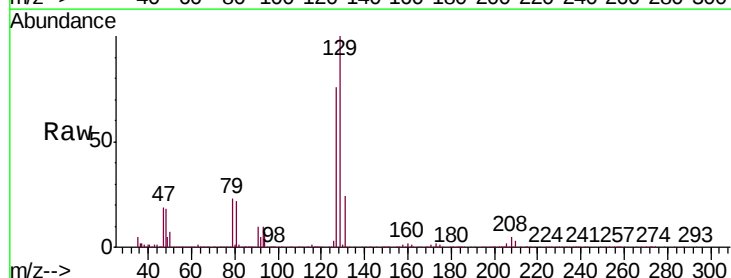
Instrument :
MSVOA_R
ClientSampleId :
VSTD01084

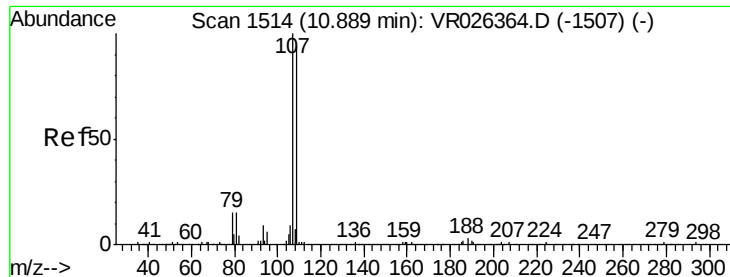
Tgt Ion:	43	Resp:	892153
Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.4	57.6
57	16.9	13.2	19.8
100	8.0	6.3	9.5



#49
Dibromochloromethane
Concen: 10.059 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VR026365.D
Acq: 22 Feb 2019 16:15

Tgt Ion:	129	Resp:	214083
Ion	Ratio	Lower	Upper
129	100		
127	76.2	52.1	96.7





#50

1,2-Dibromoethane

Concen: 10.668 ug/L

RT: 10.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

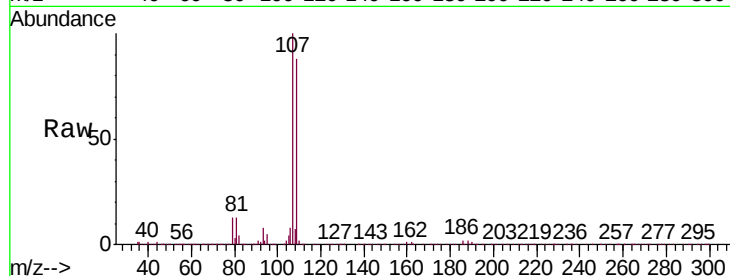
Tgt Ion:107 Resp: 141953

Ion Ratio Lower Upper

107 100

109 88.4 66.4 123.4

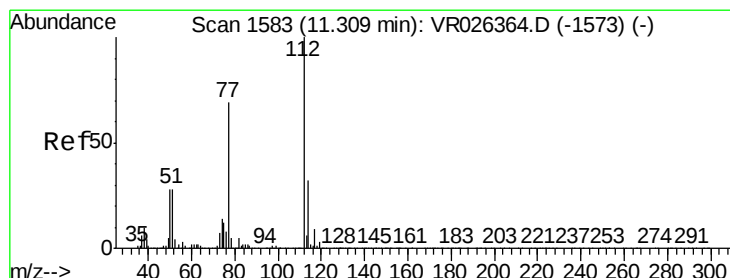
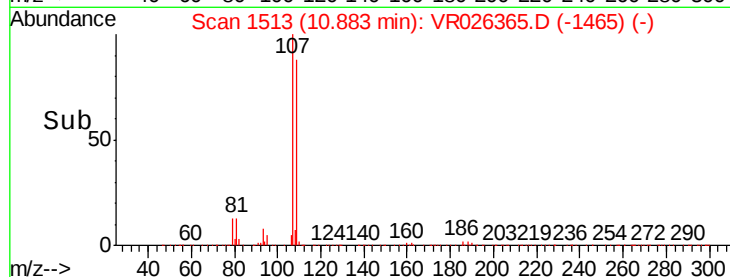
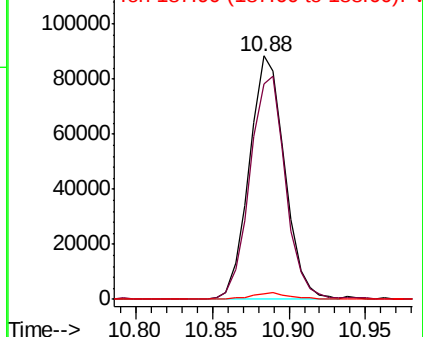
188 2.5 2.2 3.2



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 10.057 ug/L

RT: 11.31 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

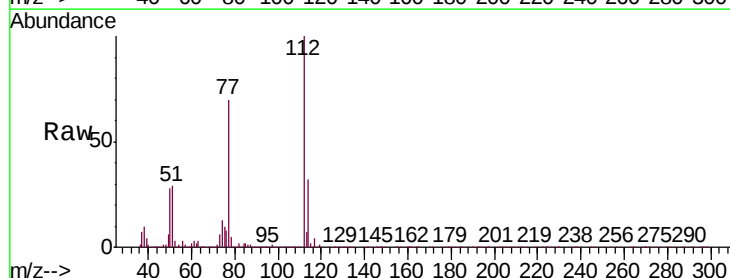
Tgt Ion:112 Resp: 1054971

Ion Ratio Lower Upper

112 100

114 32.2 22.0 41.0

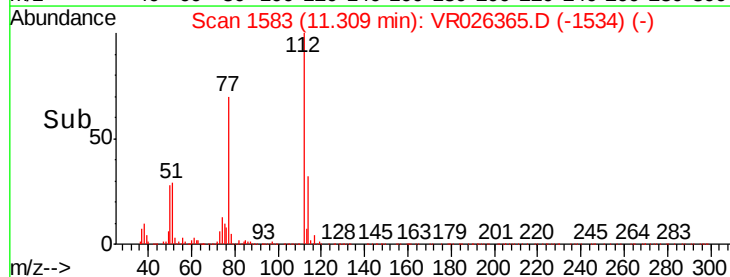
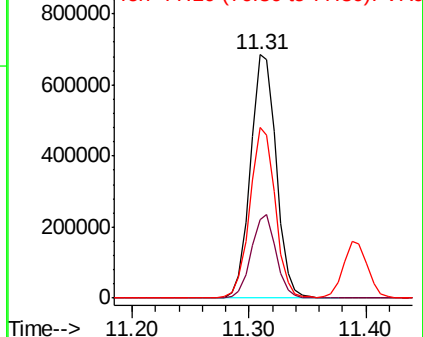
77 70.0 55.4 83.2

