

Data File : VR025948.D
Acq On : 4 Oct 2018 20:20
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

Quant Time: Oct 05 04:44:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 04:42:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	460299	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	401658	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	154805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	143471	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	2.63	69	137009	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	3.63	63	366484	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	6.59	46	222544	54.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.98%
24) Chloroform-d	7.20	84	286718	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	7.90	65	132164	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.85	84	541694	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	8.90	67	156108	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	9.97	98	507828	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	10.24	79	39126	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	168990	54.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.38%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	74190	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	110536	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	114833	4.104 ug/L	100
3) Chloromethane	2.01	50	192430	4.837 ug/L	95
5) Vinyl chloride	2.17	62	187253	4.729 ug/L	99
6) Bromomethane	2.52	94	125950	5.094 ug/L	99
8) Chloroethane	2.66	64	115555	5.129 ug/L	98
9) Trichlorofluoromethane	2.94	101	72440	1.318 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	161716	4.812 ug/L	95
12) 1,1-Dichloroethene	3.65	96	168387	4.846 ug/L	86
13) Acetone	3.70	43	147560	50.311 ug/L	100
14) Carbon disulfide	3.95	76	380961	4.529 ug/L	98
15) Methyl Acetate	4.20	43	40513	4.982 ug/L	100
16) Methylene chloride	4.40	84	153631	4.808 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	183661	4.773 ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	131500	4.576 ug/L	90
19) 1,1-Dichloroethane	5.69	63	262769	4.618 ug/L	98
21) 2-Butanone	6.69	43	198993	49.327 ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	130302	4.506 ug/L #	91

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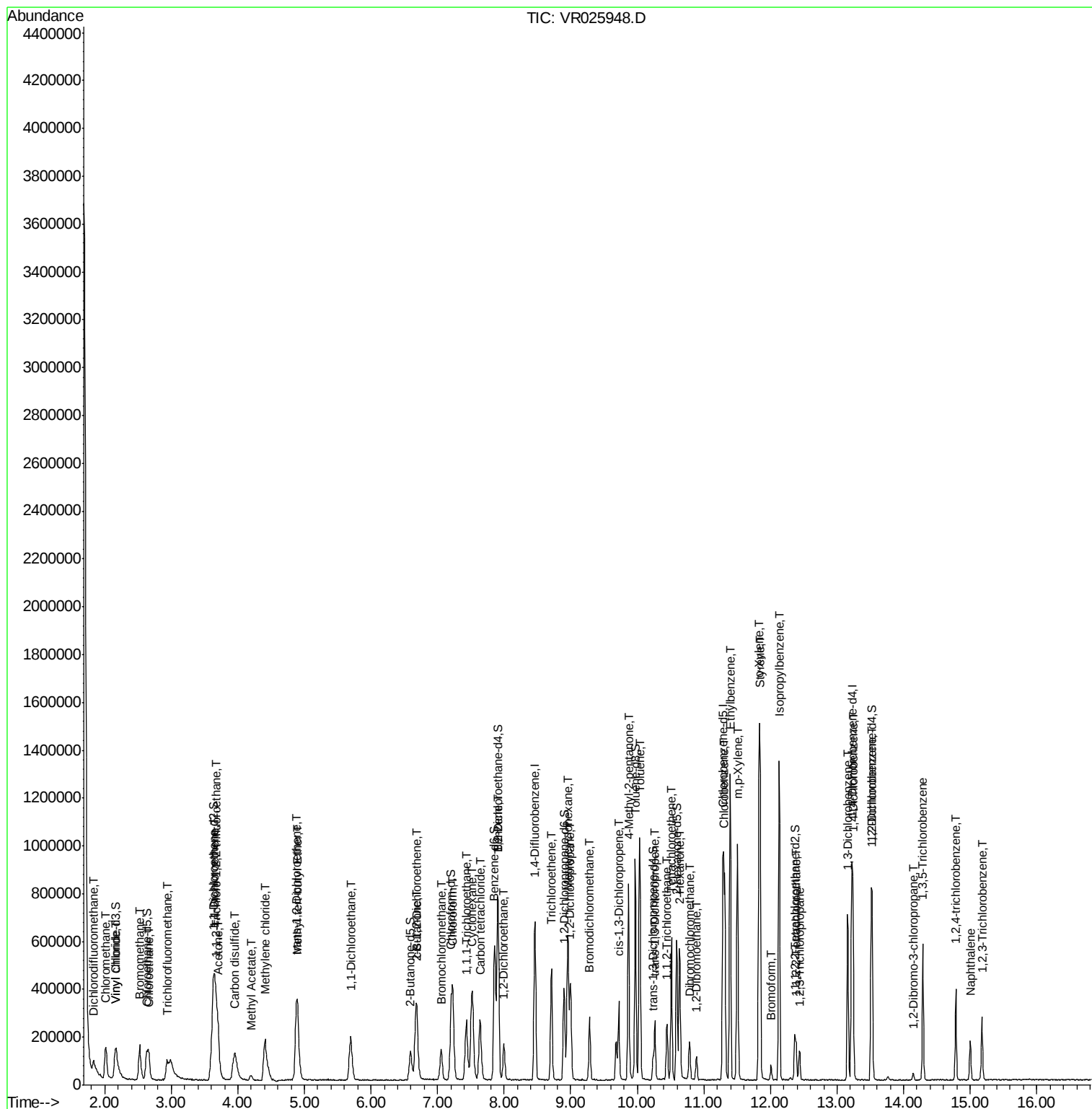
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	38732	4.938	ug/L	88
25) Chloroform	7.23	83	254683	4.597	ug/L	90
27) 1,2-Dichloroethane	7.99	62	135727	4.909	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	209375	4.636	ug/L	97
30) Cyclohexane	7.52	56	219840	3.895	ug/L	96
31) Carbon tetrachloride	7.63	117	183235	4.685	ug/L	98
33) Benzene	7.91	78	598616	4.443	ug/L	100
34) Trichloroethene	8.71	95	150633	4.243	ug/L	97
35) Methylcyclohexane	8.96	83	217332	4.072	ug/L	98
37) 1,2-Dichloropropane	9.00	63	128813	4.457	ug/L #	97
38) Bromodichloromethane	9.28	83	149185	4.784	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	157183	4.851	ug/L	93
40) 4-Methyl-2-pentanone	9.87	43	510716	50.255	ug/L	97
42) Toluene	10.04	91	644461	4.604	ug/L	93
44) trans-1,3-Dichloropropene	10.27	75	115403	5.454	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	59335	4.539	ug/L	91
47) Tetrachloroethene	10.51	164	99386	4.544	ug/L	88
48) 2-Hexanone	10.63	43	335890	50.482	ug/L	98
49) Dibromochloromethane	10.79	129	65493	4.937	ug/L	97
50) 1,2-Dibromoethane	10.89	107	50521	4.898	ug/L #	94
51) Chlorobenzene	11.32	112	340457	4.585	ug/L	99
52) Ethylbenzene	11.39	91	747659	4.679	ug/L	97
53) m,p-Xylene	11.50	106	263760	4.637	ug/L	96
54) o-Xylene	11.83	106	248319	4.690	ug/L	95
55) Styrene	11.84	104	397536	4.824	ug/L	93
56) Isopropylbenzene	12.13	105	700377	4.796	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	60733	4.822	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	44769	4.776	ug/L	97
61) Bromoform	12.01	173	22732	4.857	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	202724	4.481	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	210848	4.556	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	169159	4.653	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	6188	4.048	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	125856	4.670	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	78293	4.557	ug/L	94
69) Naphthalene	15.00	128	99358	4.532	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	57120	4.792	ug/L	99

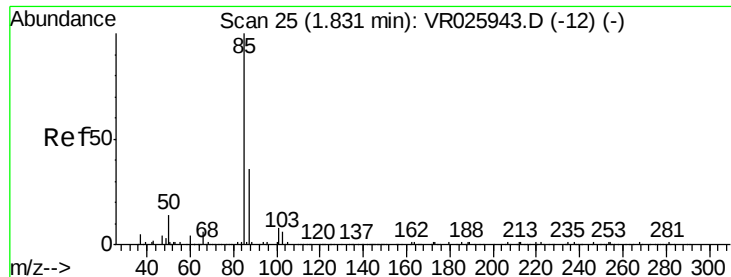
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.104 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

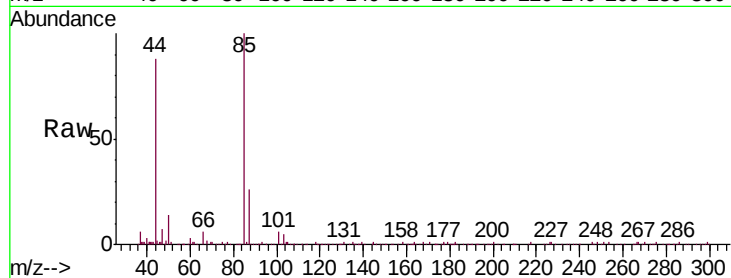
VSTD00599

Tgt Ion: 85 Resp: 114833

Ion Ratio Lower Upper

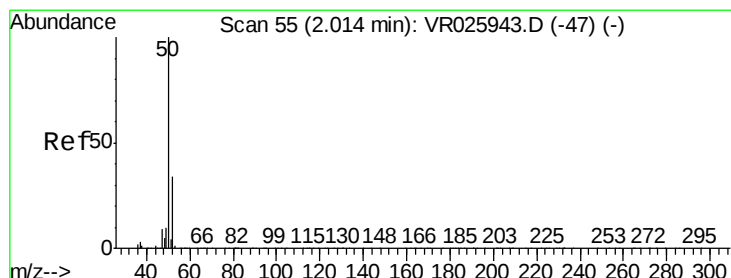
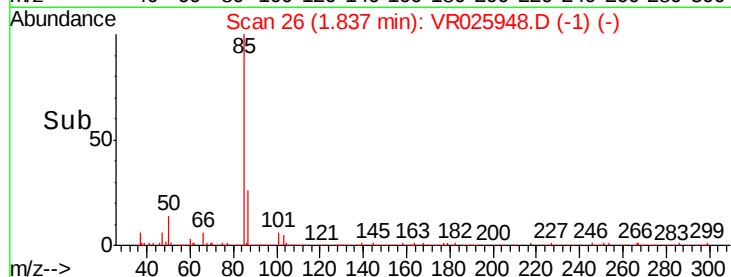
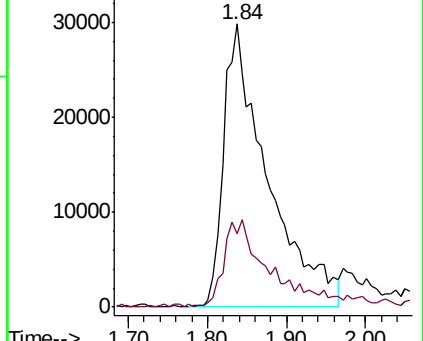
85 100

87 31.4 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.837 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025948.D

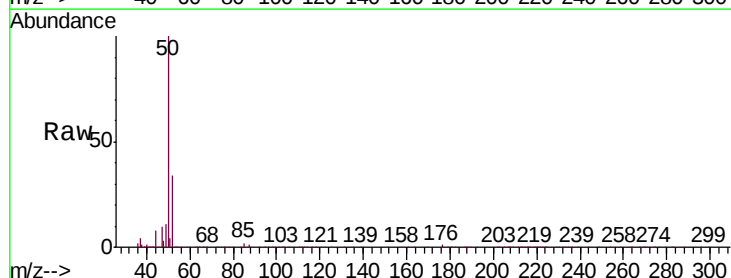
Acq: 4 Oct 2018 20:20

Tgt Ion: 50 Resp: 192430

Ion Ratio Lower Upper

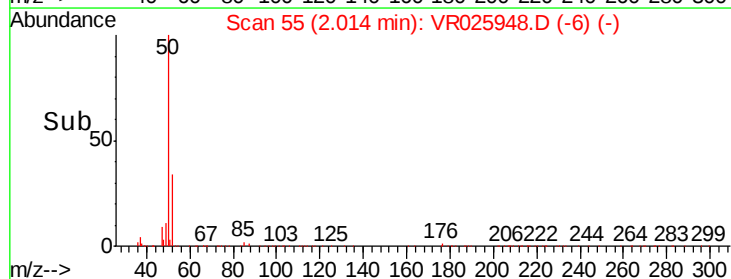
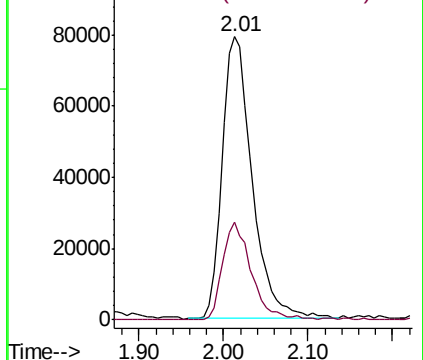
50 100

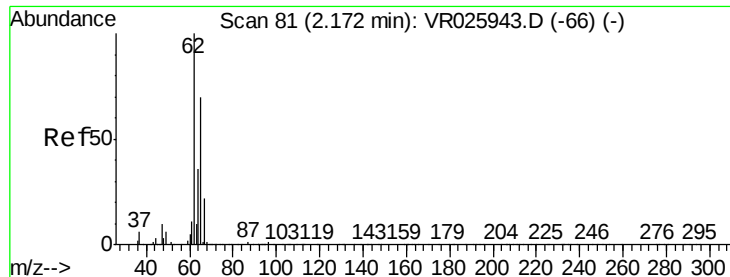
52 34.4 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.729 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

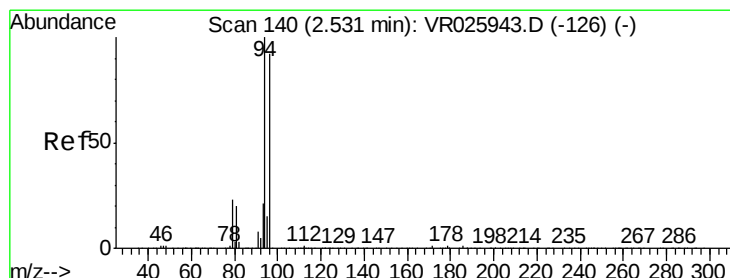
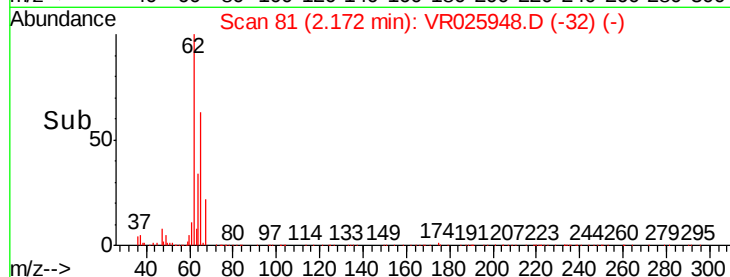
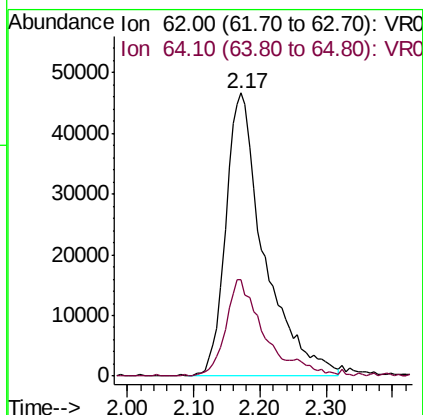
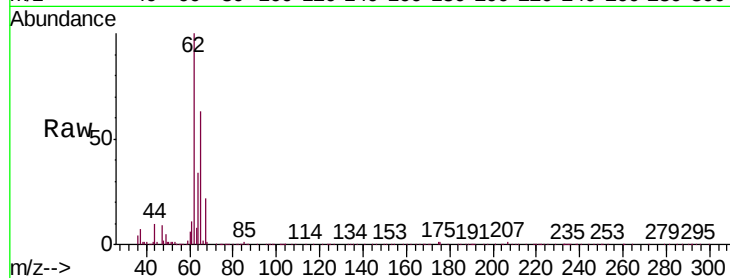
VSTD00599

Tgt Ion: 62 Resp: 187253

Ion Ratio Lower Upper

62 100

64 34.1 23.5 43.7



#6

Bromomethane

Concen: 5.094 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025948.D

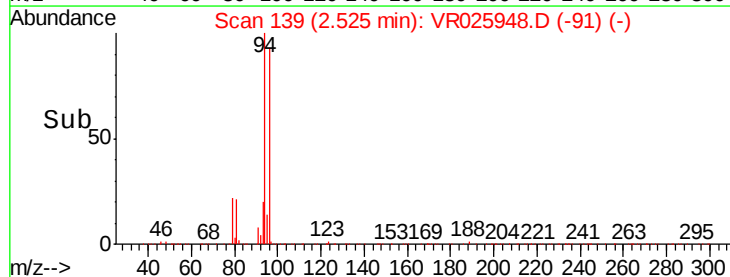
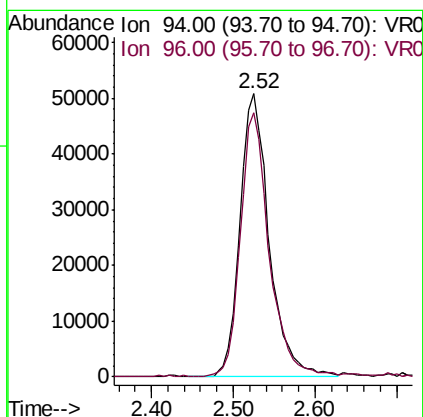
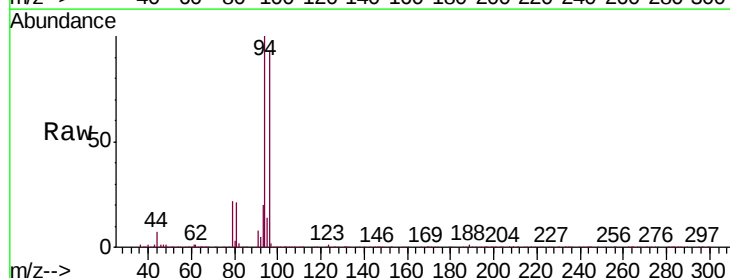
Acq: 4 Oct 2018 20:20

