

Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	335094	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	269895	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	125159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.18	65	6283	0.63	ug/L	0.00
7) Chloroethane-d5	2.40	69	394	0.05	ug/L	-0.23
11) 1,1-Dichloroethene-d2	3.63	63	15390	0.63	ug/L	-0.01
20) 2-Butanone-d5	6.62	46	9801	4.44	ug/L	0.00
24) Chloroform-d	7.21	84	22953	0.64	ug/L	-0.01
26) 1,2-Dichloroethane-d4	7.91	65	6845	0.60	ug/L	0.00
32) Benzene-d6	7.87	84	38514	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.91	67	9057	0.45	ug/L	0.00
41) Toluene-d8	9.99	98	25196	0.44	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	1995	0.41	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	4435	3.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	5255	0.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.54	152	10059	0.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	22420	0.665 ug/L	95
3) Chloromethane	2.05	50	12518	0.625 ug/L	92
5) Vinyl chloride	2.20	62	12321	0.649 ug/L	100
6) Bromomethane	2.54	94	7891	0.724 ug/L	91
9) Trichlorofluoromethane	2.97	101	9563	0.325 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	9153	0.716 ug/L	89
12) 1,1-Dichloroethene	3.65	96	9465	0.716 ug/L	87
13) Acetone	3.73	43	8874	6.402 ug/L	90
14) Carbon disulfide	3.97	76	31118	0.613 ug/L #	90
15) Methyl Acetate	4.23	43	2769	0.452 ug/L #	65
16) Methylene chloride	4.43	84	20880	0.752 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	15372	0.465 ug/L #	88
18) trans-1,2-Dichloroethene	4.92	96	18260	0.640 ug/L	94
19) 1,1-Dichloroethane	5.72	63	34204	0.629 ug/L	95
21) 2-Butanone	6.72	43	13053	4.588 ug/L	96
22) cis-1,2-Dichloroethene	6.70	96	15529	0.552 ug/L #	72
23) Bromochloromethane	7.07	128	2152	0.283 ug/L #	74
25) Chloroform	7.25	83	36456	0.731 ug/L	85
27) 1,2-Dichloroethane	8.01	62	10774	0.593 ug/L #	94
29) 1,1,1-Trichloroethane	7.45	97	25657	0.619 ug/L	98
30) Cyclohexane	7.54	56	22770	0.473 ug/L	91
31) Carbon tetrachloride	7.67	117	21250	0.619 ug/L	99
33) Benzene	7.93	78	65893	0.550 ug/L	100
34) Trichloroethene	8.73	95	16130	0.543 ug/L	89
35) Methylcyclohexane	8.97	83	22846	0.510 ug/L	94
37) 1,2-Dichloropropane	9.02	63	13234	0.553 ug/L	99
38) Bromodichloromethane	9.30	83	13411	0.542 ug/L	83
39) cis-1,3-Dichloropropene	9.73	75	12138	0.467 ug/L	84
40) 4-Methyl-2-pentanone	9.89	43	24511	3.647 ug/L	99
42) Toluene	10.05	91	51412	0.479 ug/L	98

Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration

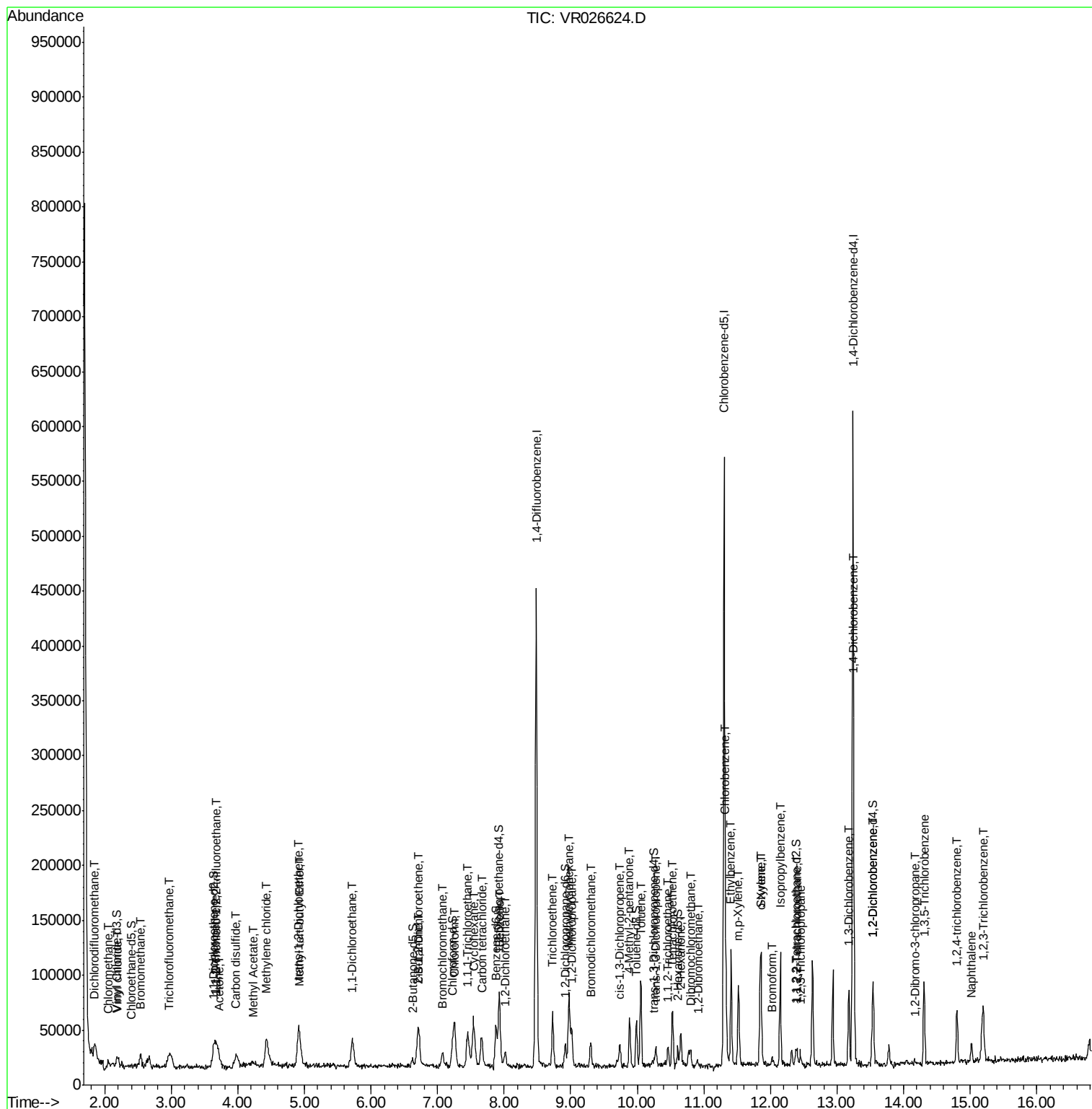
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	10.28	75	8033	0.499	ug/L	85
45) 1,1,2-Trichloroethane	10.46	97	5576	0.556	ug/L	92
47) Tetrachloroethene	10.53	164	10326	0.617	ug/L	89
48) 2-Hexanone	10.65	43	17966	4.420	ug/L	93
49) Dibromochloromethane	10.80	129	5926	0.561	ug/L	76
50) 1,2-Dibromoethane	10.91	107	5226	0.621	ug/L	89
51) Chlorobenzene	11.33	112	34334	0.591	ug/L	100
52) Ethylbenzene	11.41	91	61362	0.520	ug/L	94
53) m,p-Xylene	11.52	106	21479	0.498	ug/L	94
54) o-Xylene	11.84	106	21924	0.520	ug/L	82
55) Styrene	11.86	104	31043	0.530	ug/L	86
56) Isopropylbenzene	12.15	105	59228	0.506	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	6416	0.563	ug/L #	93
59) 1,2,3-Trichloropropane	12.45	75	5325	0.638	ug/L	95
61) Bromoform	12.03	173	2436	0.534	ug/L #	92
62) 1,3-Dichlorobenzene	13.18	146	25282	0.593	ug/L	93
63) 1,4-Dichlorobenzene	13.26	146	27330	0.667	ug/L	93
65) 1,2-Dichlorobenzene	13.55	146	21996	0.622	ug/L	90
66) 1,2-Dibromo-3-chloropropan	14.17	75	1330	0.745	ug/L #	69
67) 1,3,5-Trichlorobenzene	14.31	180	19252	0.561	ug/L	95
68) 1,2,4-trichlorobenzene	14.81	180	12082	0.482	ug/L	97
69) Naphthalene	15.02	128	12563	0.362	ug/L	96
70) 1,2,3-Trichlorobenzene	15.20	180	11256	0.538	ug/L	97

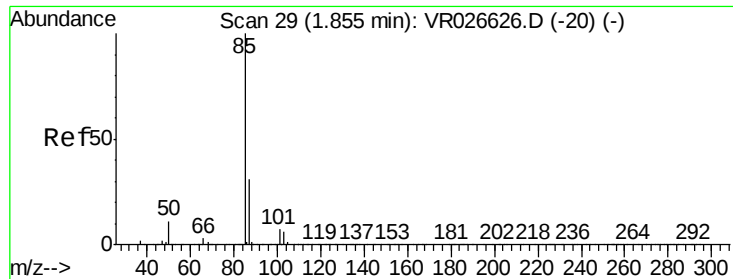
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026624.D
Acq On : 12 Sep 2019 17:32
Operator : SY/MD
Sample : VSTD0.563
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

Quant Time: Sep 13 04:58:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.665 ug/L

RT: 1.86 min Scan# 29

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

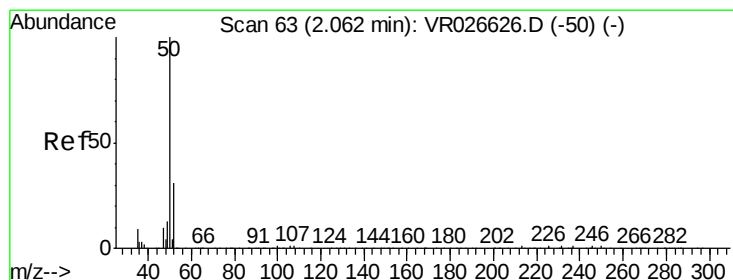
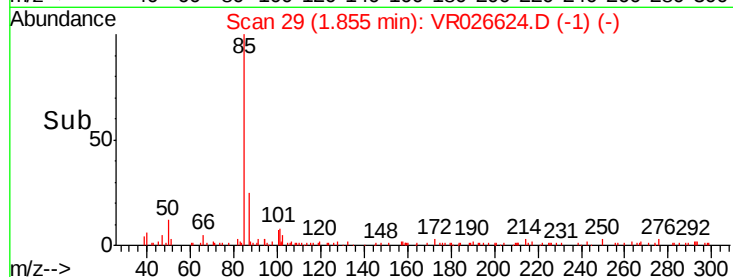
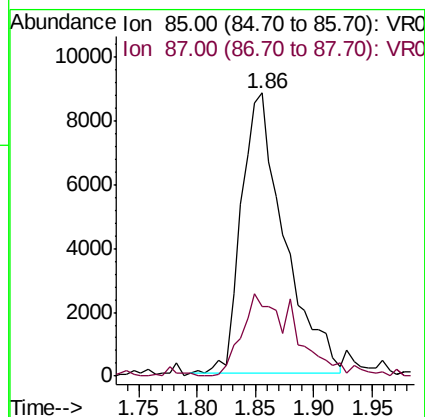
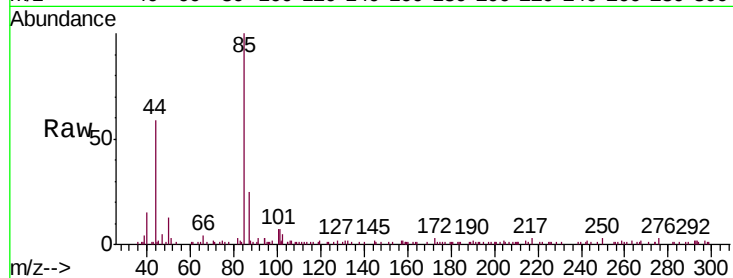
VSTD0.563

Tgt Ion: 85 Resp: 22420

Ion Ratio Lower Upper

85 100

87 35.5 26.0 39.0



#3

Chloromethane

Concen: 0.625 ug/L

RT: 2.05 min Scan# 61

Delta R.T. -0.01 min

Lab File: VR026624.D

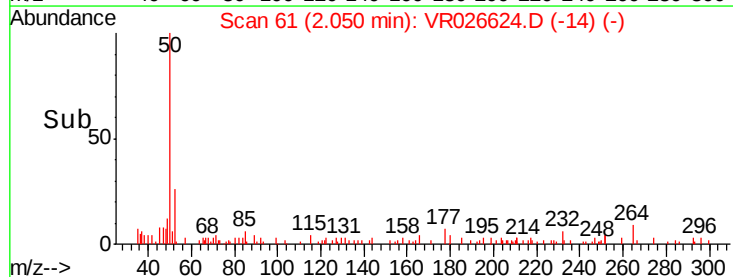
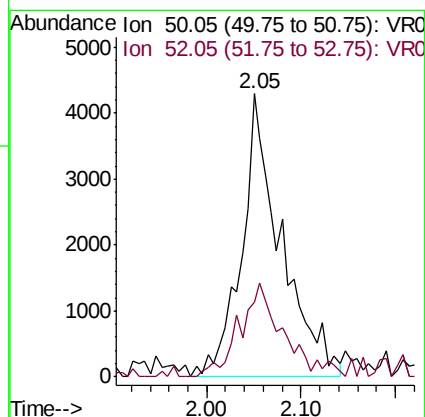
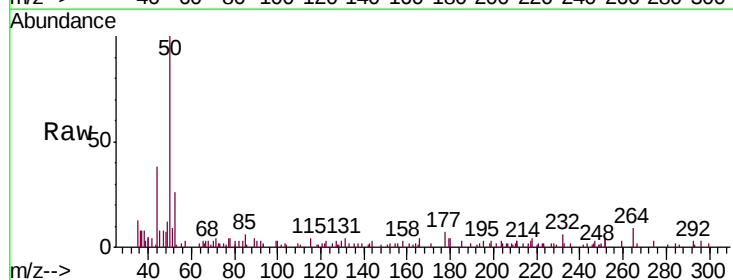
Acq: 12 Sep 2019 17:32

