

Data File : VR025539.D
Acq On : 30 Jul 2018 13:02
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Quant Time: Jul 30 14:29:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 30 13:26:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	625003	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	529668	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	233914	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	193997	11.26	ug/L	0.00
7) Chloroethane-d5	2.63	69	158278	10.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.64	63	456569	8.75	ug/L	0.00
20) 2-Butanone-d5	6.60	46	163582	30.57	ug/L	0.00
24) Chloroform-d	7.21	84	321333	3.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	111395	3.41	ug/L	0.00
32) Benzene-d6	7.86	84	724885	4.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	187034	3.64	ug/L	0.00
41) Toluene-d8	9.97	98	736274	4.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	48402	3.55	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	167970	38.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85584	3.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	177214	4.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	184197	5.217 ug/L	99
3) Chloromethane	2.01	50	239823	11.457 ug/L	96
5) Vinyl chloride	2.16	62	244164	12.983 ug/L	97
6) Bromomethane	2.53	94	143847	12.998 ug/L	91
8) Chloroethane	2.67	64	136429	11.652 ug/L	99
9) Trichlorofluoromethane	2.98	101	343572	11.181 ug/L	# 73
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	220932	11.811 ug/L	95
12) 1,1-Dichloroethene	3.65	96	223097	11.940 ug/L	78
13) Acetone	3.71	43	133123	55.211 ug/L	87
14) Carbon disulfide	3.97	76	541319	12.731 ug/L	98
15) Methyl Acetate	4.21	43	42086	7.801 ug/L	92
16) Methylene chloride	4.41	84	179323	9.797 ug/L	89
17) Methyl tert-butyl Ether	4.91	73	223965	3.678 ug/L	96
18) trans-1,2-Dichloroethene	4.89	96	214433	4.613 ug/L	84
19) 1,1-Dichloroethane	5.70	63	315764	3.960 ug/L	98
21) 2-Butanone	6.69	43	195650	34.834 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	199475	4.676 ug/L	84
23) Bromochloromethane	7.05	128	63480	4.622 ug/L	# 83
25) Chloroform	7.24	83	305509	3.989 ug/L	98
27) 1,2-Dichloroethane	8.00	62	125417	3.652 ug/L	# 96
29) 1,1,1-Trichloroethane	7.44	97	232888	4.323 ug/L	99
30) Cyclohexane	7.52	56	299207	5.177 ug/L	90
31) Carbon tetrachloride	7.64	117	249179	5.228 ug/L	98
33) Benzene	7.91	78	818006	4.480 ug/L	100
34) Trichloroethene	8.71	95	199307	4.288 ug/L	88
35) Methylcyclohexane	8.96	83	342389	5.510 ug/L	92
37) 1,2-Dichloropropane	9.00	63	175198	4.128 ug/L	98
38) Bromodichloromethane	9.29	83	175525	4.058 ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	203759	4.270 ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	519008	42.201 ug/L	98

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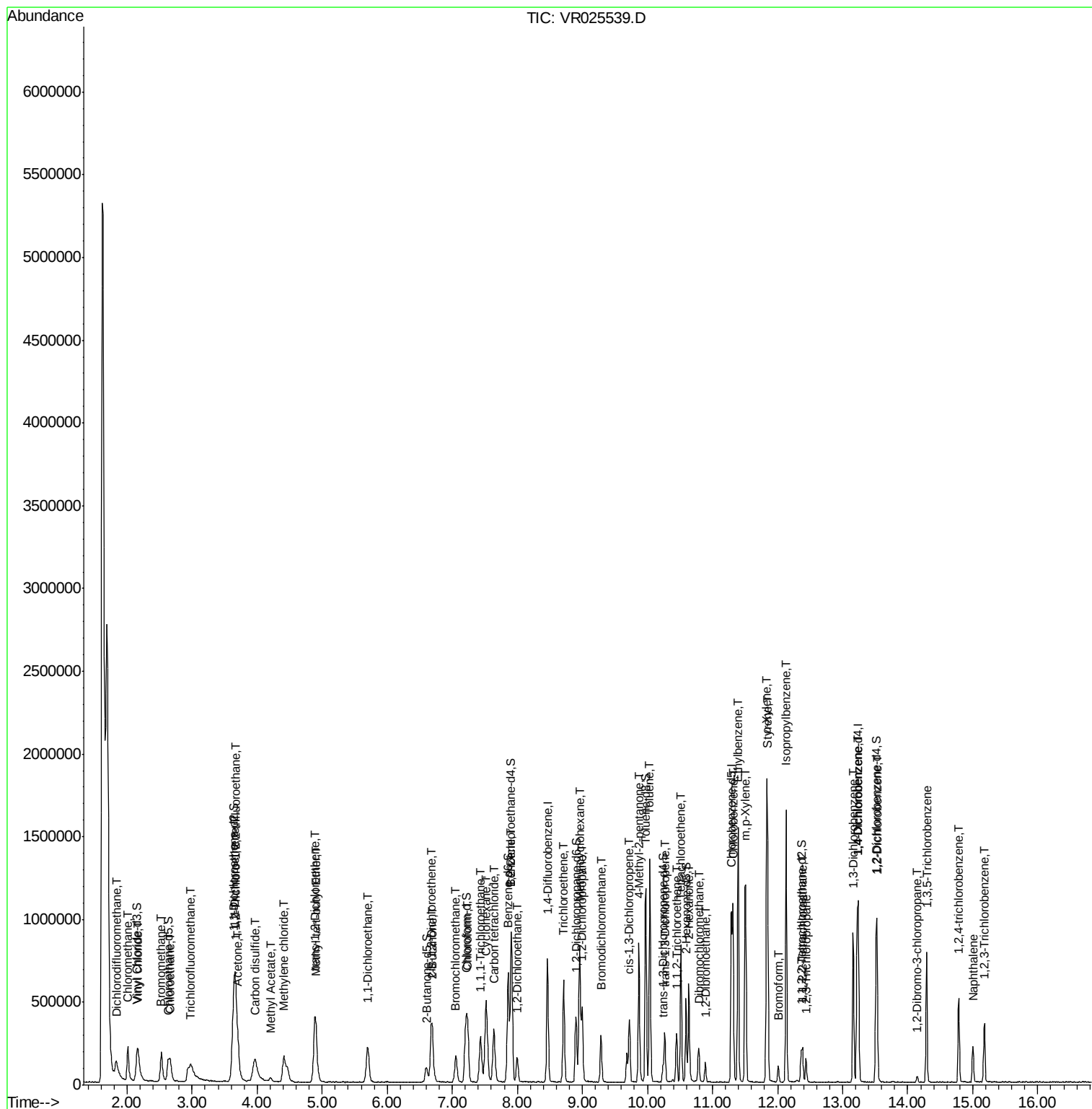
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	912499	5.140	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	142287	4.060	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	84935	4.085	ug/L	93
47) Tetrachloroethene	10.52	164	178622	5.886	ug/L	93
48) 2-Hexanone	10.64	43	345145	40.797	ug/L	97
49) Dibromochloromethane	10.79	129	101949	4.703	ug/L	97
50) 1,2-Dibromoethane	10.89	107	73011	4.334	ug/L #	96
51) Chlorobenzene	11.32	112	530122	4.904	ug/L	89
52) Ethylbenzene	11.39	91	999596	5.251	ug/L	97
53) m,p-Xylene	11.51	106	389869	5.457	ug/L	78
54) o-Xylene	11.83	106	356586	5.795	ug/L	90
55) Styrene	11.85	104	573441	5.664	ug/L	81
56) Isopropylbenzene	12.13	105	952035	5.843	ug/L	95
58) 1,1,2,2-Tetrachloroethane	12.38	83	83909	4.097	ug/L #	98
59) 1,2,3-Trichloropropane	12.44	75	55008	3.731	ug/L	95
61) Bromoform	12.01	173	43297	4.545	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	346579	5.057	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	366811	4.821	ug/L	94
65) 1,2-Dichlorobenzene	13.53	146	290993	4.886	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.14	75	7315	2.777	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	226054	5.050	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	140889	4.579	ug/L	96
69) Naphthalene	15.00	128	166641	4.229	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	109765	4.625	ug/L	98

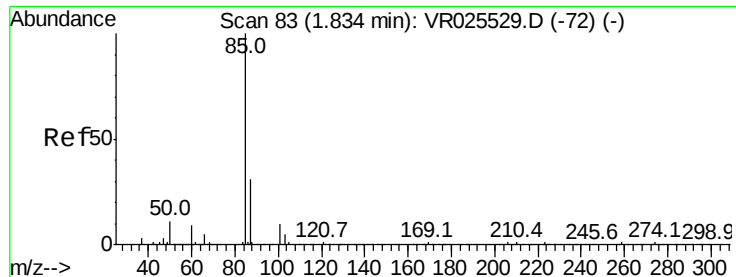
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.217 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.00 min

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Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

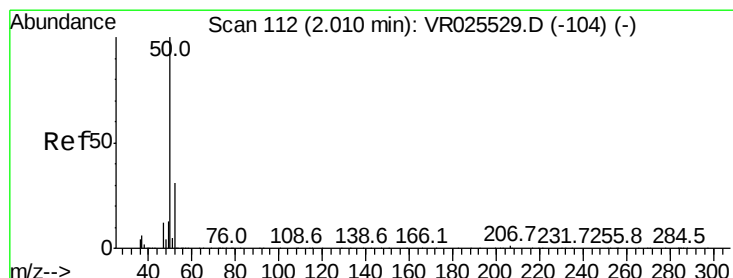
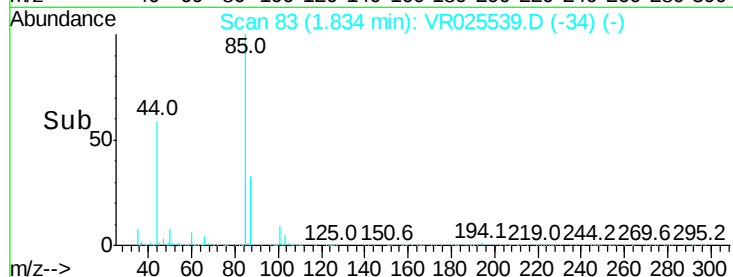
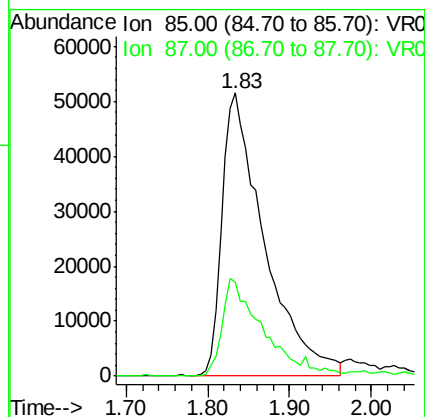
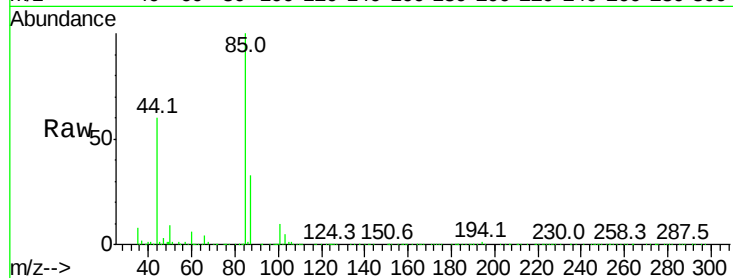
VSTD00583

Tgt Ion: 85 Resp: 184197

Ion Ratio Lower Upper

85 100

87 31.3 25.4 38.0



#3

Chloromethane

Concen: 11.457 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025539.D

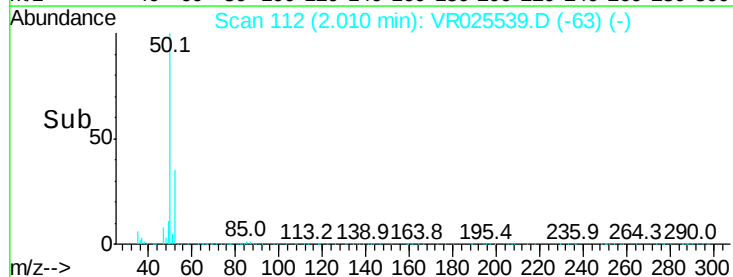
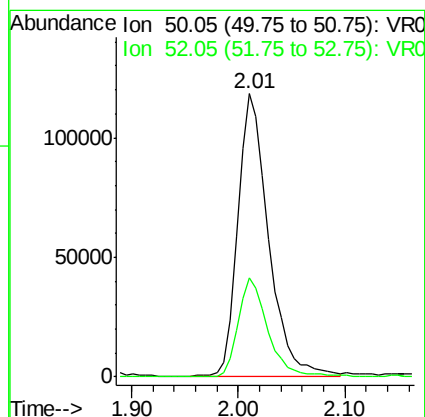
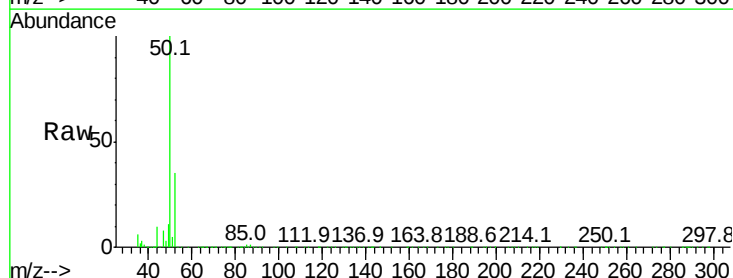
Acq: 30 Jul 2018 13:02

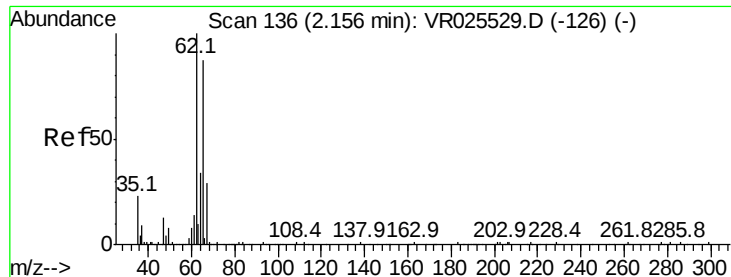
Tgt Ion: 50 Resp: 239823

Ion Ratio Lower Upper

50 100

52 34.9 22.8 42.4





#5

Vinyl chloride

Concen: 12.983 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

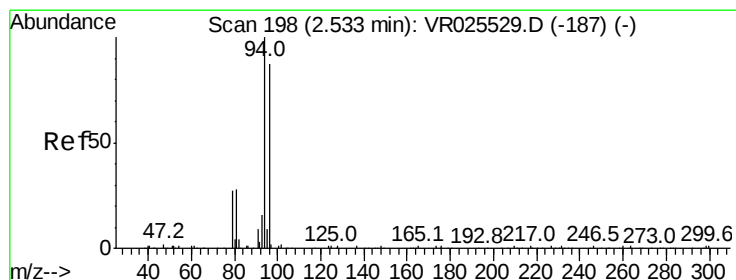
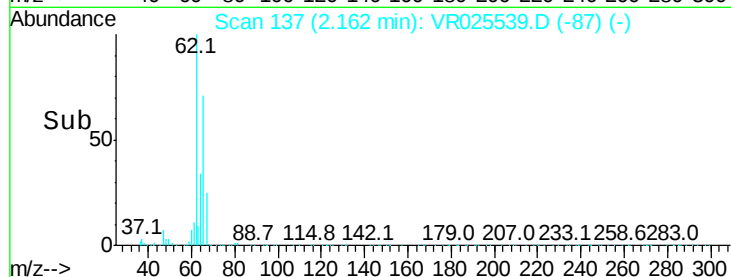
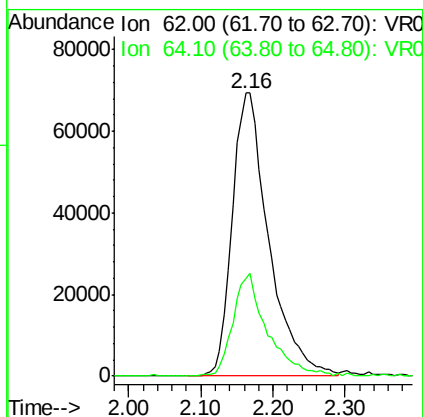
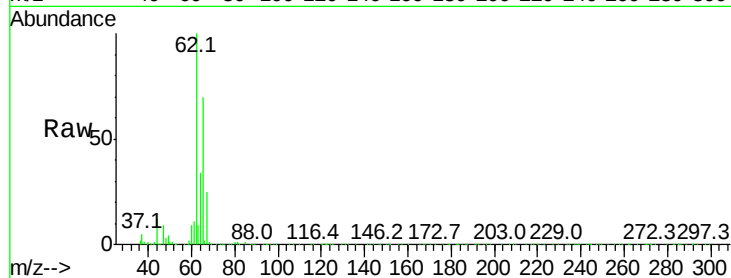
VSTD00583

Tgt Ion: 62 Resp: 244164

Ion Ratio Lower Upper

62 100

64 34.5 22.8 42.4



#6

Bromomethane

Concen: 12.998 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025539.D

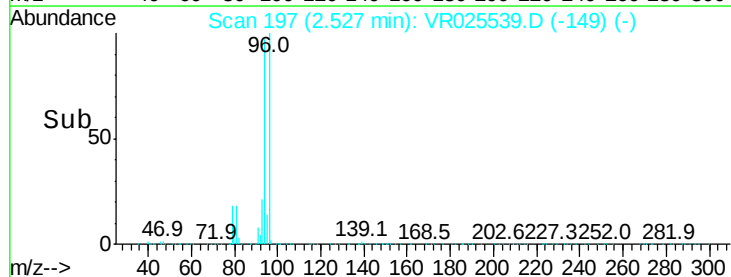
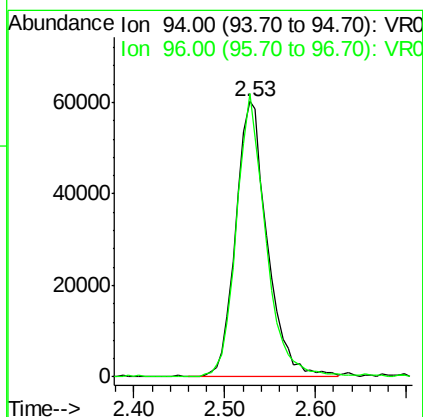
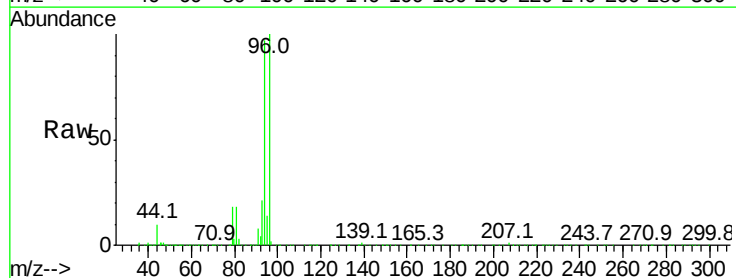
Acq: 30 Jul 2018 13:02

