

Data File : VR025843.D
Acq On : 25 Sep 2018 12:20
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Quant Time: Sep 26 06:52:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 25 08:50:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	428262	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	344788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	119804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	150495	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	2.62	69	128453	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	3.63	63	396183	5.34	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	6.59	46	191195	46.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	7.20	84	299378	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	7.89	65	127269	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	7.85	84	592422	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	8.90	67	165007	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	9.97	98	539810	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	10.23	79	38459	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	10.59	63	145331	45.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.10%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65469	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	95286	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	209935	4.706	ug/L	99
3) Chloromethane	2.01	50	248895	5.126	ug/L	99
5) Vinyl chloride	2.17	62	252273	5.485	ug/L	98
6) Bromomethane	2.52	94	144846	5.540	ug/L	97
8) Chloroethane	2.65	64	144914	5.545	ug/L	95
9) Trichlorofluoromethane	2.93	101	113428	1.989	ug/L #	4
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	213415	6.141	ug/L	97
12) 1,1-Dichloroethene	3.64	96	204562	5.537	ug/L	95
13) Acetone	3.69	43	168263	62.374	ug/L	96
14) Carbon disulfide	3.94	76	539062	5.186	ug/L	99
15) Methyl Acetate	4.19	43	46067	5.323	ug/L	95
16) Methylene chloride	4.40	84	172477	5.193	ug/L	96
17) Methyl tert-butyl Ether	4.90	73	263169	4.073	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	193881	4.639	ug/L	96
19) 1,1-Dichloroethane	5.69	63	386619	4.524	ug/L	96
21) 2-Butanone	6.69	43	262989	46.776	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	191886	4.558	ug/L #	94

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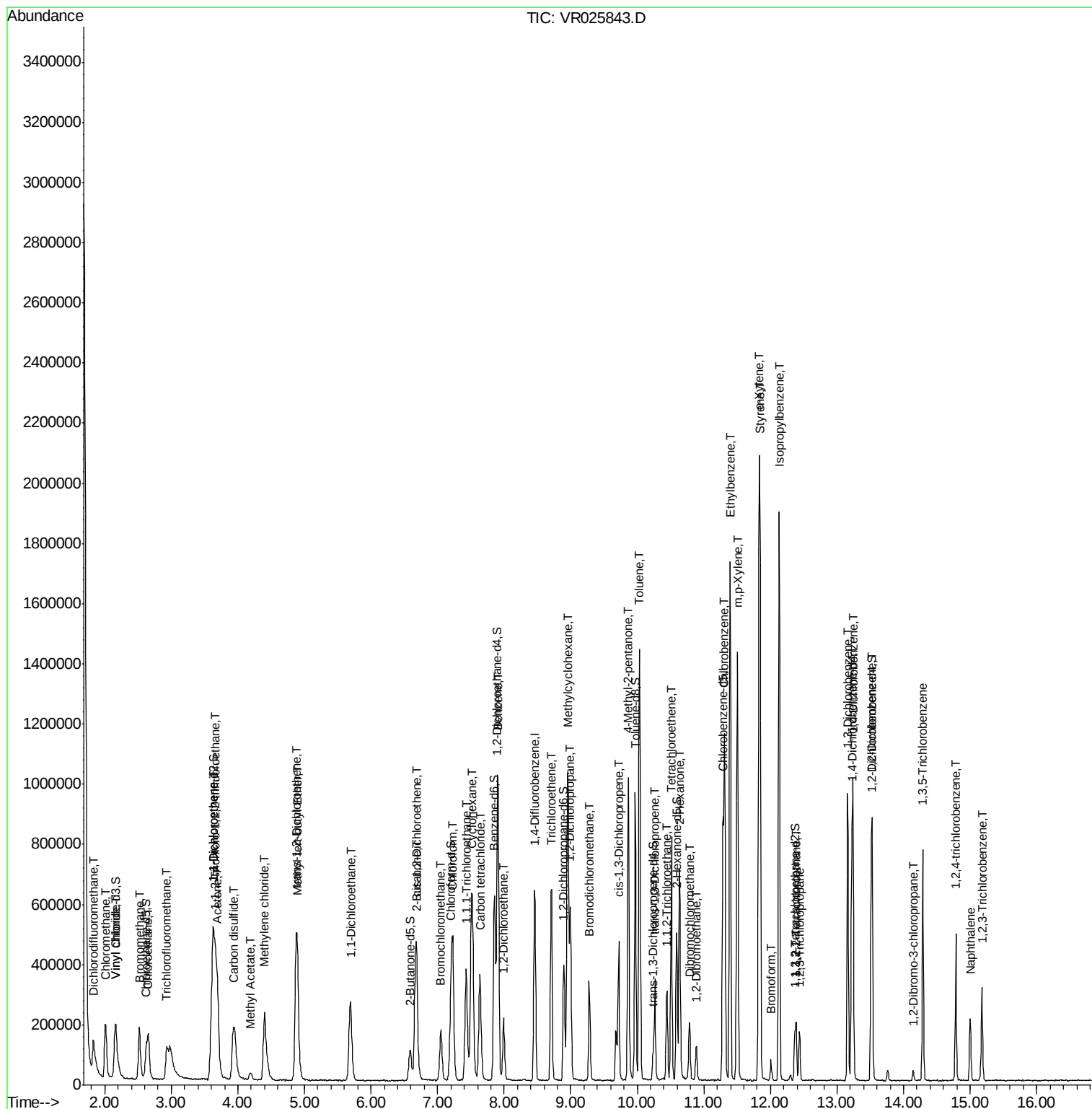
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	47046	4.240	ug/L	90
25) Chloroform	7.23	83	367594	4.678	ug/L	100
27) 1,2-Dichloroethane	7.99	62	176926	4.357	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	306030	4.395	ug/L	97
30) Cyclohexane	7.51	56	408019	4.915	ug/L	98
31) Carbon tetrachloride	7.63	117	255651	4.462	ug/L	100
33) Benzene	7.91	78	865497	4.782	ug/L	100
34) Trichloroethene	8.71	95	220788	4.596	ug/L	96
35) Methylcyclohexane	8.95	83	386087	4.901	ug/L	99
37) 1,2-Dichloropropane	9.00	63	186363	4.618	ug/L	99
38) Bromodichloromethane	9.28	83	199747	4.483	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	223008	4.514	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	656266	46.709	ug/L	98
42) Toluene	10.03	91	900156	4.880	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	147960	4.322	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	77549	4.584	ug/L	95
47) Tetrachloroethene	10.51	164	121962	4.439	ug/L	97
48) 2-Hexanone	10.63	43	434227	46.994	ug/L	98
49) Dibromochloromethane	10.79	129	78586	4.458	ug/L	98
50) 1,2-Dibromoethane	10.89	107	63323	4.253	ug/L #	99
51) Chlorobenzene	11.32	112	450371	4.654	ug/L	99
52) Ethylbenzene	11.39	91	1054817	4.970	ug/L	100
53) m,p-Xylene	11.50	106	370570	4.842	ug/L	100
54) o-Xylene	11.83	106	338143	4.825	ug/L	95
55) Styrene	11.84	104	531033	4.891	ug/L	97
56) Isopropylbenzene	12.13	105	974030	4.966	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	78005	4.698	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	59053	4.480	ug/L	100
61) Bromoform	12.01	173	23654	4.231	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	261993	4.726	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	254111	4.749	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	201822	4.782	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7479	3.876	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	147624	4.721	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	92912	4.670	ug/L	99
69) Naphthalene	15.00	128	134114	4.631	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	64150	4.538	ug/L	99

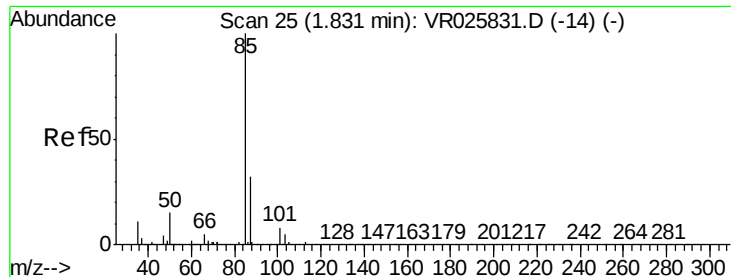
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.706 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

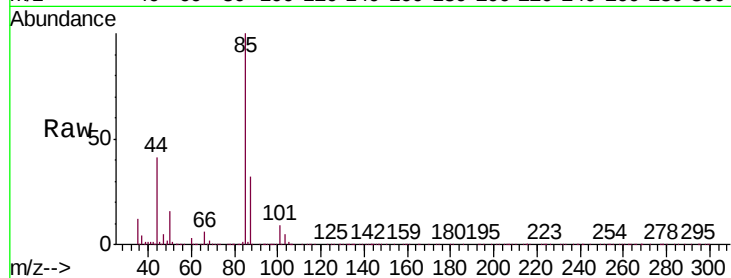
VSTD00584

Tgt Ion: 85 Resp: 209935

Ion Ratio Lower Upper

85 100

87 30.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.83

60000

50000

40000

30000

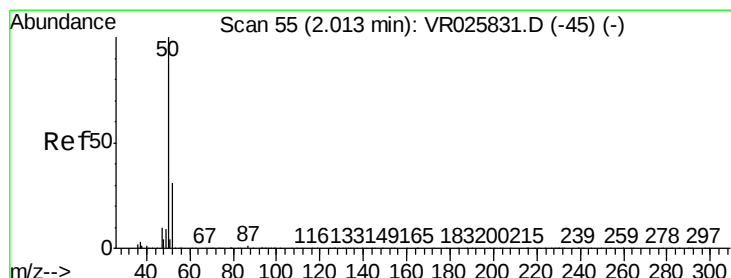
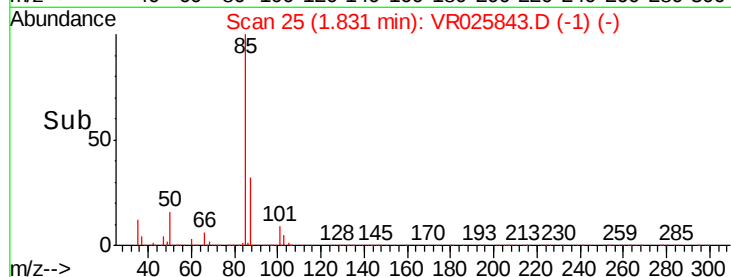
20000

10000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#3

Chloromethane

Concen: 5.126 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025843.D

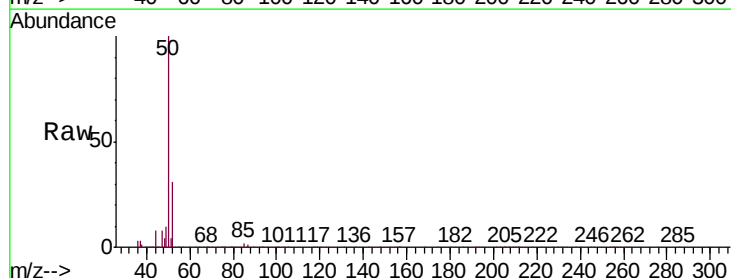
Acq: 25 Sep 2018 12:20

Tgt Ion: 50 Resp: 248895

Ion Ratio Lower Upper

50 100

52 31.1 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

120000

100000

80000

60000

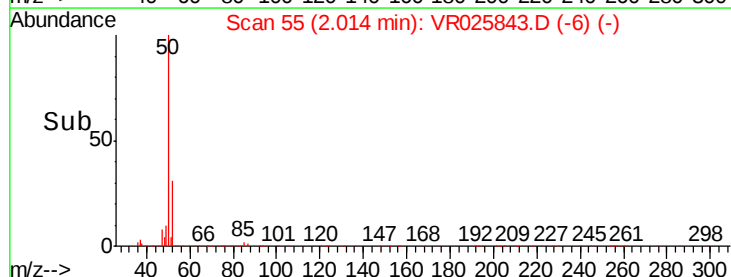
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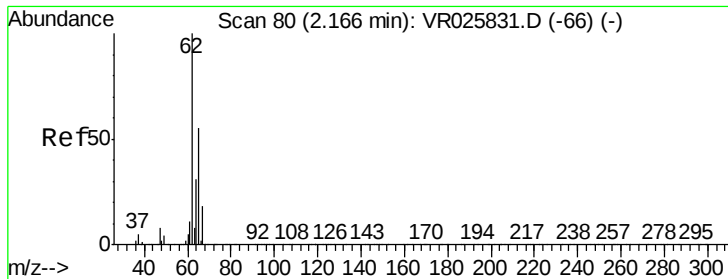
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0

1.90 2.00 2.10

Time-->





#5

Vinyl chloride

Concen: 5.485 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

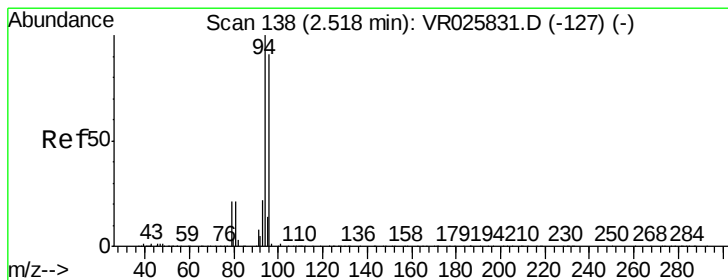
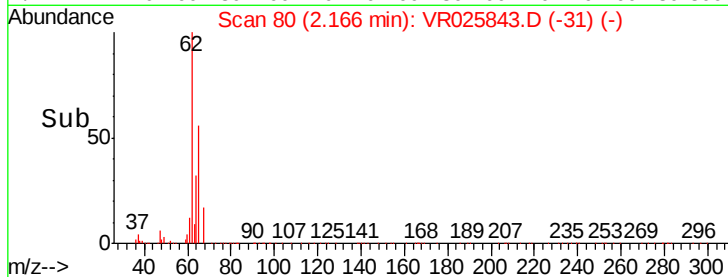
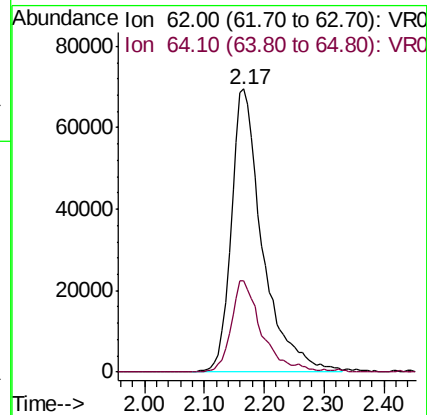
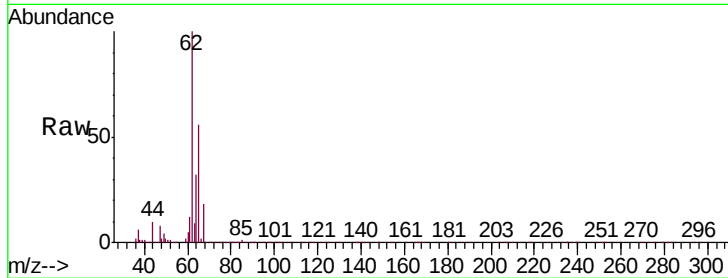
VSTD00584

Tgt Ion: 62 Resp: 252273

Ion Ratio Lower Upper

62 100

64 32.3 23.5 43.7



#6

Bromomethane

Concen: 5.540 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.00 min

Lab File: VR025843.D

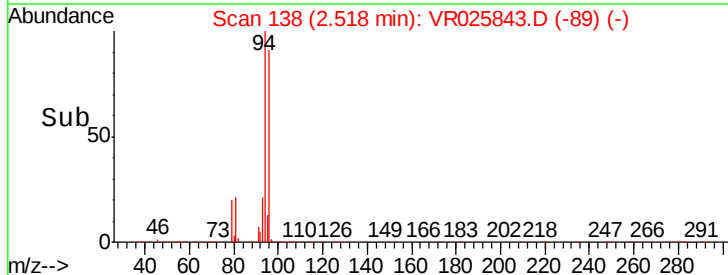
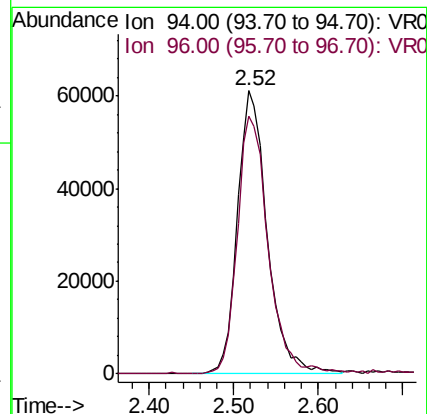
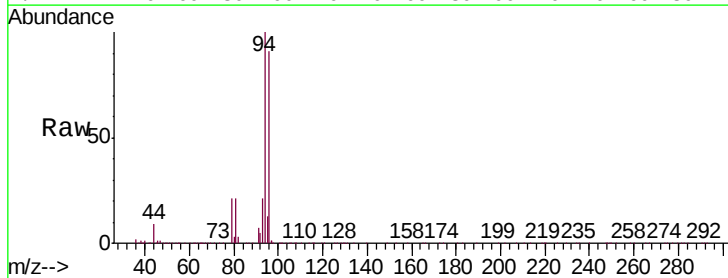
Acq: 25 Sep 2018 12:20

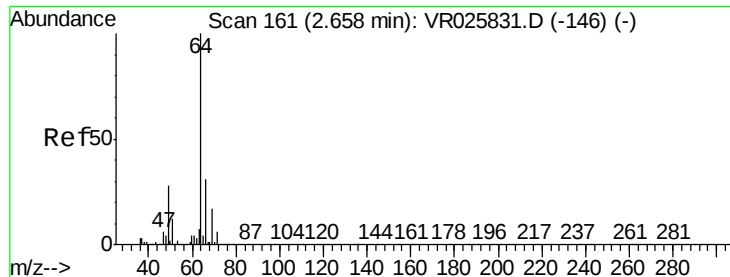
Tgt Ion: 94 Resp: 144846

Ion Ratio Lower Upper

94 100

96 91.5 66.1 122.8





#8

Chloroethane

Concen: 5.545 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

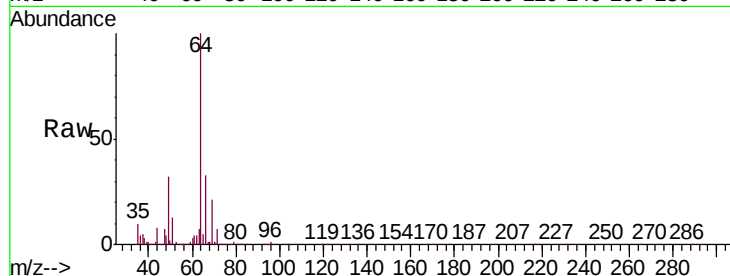
VSTD00584

Tgt Ion: 64 Resp: 144914

Ion Ratio Lower Upper

64 100

66 33.3 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

60000

50000

40000

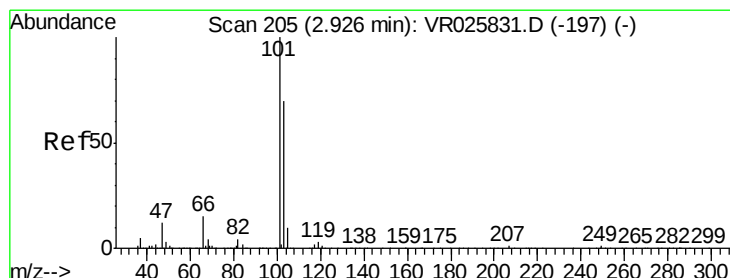
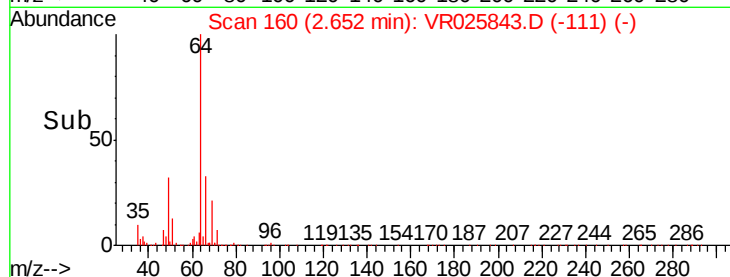
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.989 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR025843.D

