

Data File : VR026354.D
Acq On : 21 Feb 2019 10:43
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Quant Time: Feb 22 06:16:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 21 07:38:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	646799	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	531462	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	208510	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	2.63	69	183727	4.12	ug/L	0.00
Spiked Amount	7.000	Range	65 - 130	Recovery	=	58.86%#
11) 1,1-Dichloroethene-d2	3.61	63	548517	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	6.58	46	183727	47.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	7.20	84	423609	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.89	65	157985	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	7.85	84	817658	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.89	67	205315	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	9.97	98	780908	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	10.23	79	52703	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	158130	54.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.80%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81299	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	153017	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	236307	4.929 ug/L	97
3) Chloromethane	2.01	50	272668	4.313 ug/L	99
5) Vinyl chloride	2.17	62	270791	4.450 ug/L	97
6) Bromomethane	2.52	94	164721	4.030 ug/L	93
8) Chloroethane	2.66	64	163091	4.274 ug/L	98
9) Trichlorofluoromethane	2.94	101	185073	1.895 ug/L #	47
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	246100	4.761 ug/L	98
12) 1,1-Dichloroethene	3.62	96	253785	4.560 ug/L	97
13) Acetone	3.69	43	176499	43.154 ug/L	97
14) Carbon disulfide	3.93	76	760435	4.398 ug/L	98
15) Methyl Acetate	4.20	43	46063	4.071 ug/L	100
16) Methylene chloride	4.40	84	208840	4.003 ug/L	92
17) Methyl tert-butyl Ether	4.89	73	238649	4.334 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	238321	4.597 ug/L	96
19) 1,1-Dichloroethane	5.69	63	417639	4.616 ug/L	98
21) 2-Butanone	6.68	43	217132	44.829 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	214852	4.883 ug/L #	92

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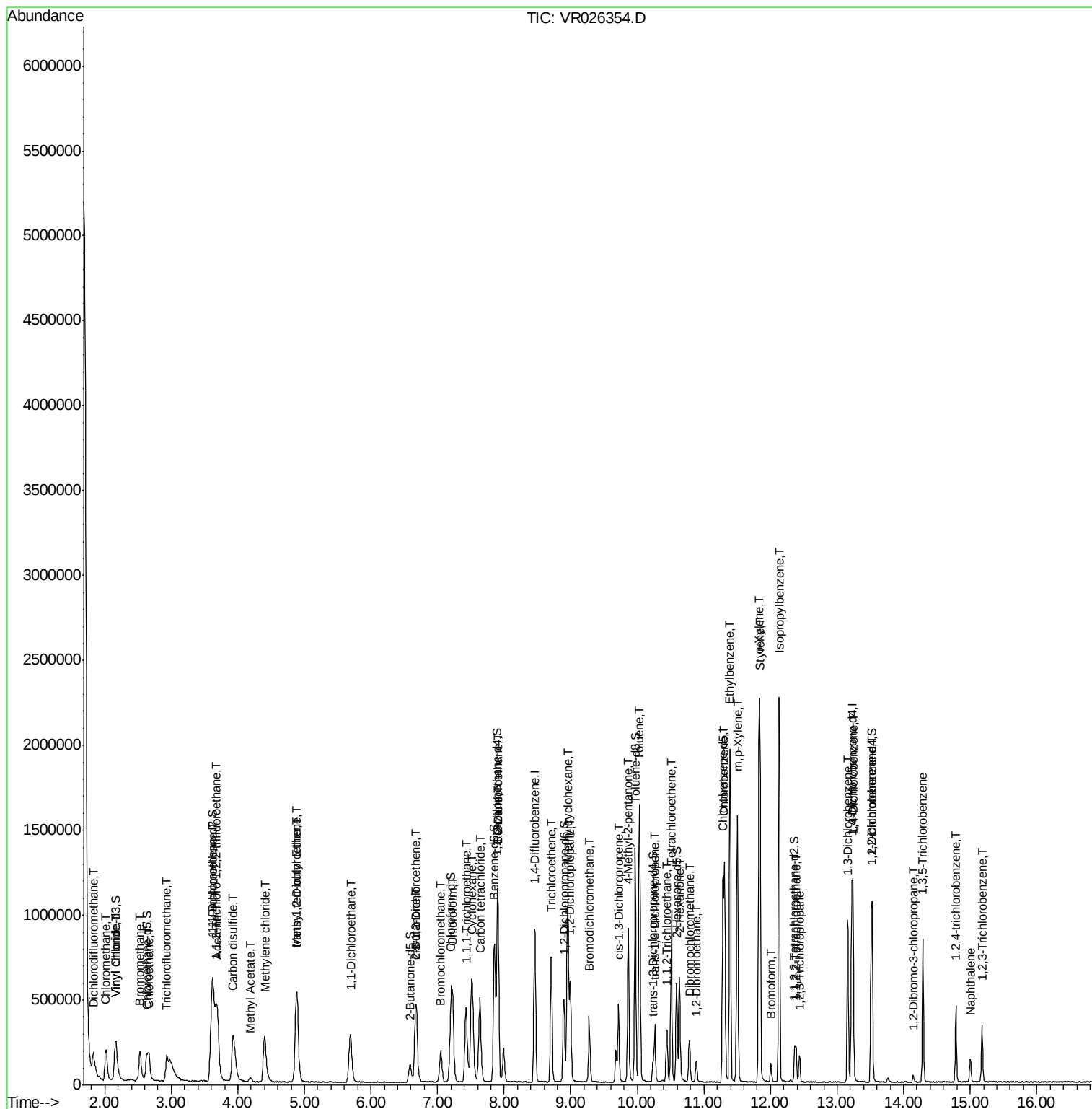
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	61991	4.569	ug/L	99
25) Chloroform	7.23	83	405628	4.555	ug/L	99
27) 1,2-Dichloroethane	7.90	62	9312	0.233	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	378793	4.834	ug/L	99
30) Cyclohexane	7.51	56	350394	5.758	ug/L	99
31) Carbon tetrachloride	7.63	117	355766	4.960	ug/L	98
33) Benzene	7.90	78	955341	4.997	ug/L	100
34) Trichloroethene	8.71	95	240933	4.958	ug/L	96
35) Methylcyclohexane	8.95	83	377840	5.861	ug/L	99
37) 1,2-Dichloropropane	8.99	63	200479	4.799	ug/L	98
38) Bromodichloromethane	9.28	83	221621	4.719	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	223415	5.068	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	547266	50.193	ug/L	98
42) Toluene	10.03	91	1024786	5.264	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	157882	4.842	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	82398	4.623	ug/L	98
47) Tetrachloroethene	10.51	164	187760	5.209	ug/L	98
48) 2-Hexanone	10.63	43	365221	48.749	ug/L	99
49) Dibromochloromethane	10.79	129	109104	4.684	ug/L	99
50) 1,2-Dibromoethane	10.89	107	69230	4.745	ug/L #	97
51) Chlorobenzene	11.32	112	556359	4.887	ug/L	94
52) Ethylbenzene	11.39	91	1200405	5.542	ug/L	99
53) m,p-Xylene	11.50	106	443119	5.607	ug/L	99
54) o-Xylene	11.83	106	385298	5.569	ug/L	97
55) Styrene	11.84	104	591916	5.403	ug/L	98
56) Isopropylbenzene	12.13	105	1144019	5.872	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	78641	4.651	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	55584	4.592	ug/L	98
61) Bromoform	12.00	173	41136	4.259	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	312460	4.936	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	352193	4.791	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	264743	4.836	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8157	3.901	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	199543	4.825	ug/L	95
68) 1,2,4-trichlorobenzene	14.79	180	106642	4.748	ug/L	95
69) Naphthalene	15.00	128	90641	4.247	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	83142	4.849	ug/L	99

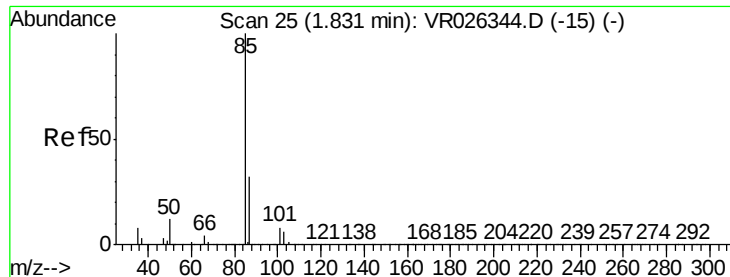
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.929 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

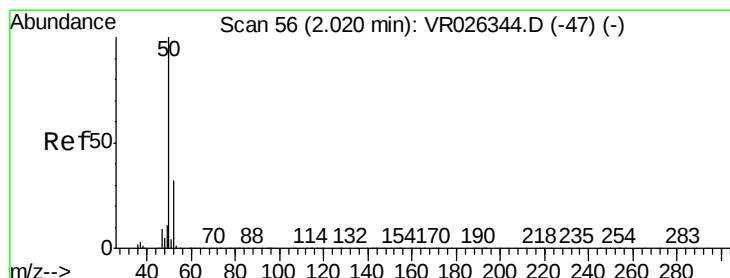
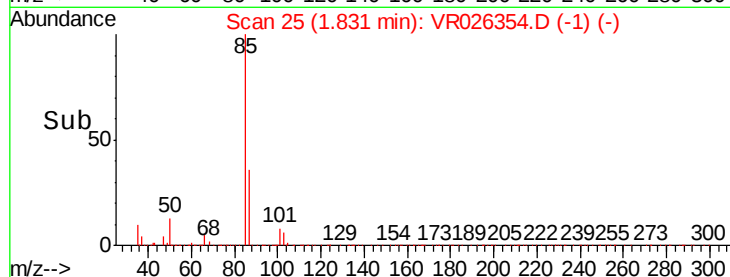
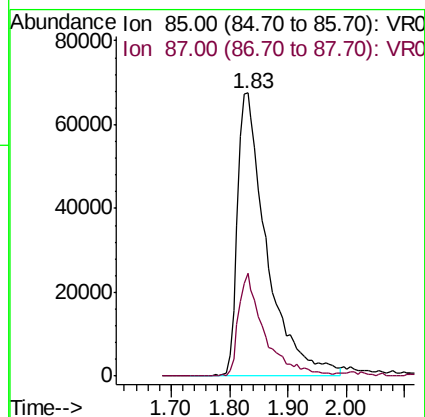
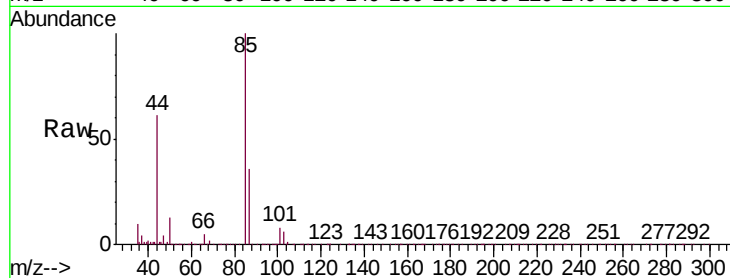
VSTD00598

Tgt Ion: 85 Resp: 236307

Ion Ratio Lower Upper

85 100

87 32.1 26.9 40.3



#3

Chloromethane

Concen: 4.313 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026354.D

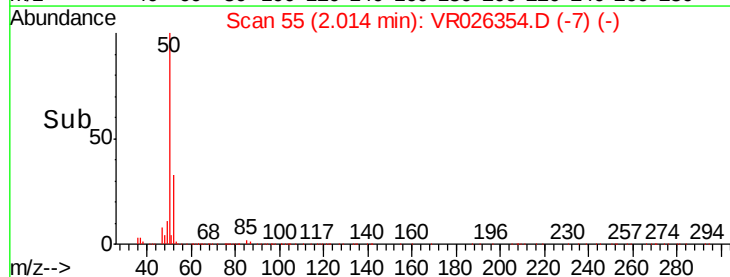
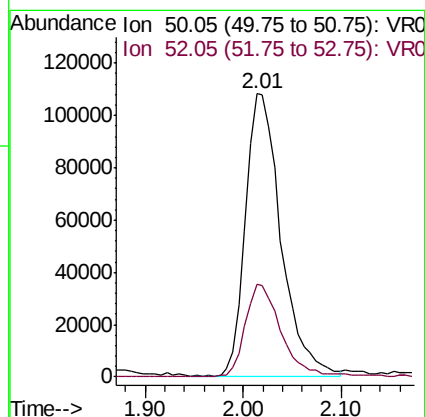
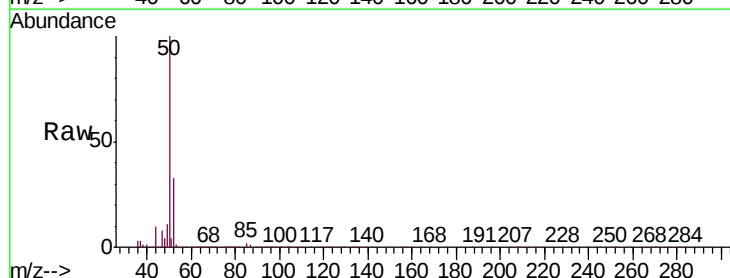
Acq: 21 Feb 2019 10:43

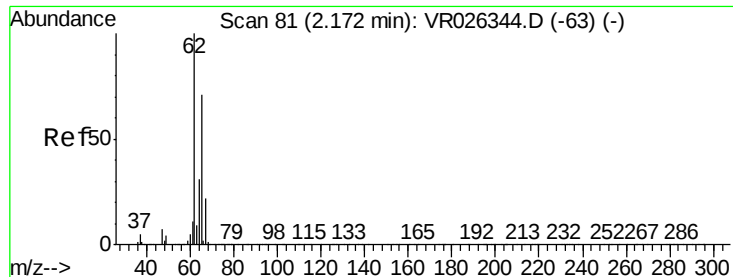
Tgt Ion: 50 Resp: 272668

Ion Ratio Lower Upper

50 100

52 32.8 23.5 43.7





#5

Vinyl chloride

Concen: 4.450 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

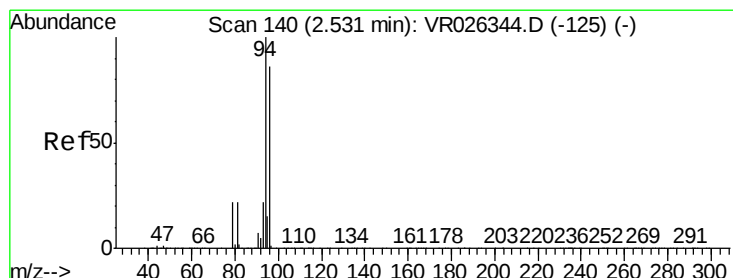
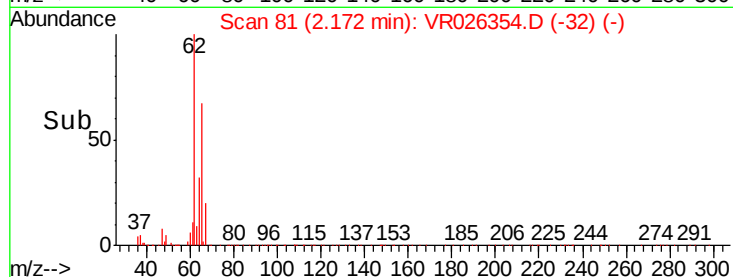
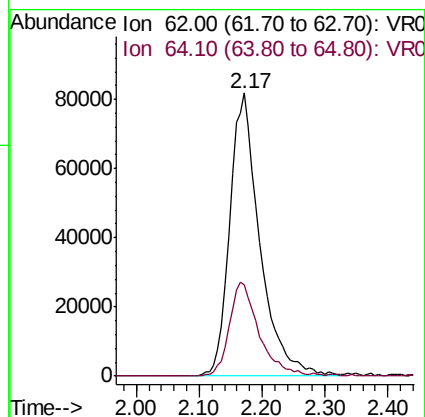
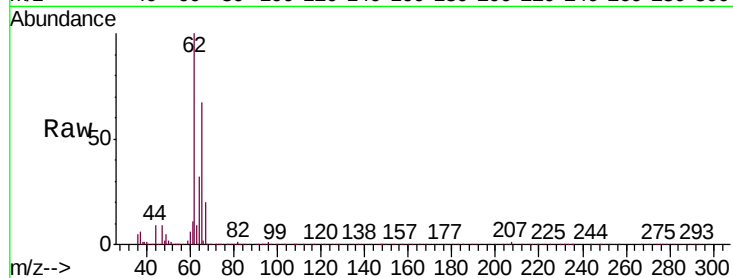
VSTD00598

Tgt Ion: 62 Resp: 270791

Ion Ratio Lower Upper

62 100

64 32.4 21.6 40.2



#6

Bromomethane

Concen: 4.030 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026354.D

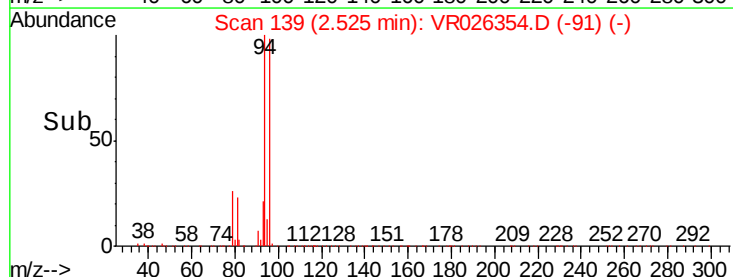
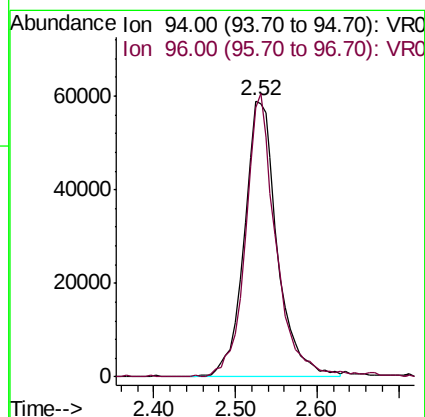
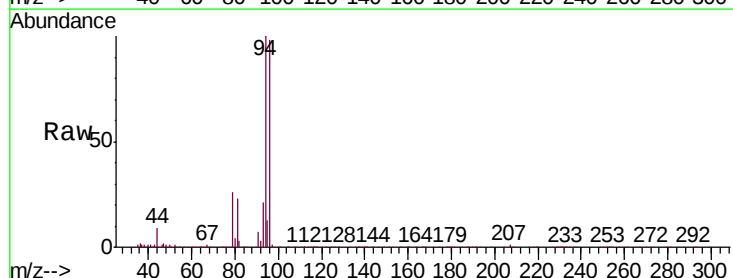
Acq: 21 Feb 2019 10:43