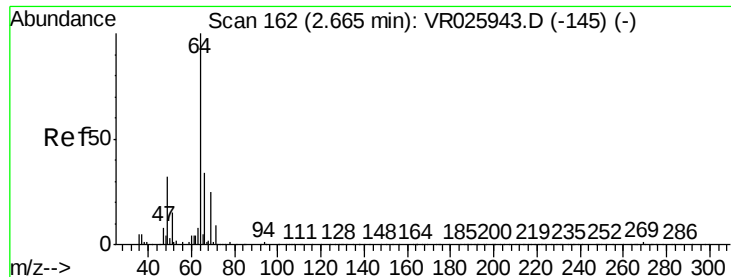
Tgt Ion: 94 Resp: 125950

Ion Ratio Lower Upper

94 100

96 93.4 66.1 122.8

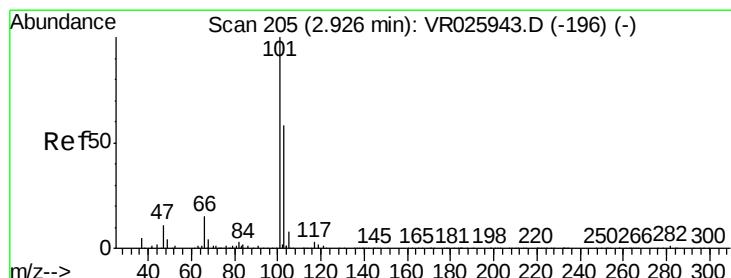
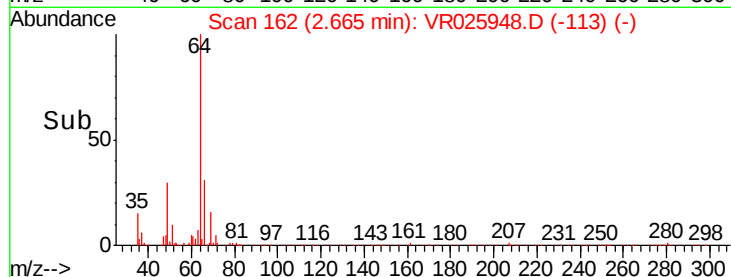
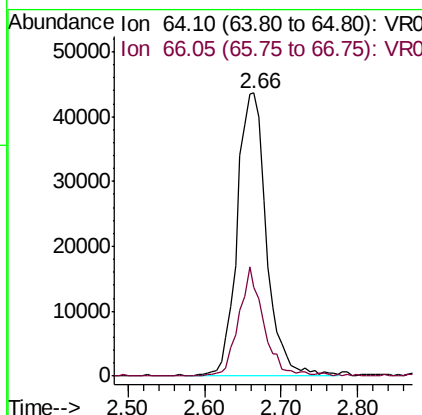
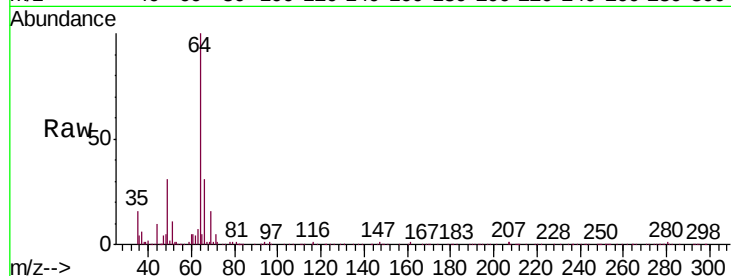




#8
Chloroethane
Concen: 5.129 ug/L
RT: 2.66 min Scan# 162
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

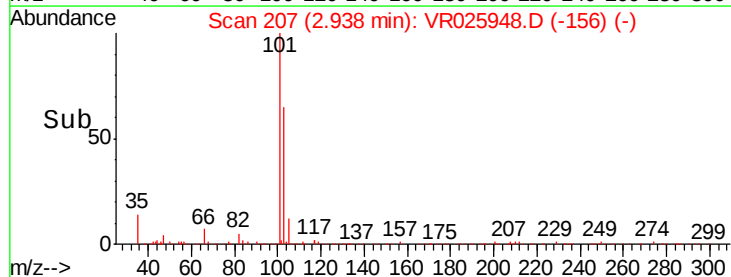
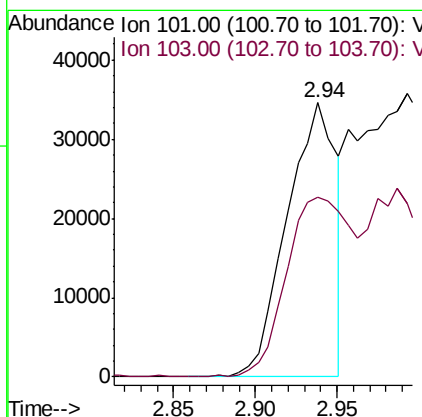
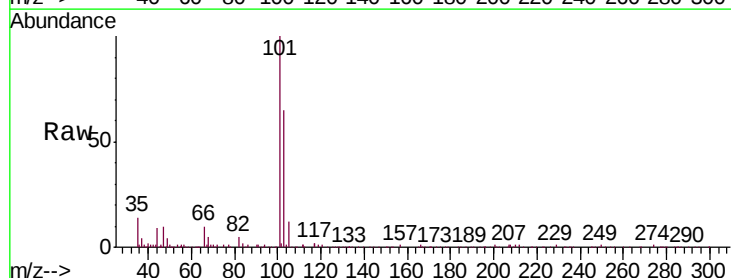
Instrument :
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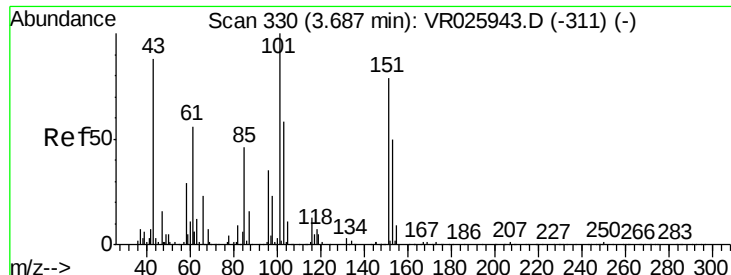
Tgt Ion: 64 Resp: 115555
Ion Ratio Lower Upper
64 100
66 31.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 1.318 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion: 101 Resp: 72440
Ion Ratio Lower Upper
101 100
103 87.7 22.1 33.1#





#10

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

Concen: 4.812 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

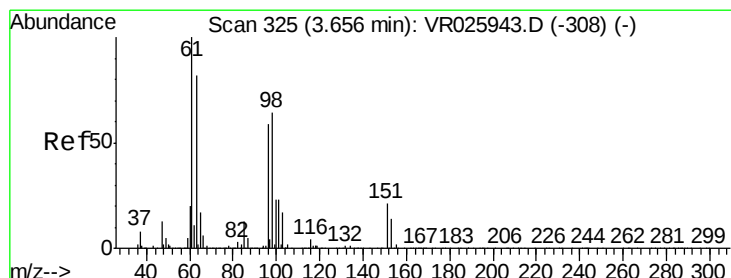
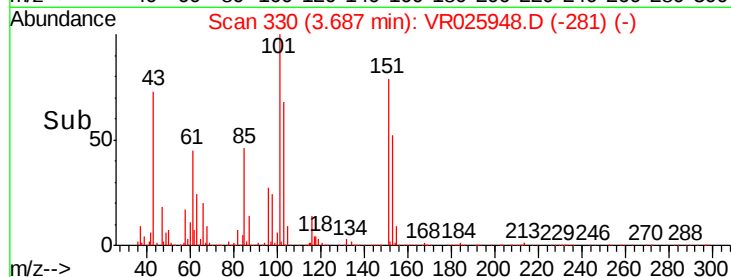
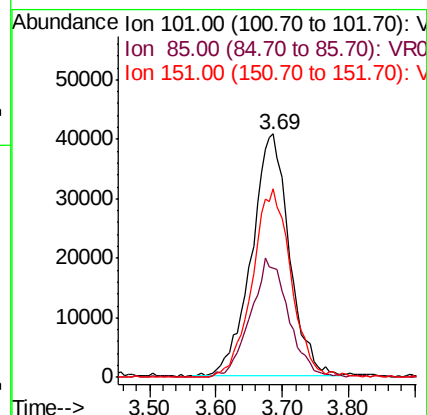
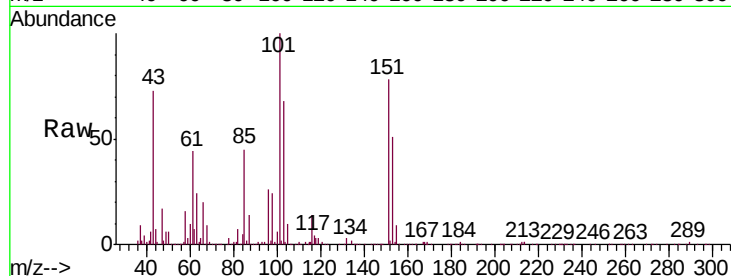
Tgt Ion:101 Resp: 161716

Ion Ratio Lower Upper

101 100

85 49.1 38.2 57.4

151 79.6 58.4 87.6



#12

1,1-Dichloroethene

Concen: 4.846 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

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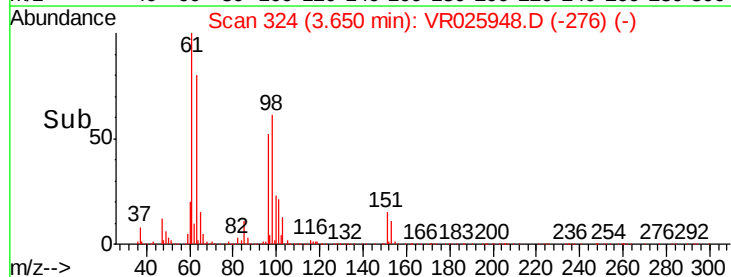
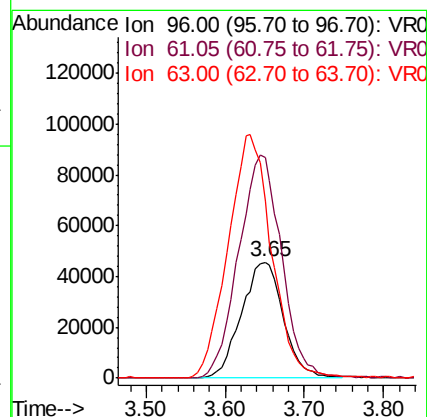
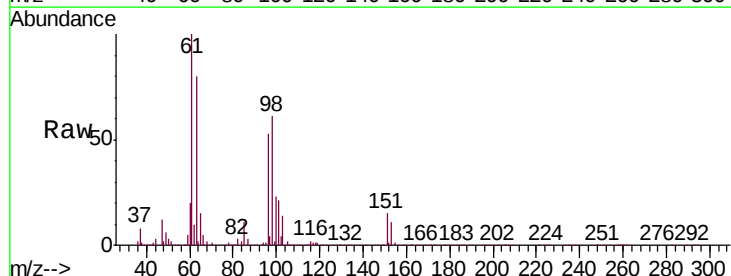
Tgt Ion: 96 Resp: 168387

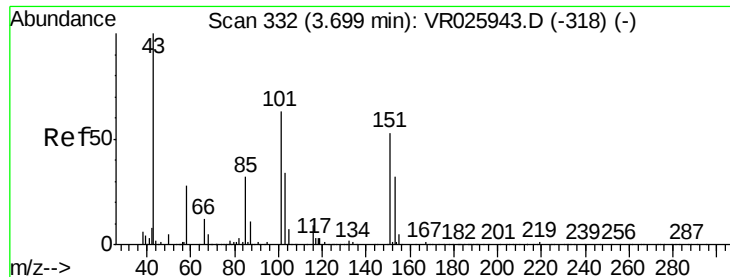
Ion Ratio Lower Upper

96 100

61 190.4 145.0 269.4

63 153.1 123.8 230.0





#13

Acetone

Concen: 50.311 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampled :

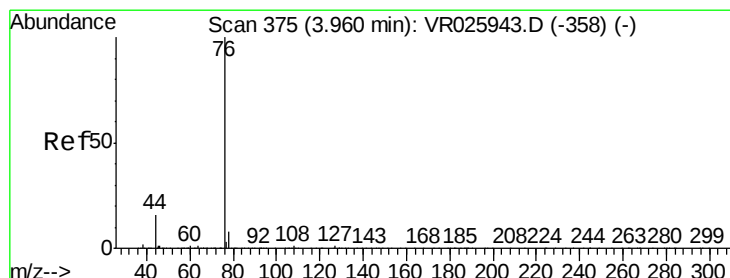
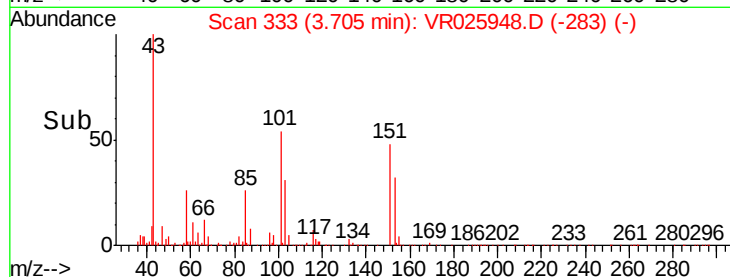
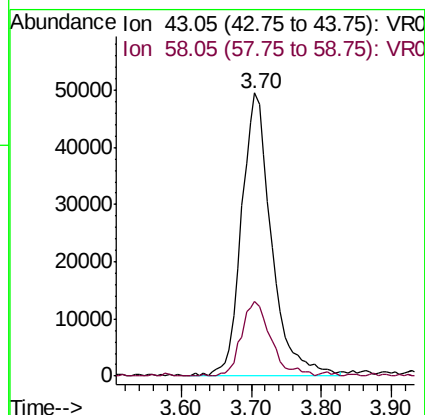
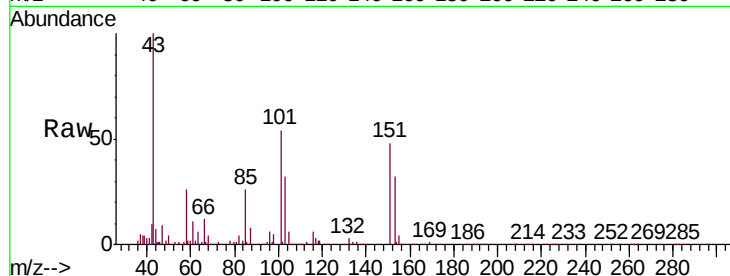
VSTD00599

Tgt Ion: 43 Resp: 147560

Ion Ratio Lower Upper

43 100

58 25.9 0.0 51.4



#14

Carbon disulfide

Concen: 4.529 ug/L

RT: 3.95 min Scan# 374

Delta R.T. -0.01 min

Lab File: VR025948.D

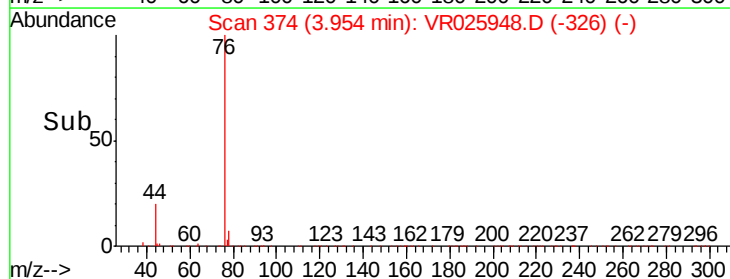
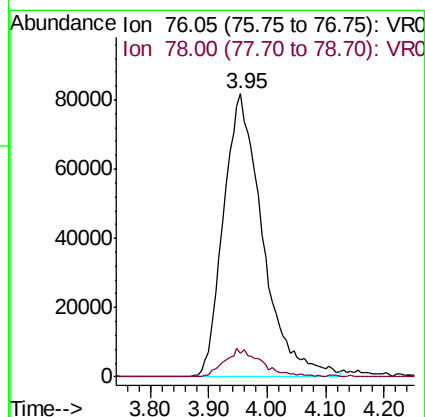
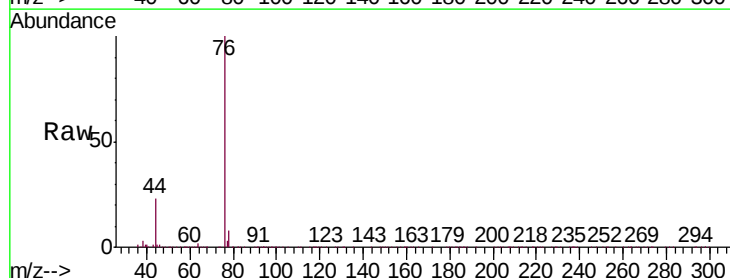
Acq: 4 Oct 2018 20:20

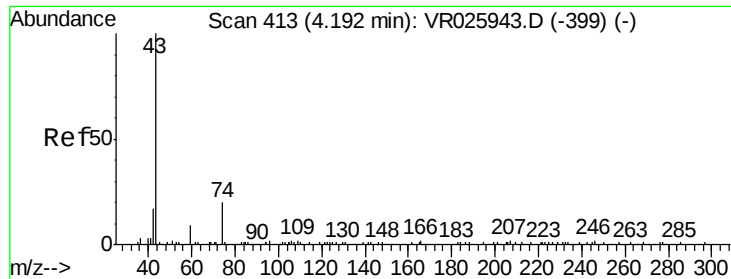
Tgt Ion: 76 Resp: 380961

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.6

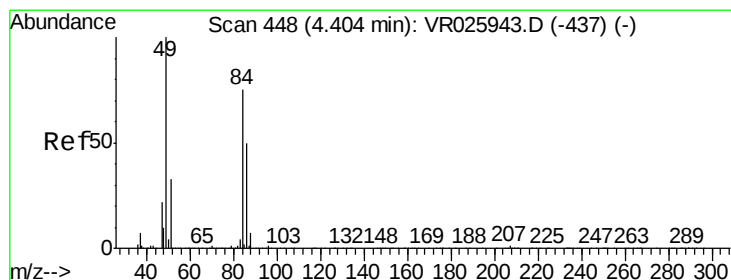
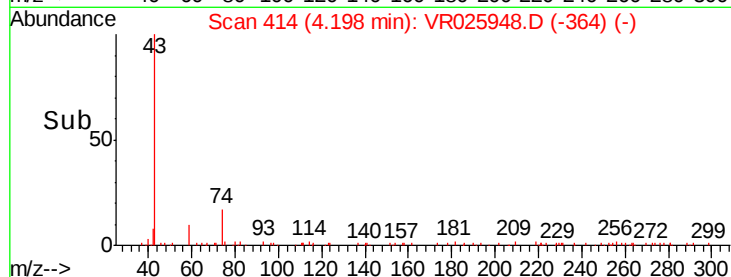
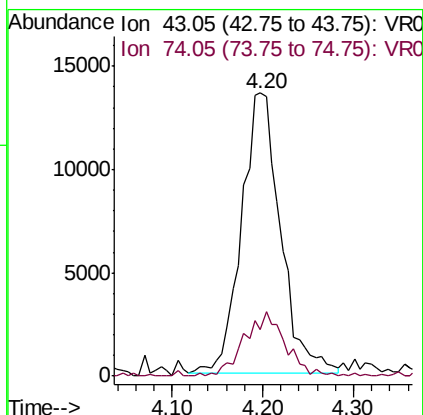
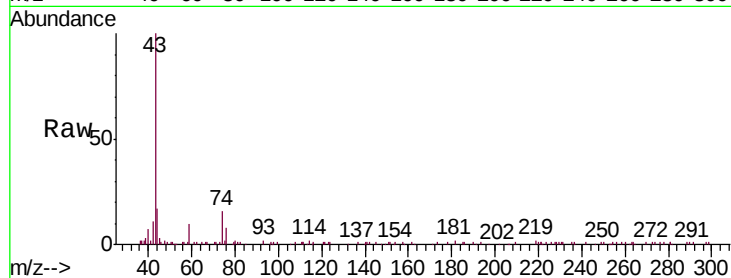




#15
Methyl Acetate
Concen: 4.982 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