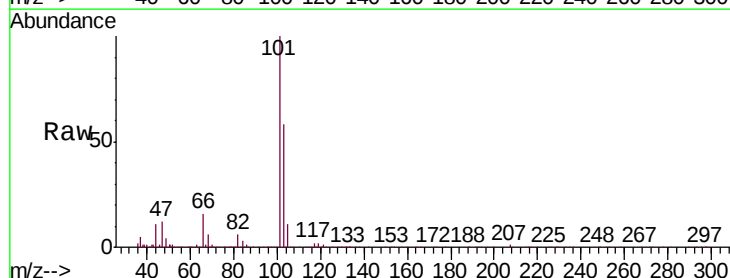
Acq: 25 Sep 2018 12:20

Tgt Ion: 101 Resp: 113428

Ion Ratio Lower Upper

101 100

103 77.7 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

50000

40000

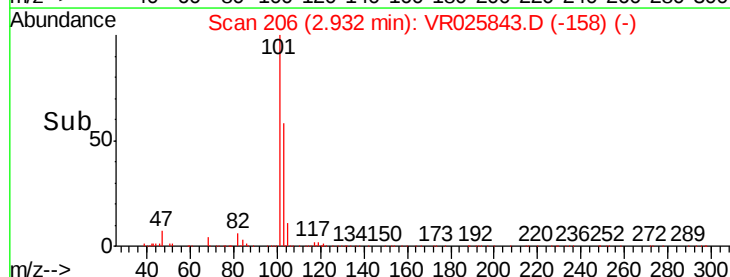
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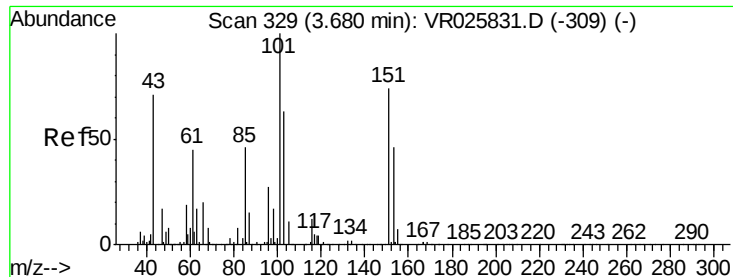
20000

10000

0

Time-->





#10

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

Concen: 6.141 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR025843.D

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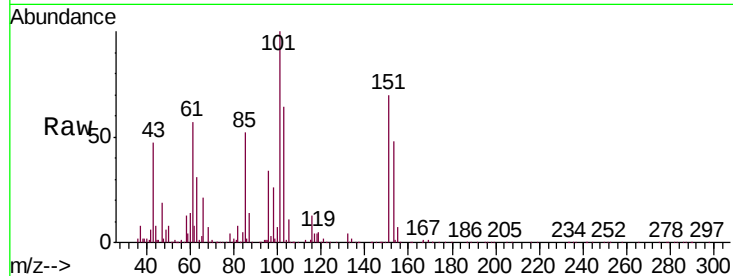
Tgt Ion:101 Resp: 213415

Ion Ratio Lower Upper

101 100

85 49.1 38.2 57.4

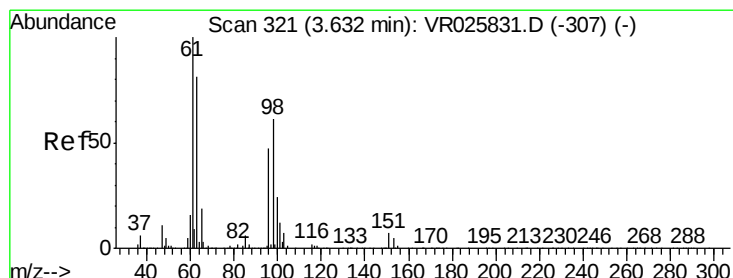
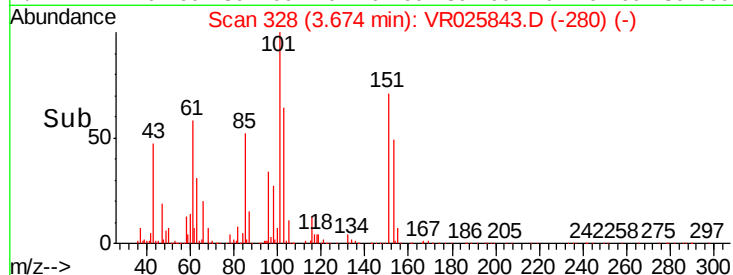
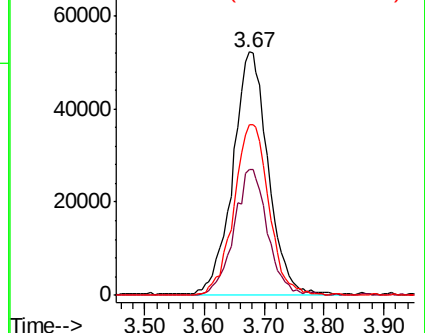
151 69.9 58.4 87.6



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: 5.537 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.01 min

Lab File: VR025843.D

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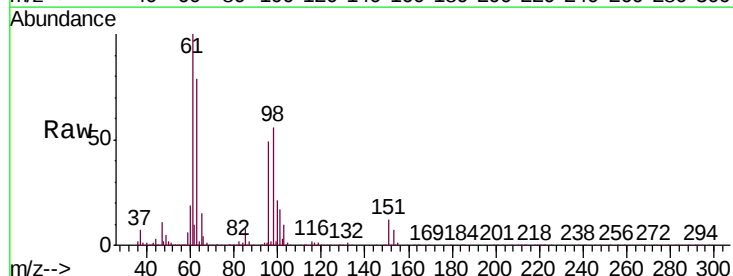
Tgt Ion: 96 Resp: 204562

Ion Ratio Lower Upper

96 100

61 205.1 145.0 269.4

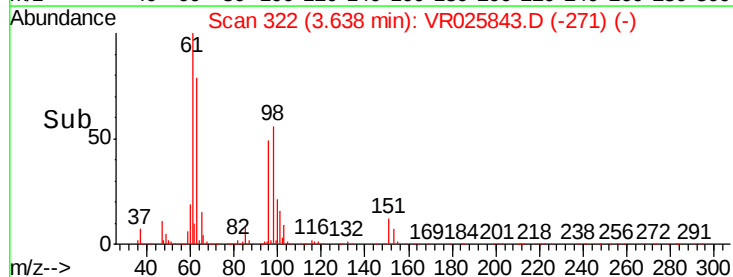
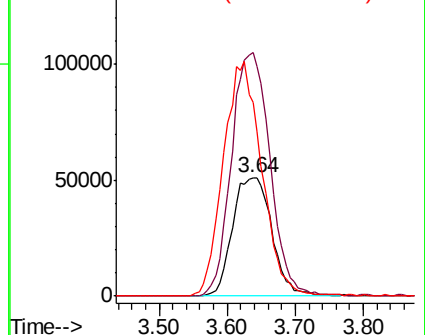
63 163.0 123.8 230.0

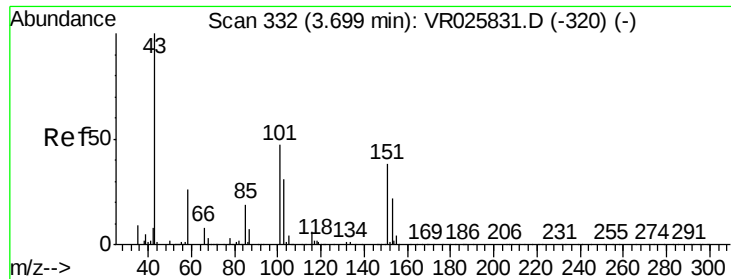


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 62.374 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

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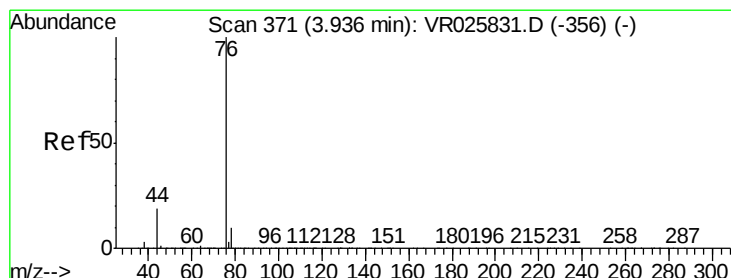
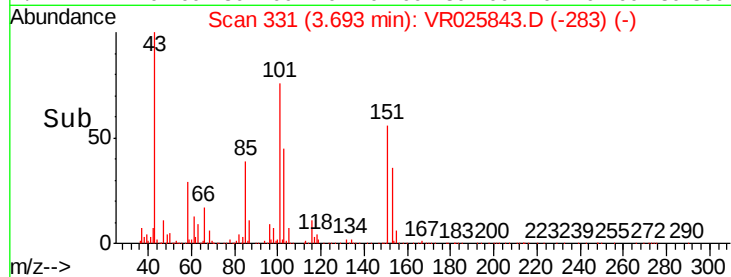
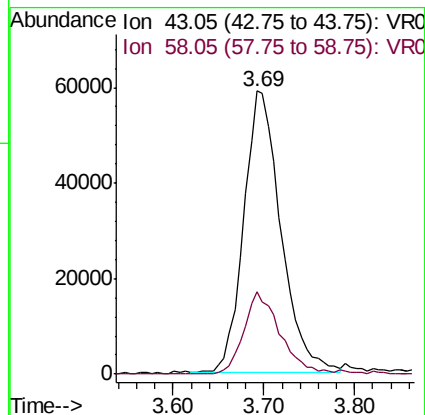
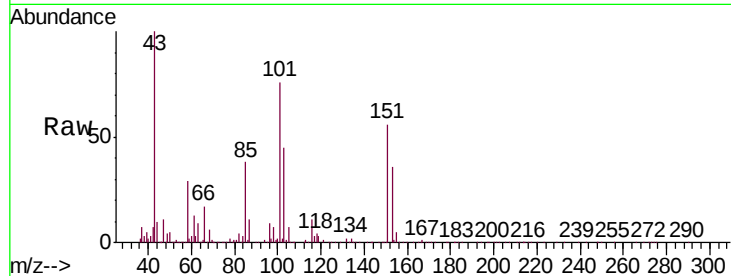
VSTD00584

Tgt Ion: 43 Resp: 168263

Ion Ratio Lower Upper

43 100

58 27.9 0.0 51.4



#14

Carbon disulfide

Concen: 5.186 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR025843.D

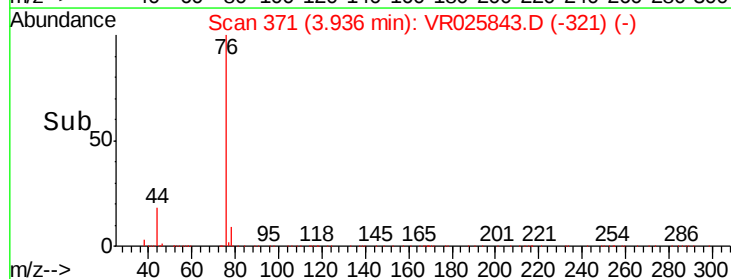
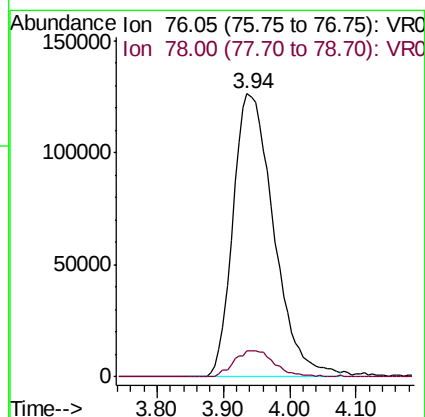
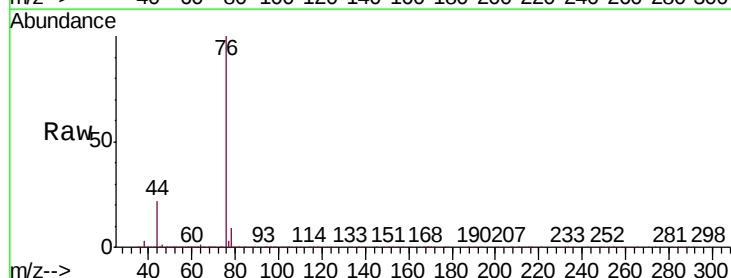
Acq: 25 Sep 2018 12:20

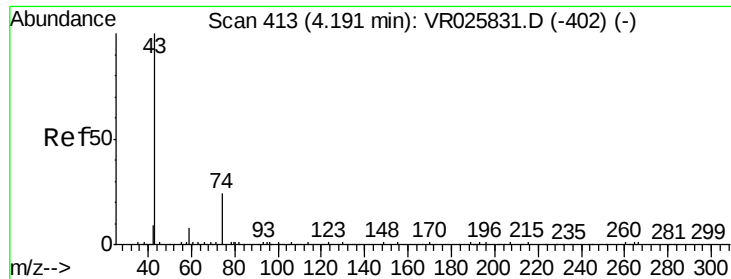
Tgt Ion: 76 Resp: 539062

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6

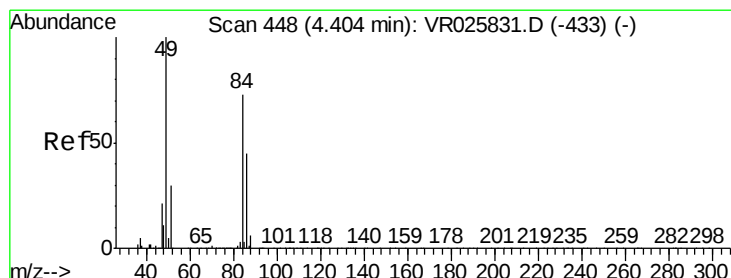
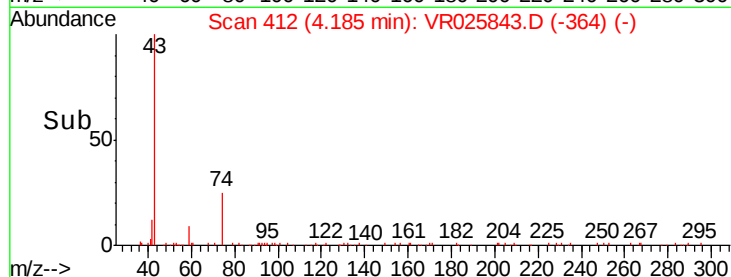
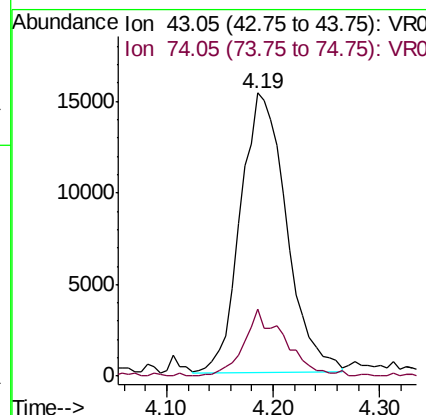
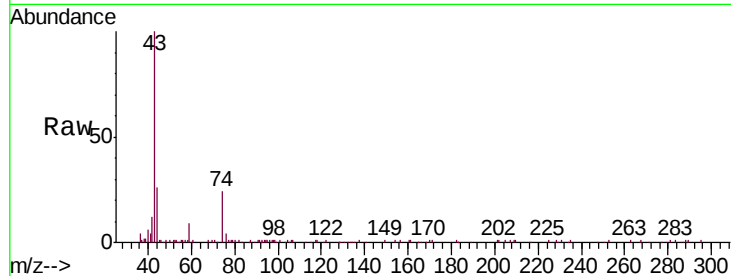




#15
Methyl Acetate
Concen: 5.323 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

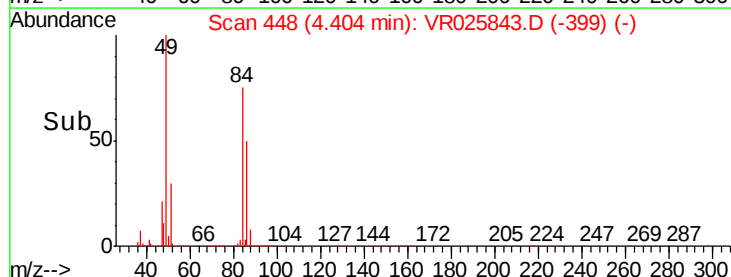
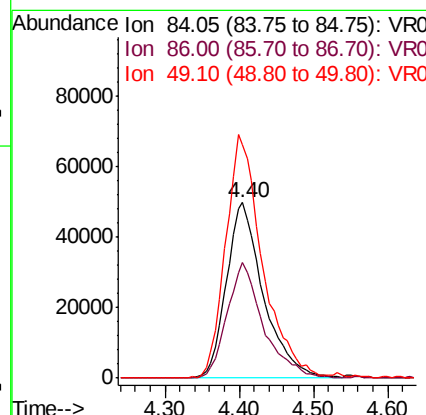
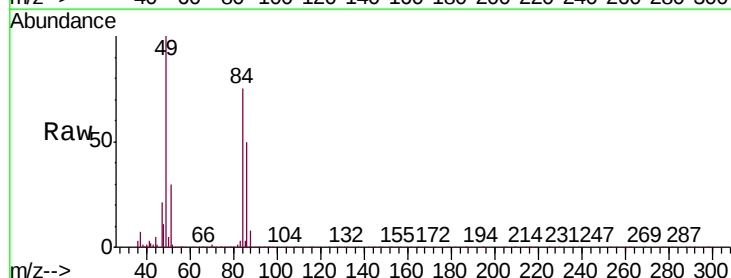
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