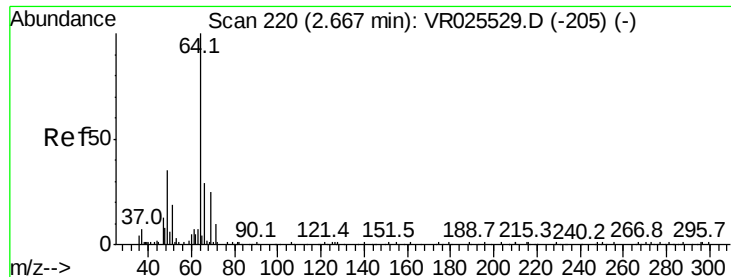
Tgt Ion: 94 Resp: 143847

Ion Ratio Lower Upper

94 100

96 102.8 65.9 122.3





#8

Chloroethane

Concen: 11.652 ug/L

RT: 2.67 min Scan# 220

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

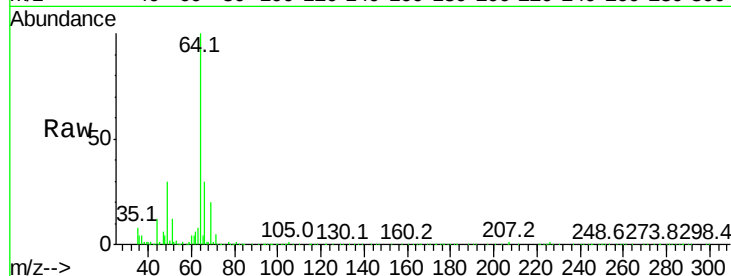
VSTD00583

Tgt Ion: 64 Resp: 136429

Ion Ratio Lower Upper

64 100

66 29.9 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

60000

50000

40000

30000

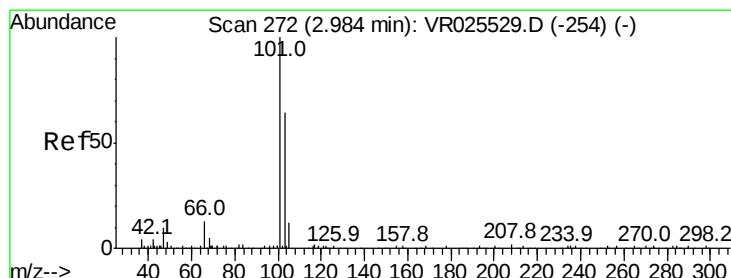
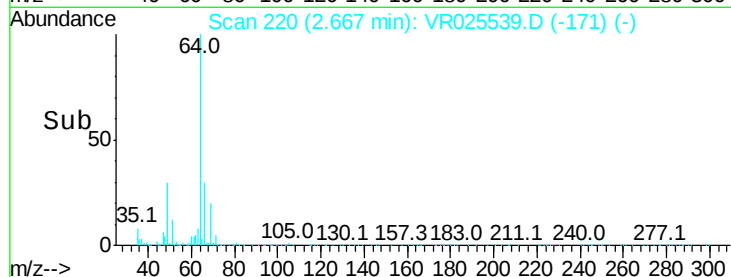
20000

10000

0

Time-->

2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 11.181 ug/L

RT: 2.98 min Scan# 271

Delta R.T. -0.01 min

Lab File: VR025539.D

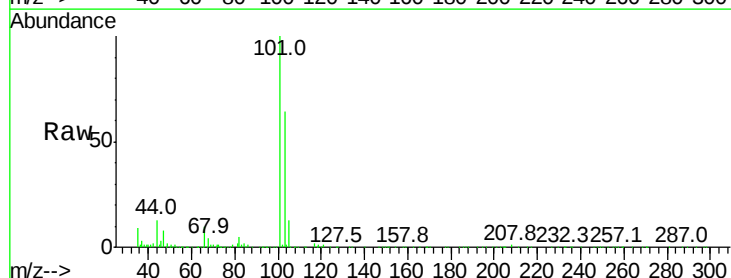
Acq: 30 Jul 2018 13:02

Tgt Ion: 101 Resp: 343572

Ion Ratio Lower Upper

101 100

103 24.7 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.98

50000

40000

30000

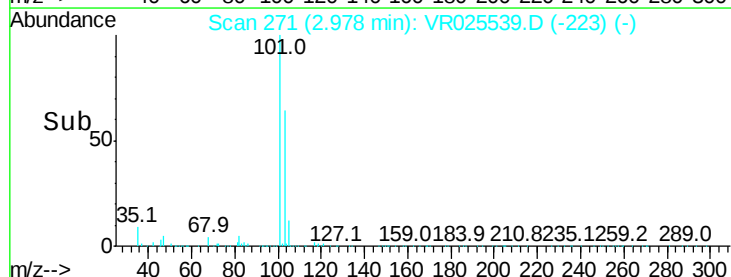
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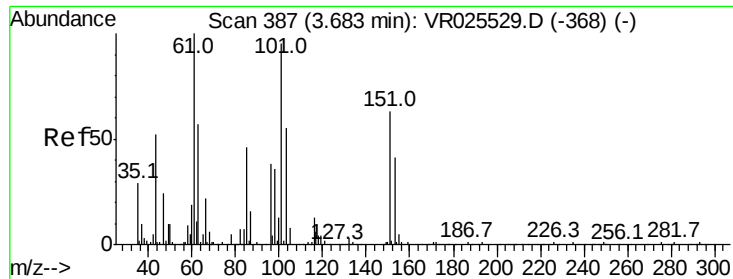
10000

0

Time-->

2.80 3.00 3.20





#10

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

Concen: 11.811 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

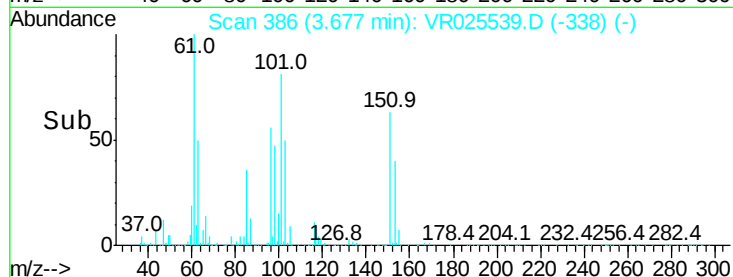
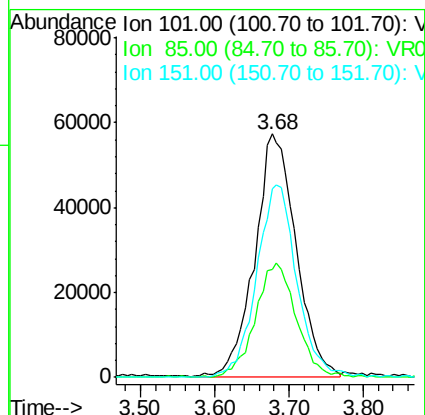
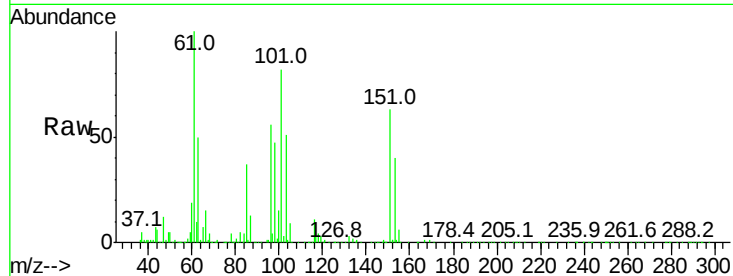
Tgt Ion:101 Resp: 220932

Ion Ratio Lower Upper

101 100

85 46.7 39.1 58.7

151 77.4 57.5 86.3



#12

1,1-Dichloroethene

Concen: 11.940 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

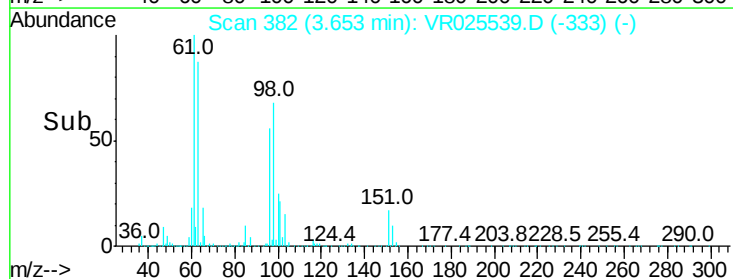
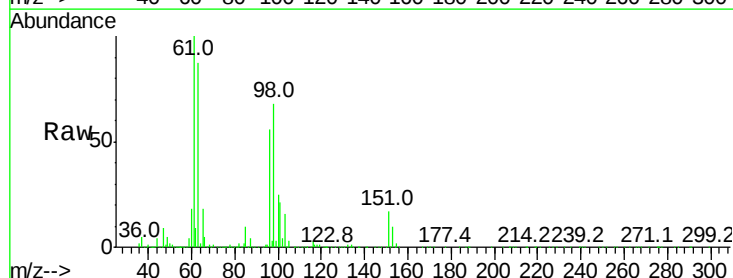
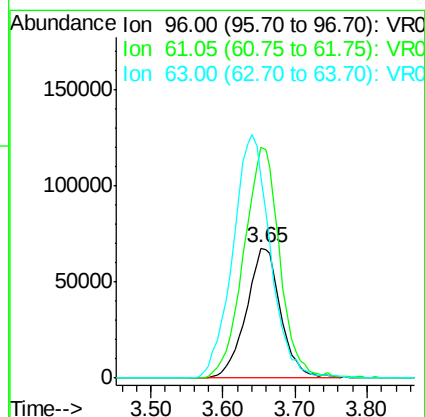
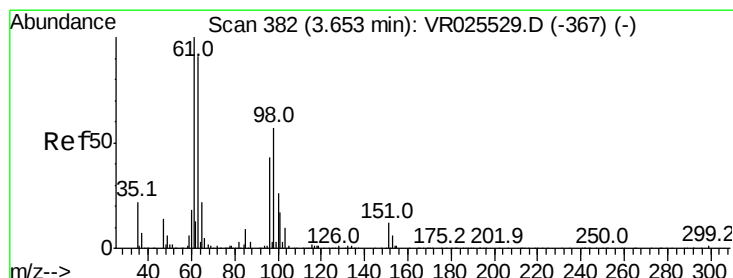
Tgt Ion: 96 Resp: 223097

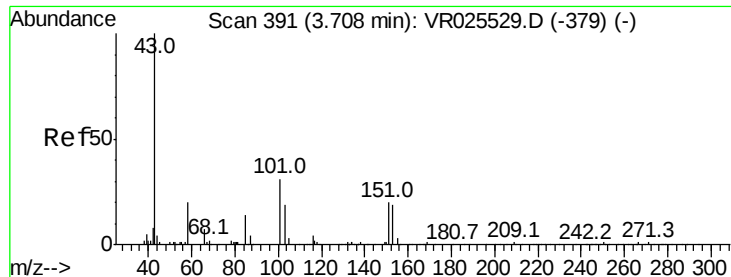
Ion Ratio Lower Upper

96 100

61 177.5 155.0 287.9

63 154.4 122.3 227.1





#13

Acetone

Concen: 55.211 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.00 min

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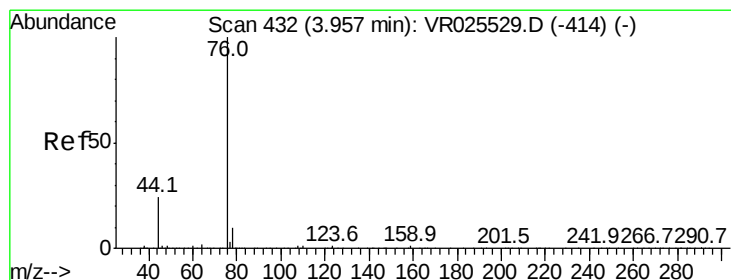
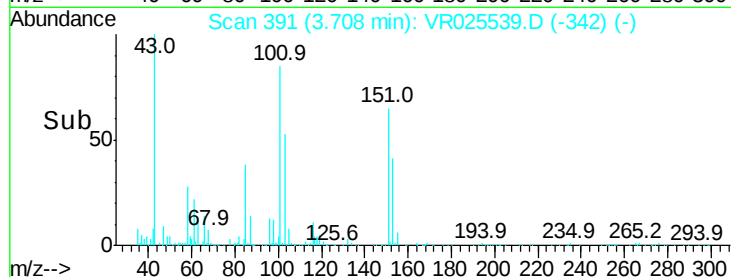
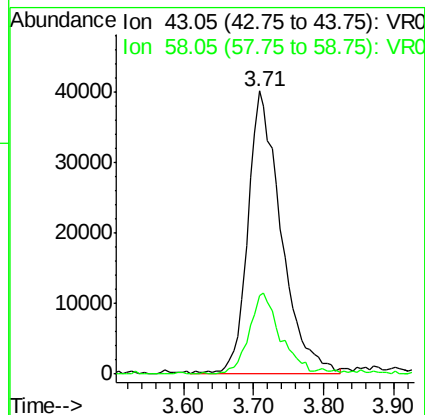
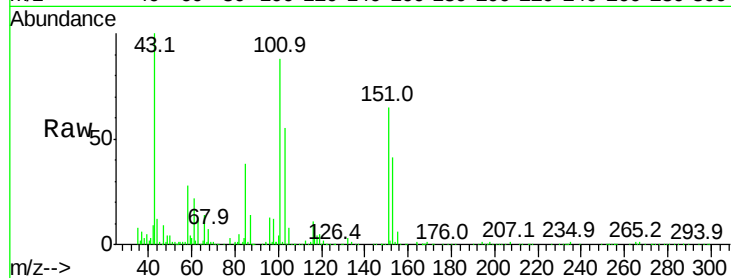
VSTD00583

Tgt Ion: 43 Resp: 133123

Ion Ratio Lower Upper

43 100

58 26.7 0.0 41.6



#14

Carbon disulfide

Concen: 12.731 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.01 min

Lab File: VR025539.D

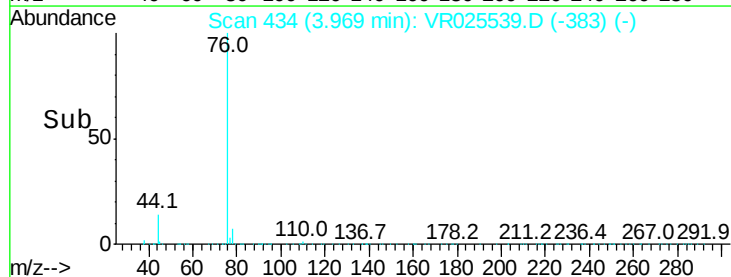
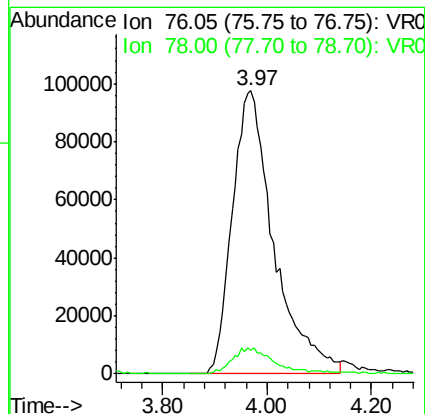
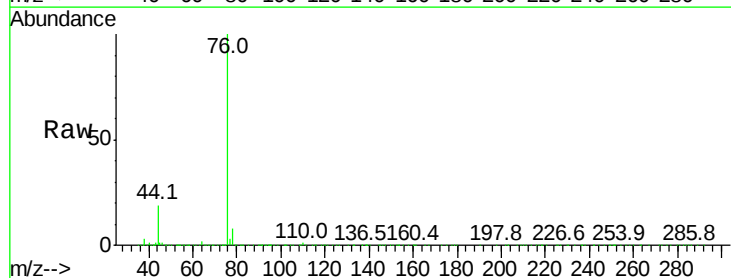
Acq: 30 Jul 2018 13:02

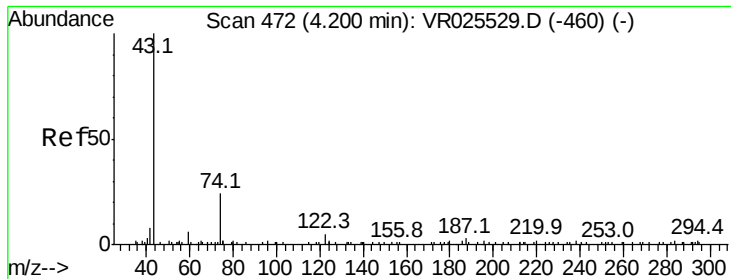
Tgt Ion: 76 Resp: 541319

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2





#15

Methyl Acetate

Concen: 7.801 ug/L

RT: 4.21 min Scan# 473

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampled :

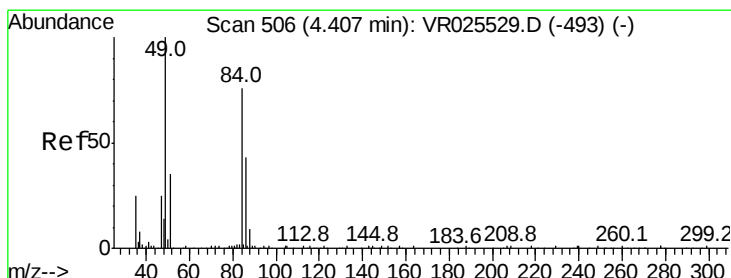
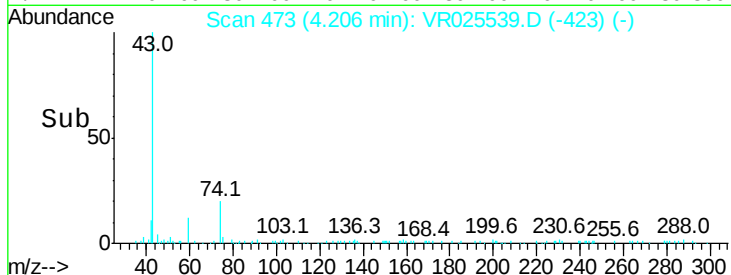
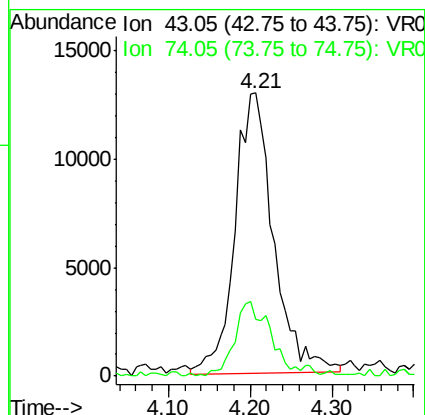
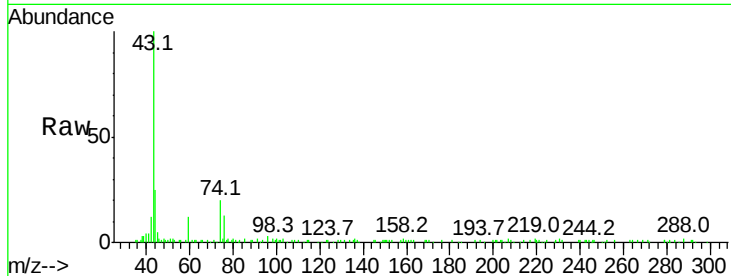
VSTD00583