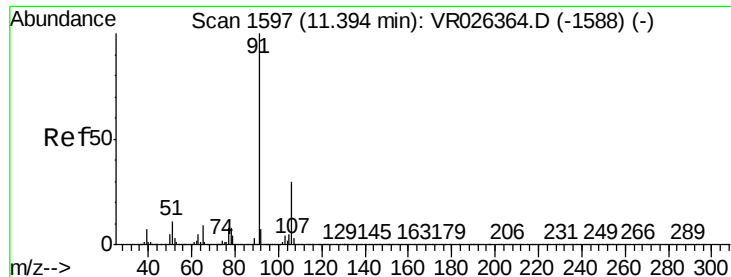


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 11.651 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

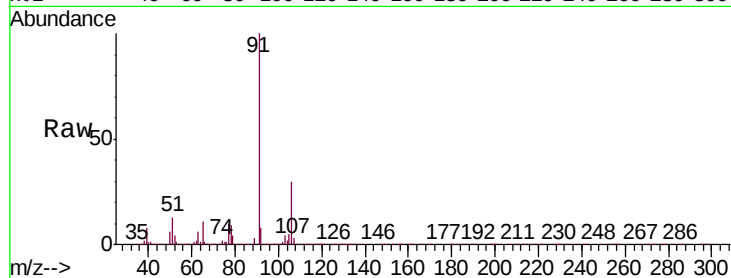
VSTD01084

Tgt Ion: 91 Resp: 2355001

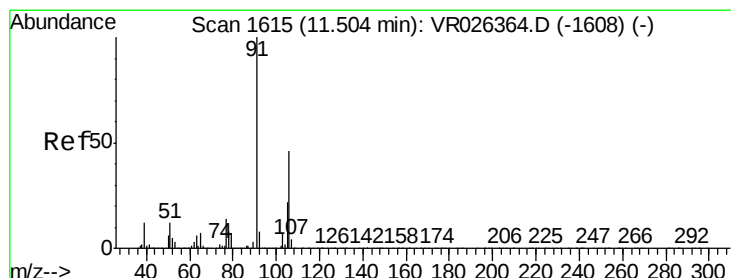
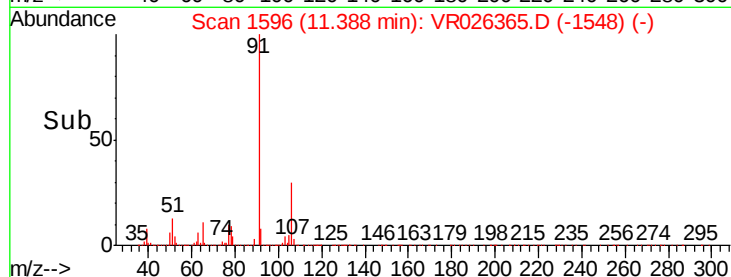
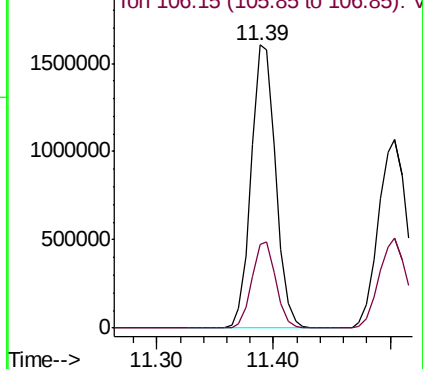
Ion Ratio Lower Upper

91 100

106 29.7 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VR0



#53

m,p-Xylene

Concen: 11.510 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026365.D

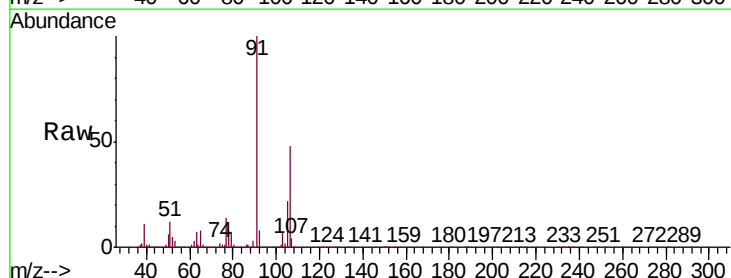
Acq: 22 Feb 2019 16:15

Tgt Ion: 106 Resp: 848760

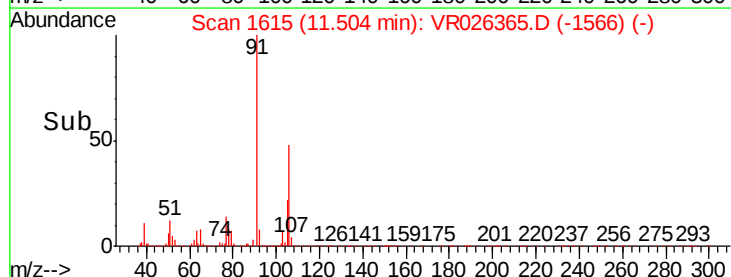
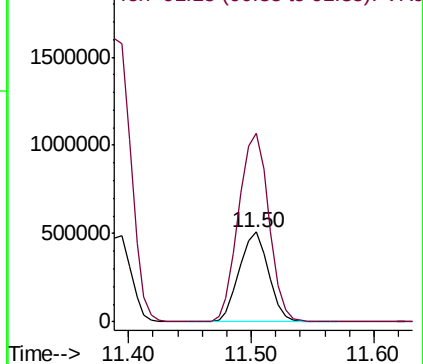
Ion Ratio Lower Upper