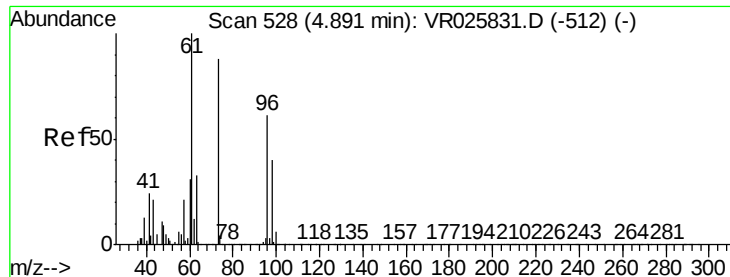
Tgt Ion: 43 Resp: 46067
Ion Ratio Lower Upper
43 100
74 21.3 19.0 28.4



#16
Methylene chloride
Concen: 5.193 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion: 84 Resp: 172477
Ion Ratio Lower Upper
84 100
86 65.9 43.1 80.1
49 132.7 95.5 177.3



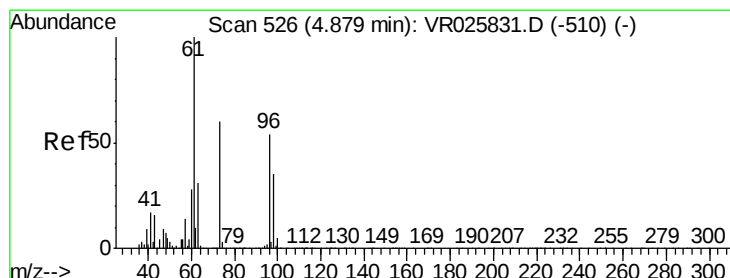
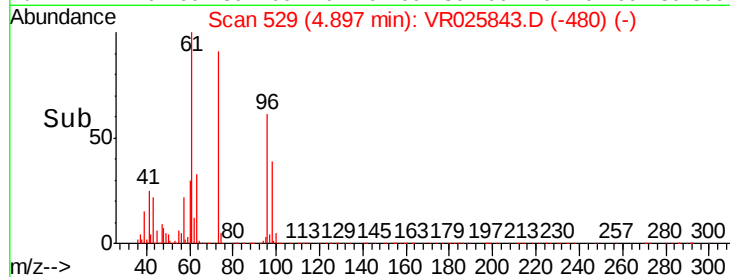
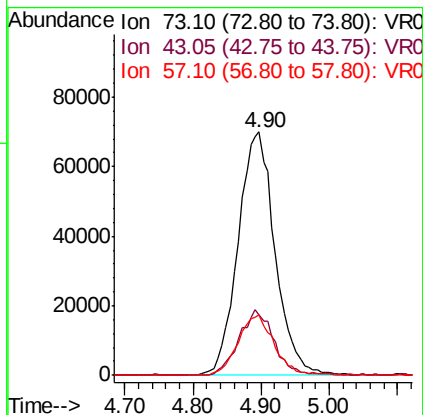
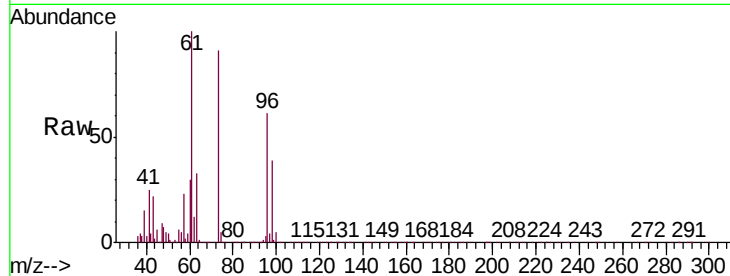


#17

Methyl tert-butyl Ether
 Concen: 4.073 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

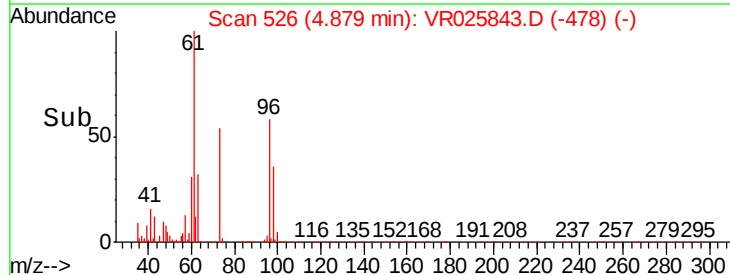
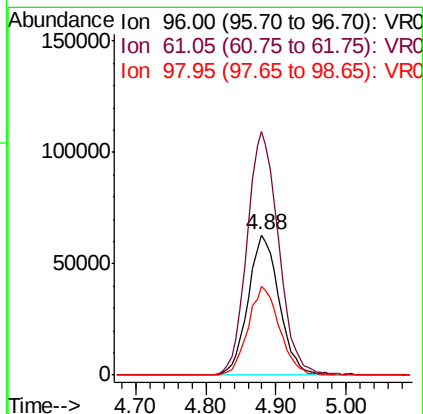
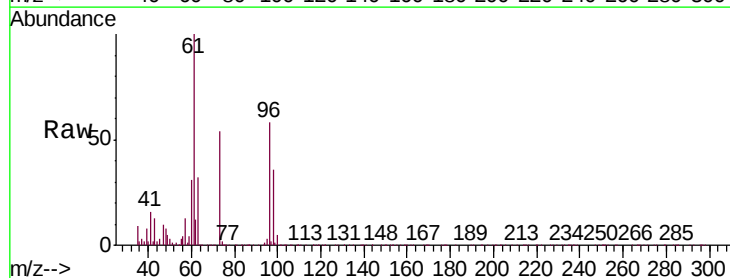
Tgt Ion:	73	Resp:	263169
Ion	Ratio	Lower	Upper
73	100		
43	25.6	19.8	29.8
57	24.2	17.9	26.9

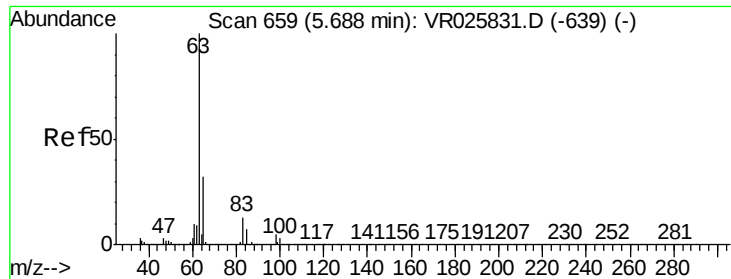


#18

trans-1,2-Dichloroethene
 Concen: 4.639 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion:	96	Resp:	193881
Ion	Ratio	Lower	Upper
96	100		
61	173.8	127.4	236.6
98	62.9	43.8	81.3

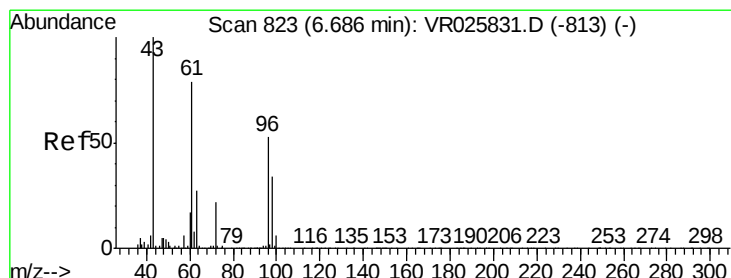
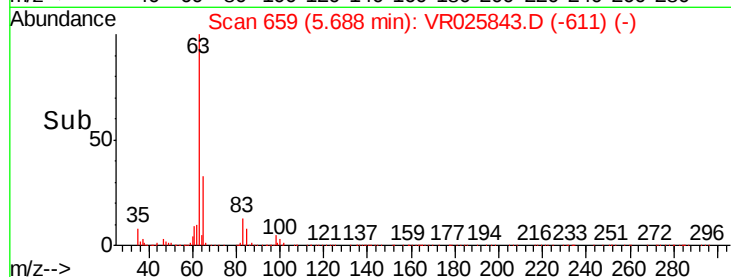
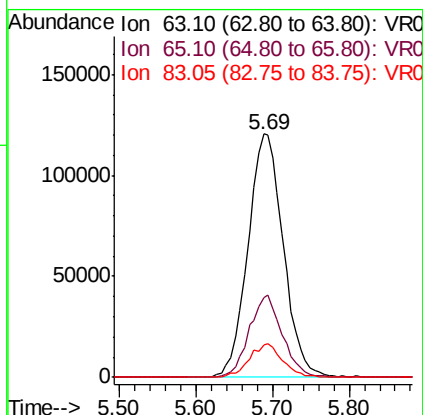
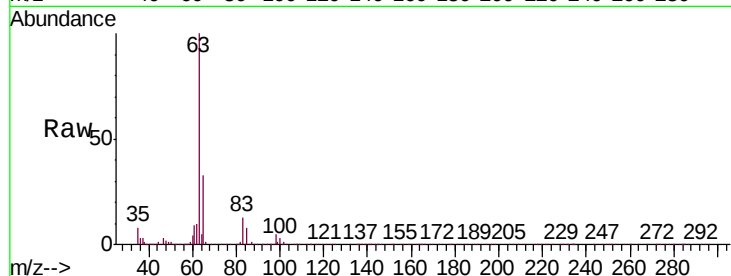




#19
 1,1-Dichloroethane
 Concen: 4.524 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

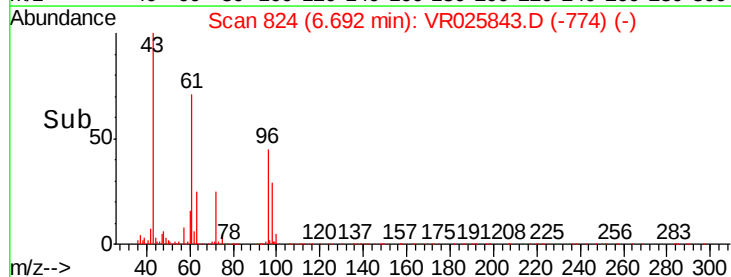
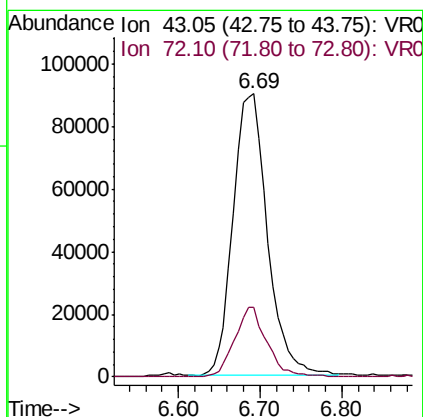
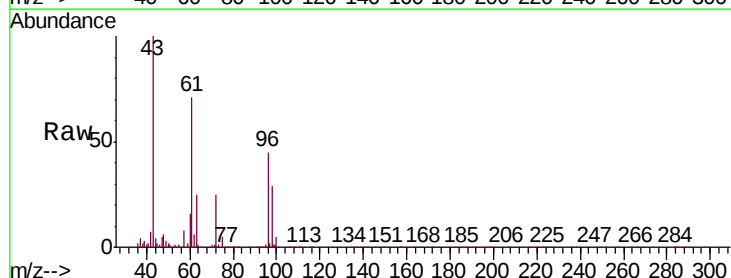
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

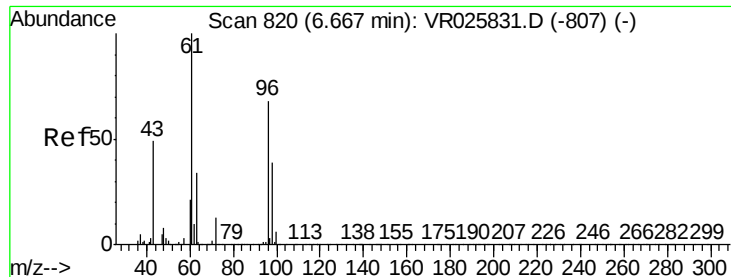
Tgt Ion:	63	Resp:	386619
Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.1	39.1
83	13.1	8.9	16.5



#21
 2-Butanone
 Concen: 46.776 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion:	43	Resp:	262989
Ion	Ratio	Lower	Upper
43	100		
72	23.1	11.9	35.7



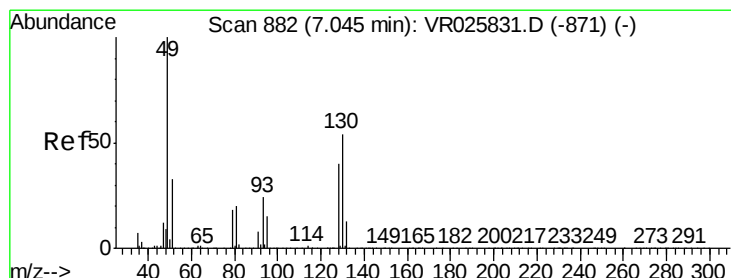
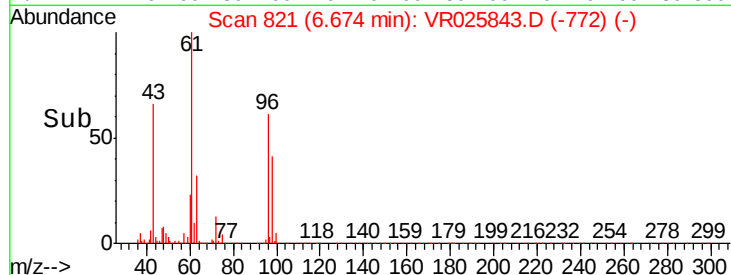
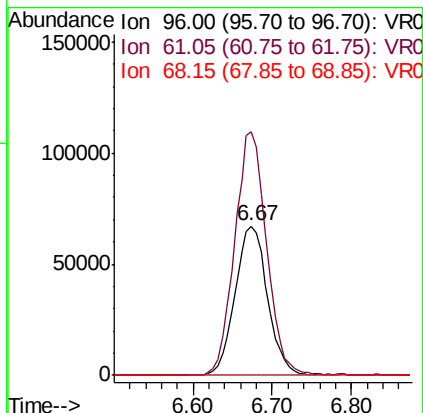
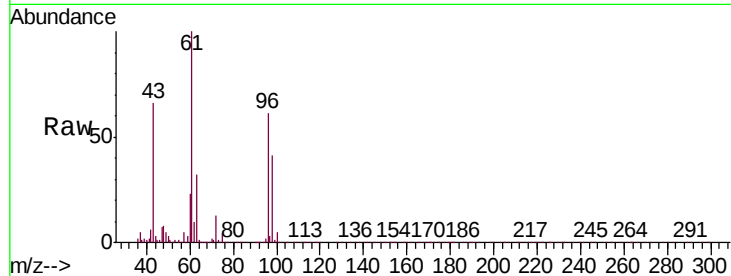


#22

cis-1,2-Dichloroethene
Concen: 4.558 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

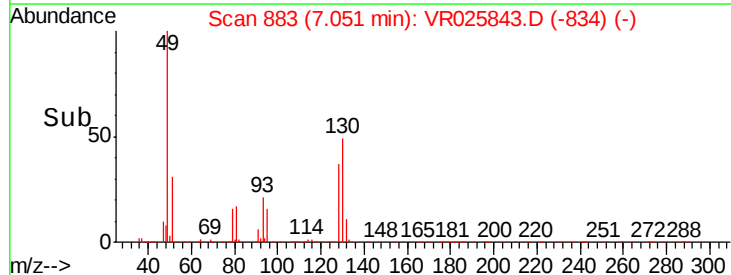
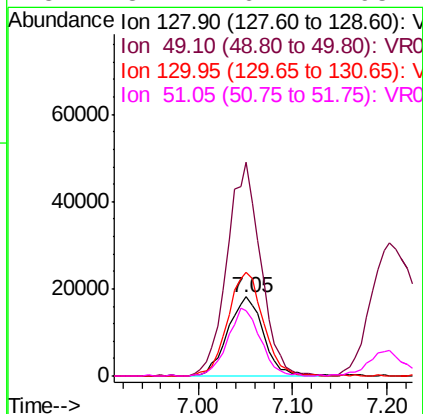
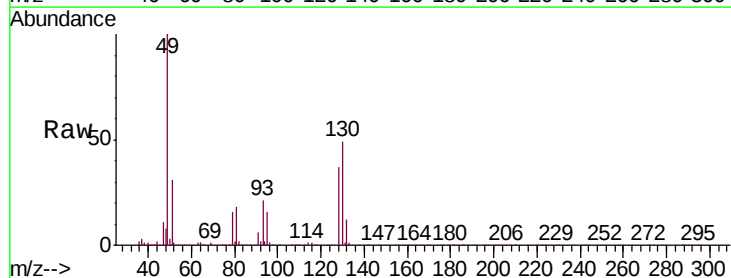
Tgt Ion: 96 Resp: 191886
Ion Ratio Lower Upper
96 100
61 163.2 108.7 201.9
68 0.0 0.1 0.1#

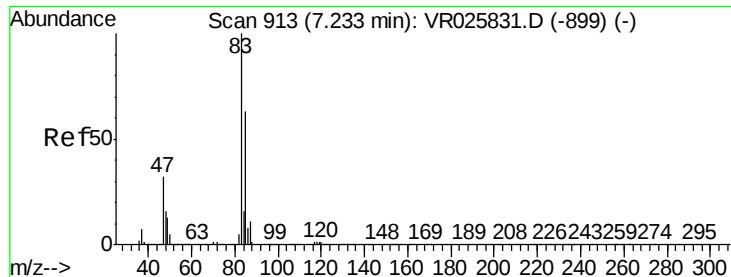


#23

Bromochloromethane
Concen: 4.240 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion: 128 Resp: 47046
Ion Ratio Lower Upper
128 100
49 270.3 175.0 325.0
130 131.3 85.6 159.0
51 82.7 62.2 93.2