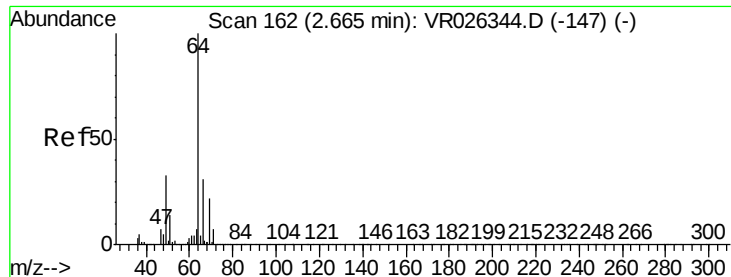
Tgt Ion: 94 Resp: 164721

Ion Ratio Lower Upper

94 100

96 97.6 63.8 118.4





#8

Chloroethane

Concen: 4.274 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

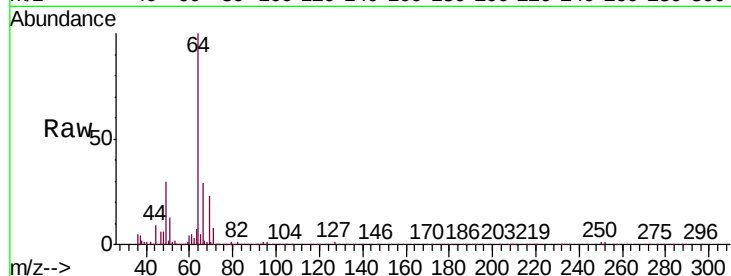
VSTD00598

Tgt Ion: 64 Resp: 163091

Ion Ratio Lower Upper

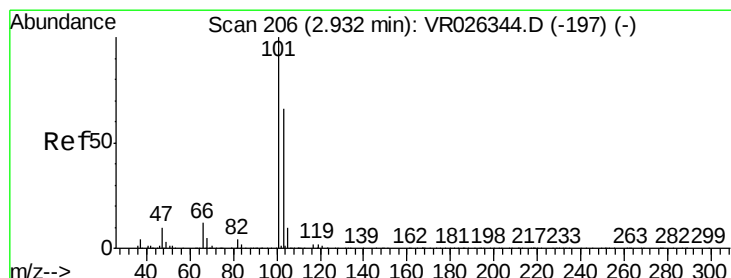
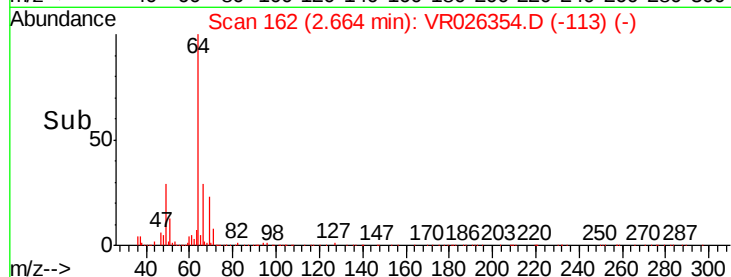
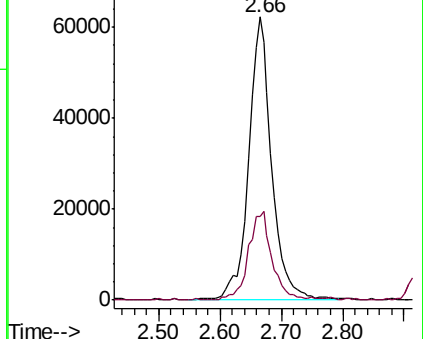
64 100

66 29.5 21.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 1.895 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026354.D

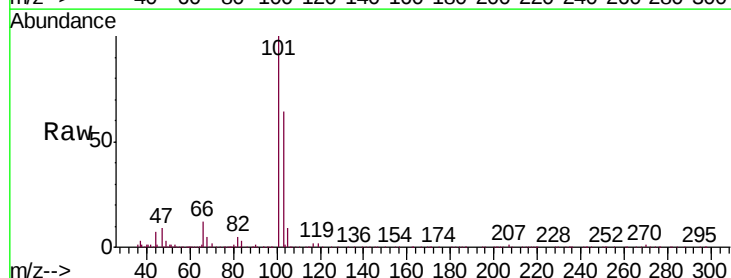
Acq: 21 Feb 2019 10:43

Tgt Ion: 101 Resp: 185073

Ion Ratio Lower Upper

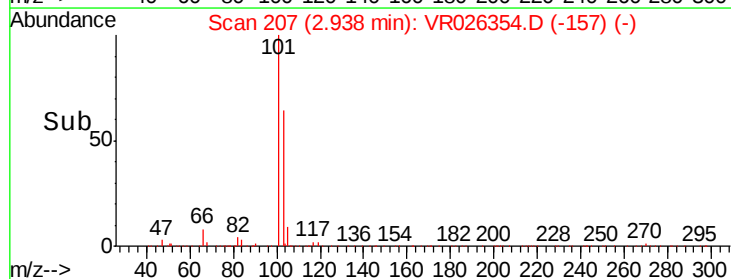
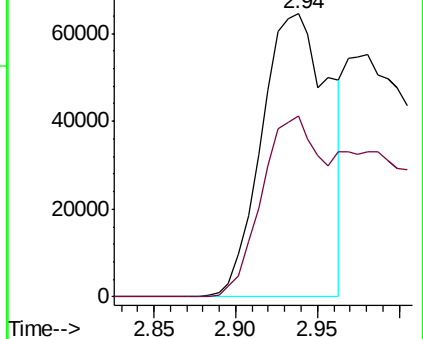
101 100

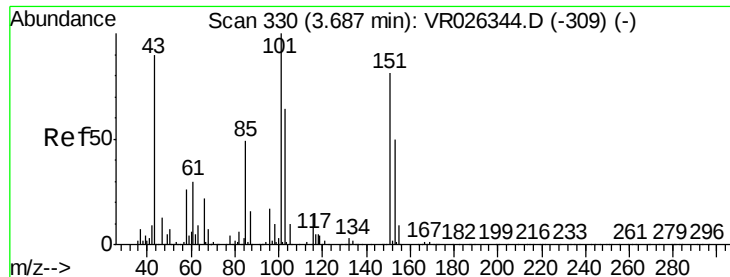
103 57.0 22.9 34.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.761 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

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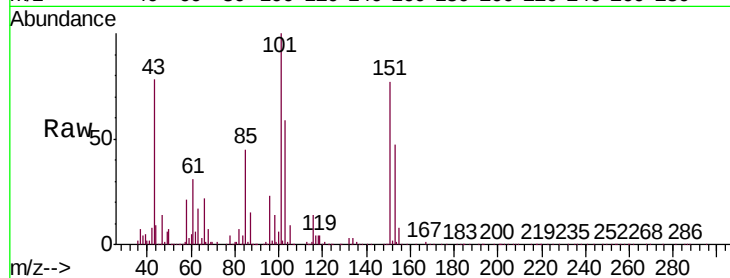
Tgt Ion: 101 Resp: 246100

Ion Ratio Lower Upper

101 100

85 47.9 37.3 55.9

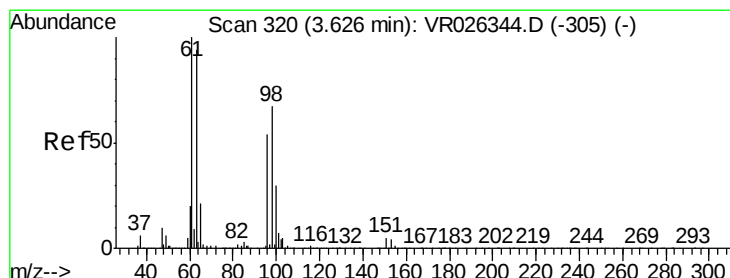
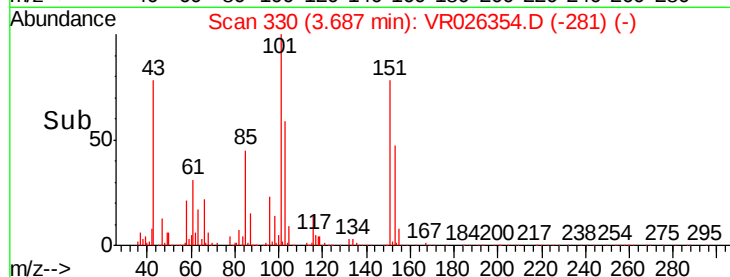
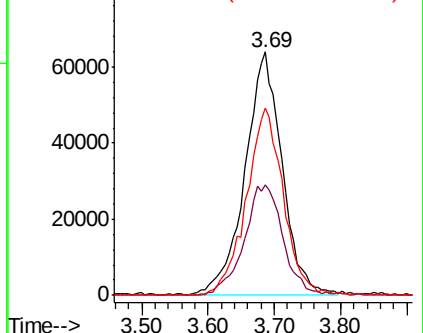
151 77.6 60.4 90.6



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: 4.560 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

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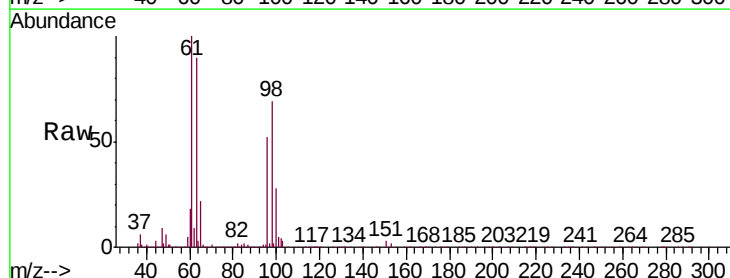
Tgt Ion: 96 Resp: 253785

Ion Ratio Lower Upper

96 100

61 191.9 134.5 249.9

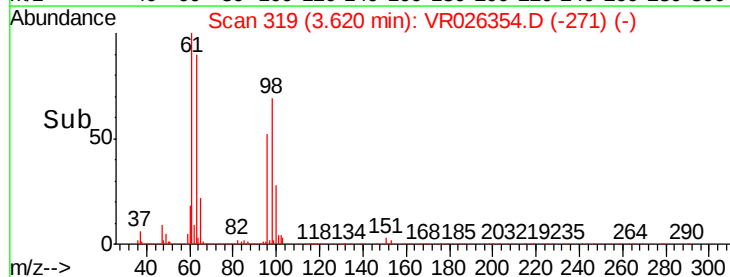
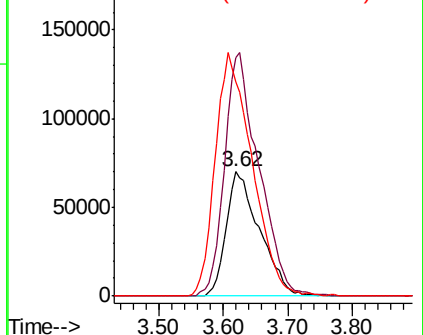
63 173.1 115.5 214.5

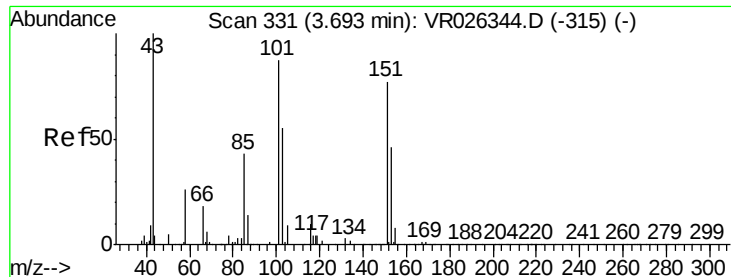


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 43.154 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

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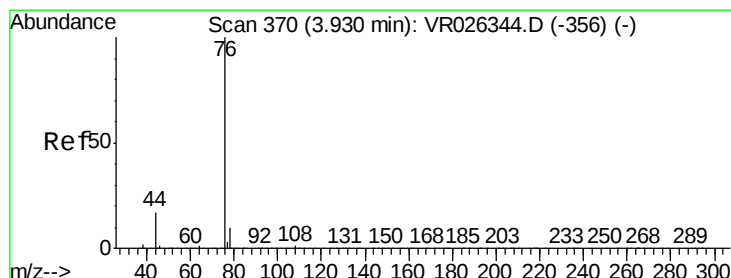
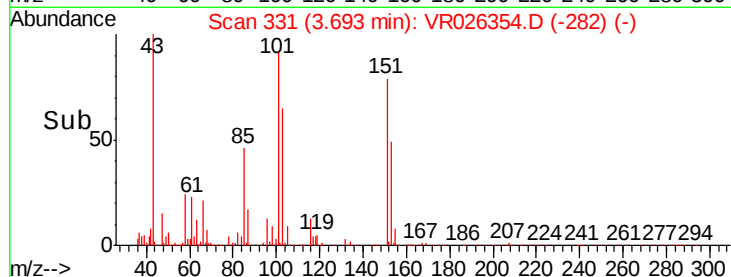
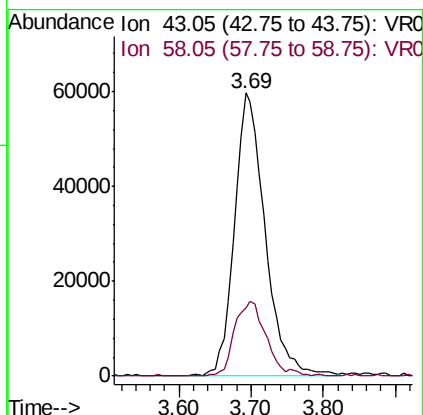
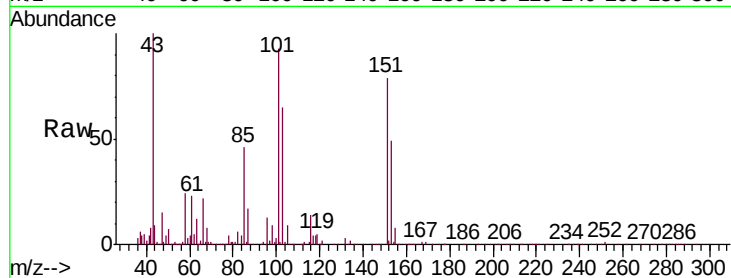
VSTD00598

Tgt Ion: 43 Resp: 176499

Ion Ratio Lower Upper

43 100

58 27.4 0.0 58.0



#14

Carbon disulfide

Concen: 4.398 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

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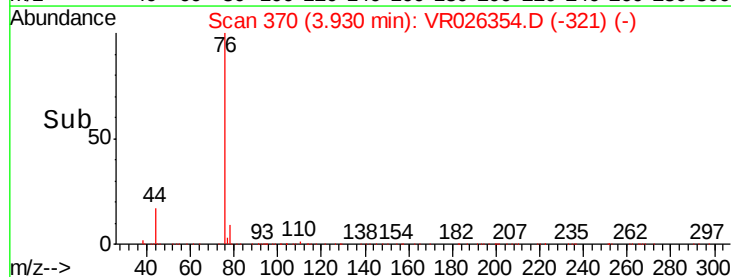
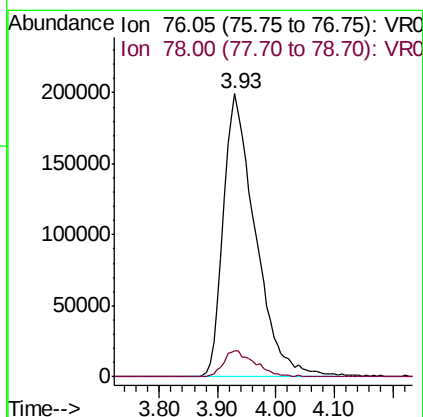
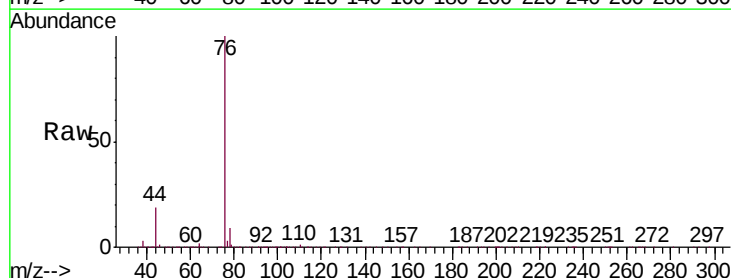
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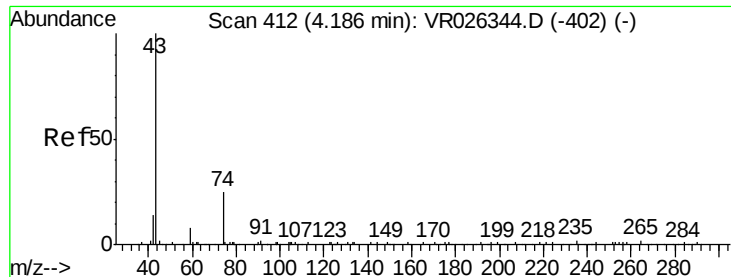
Tgt Ion: 76 Resp: 760435

Ion Ratio Lower Upper

76 100

78 9.0 6.7 10.1

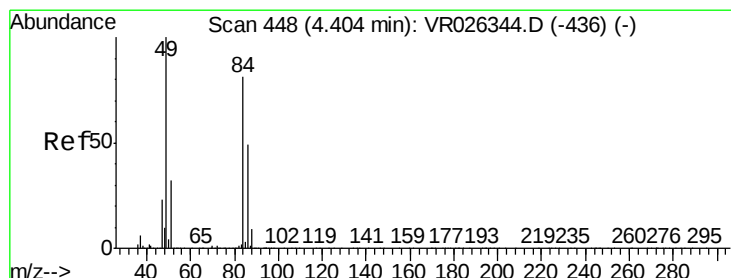
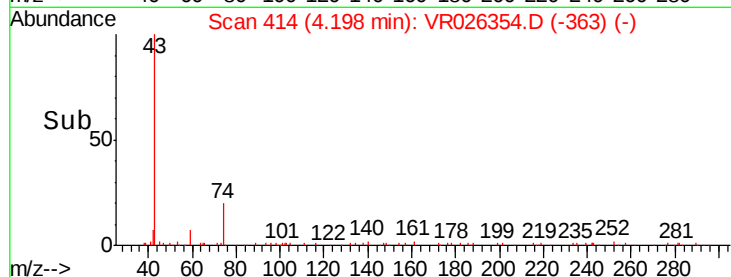
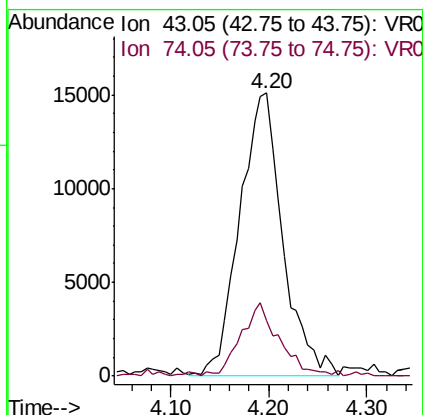
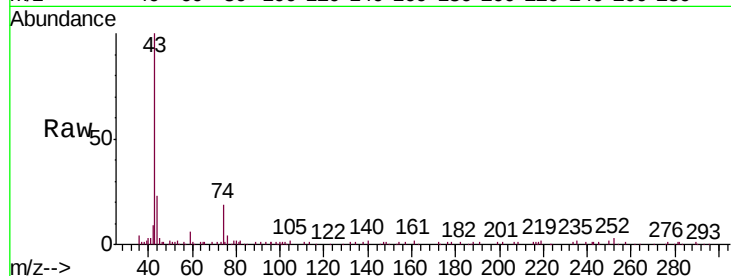




#15
Methyl Acetate
Concen: 4.071 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