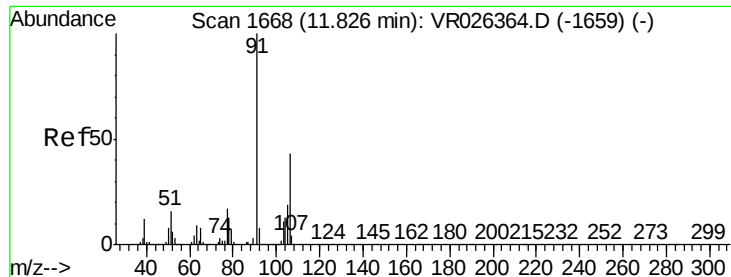
106 100

91 209.9 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V





#54

o-Xylene

Concen: 12.360 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

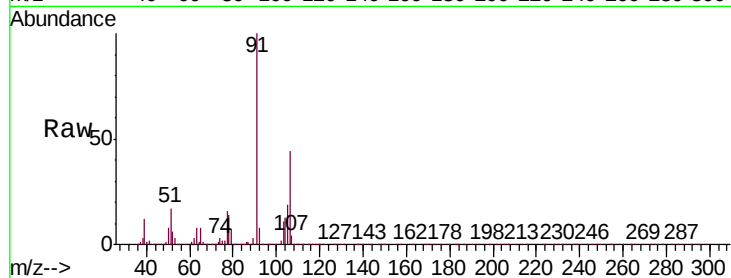
VSTD01084

Tgt Ion:106 Resp: 790876

Ion Ratio Lower Upper

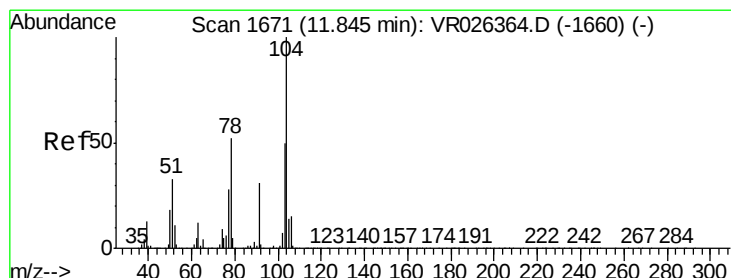
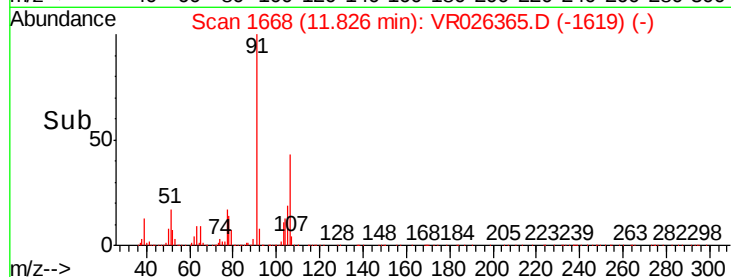
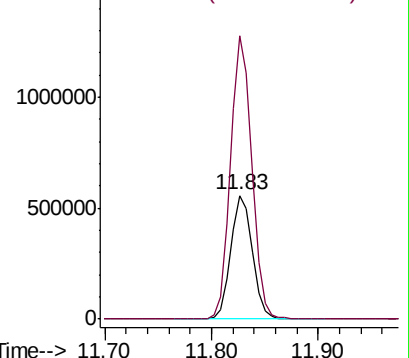
106 100

91 228.9 162.5 301.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 12.009 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026365.D

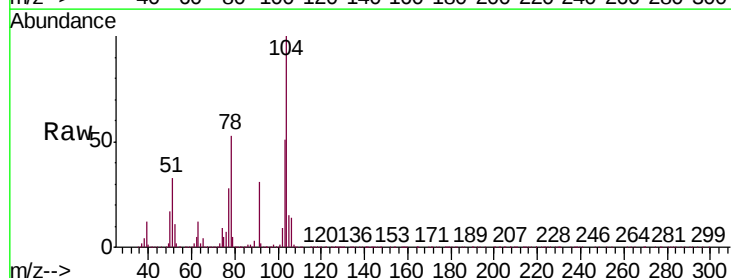
Acq: 22 Feb 2019 16:15

Tgt Ion:104 Resp: 1212180

Ion Ratio Lower Upper

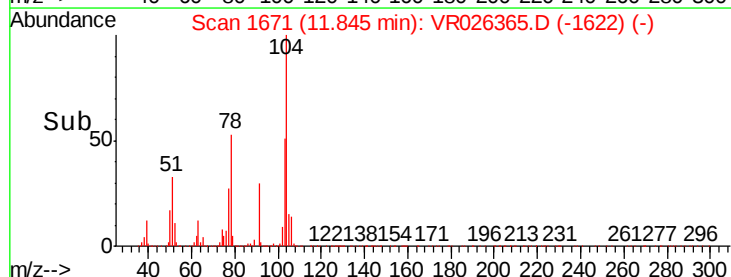
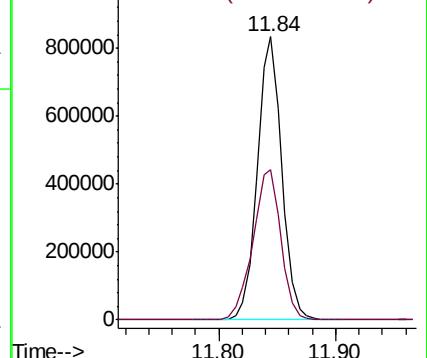
104 100

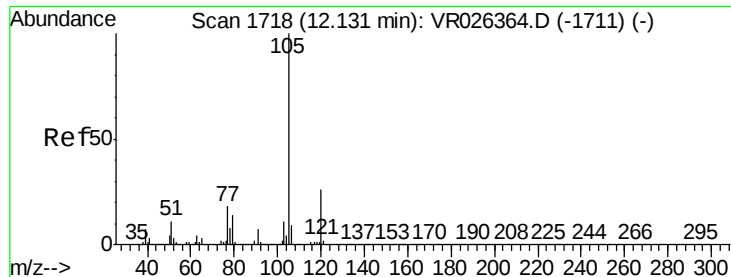
78 52.9 36.5 67.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 12.530 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