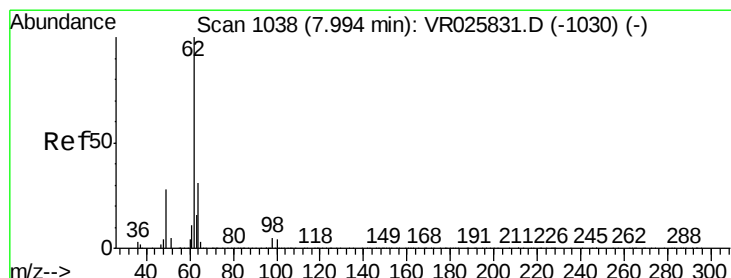
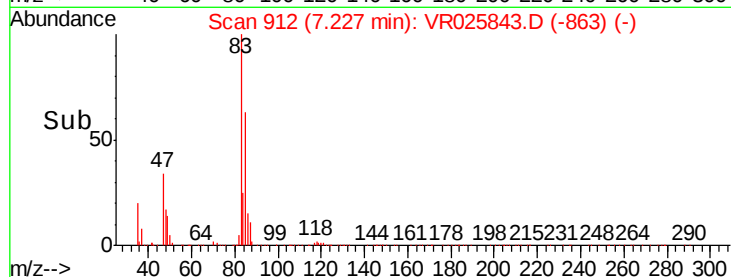
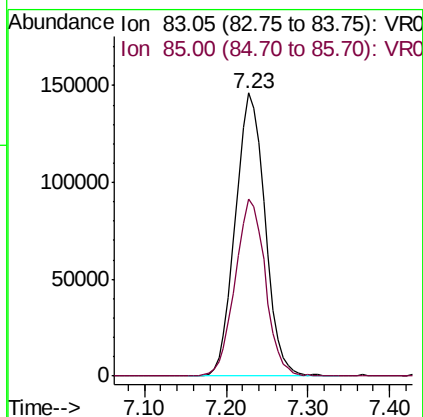
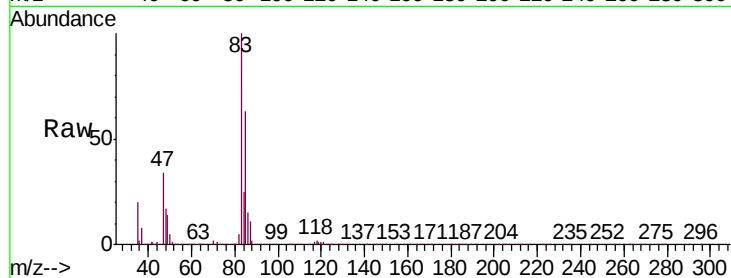




#25
Chloroform
Concen: 4.678 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

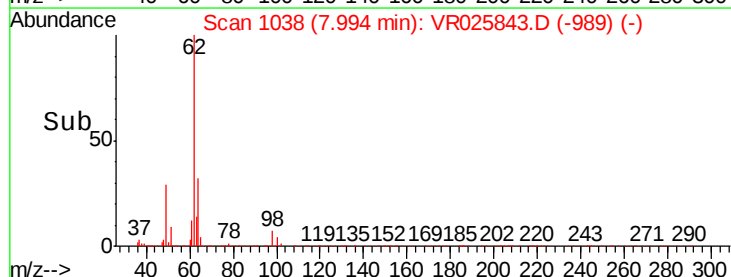
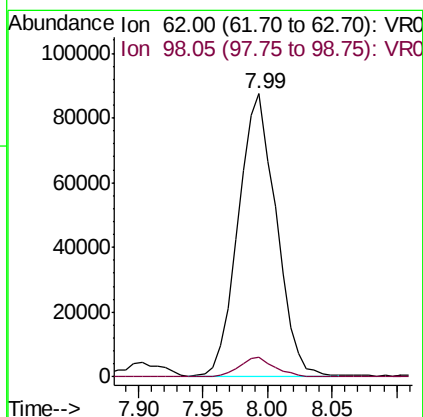
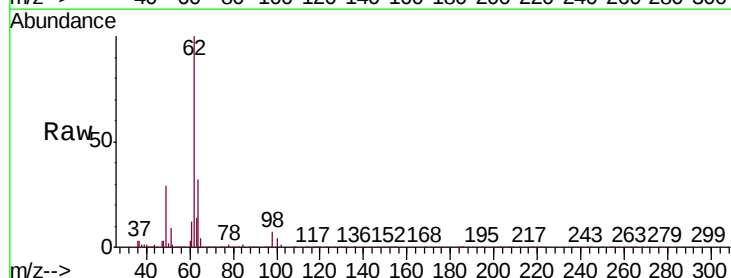
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

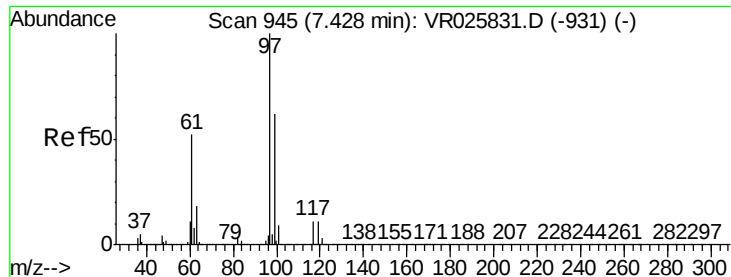
Tgt Ion: 83 Resp: 367594
Ion Ratio Lower Upper
83 100
85 62.8 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.357 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion: 62 Resp: 176926
Ion Ratio Lower Upper
62 100
98 7.2 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 4.395 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

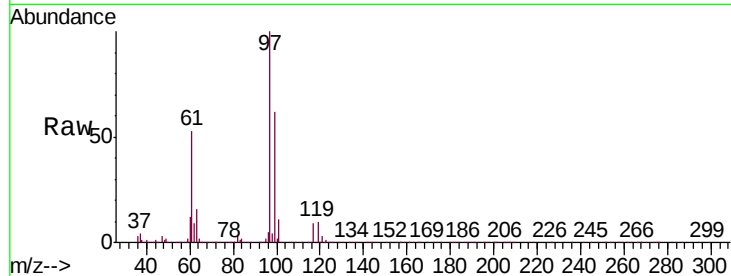
Tgt Ion: 97 Resp: 306030

Ion Ratio Lower Upper

97 100

99 63.1 51.0 76.6

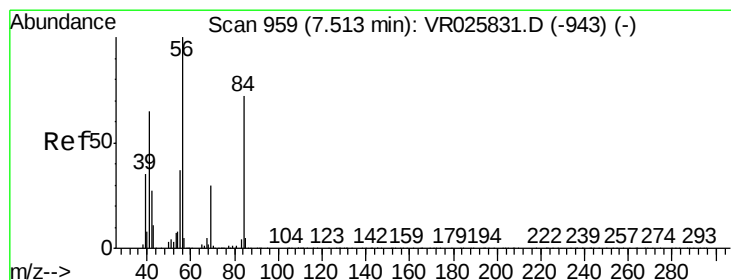
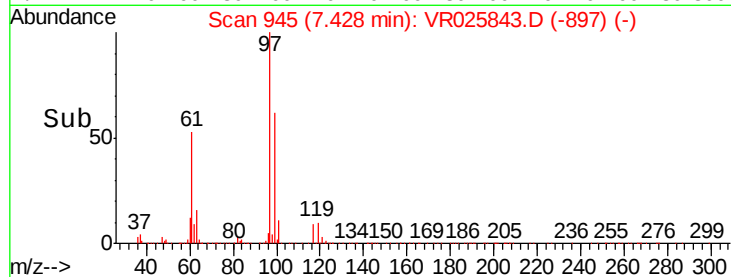
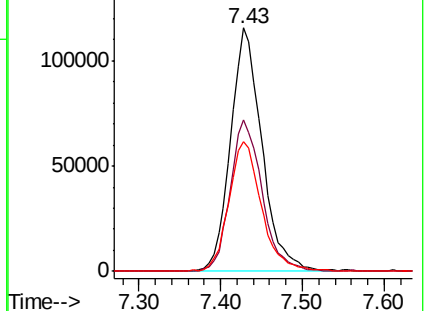
61 55.2 41.6 62.4



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: 4.915 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

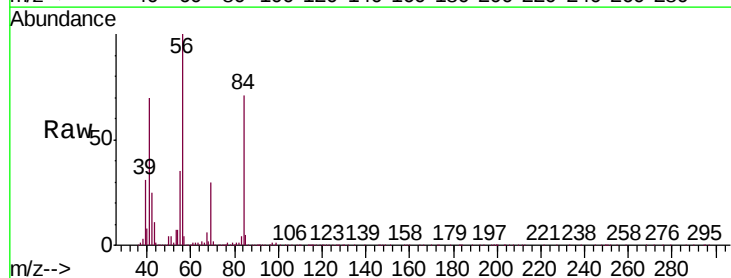
Tgt Ion: 56 Resp: 408019

Ion Ratio Lower Upper

56 100

69 29.5 24.8 37.2

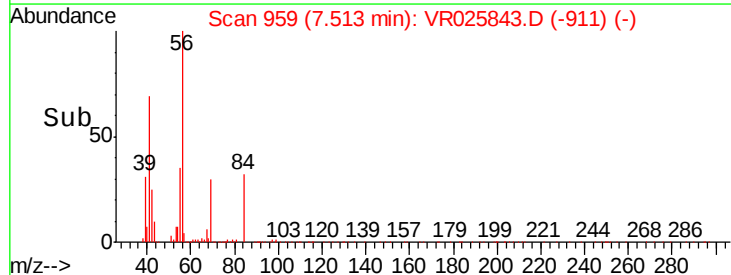
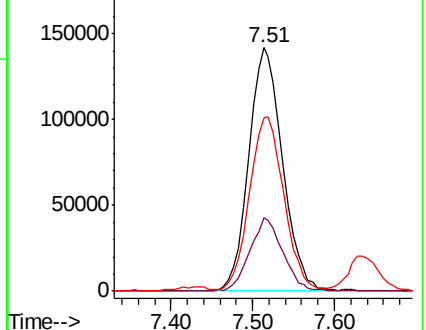
84 73.3 59.8 89.8

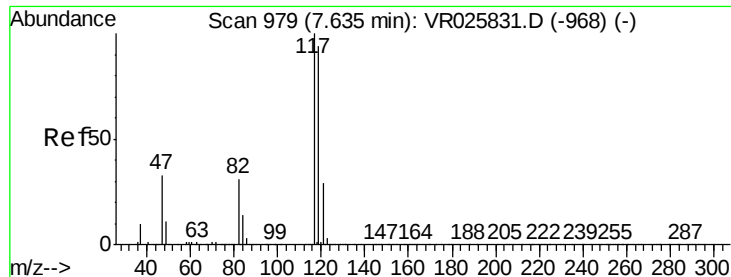


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.462 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

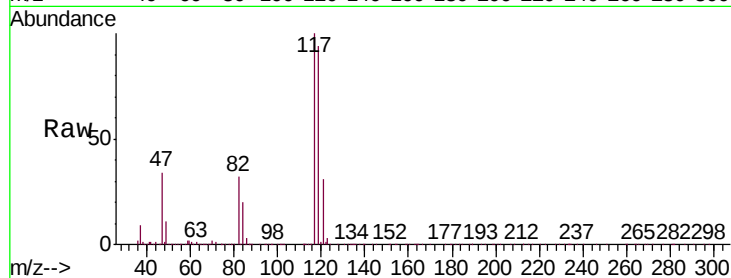
VSTD00584

Tgt Ion:117 Resp: 255651

Ion Ratio Lower Upper

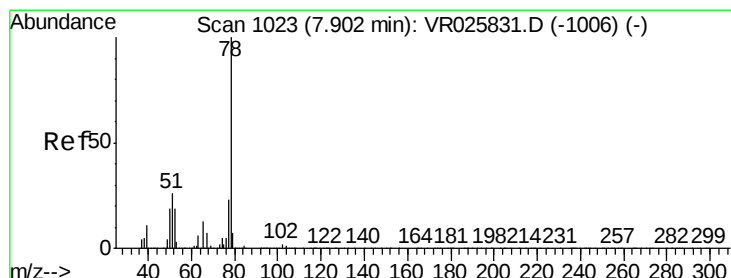
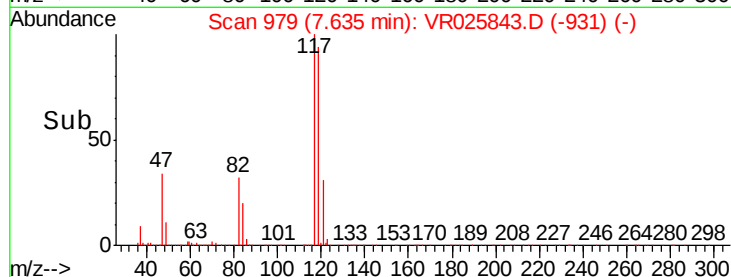
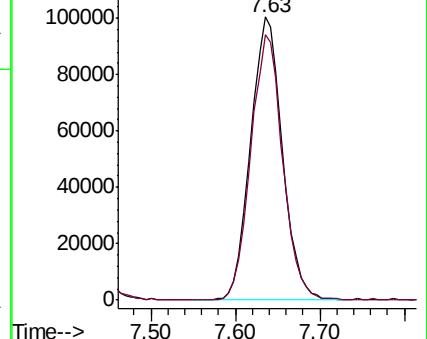
117 100

119 94.4 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.782 ug/L

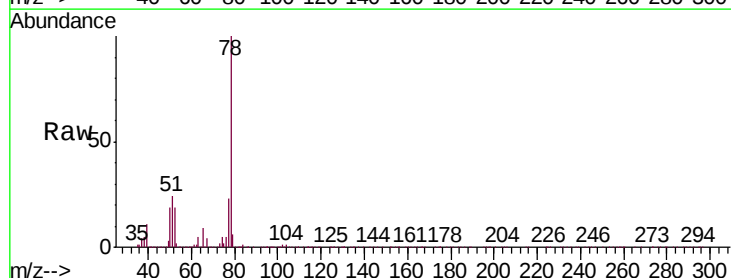
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

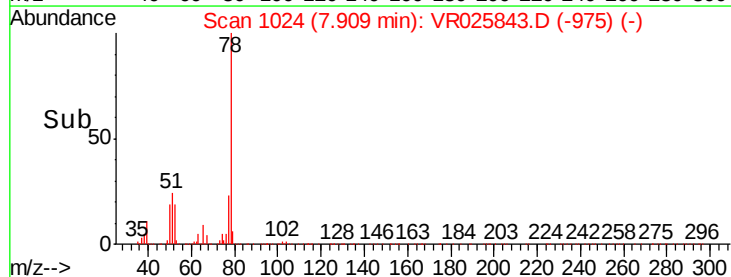
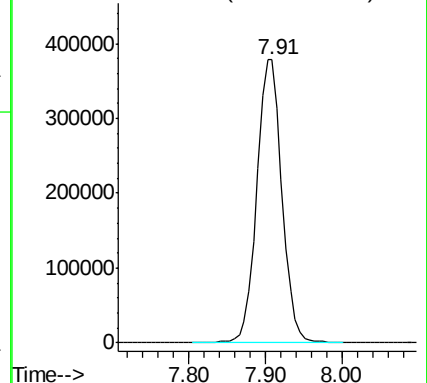
Lab File: VR025843.D

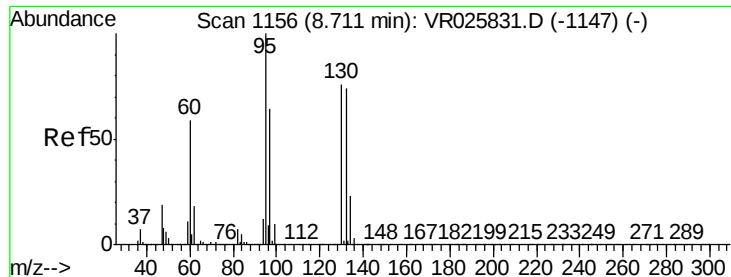
Acq: 25 Sep 2018 12:20

Tgt Ion: 78 Resp: 865497



Abundance Ion 78.10 (77.80 to 78.80): VR0

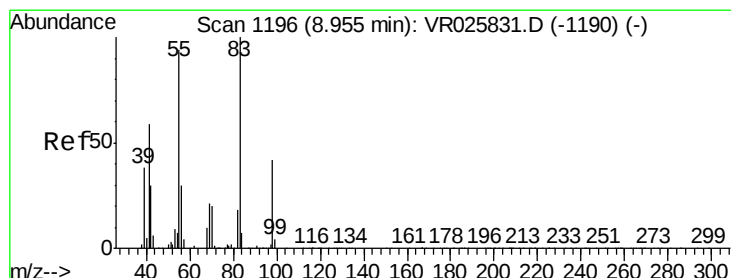
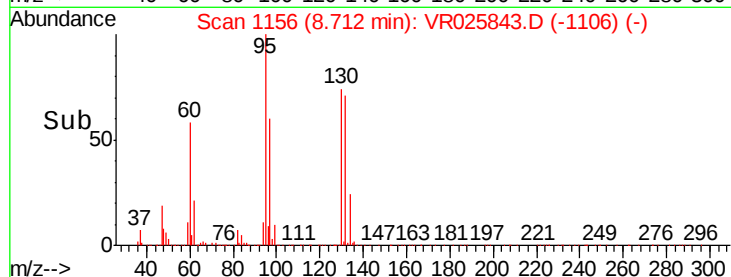
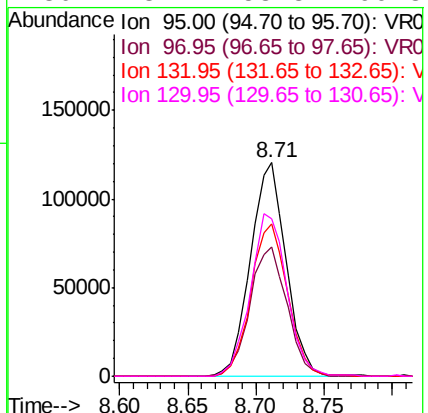
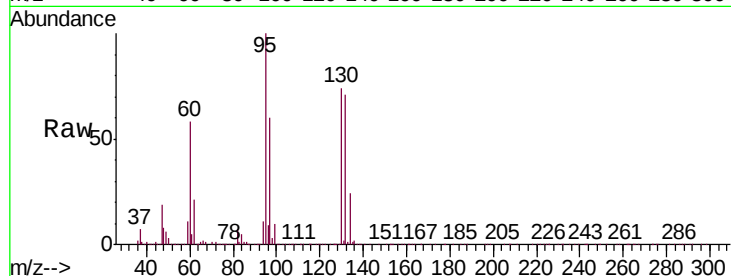




#34
 Trichloroethene
 Concen: 4.596 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