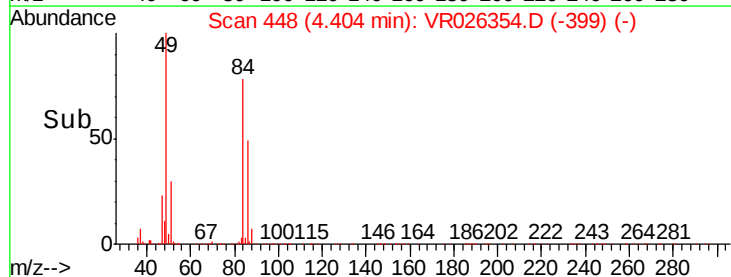
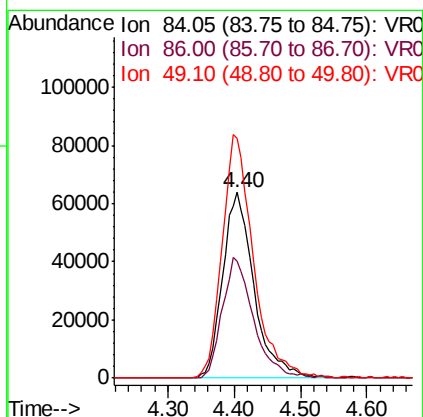
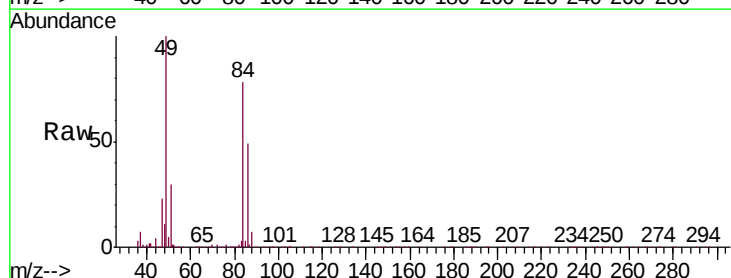
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

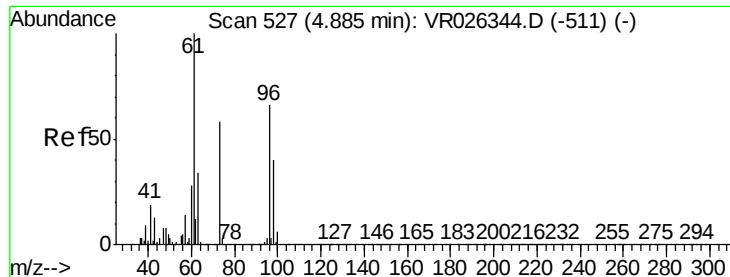
Tgt Ion: 43 Resp: 46063
Ion Ratio Lower Upper
43 100
74 23.3 18.6 28.0



#16
Methylene chloride
Concen: 4.003 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion: 84 Resp: 208840
Ion Ratio Lower Upper
84 100
86 63.2 41.9 77.7
49 128.6 82.2 152.6



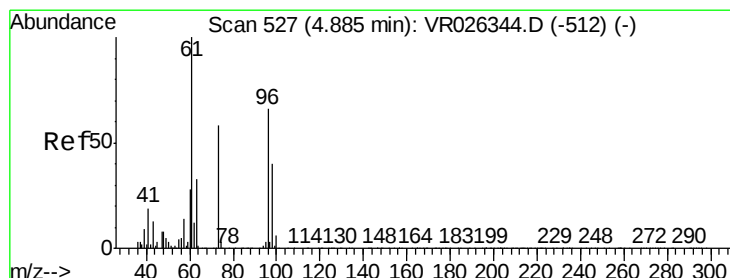
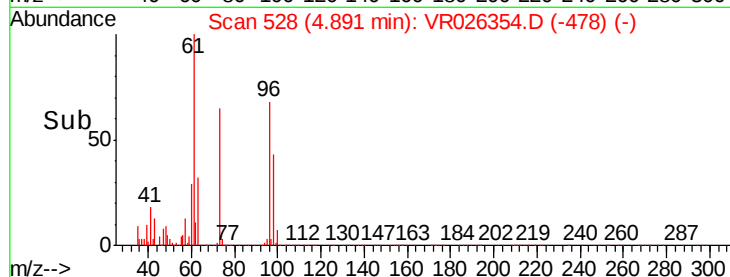
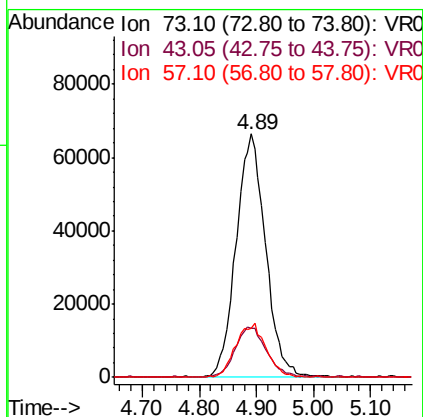
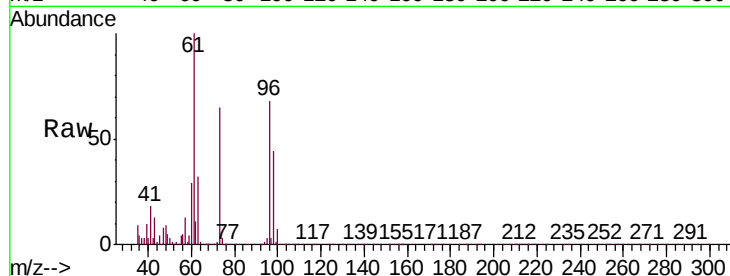


#17

Methyl tert-butyl Ether
 Concen: 4.334 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

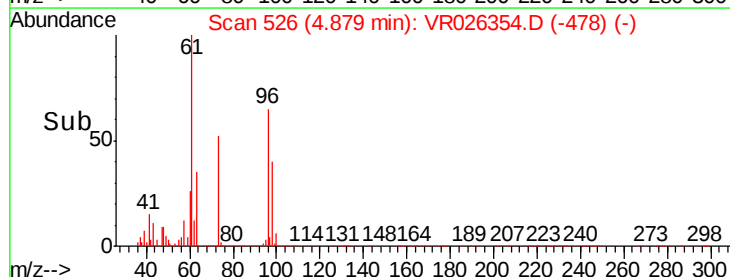
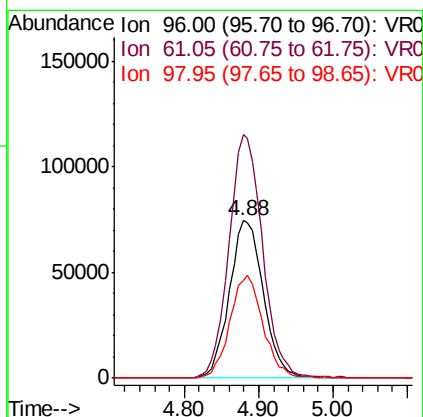
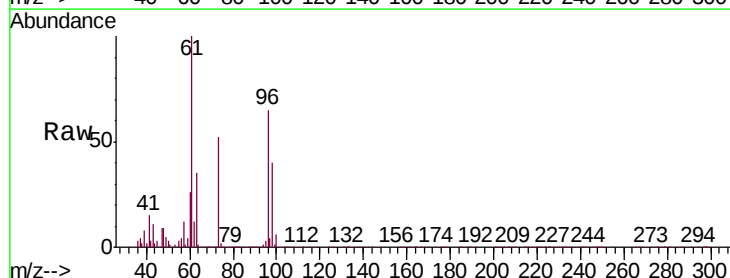
Tgt Ion:	73	Resp:	238649
Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.2	27.2
57	22.9	17.9	26.9

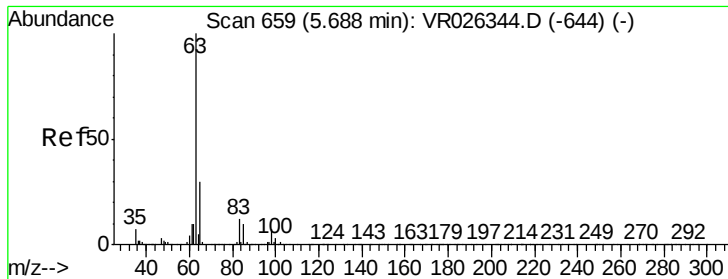


#18

trans-1,2-Dichloroethene
 Concen: 4.597 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion:	96	Resp:	238321
Ion	Ratio	Lower	Upper
96	100		
61	154.4	103.4	192.0
98	61.9	44.0	81.6

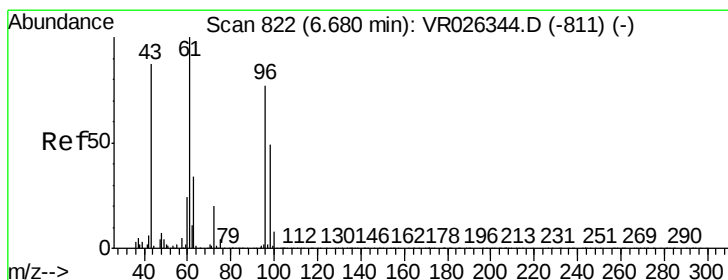
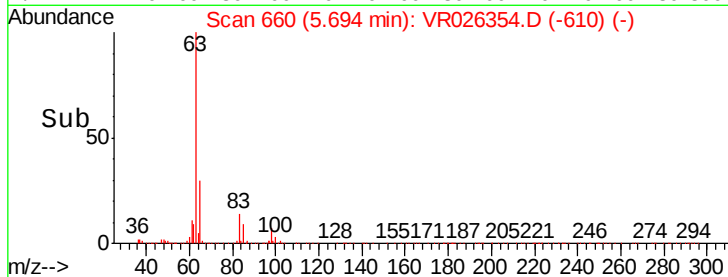
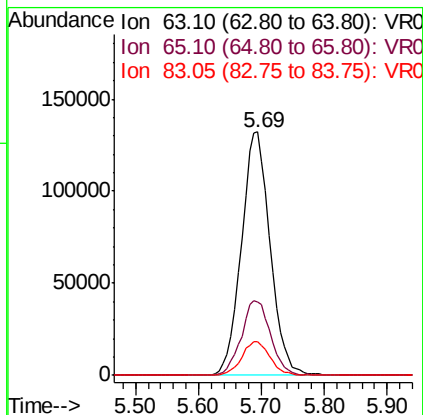
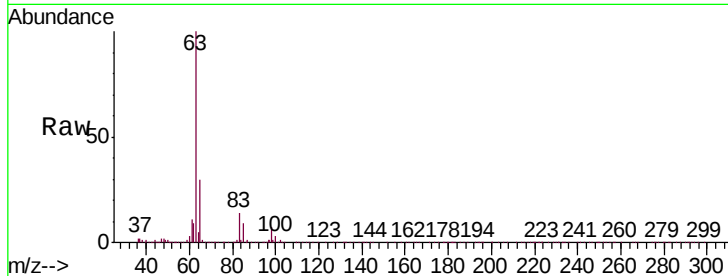




#19
 1,1-Dichloroethane
 Concen: 4.616 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

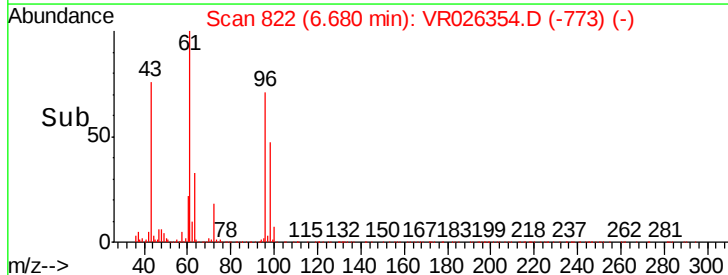
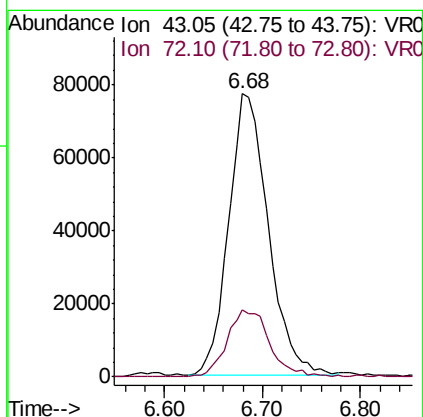
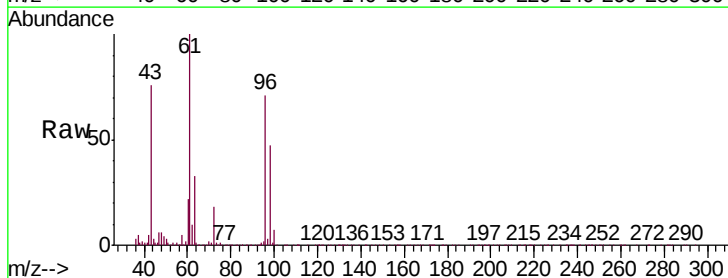
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

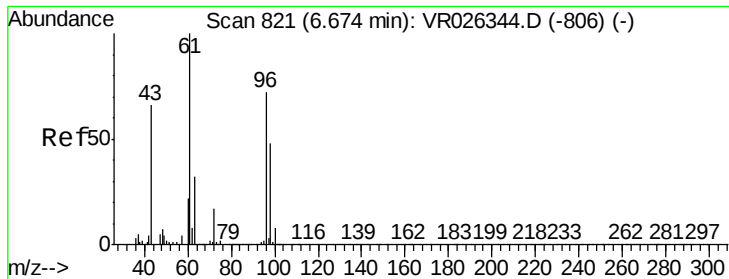
Tgt Ion: 63 Resp: 417639
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.6 40.0
 83 14.0 8.4 15.6



#21
 2-Butanone
 Concen: 44.829 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion: 43 Resp: 217132
 Ion Ratio Lower Upper
 43 100
 72 25.6 12.0 36.1



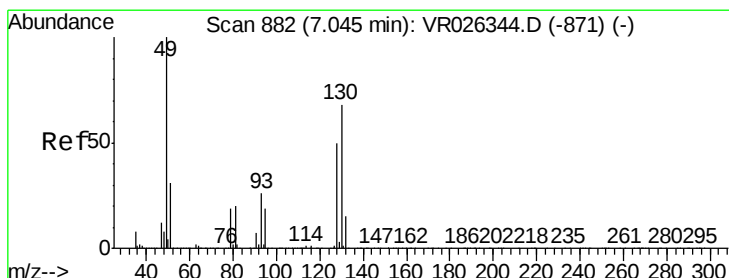
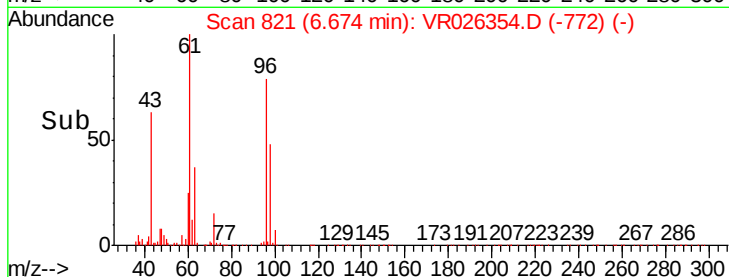
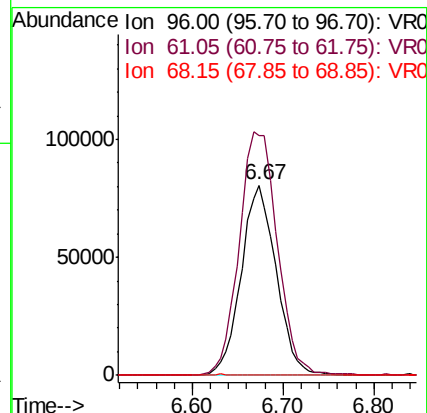
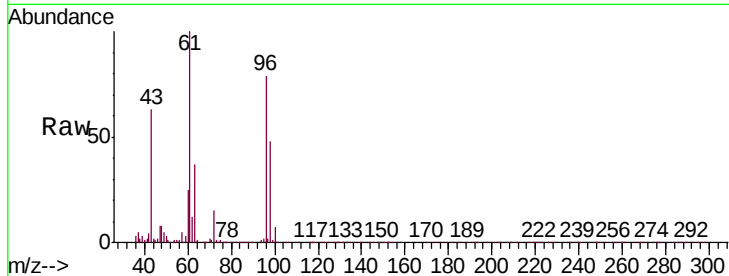


#22

cis-1,2-Dichloroethene
Concen: 4.883 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

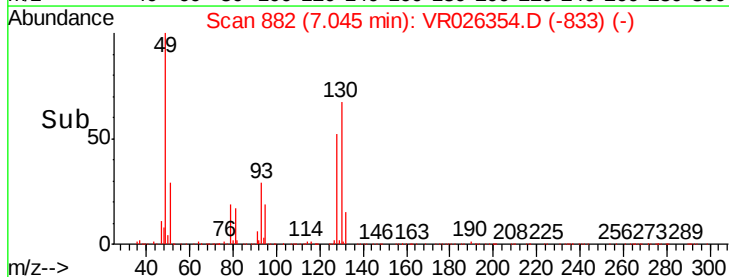
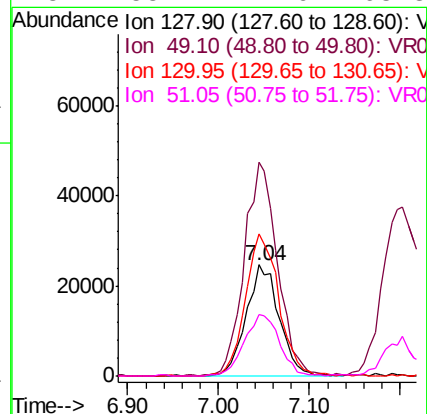
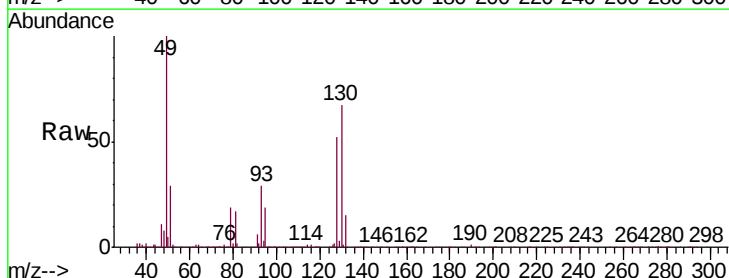
Tgt Ion: 96 Resp: 214852
Ion Ratio Lower Upper
96 100
61 126.0 95.1 176.7
68 0.4 0.1 0.3#

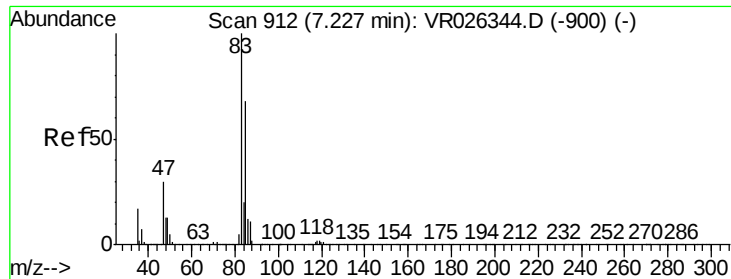


#23

Bromochloromethane
Concen: 4.569 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion: 128 Resp: 61991
Ion Ratio Lower Upper
128 100
49 192.2 134.7 250.1
130 128.3 90.1 167.3
51 55.1 42.6 63.8