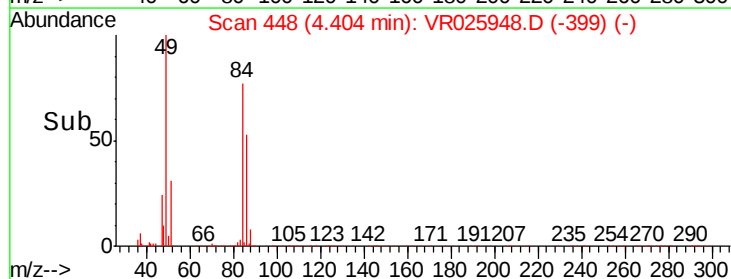
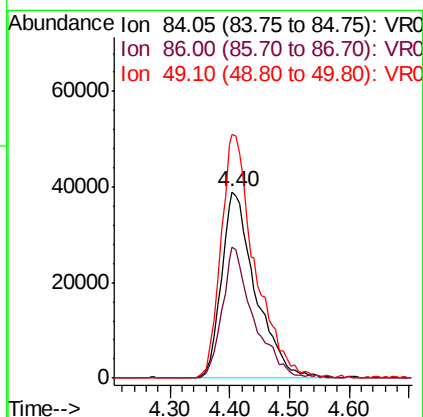
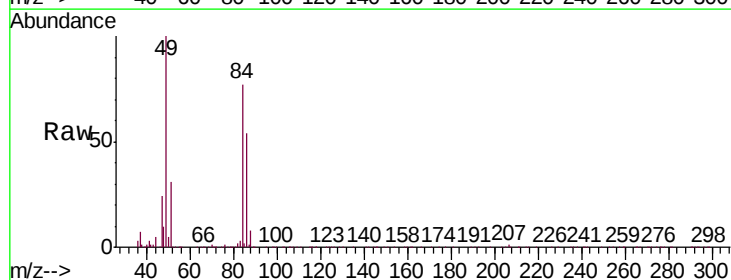
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

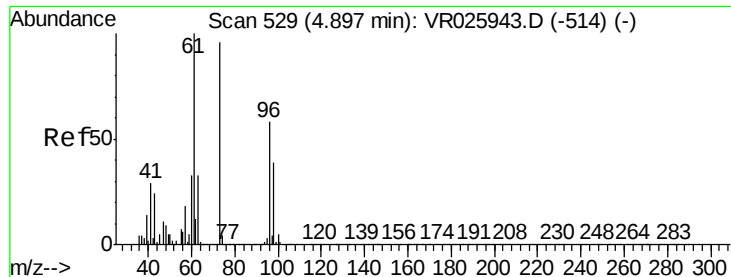
Tgt Ion: 43 Resp: 40513
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 4.808 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion: 84 Resp: 153631
Ion Ratio Lower Upper
84 100
86 70.1 43.1 80.1
49 130.5 95.5 177.3

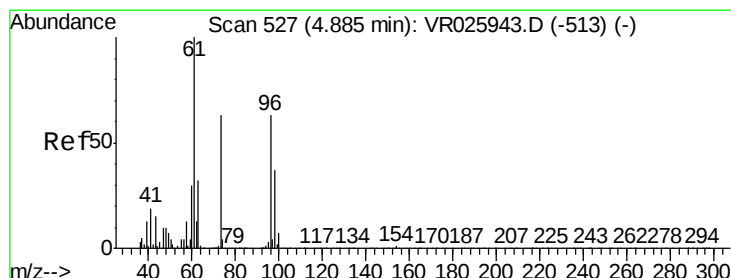
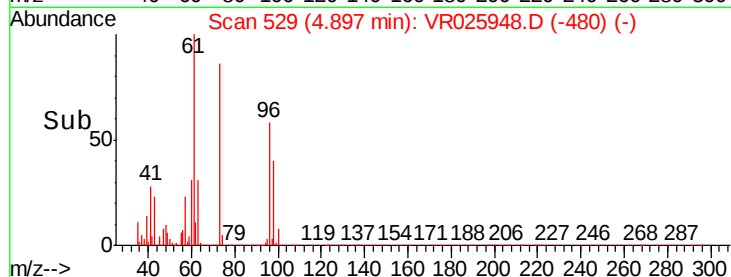
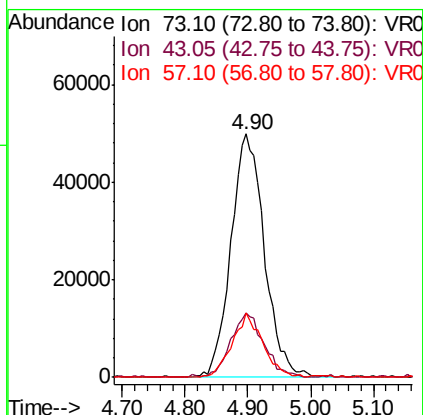
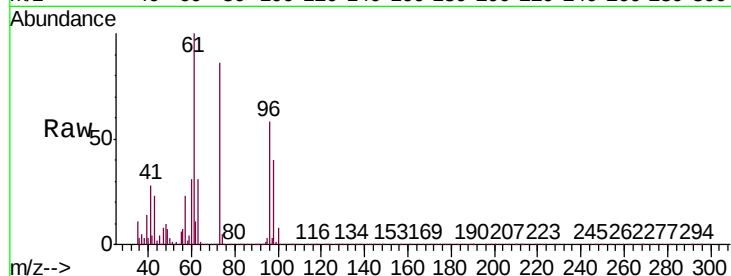




#17
Methyl tert-butyl Ether
Concen: 4.773 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

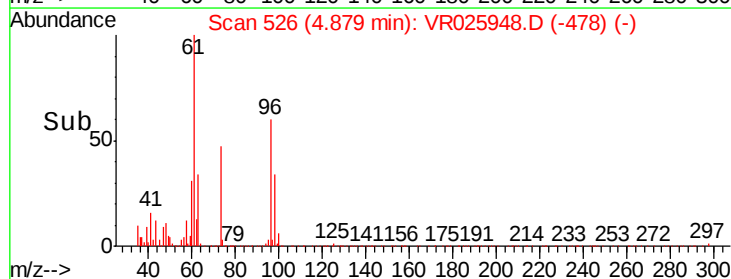
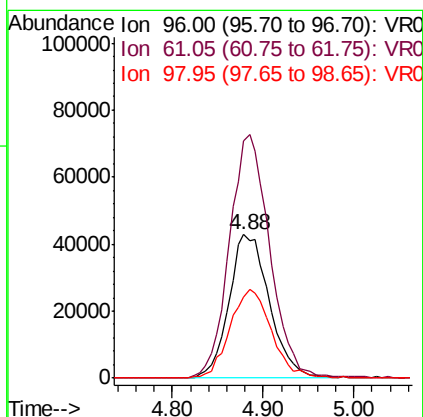
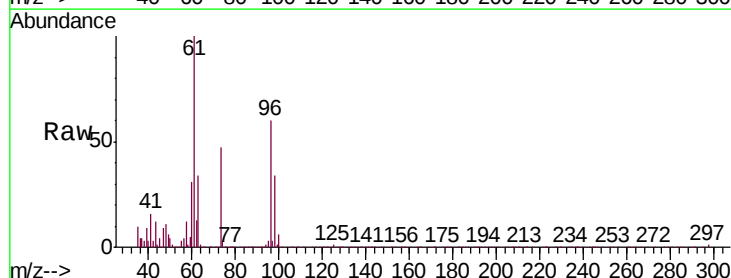
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

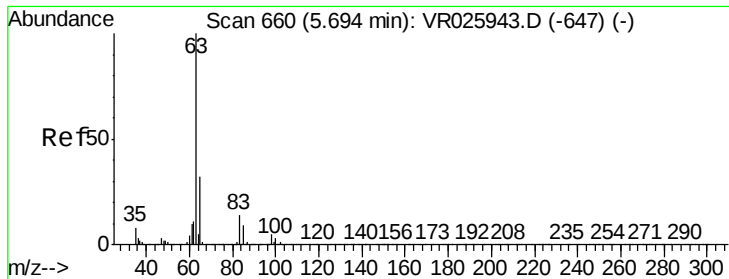
Tgt Ion: 73 Resp: 183661
Ion Ratio Lower Upper
73 100
43 26.3 19.8 29.8
57 24.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.576 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion: 96 Resp: 131500
Ion Ratio Lower Upper
96 100
61 165.8 127.4 236.6
98 56.6 43.8 81.3

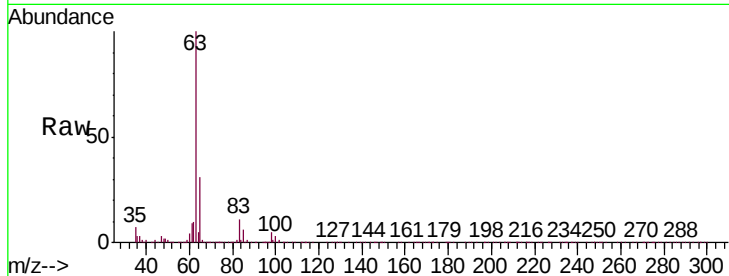




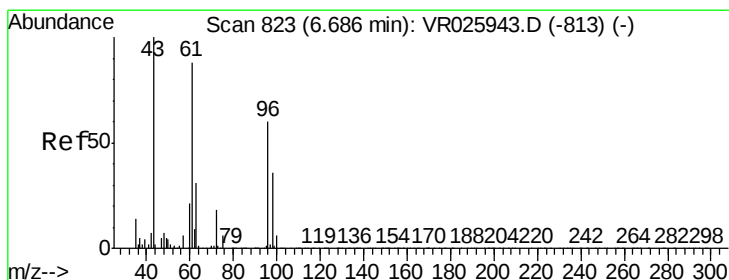
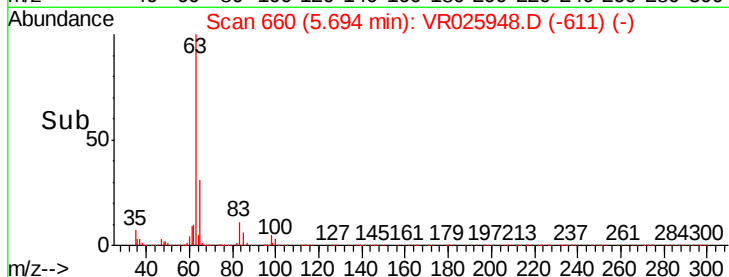
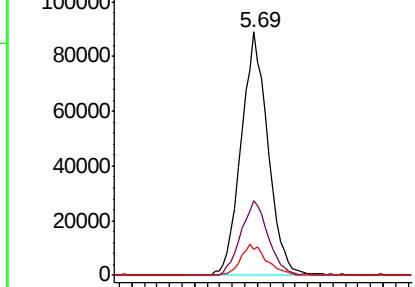
#19
 1,1-Dichloroethane
 Concen: 4.618 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Tgt Ion:	63	Resp:	262769
Ion	Ratio	Lower	Upper
63	100		
65	30.5	21.1	39.1
83	10.8	8.9	16.5

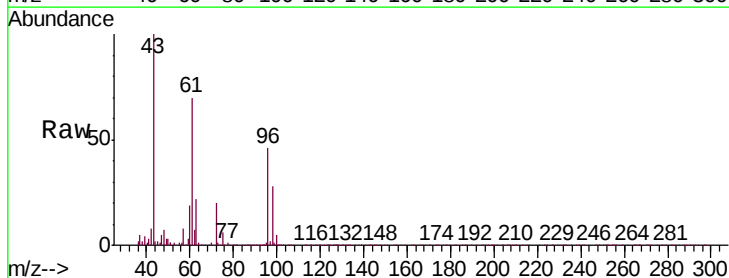


Abundance Ion 63.10 (62.80 to 63.80): VR0
 Ion 65.10 (64.80 to 65.80): VR0
 Ion 83.05 (82.75 to 83.75): VR0

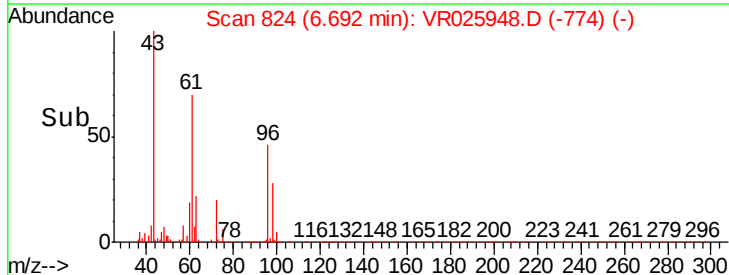
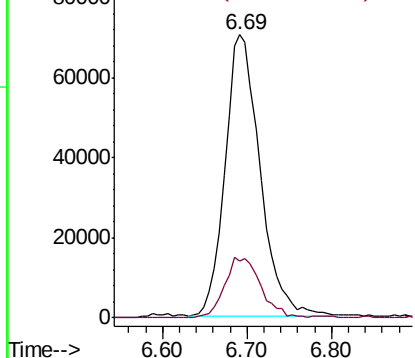


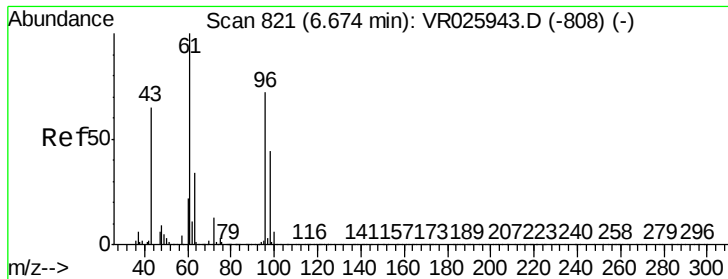
#21
 2-Butanone
 Concen: 49.327 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion:	43	Resp:	198993
Ion	Ratio	Lower	Upper
43	100		
72	22.1	11.9	35.7



Abundance Ion 43.05 (42.75 to 43.75): VR0
 Ion 72.10 (71.80 to 72.80): VR0



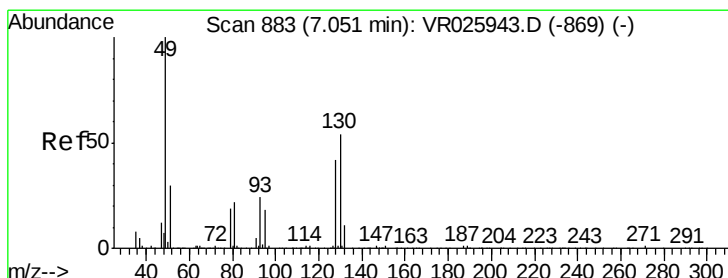
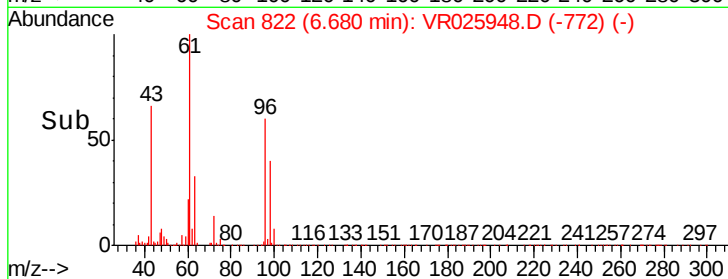
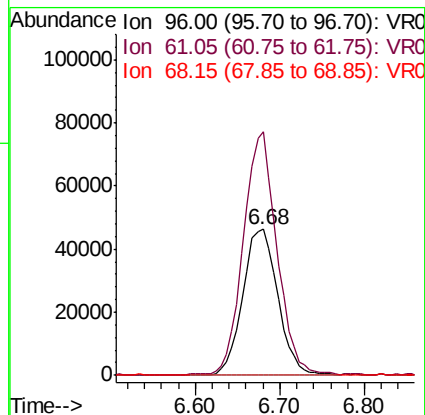
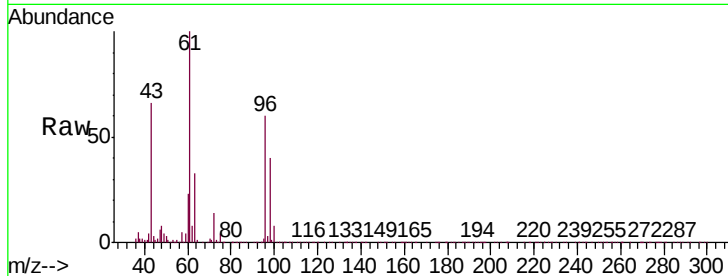


#22

cis-1,2-Dichloroethene
 Concen: 4.506 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

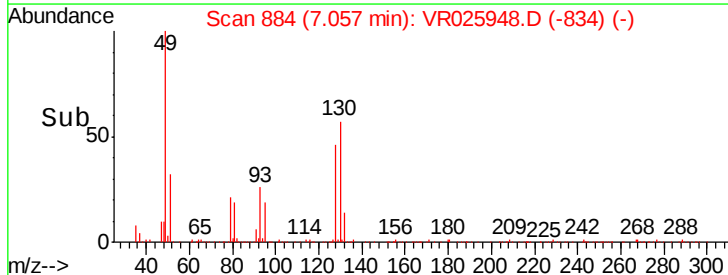
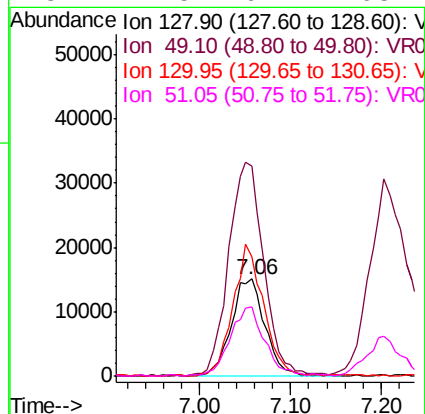
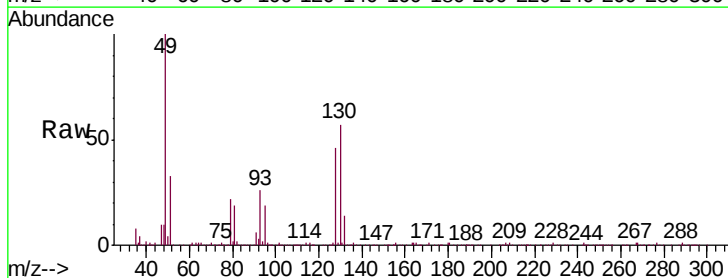
Tgt Ion: 96 Resp: 130302
 Ion Ratio Lower Upper
 96 100
 61 166.8 108.7 201.9
 68 0.0 0.1 0.1#

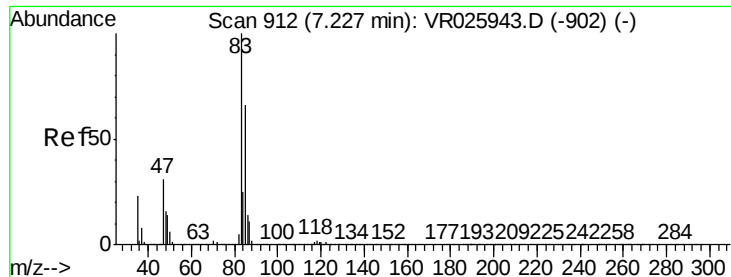


#23

Bromochloromethane
 Concen: 4.938 ug/L
 RT: 7.06 min Scan# 884
 Delta R.T. 0.01 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion: 128 Resp: 38732
 Ion Ratio Lower Upper
 128 100
 49 217.3 175.0 325.0
 130 123.5 85.6 159.0
 51 71.5 62.2 93.2