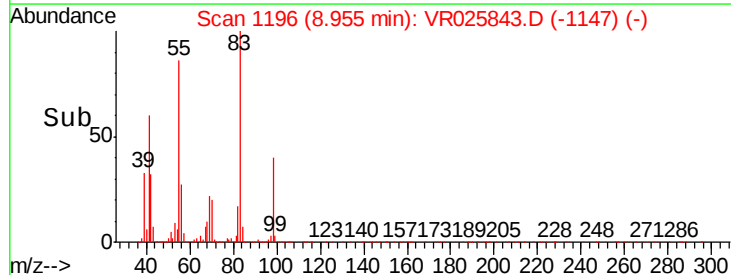
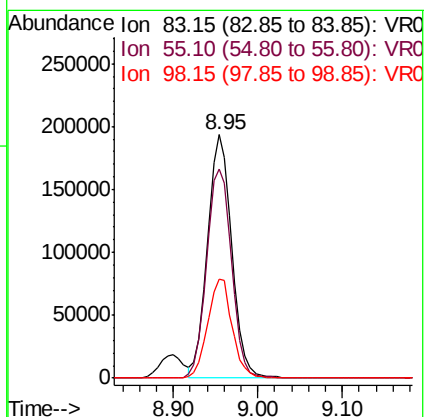
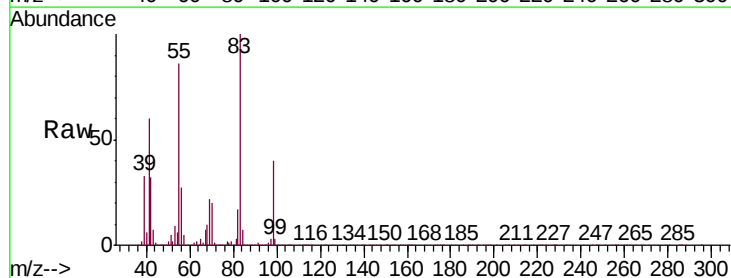
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

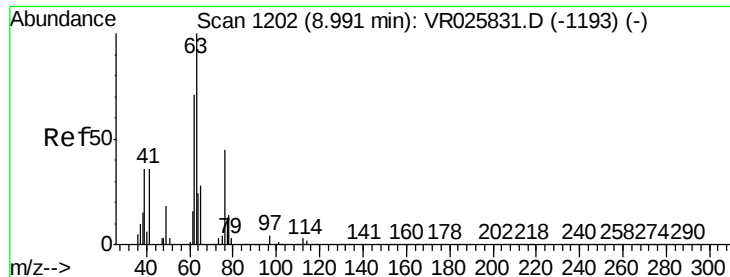
Tgt Ion:	95	Resp:	220788
Ion	Ratio	Lower	Upper
95	100		
97	60.5	43.9	81.5
132	71.1	53.3	98.9
130	73.7	53.8	99.8



#35
 Methylcyclohexane
 Concen: 4.901 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion:	83	Resp:	386087
Ion	Ratio	Lower	Upper
83	100		
55	89.1	71.8	107.6
98	41.2	34.2	51.4

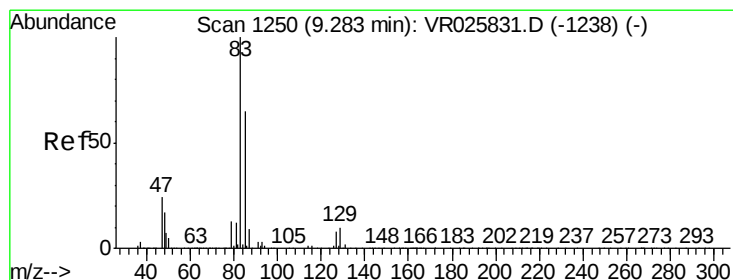
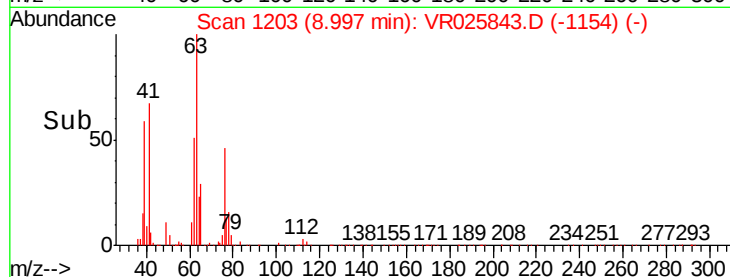
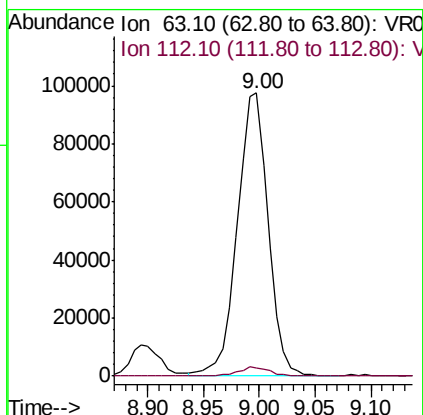
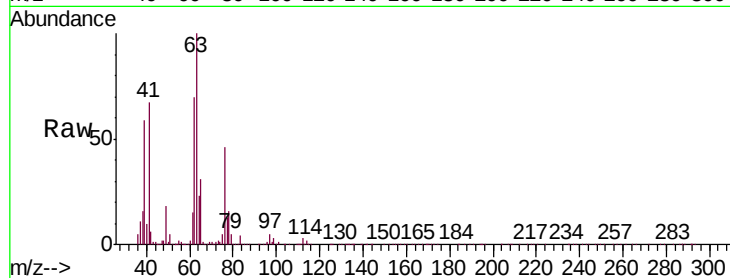




#37
 1,2-Dichloropropane
 Concen: 4.618 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

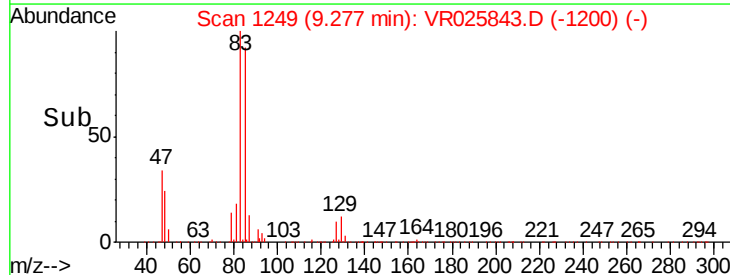
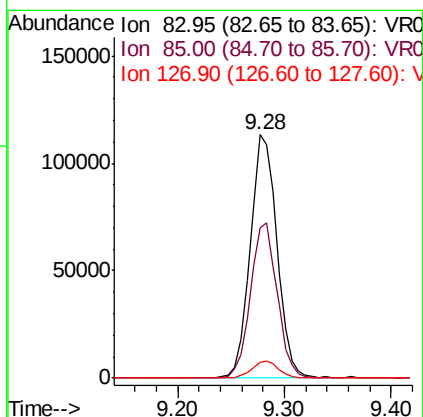
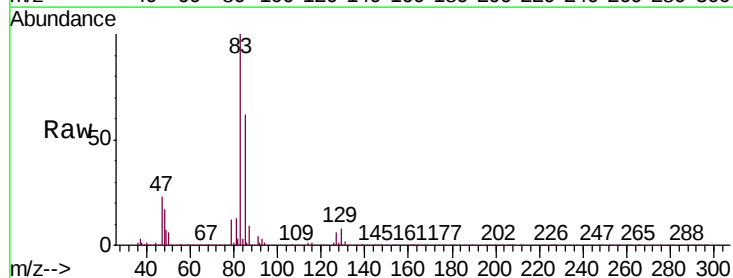
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

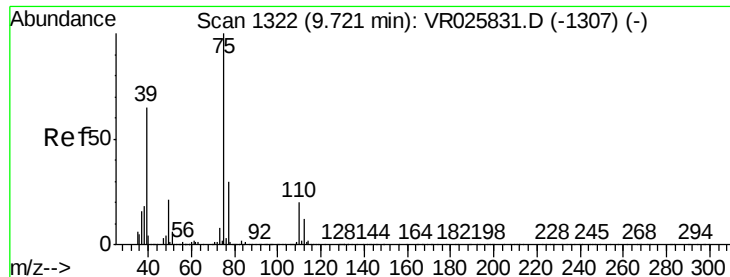
Tgt Ion: 63 Resp: 186363
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.483 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion: 83 Resp: 199747
 Ion Ratio Lower Upper
 83 100
 85 61.6 42.8 79.4
 127 6.4 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 4.514 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

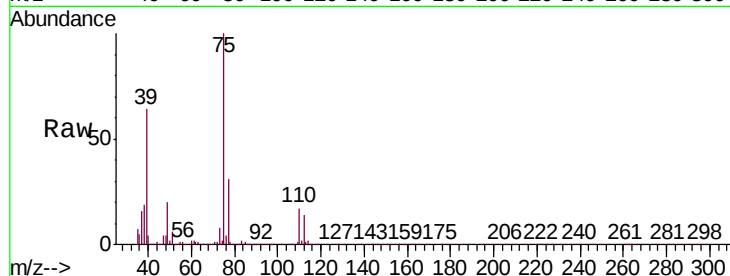
VSTD00584

Tgt Ion: 75 Resp: 223008

Ion Ratio Lower Upper

75 100

77 30.6 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

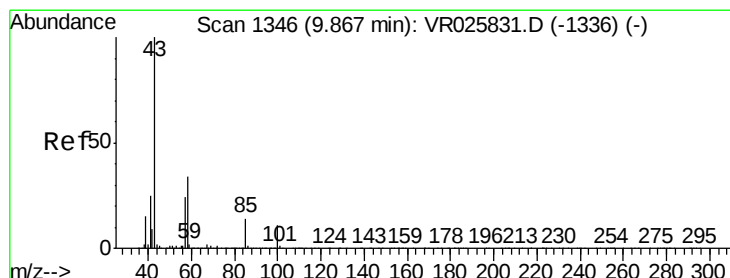
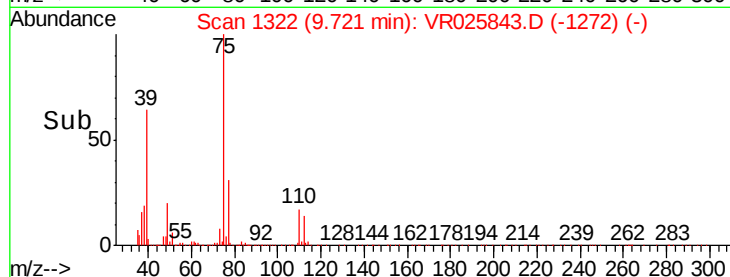
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 46.709 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

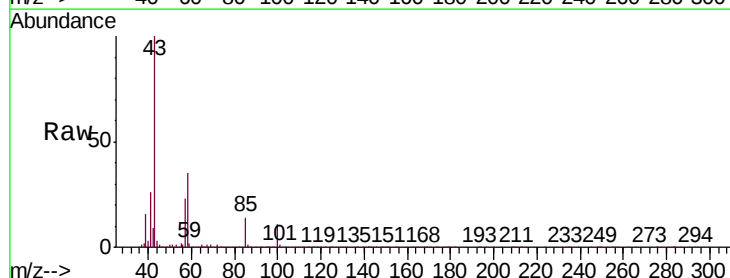
Tgt Ion: 43 Resp: 656266

Ion Ratio Lower Upper

43 100

58 34.5 28.6 43.0

100 10.6 9.0 13.4



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

500000

400000

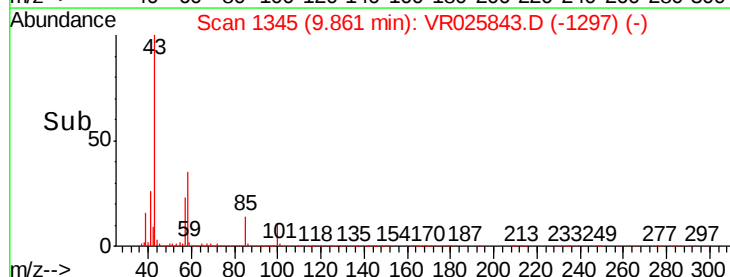
300000

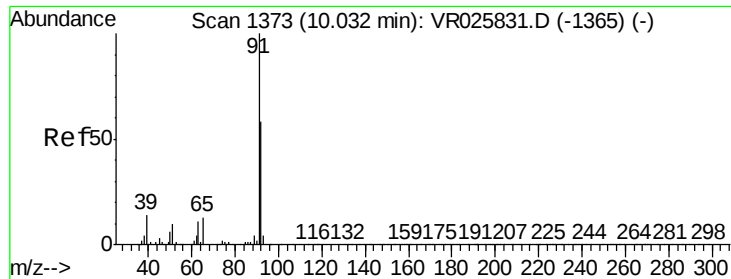
200000

100000

0

Time-->





#42

Toluene

Concen: 4.880 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

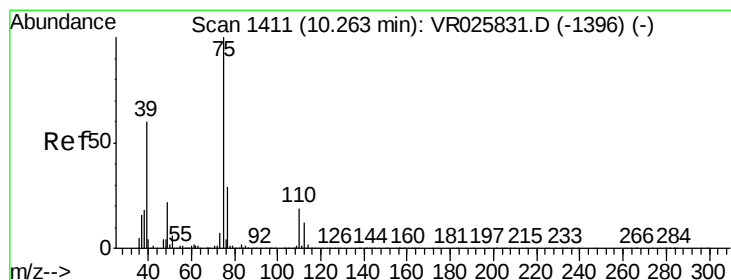
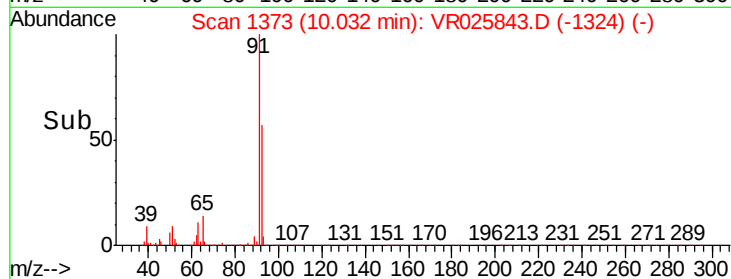
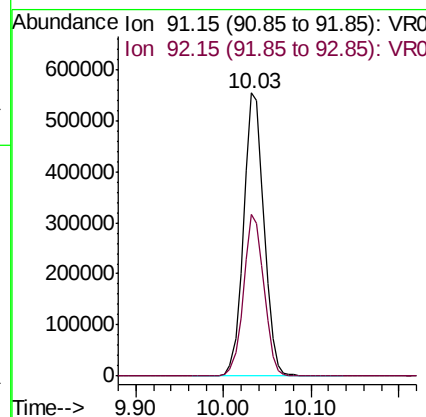
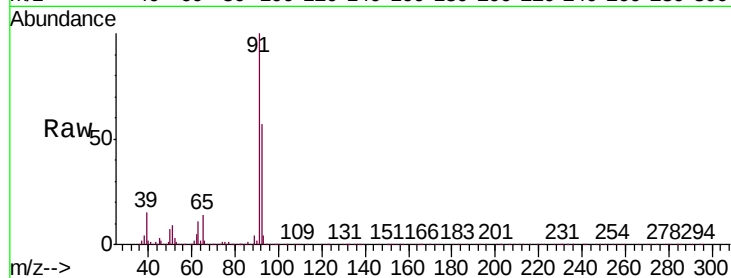
VSTD00584

Tgt Ion: 91 Resp: 900156

Ion Ratio Lower Upper

91 100

92 57.1 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.322 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025843.D

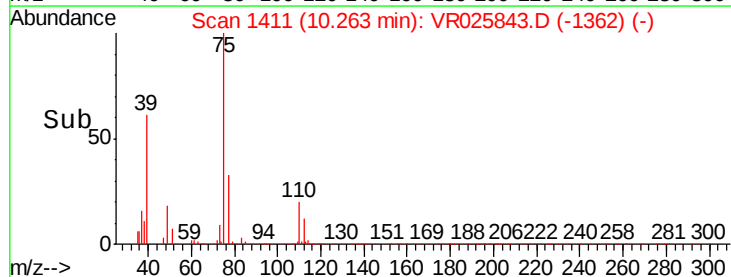
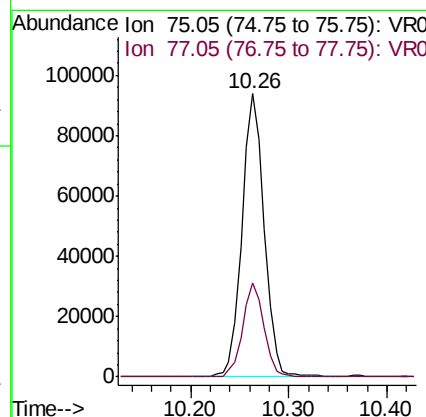
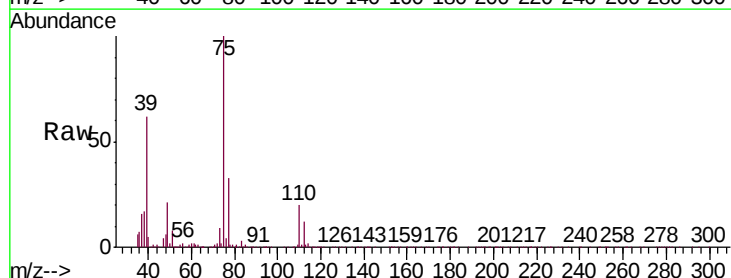
Acq: 25 Sep 2018 12:20

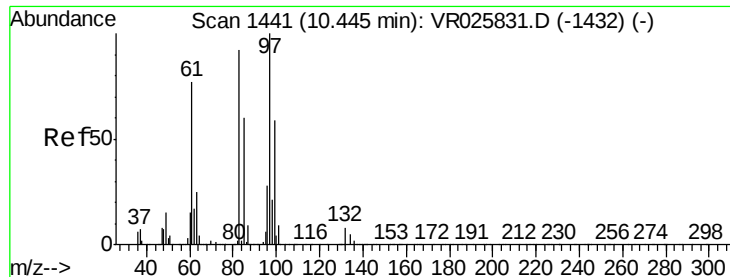
Tgt Ion: 75 Resp: 147960

Ion Ratio Lower Upper

75 100

77 33.3 23.0 42.8

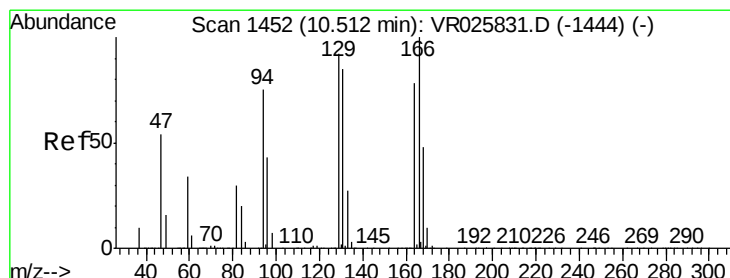
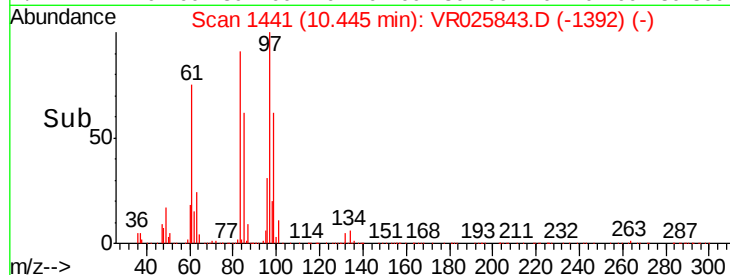
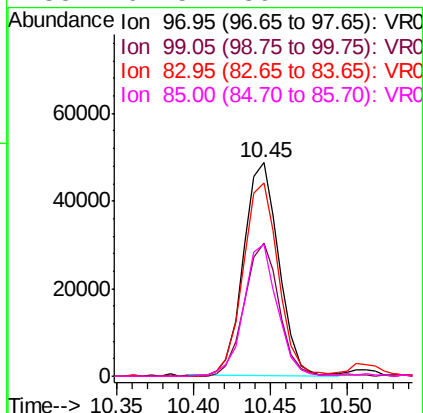
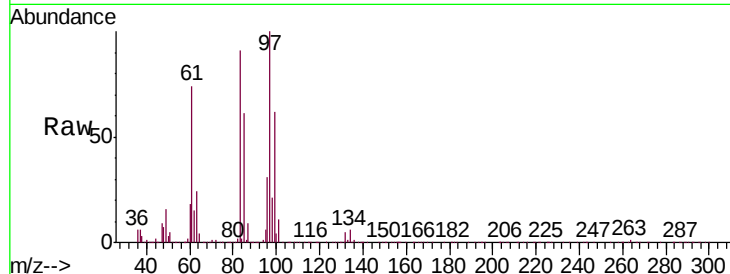