Tgt Ion: 43 Resp: 42086

Ion Ratio Lower Upper

43 100

74 24.7 16.7 25.1



#16

Methylene chloride

Concen: 9.797 ug/L

RT: 4.41 min Scan# 507

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

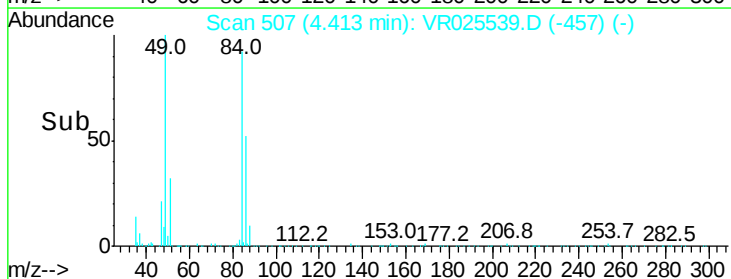
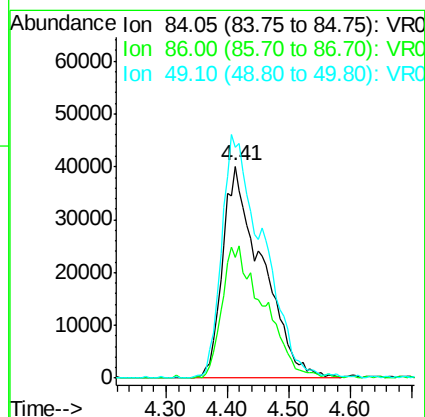
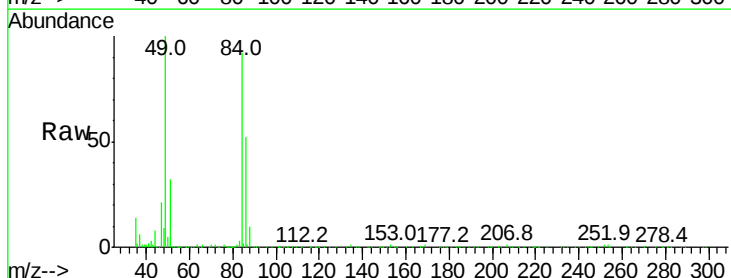
Tgt Ion: 84 Resp: 179323

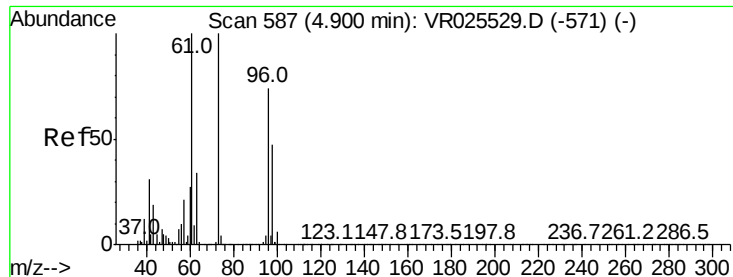
Ion Ratio Lower Upper

84 100

86 57.7 43.7 81.1

49 108.8 87.2 162.0



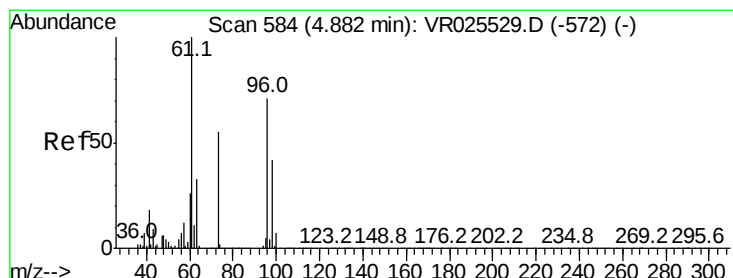
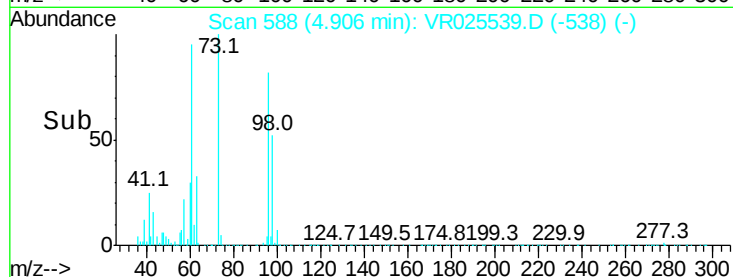
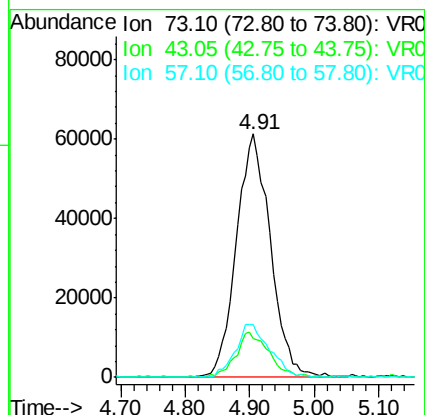
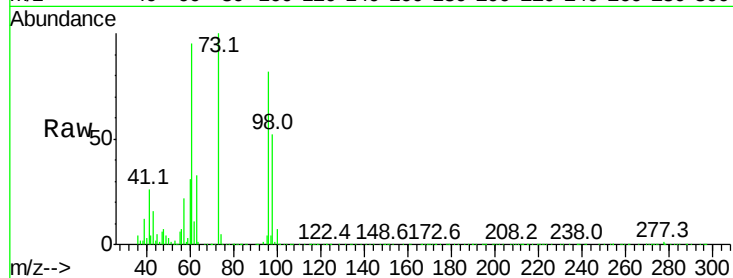


#17

Methyl tert-butyl Ether
Concen: 3.678 ug/L
RT: 4.91 min Scan# 588
Delta R.T. 0.01 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

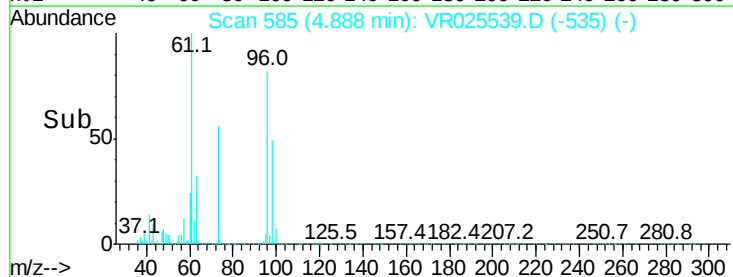
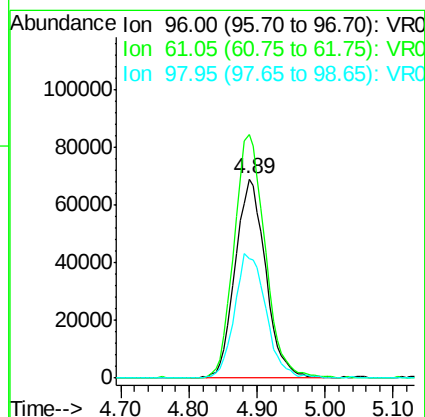
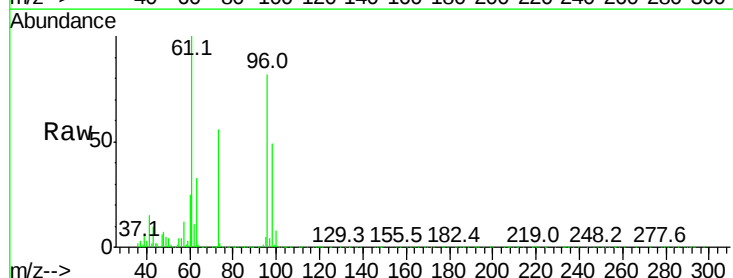
Tgt Ion: 73 Resp: 223965
Ion Ratio Lower Upper
73 100
43 17.8 15.8 23.6
57 22.0 19.0 28.4

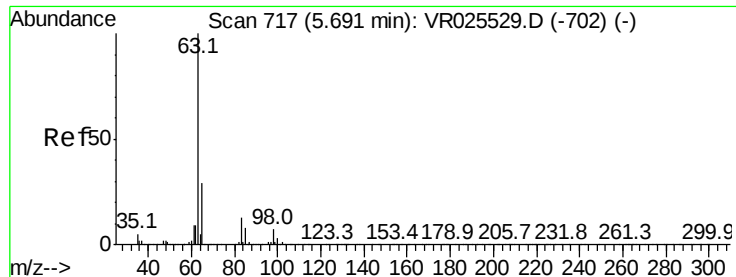


#18

trans-1,2-Dichloroethene
Concen: 4.613 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.01 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Tgt Ion: 96 Resp: 214433
Ion Ratio Lower Upper
96 100
61 122.2 104.4 193.8
98 60.1 43.1 80.1





#19

1,1-Dichloroethane

Concen: 3.960 ug/L

RT: 5.70 min Scan# 718

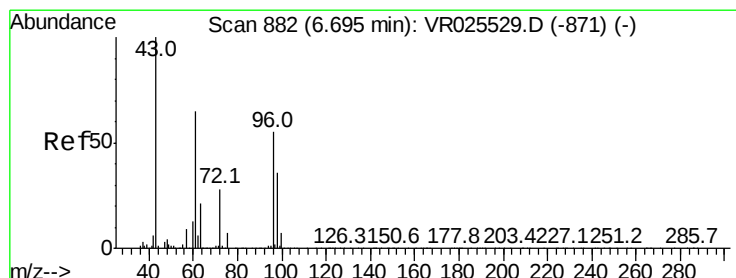
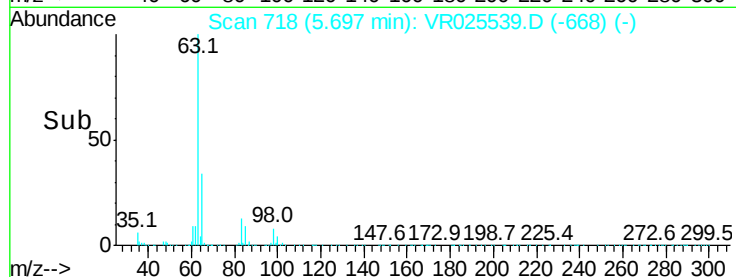
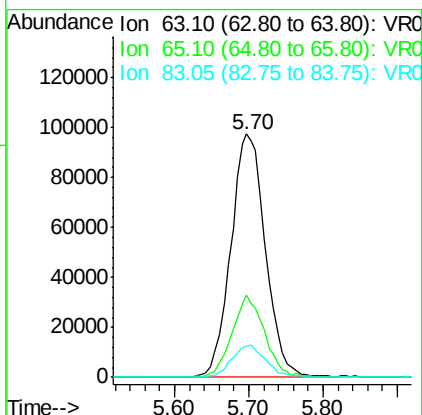
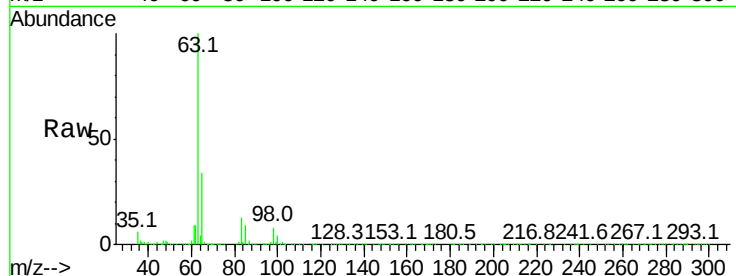
Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.6	22.5	41.7
83	13.0	9.5	17.7



#21

2-Butanone

Concen: 34.834 ug/L

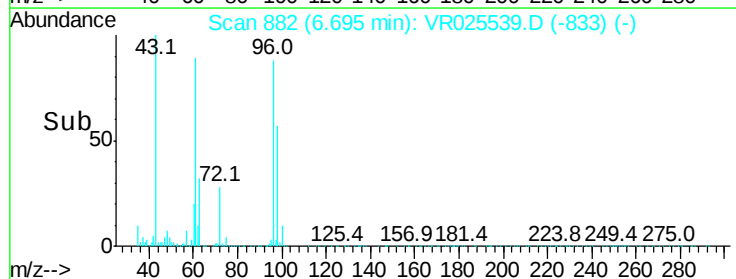
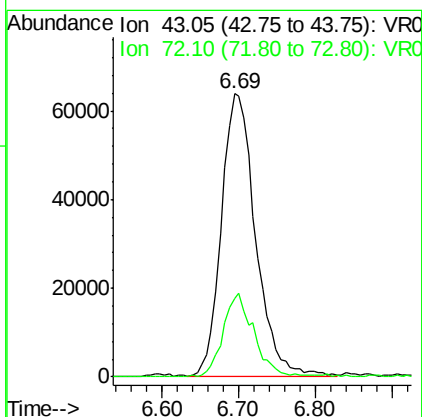
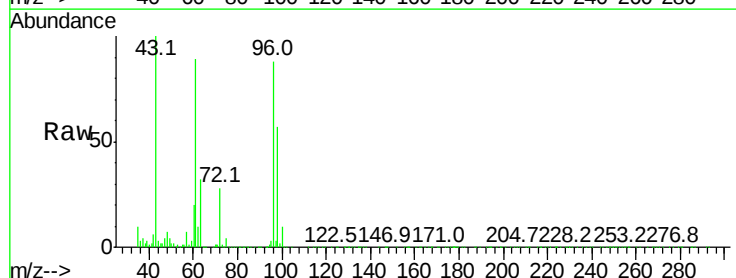
RT: 6.69 min Scan# 882

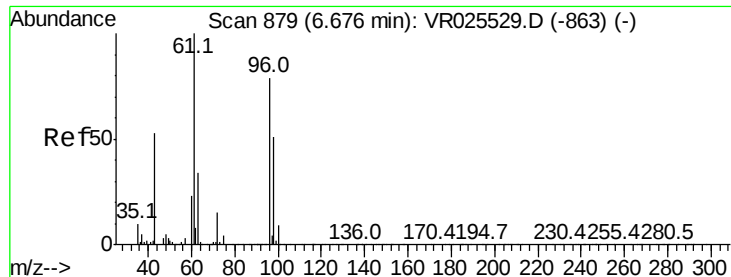
Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.4	13.0	38.9



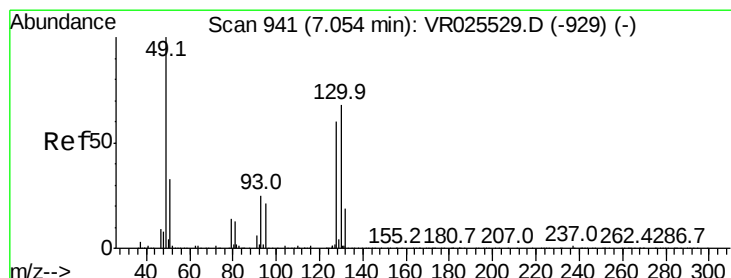
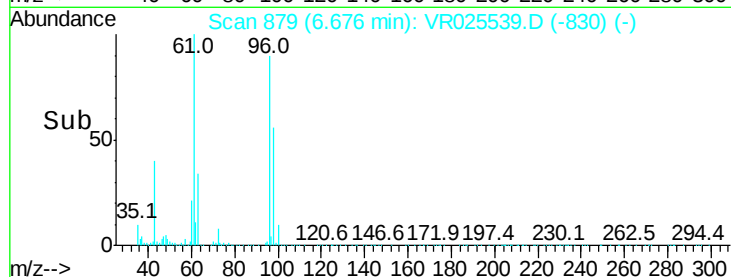
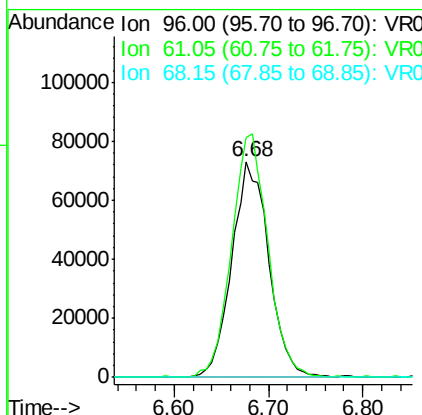
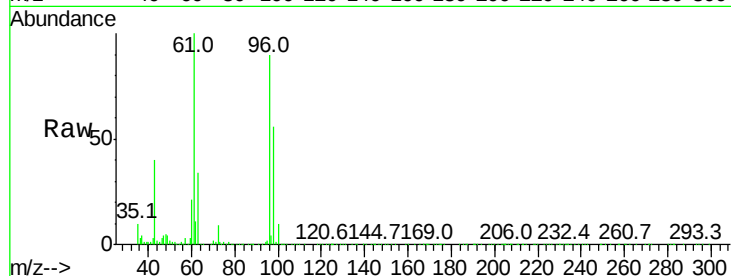


#22

cis-1,2-Dichloroethene
Concen: 4.676 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampled :
VSTD00583

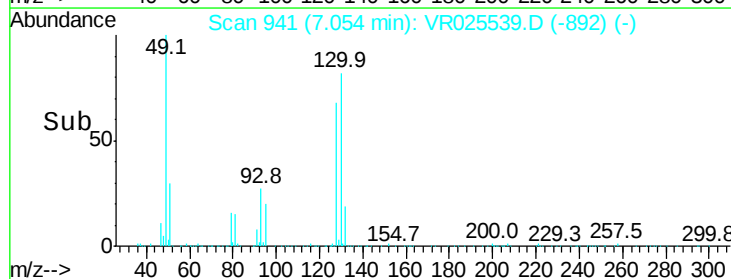
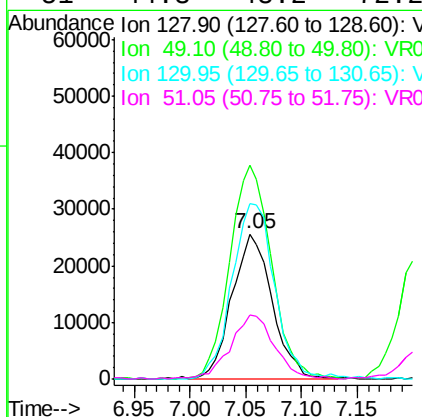
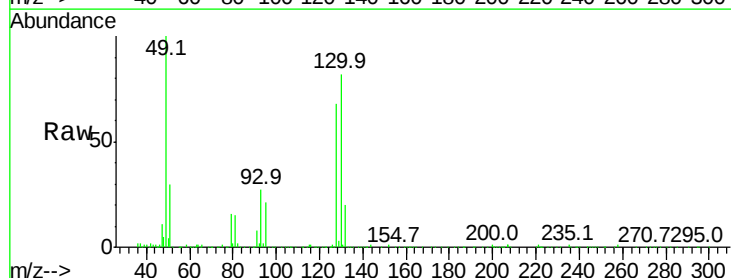
Tgt Ion: 96 Resp: 199475
Ion Ratio Lower Upper
96 100
61 111.0 91.0 169.0
68 0.0 0.0 0.0

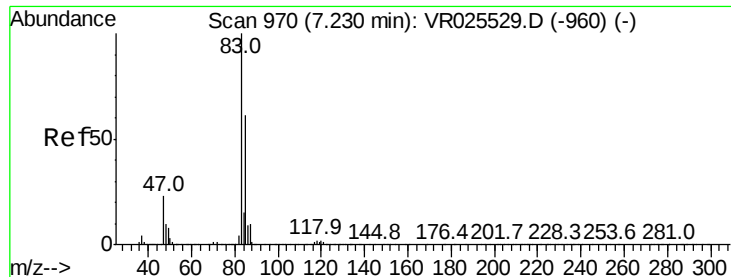


#23

Bromochloromethane
Concen: 4.622 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Tgt Ion: 128 Resp: 63480
Ion Ratio Lower Upper
128 100
49 147.6 128.7 238.9
130 121.3 87.2 161.9
51 44.3 48.2 72.2#