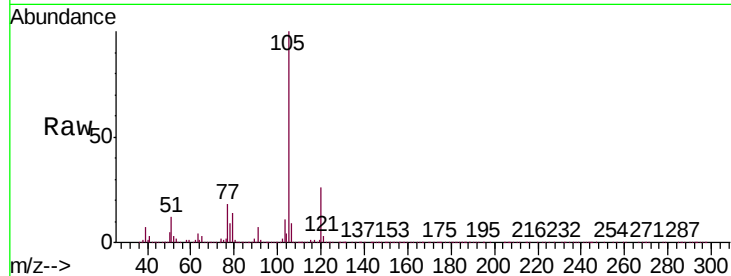
Tgt Ion:105 Resp: 2267229

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

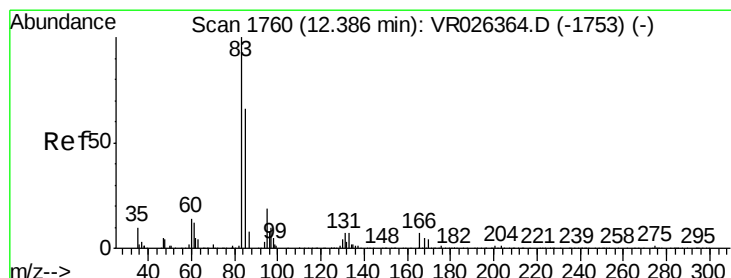
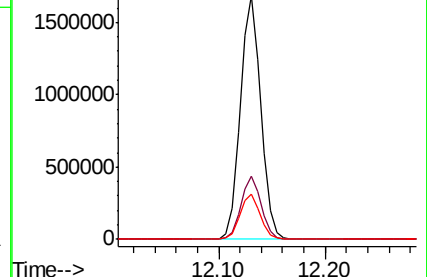
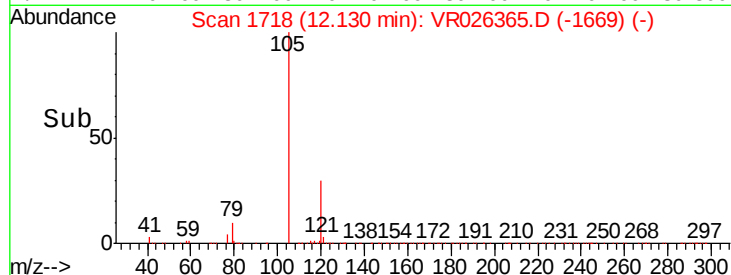
77 18.3 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 10.093 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

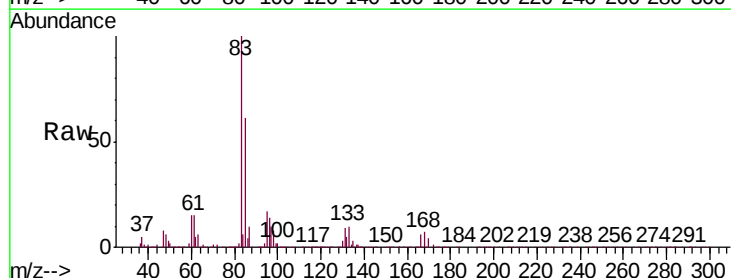
Tgt Ion: 83 Resp: 156114

Ion Ratio Lower Upper

83 100

85 61.5 46.1 85.7

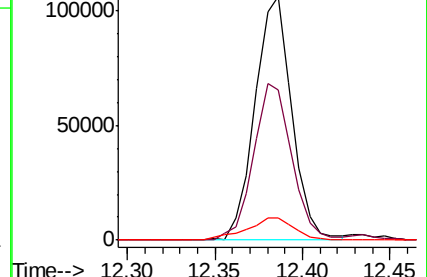
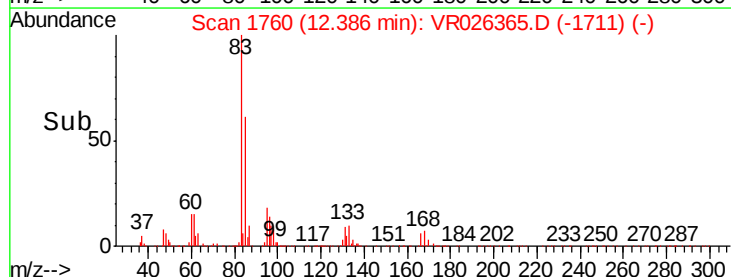
131 9.0 6.1 9.1

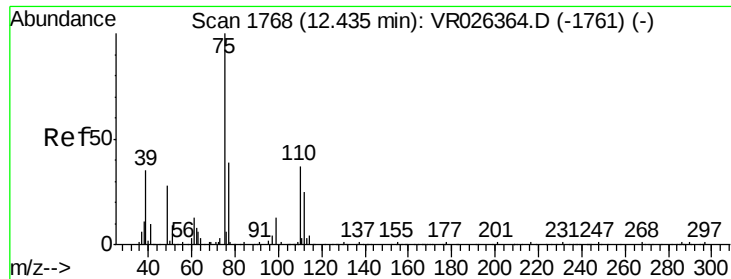


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.594 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