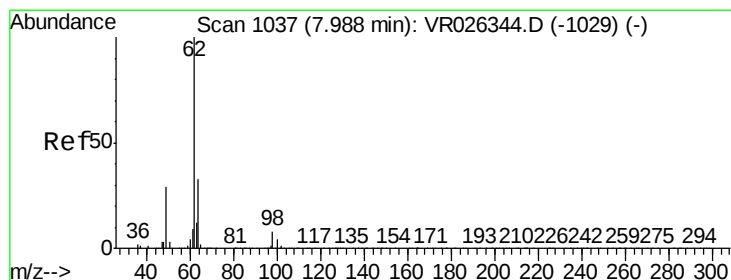
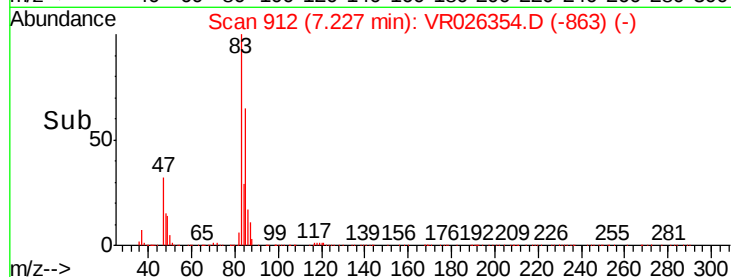
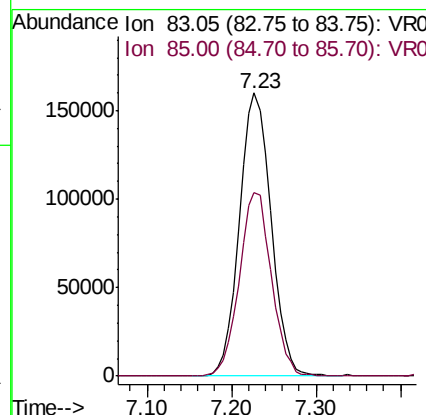
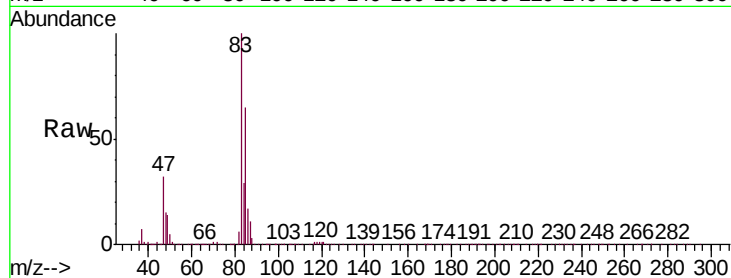




#25
Chloroform
Concen: 4.555 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

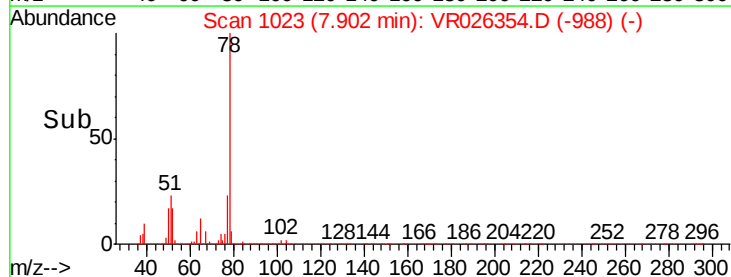
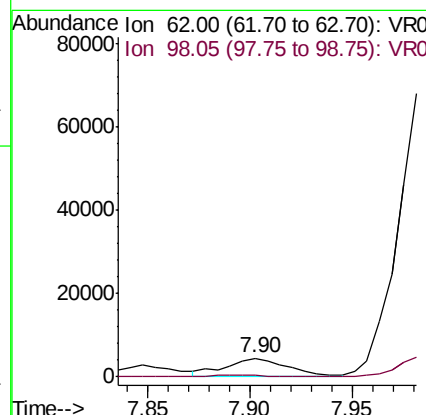
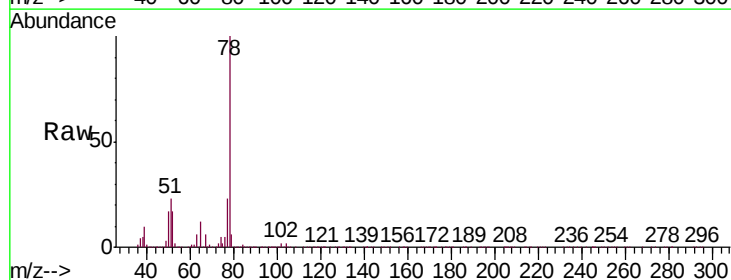
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

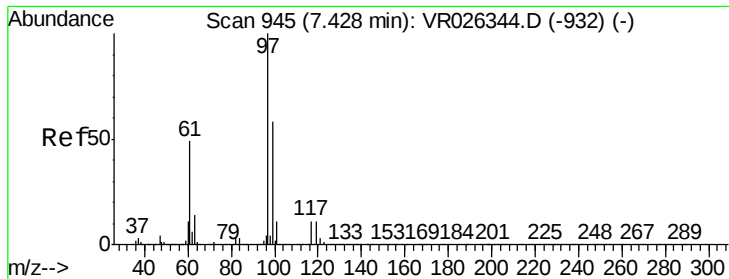
Tgt Ion: 83 Resp: 405628
Ion Ratio Lower Upper
83 100
85 65.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.233 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.09 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion: 62 Resp: 9312
Ion Ratio Lower Upper
62 100
98 7.5 5.1 7.7

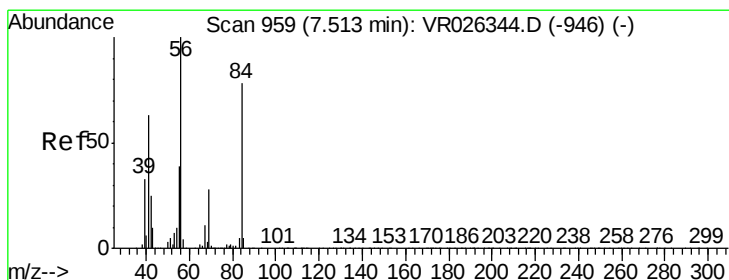
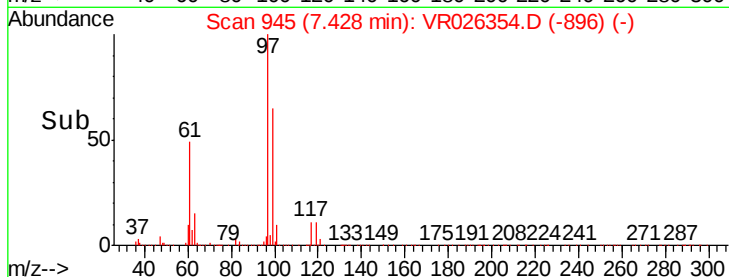
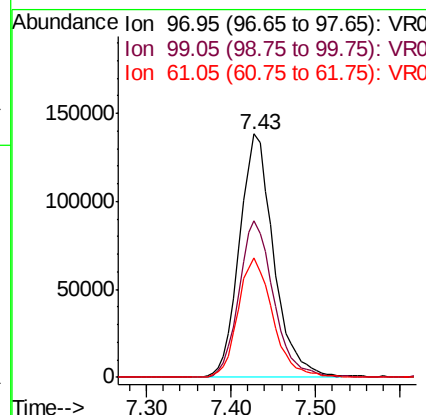
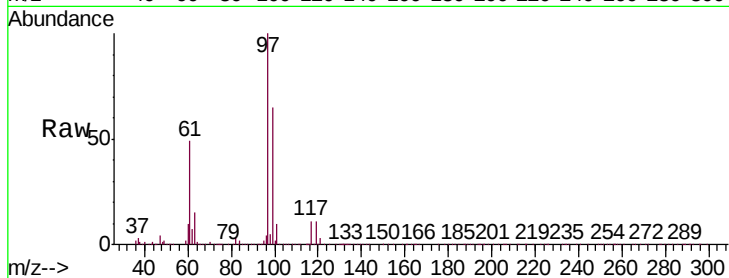




#29
 1,1,1-Trichloroethane
 Concen: 4.834 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

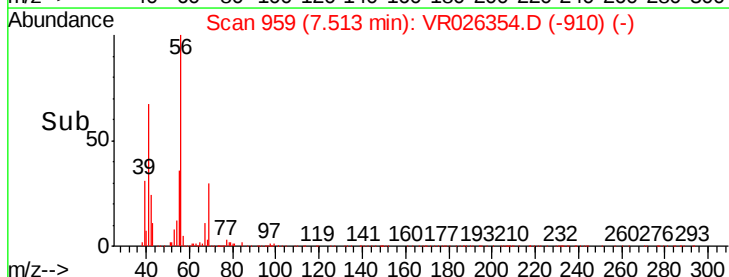
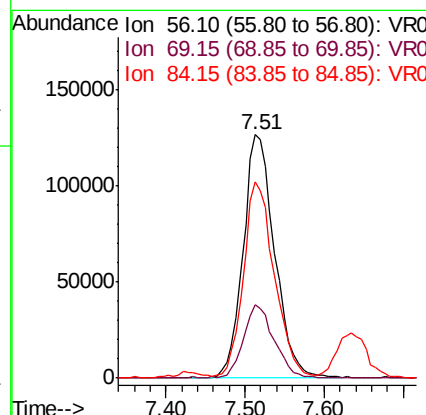
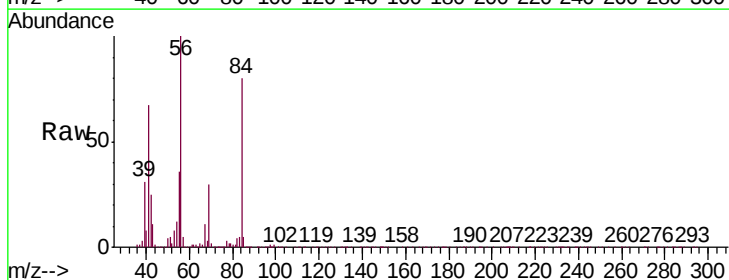
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

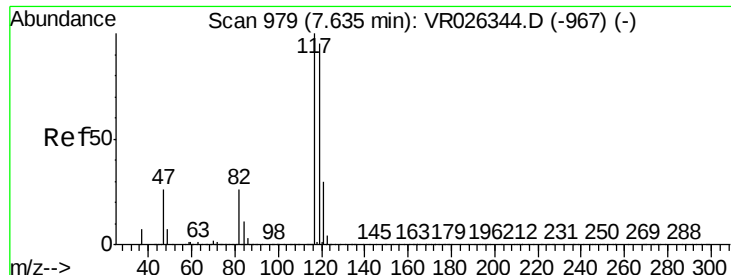
Tgt Ion: 97 Resp: 378793
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.8
 61 50.2 38.7 58.1



#30
 Cyclohexane
 Concen: 5.758 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion: 56 Resp: 350394
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.7 35.5
 84 79.4 62.8 94.2





#31

Carbon tetrachloride

Concen: 4.960 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

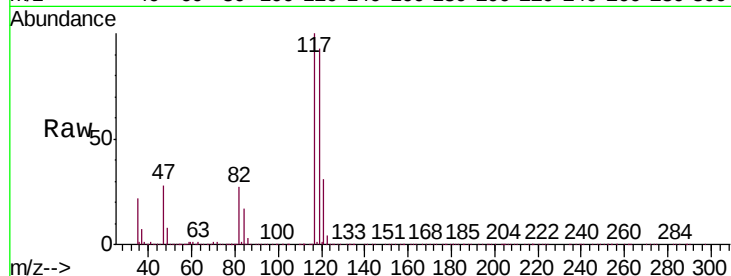
VSTD00598

Tgt Ion:117 Resp: 355766

Ion Ratio Lower Upper

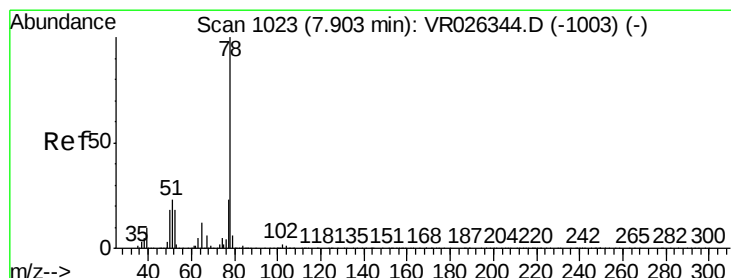
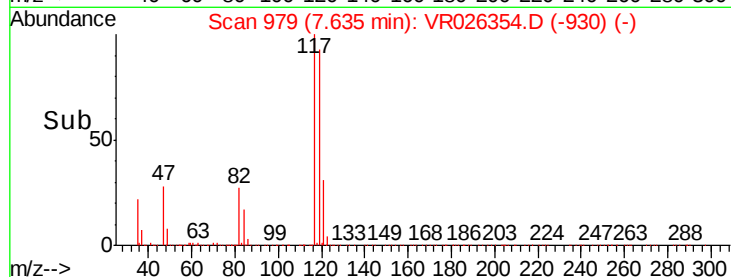
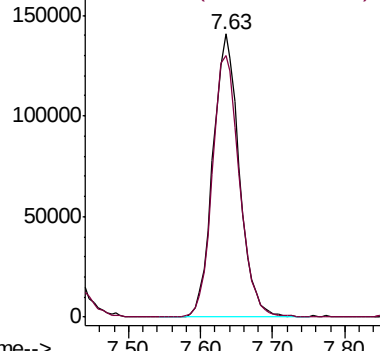
117 100

119 94.7 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.997 ug/L

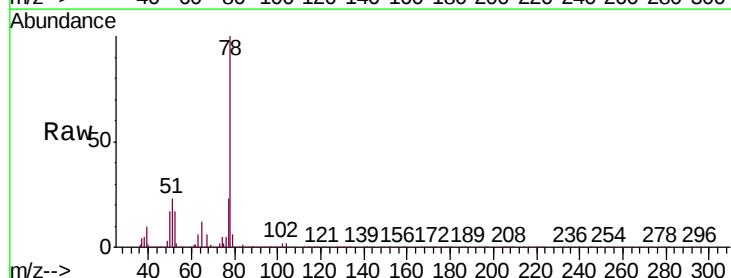
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

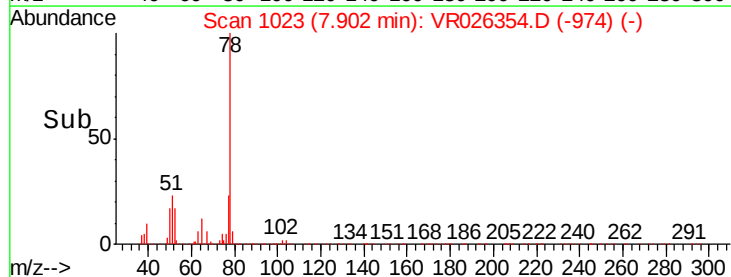
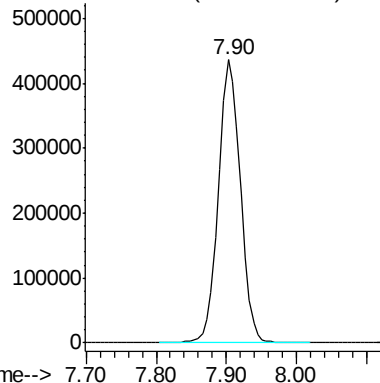
Lab File: VR026354.D

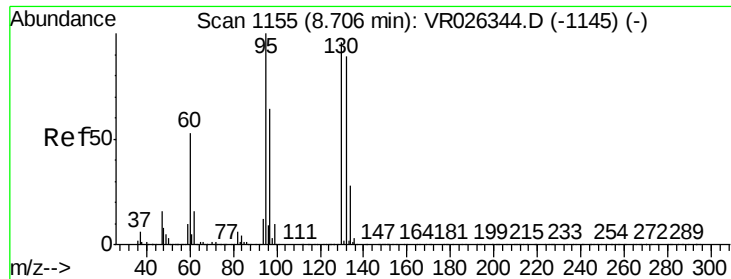
Acq: 21 Feb 2019 10:43

Tgt Ion: 78 Resp: 955341



Abundance Ion 78.10 (77.80 to 78.80): VR0

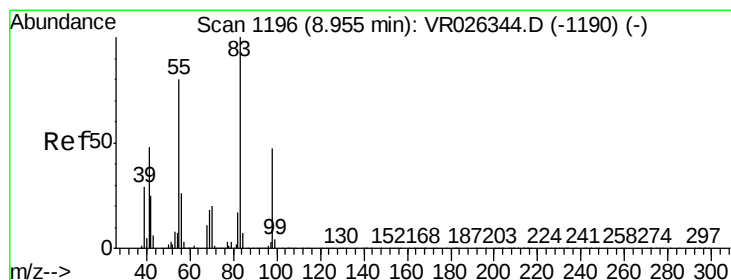
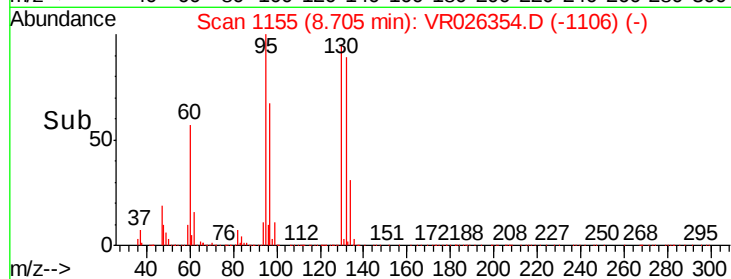
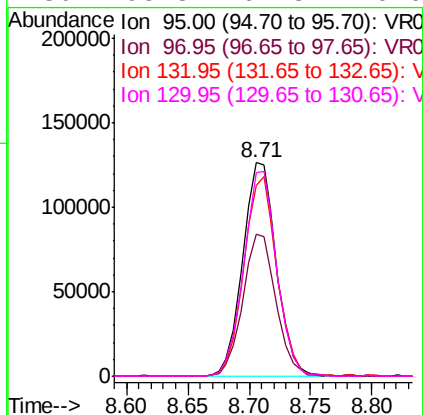
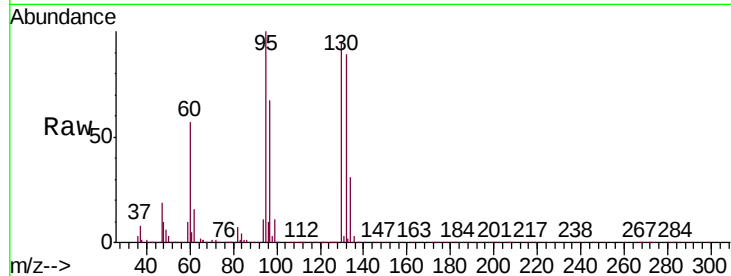




#34
 Trichloroethene
 Concen: 4.958 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