#25

Chloroform

Concen: 3.989 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

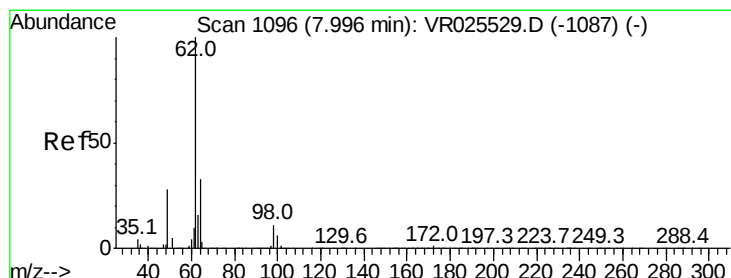
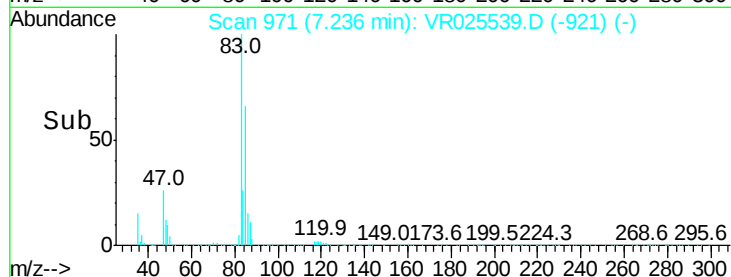
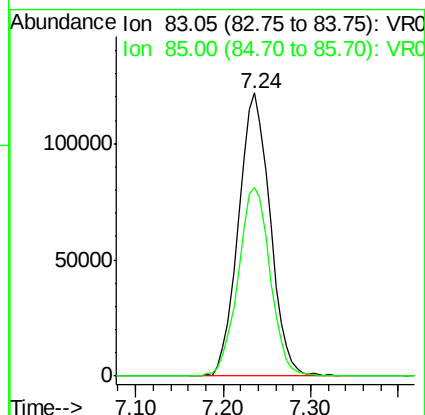
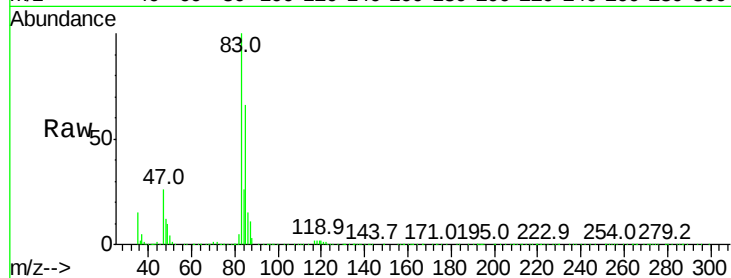
VSTD00583

Tgt Ion: 83 Resp: 305509

Ion Ratio Lower Upper

83 100

85 66.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 3.652 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VR025539.D

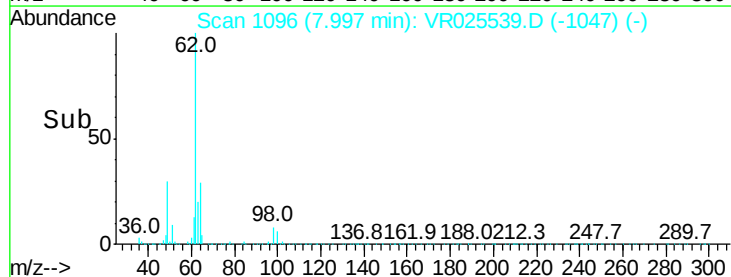
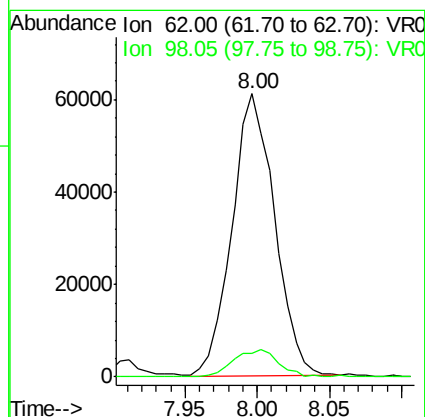
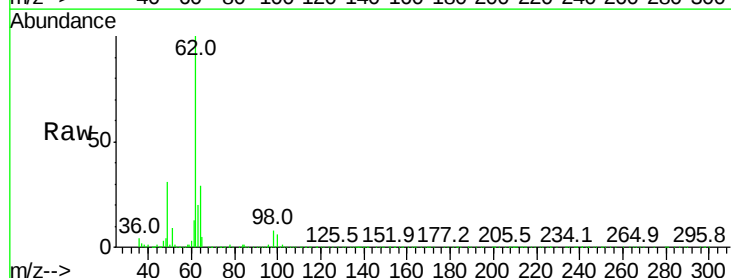
Acq: 30 Jul 2018 13:02

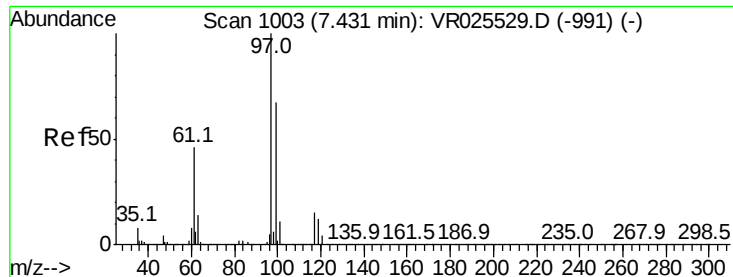
Tgt Ion: 62 Resp: 125417

Ion Ratio Lower Upper

62 100

98 8.2 5.4 8.2#





#29

1,1,1-Trichloroethane

Concen: 4.323 ug/L

RT: 7.44 min Scan# 1004

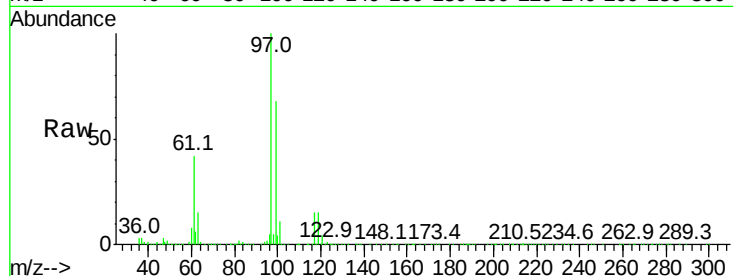
Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

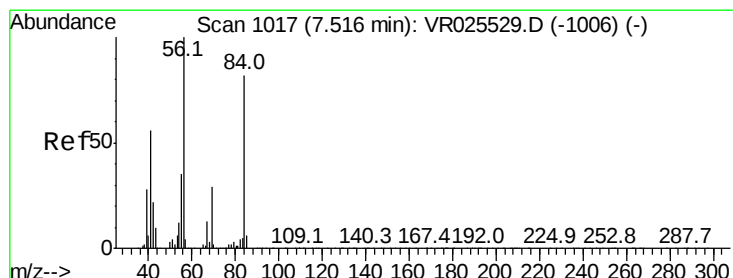
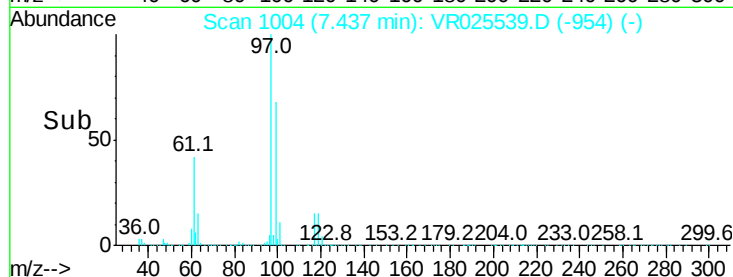
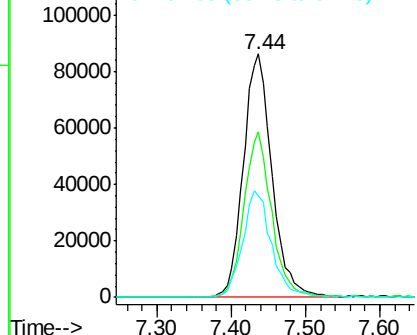
Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	44.1	37.0	55.6



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: 5.177 ug/L

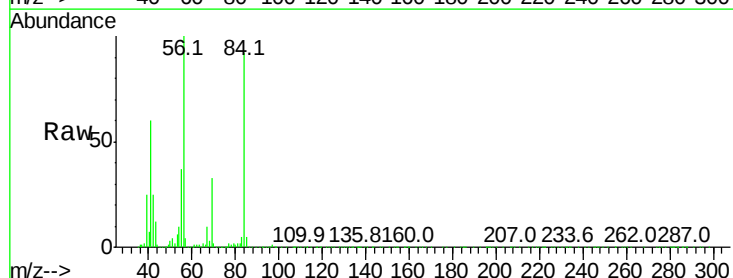
RT: 7.52 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

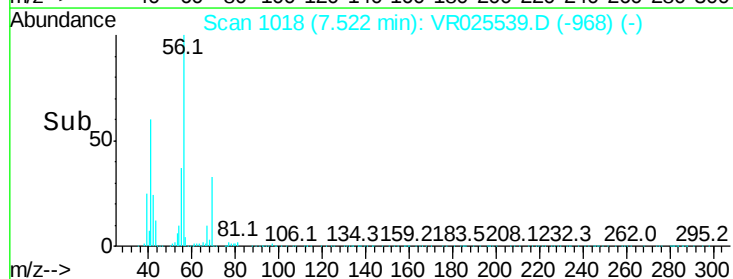
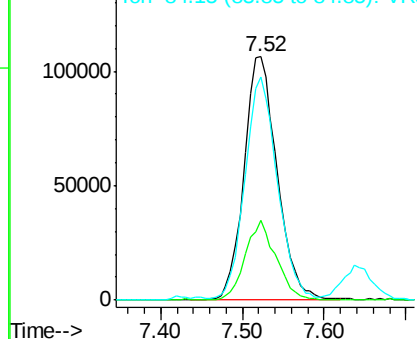
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	23.7	35.5
84	89.1	62.6	93.8

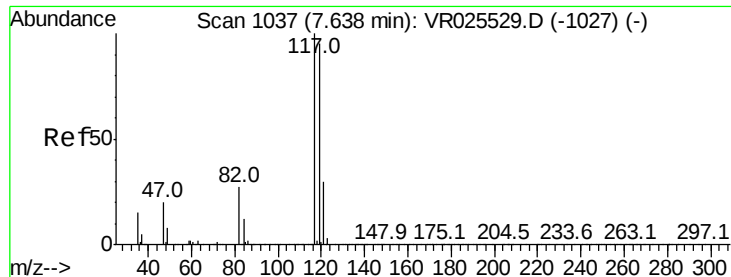


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.228 ug/L

RT: 7.64 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

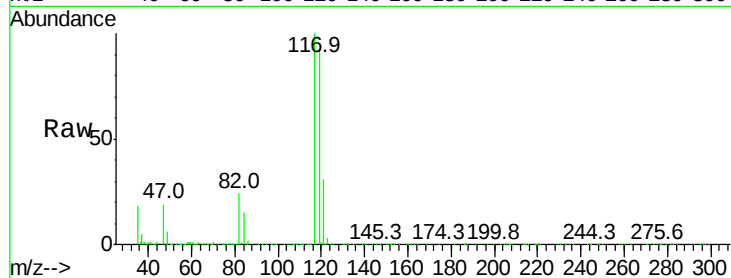
VSTD00583

Tgt Ion:117 Resp: 249179

Ion Ratio Lower Upper

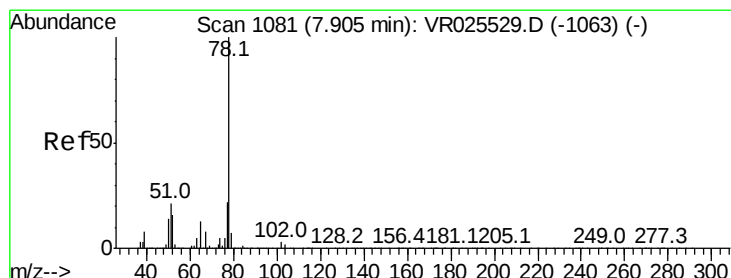
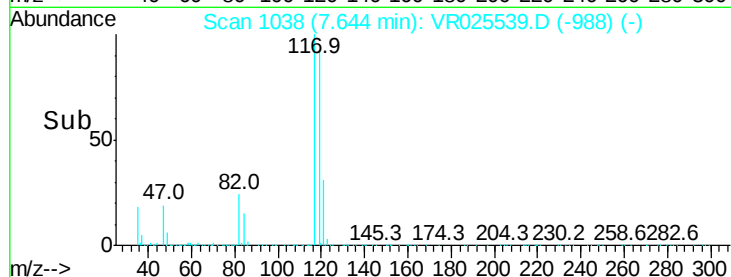
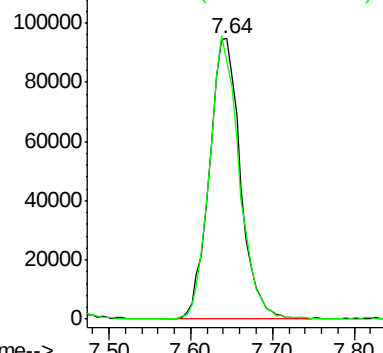
117 100

119 96.8 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.480 ug/L

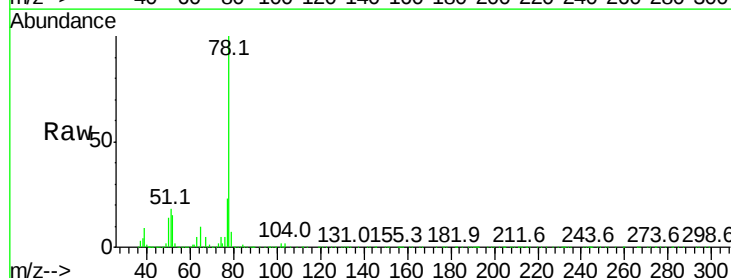
RT: 7.91 min Scan# 1082

Delta R.T. 0.01 min

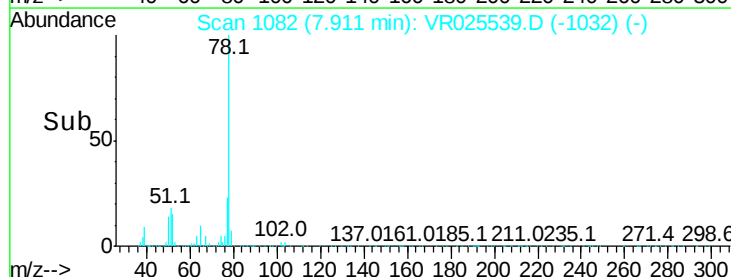
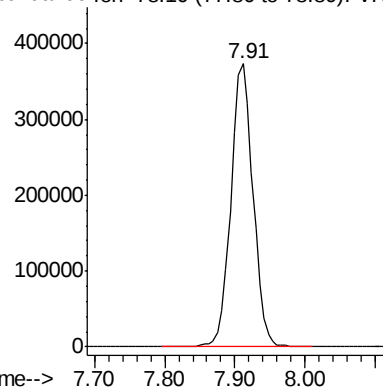
Lab File: VR025539.D

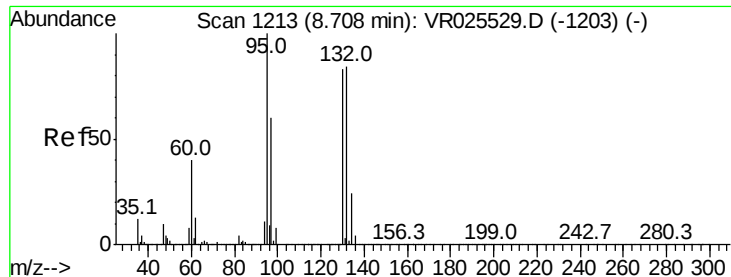
Acq: 30 Jul 2018 13:02

Tgt Ion: 78 Resp: 818006



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.288 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 95 Resp: 199307

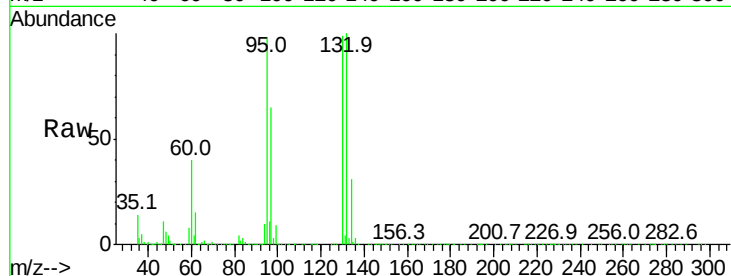
Ion Ratio Lower Upper

95 100

97 66.7 45.6 84.6

132 102.4 60.9 113.1

130 101.8 62.0 115.2

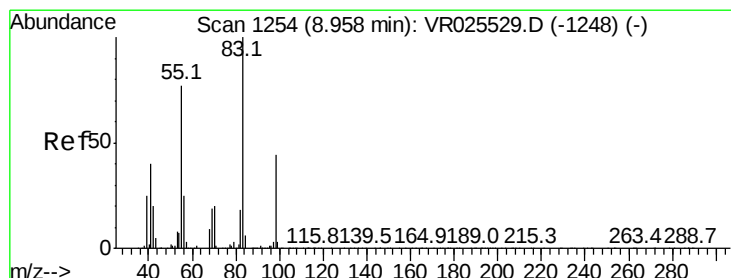
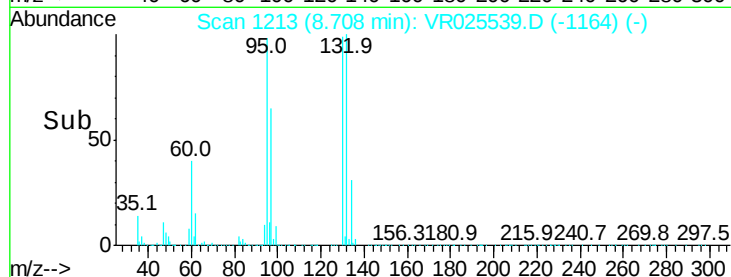
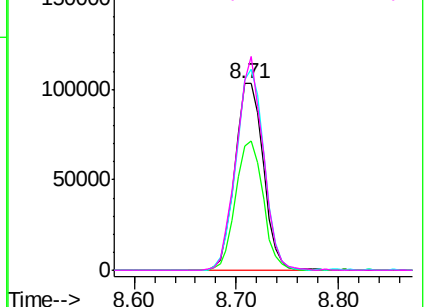


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.510 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