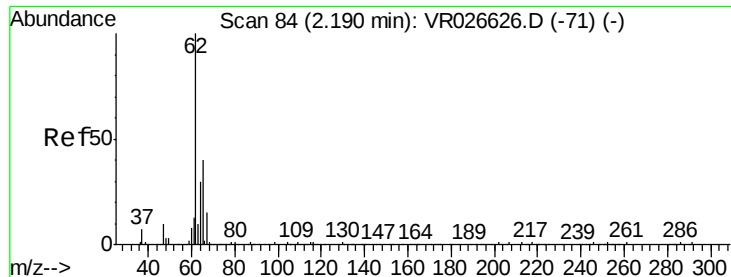
Tgt Ion: 50 Resp: 12518

Ion Ratio Lower Upper

50 100

52 26.4 21.7 40.3





#5

Vinyl chloride

Concen: 0.649 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

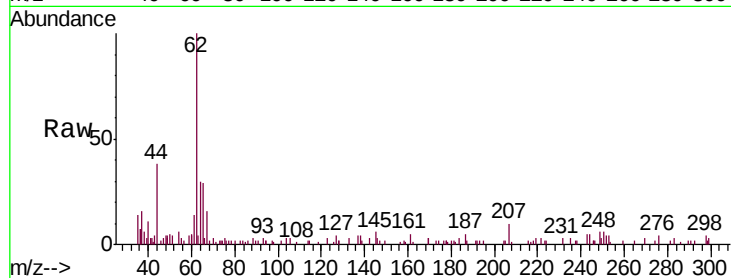
VSTD0.563

Tgt Ion: 62 Resp: 12321

Ion Ratio Lower Upper

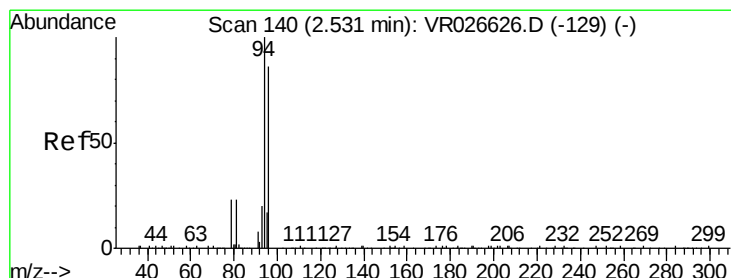
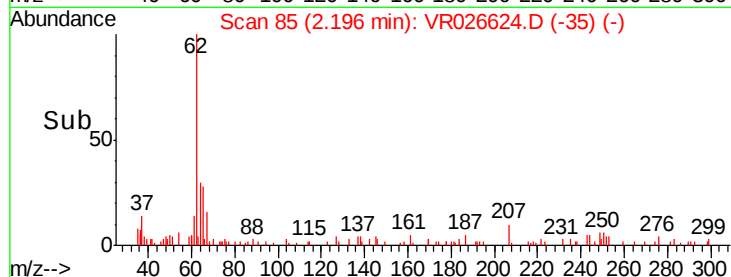
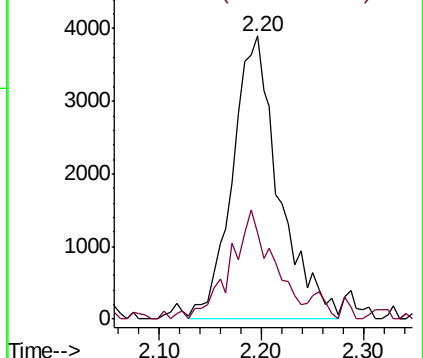
62 100

64 30.5 21.2 39.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 0.724 ug/L

RT: 2.54 min Scan# 141

Delta R.T. 0.01 min

Lab File: VR026624.D

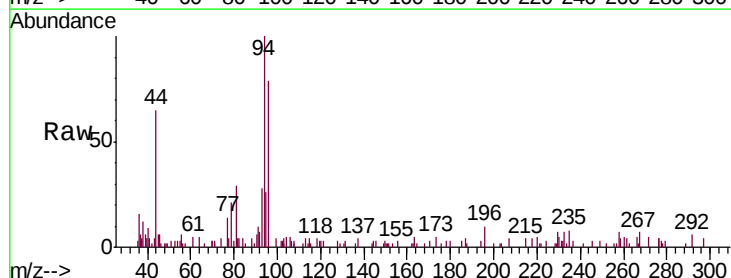
Acq: 12 Sep 2019 17:32

Tgt Ion: 94 Resp: 7891

Ion Ratio Lower Upper

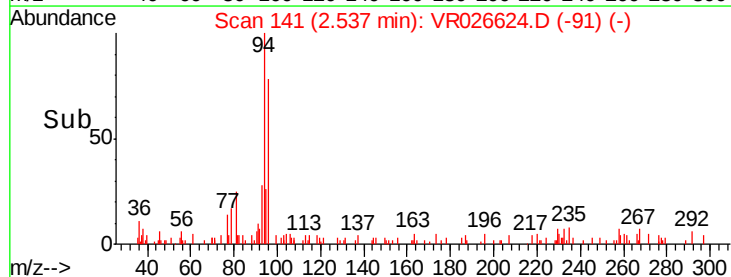
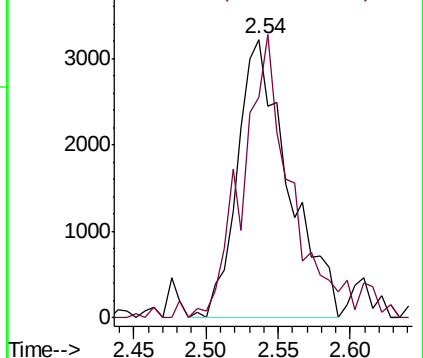
94 100

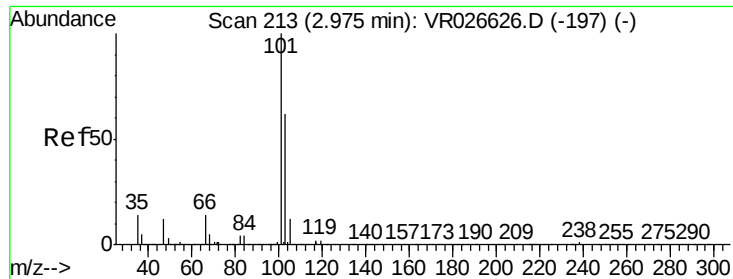
96 79.1 61.0 113.4



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#9

Trichlorofluoromethane

Concen: 0.325 ug/L

RT: 2.97 min Scan# 212

Delta R.T. -0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

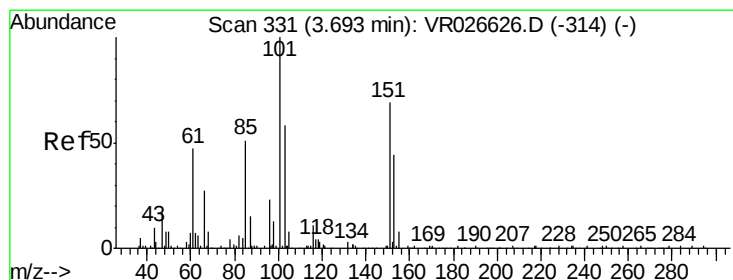
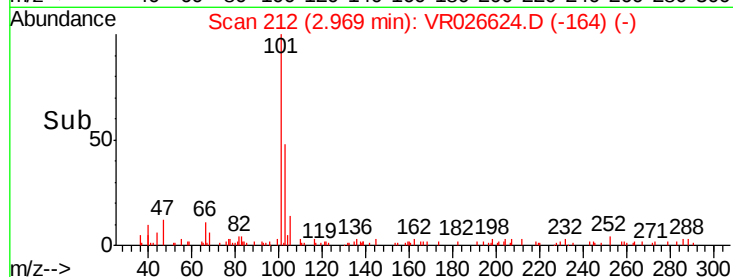
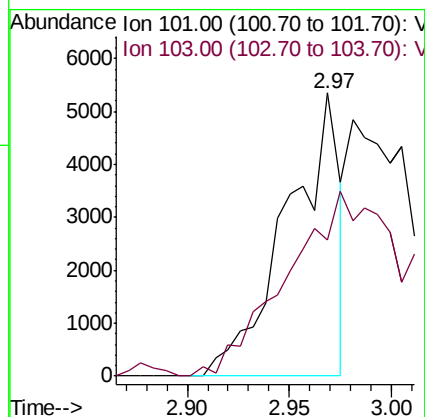
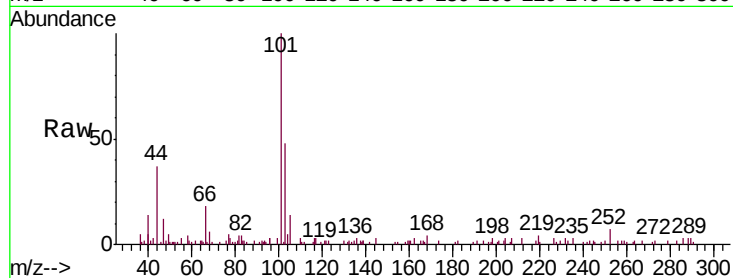
VSTD0.563

Tgt Ion:101 Resp: 9563

Ion Ratio Lower Upper

101 100

103 151.8 50.9 76.3#



#10

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

Concen: 0.716 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

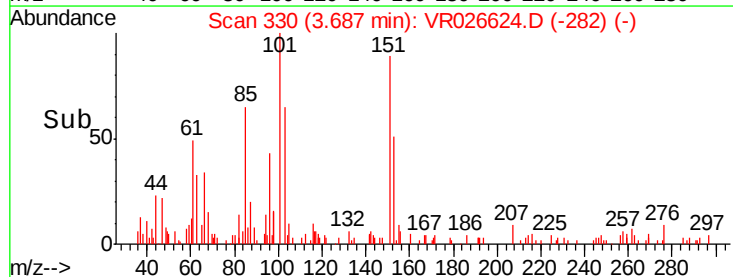
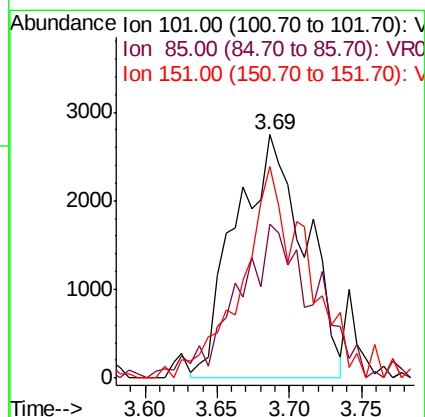
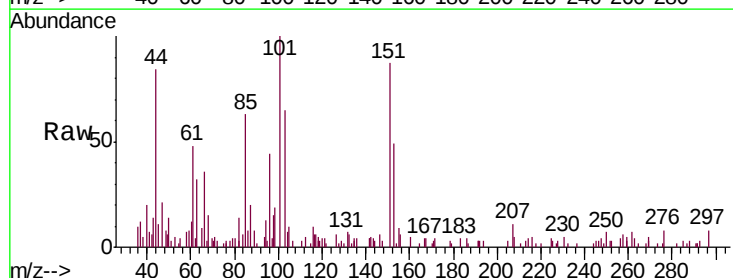
Tgt Ion:101 Resp: 9153

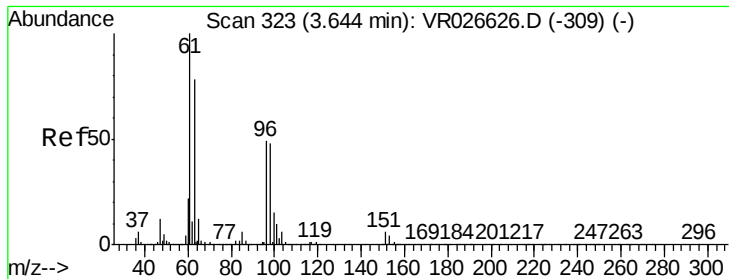
Ion Ratio Lower Upper

101 100

85 58.1 39.7 59.5

151 81.1 58.4 87.6





#12

1,1-Dichloroethene

Concen: 0.716 ug/L

RT: 3.65 min Scan# 324

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

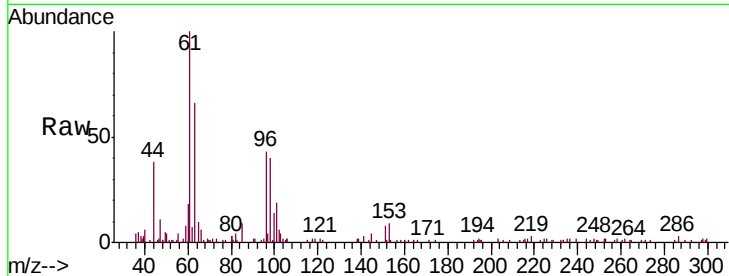
Tgt Ion: 96 Resp: 9465

Ion Ratio Lower Upper

96 100

61 235.1 143.3 266.1

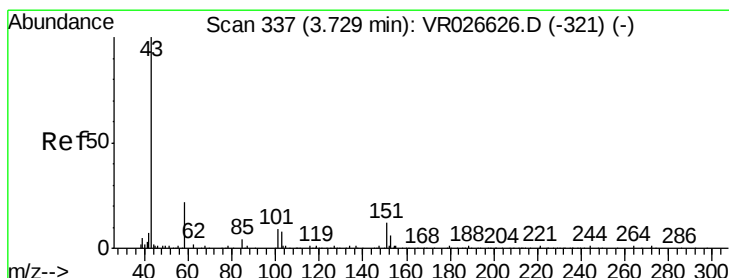
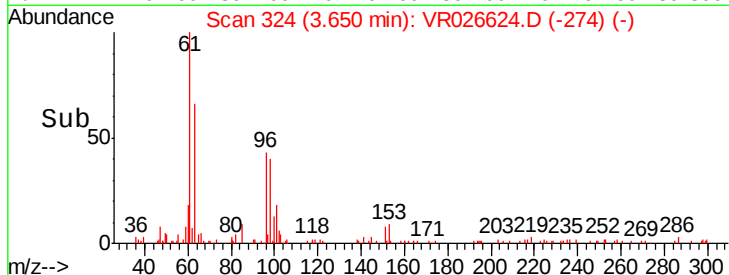
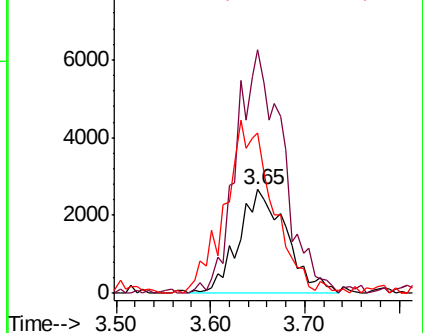
63 154.7 112.6 209.0