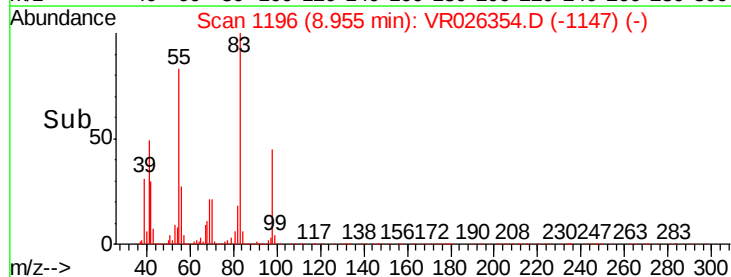
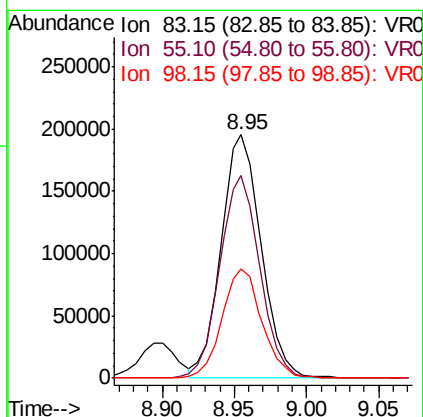
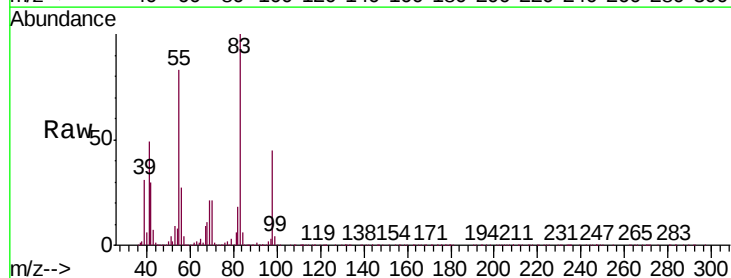
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

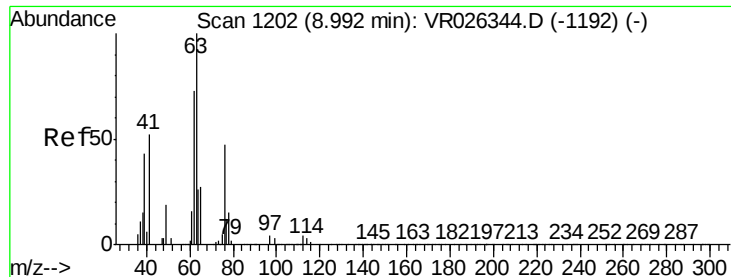
Tgt Ion:	95	Resp:	240933
Ion	Ratio	Lower	Upper
95	100		
97	66.7	45.1	83.9
132	89.4	60.7	112.7
130	95.3	62.8	116.6



#35
 Methylcyclohexane
 Concen: 5.861 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion:	83	Resp:	377840
Ion	Ratio	Lower	Upper
83	100		
55	83.6	67.3	100.9
98	45.2	37.0	55.4

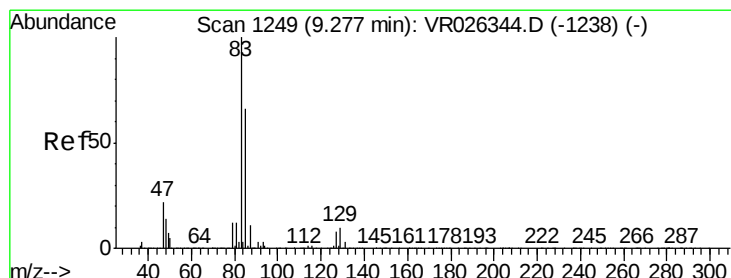
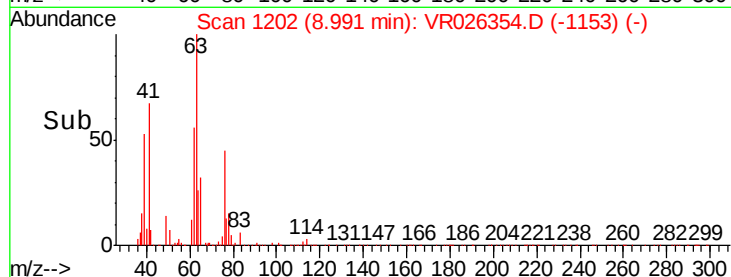
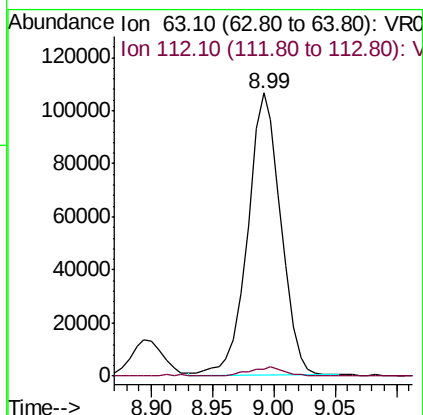
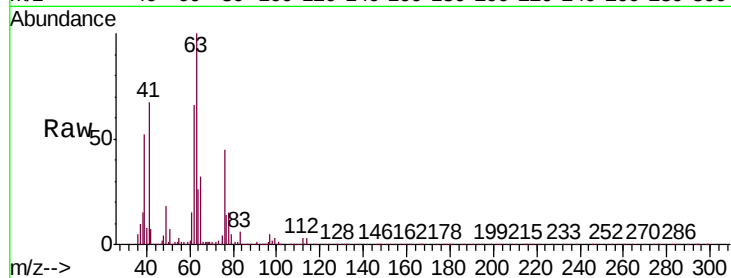




#37
 1,2-Dichloropropane
 Concen: 4.799 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

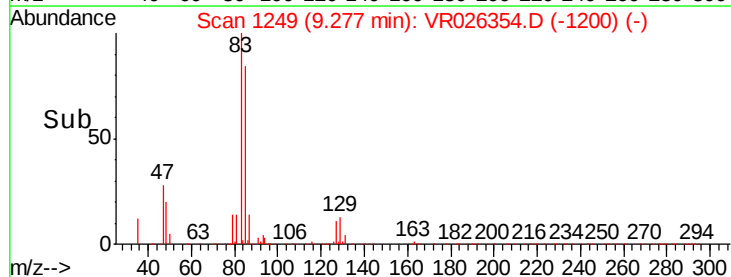
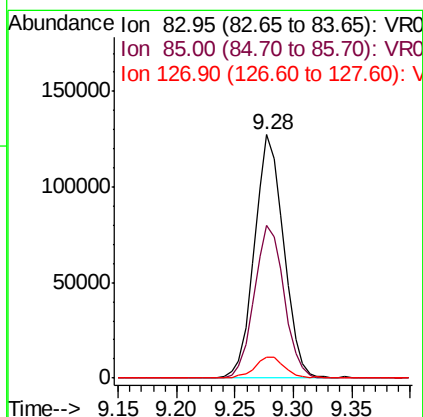
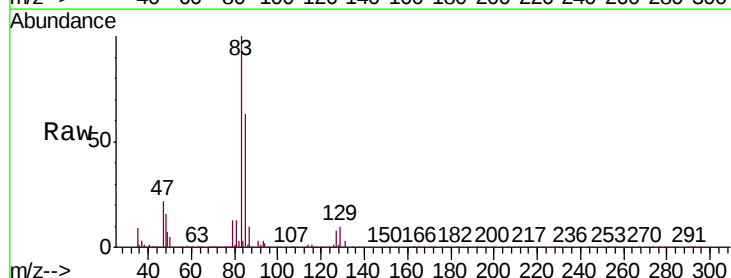
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

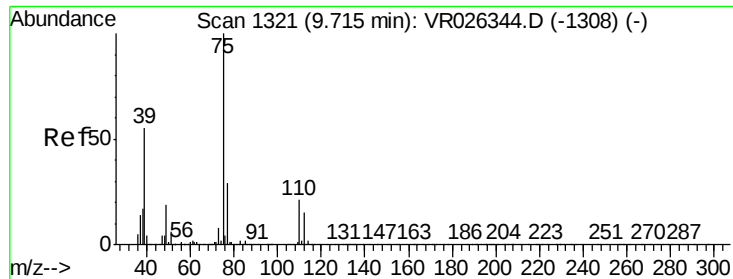
Tgt Ion: 63 Resp: 200479
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.719 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion: 83 Resp: 221621
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.6 82.8
 127 8.5 6.4 9.6



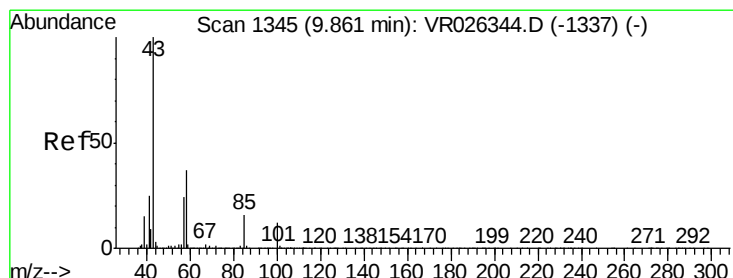
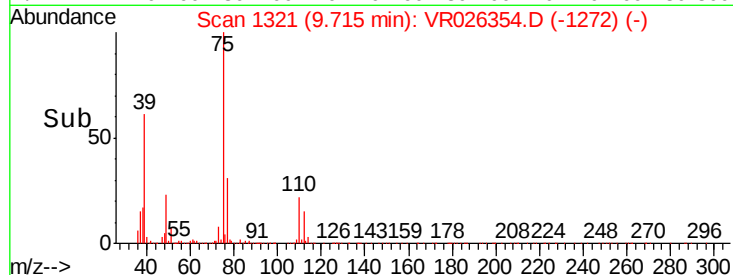
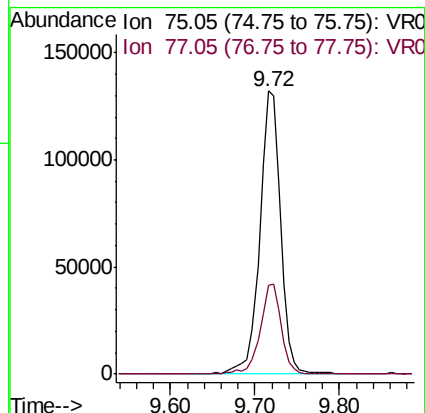
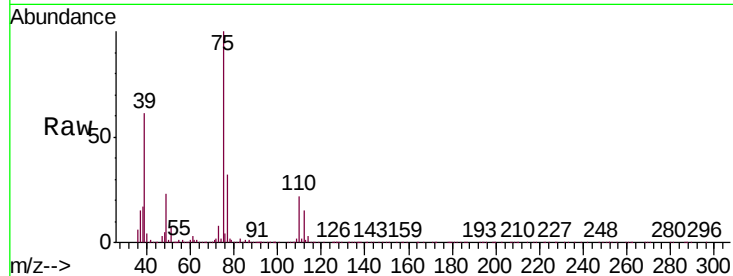


#39

cis-1,3-Dichloropropene
Concen: 5.068 ug/L
RT: 9.72 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

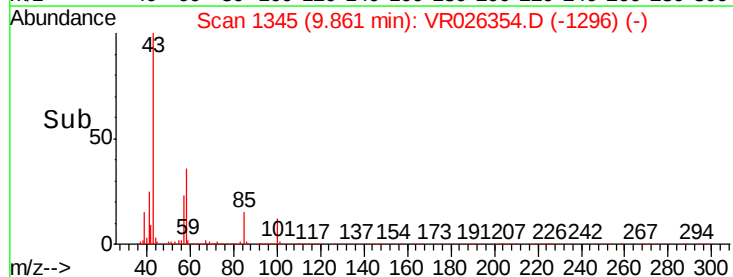
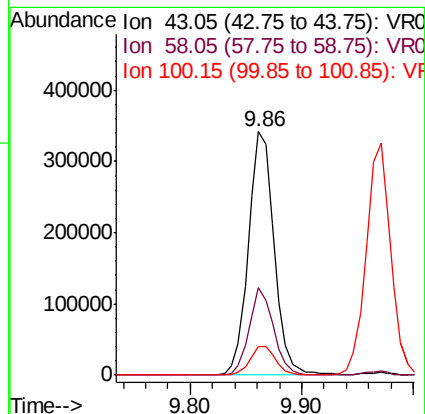
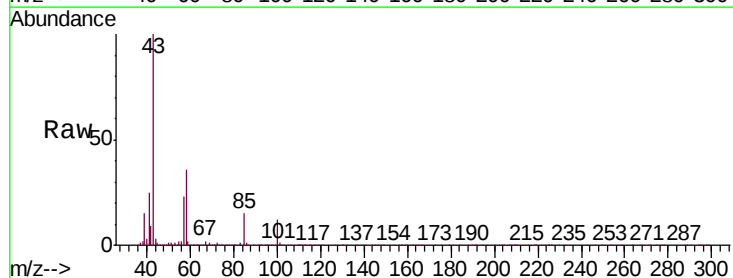
Tgt Ion: 75 Resp: 223415
Ion Ratio Lower Upper
75 100
77 31.5 21.8 40.4

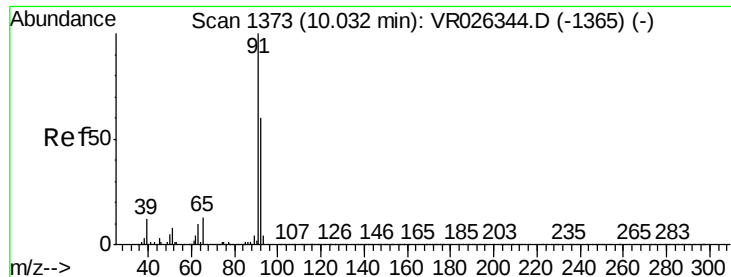


#40

4-Methyl-2-pentanone
Concen: 50.193 ug/L
RT: 9.86 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion: 43 Resp: 547266
Ion Ratio Lower Upper
43 100
58 34.2 28.2 42.4
100 11.8 10.0 15.0





#42

Toluene

Concen: 5.264 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

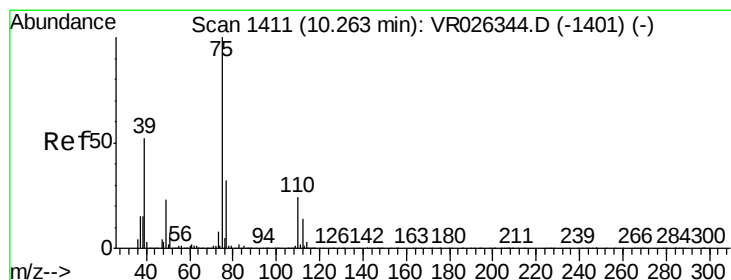
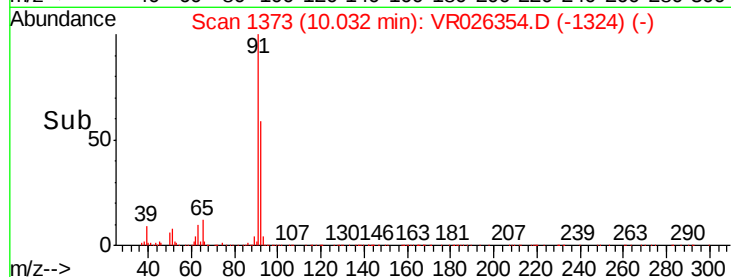
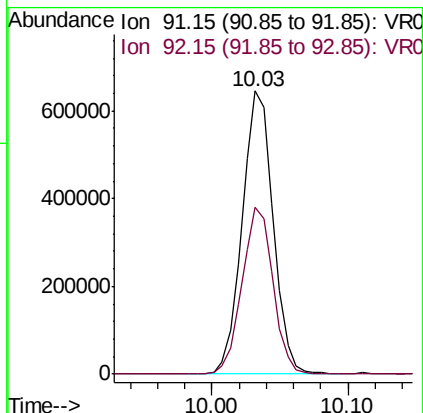
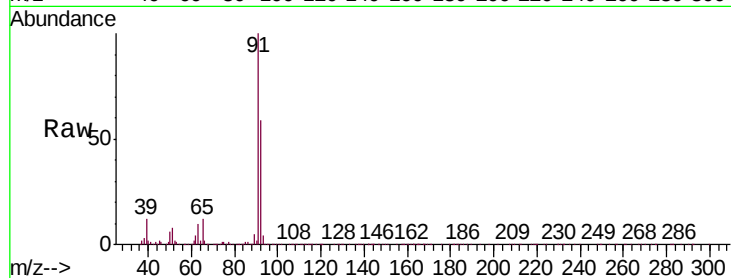
VSTD00598

Tgt Ion: 91 Resp: 1024786

Ion Ratio Lower Upper

91 100

92 59.1 40.1 74.5



#44

trans-1,3-Dichloropropene

Concen: 4.842 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026354.D

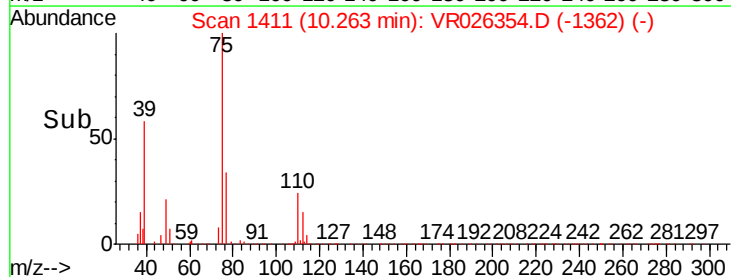
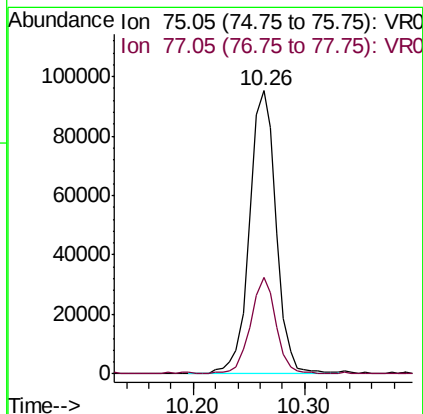
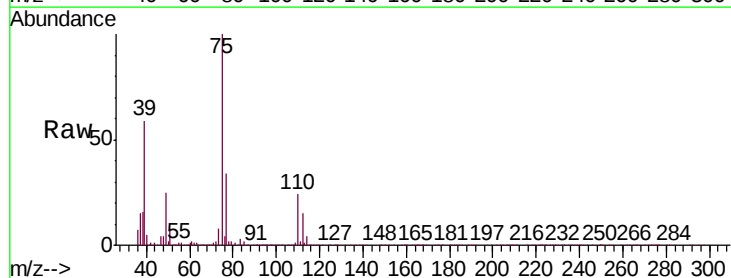
Acq: 21 Feb 2019 10:43