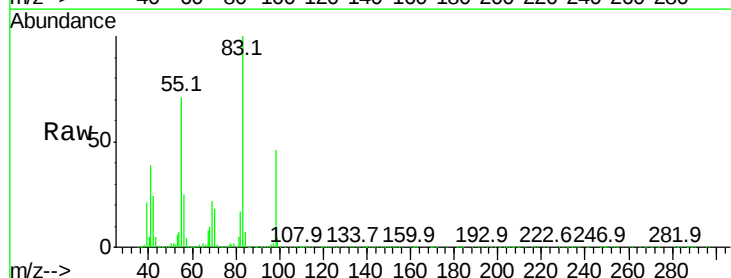
Tgt Ion: 83 Resp: 342389

Ion Ratio Lower Upper

83 100

55 72.9 66.1 99.1

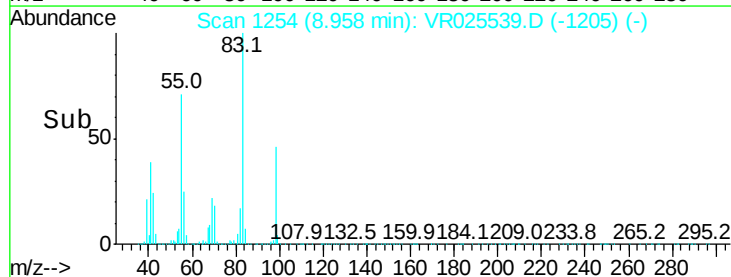
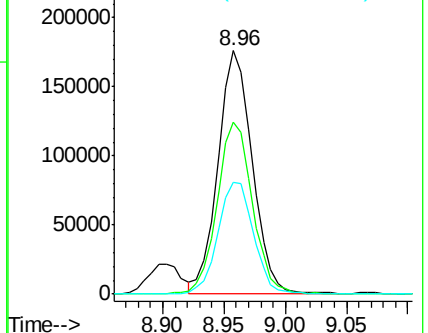
98 47.2 36.2 54.4

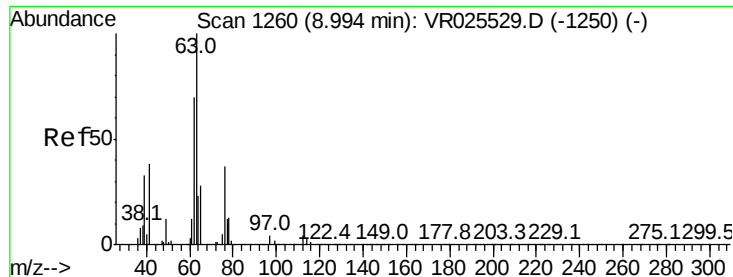


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.128 ug/L

RT: 9.00 min Scan# 1261

Delta R.T. 0.01 min

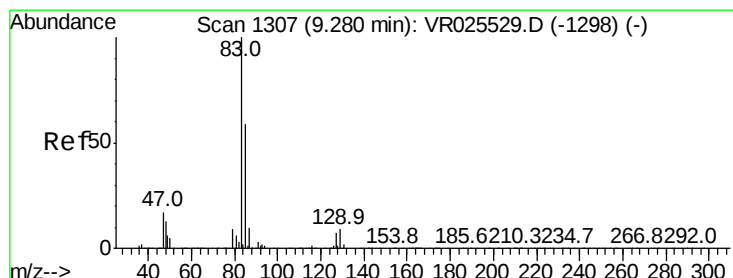
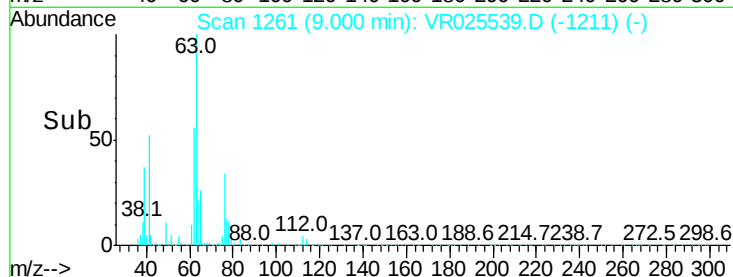
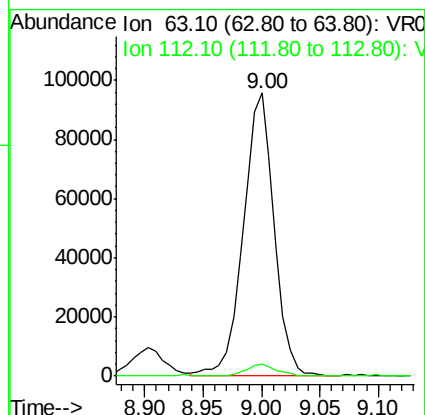
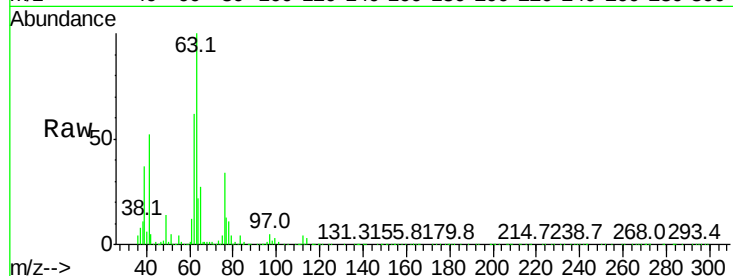
Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion: 63 Resp: 175198

Ion	Ratio	Lower	Upper
63	100		
112	4.1	2.9	4.3



#38

Bromodichloromethane

Concen: 4.058 ug/L

RT: 9.29 min Scan# 1308

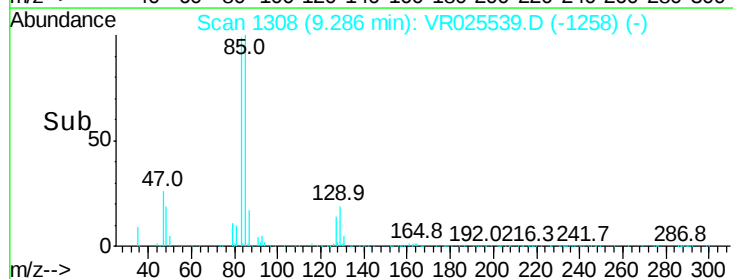
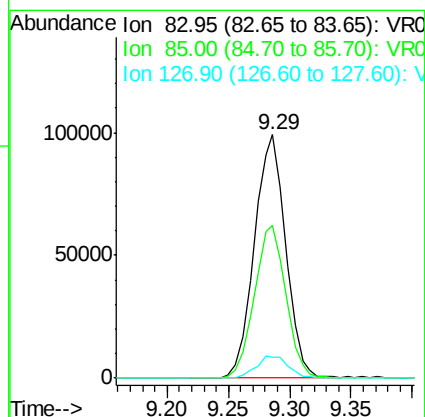
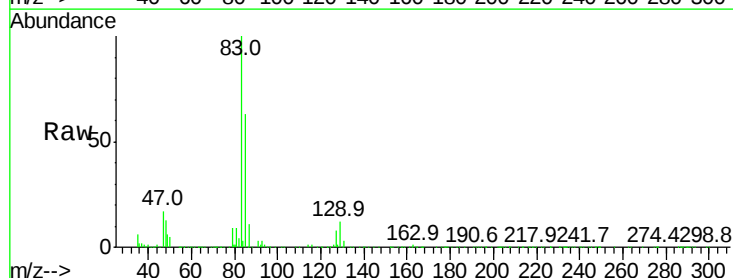
Delta R.T. 0.01 min

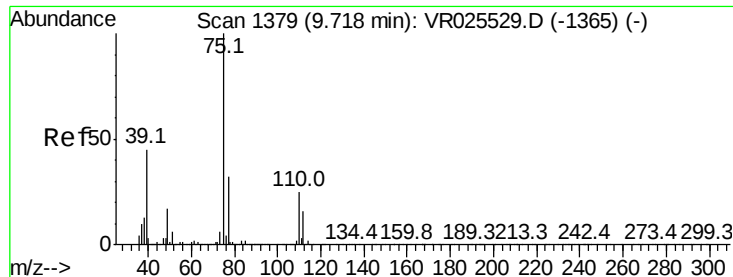
Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Tgt Ion: 83 Resp: 175525

Ion	Ratio	Lower	Upper
83	100		
85	62.8	46.1	85.7
127	8.4	5.7	8.5





#39

cis-1,3-Dichloropropene

Concen: 4.270 ug/L

RT: 9.72 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampled :

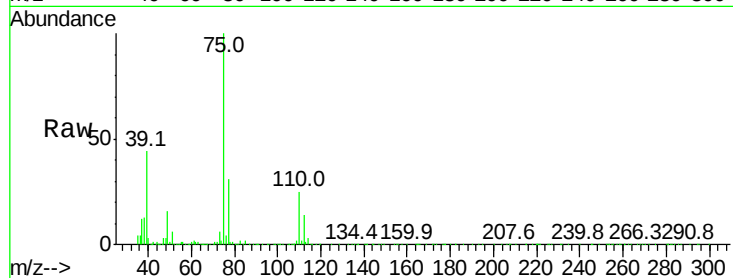
VSTD00583

Tgt Ion: 75 Resp: 203759

Ion Ratio Lower Upper

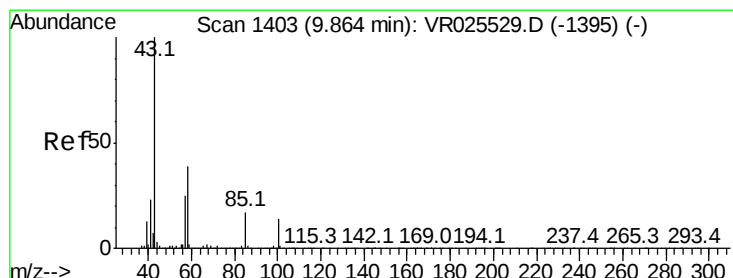
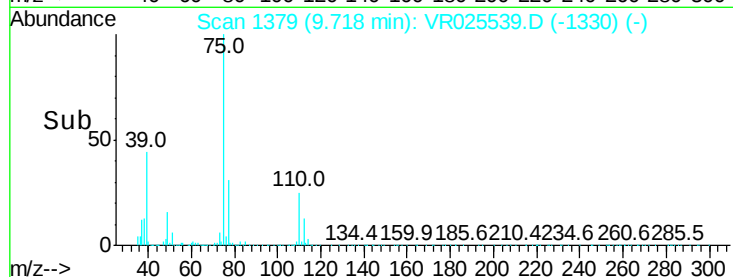
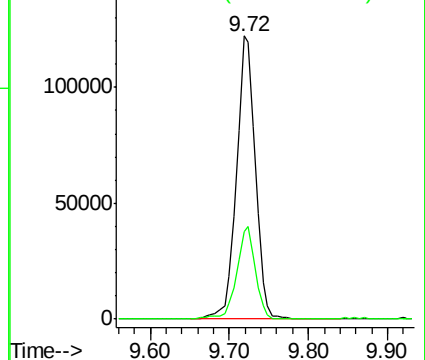
75 100

77 30.8 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 42.201 ug/L

RT: 9.87 min Scan# 1404

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

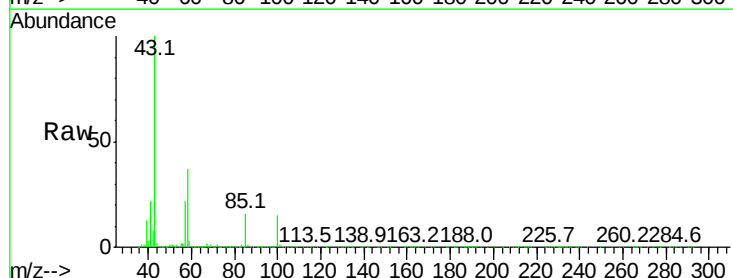
Tgt Ion: 43 Resp: 519008

Ion Ratio Lower Upper

43 100

58 38.8 30.3 45.5

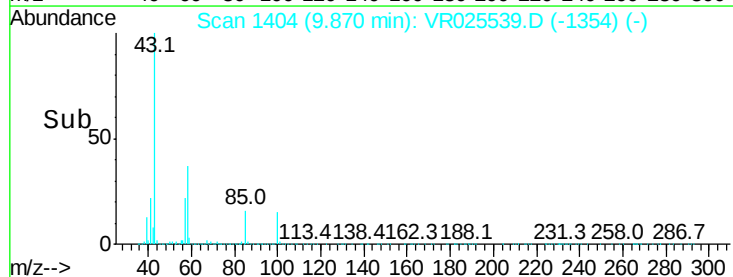
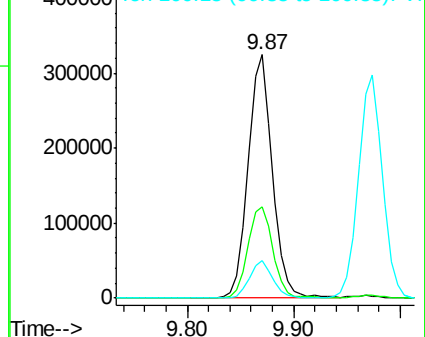
100 14.9 10.3 15.5

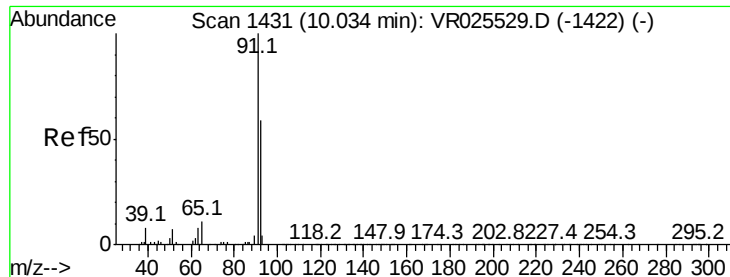


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 5.140 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

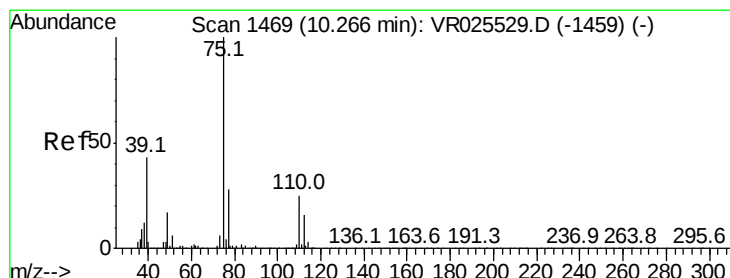
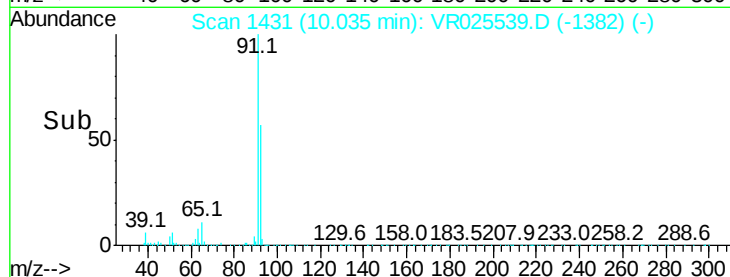
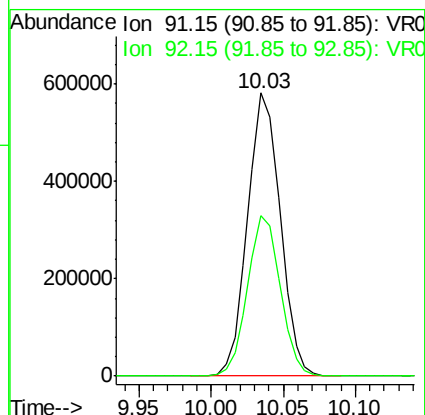
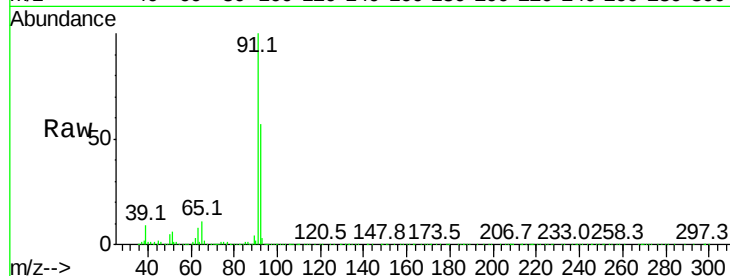
VSTD00583

Tgt Ion: 91 Resp: 912499

Ion Ratio Lower Upper

91 100

92 56.6 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.060 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025539.D

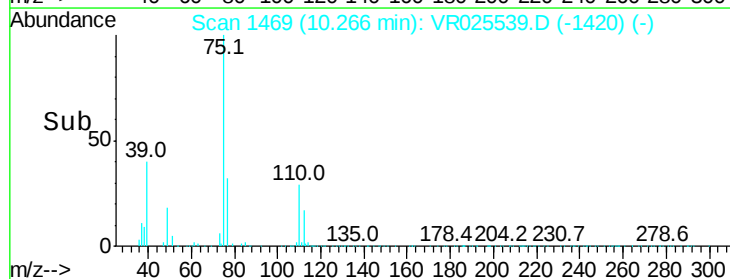
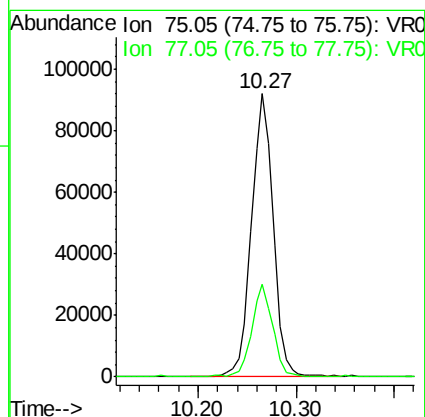
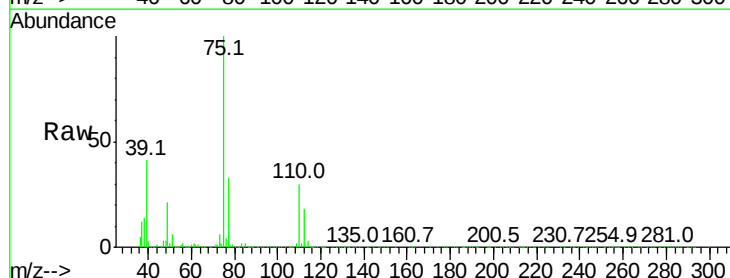
Acq: 30 Jul 2018 13:02