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 6.402 ug/L

RT: 3.73 min Scan# 337

Delta R.T. -0.00 min

Lab File: VR026624.D

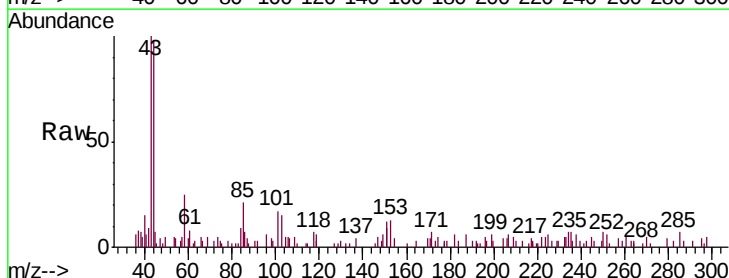
Acq: 12 Sep 2019 17:32

Tgt Ion: 43 Resp: 8874

Ion Ratio Lower Upper

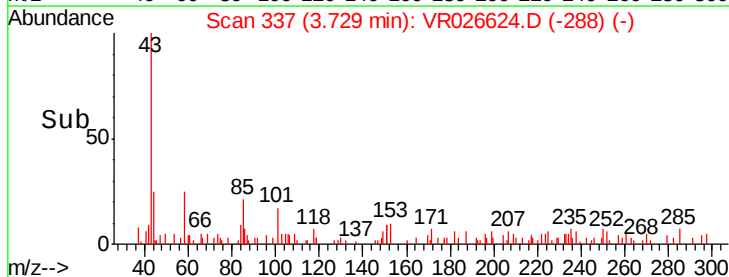
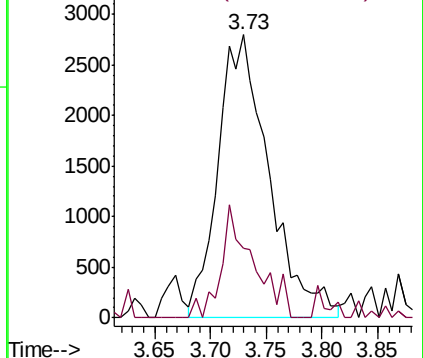
43 100

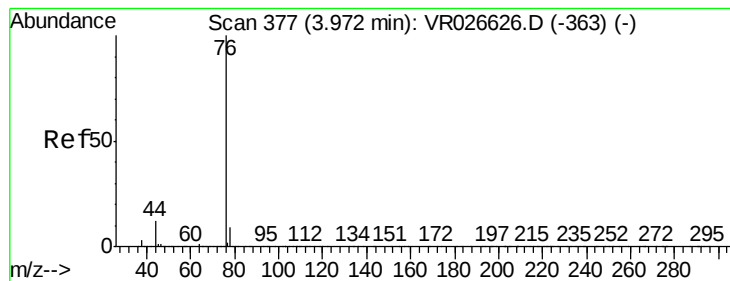
58 25.7 0.0 41.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#14

Carbon disulfide

Concen: 0.613 ug/L

RT: 3.97 min Scan# 377

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

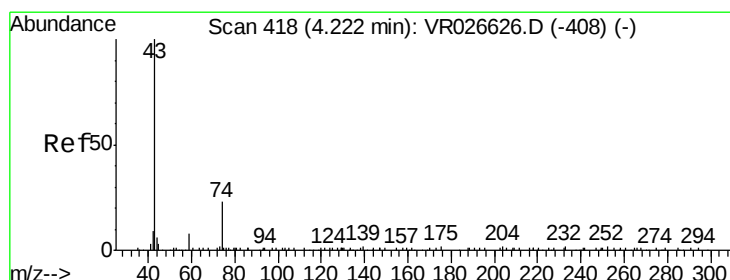
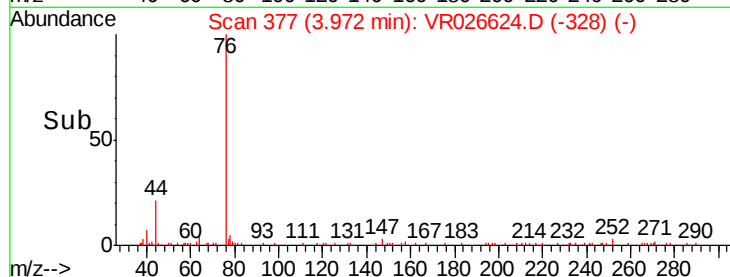
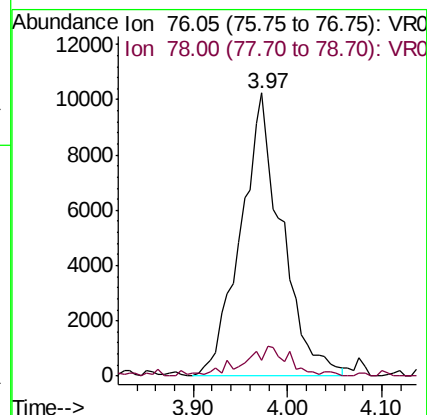
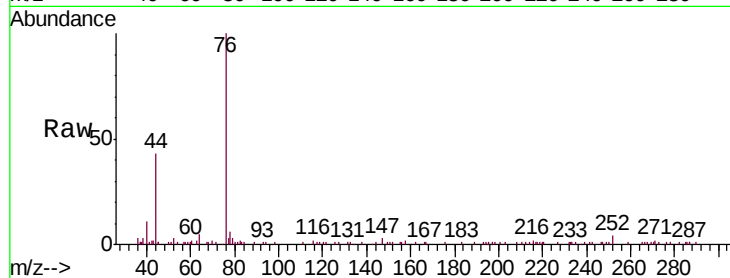
VSTD0.563

Tgt Ion: 76 Resp: 31118

Ion Ratio Lower Upper

76 100

78 5.6 7.4 11.0#



#15

Methyl Acetate

Concen: 0.452 ug/L

RT: 4.23 min Scan# 420

Delta R.T. 0.01 min

Lab File: VR026624.D

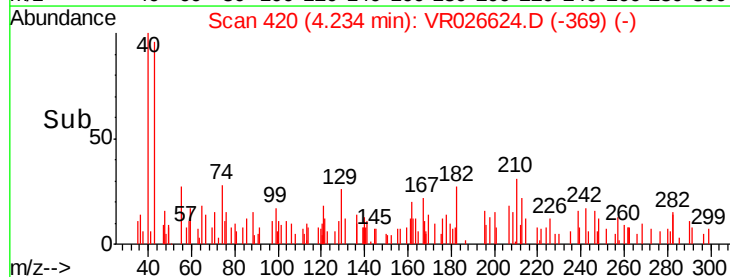
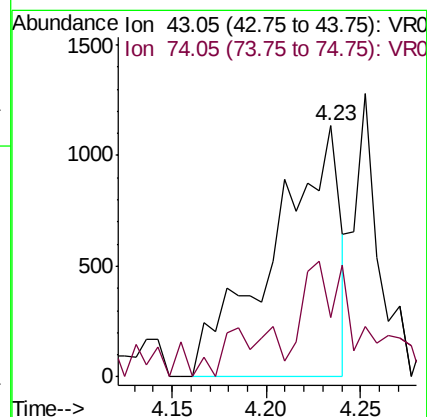
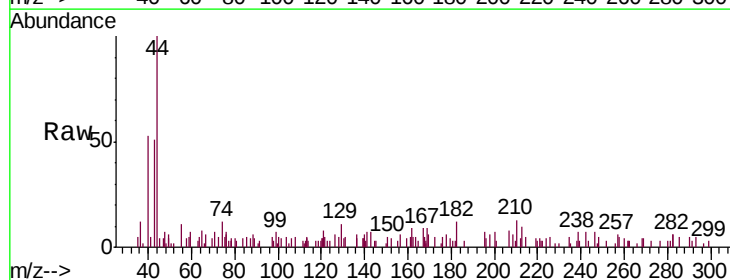
Acq: 12 Sep 2019 17:32

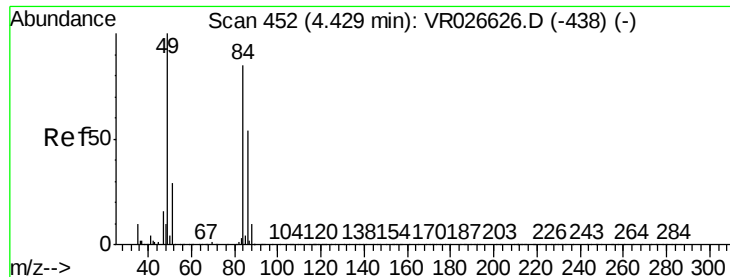
Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

43 100

74 38.8 17.5 26.3#

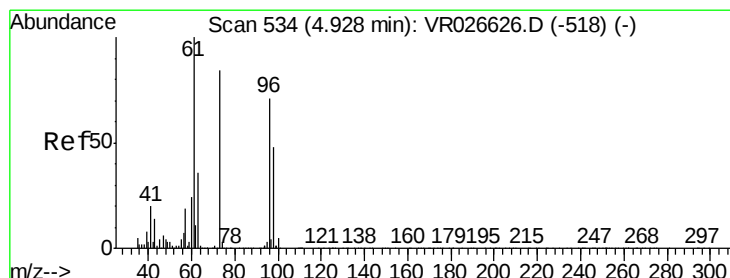
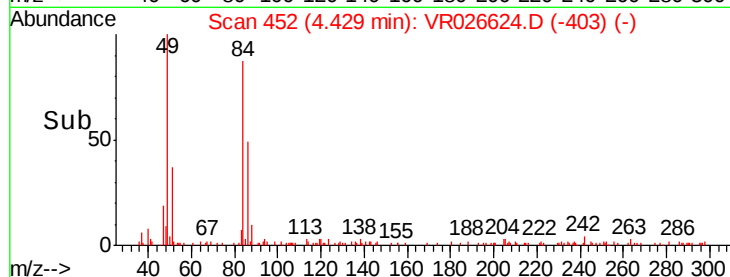
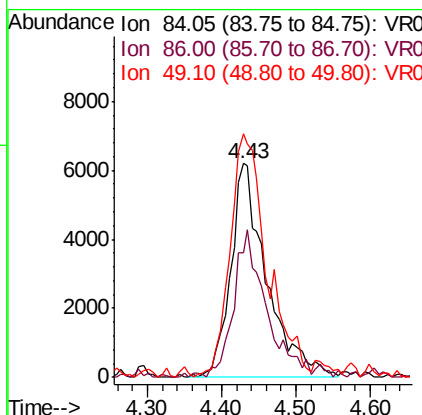
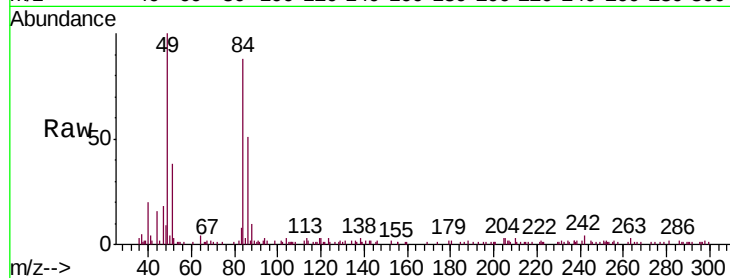




#16
Methylene chloride
Concen: 0.752 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