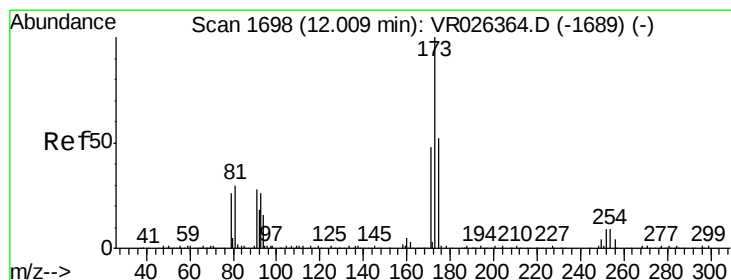
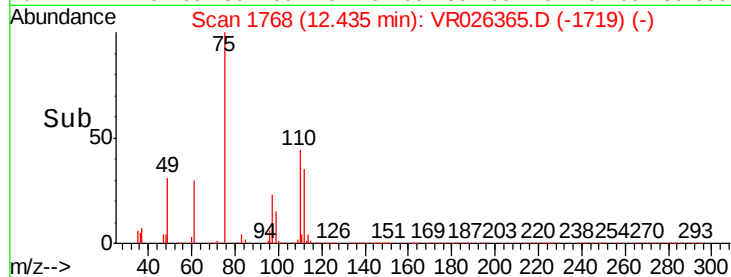
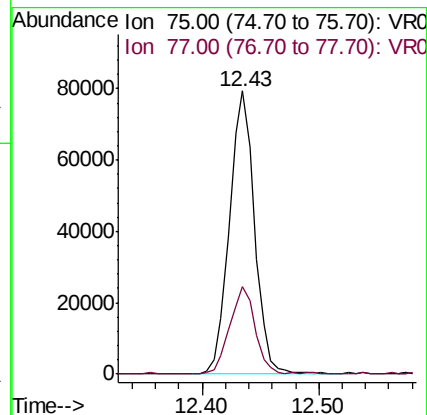
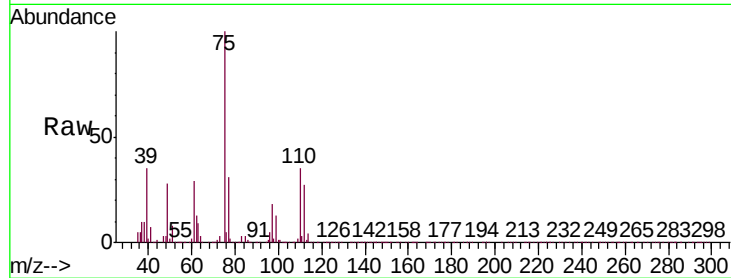
VSTD01084

Tgt Ion: 75 Resp: 118304

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



#61

Bromoform

Concen: 9.728 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

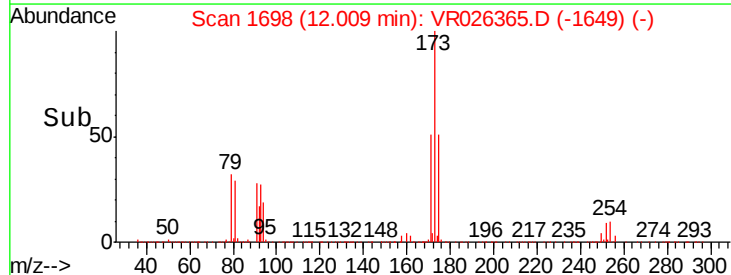
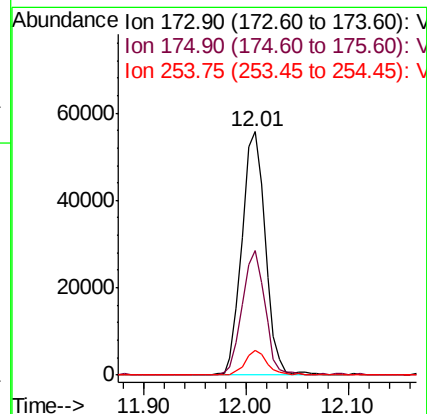
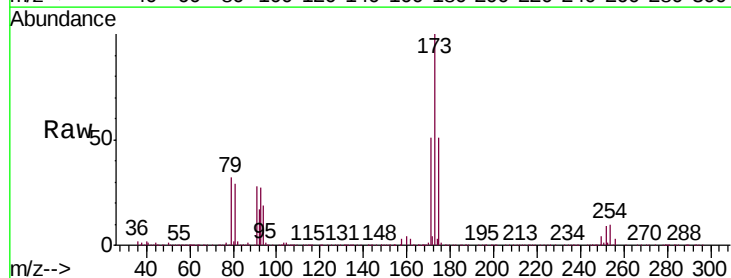
Tgt Ion: 173 Resp: 88338

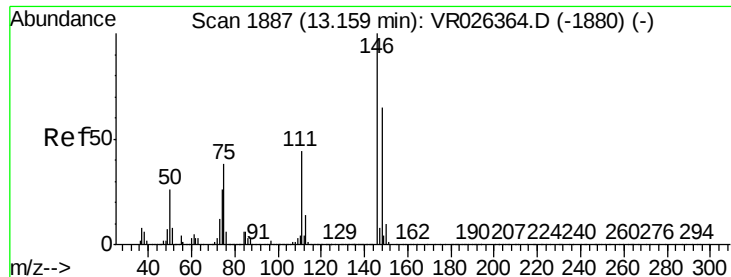
Ion Ratio Lower Upper

173 100

175 49.8 38.8 58.2

254 9.6 7.7 11.5

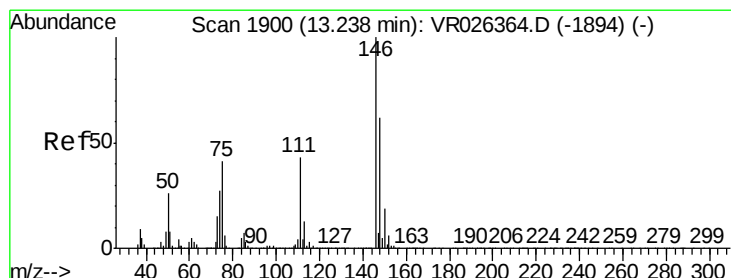
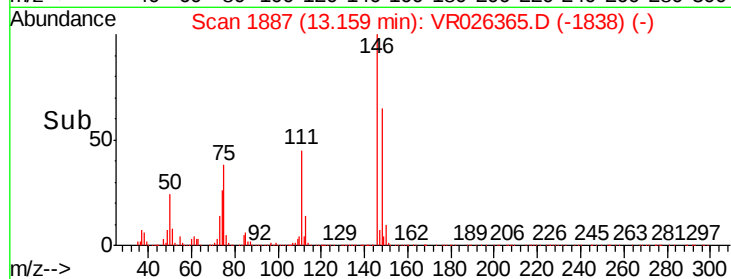
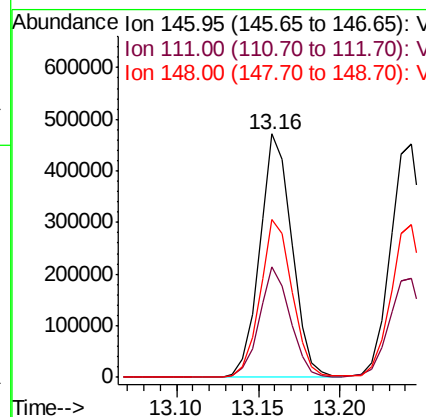
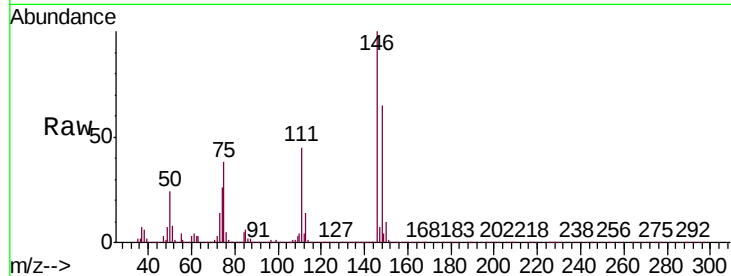