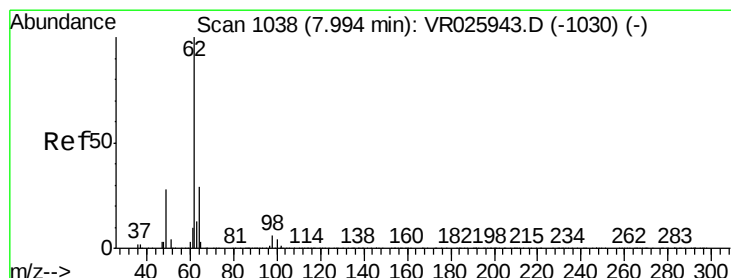
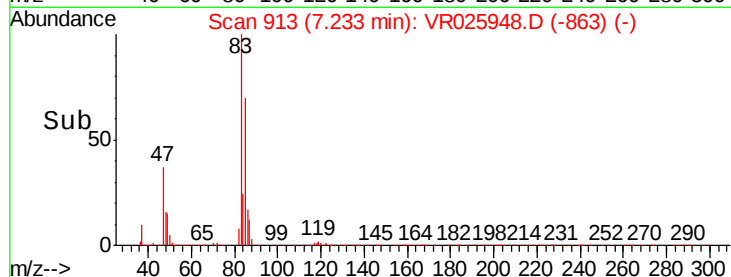
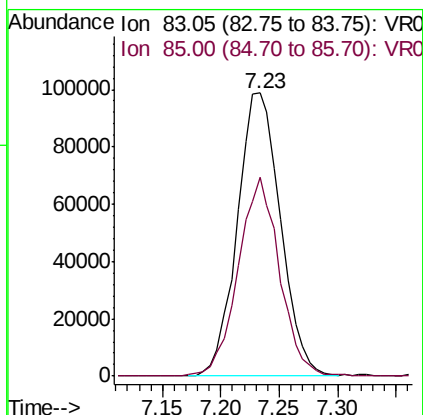
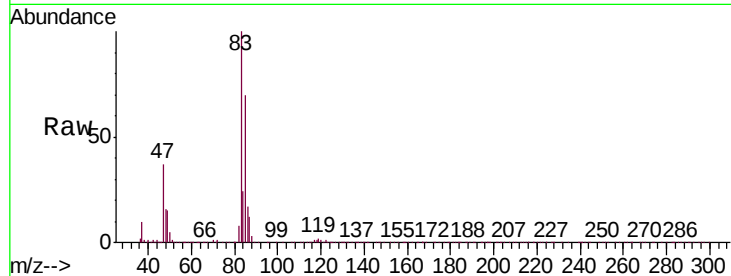




#25
Chloroform
Concen: 4.597 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

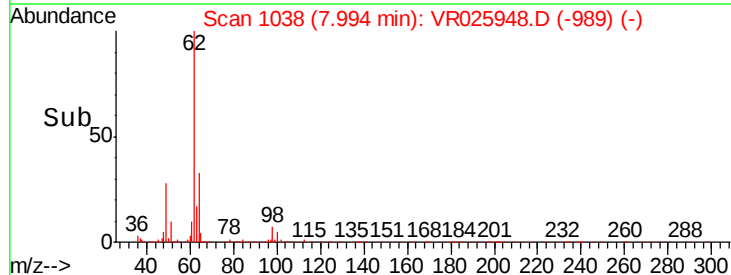
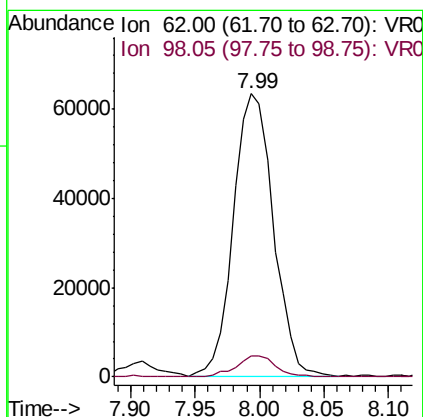
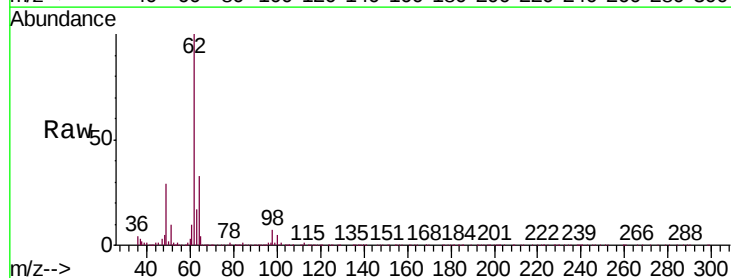
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

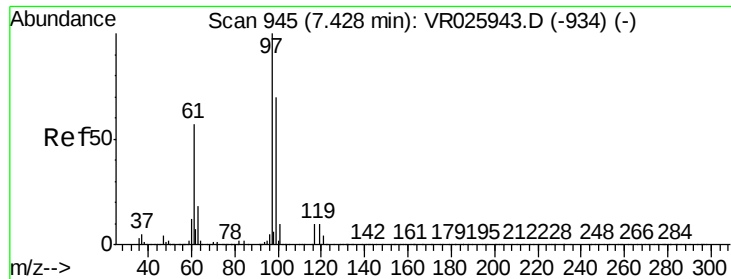
Tgt Ion: 83 Resp: 254683
Ion Ratio Lower Upper
83 100
85 70.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.909 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion: 62 Resp: 135727
Ion Ratio Lower Upper
62 100
98 7.2 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 4.636 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

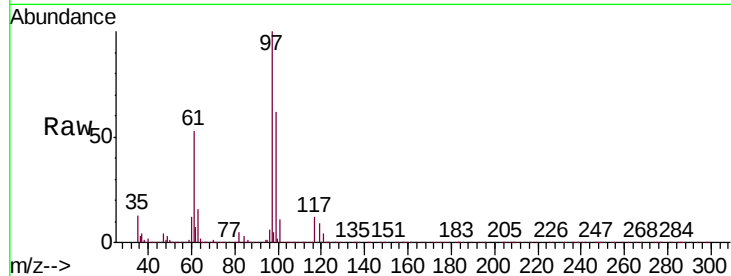
Tgt Ion: 97 Resp: 209375

Ion Ratio Lower Upper

97 100

99 62.2 51.0 76.6

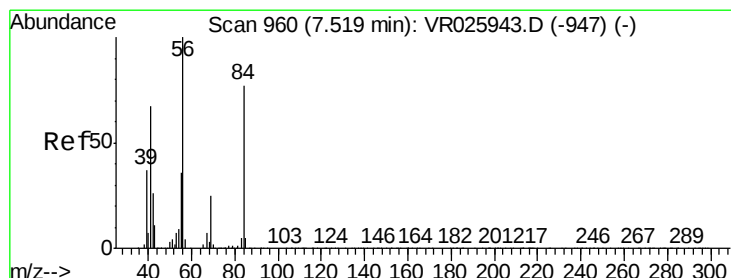
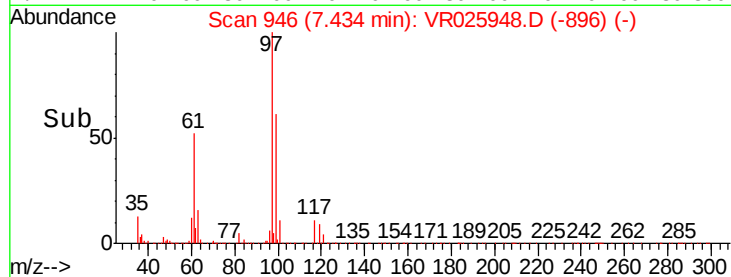
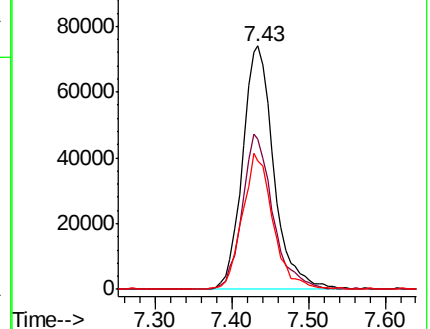
61 54.7 41.6 62.4



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: 3.895 ug/L

RT: 7.52 min Scan# 960

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

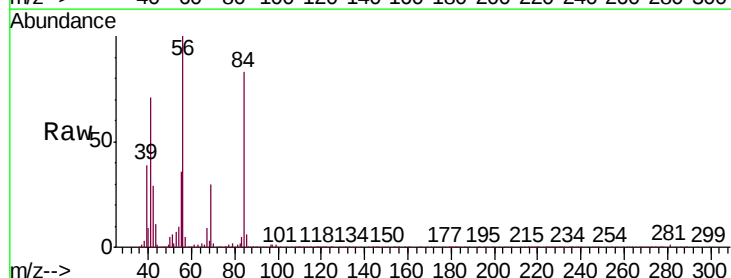
Tgt Ion: 56 Resp: 219840

Ion Ratio Lower Upper

56 100

69 29.5 24.8 37.2

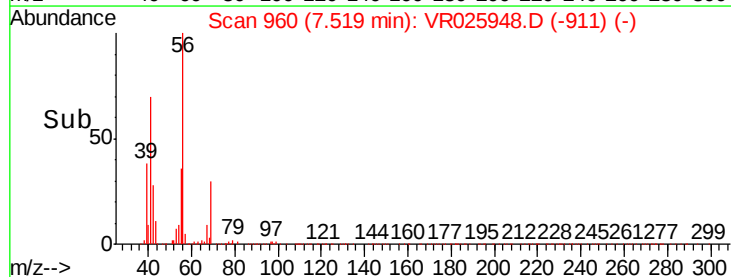
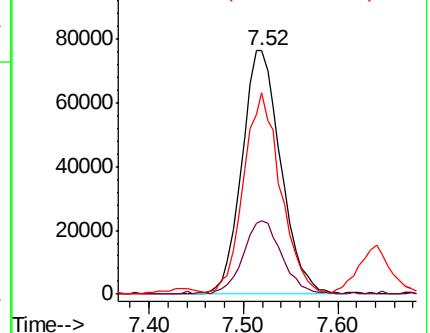
84 79.2 59.8 89.8

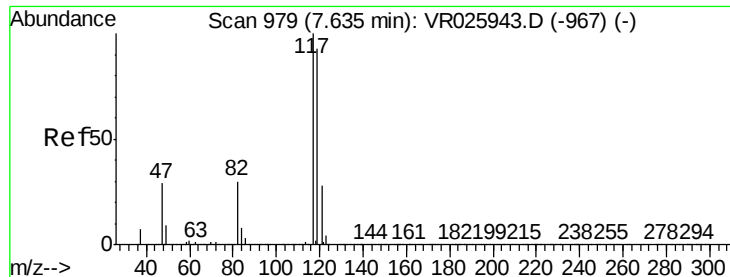


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.685 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

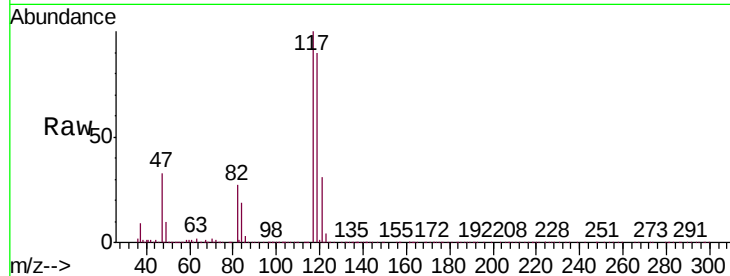
VSTD00599

Tgt Ion:117 Resp: 183235

Ion Ratio Lower Upper

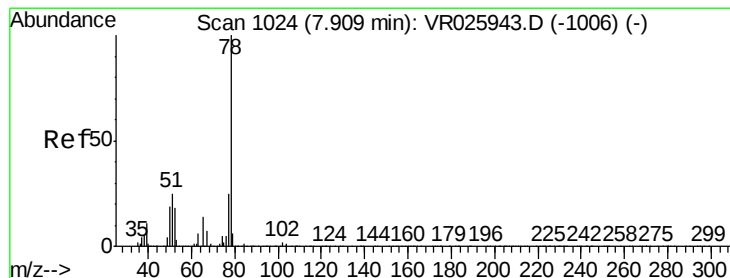
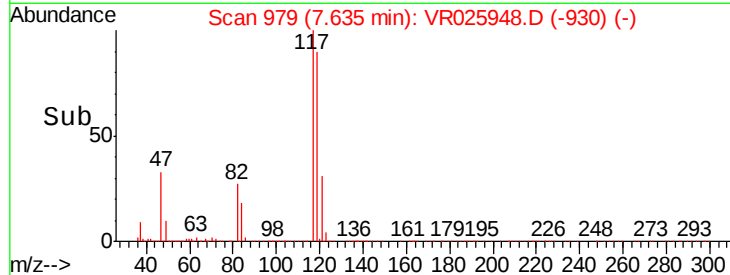
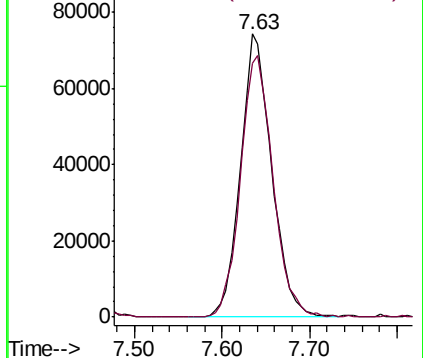
117 100

119 96.4 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: 4.443 ug/L

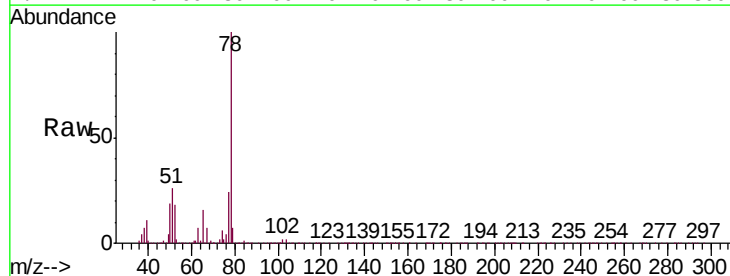
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

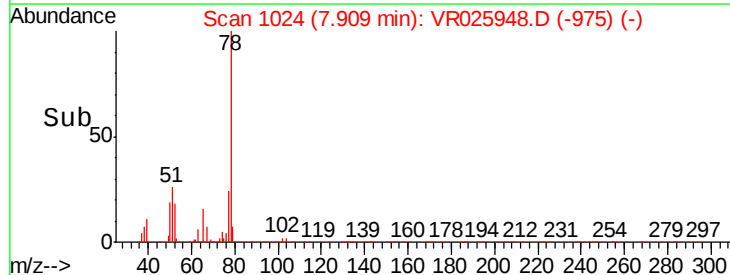
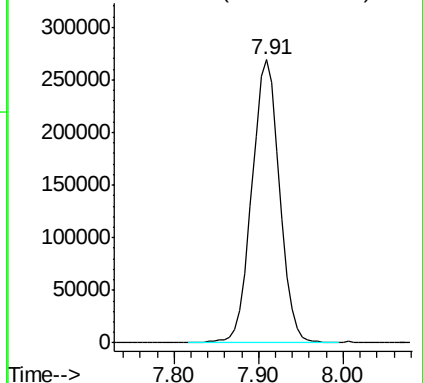
Lab File: VR025948.D

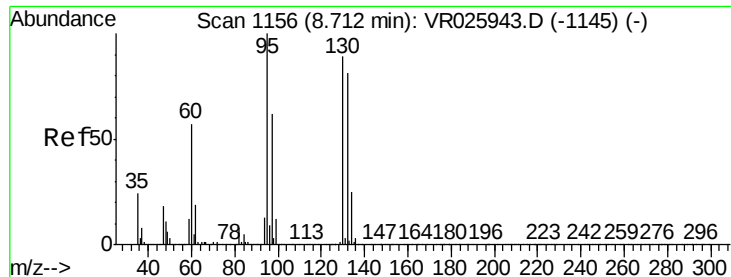
Acq: 4 Oct 2018 20:20

Tgt Ion: 78 Resp: 598616



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.243 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

Tgt Ion: 95 Resp: 150633

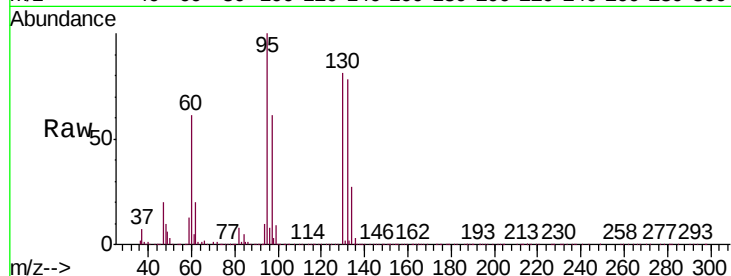
Ion Ratio Lower Upper

95 100

97 61.4 43.9 81.5

132 78.0 53.3 98.9

130 80.7 53.8 99.8

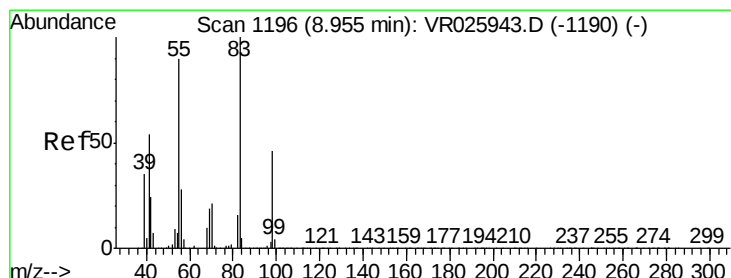
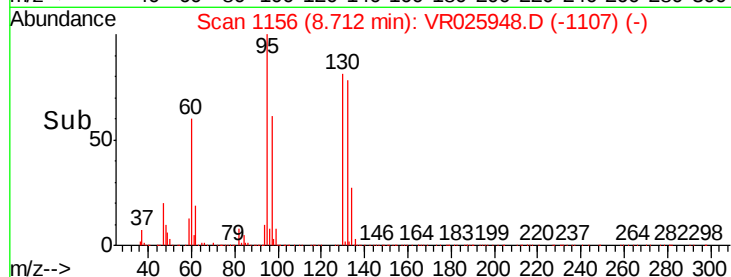
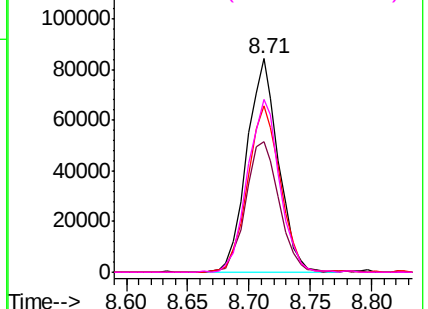


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.072 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