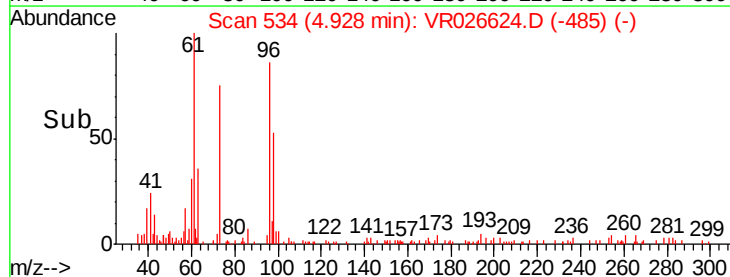
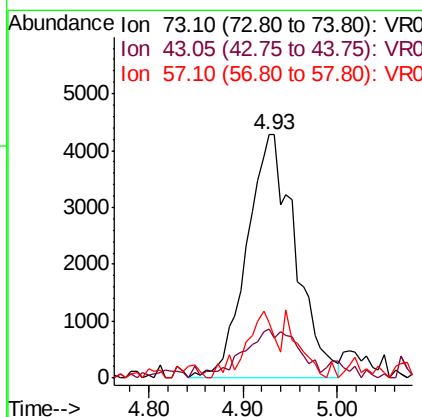
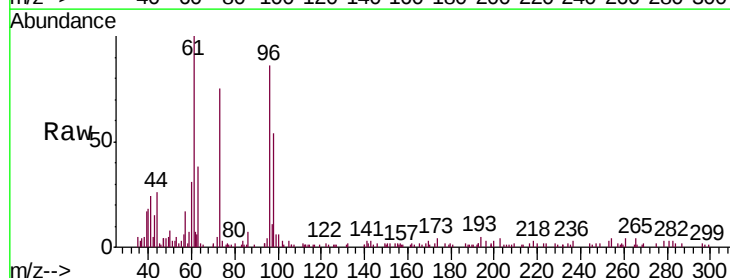
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

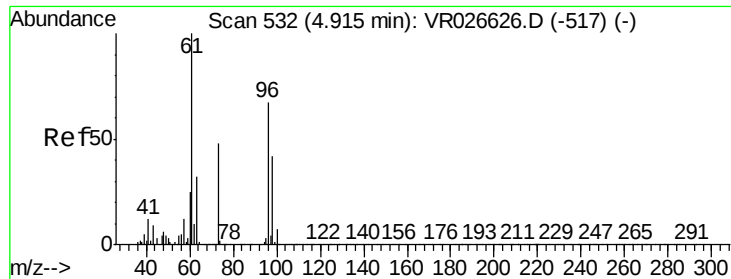
Tgt Ion: 84 Resp: 20880
Ion Ratio Lower Upper
84 100
86 58.2 44.2 82.0
49 113.8 82.3 152.9



#17
Methyl tert-butyl Ether
Concen: 0.465 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion: 73 Resp: 15372
Ion Ratio Lower Upper
73 100
43 22.4 14.7 22.1#
57 16.6 18.9 28.3#

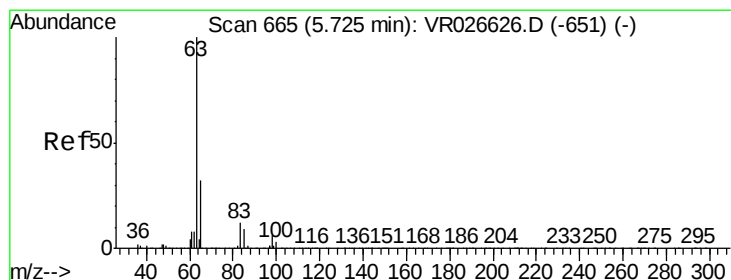
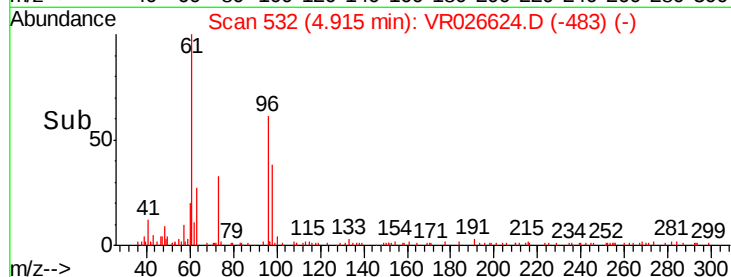
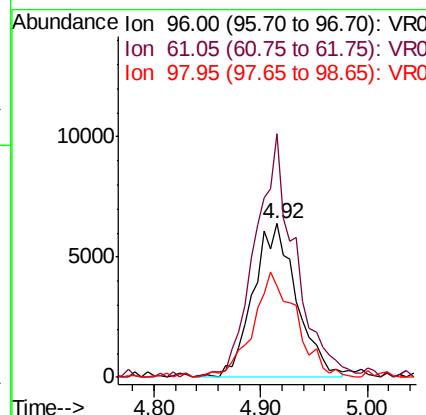
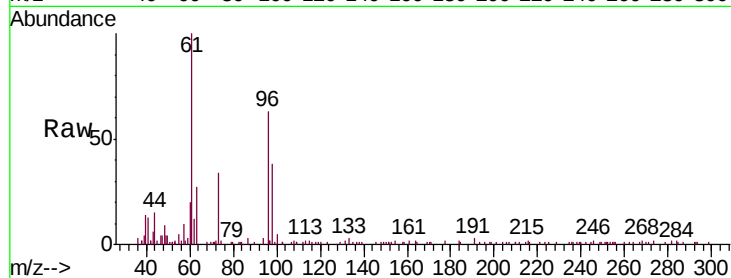




#18
trans-1,2-Dichloroethene
Concen: 0.640 ug/L
RT: 4.92 min Scan# 532
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

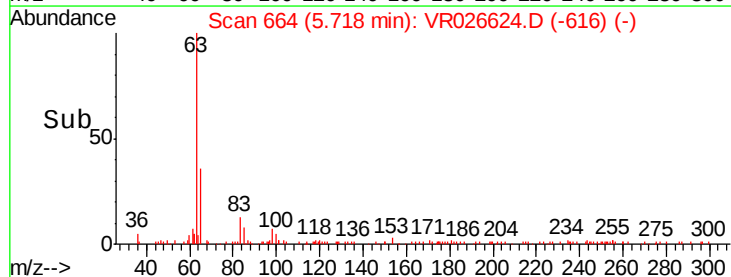
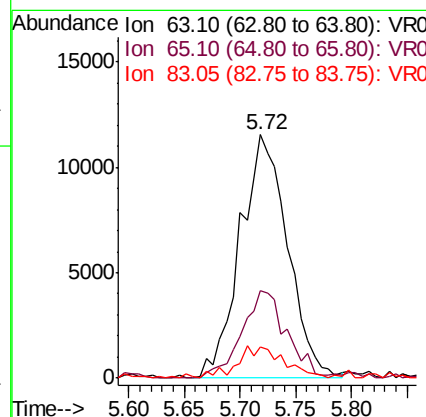
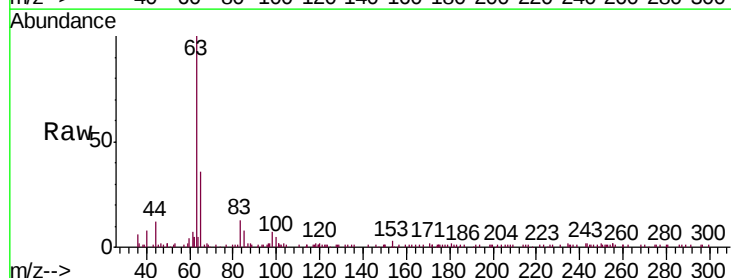
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

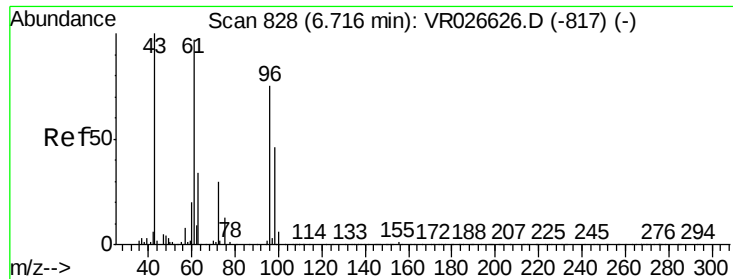
Tgt Ion: 96 Resp: 18260
Ion Ratio Lower Upper
96 100
61 158.3 104.4 194.0
98 59.5 44.2 82.0



#19
1,1-Dichloroethane
Concen: 0.629 ug/L
RT: 5.72 min Scan# 664
Delta R.T. -0.01 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion: 63 Resp: 34204
Ion Ratio Lower Upper
63 100
65 35.7 22.5 41.9
83 12.8 8.6 16.0





#21

2-Butanone

Concen: 4.588 ug/L

RT: 6.72 min Scan# 829

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

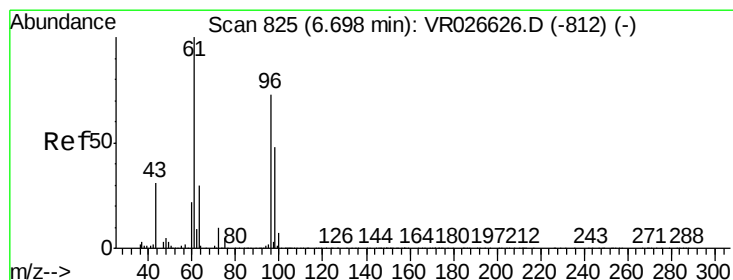
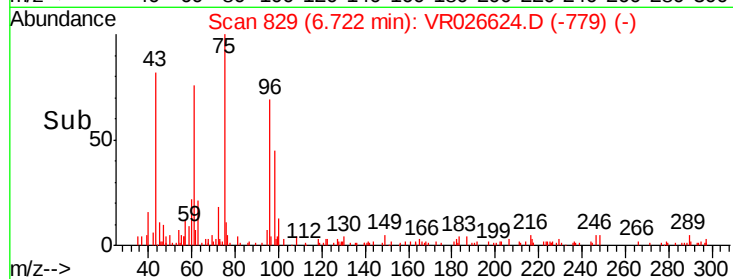
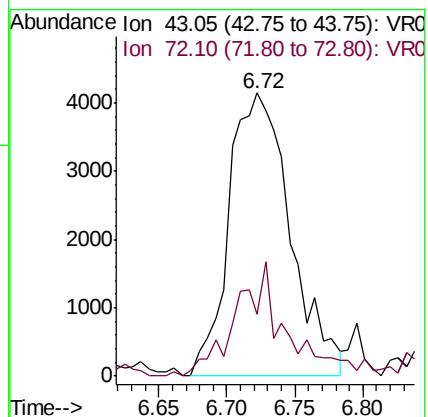
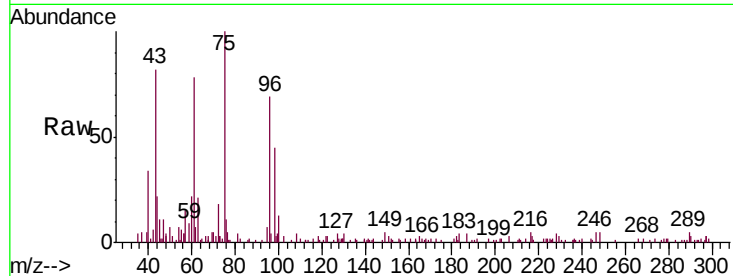
VSTD0.563

Tgt Ion: 43 Resp: 13053

Ion Ratio Lower Upper

43 100

72 32.0 15.0 45.1



#22

cis-1,2-Dichloroethene

Concen: 0.552 ug/L

RT: 6.70 min Scan# 826

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

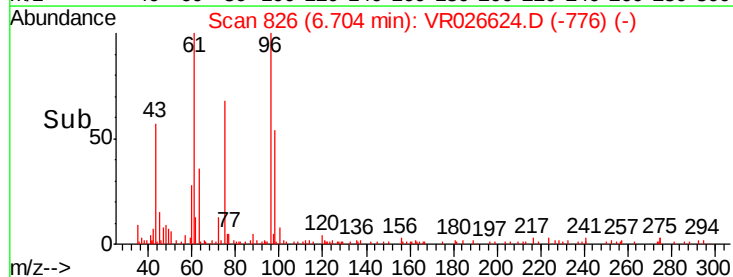
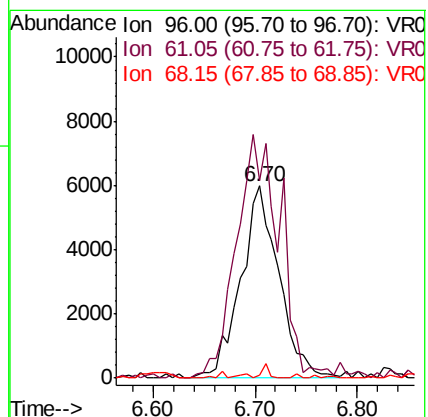
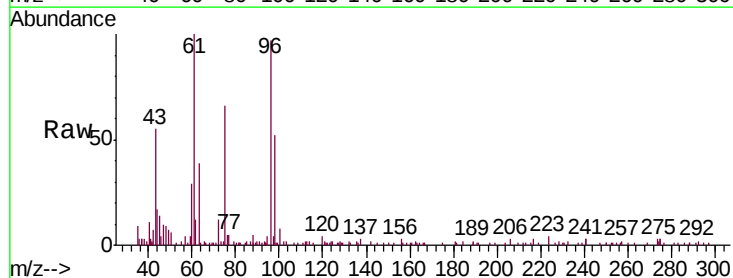
Tgt Ion: 96 Resp: 15529