#45
 1,1,2-Trichloroethane
 Concen: 4.584 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

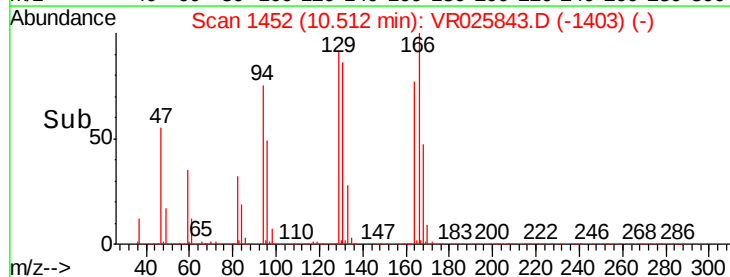
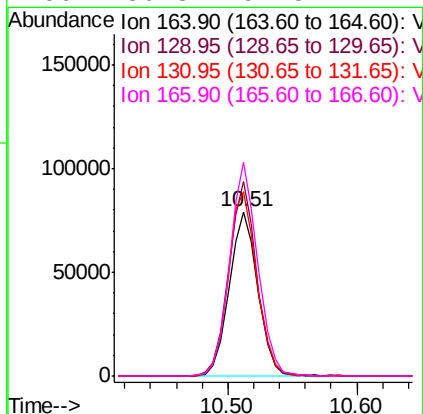
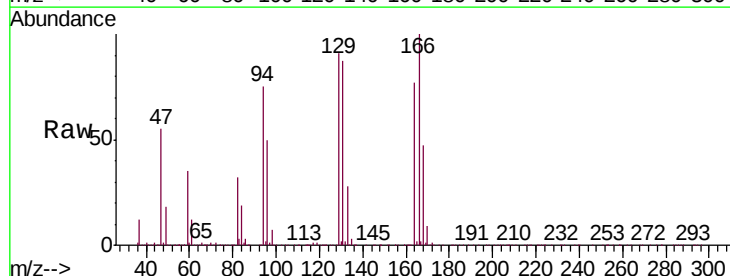
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

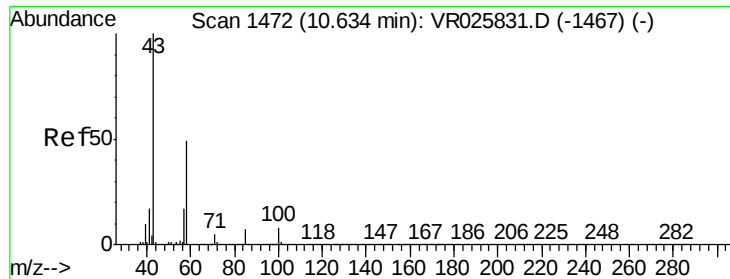
Tgt Ion:	97	Resp:	77549
Ion	Ratio	Lower	Upper
97	100		
99	62.2	39.6	73.6
83	90.6	62.2	115.6
85	61.5	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.439 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion:	164	Resp:	121962
Ion	Ratio	Lower	Upper
164	100		
129	118.9	80.8	150.2
131	112.8	74.5	138.3
166	130.3	92.5	171.7

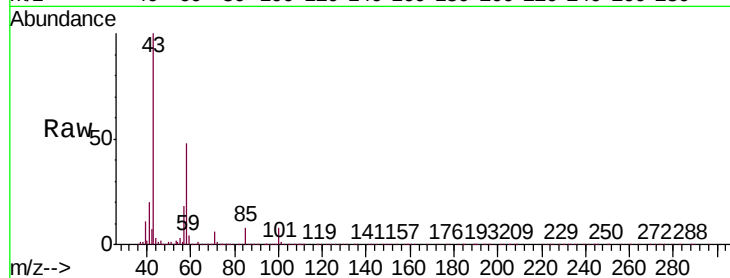




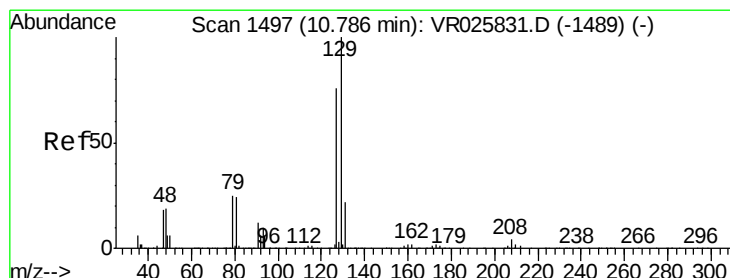
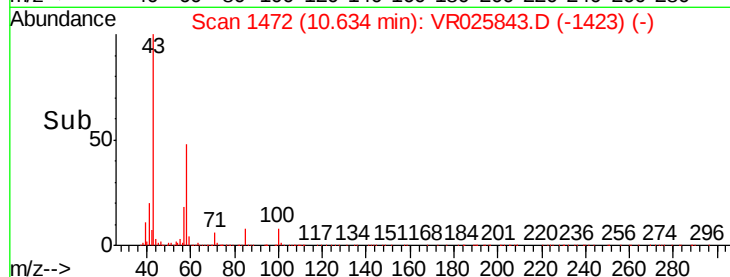
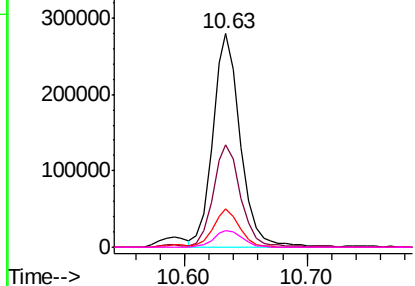
#48
2-Hexanone
Concen: 46.994 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Tgt Ion:	43	Resp:	434227
Ion	Ratio	Lower	Upper
43	100		
58	47.5	39.5	59.3
57	17.1	14.6	21.8
100	8.2	6.7	10.1

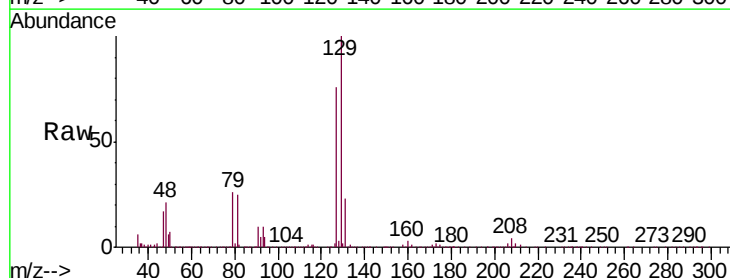


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

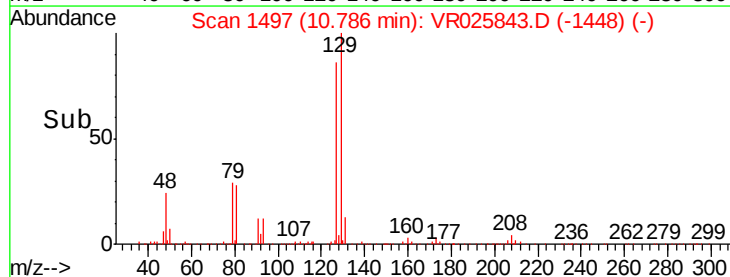
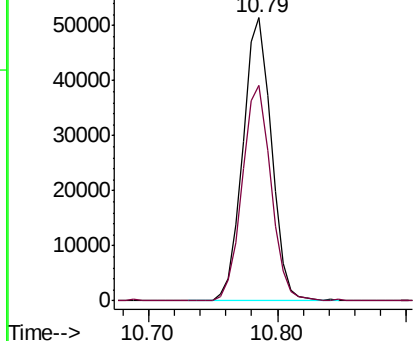


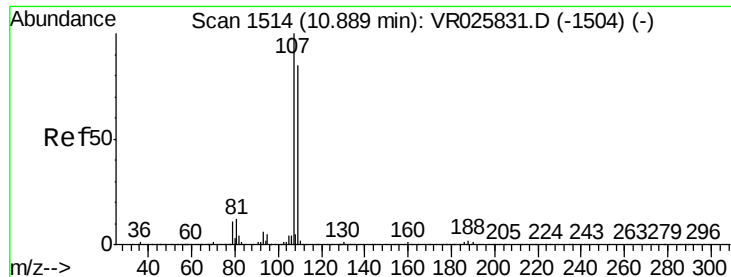
#49
Dibromochloromethane
Concen: 4.458 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion:	129	Resp:	78586
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.1	100.5



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

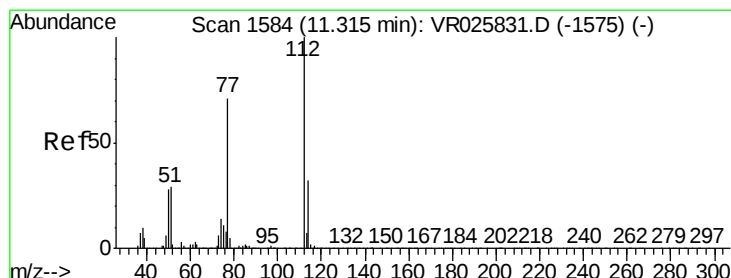
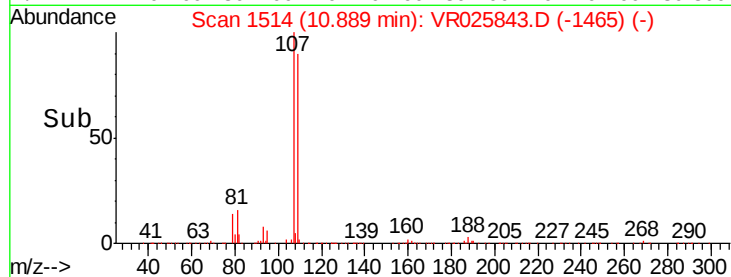
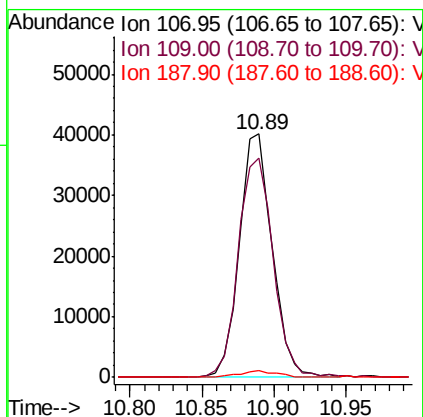
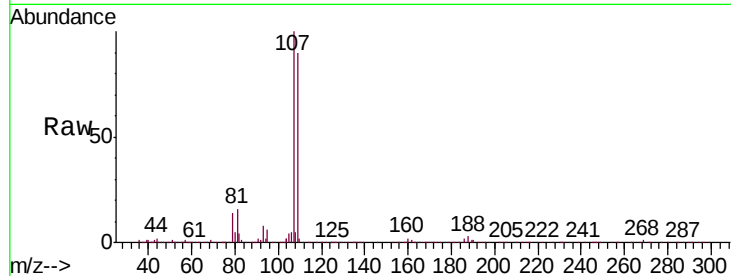




#50
1,2-Dibromoethane
Concen: 4.253 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

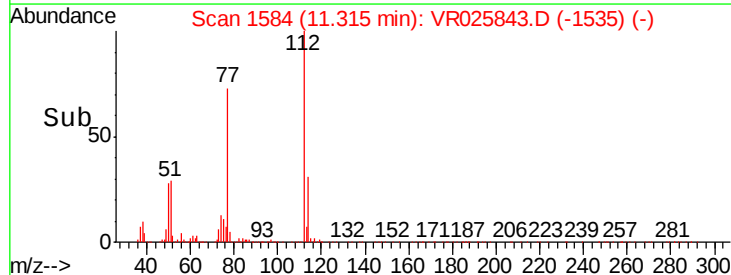
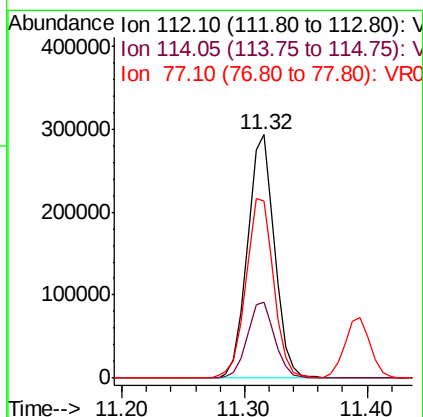
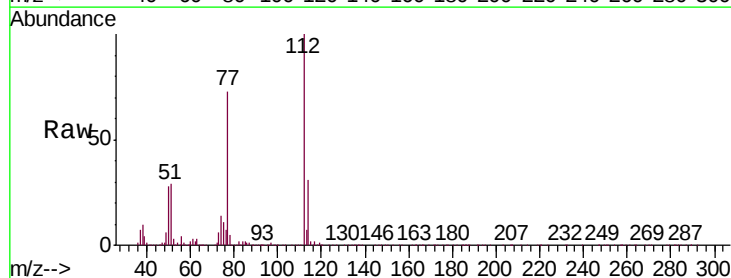
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

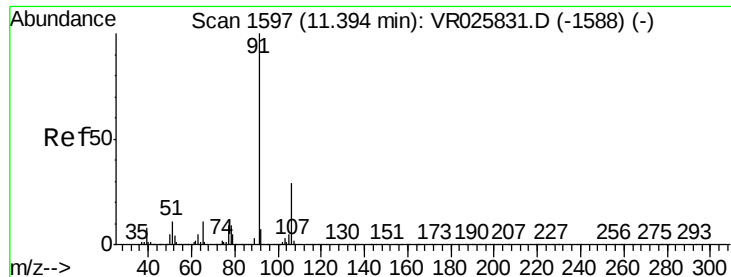
Tgt Ion:107 Resp: 63323
Ion Ratio Lower Upper
107 100
109 90.2 63.5 117.9
188 3.0 1.7 2.5#



#51
Chlorobenzene
Concen: 4.654 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion:112 Resp: 450371
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 72.8 58.5 87.7





#52

Ethylbenzene

Concen: 4.970 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

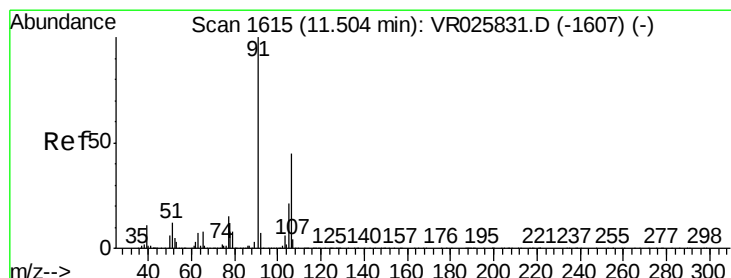
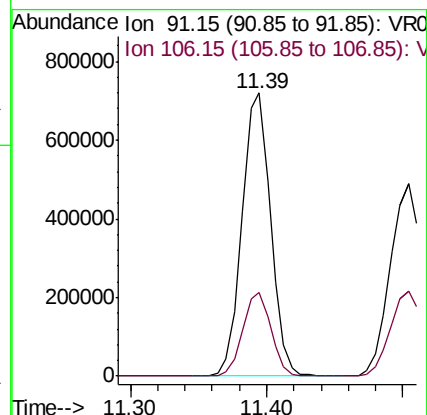
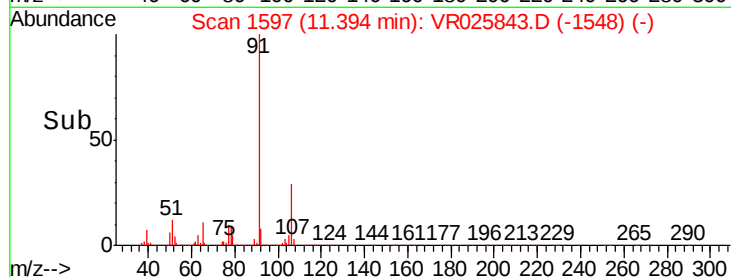
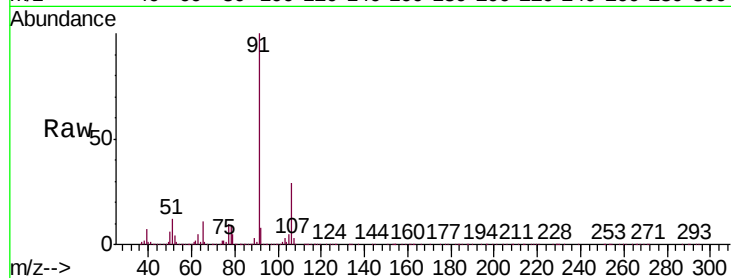
VSTD00584

Tgt Ion: 91 Resp: 1054817

Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



#53

m,p-Xylene

Concen: 4.842 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025843.D

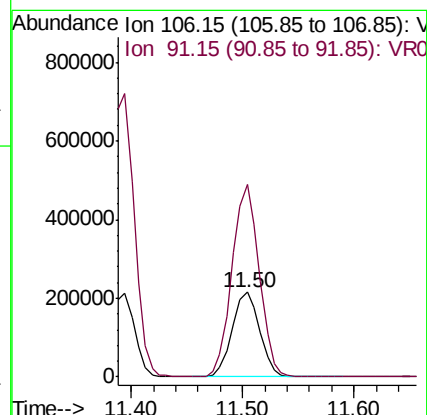
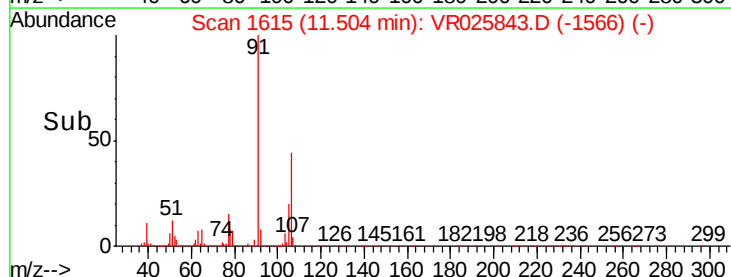
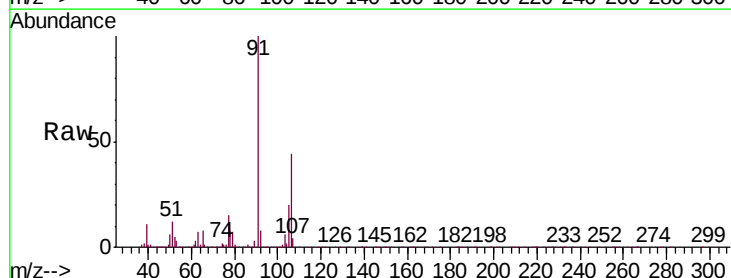
Acq: 25 Sep 2018 12:20