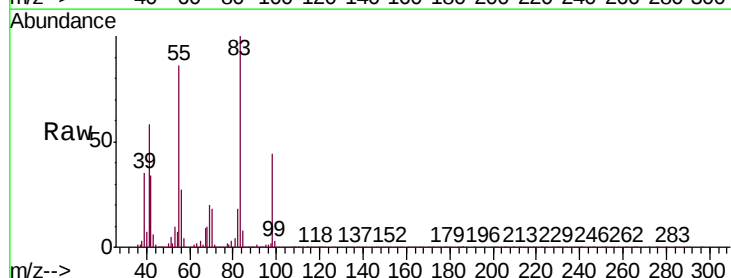
Tgt Ion: 83 Resp: 217332

Ion Ratio Lower Upper

83 100

55 88.9 71.8 107.6

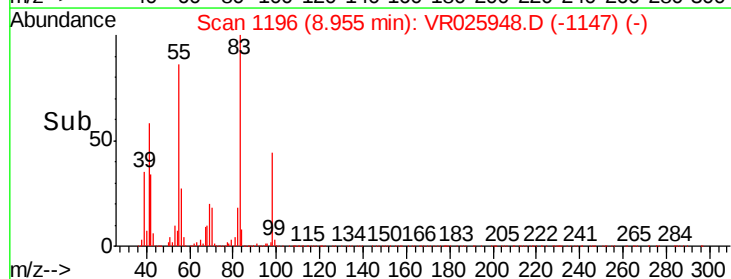
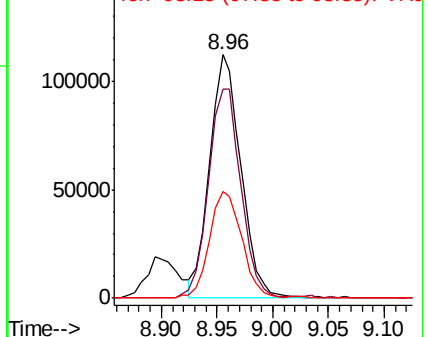
98 45.5 34.2 51.4

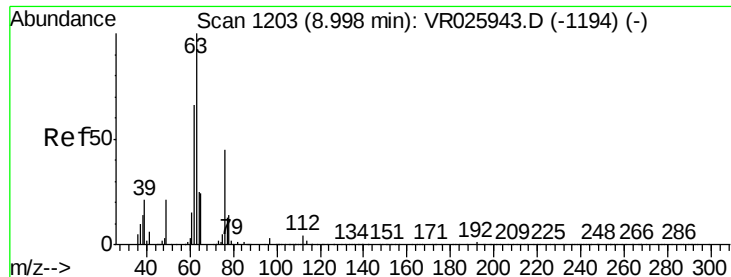


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

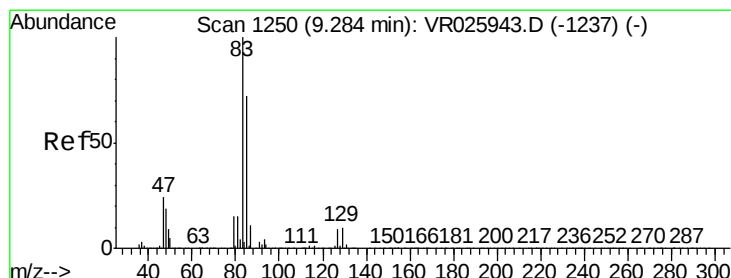
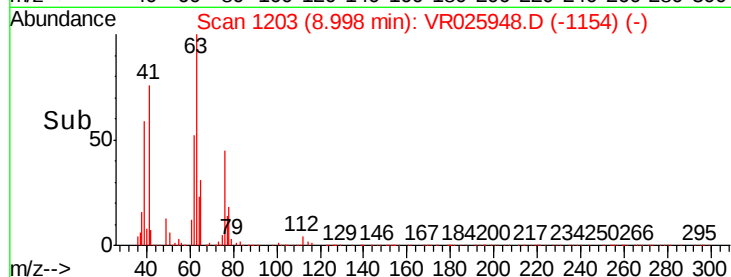
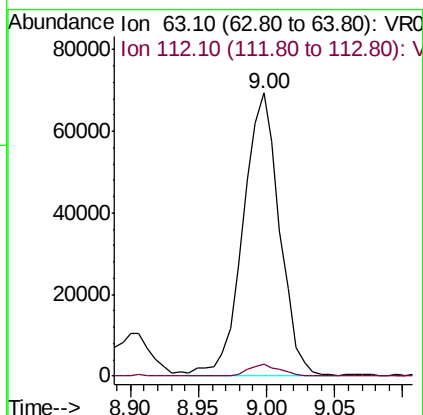
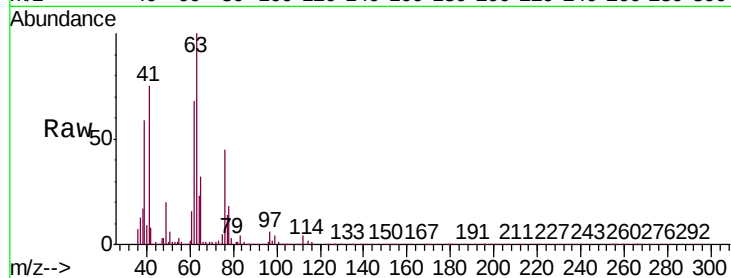




#37
 1,2-Dichloropropane
 Concen: 4.457 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

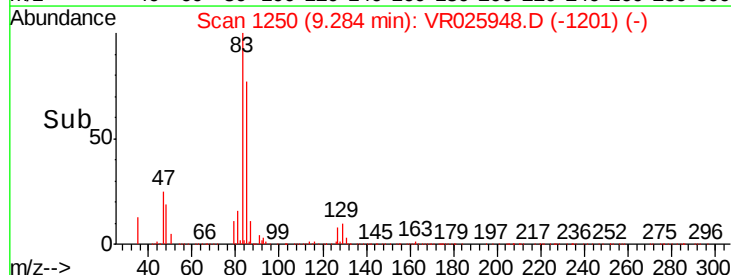
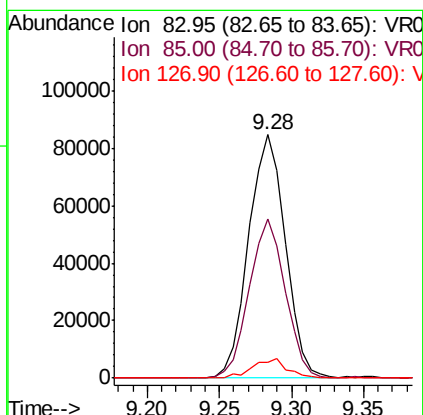
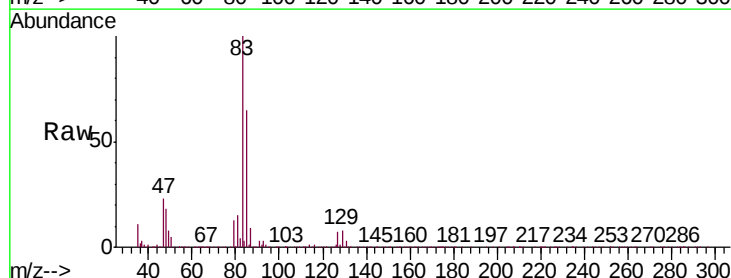
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

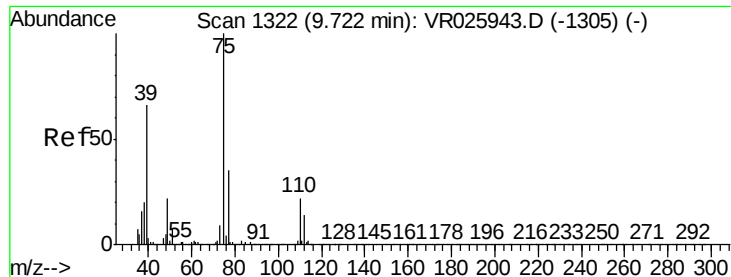
Tgt Ion: 63 Resp: 128813
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.5 3.7#



#38
 Bromodichloromethane
 Concen: 4.784 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion: 83 Resp: 149185
 Ion Ratio Lower Upper
 83 100
 85 65.3 42.8 79.4
 127 6.6 5.6 8.4

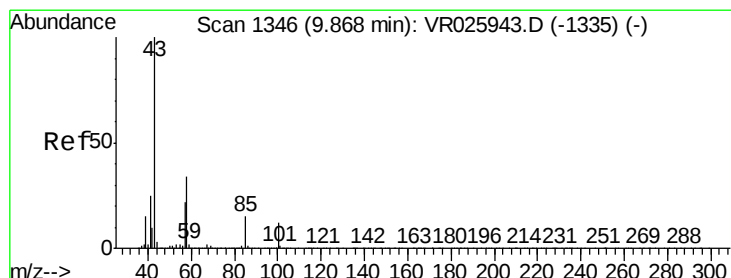
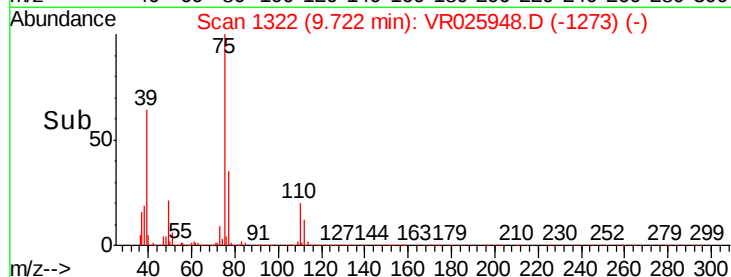
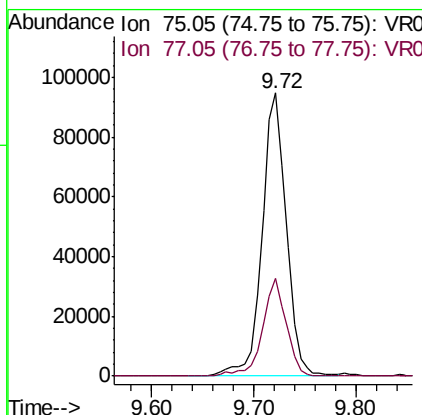
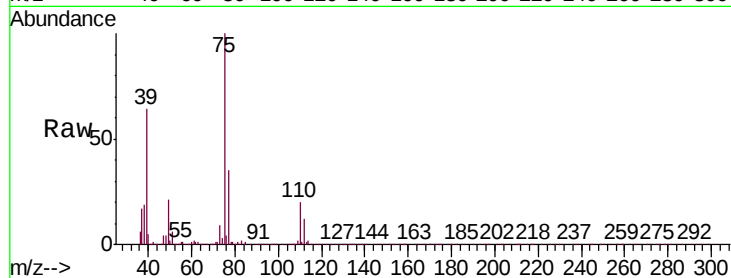




#39
 cis-1,3-Dichloropropene
 Concen: 4.851 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

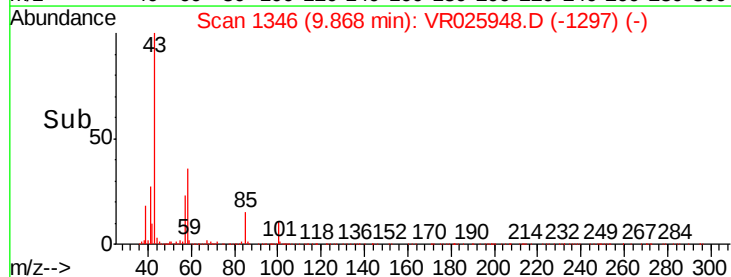
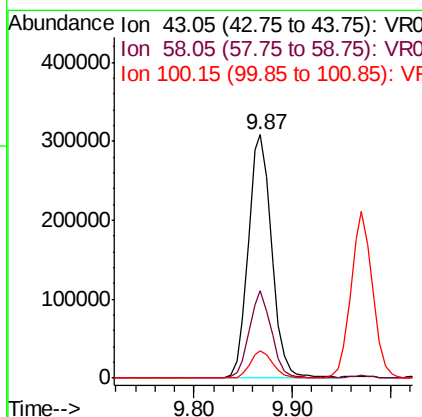
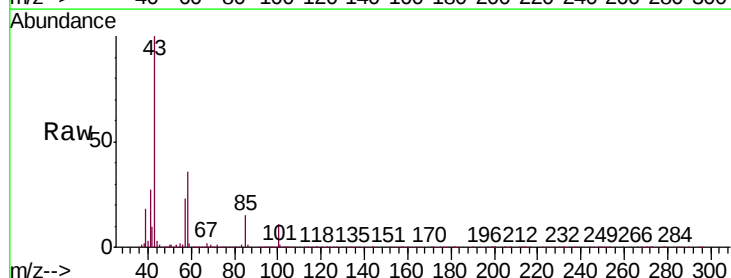
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

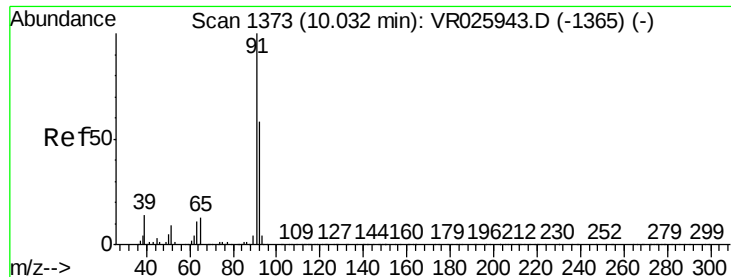
Tgt Ion: 75 Resp: 157183
 Ion Ratio Lower Upper
 75 100
 77 34.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 50.255 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion: 43 Resp: 510716
 Ion Ratio Lower Upper
 43 100
 58 33.9 28.6 43.0
 100 11.1 9.0 13.4





#42

Toluene

Concen: 4.604 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

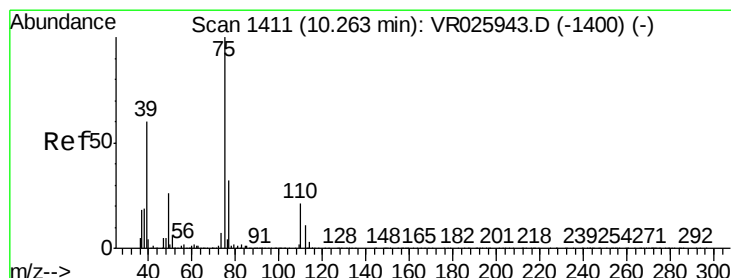
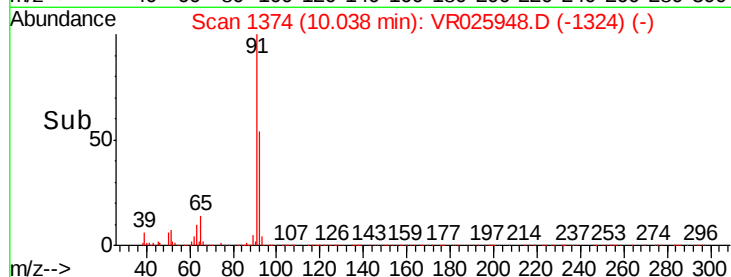
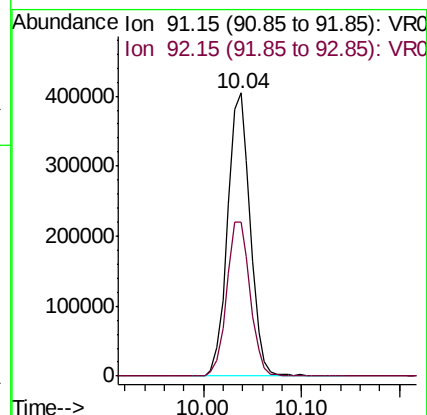
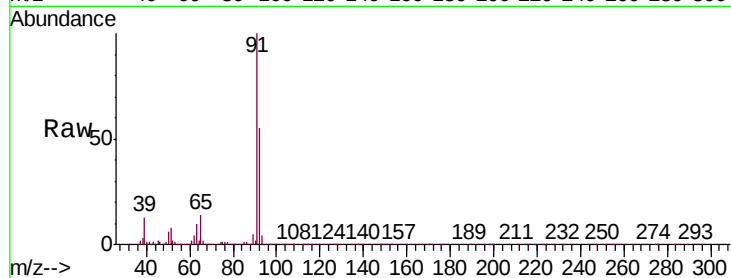
VSTD00599

Tgt Ion: 91 Resp: 644461

Ion Ratio Lower Upper

91 100

92 54.5 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 5.454 ug/L

RT: 10.27 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VR025948.D

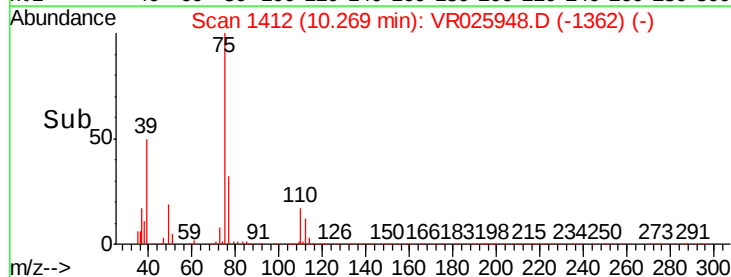
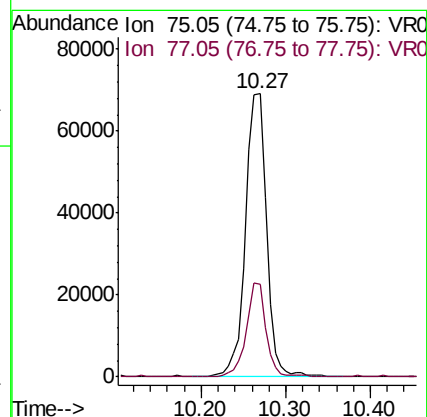
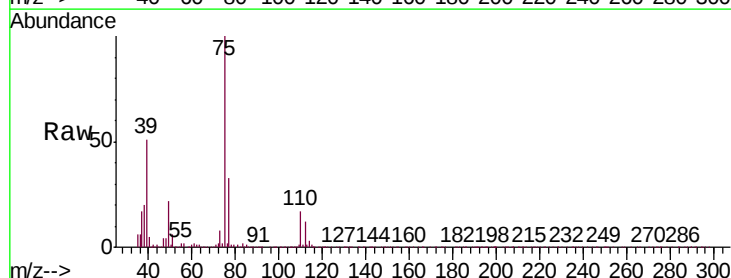
Acq: 4 Oct 2018 20:20