#62
 1,3-Dichlorobenzene
 Concen: 10.780 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

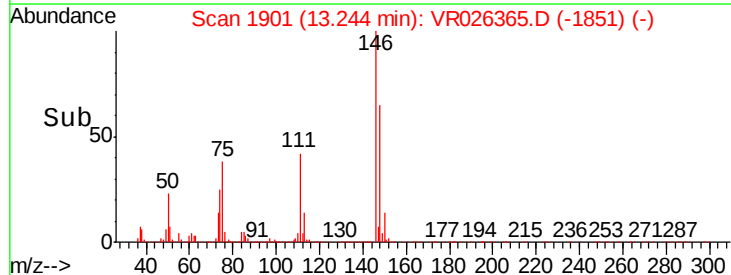
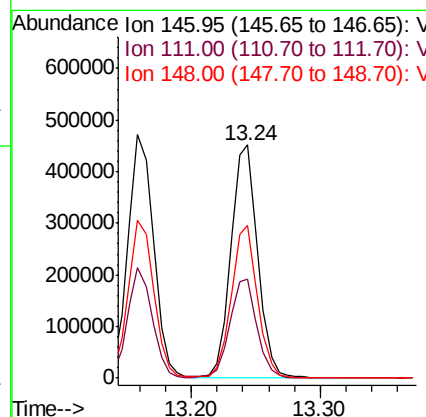
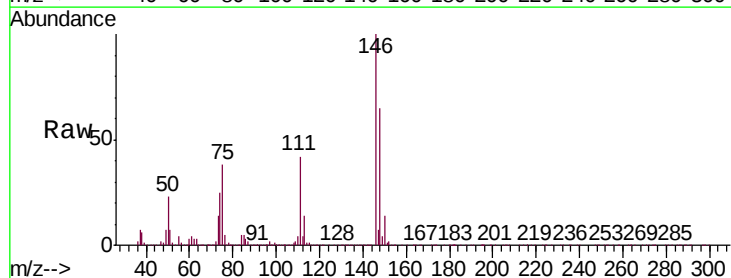
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

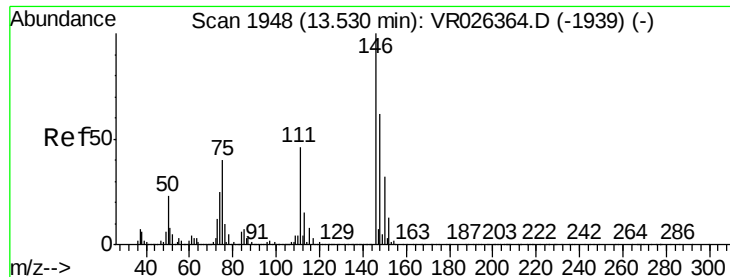
Tgt Ion:146 Resp: 644683
 Ion Ratio Lower Upper
 146 100
 111 45.1 31.1 57.9
 148 64.9 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 9.484 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.01 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion:146 Resp: 656973
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.0 55.8
 148 65.4 43.7 81.1

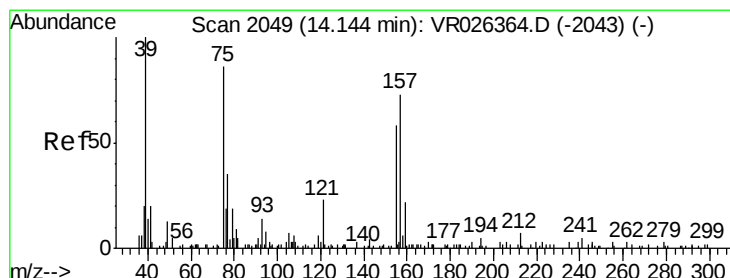
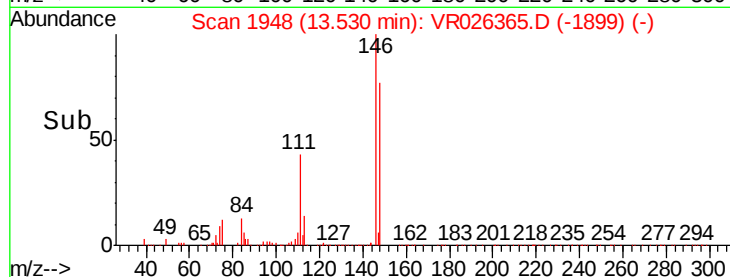
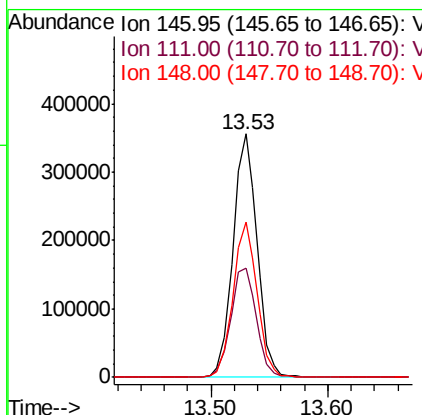
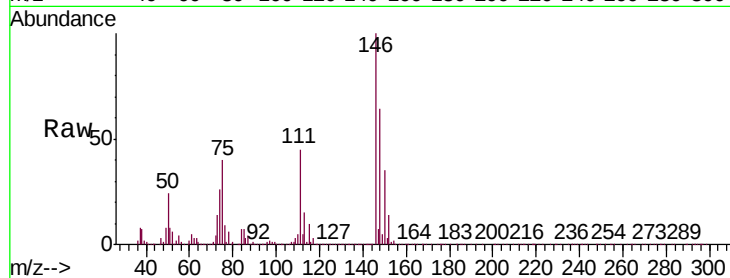