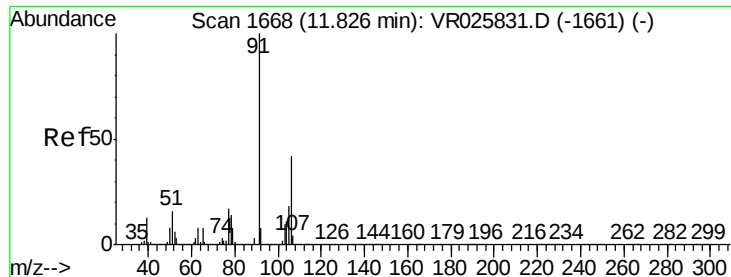
Tgt Ion: 106 Resp: 370570

Ion Ratio Lower Upper

106 100

91 227.5 159.7 296.5

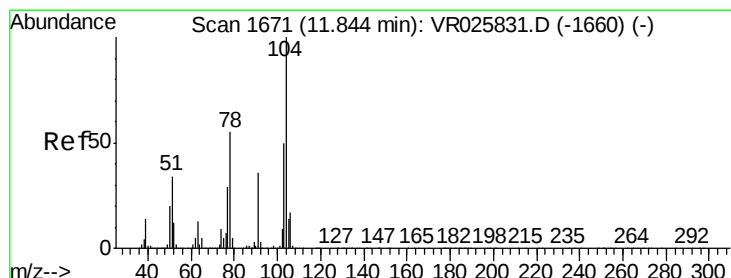
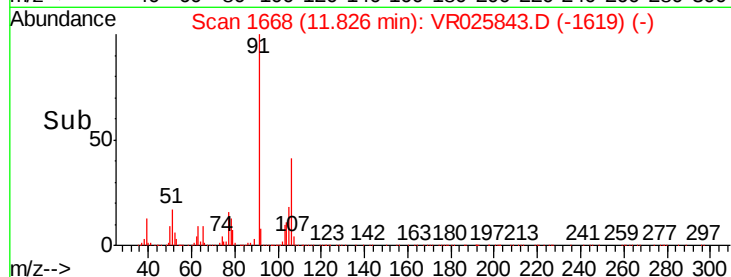
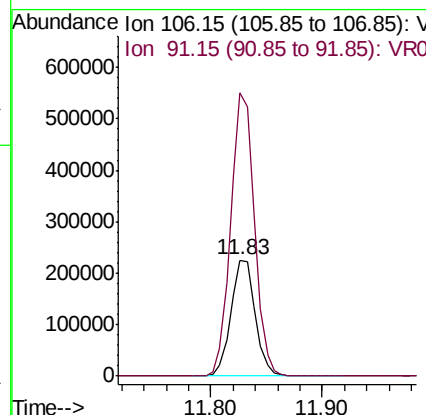
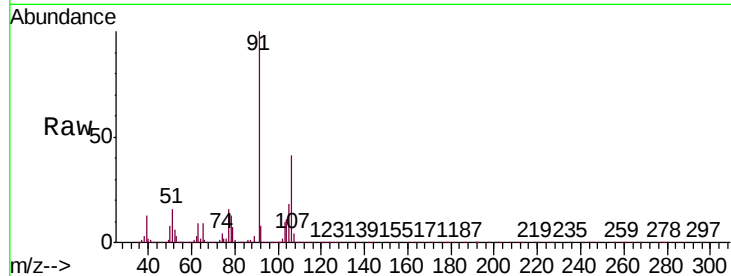




#54
o-Xylene
Concen: 4.825 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

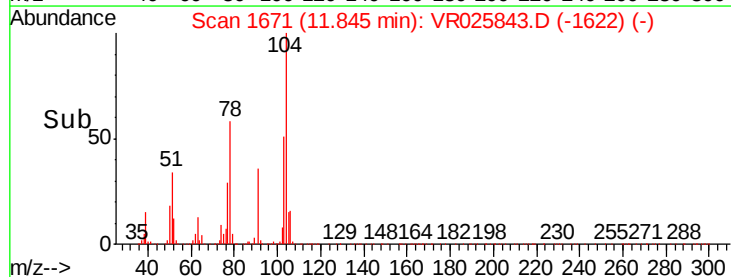
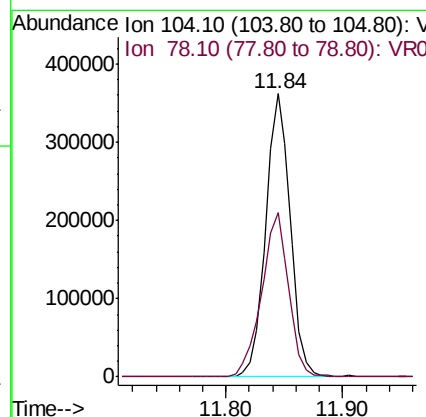
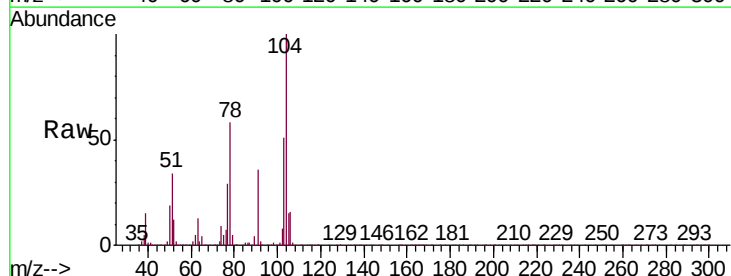
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

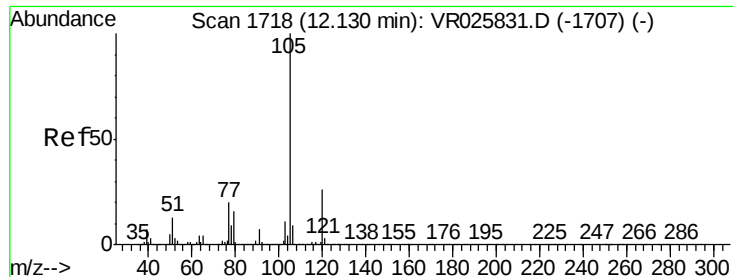
Tgt Ion:106 Resp: 338143
Ion Ratio Lower Upper
106 100
91 243.9 164.5 305.5



#55
Styrene
Concen: 4.891 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025843.D
Acq: 25 Sep 2018 12:20

Tgt Ion:104 Resp: 531033
Ion Ratio Lower Upper
104 100
78 58.2 39.3 72.9





#56

Isopropylbenzene

Concen: 4.966 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

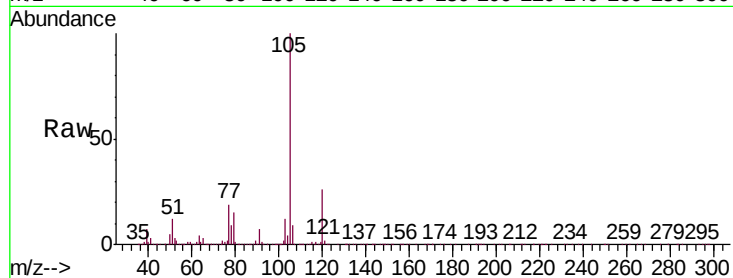
Tgt Ion:105 Resp: 974030

Ion Ratio Lower Upper

105 100

120 24.9 19.8 29.8

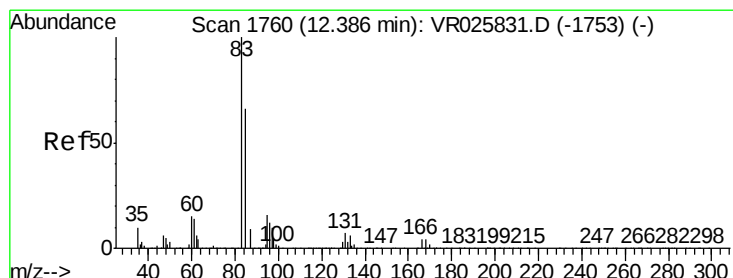
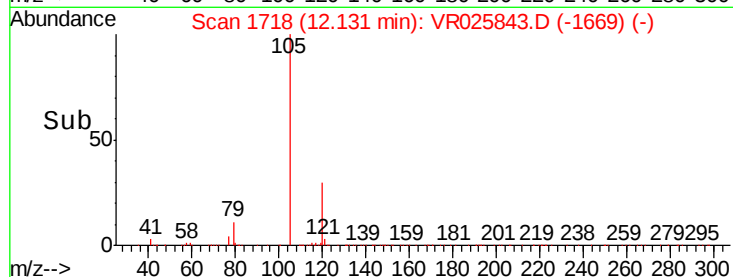
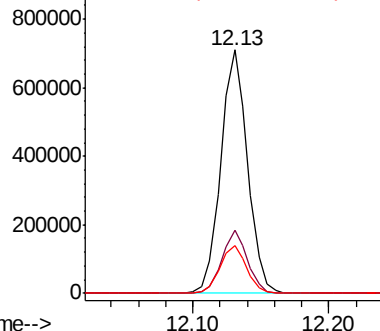
77 19.7 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.698 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

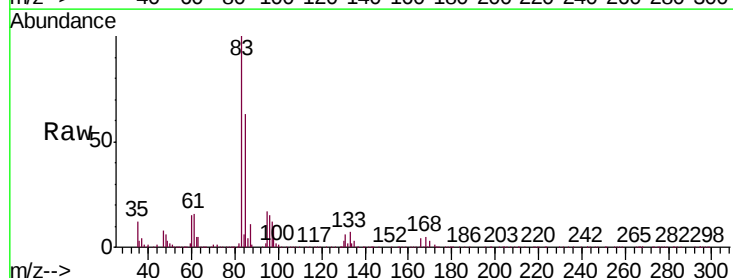
Tgt Ion: 83 Resp: 78005

Ion Ratio Lower Upper

83 100

85 63.0 45.8 85.0

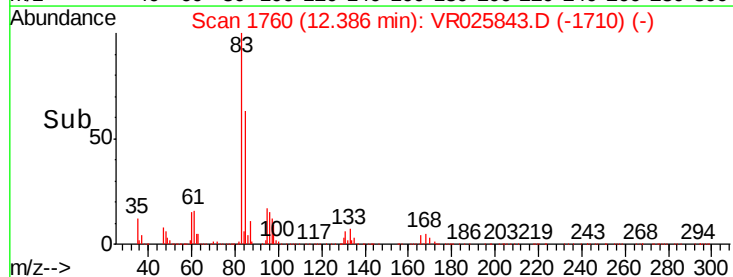
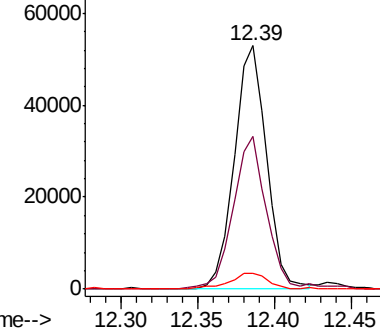
131 6.3 6.6 9.8#

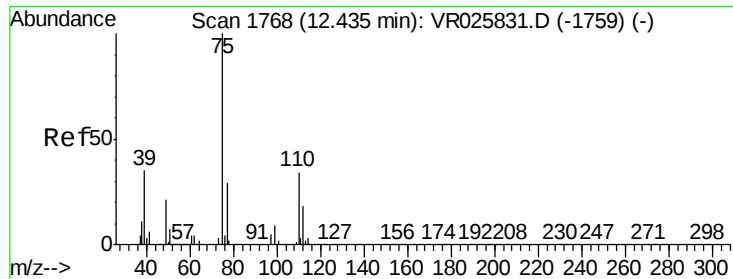


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.480 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

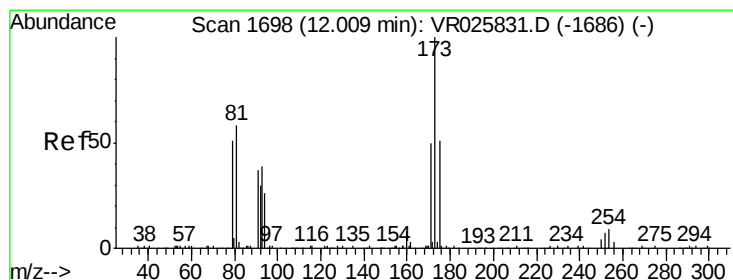
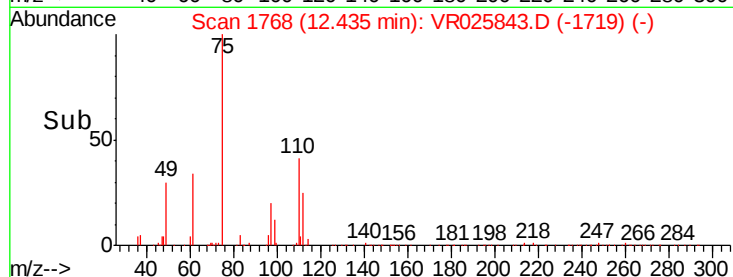
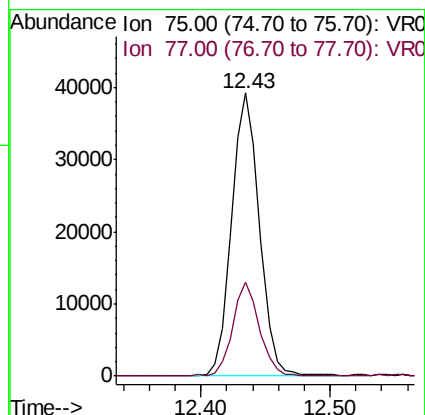
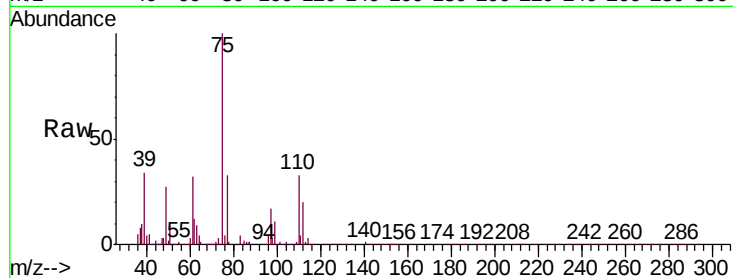
VSTD00584

Tgt Ion: 75 Resp: 59053

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#61

Bromoform

Concen: 4.231 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

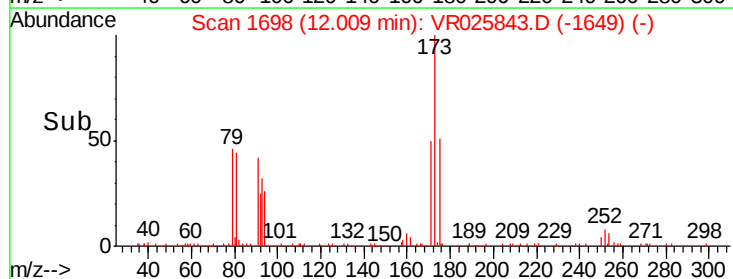
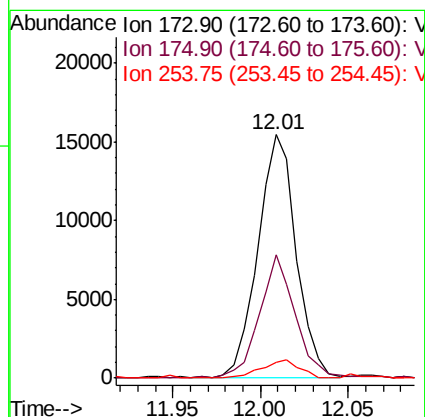
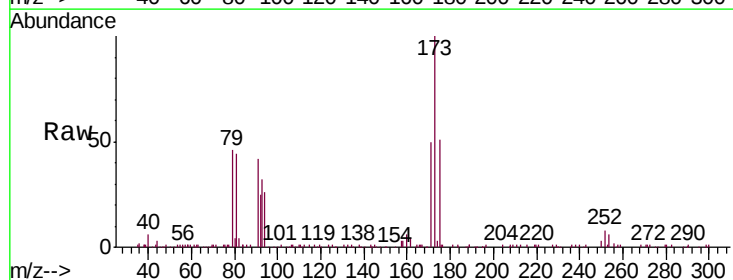
Tgt Ion: 173 Resp: 23654

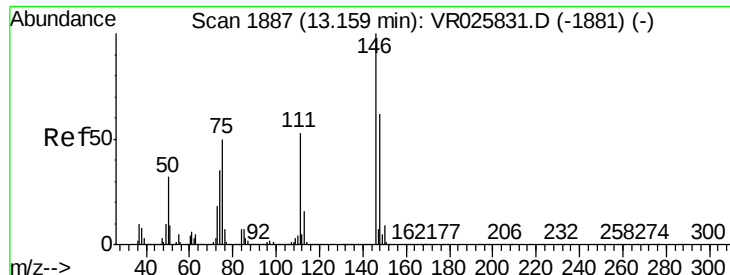
Ion Ratio Lower Upper

173 100

175 47.4 36.9 55.3

254 7.4 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.726 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