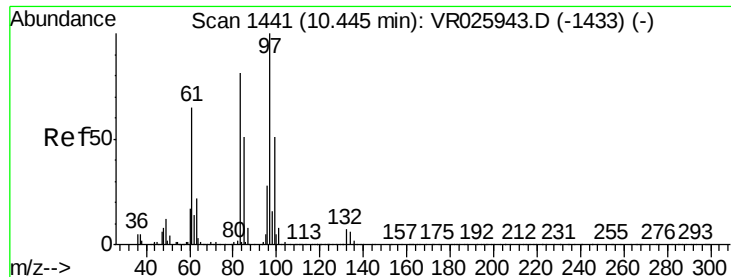
Tgt Ion: 75 Resp: 115403

Ion Ratio Lower Upper

75 100

77 32.7 23.0 42.8

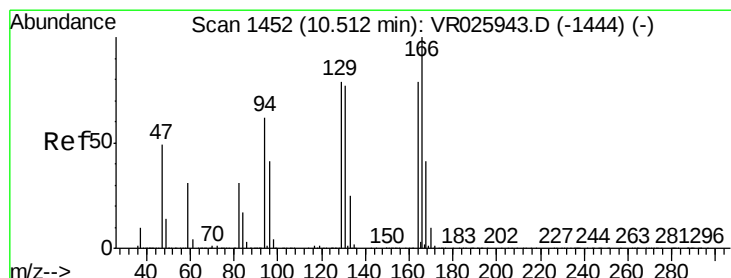
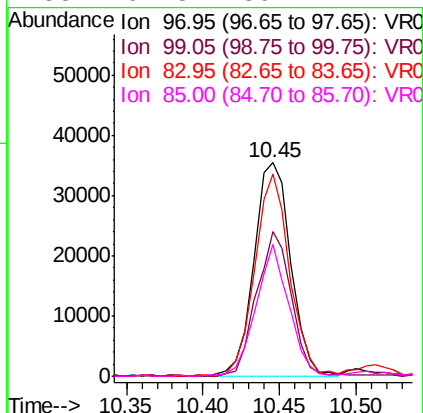
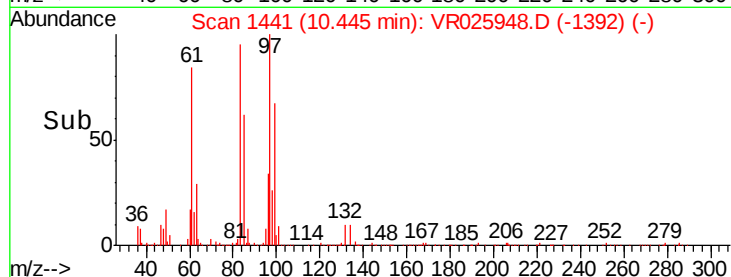
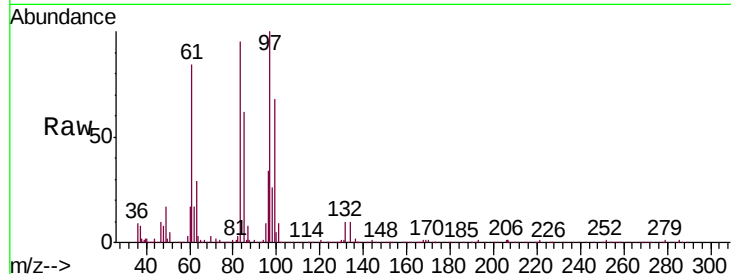




#45
 1,1,2-Trichloroethane
 Concen: 4.539 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

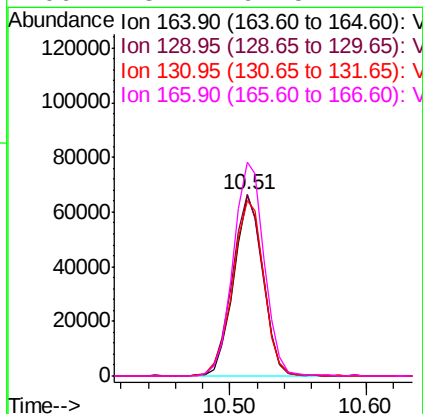
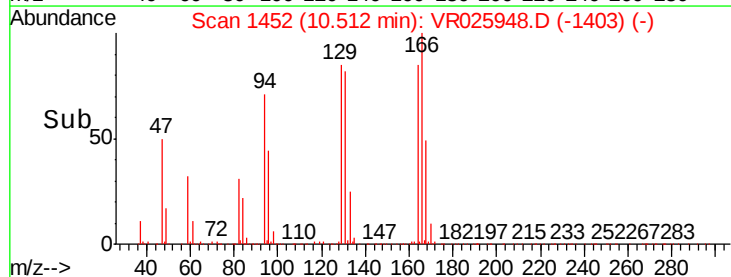
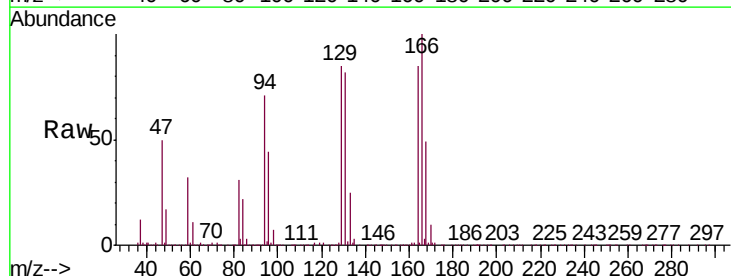
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00599

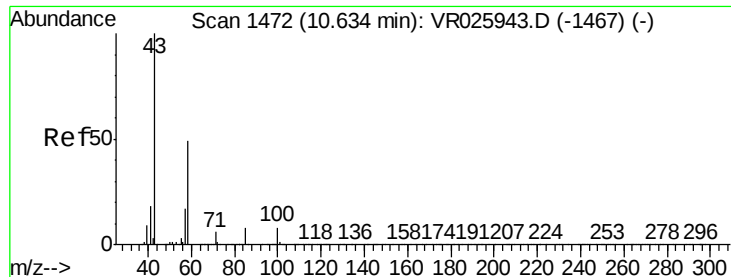
Tgt Ion:	97	Resp:	59335
Ion	Ratio	Lower	Upper
97	100		
99	67.6	39.6	73.6
83	94.9	62.2	115.6
85	61.8	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.544 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion:	164	Resp:	99386
Ion	Ratio	Lower	Upper
164	100		
129	100.6	80.8	150.2
131	96.9	74.5	138.3
166	118.1	92.5	171.7

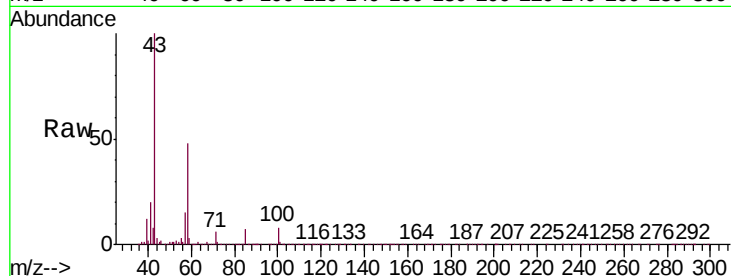




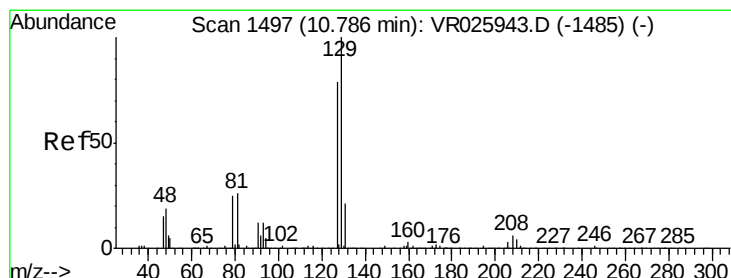
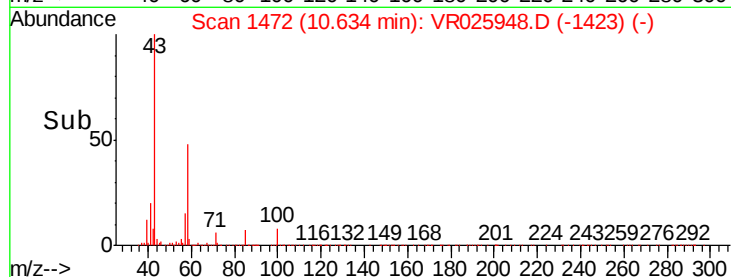
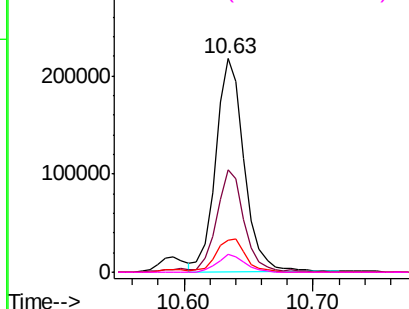
#48
2-Hexanone
Concen: 50.482 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

Tgt Ion:	43	Resp:	335890
Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.5	59.3
57	16.1	14.6	21.8
100	8.4	6.7	10.1

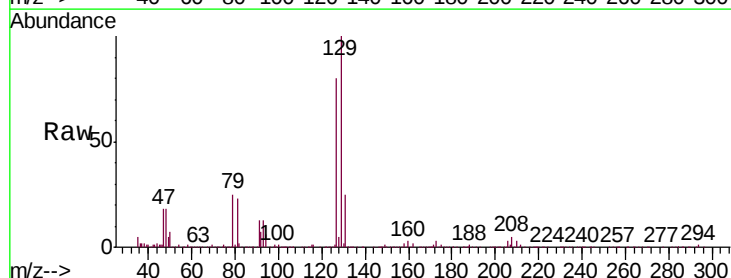


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

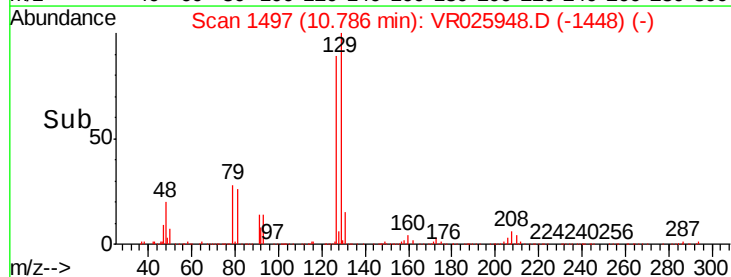
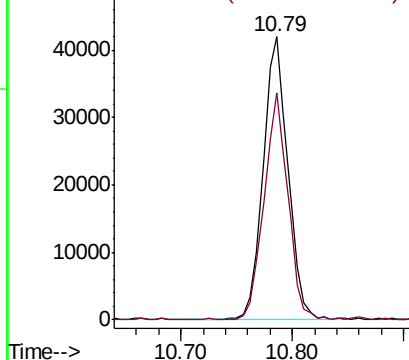


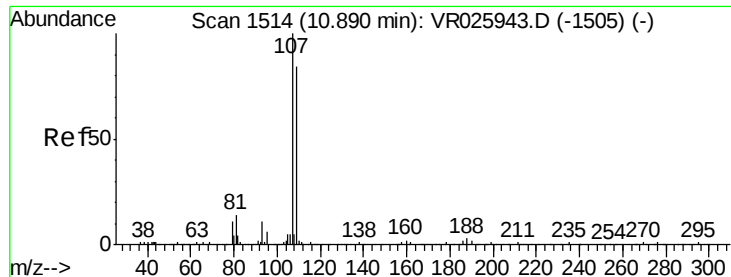
#49
Dibromochloromethane
Concen: 4.937 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion:	129	Resp:	65493
Ion	Ratio	Lower	Upper
129	100		
127	80.2	54.1	100.5



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

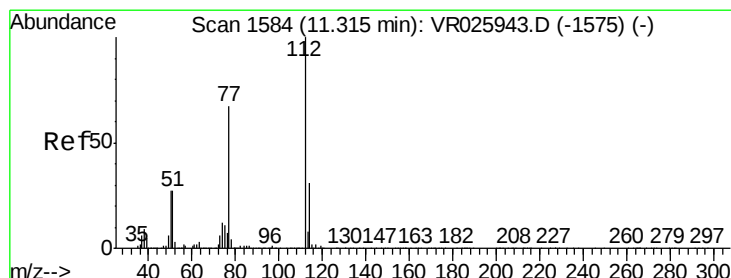
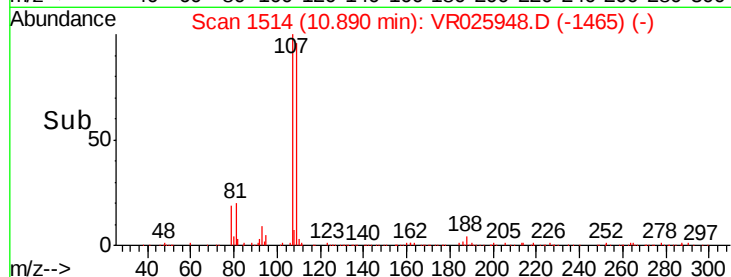
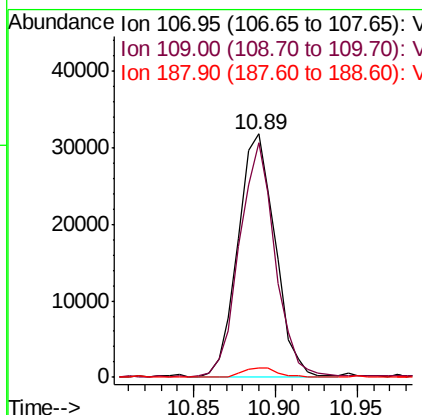
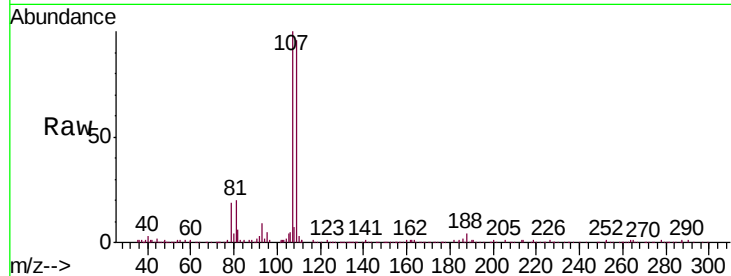




#50
1,2-Dibromoethane
Concen: 4.898 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

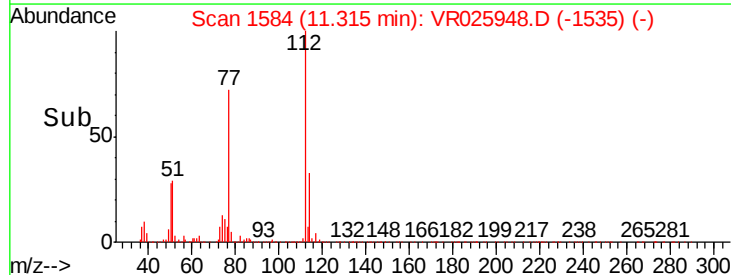
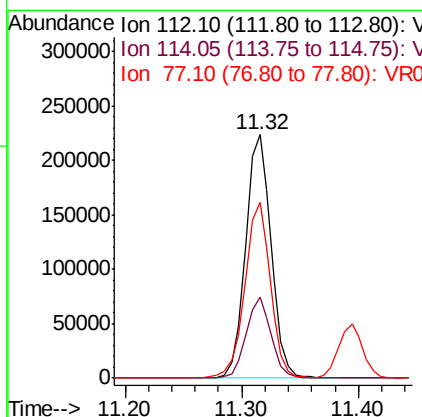
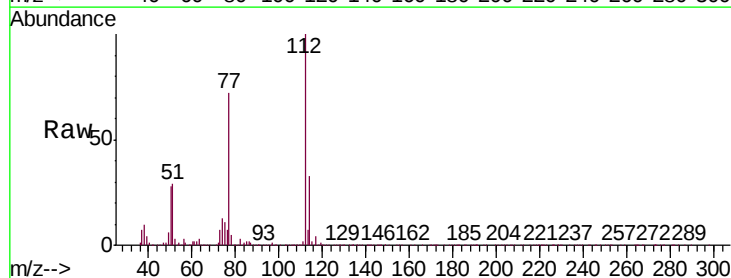
Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

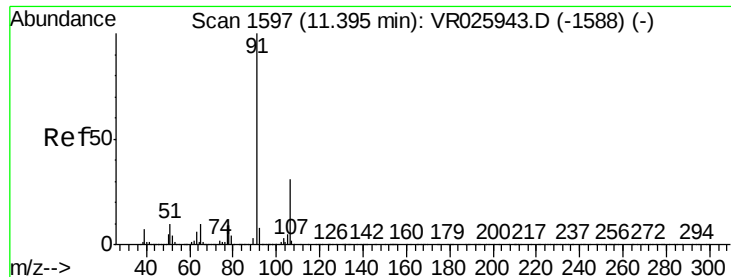
Tgt Ion:107 Resp: 50521
Ion Ratio Lower Upper
107 100
109 96.4 63.5 117.9
188 3.9 1.7 2.5#



#51
Chlorobenzene
Concen: 4.585 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion:112 Resp: 340457
Ion Ratio Lower Upper
112 100
114 33.4 22.7 42.3
77 72.4 58.5 87.7





#52

Ethylbenzene

Concen: 4.679 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

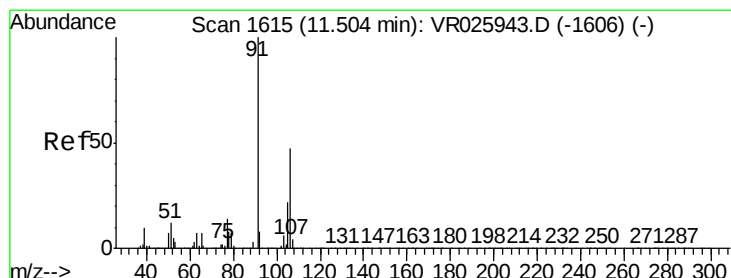
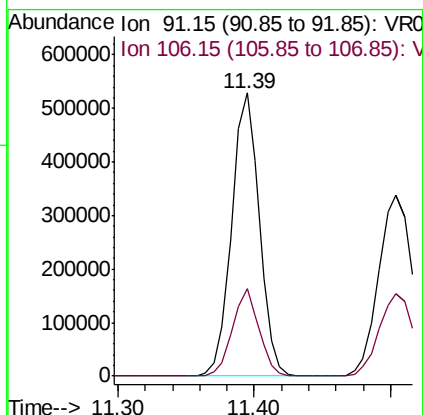
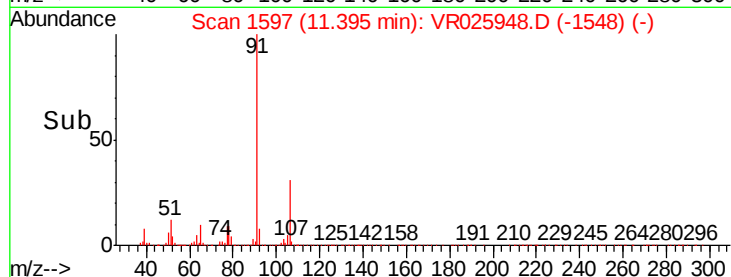
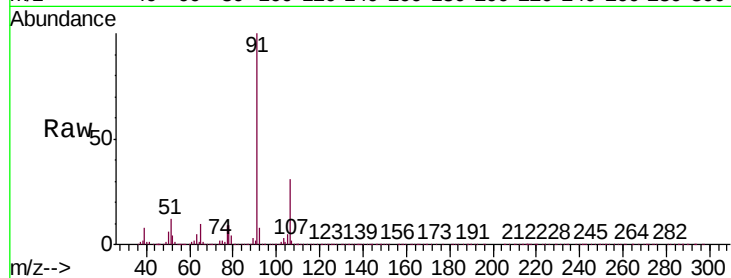
VSTD00599