#65
 1,2-Dichlorobenzene
 Concen: 9.979 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

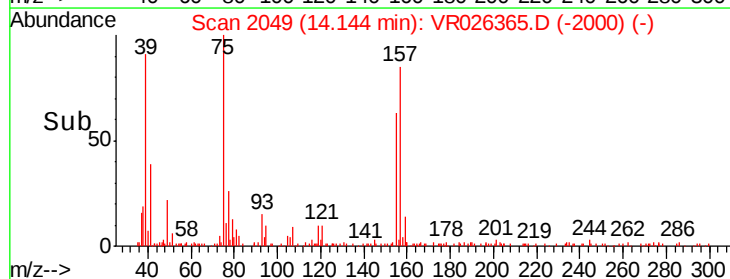
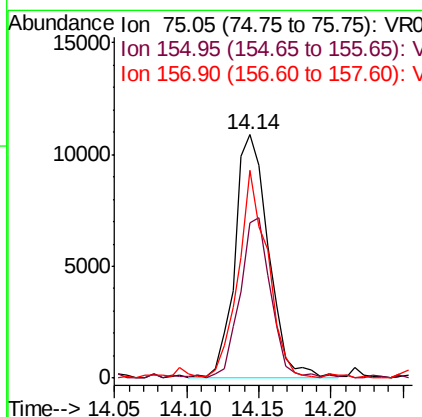
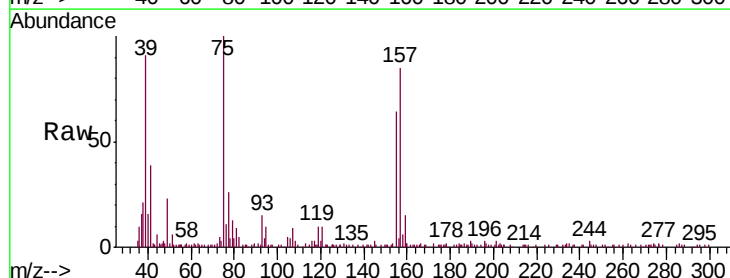
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

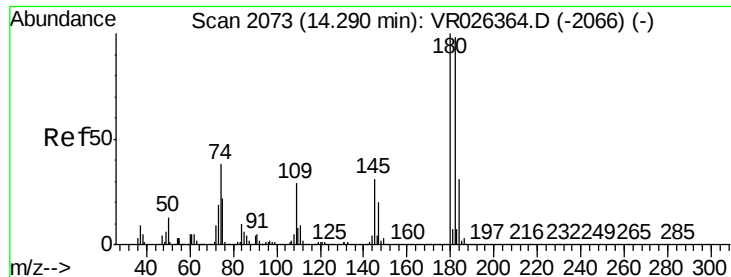
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	36.9	55.3
148	63.8	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.021 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.8	53.8	80.8
157	85.2	67.4	101.0

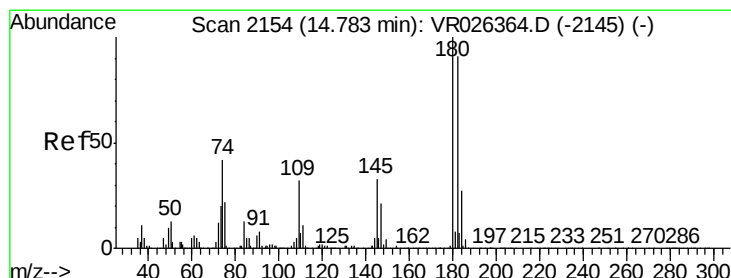
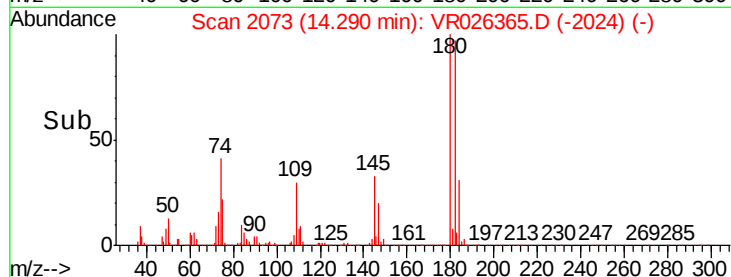
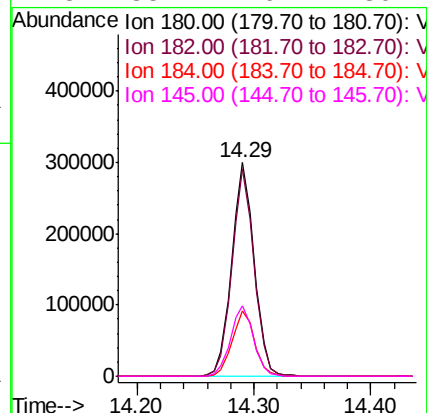
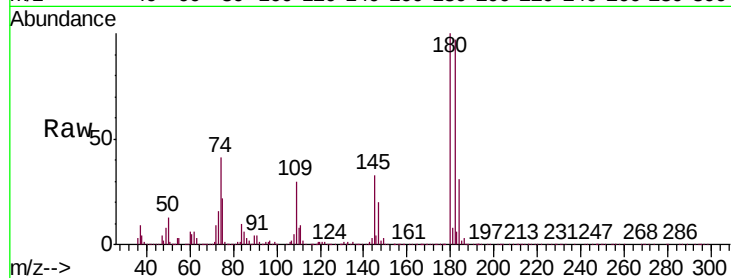




#67
 1,3,5-Trichlorobenzene
 Concen: 10.360 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