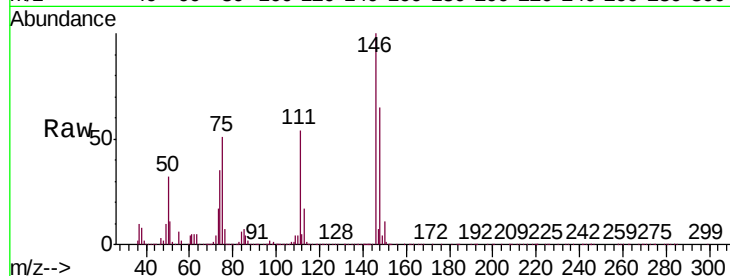
Tgt Ion:146 Resp: 261993

Ion Ratio Lower Upper

146 100

111 53.6 36.6 68.0

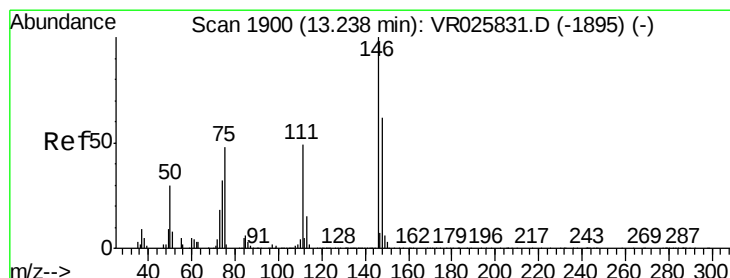
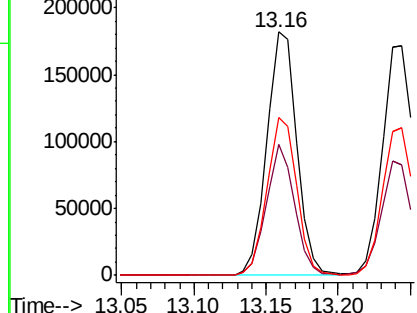
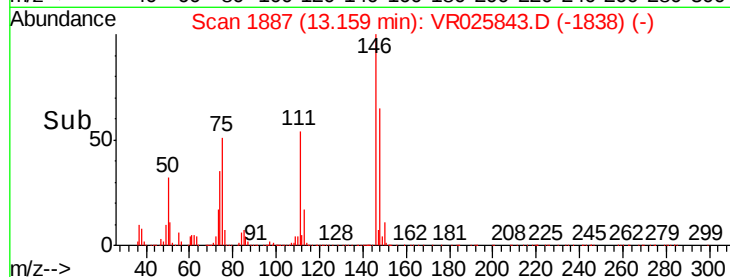
148 64.6 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.749 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

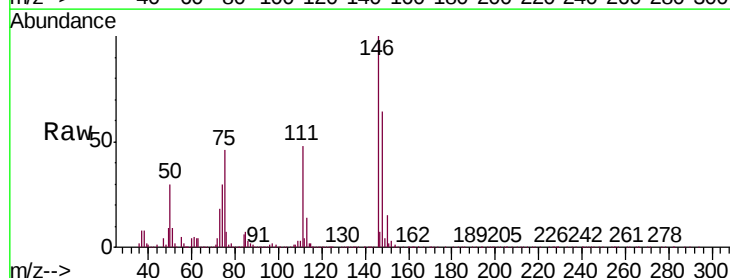
Tgt Ion:146 Resp: 254111

Ion Ratio Lower Upper

146 100

111 47.8 32.9 61.1

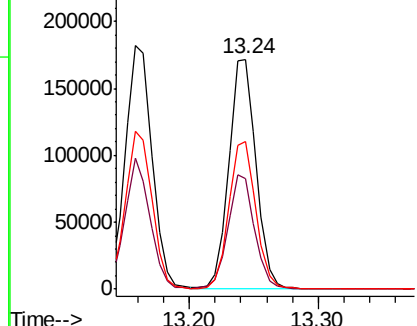
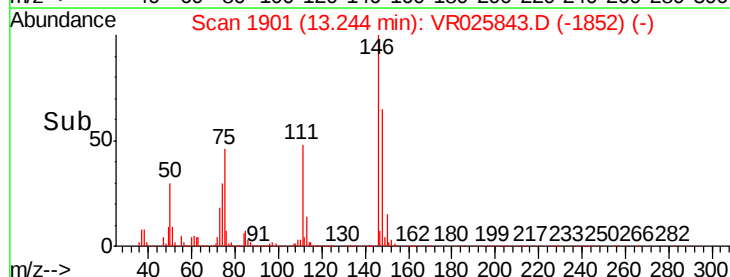
148 64.5 45.5 84.5

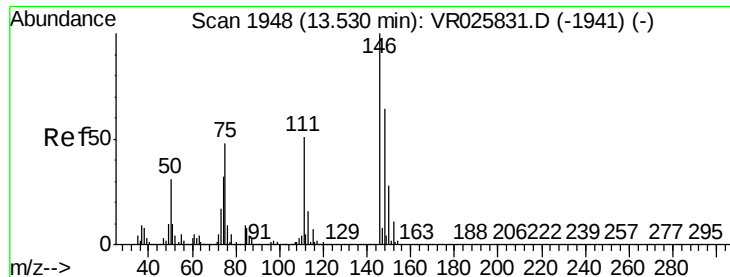


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.782 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

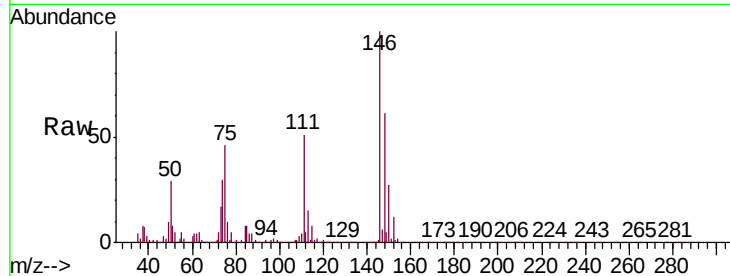
Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

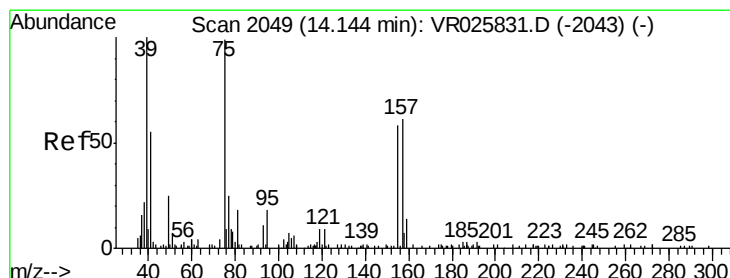
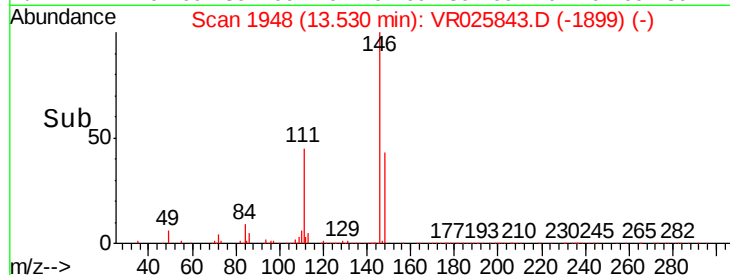
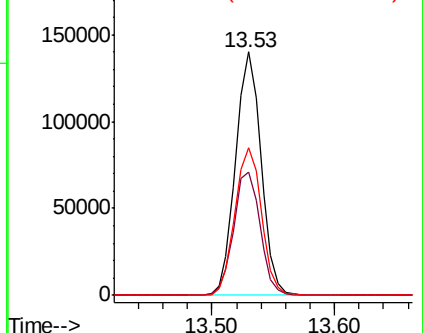
Tgt Ion:	146	Resp:	201822
Ion	Ratio	Lower	Upper
146	100		
111	50.8	39.4	59.0
148	60.8	53.5	80.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 3.876 ug/L

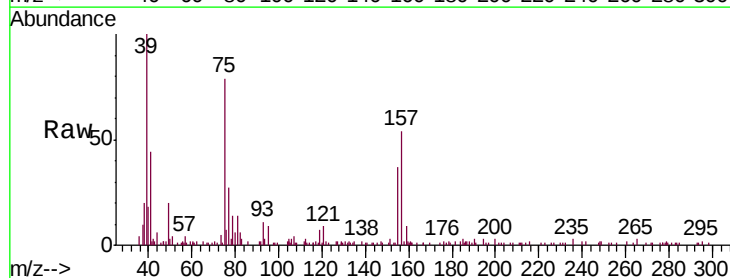
RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

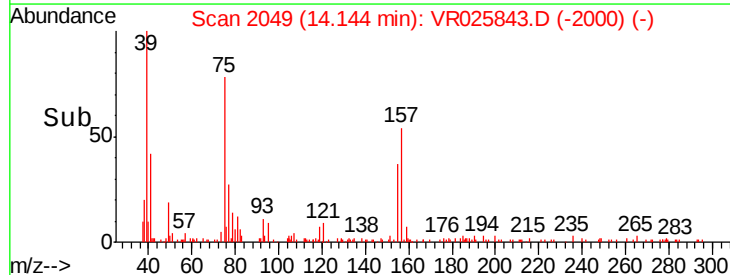
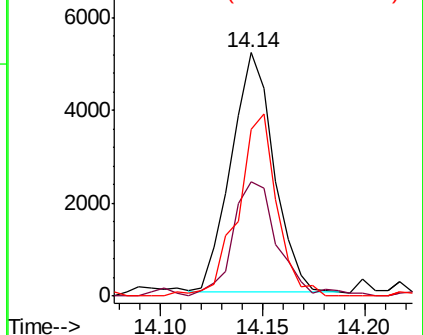
Tgt Ion:	75	Resp:	7479
Ion	Ratio	Lower	Upper
75	100		
155	46.7	37.8	56.6
157	68.6	49.7	74.5

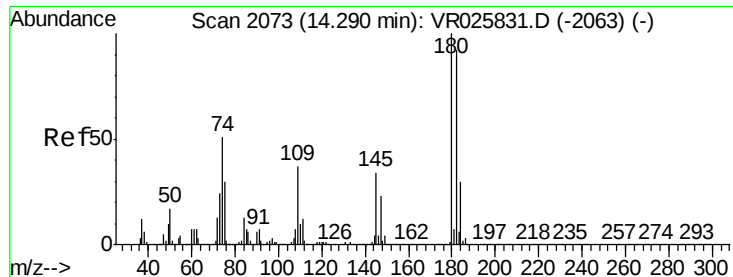


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

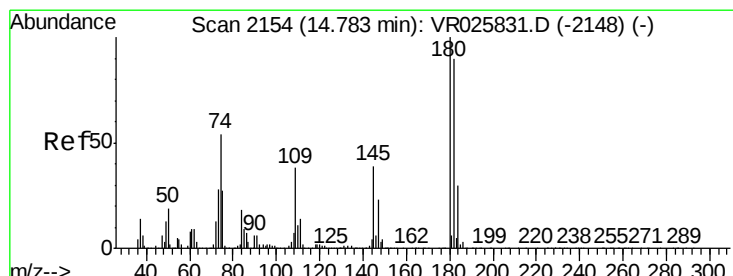
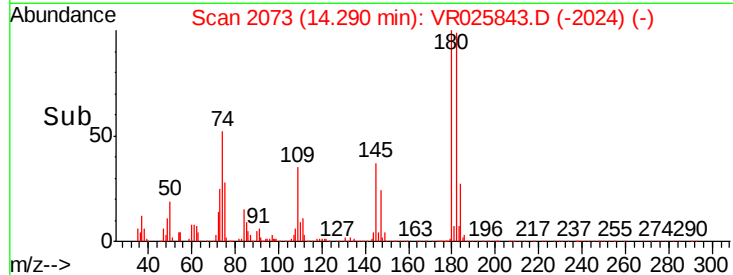
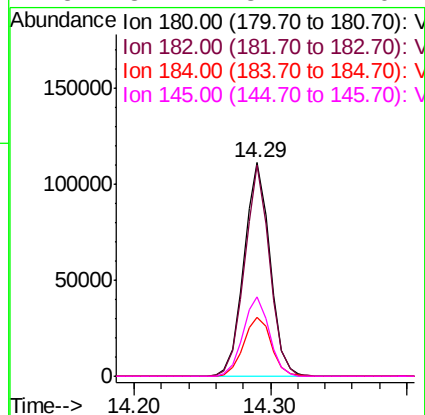
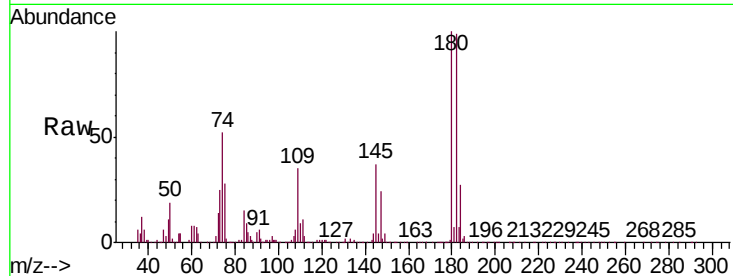




#67
 1,3,5-Trichlorobenzene
 Concen: 4.721 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

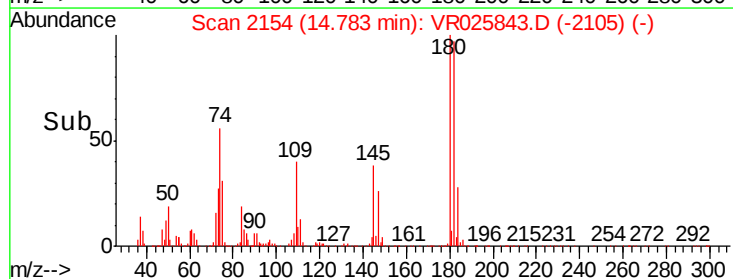
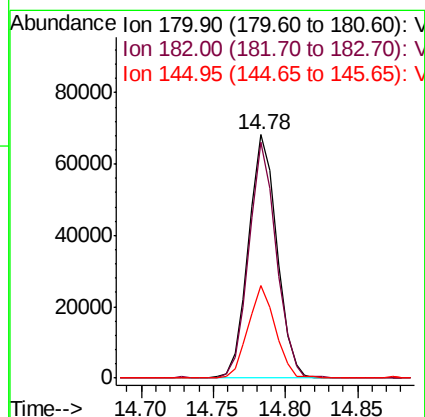
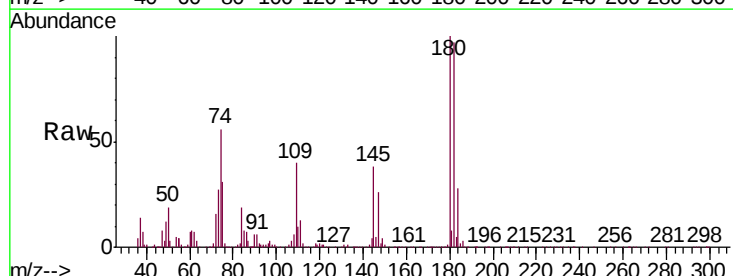
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

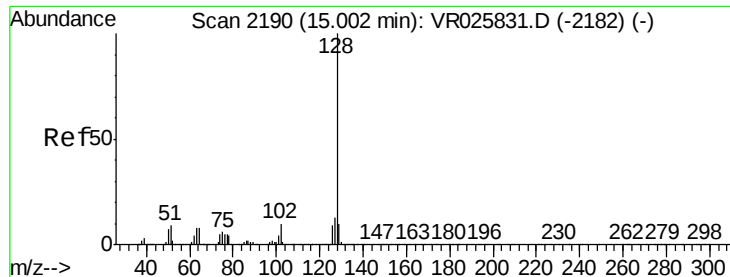
Tgt Ion:	180	Resp:	147624
Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.2	115.8
184	29.3	24.5	36.7
145	37.4	31.1	46.7



#68
 1,2,4-trichlorobenzene
 Concen: 4.670 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025843.D
 Acq: 25 Sep 2018 12:20

Tgt Ion:	180	Resp:	92912
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.2	112.8
145	36.1	30.5	45.7





#69

Naphthalene

Concen: 4.631 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

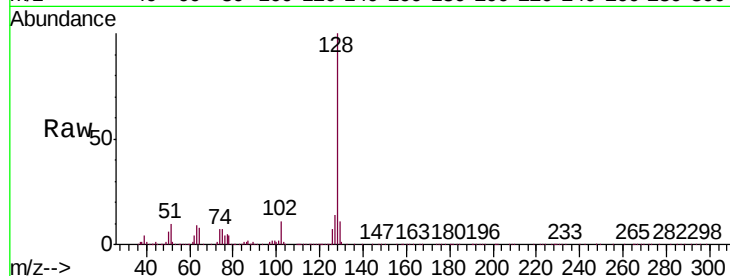
Tgt Ion:128 Resp: 134114

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

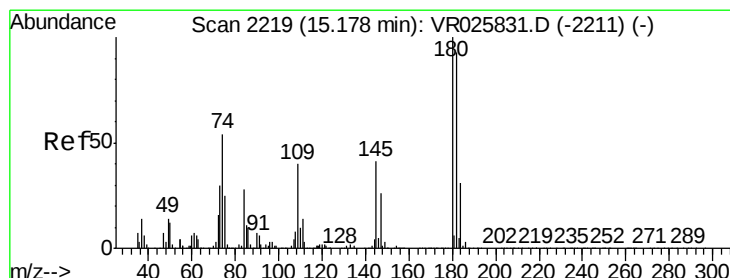
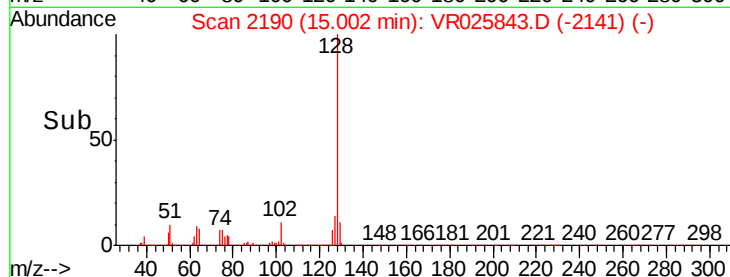
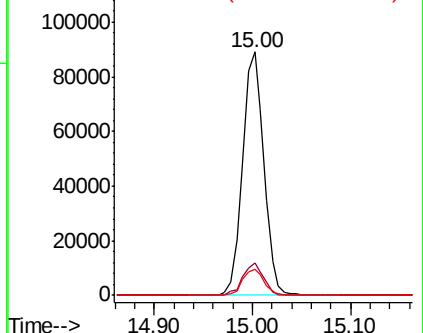
129 10.7 9.4 14.2



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: 4.538 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025843.D

Acq: 25 Sep 2018 12:20

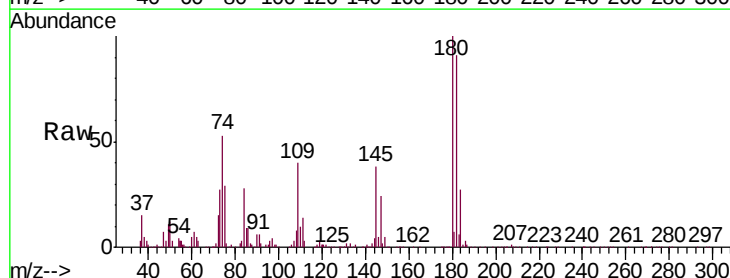
Tgt Ion:180 Resp: 64150

Ion Ratio Lower Upper

180 100

182 93.8 74.7 112.1

145 39.7 31.3 46.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