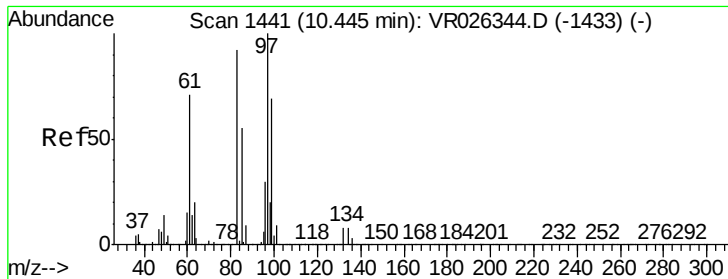
Tgt Ion: 75 Resp: 157882

Ion Ratio Lower Upper

75 100

77 34.1 22.5 41.7

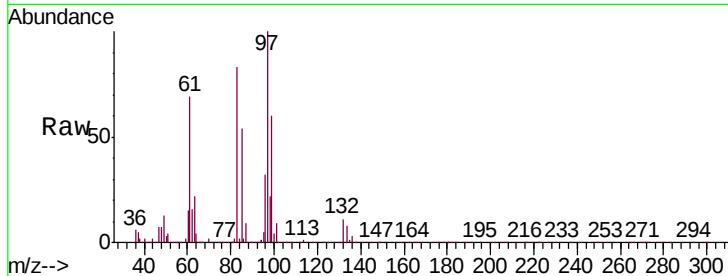




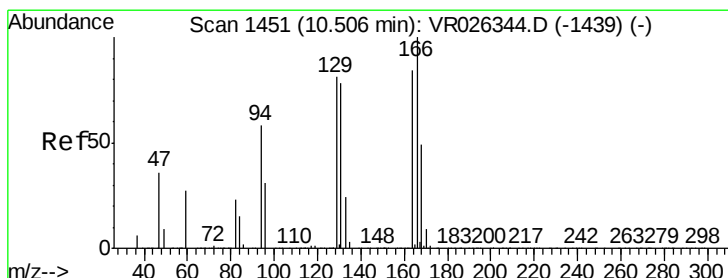
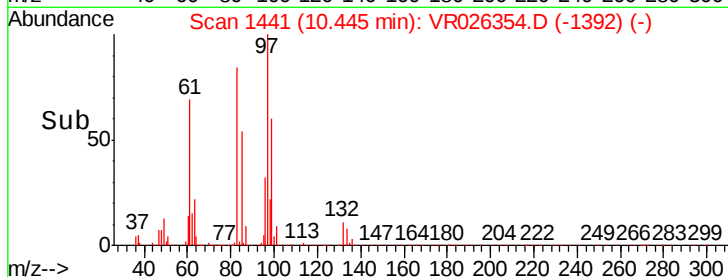
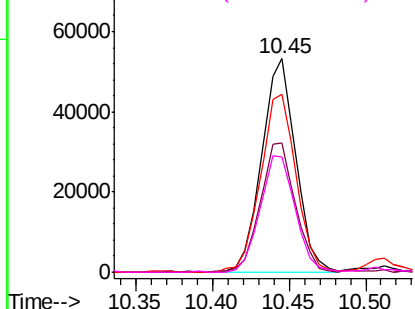
#45
 1,1,2-Trichloroethane
 Concen: 4.623 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tgt Ion:	97	Resp:	82398
Ion	Ratio	Lower	Upper
97	100		
99	60.4	41.2	76.4
83	83.4	57.4	106.6
85	53.8	39.5	73.4

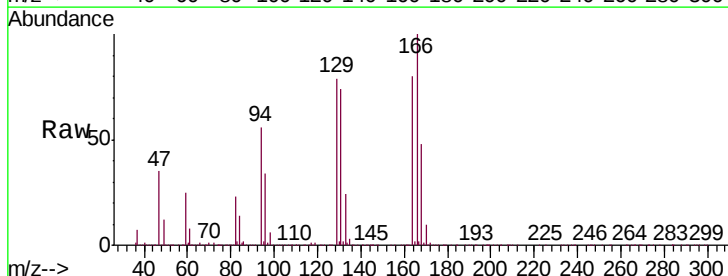


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 82.95 (82.65 to 83.65): VR0
 Ion 85.00 (84.70 to 85.70): VR0

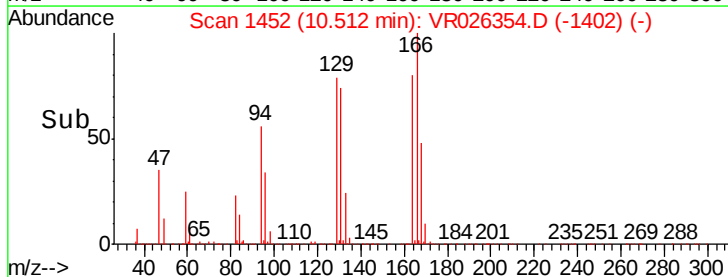
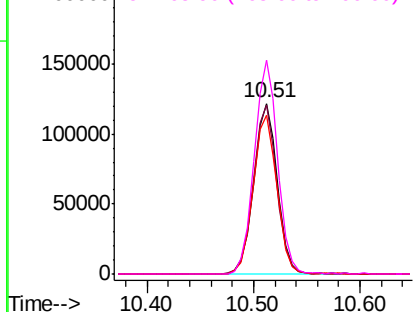


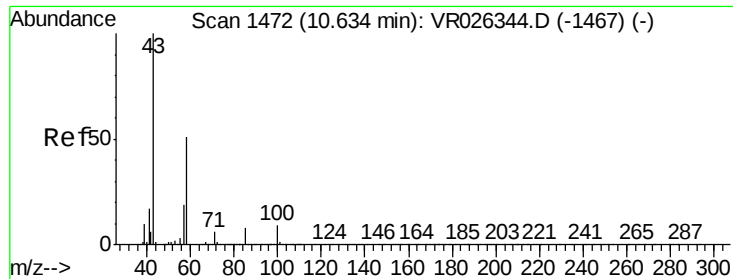
#47
 Tetrachloroethene
 Concen: 5.209 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion:	164	Resp:	187760
Ion	Ratio	Lower	Upper
164	100		
129	99.1	68.5	127.3
131	92.9	68.3	126.8
166	125.1	86.8	161.2



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

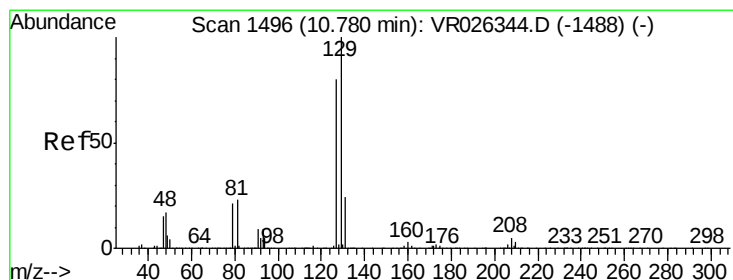
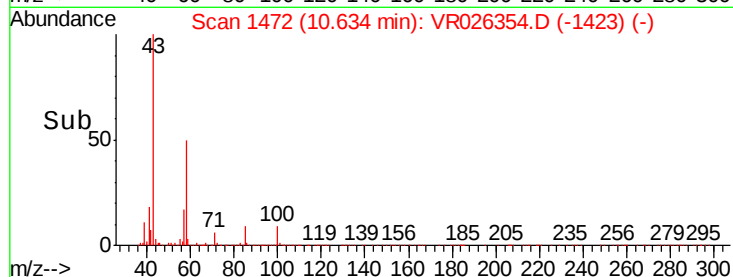
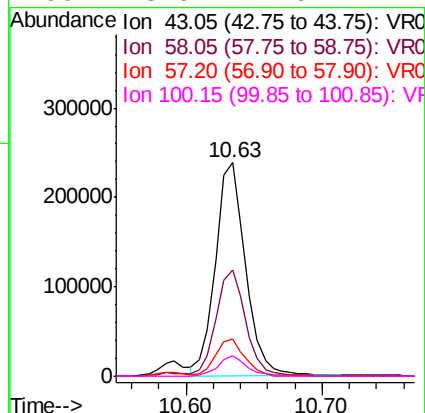
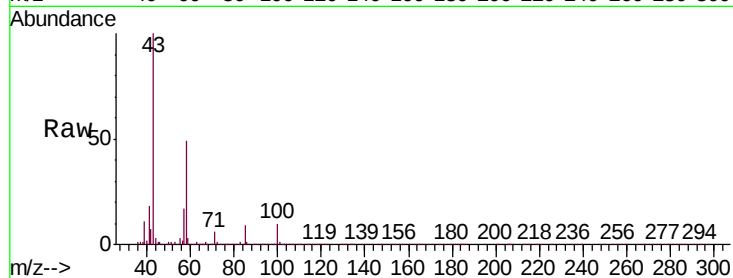




#48
2-Hexanone
Concen: 48.749 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

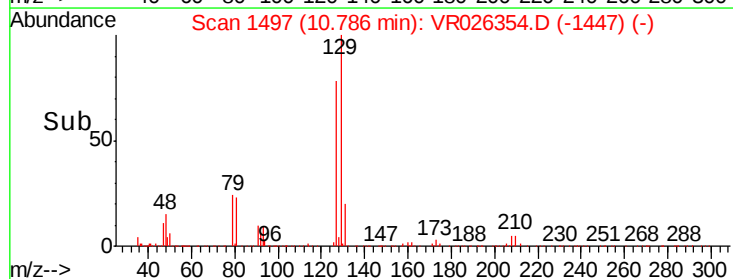
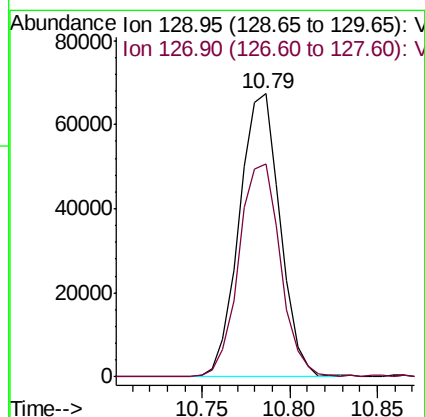
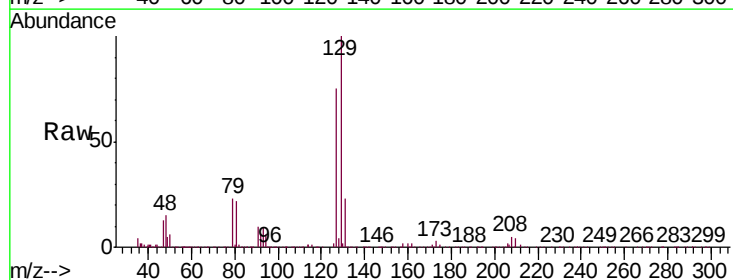
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

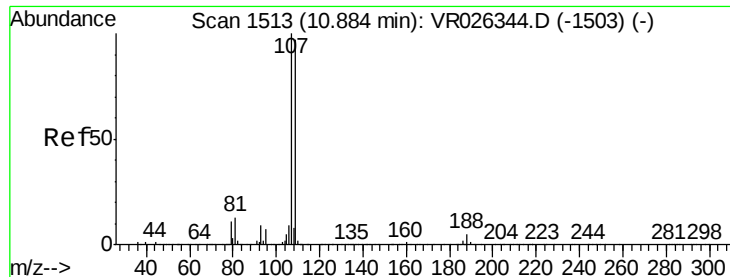
Tgt Ion:	43	Resp:	365221
Ion	Ratio	Lower	Upper
43	100		
58	49.3	39.1	58.7
57	17.4	14.2	21.2
100	8.9	7.6	11.4



#49
Dibromochloromethane
Concen: 4.684 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion:	129	Resp:	109104
Ion	Ratio	Lower	Upper
129	100		
127	75.3	53.5	99.3

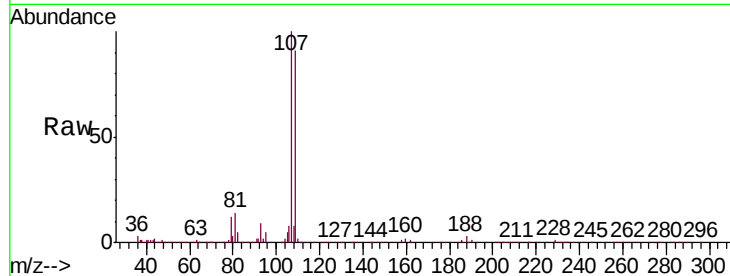




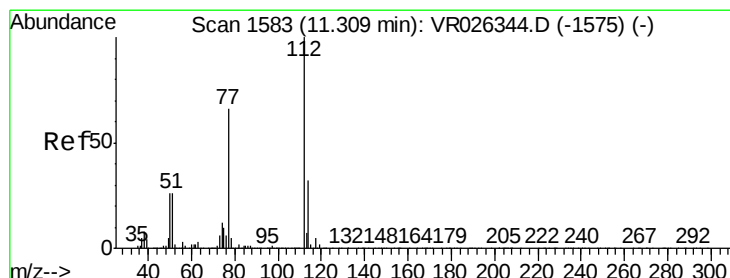
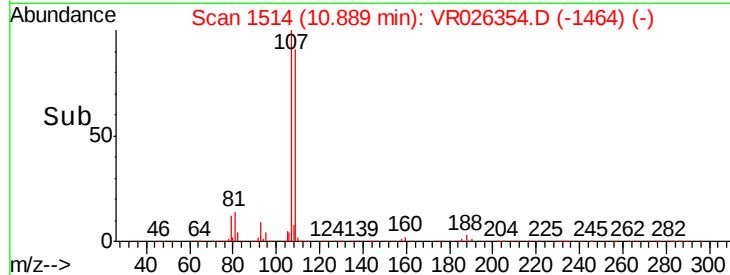
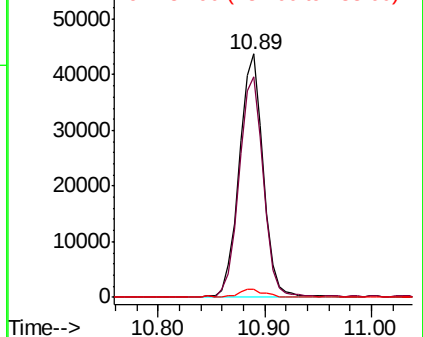
#50
1,2-Dibromoethane
Concen: 4.745 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

Tgt Ion:107 Resp: 69230
Ion Ratio Lower Upper
107 100
109 90.5 61.6 114.4
188 3.1 1.7 2.5#

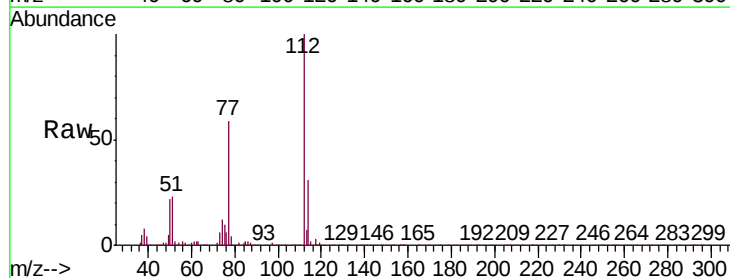


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

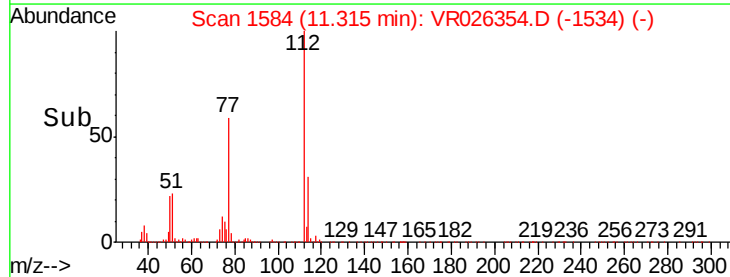
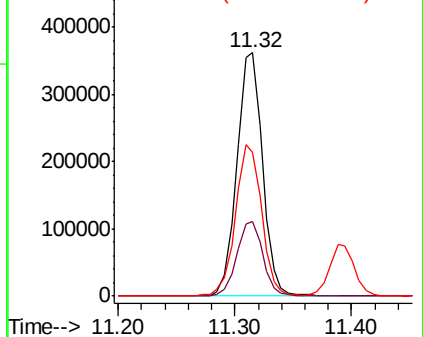


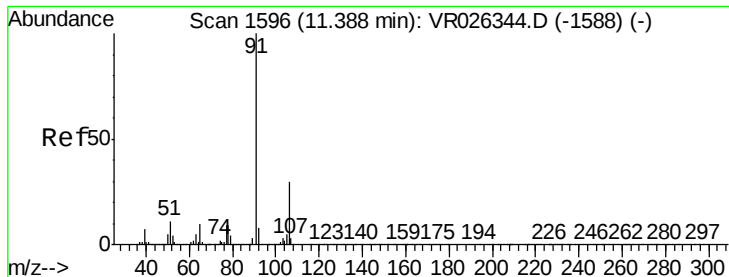
#51
Chlorobenzene
Concen: 4.887 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion:112 Resp: 556359
Ion Ratio Lower Upper
112 100
114 30.9 23.5 43.7
77 59.0 51.8 77.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.542 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

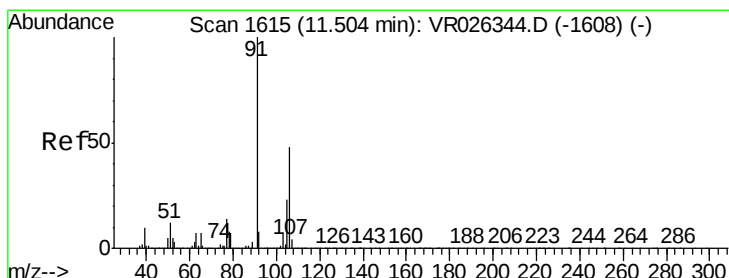
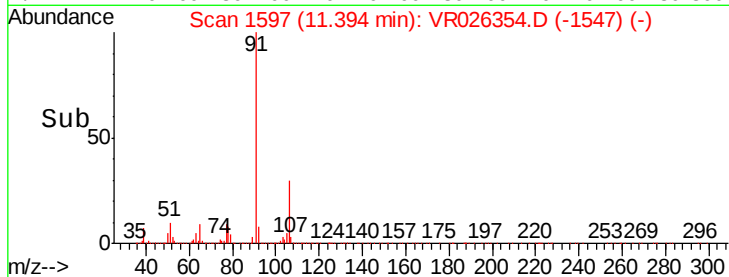
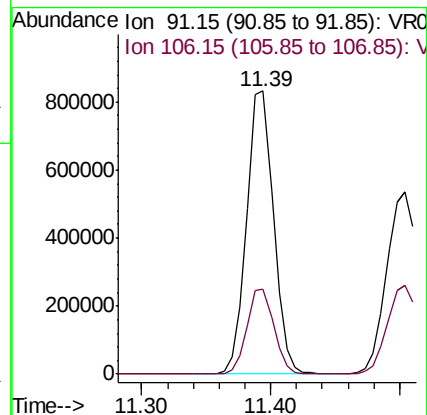
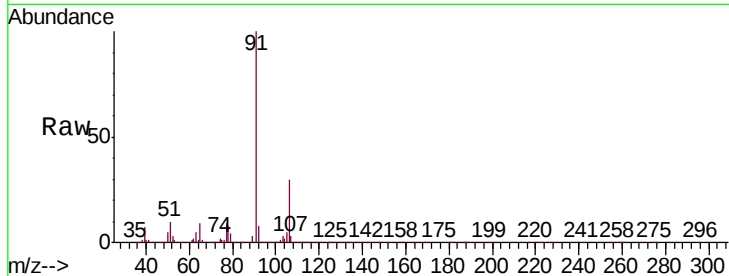
VSTD00598