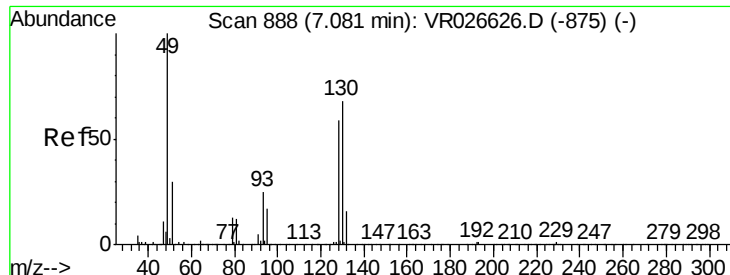
Ion Ratio Lower Upper

96 100

61 102.9 95.4 177.2

68 1.4 0.0 0.0#





#23

Bromochloromethane

Concen: 0.283 ug/L

RT: 7.07 min Scan# 886

Delta R.T. -0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

Tgt Ion:128 Resp: 2152

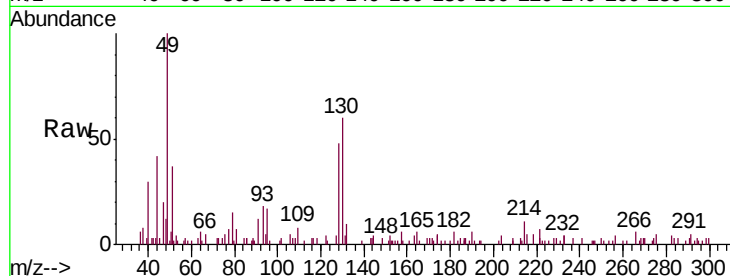
Ion Ratio Lower Upper

128 100

49 214.9 118.6 220.3

130 126.9 80.6 149.6

51 77.0 41.5 62.3#

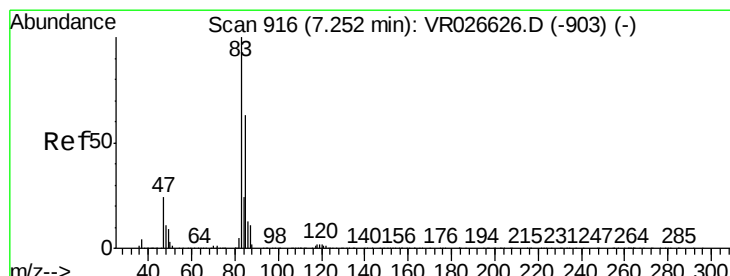
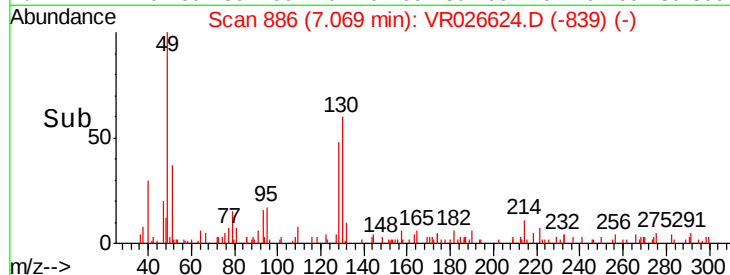
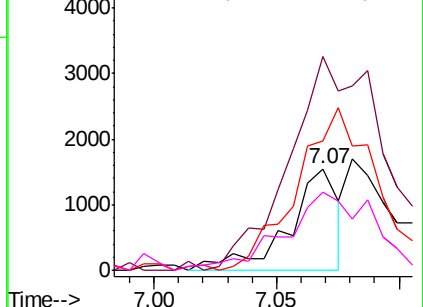


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 0.731 ug/L

RT: 7.25 min Scan# 916

Delta R.T. -0.00 min

Lab File: VR026624.D

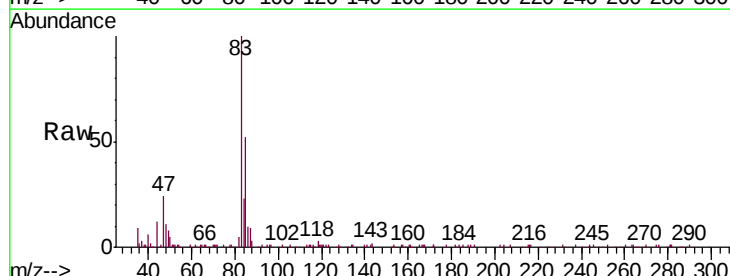
Acq: 12 Sep 2019 17:32

Tgt Ion: 83 Resp: 36456

Ion Ratio Lower Upper

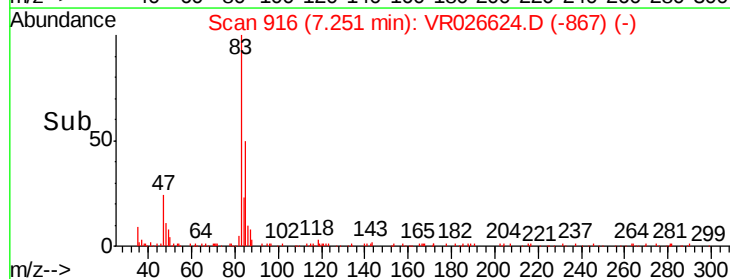
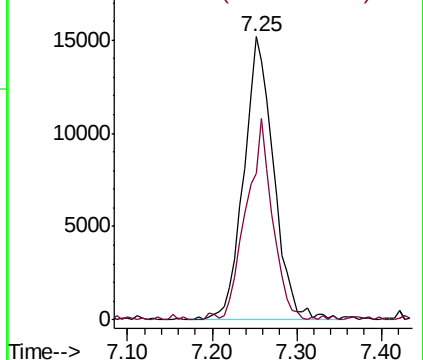
83 100

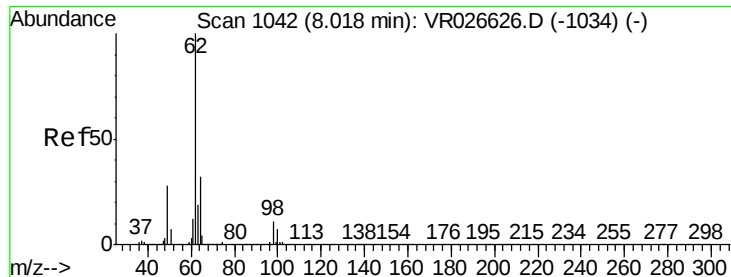
85 51.9 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

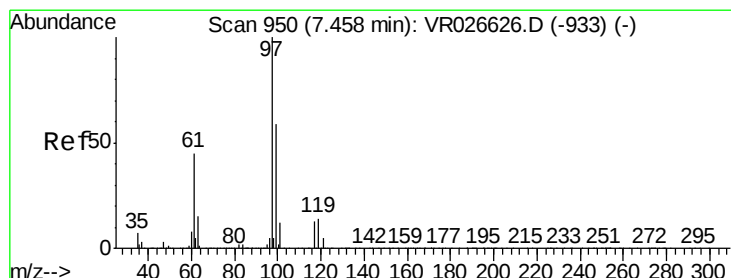
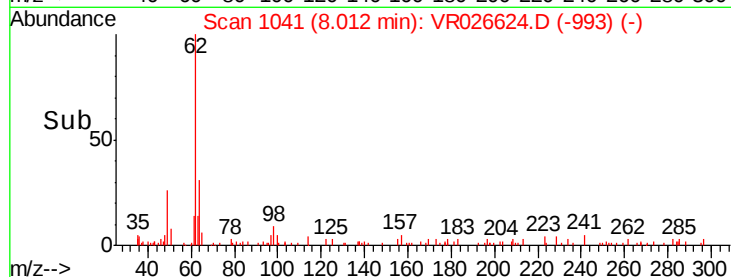
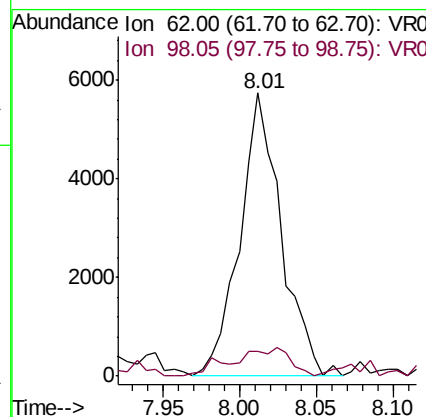
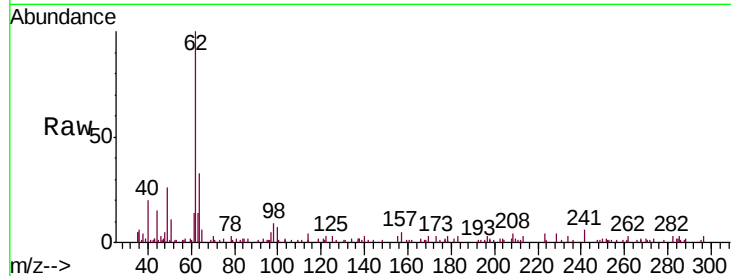




#27
 1,2-Dichloroethane
 Concen: 0.593 ug/L
 RT: 8.01 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

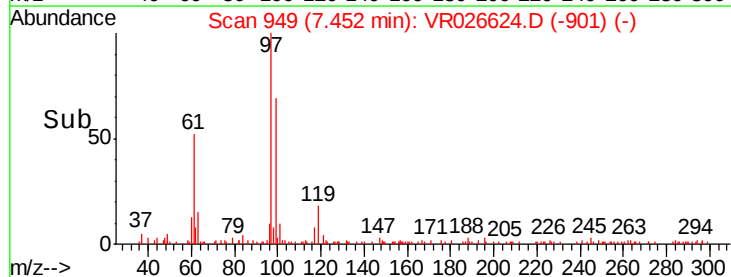
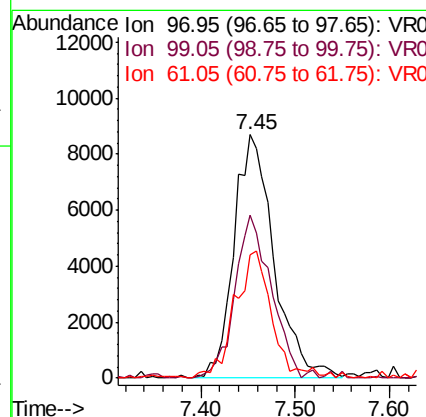
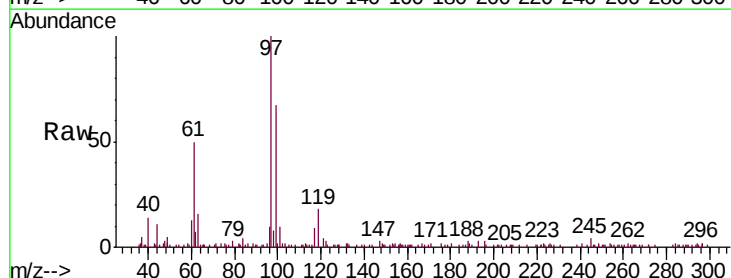
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.563

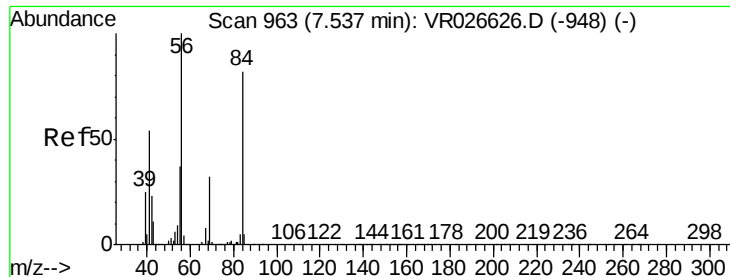
Tgt Ion: 62 Resp: 10774
 Ion Ratio Lower Upper
 62 100
 98 8.9 9.0 13.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.619 ug/L
 RT: 7.45 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

Tgt Ion: 97 Resp: 25657
 Ion Ratio Lower Upper
 97 100
 99 60.7 50.1 75.1
 61 47.8 37.8 56.8

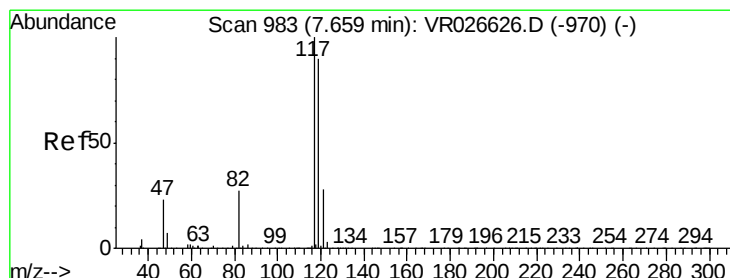
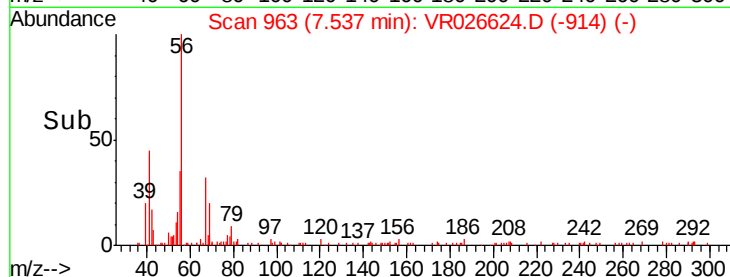
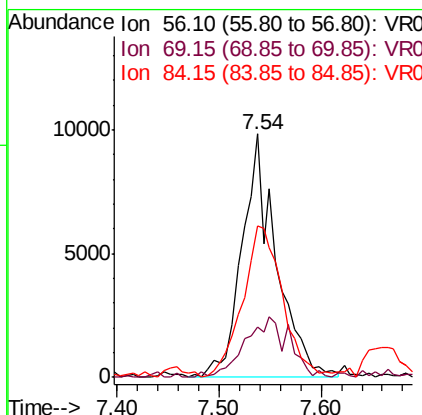
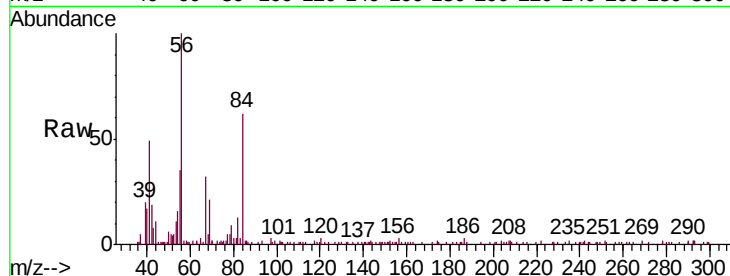




#30
Cyclohexane
Concen: 0.473 ug/L
RT: 7.54 min Scan# 963
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