Tgt Ion: 91 Resp: 747659

Ion Ratio Lower Upper

91 100

106 31.0 20.6 38.4



#53

m,p-Xylene

Concen: 4.637 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025948.D

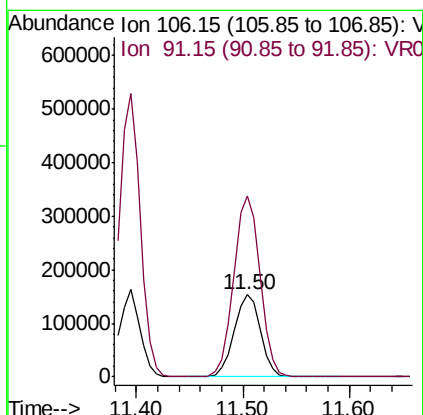
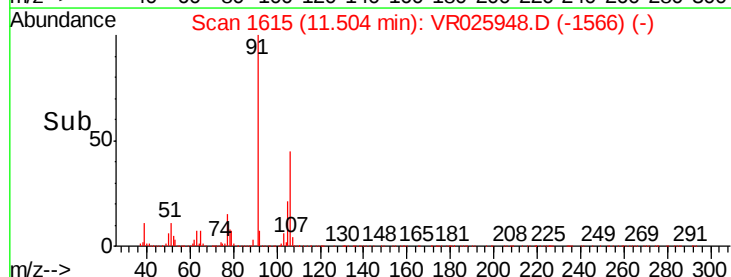
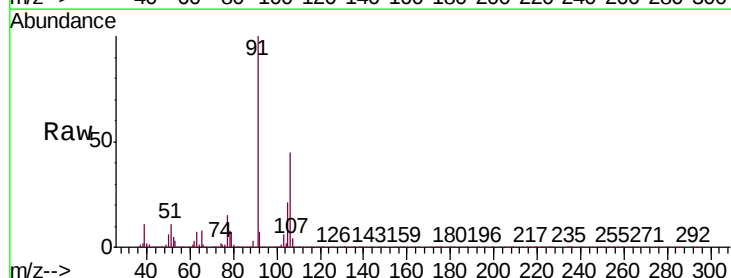
Acq: 4 Oct 2018 20:20

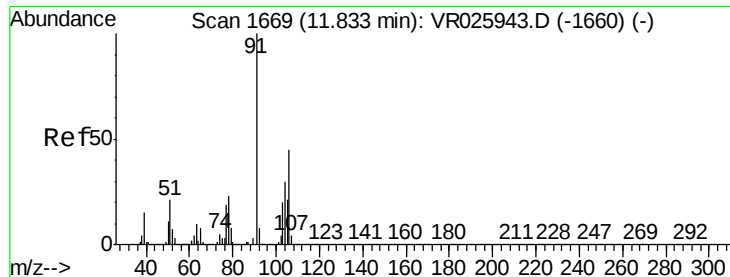
Tgt Ion: 106 Resp: 263760

Ion Ratio Lower Upper

106 100

91 220.9 159.7 296.5

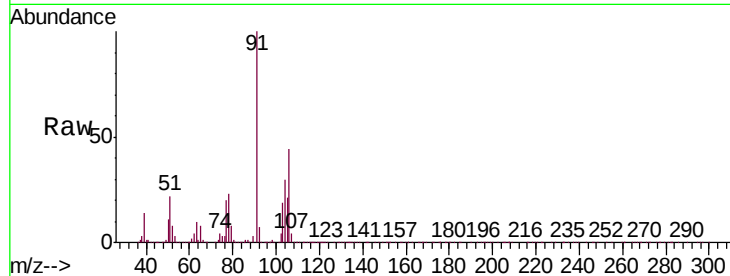




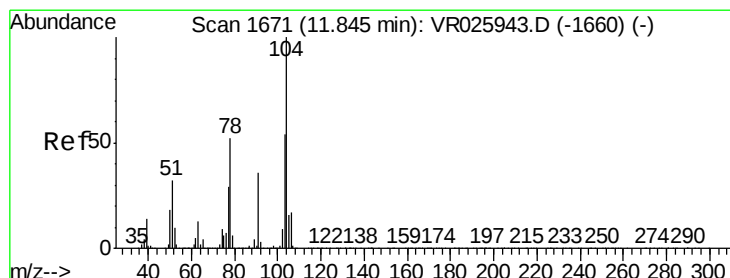
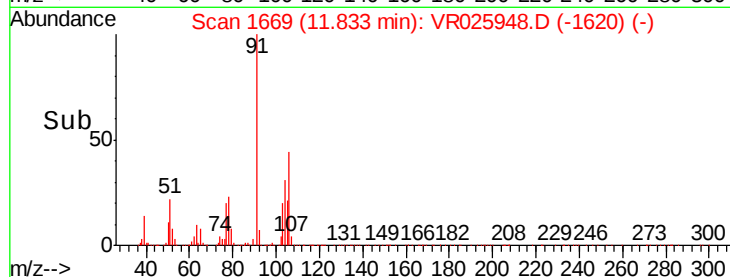
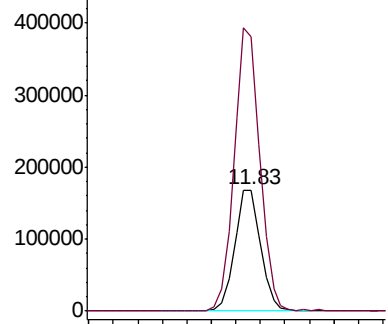
#54
o-Xylene
Concen: 4.690 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Instrument :
MSVOA_R
ClientSampleId :
VSTD00599

Tgt Ion:106 Resp: 248319
Ion Ratio Lower Upper
106 100
91 225.9 164.5 305.5

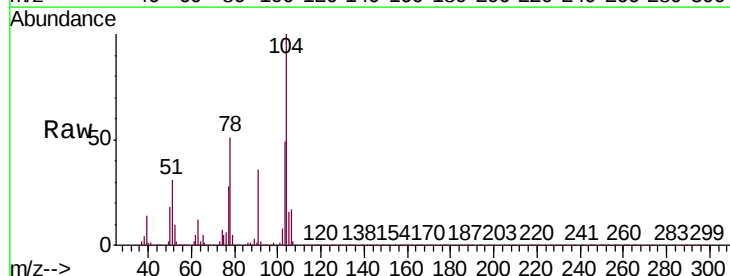


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VR0

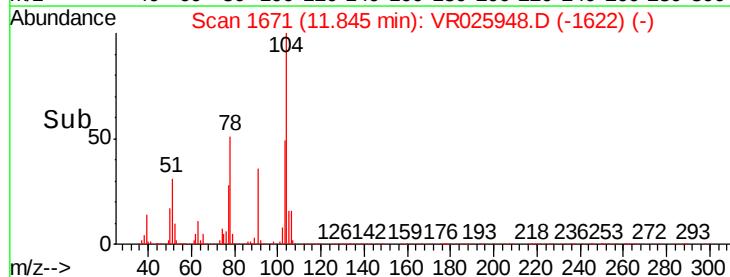
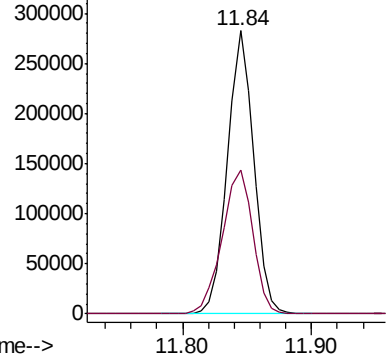


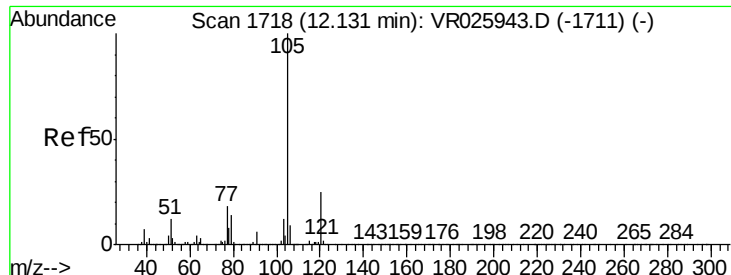
#55
Styrene
Concen: 4.824 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025948.D
Acq: 4 Oct 2018 20:20

Tgt Ion:104 Resp: 397536
Ion Ratio Lower Upper
104 100
78 50.8 39.3 72.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 4.796 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

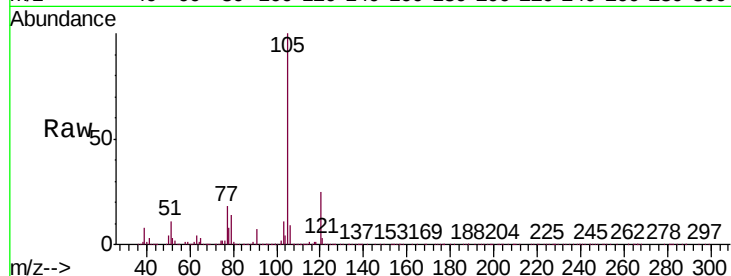
Tgt Ion: 105 Resp: 700377

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

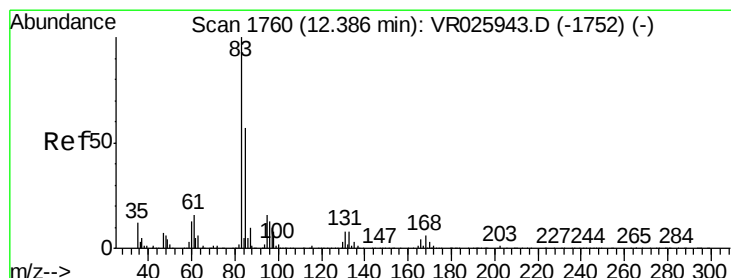
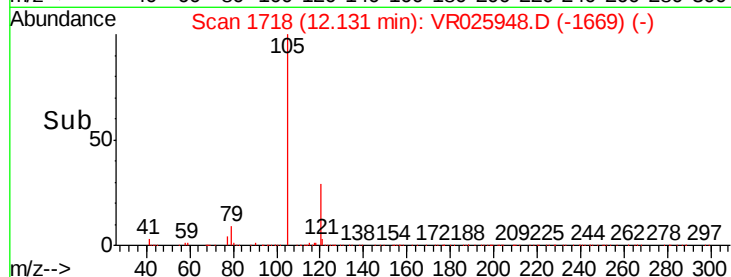
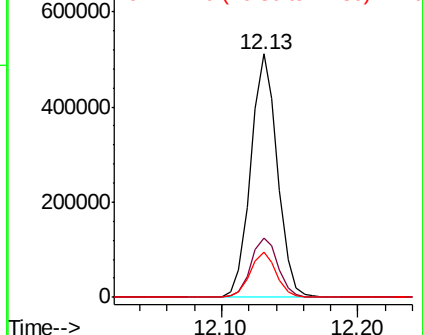
77 18.3 15.5 23.3



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.822 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

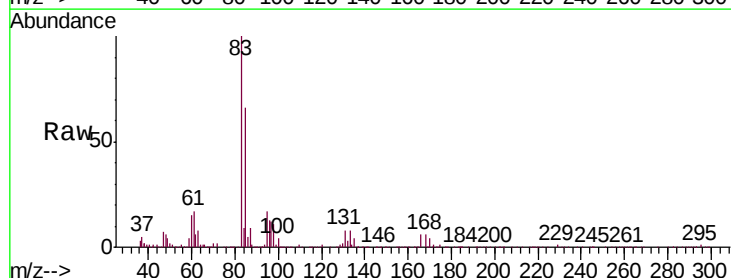
Tgt Ion: 83 Resp: 60733

Ion Ratio Lower Upper

83 100

85 66.1 45.8 85.0

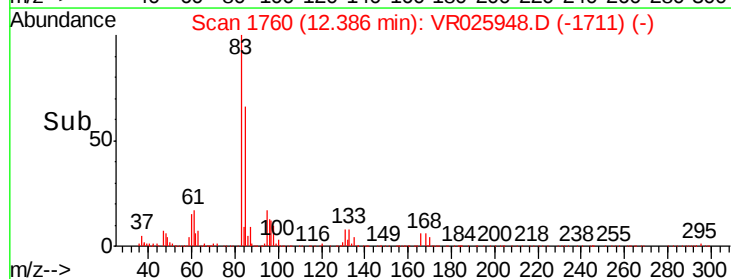
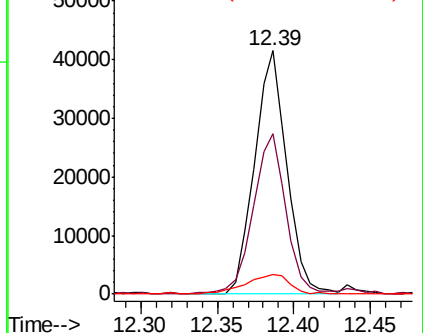
131 8.0 6.6 9.8

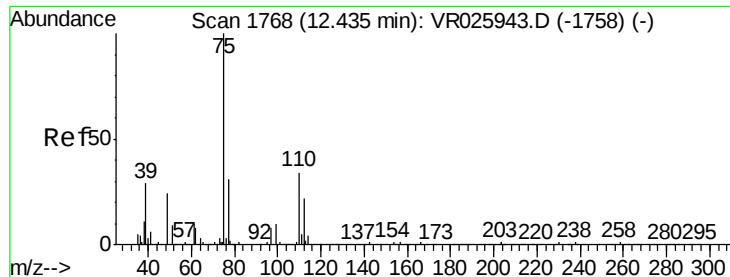


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.776 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

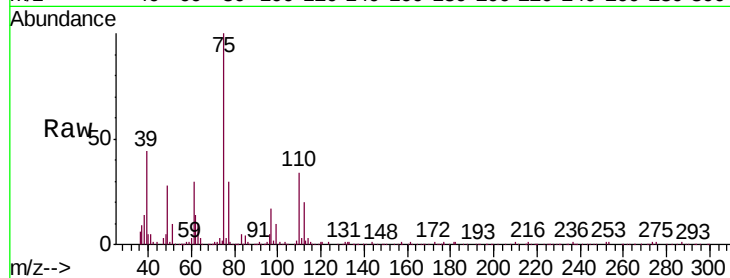
VSTD00599

Tgt Ion: 75 Resp: 44769

Ion Ratio Lower Upper

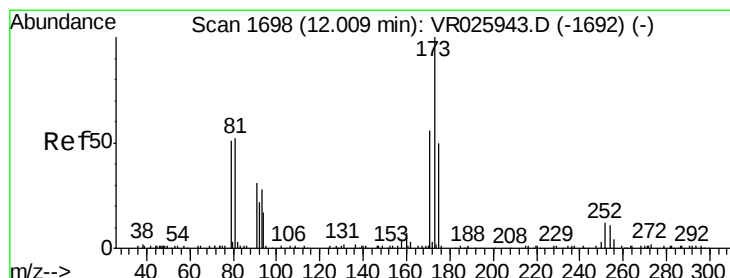
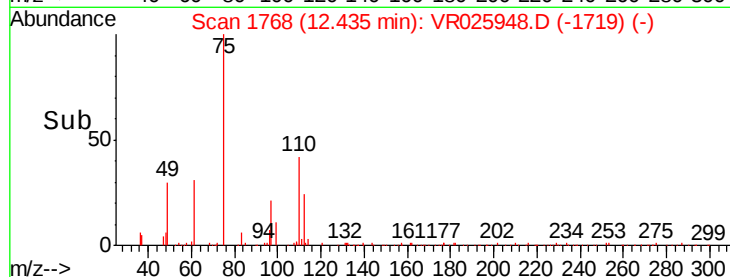
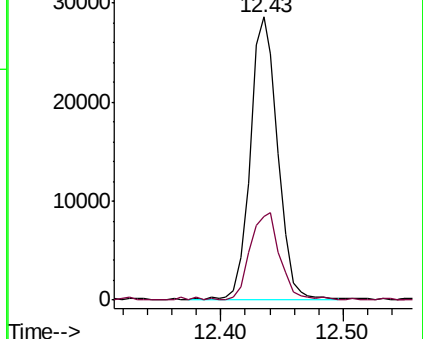
75 100

77 33.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 4.857 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

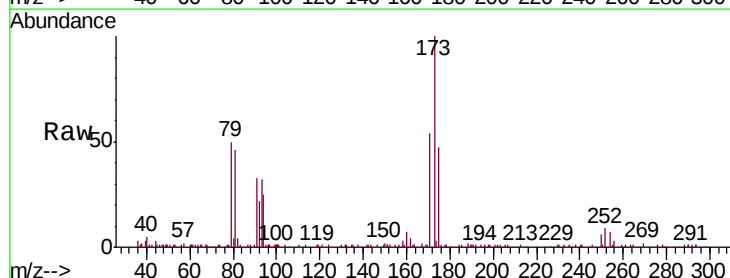
Tgt Ion: 173 Resp: 22732

Ion Ratio Lower Upper

173 100

175 45.4 36.9 55.3

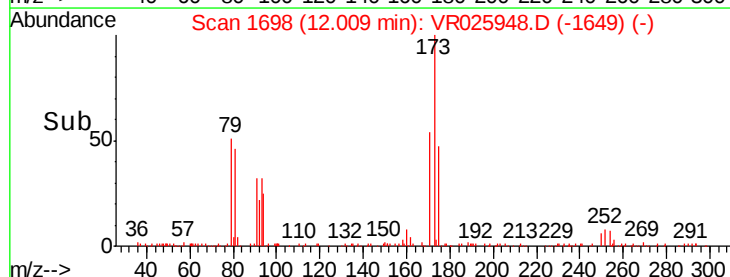
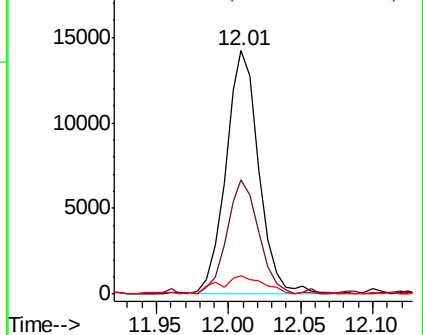
254 9.9 6.6 10.0