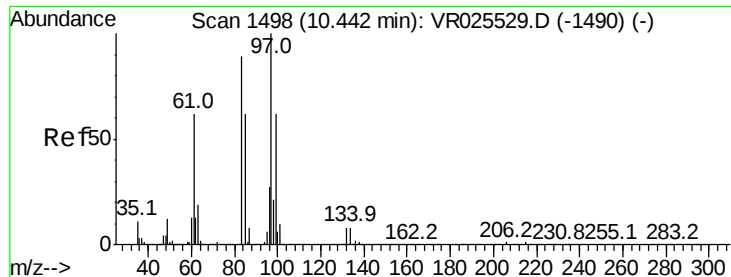
Tgt Ion: 75 Resp: 142287

Ion Ratio Lower Upper

75 100

77 32.6 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 4.085 ug/L

RT: 10.45 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

Tgt Ion: 97 Resp: 84935

Ion Ratio Lower Upper

97 100

99 62.0 41.9 77.9

83 81.9 64.5 119.9

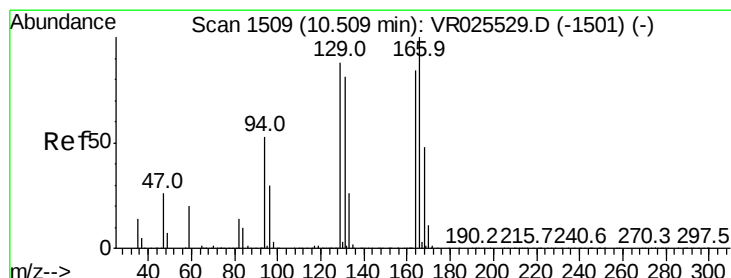
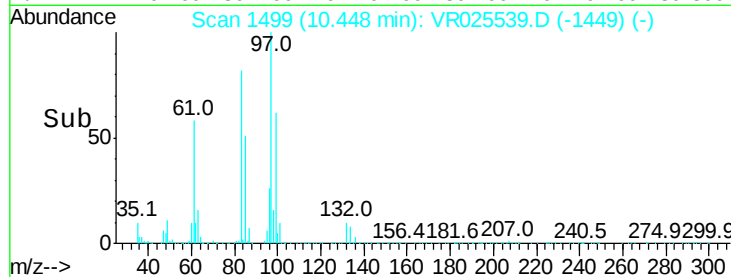
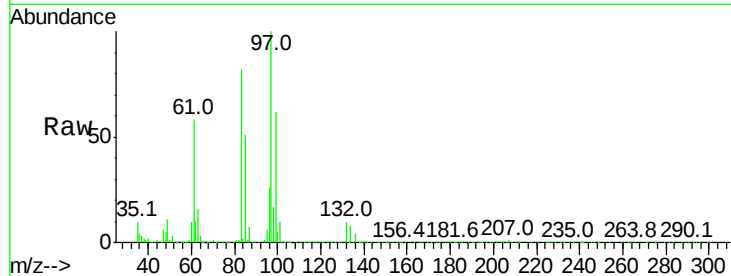
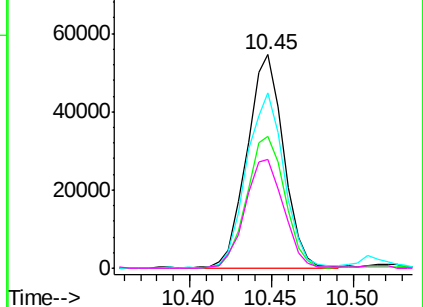
85 51.1 38.6 71.8

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: 5.886 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Tgt Ion: 164 Resp: 178622

Ion Ratio Lower Upper

164 100

129 90.0 68.1 126.5

131 86.6 68.5 127.1

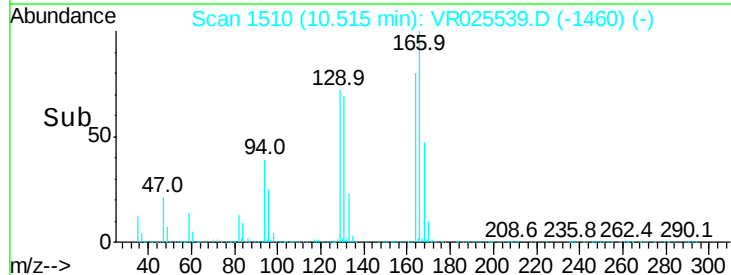
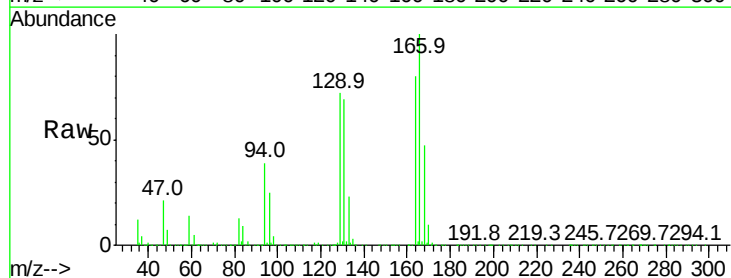
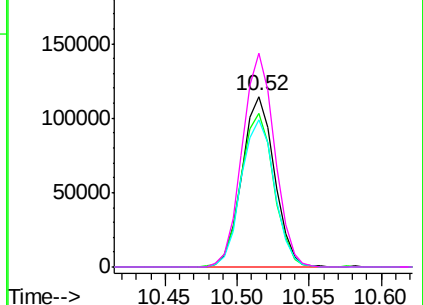
166 125.2 89.9 166.9

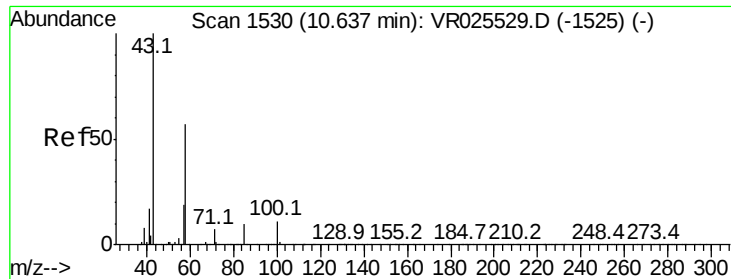
Abundance Ion 163.90 (163.60 to 164.60): V

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

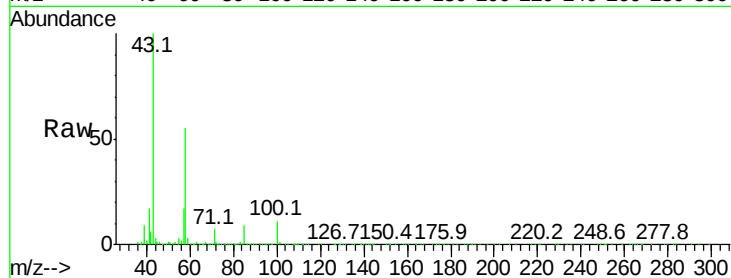




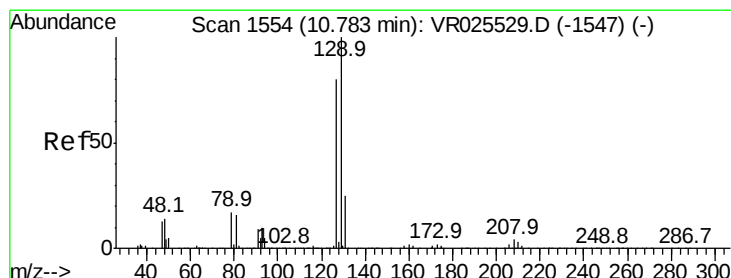
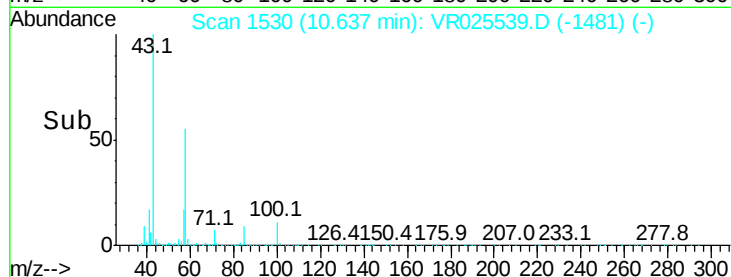
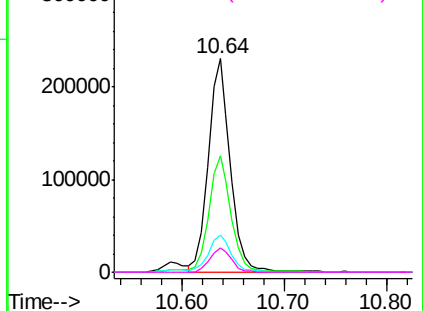
#48
2-Hexanone
Concen: 40.797 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Instrument :
MSVOA_R
ClientSampleId :
VSTD00583

Tgt Ion:	43	Resp:	345145
Ion	Ratio	Lower	Upper
43	100		
58	56.3	43.1	64.7
57	19.7	15.3	22.9
100	11.6	7.9	11.9

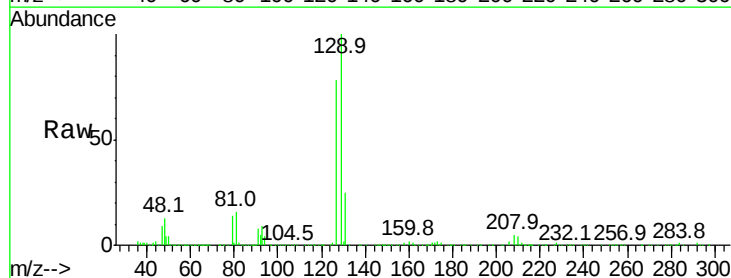


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

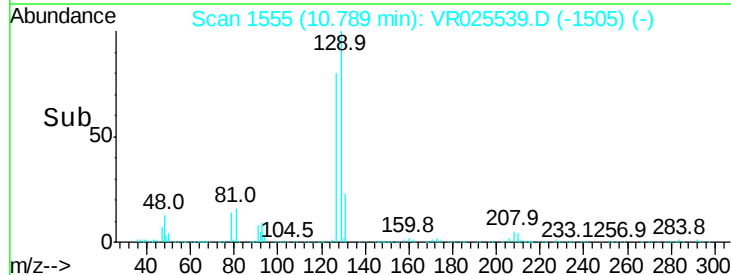
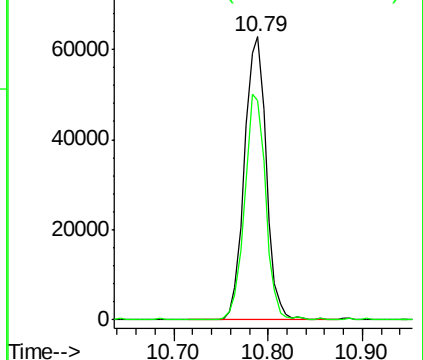


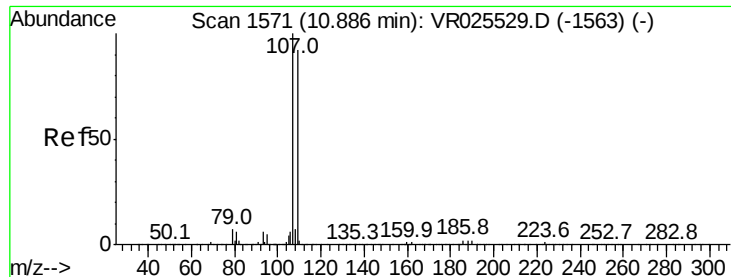
#49
Dibromochloromethane
Concen: 4.703 ug/L
RT: 10.79 min Scan# 1555
Delta R.T. 0.01 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Tgt Ion:	129	Resp:	101949
Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.9	103.7



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





#50

1,2-Dibromoethane

Concen: 4.334 ug/L

RT: 10.89 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

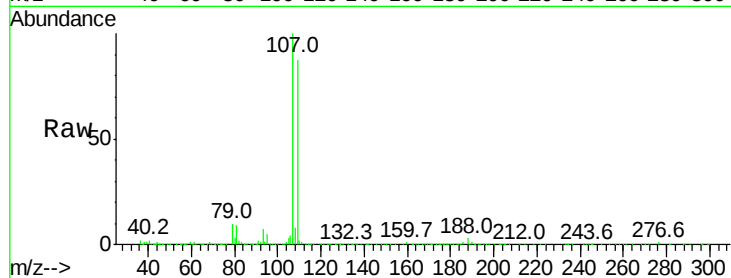
Tgt Ion:107 Resp: 73011

Ion Ratio Lower Upper

107 100

109 86.6 63.1 117.3

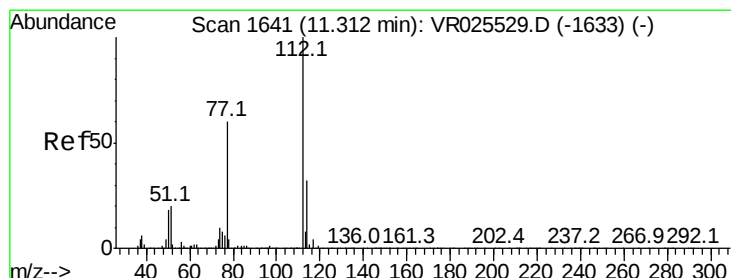
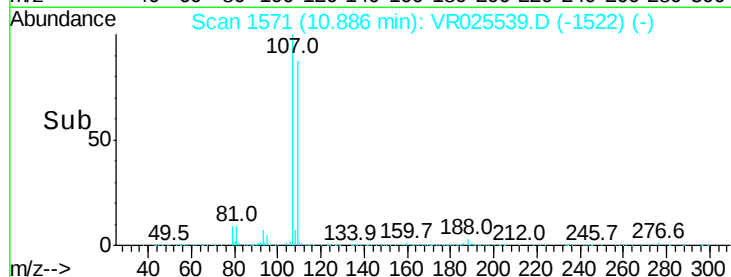
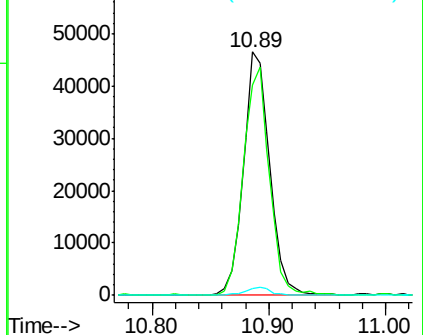
188 3.0 1.8 2.8#



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: 4.904 ug/L

RT: 11.32 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

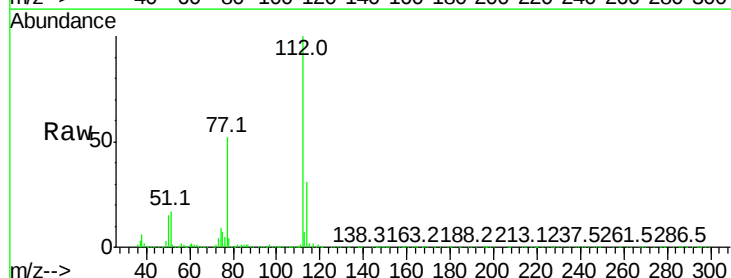
Tgt Ion:112 Resp: 530122

Ion Ratio Lower Upper

112 100

114 31.1 21.6 40.0

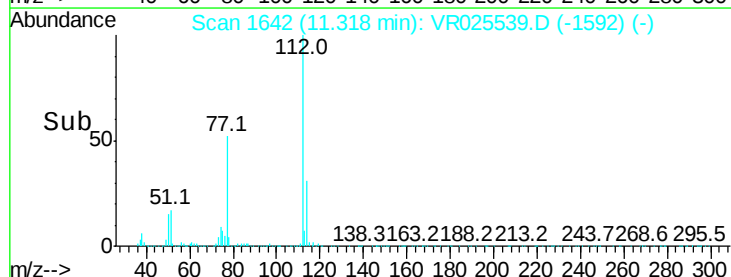
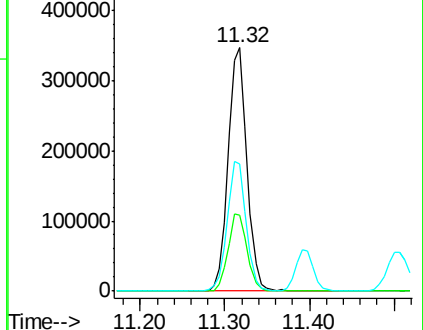
77 52.3 51.9 77.9

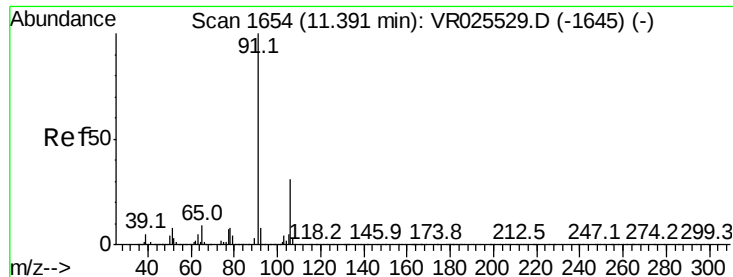


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 5.251 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

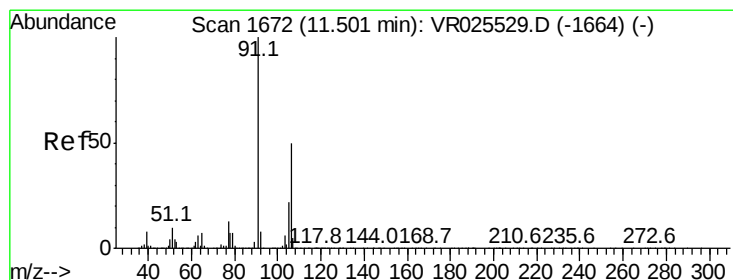
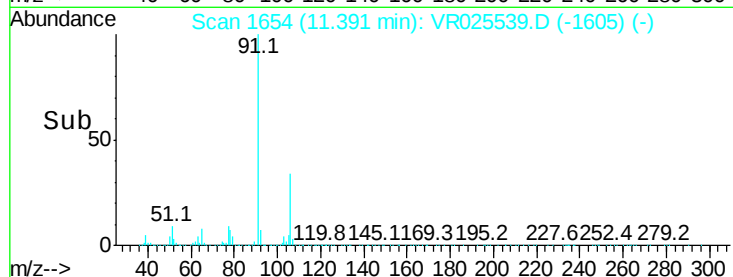
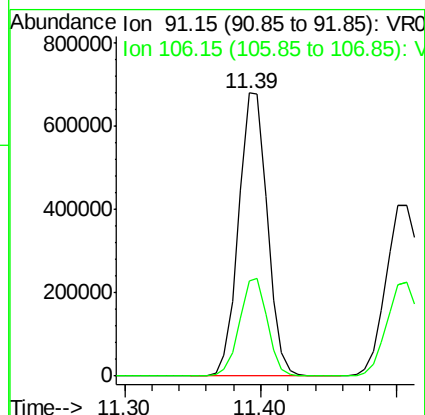
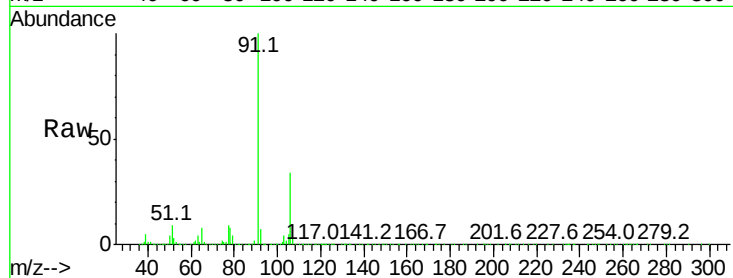
VSTD00583

Tgt Ion: 91 Resp: 999596

Ion Ratio Lower Upper

91 100

106 33.7 22.5 41.7



#53

m,p-Xylene

Concen: 5.457 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VR025539.D

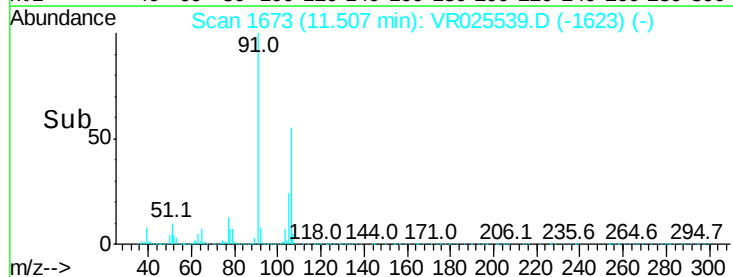
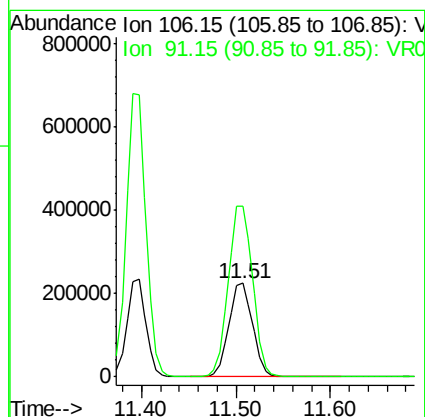
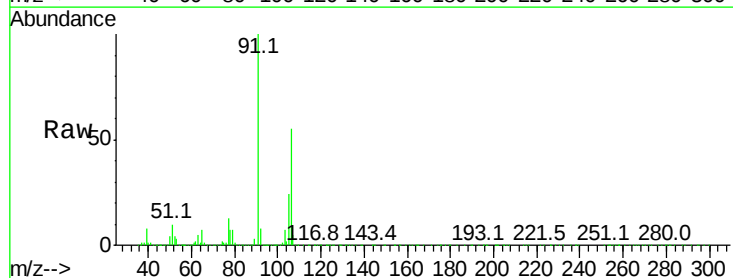
Acq: 30 Jul 2018 13:02