Tgt Ion: 91 Resp: 1200405

Ion Ratio Lower Upper

91 100

106 30.2 21.5 39.9



#53

m,p-Xylene

Concen: 5.607 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026354.D

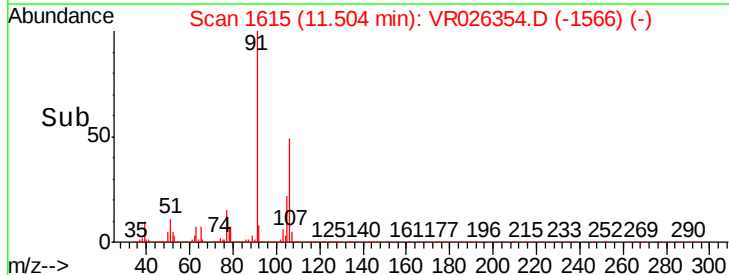
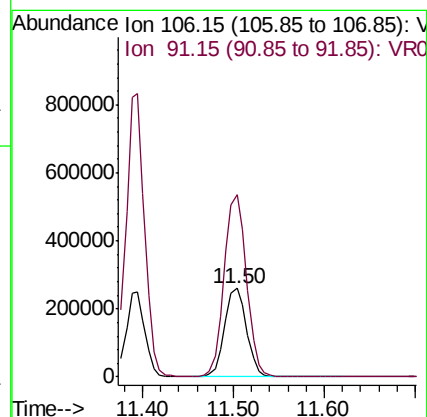
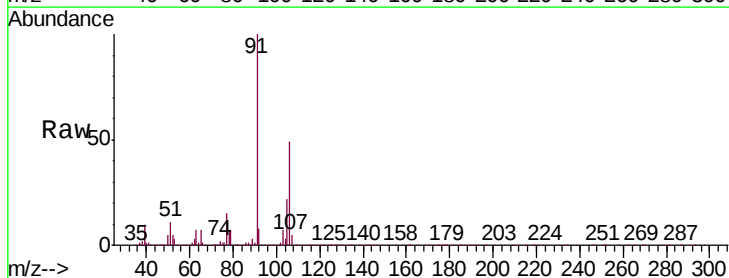
Acq: 21 Feb 2019 10:43

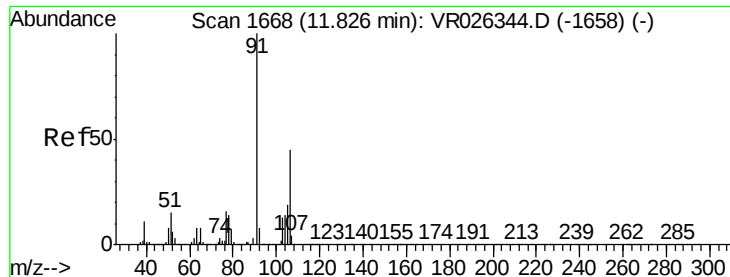
Tgt Ion: 106 Resp: 443119

Ion Ratio Lower Upper

106 100

91 205.9 144.8 268.8

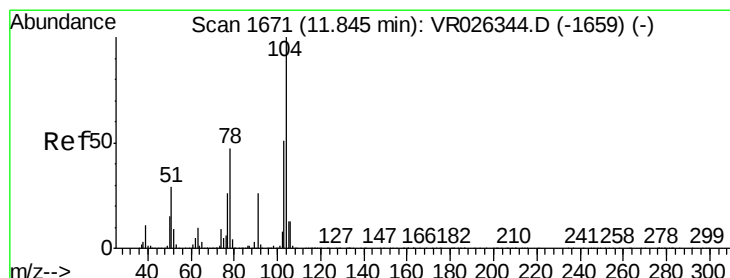
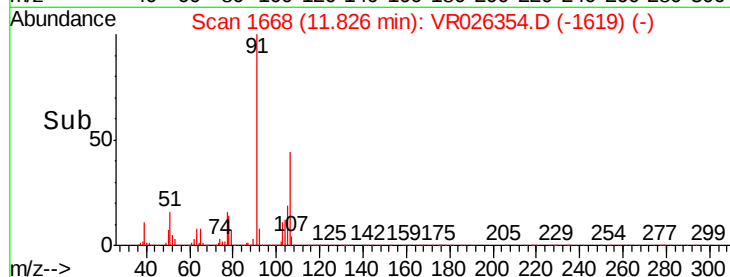
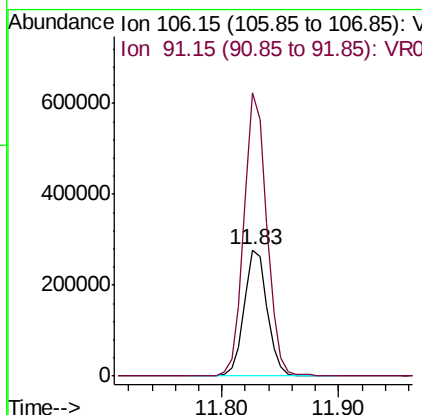
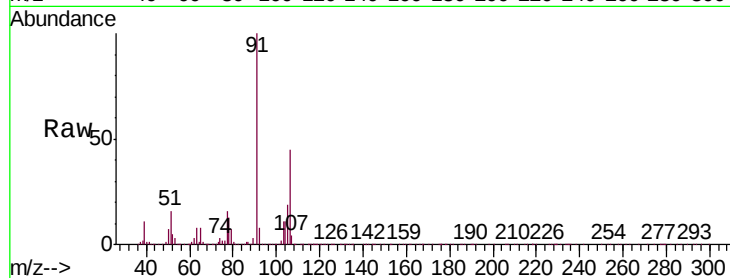




#54
o-Xylene
Concen: 5.569 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

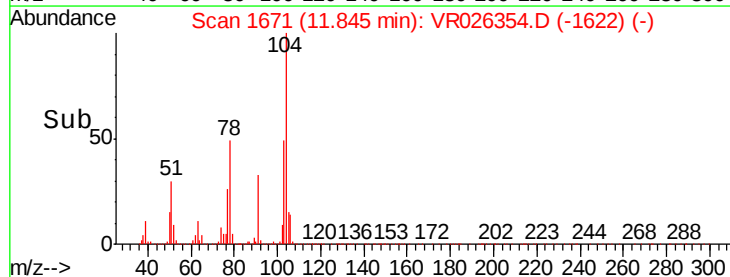
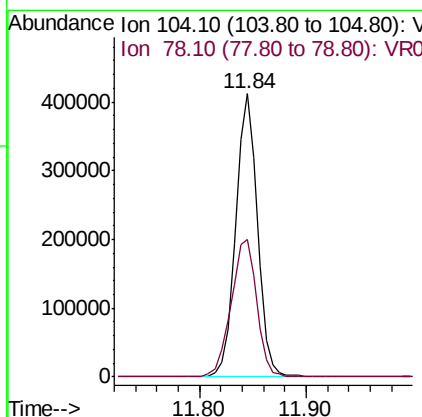
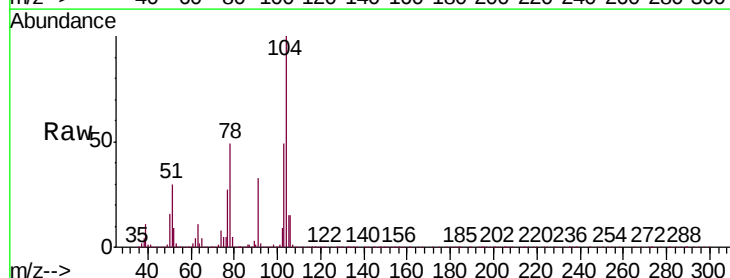
Instrument :
MSVOA_R
ClientSampleId :
VSTD00598

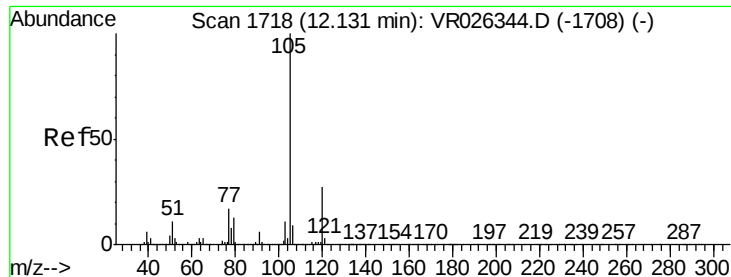
Tgt Ion:106 Resp: 385298
Ion Ratio Lower Upper
106 100
91 224.0 153.1 284.3



#55
Styrene
Concen: 5.403 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026354.D
Acq: 21 Feb 2019 10:43

Tgt Ion:104 Resp: 591916
Ion Ratio Lower Upper
104 100
78 48.7 33.1 61.5





#56

Isopropylbenzene

Concen: 5.872 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

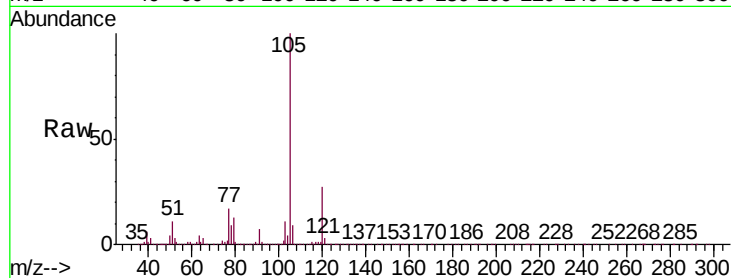
Tgt Ion:105 Resp: 1144019

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

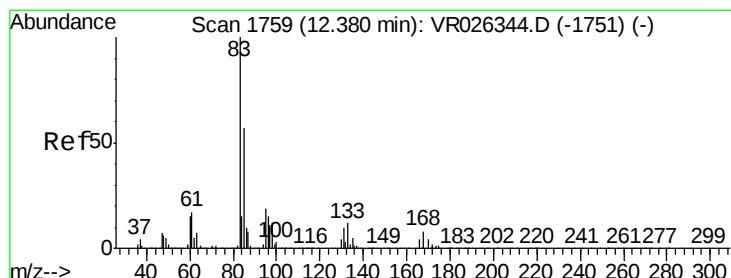
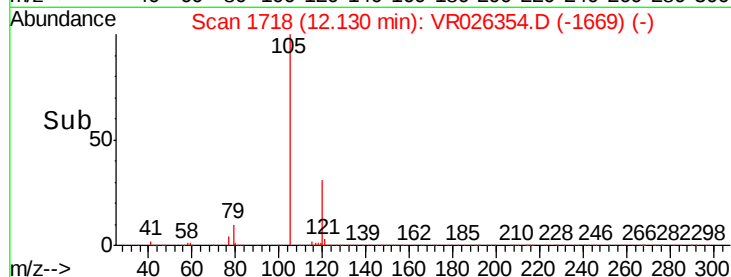
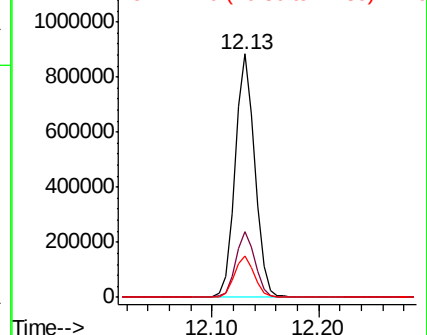
77 17.3 13.9 20.9



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: 4.651 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

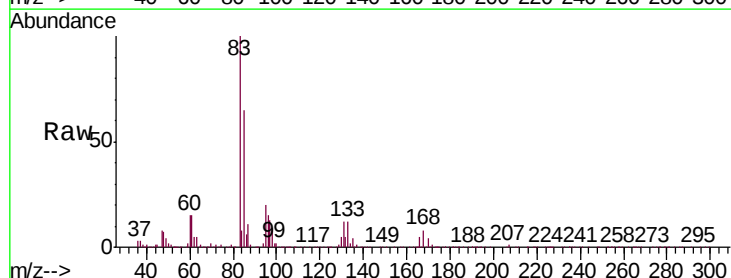
Tgt Ion: 83 Resp: 78641

Ion Ratio Lower Upper

83 100

85 65.0 43.5 80.9

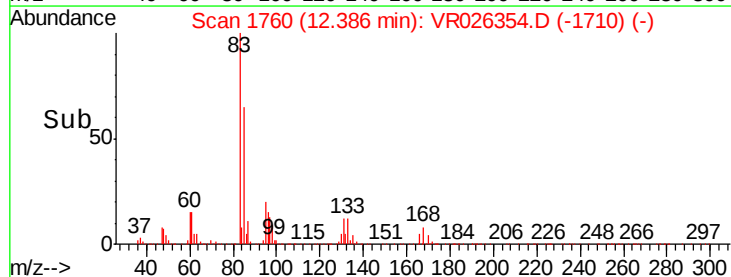
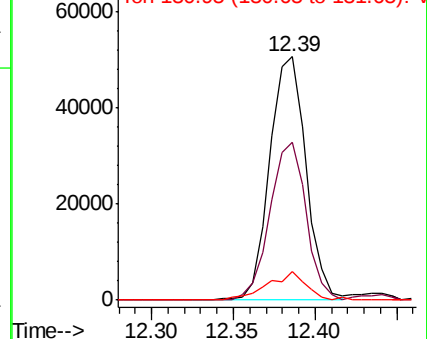
131 11.8 8.8 13.2

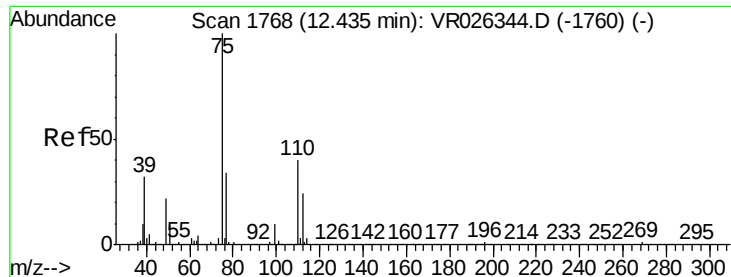


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.592 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

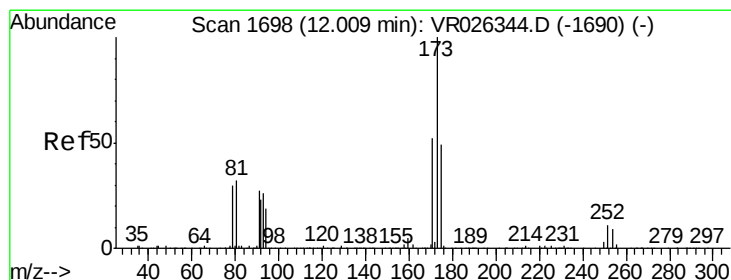
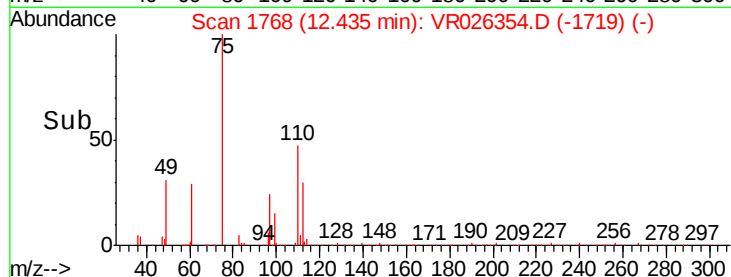
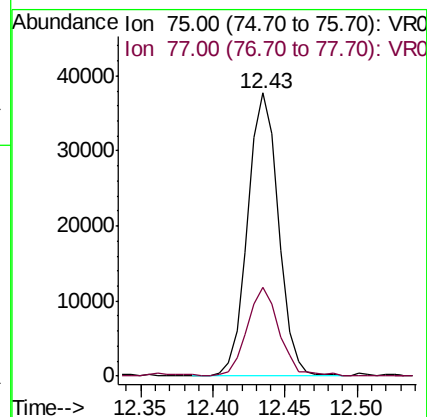
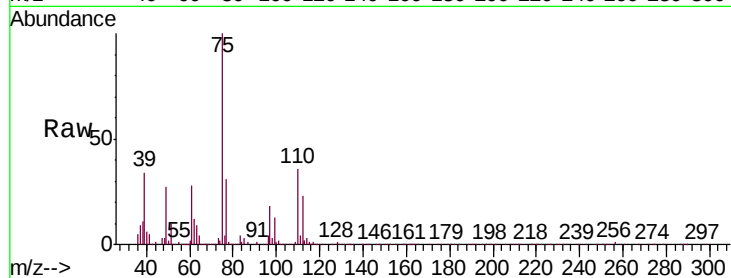
VSTD00598

Tgt Ion: 75 Resp: 55584

Ion Ratio Lower Upper

75 100

77 33.1 27.5 41.3



#61

Bromoform

Concen: 4.259 ug/L

RT: 12.00 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

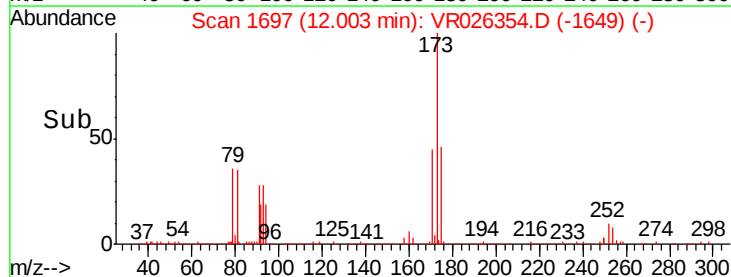
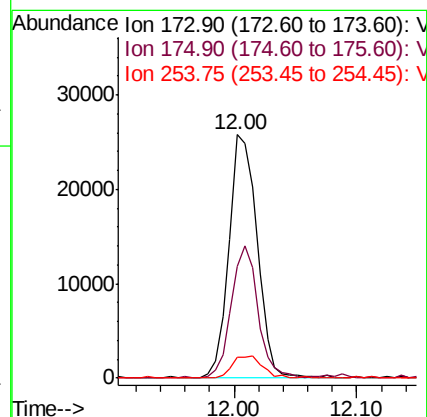
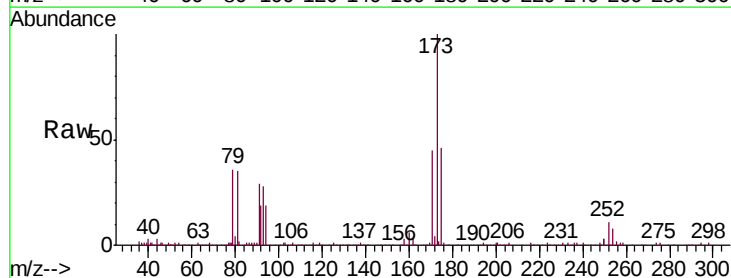
Tgt Ion: 173 Resp: 41136

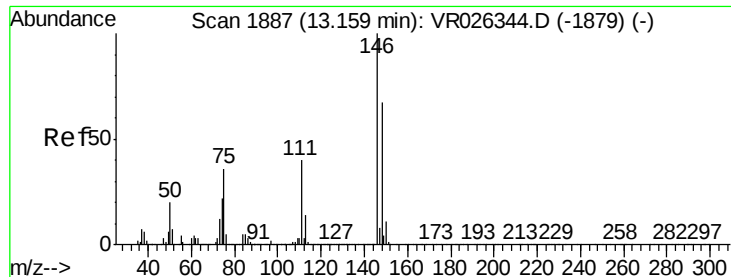
Ion Ratio Lower Upper

173 100

175 50.7 40.0 60.0

254 9.7 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 4.936 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