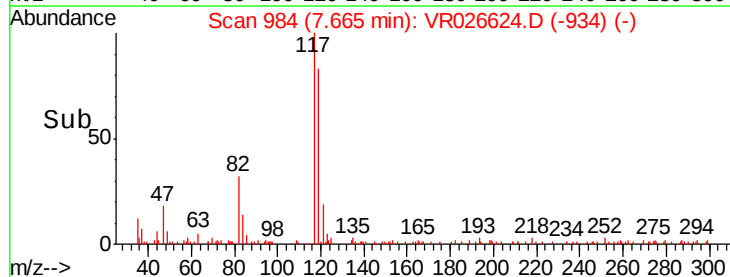
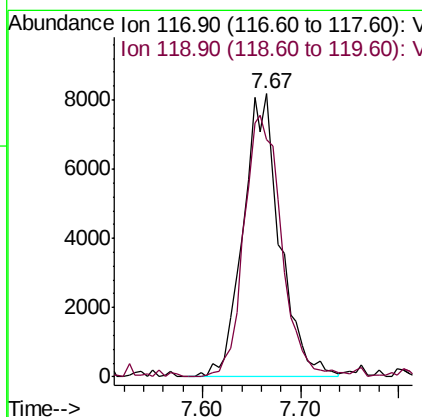
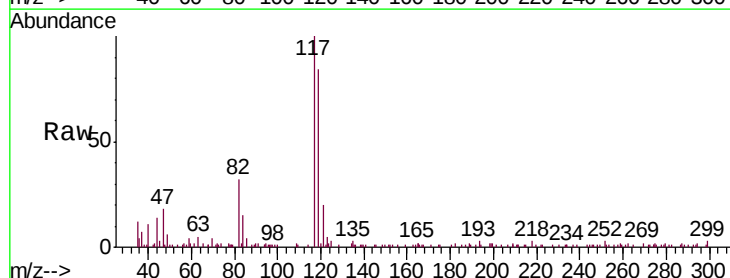
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

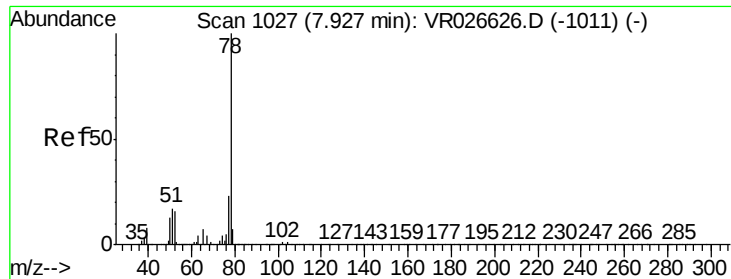
Tgt Ion: 56 Resp: 22770
Ion Ratio Lower Upper
56 100
69 32.3 25.9 38.9
84 73.2 67.6 101.4



#31
Carbon tetrachloride
Concen: 0.619 ug/L
RT: 7.67 min Scan# 984
Delta R.T. 0.01 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion: 117 Resp: 21250
Ion Ratio Lower Upper
117 100
119 94.5 76.6 115.0





#33

Benzene

Concen: 0.550 ug/L

RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

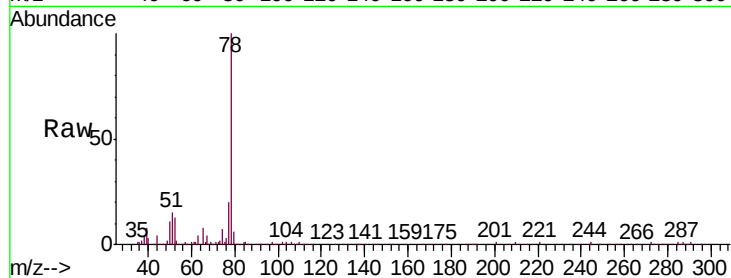
Instrument :

MSVOA_R

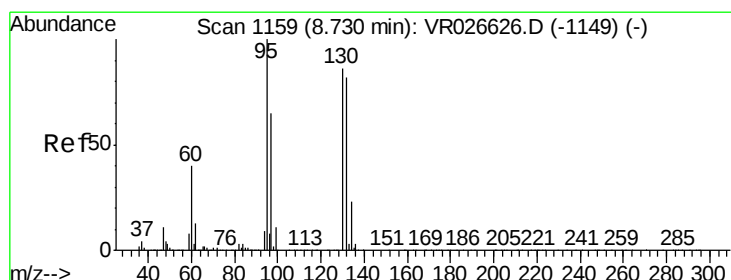
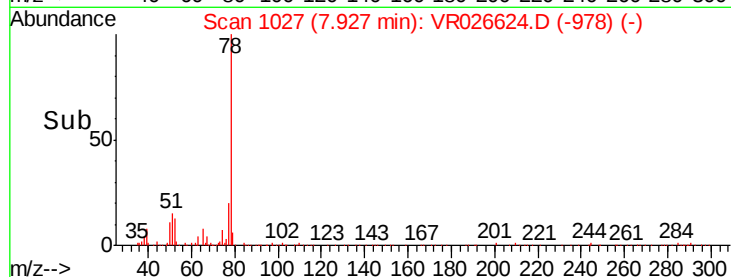
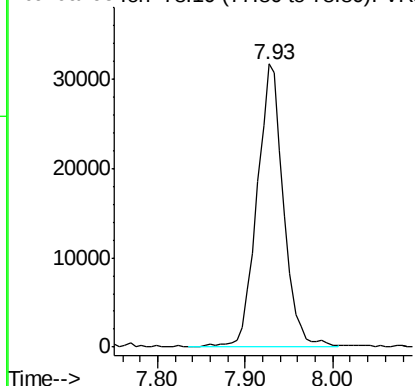
ClientSampleId :

VSTD0.563

Tgt Ion: 78 Resp: 65893



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.543 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Tgt Ion: 95 Resp: 16130

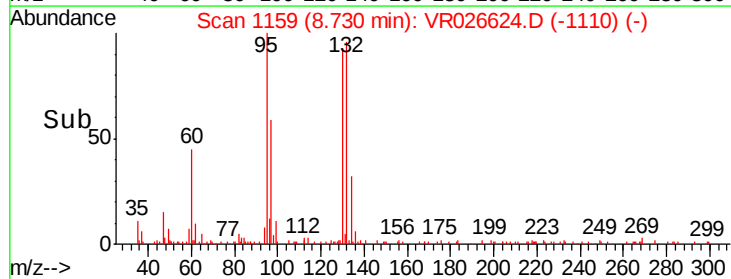
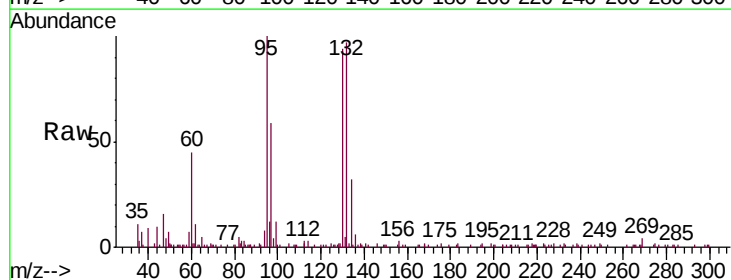
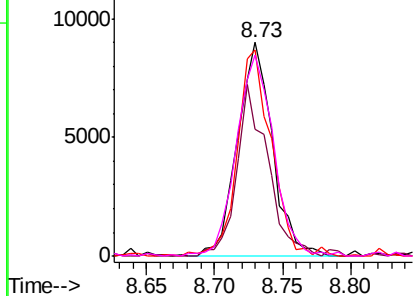
Ion	Ratio	Lower	Upper
95	100		
97	59.5	45.6	84.6
132	96.7	57.3	106.5
130	94.3	60.1	111.5

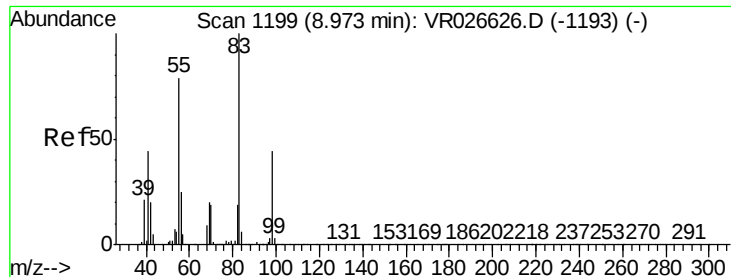
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

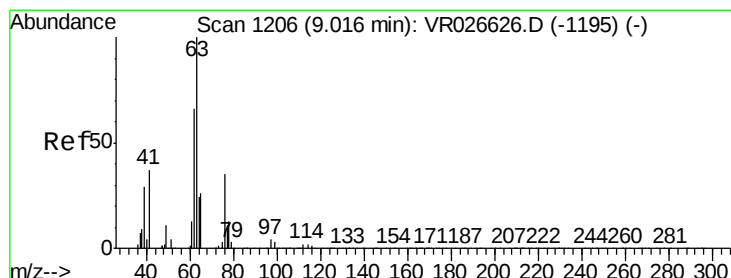
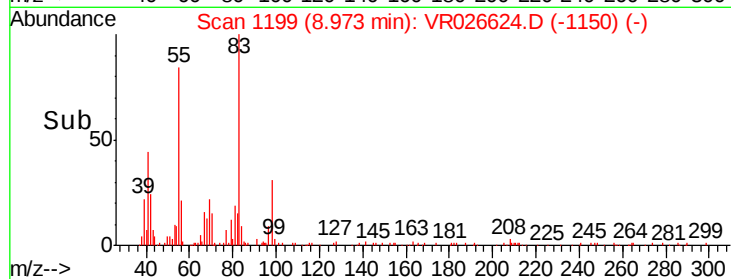
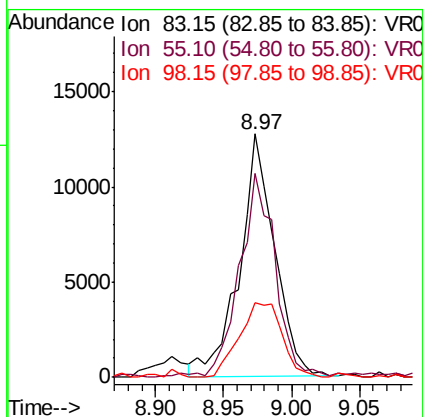
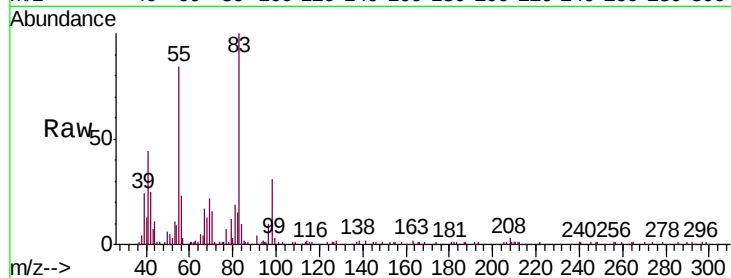




#35
Methylcyclohexane
Concen: 0.510 ug/L
RT: 8.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

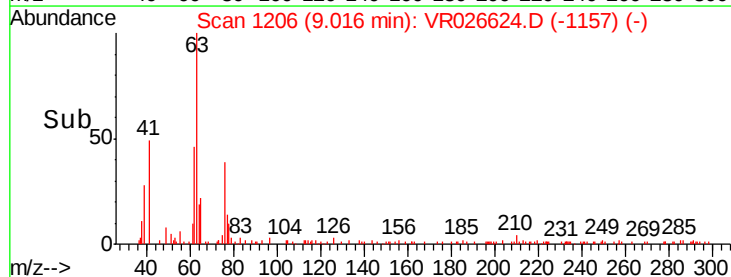
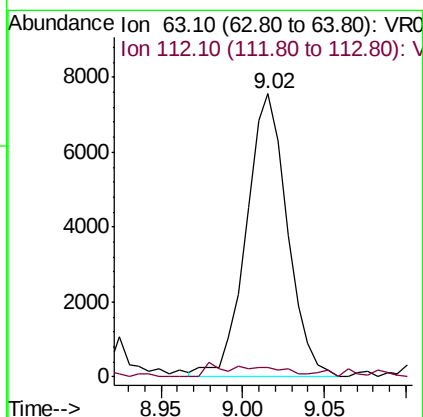
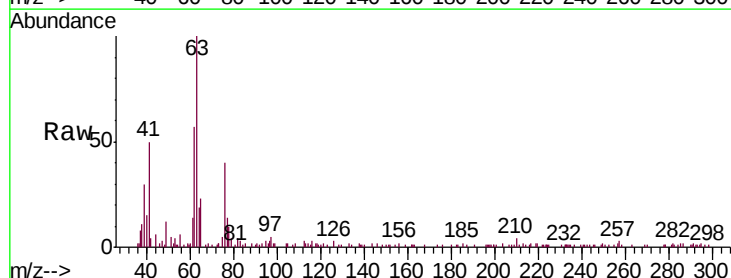
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

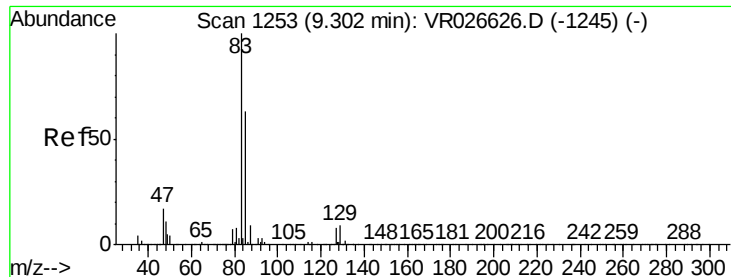
Tgt Ion: 83 Resp: 22846
Ion Ratio Lower Upper
83 100
55 83.1 63.5 95.3
98 37.7 35.4 53.0



#37
1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 9.02 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion: 63 Resp: 13234
Ion Ratio Lower Upper
63 100
112 4.3 3.1 4.7