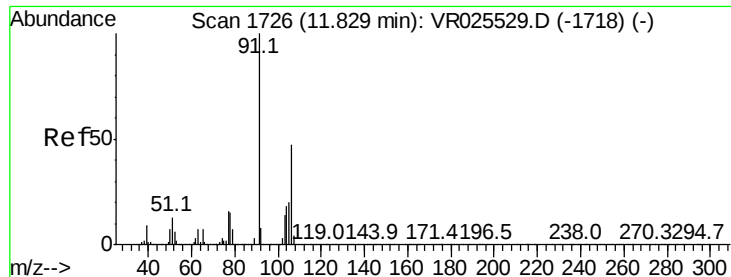
Tgt Ion: 106 Resp: 389869

Ion Ratio Lower Upper

106 100

91 183.1 152.6 283.4

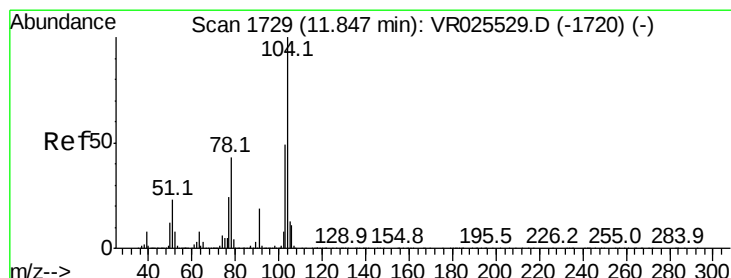
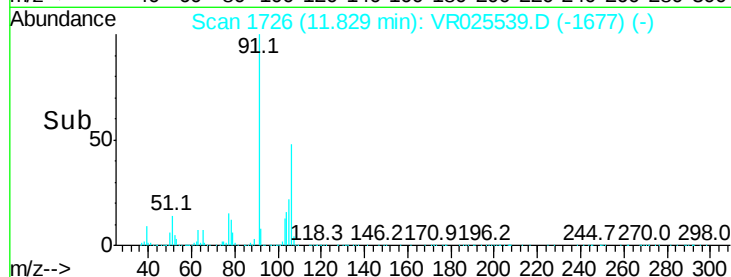
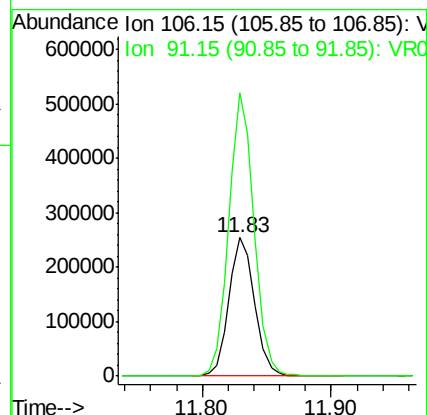
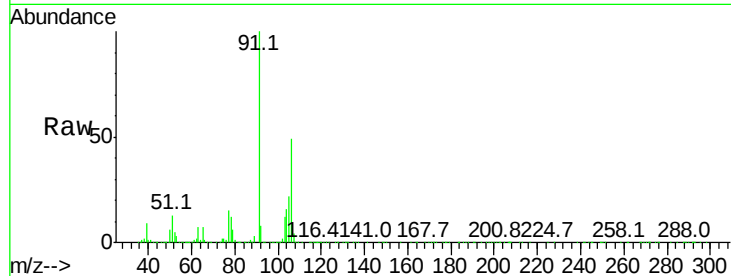




#54
o-Xylene
Concen: 5.795 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

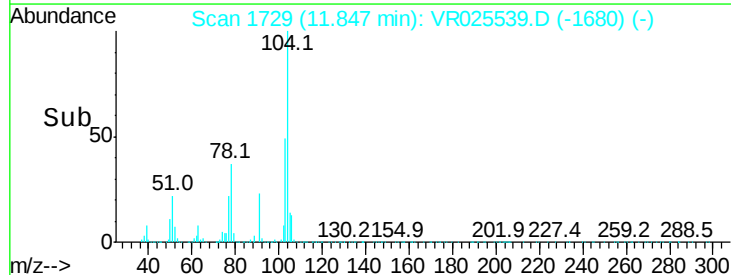
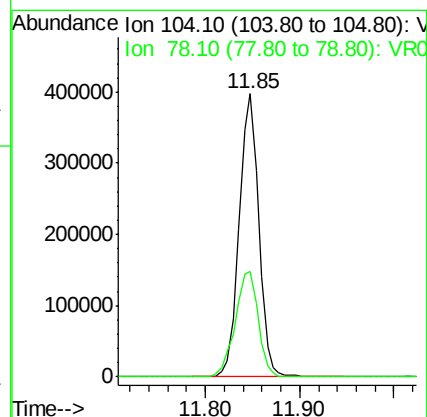
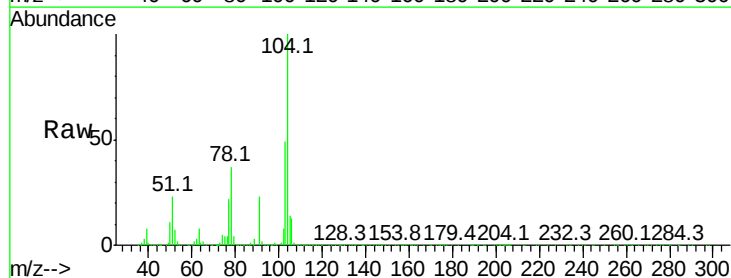
Instrument :
MSVOA_R
ClientSampled :
VSTD00583

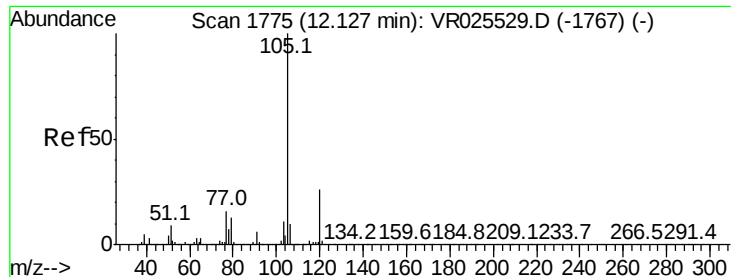
Tgt Ion:106 Resp: 356586
Ion Ratio Lower Upper
106 100
91 204.3 153.7 285.5



#55
Styrene
Concen: 5.664 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025539.D
Acq: 30 Jul 2018 13:02

Tgt Ion:104 Resp: 573441
Ion Ratio Lower Upper
104 100
78 37.1 35.4 65.7





#56

Isopropylbenzene

Concen: 5.843 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

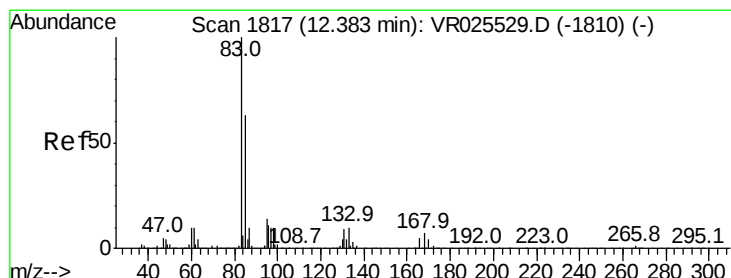
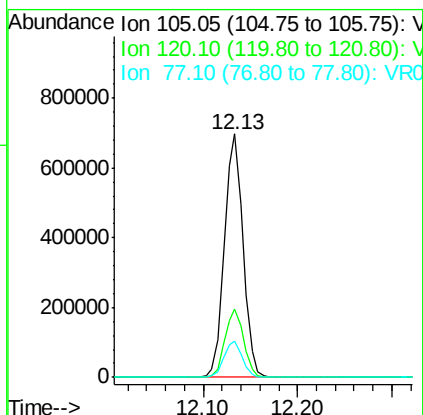
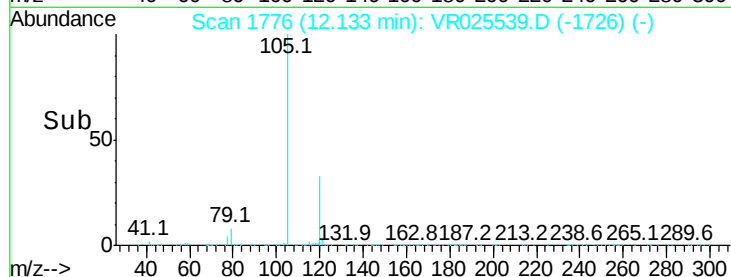
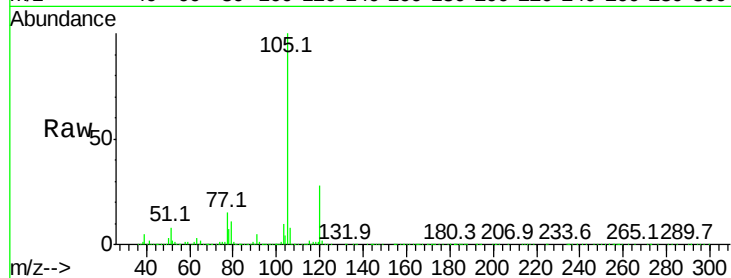
Tgt Ion:105 Resp: 952035

Ion Ratio Lower Upper

105 100

120 28.1 20.2 30.4

77 14.7 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.097 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

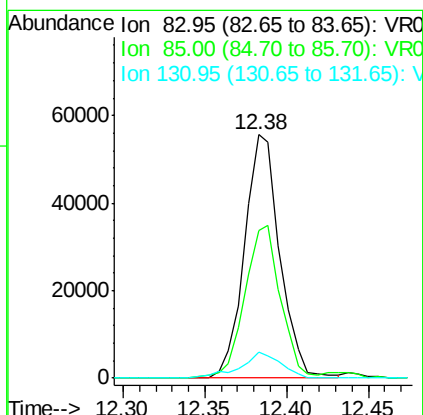
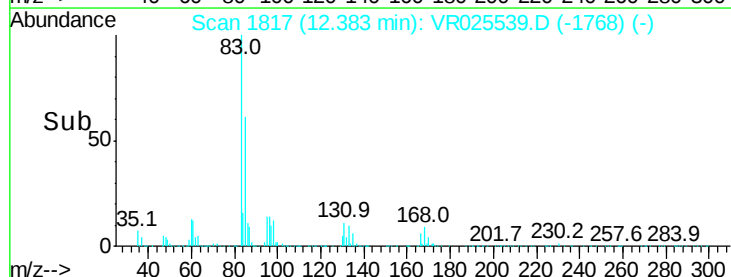
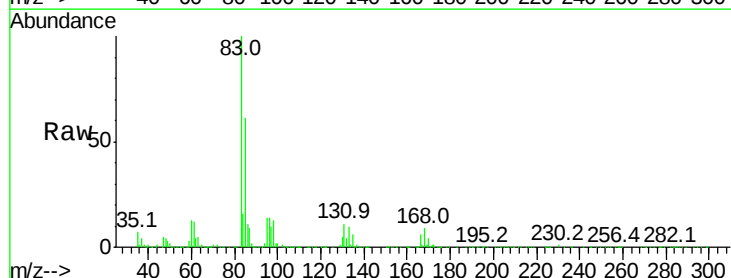
Tgt Ion: 83 Resp: 83909

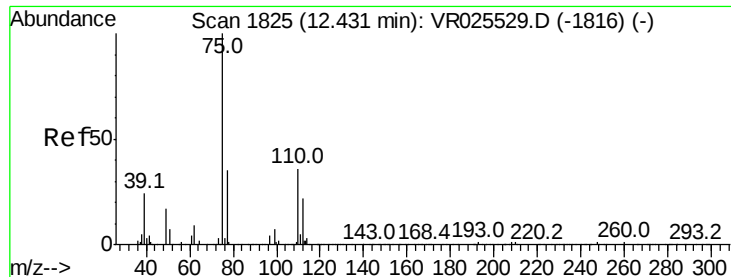
Ion Ratio Lower Upper

83 100

85 60.7 41.8 77.6

131 10.8 6.1 9.1#





#59

1,2,3-Trichloropropane

Concen: 3.731 ug/L

RT: 12.44 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

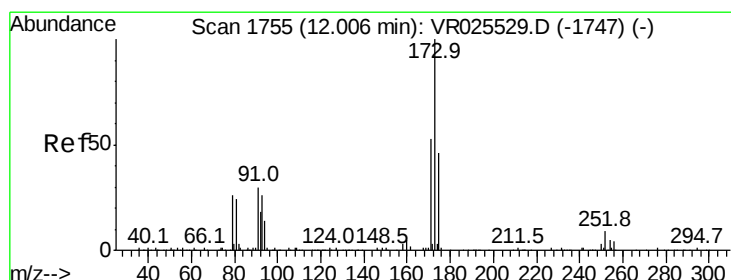
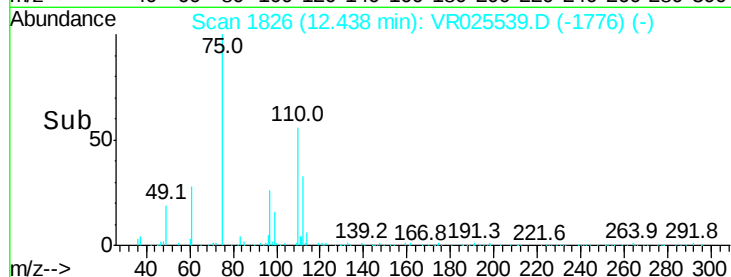
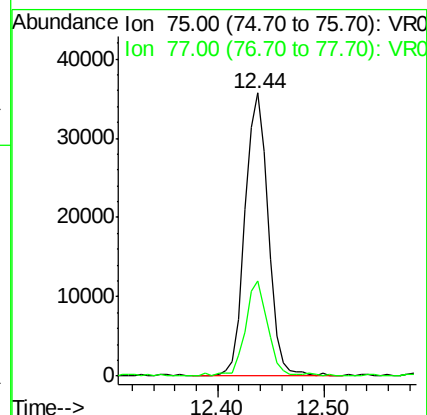
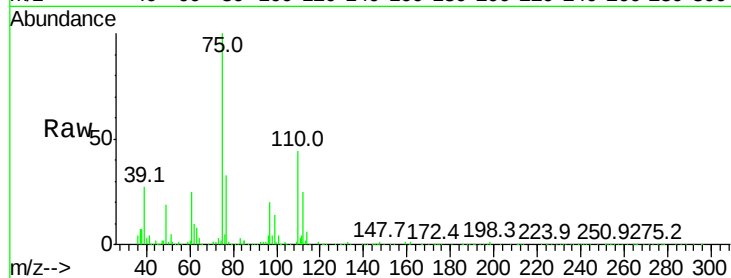
VSTD00583

Tgt Ion: 75 Resp: 55008

Ion Ratio Lower Upper

75 100

77 30.9 27.0 40.4



#61

Bromoform

Concen: 4.545 ug/L

RT: 12.01 min Scan# 1756

Delta R.T. 0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

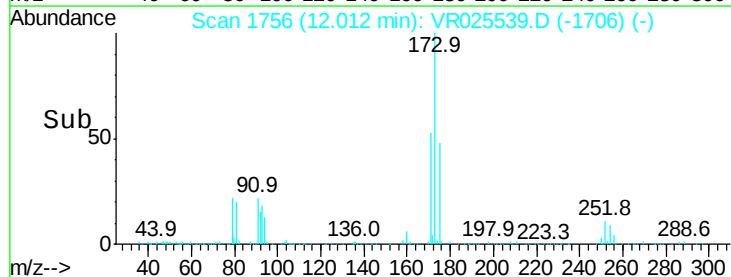
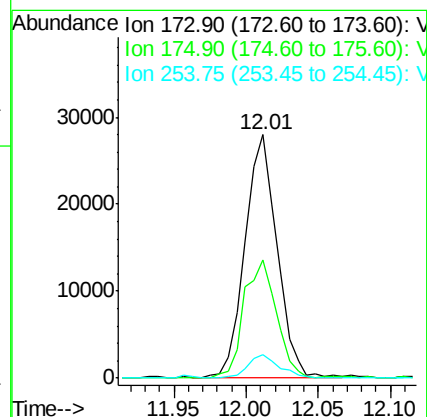
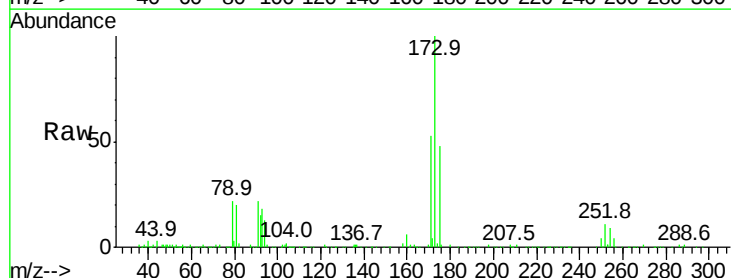
Tgt Ion: 173 Resp: 43297

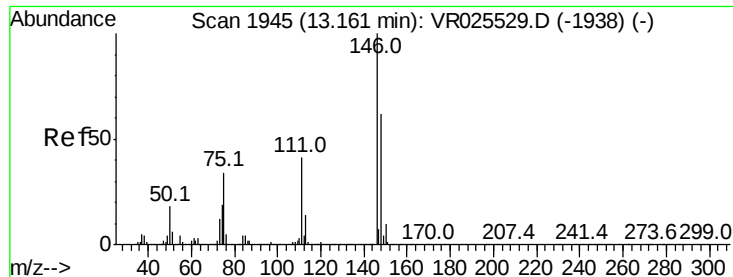
Ion Ratio Lower Upper

173 100

175 49.1 37.5 56.3

254 9.4 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.057 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