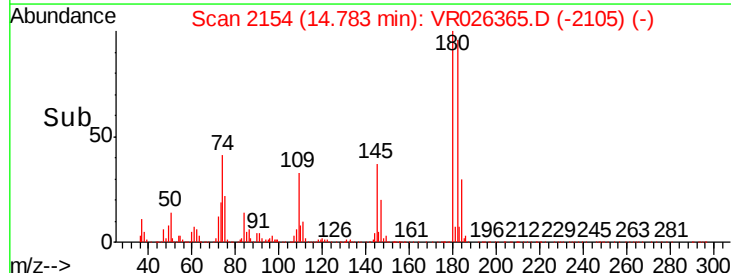
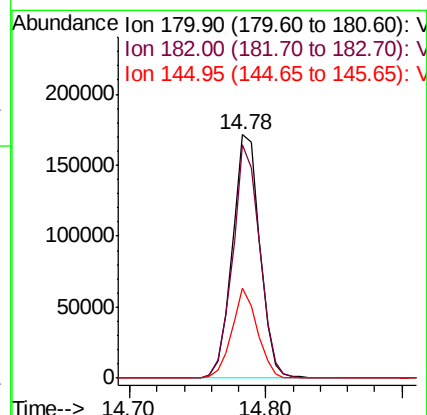
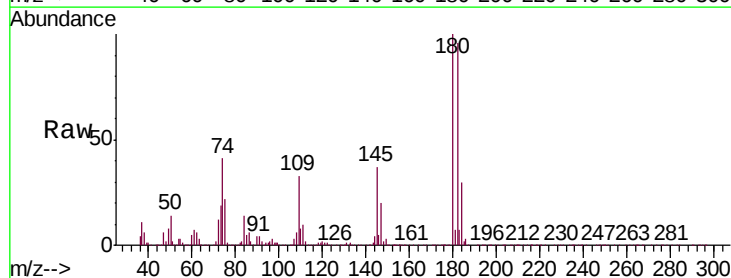
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01084

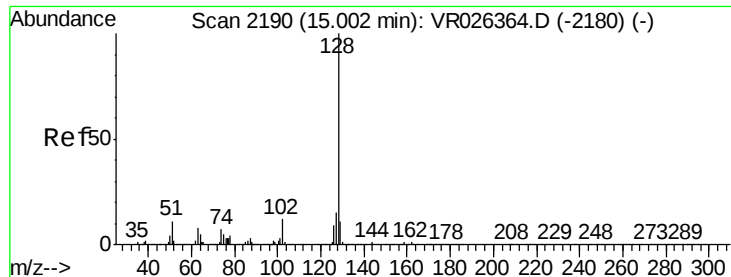
Tgt Ion:	180	Resp:	399520
Ion	Ratio	Lower	Upper
180	100		
182	95.8	79.0	118.6
184	30.5	25.5	38.3
145	33.4	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 11.367 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026365.D
 Acq: 22 Feb 2019 16:15

Tgt Ion:	180	Resp:	239700
Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.7	112.1
145	34.0	26.6	40.0





#69

Naphthalene

Concen: 12.902 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD01084

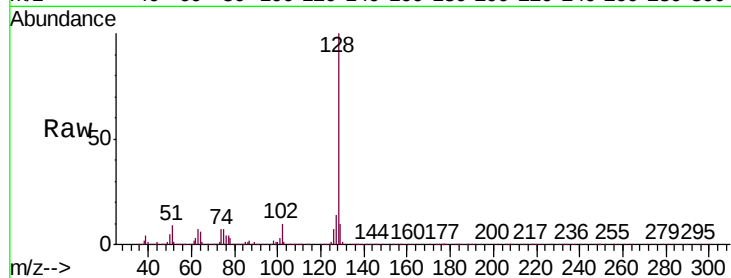
Tgt Ion:128 Resp: 256702

Ion Ratio Lower Upper

128 100

127 13.3 11.2 16.8

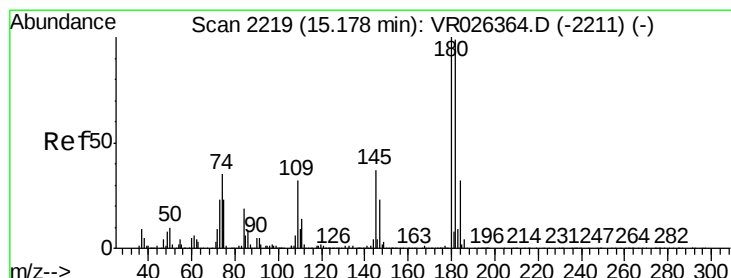
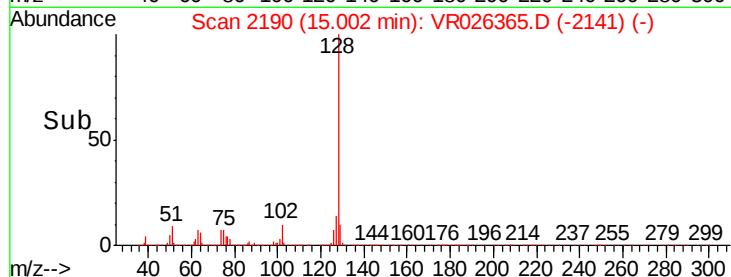
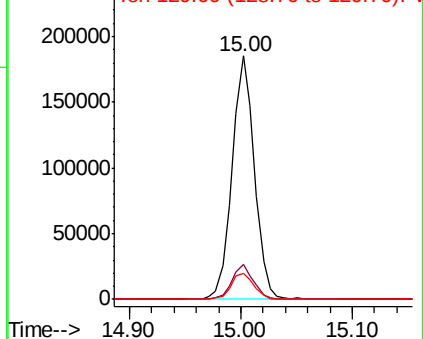
129 10.8 8.3 12.5



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: 10.718 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026365.D

Acq: 22 Feb 2019 16:15

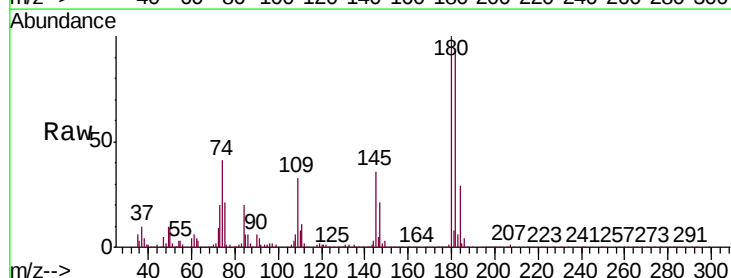
Tgt Ion:180 Resp: 171415

Ion Ratio Lower Upper

180 100

182 94.4 77.4 116.0

145 36.7 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