#38

Bromodichloromethane

Concen: 0.542 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

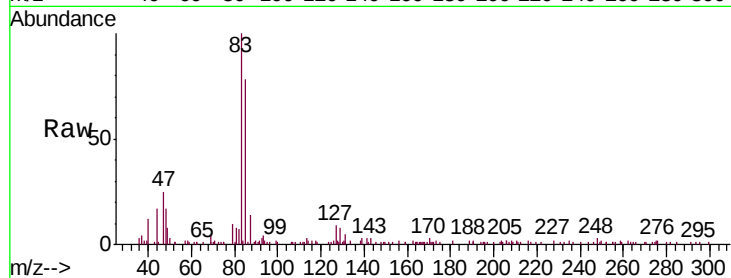
Tgt Ion: 83 Resp: 13411

Ion Ratio Lower Upper

83 100

85 77.6 44.0 81.8

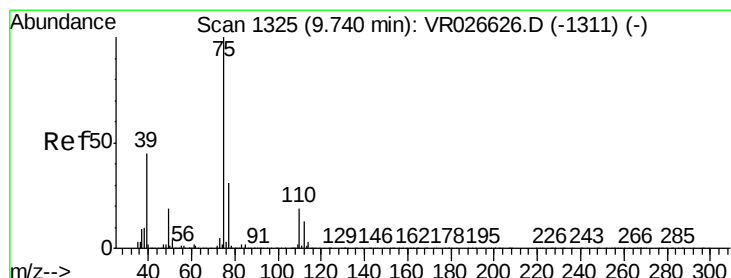
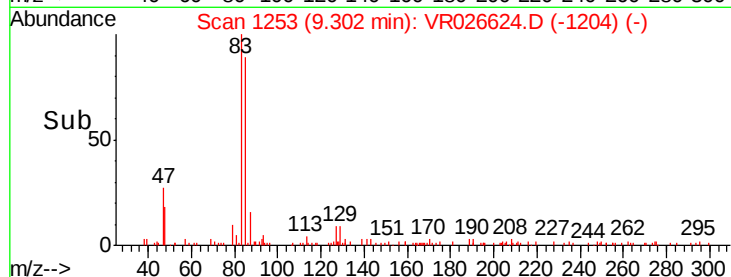
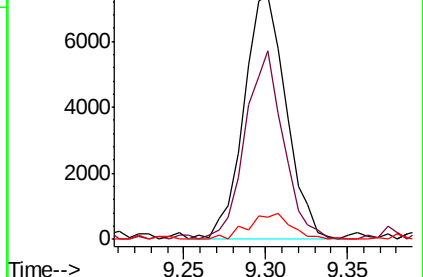
127 9.1 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): VR0



#39

cis-1,3-Dichloropropene

Concen: 0.467 ug/L

RT: 9.73 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VR026624.D

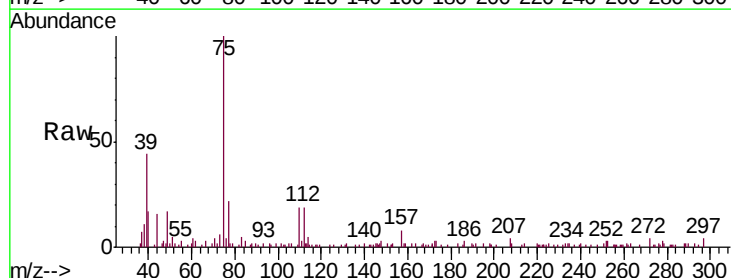
Acq: 12 Sep 2019 17:32

Tgt Ion: 75 Resp: 12138

Ion Ratio Lower Upper

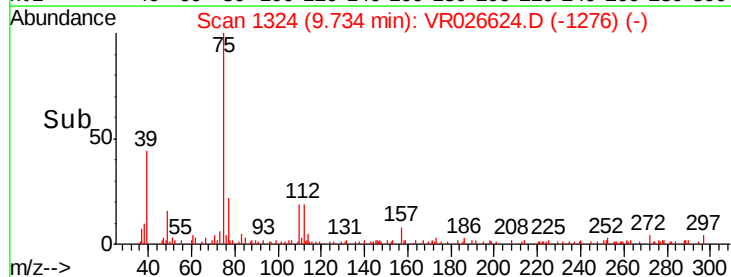
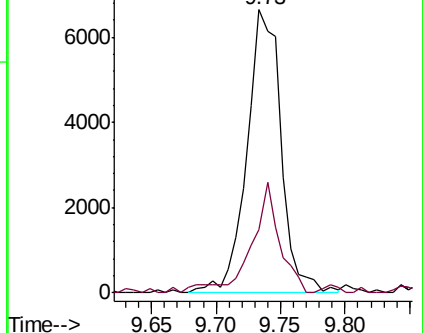
75 100

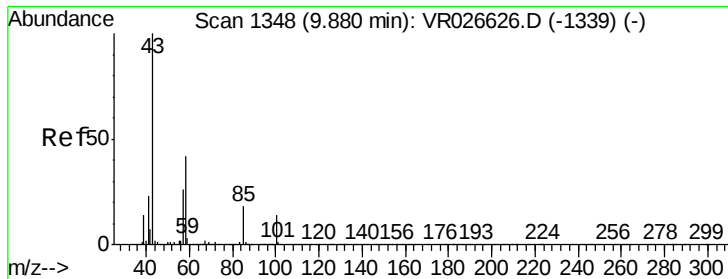
77 22.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

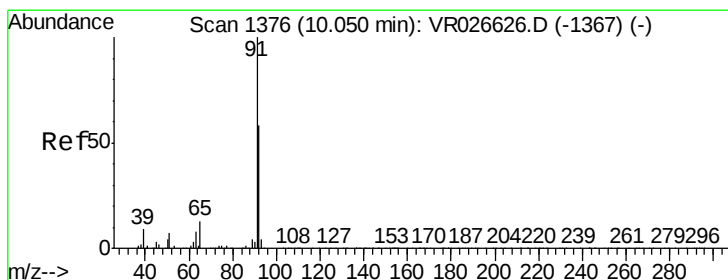
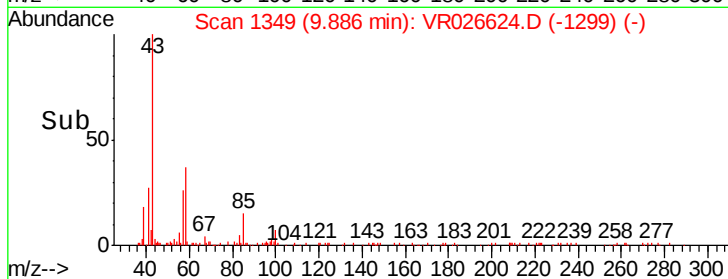
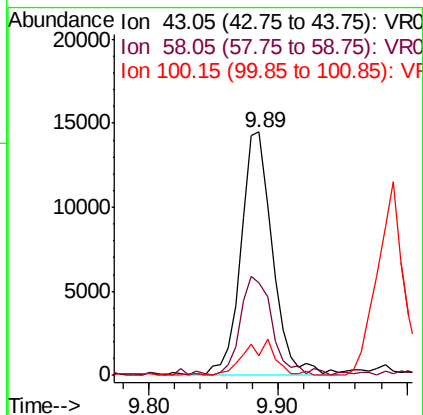
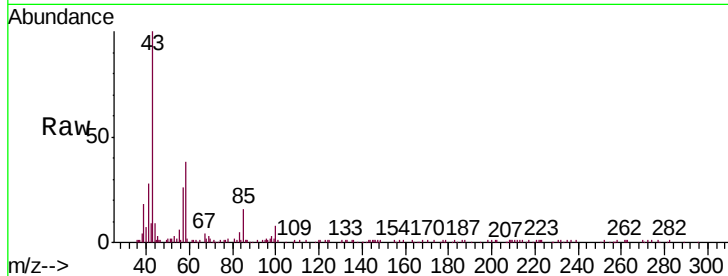




#40
4-Methyl-2-pentanone
Concen: 3.647 ug/L
RT: 9.89 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

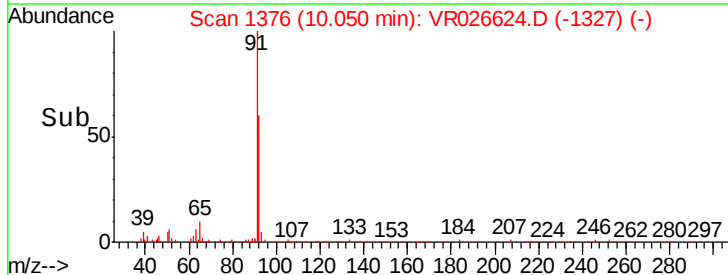
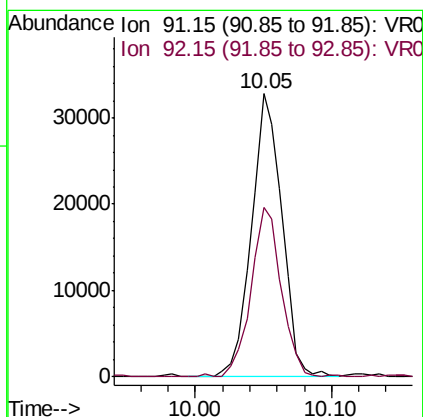
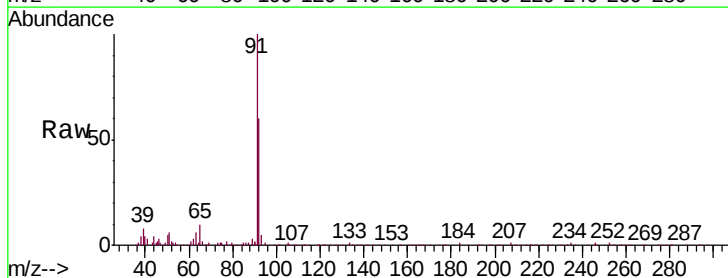
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

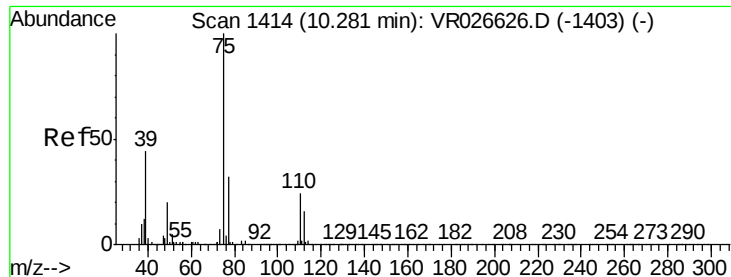
Tgt Ion:	43	Resp:	24511
Ion	Ratio	Lower	Upper
43	100		
58	41.3	32.6	48.8
100	13.7	11.7	17.5



#42
Toluene
Concen: 0.479 ug/L
RT: 10.05 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion:	91	Resp:	51412
Ion	Ratio	Lower	Upper
91	100		
92	60.0	40.8	75.8





#44

trans-1,3-Dichloropropene

Concen: 0.499 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampled :

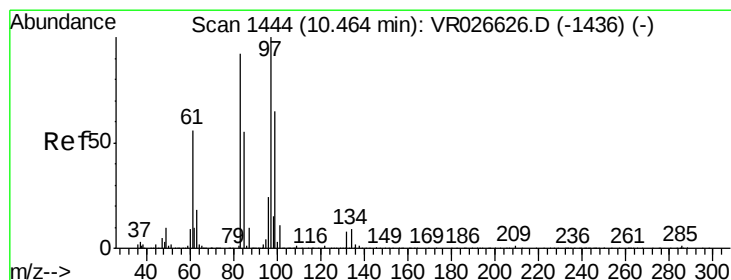
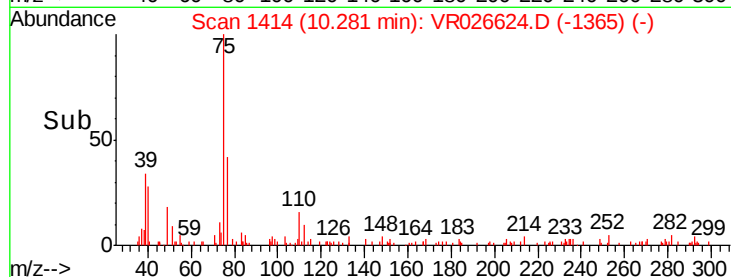
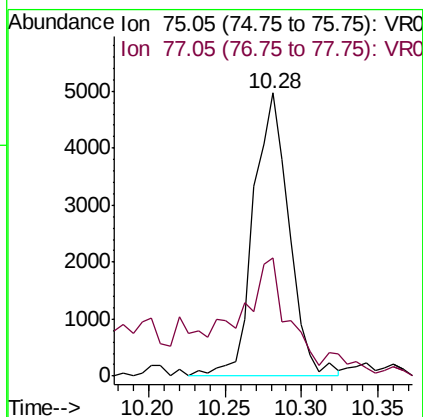
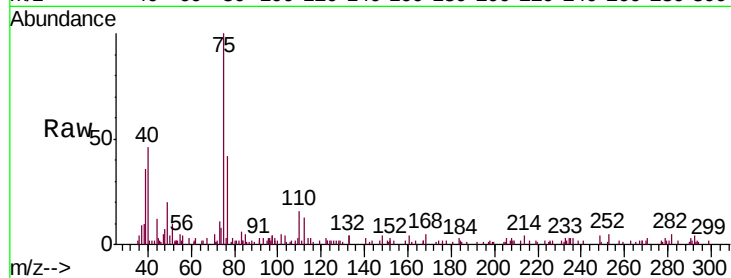
VSTD0.563

Tgt Ion: 75 Resp: 8033

Ion Ratio Lower Upper

75 100

77 41.7 23.1 42.9



#45

1,1,2-Trichloroethane

Concen: 0.556 ug/L

RT: 10.46 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Tgt Ion: 97 Resp: 5576