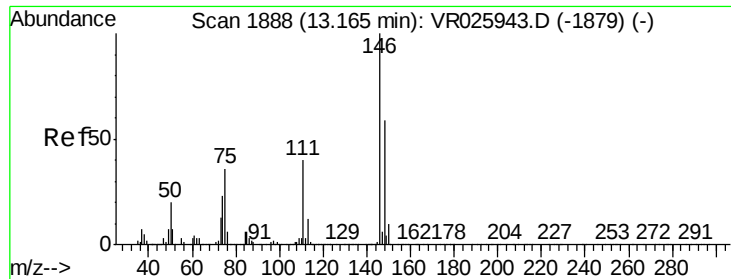


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

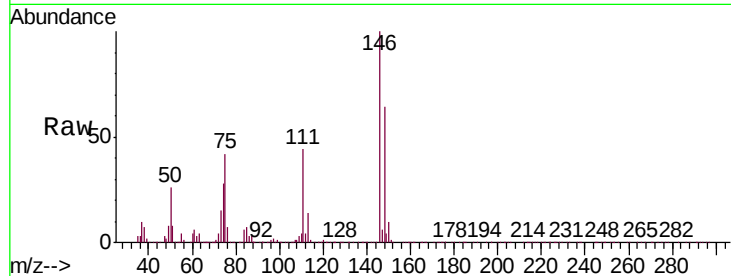




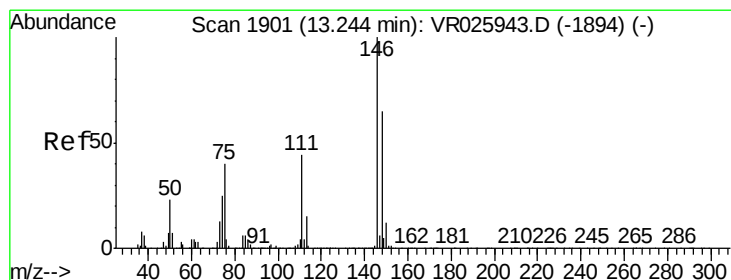
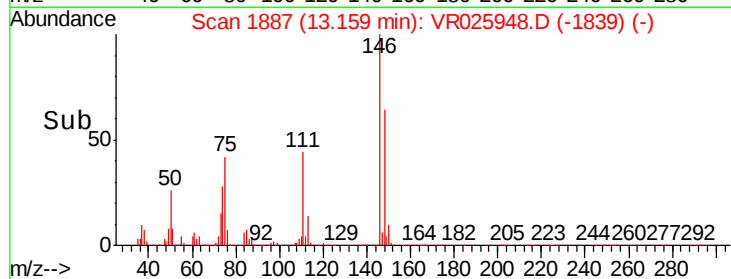
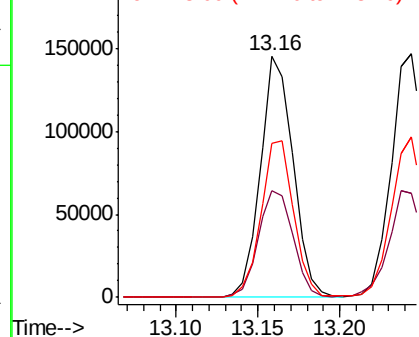
#62
 1,3-Dichlorobenzene
 Concen: 4.481 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.01 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	36.6	68.0
148	63.8	41.9	77.7

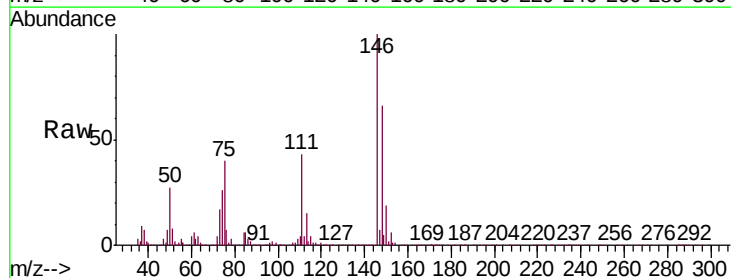


Abundance Ion 145.95 (145.65 to 146.65): V
 200000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

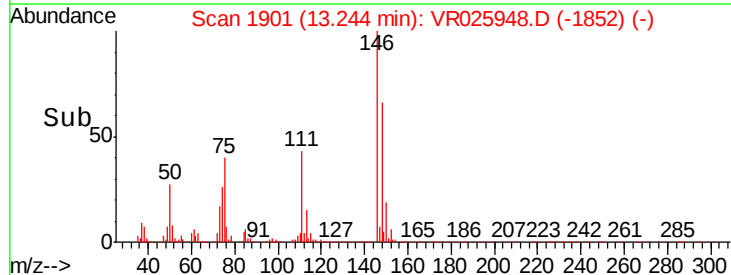
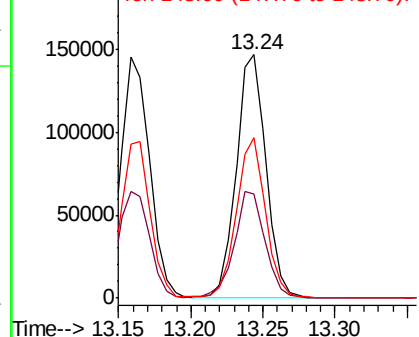


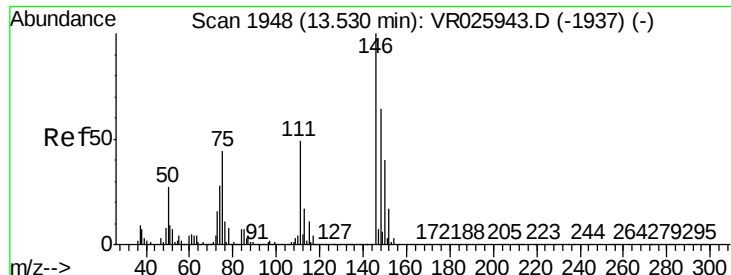
#63
 1,4-Dichlorobenzene
 Concen: 4.556 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	32.9	61.1
148	66.1	45.5	84.5



Abundance Ion 145.95 (145.65 to 146.65): V
 200000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

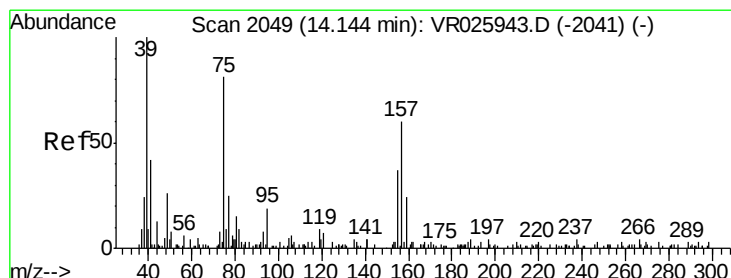
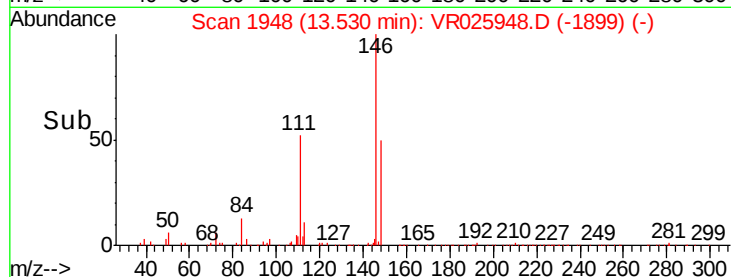
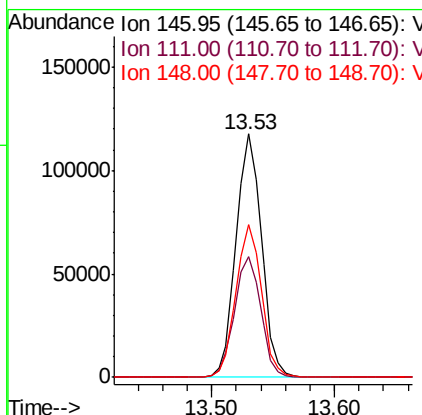
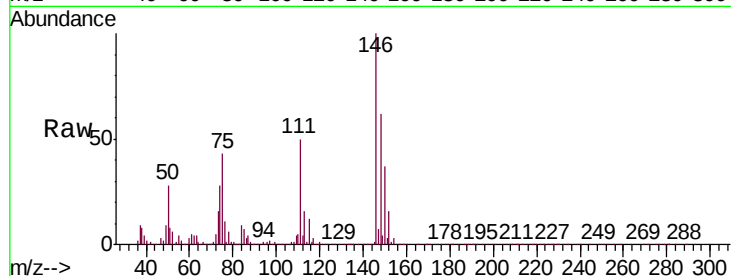




#65
 1,2-Dichlorobenzene
 Concen: 4.653 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

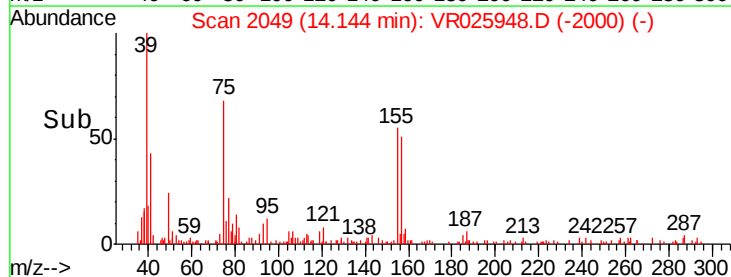
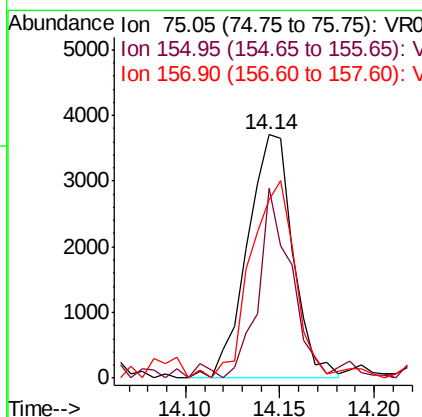
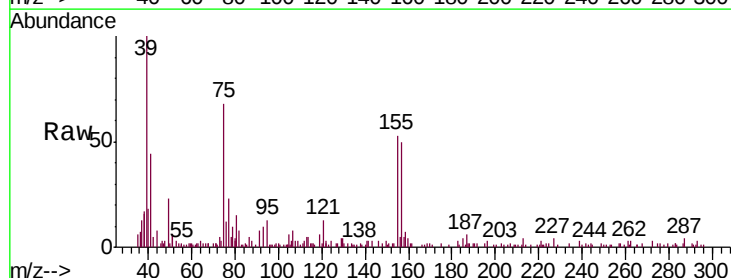
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00599

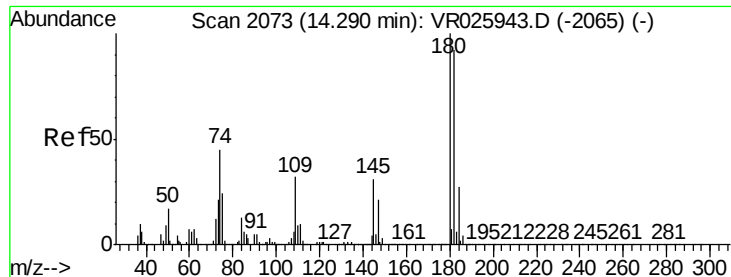
Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.7	39.4	59.0
148	62.5	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.048 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.8	56.6#
157	73.2	49.7	74.5

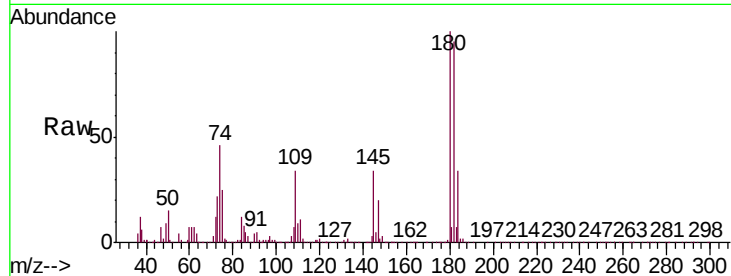




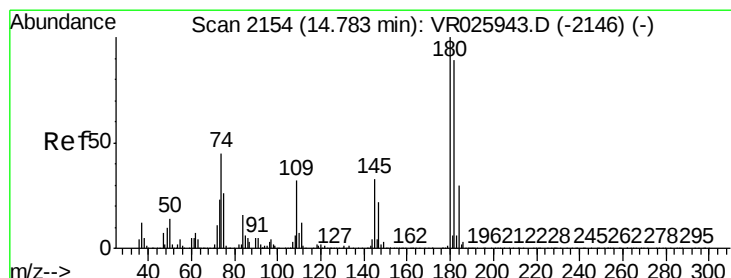
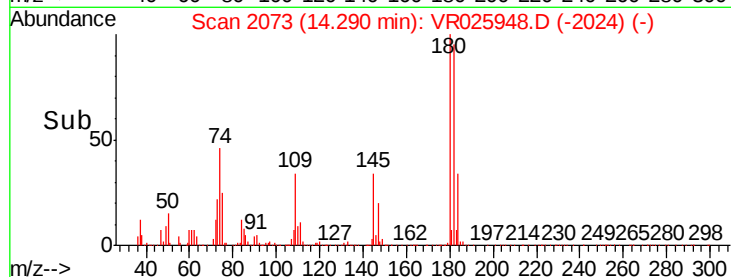
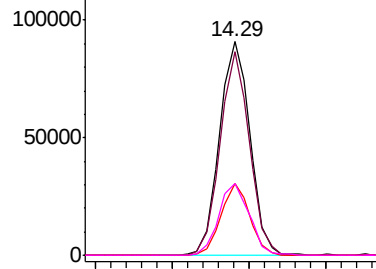
#67
 1,3,5-Trichlorobenzene
 Concen: 4.670 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00599

Tgt Ion:	180	Resp:	125856
Ion Ratio	Lower	Upper	
180	100		
182	91.6	77.2	115.8
184	31.8	24.5	36.7
145	33.7	31.1	46.7

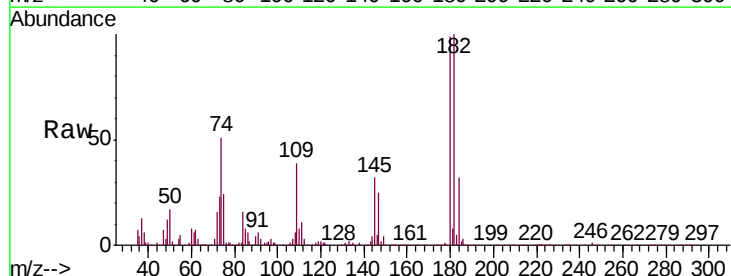


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

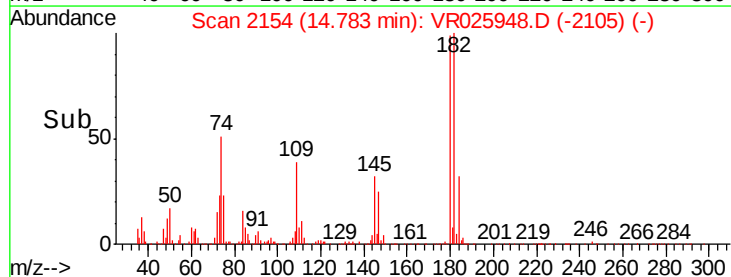
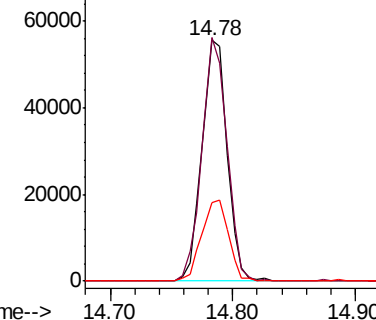


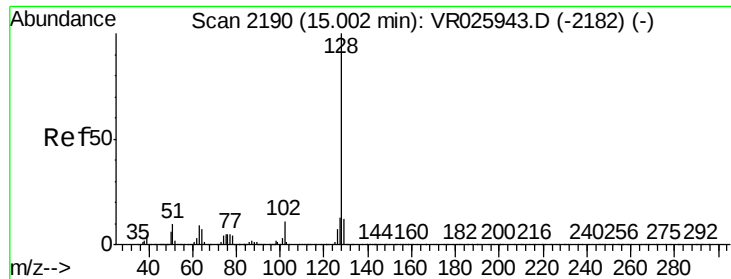
#68
 1,2,4-trichlorobenzene
 Concen: 4.557 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025948.D
 Acq: 4 Oct 2018 20:20

Tgt Ion:	180	Resp:	78293
Ion Ratio	Lower	Upper	
180	100		
182	100.9	75.2	112.8
145	36.2	30.5	45.7



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: 4.532 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

Instrument :

MSVOA_R

ClientSampleId :

VSTD00599

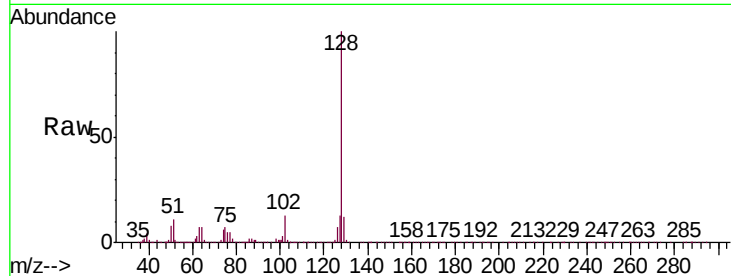
Tgt Ion:128 Resp: 99358

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

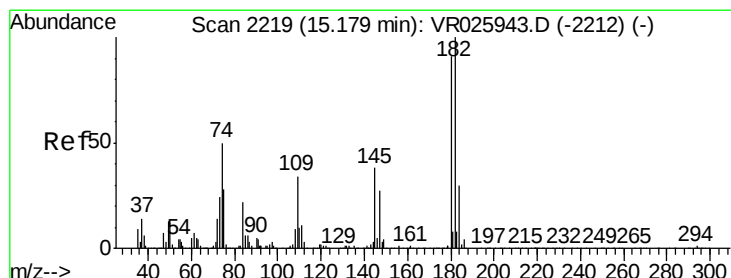
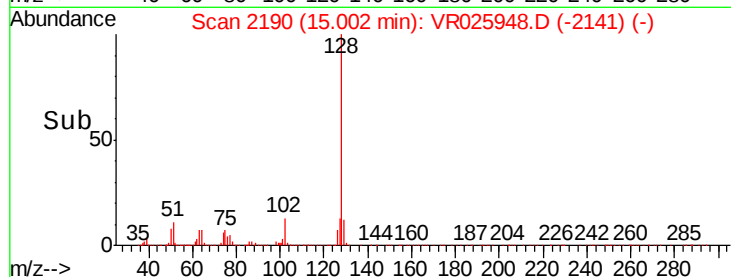
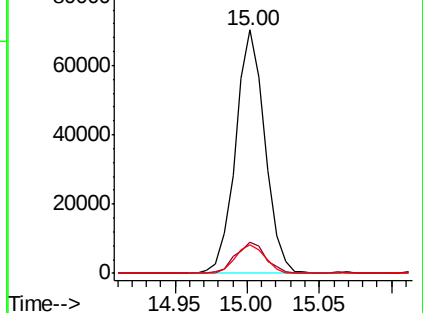
129 12.1 9.4 14.2



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: 4.792 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025948.D

Acq: 4 Oct 2018 20:20

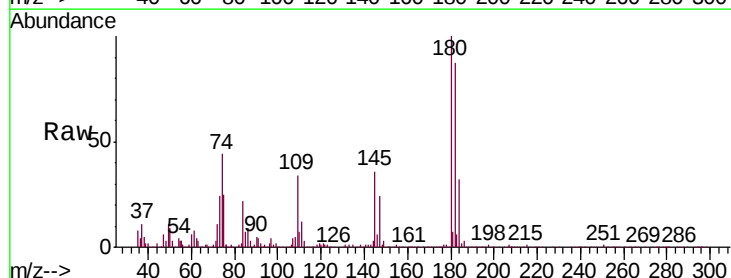
Tgt Ion:180 Resp: 57120

Ion Ratio Lower Upper

180 100

182 92.7 74.7 112.1

145 38.0 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