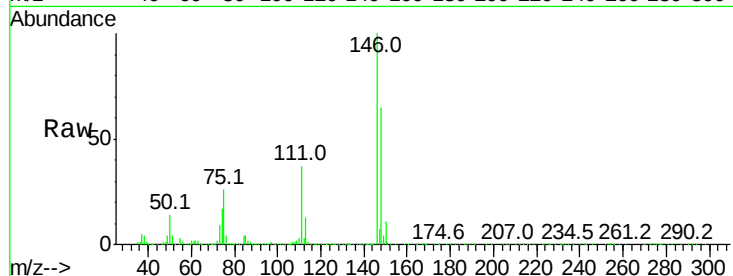
Tgt Ion:146 Resp: 346579

Ion Ratio Lower Upper

146 100

111 37.4 31.0 57.6

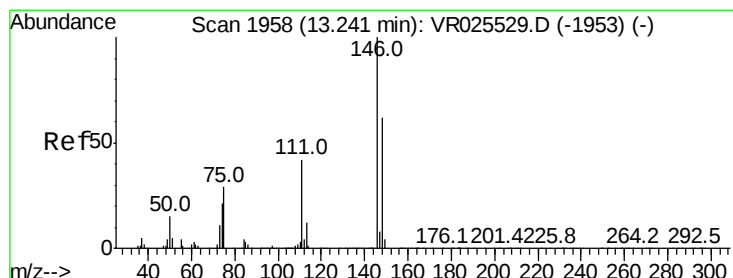
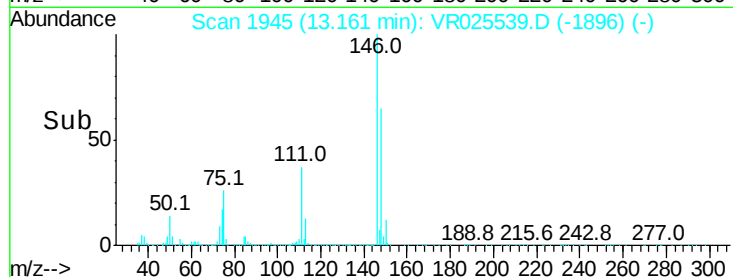
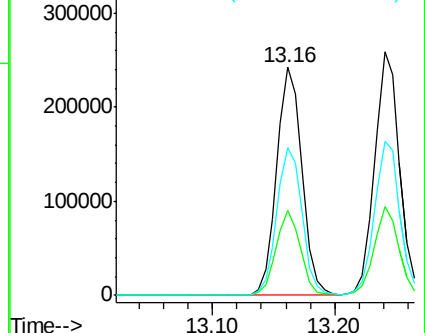
148 64.6 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.821 ug/L

RT: 13.24 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

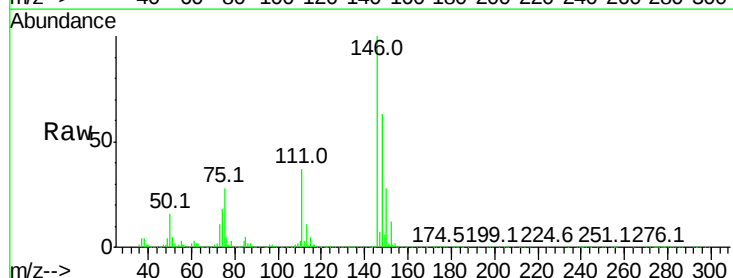
Tgt Ion:146 Resp: 366811

Ion Ratio Lower Upper

146 100

111 36.6 30.5 56.7

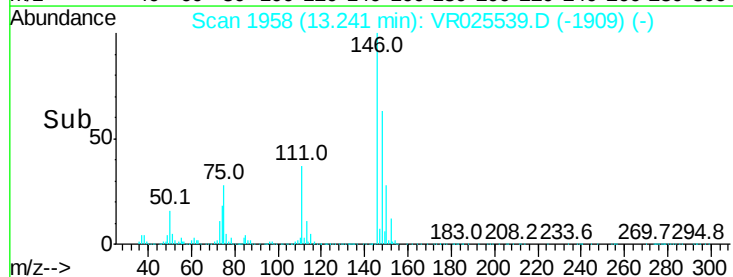
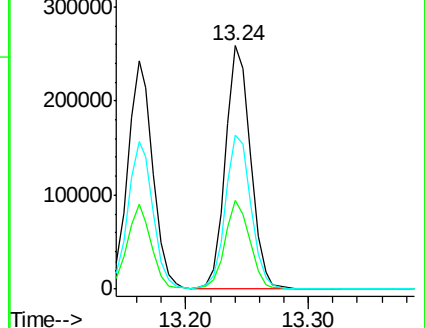
148 63.1 42.8 79.4

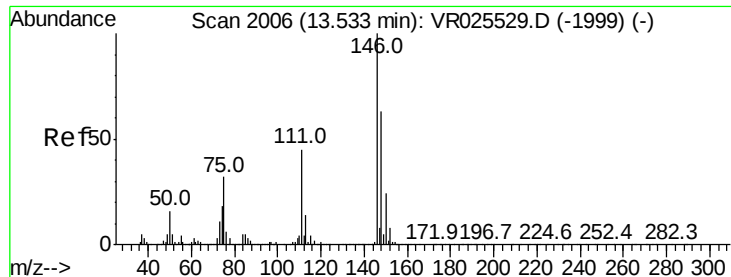


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.886 ug/L

RT: 13.53 min Scan# 2006

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

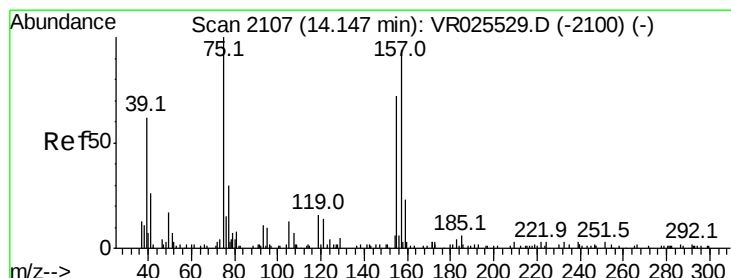
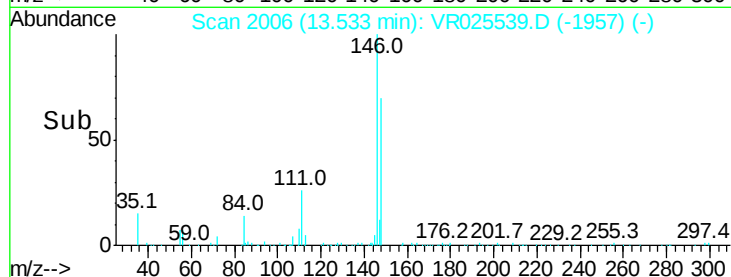
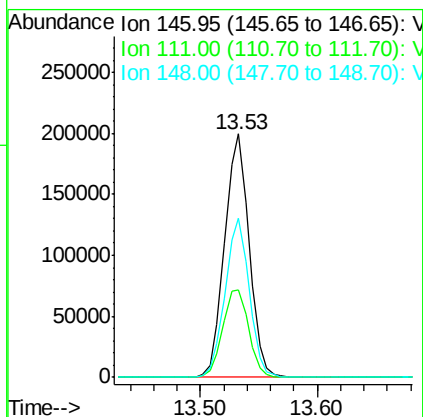
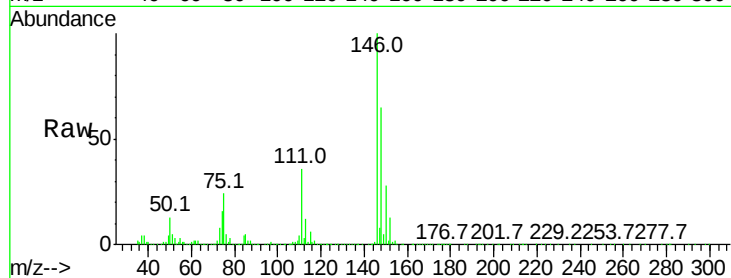
Instrument :

MSVOA_R

ClientSampled :

VSTD00583

Tgt Ion:	146	Resp:	290993
Ion Ratio	Lower	Upper	
146	100		
111	36.1	35.8	53.8
148	65.1	50.4	75.6



#66

1,2-Dibromo-3-chloropropane

Concen: 2.777 ug/L

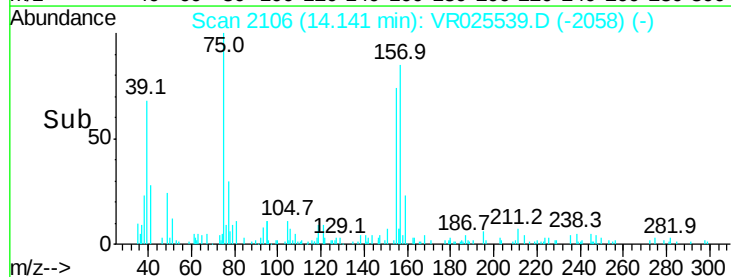
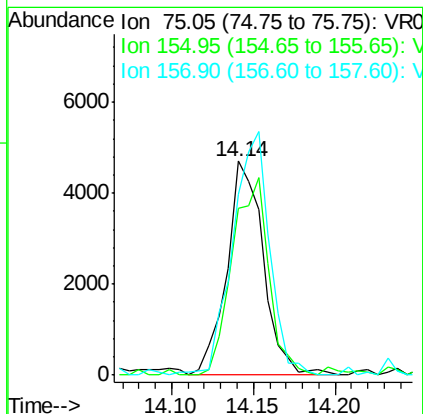
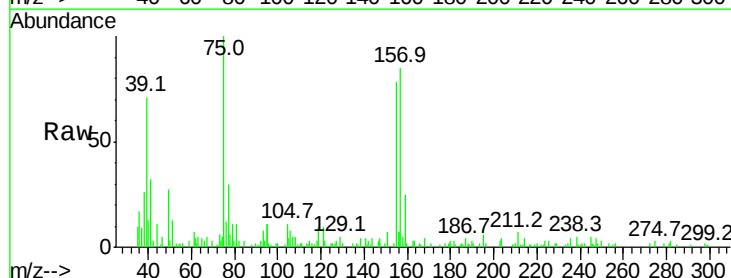
RT: 14.14 min Scan# 2106

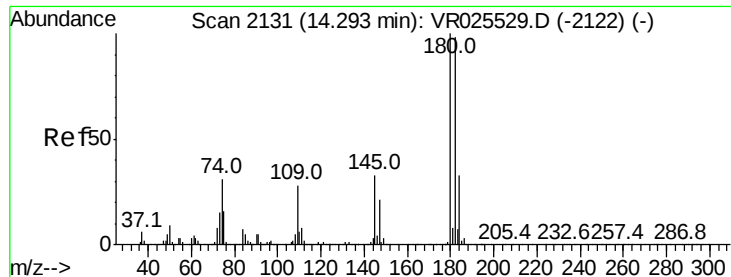
Delta R.T. -0.01 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Tgt Ion:	75	Resp:	7315
Ion Ratio	Lower	Upper	
75	100		
155	77.9	74.1	111.1
157	84.6	71.0	106.6

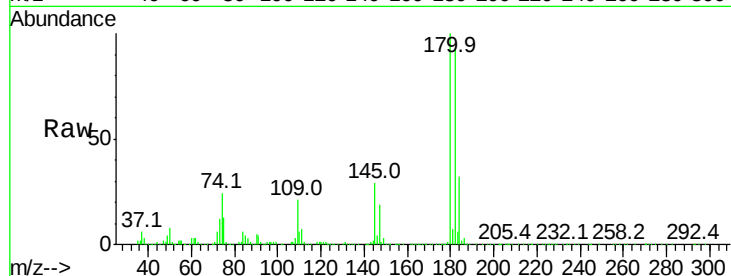




#67
 1,3,5-Trichlorobenzene
 Concen: 5.050 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025539.D
 Acq: 30 Jul 2018 13:02

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Tgt Ion:	180	Resp:	226054
Ion Ratio	Lower	Upper	
180	100		
182	93.7	76.0	114.0
184	30.1	24.5	36.7
145	30.1	25.2	37.8

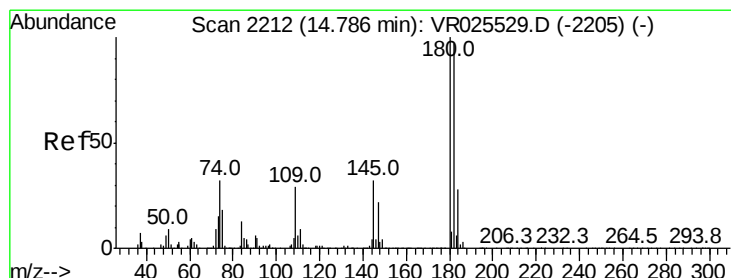
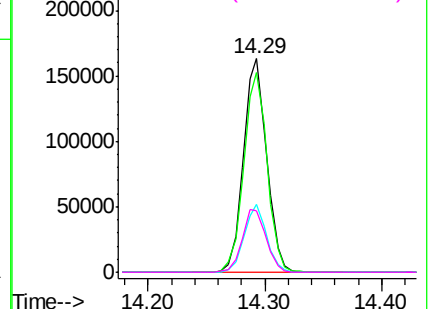
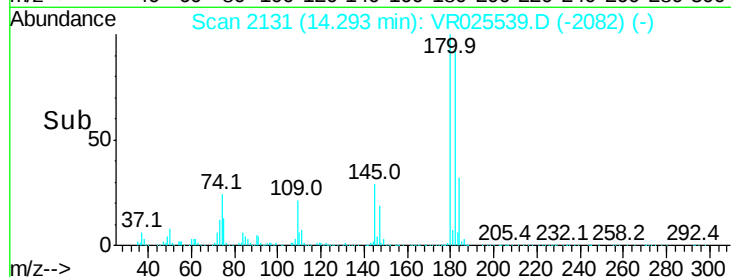


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

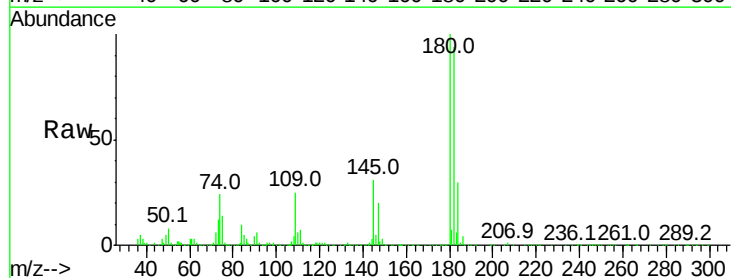
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.579 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025539.D
 Acq: 30 Jul 2018 13:02

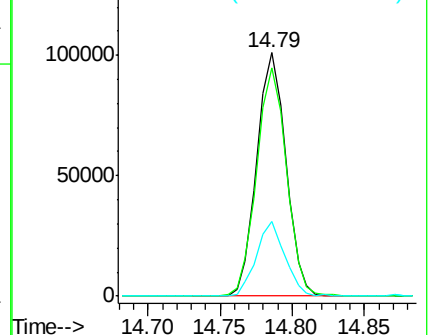
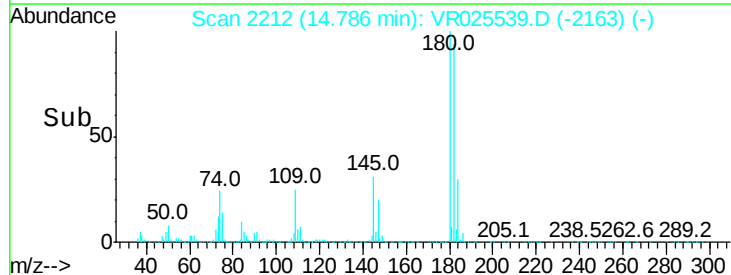
Tgt Ion:	180	Resp:	140889
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.0	112.4
145	30.0	27.3	40.9

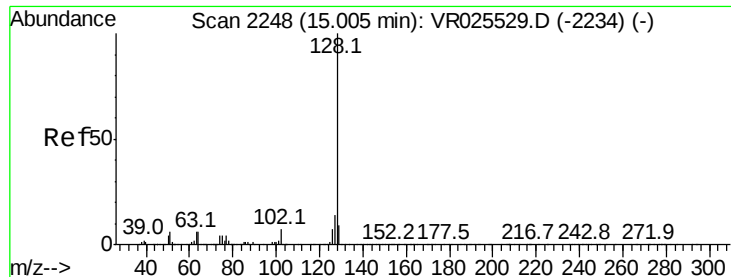


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.229 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

Instrument :

MSVOA_R

ClientSampleId :

VSTD00583

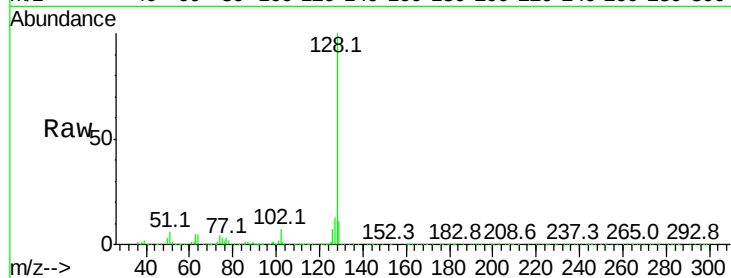
Tgt Ion:128 Resp: 166641

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

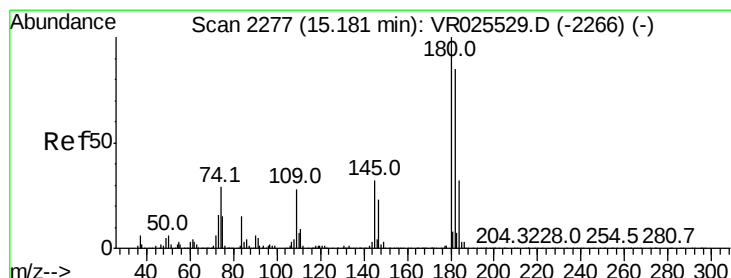
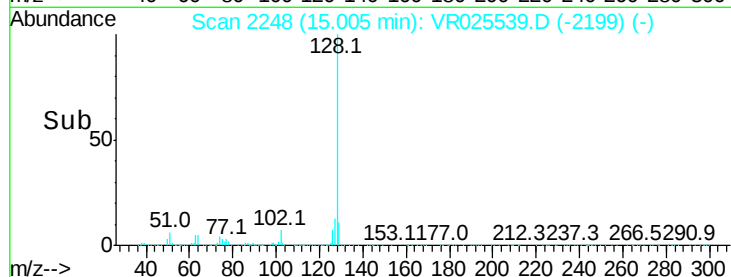
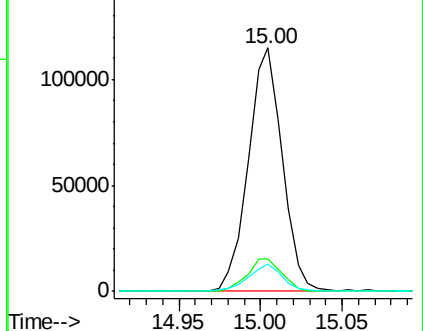
129 11.1 8.6 13.0



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: 4.625 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025539.D

Acq: 30 Jul 2018 13:02

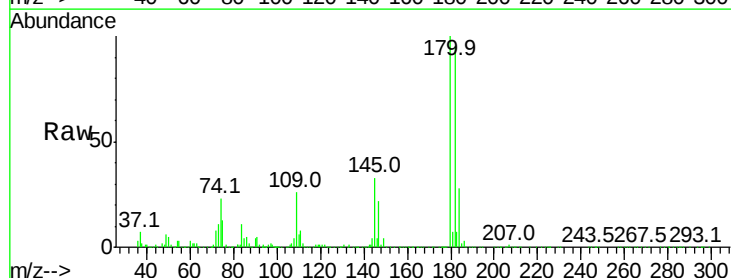
Tgt Ion:180 Resp: 109765

Ion Ratio Lower Upper

180 100

182 94.5 75.2 112.8

145 32.6 28.2 42.2



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