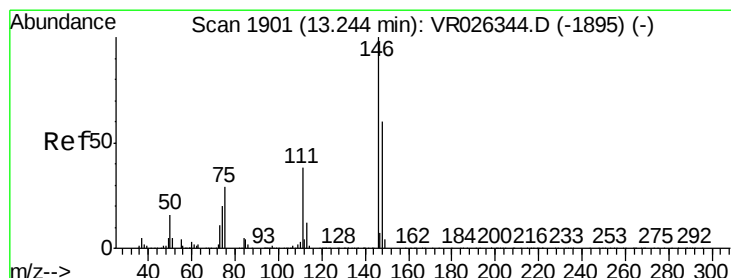
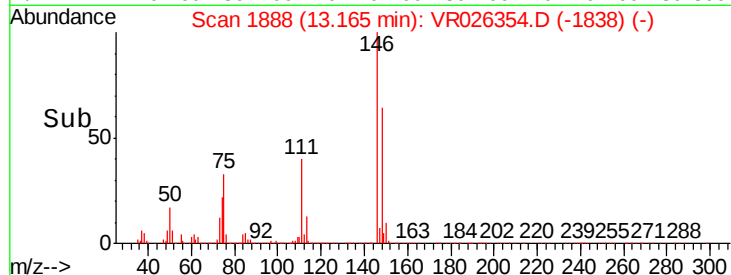
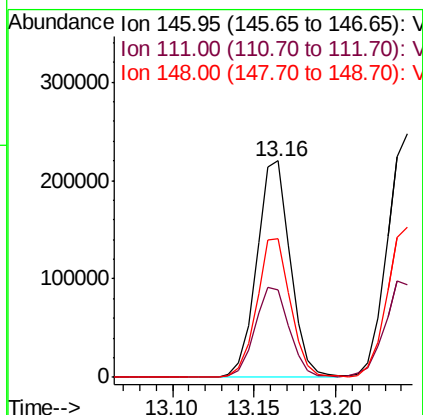
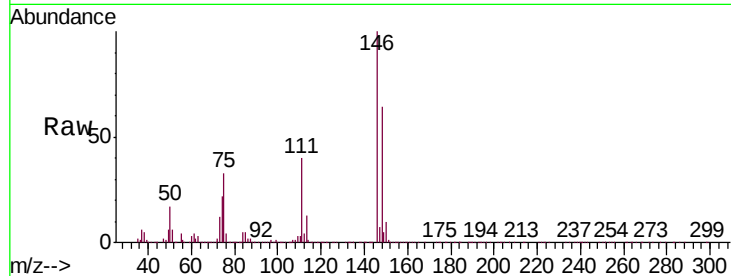
Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

Tgt Ion:	146	Resp:	312460
Ion	Ratio	Lower	Upper
146	100		
111	40.3	30.7	57.1
148	64.2	46.1	85.5



#63

1,4-Dichlorobenzene

Concen: 4.791 ug/L

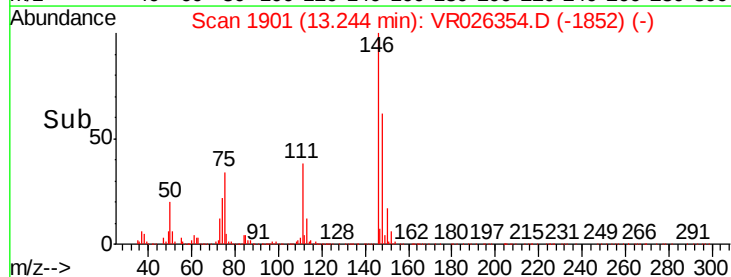
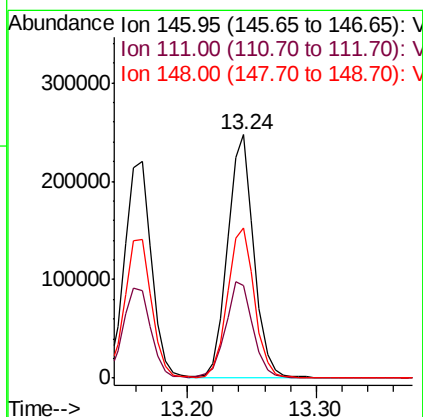
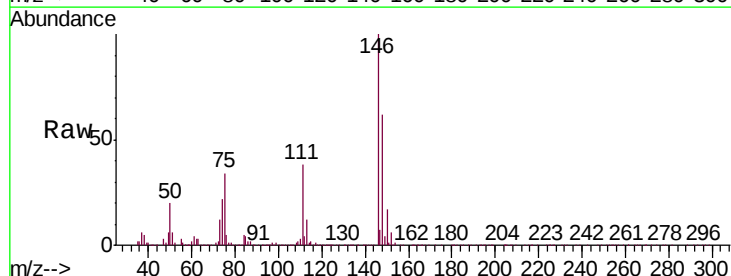
RT: 13.24 min Scan# 1901

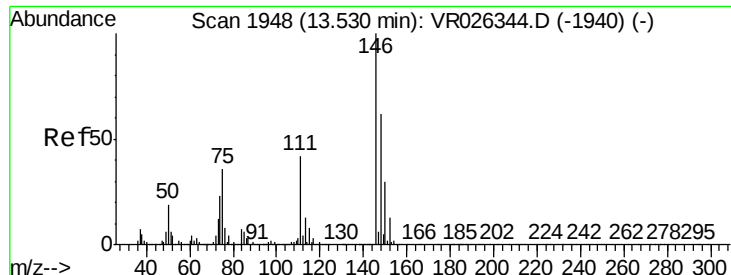
Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Tgt Ion:	146	Resp:	352193
Ion	Ratio	Lower	Upper
146	100		
111	37.9	29.5	54.7
148	61.5	43.8	81.4

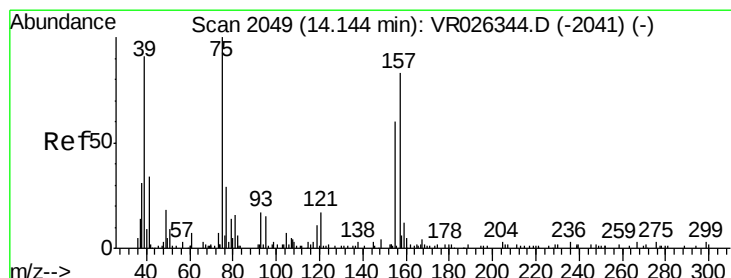
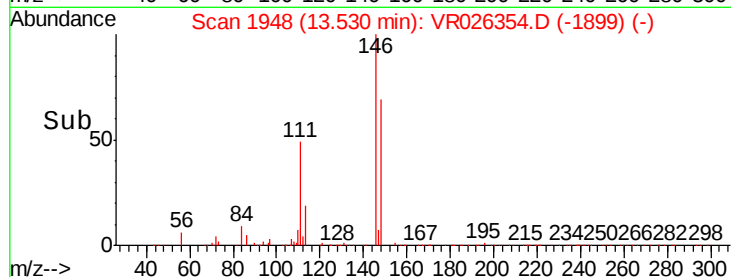
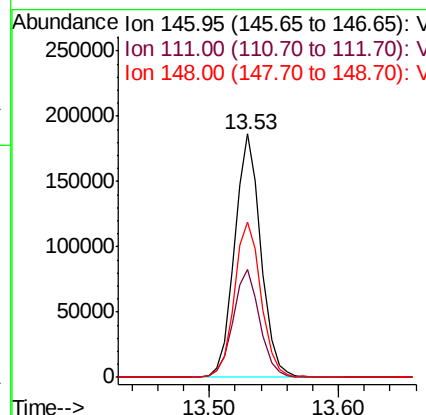
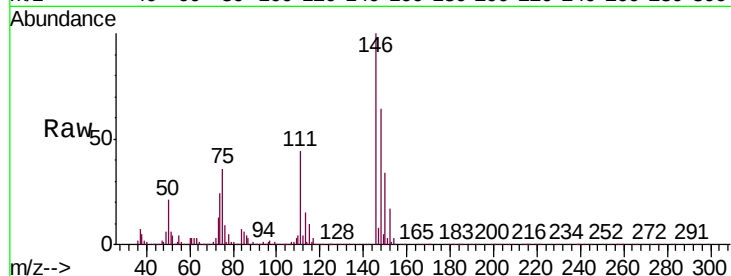




#65
 1,2-Dichlorobenzene
 Concen: 4.836 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

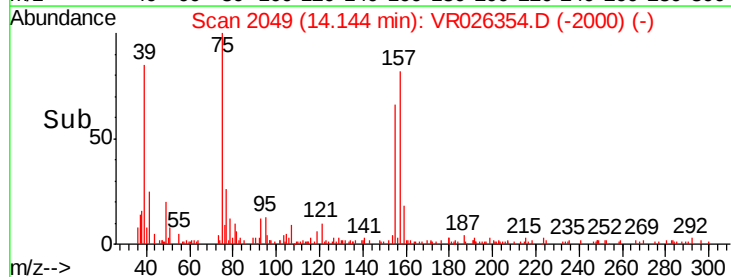
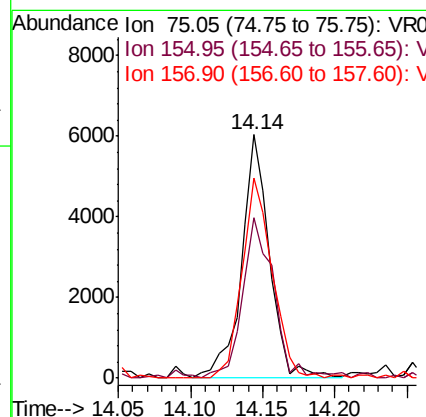
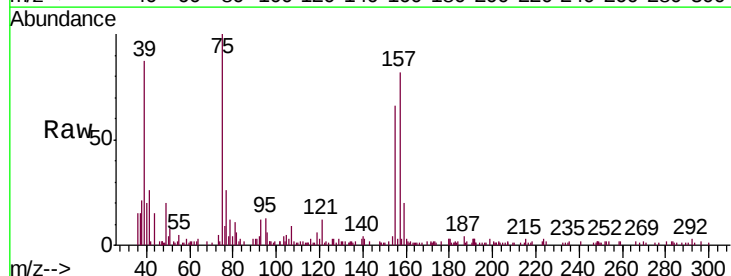
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

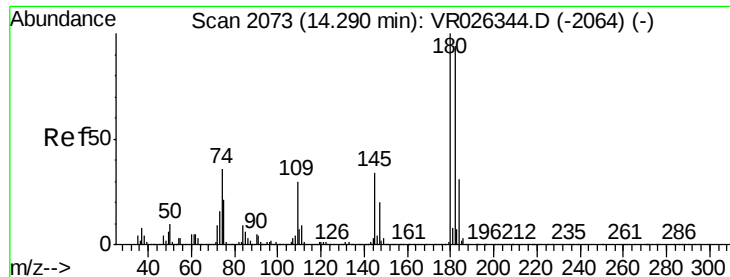
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	33.1	49.7
148	63.9	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.901 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	45.8	68.8
157	82.2	60.9	91.3

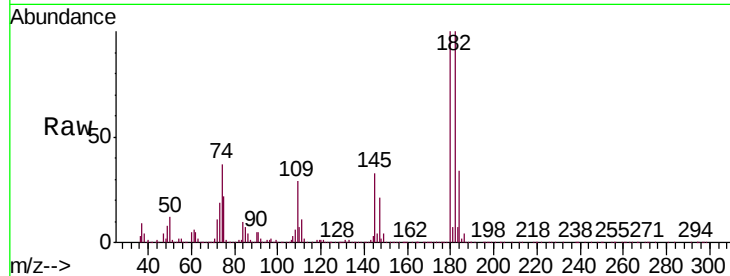




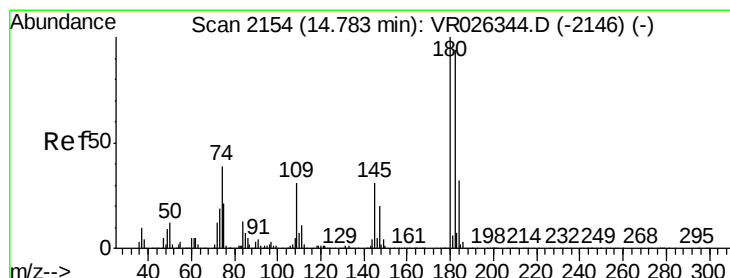
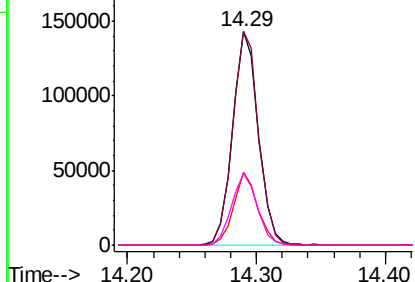
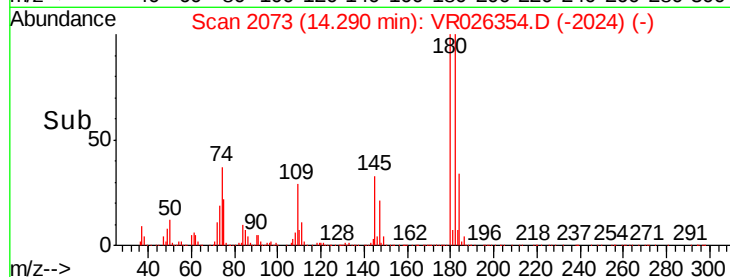
#67
 1,3,5-Trichlorobenzene
 Concen: 4.825 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Tgt Ion:	180	Resp:	199543
Ion Ratio	Lower	Upper	
180	100		
182	100.0	75.0	112.4
184	32.2	24.6	37.0
145	33.3	25.1	37.7

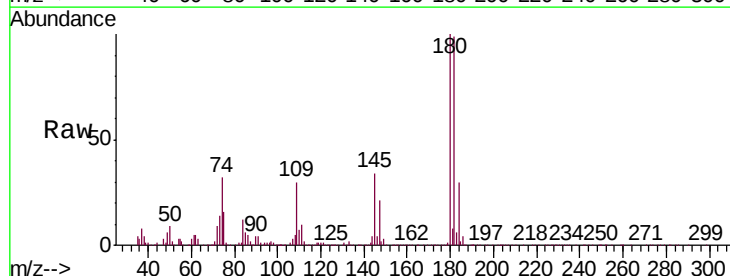


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

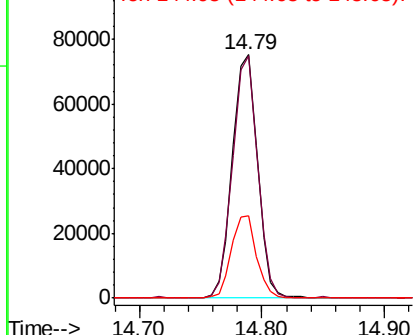
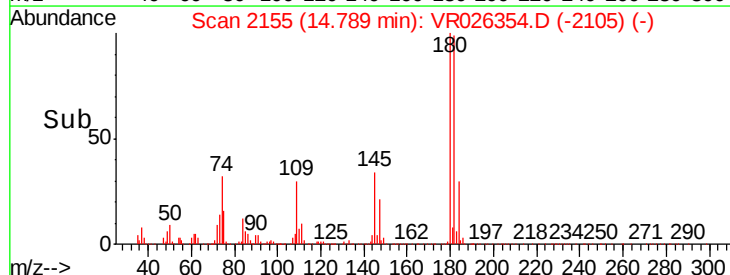


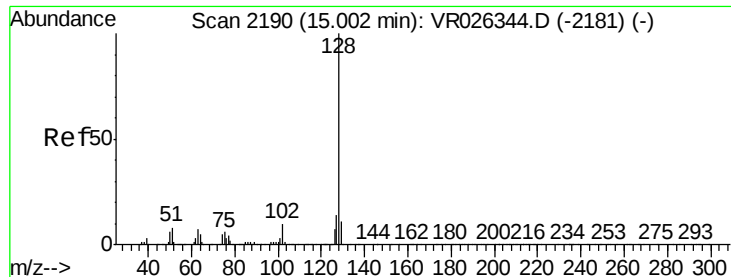
#68
 1,2,4-trichlorobenzene
 Concen: 4.748 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026354.D
 Acq: 21 Feb 2019 10:43

Tgt Ion:	180	Resp:	106642
Ion Ratio	Lower	Upper	
180	100		
182	99.0	74.3	111.5
145	33.5	25.9	38.9



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





#69

Naphthalene

Concen: 4.247 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

Instrument :

MSVOA_R

ClientSampleId :

VSTD00598

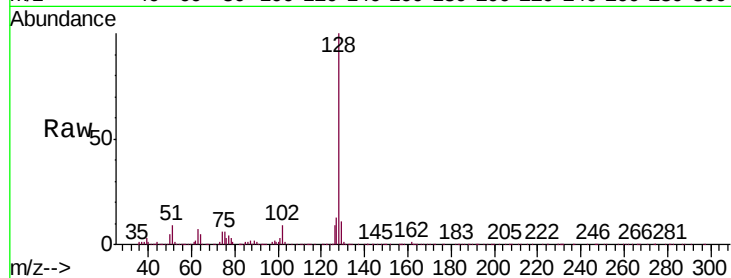
Tgt Ion:128 Resp: 90641

Ion Ratio Lower Upper

128 100

127 14.2 10.9 16.3

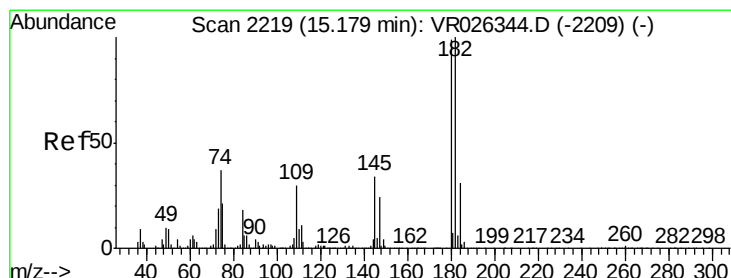
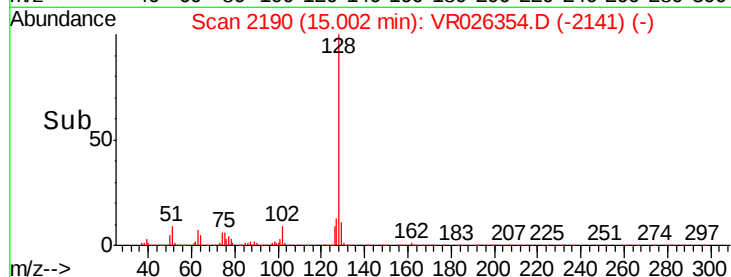
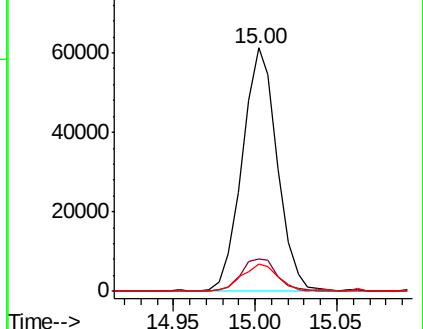
129 11.8 9.3 13.9



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: 4.849 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026354.D

Acq: 21 Feb 2019 10:43

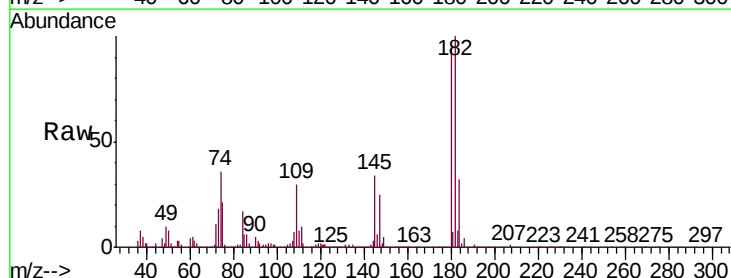
Tgt Ion:180 Resp: 83142

Ion Ratio Lower Upper

180 100

182 95.9 77.0 115.4

145 36.0 27.7 41.5



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