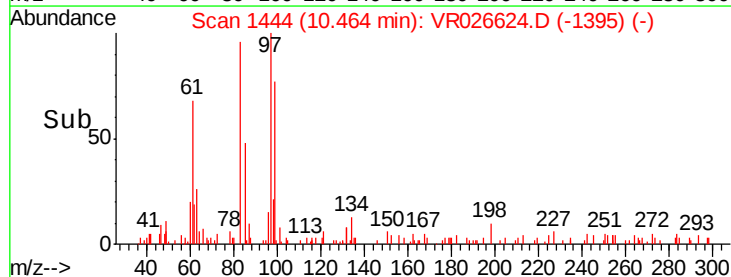
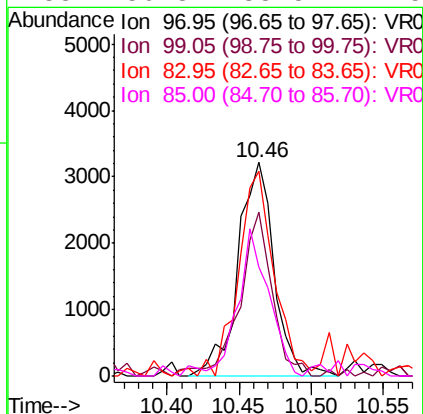
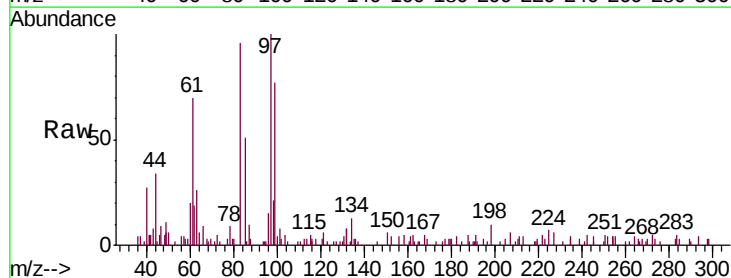
Ion Ratio Lower Upper

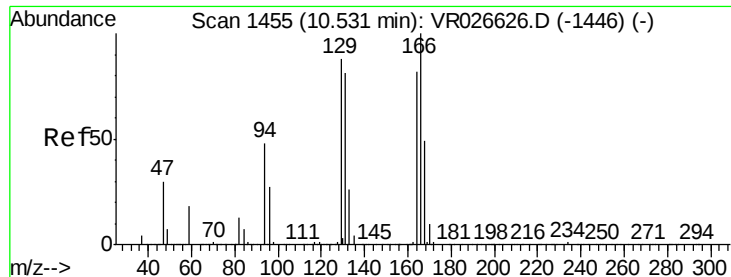
97 100

99 76.7 45.6 84.6

83 95.8 64.5 119.9

85 50.8 38.5 71.5





#47

Tetrachloroethene

Concen: 0.617 ug/L

RT: 10.53 min Scan# 1455

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

Tgt Ion:164 Resp: 10326

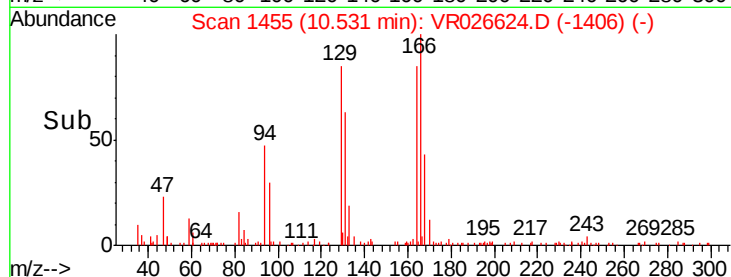
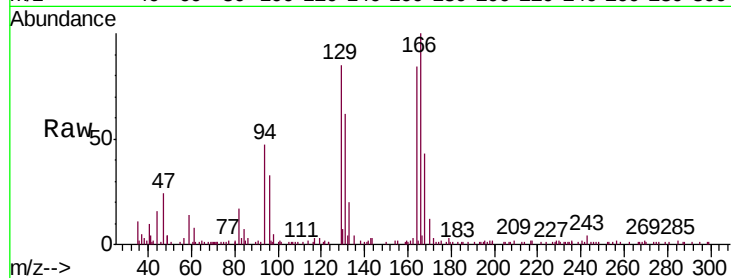
Ion Ratio Lower Upper

164 100

129 100.5 74.8 139.0

131 73.8 69.1 128.3

166 118.7 85.2 158.2

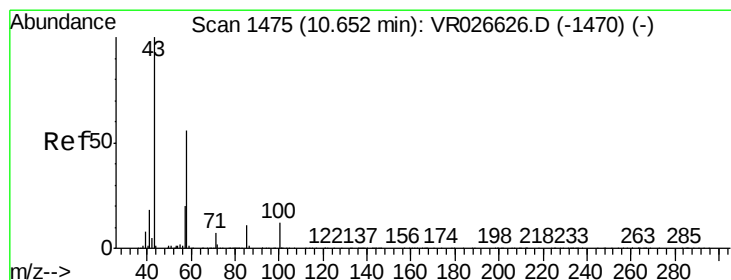
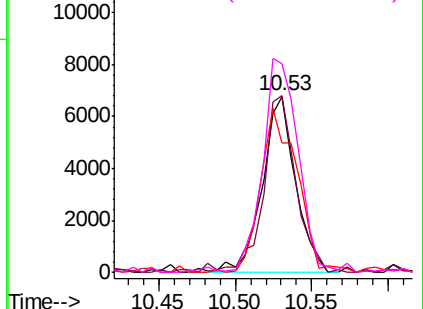


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.420 ug/L

RT: 10.65 min Scan# 1475

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Tgt Ion: 43 Resp: 17966

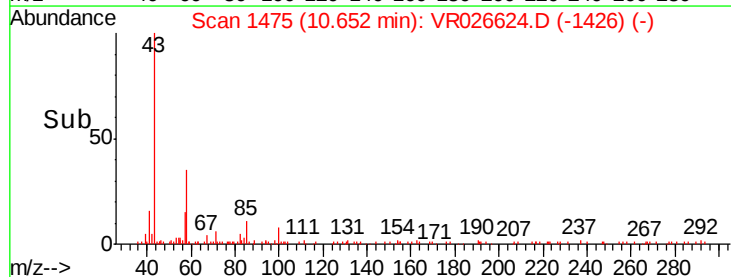
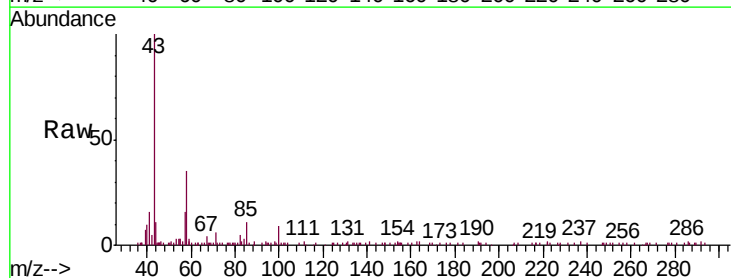
Ion Ratio Lower Upper

43 100

58 51.6 46.4 69.6

57 22.8 16.7 25.1

100 11.1 8.6 13.0

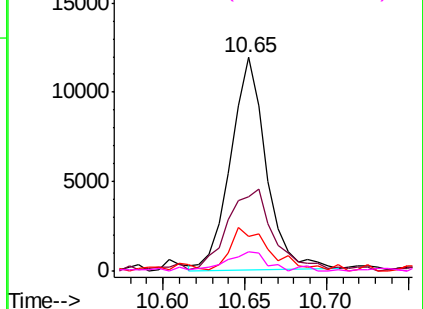


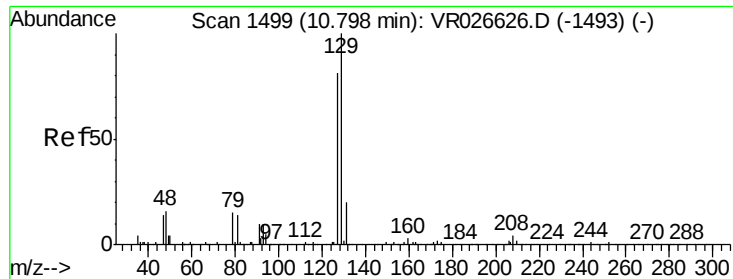
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 0.561 ug/L

RT: 10.80 min Scan# 1500

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

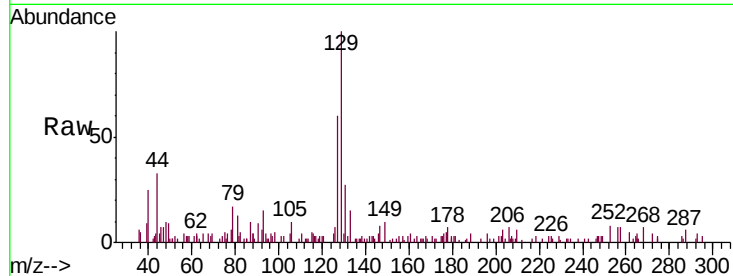
VSTD0.563

Tgt Ion:129 Resp: 5926

Ion Ratio Lower Upper

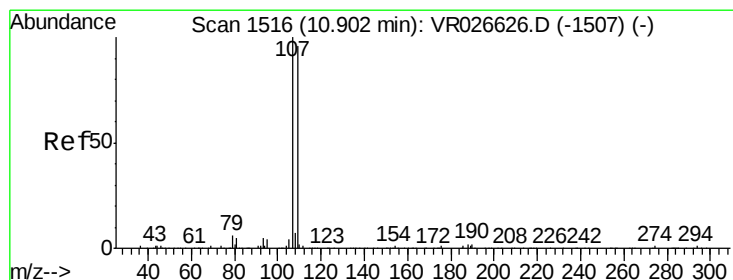
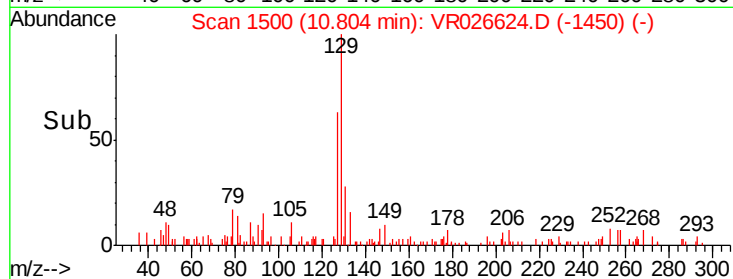
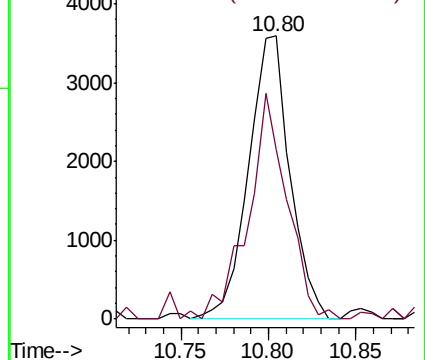
129 100

127 59.7 57.0 105.9



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.621 ug/L

RT: 10.91 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

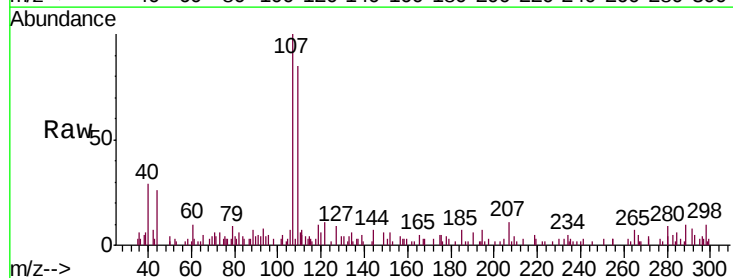
Tgt Ion:107 Resp: 5226

Ion Ratio Lower Upper

107 100

109 84.6 67.2 124.8

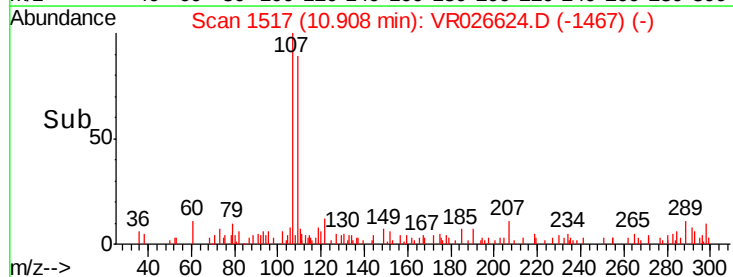
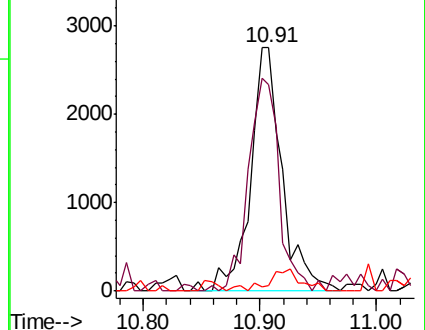
188 2.4 1.8 2.8

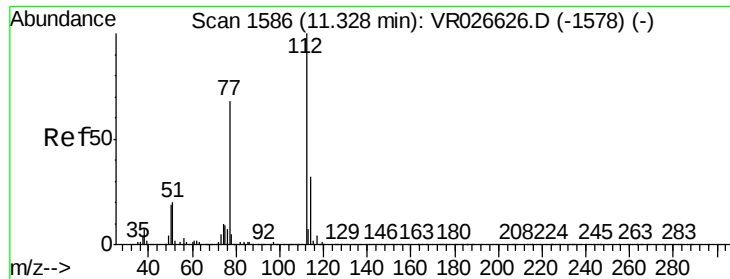


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.591 ug/L

RT: 11.33 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

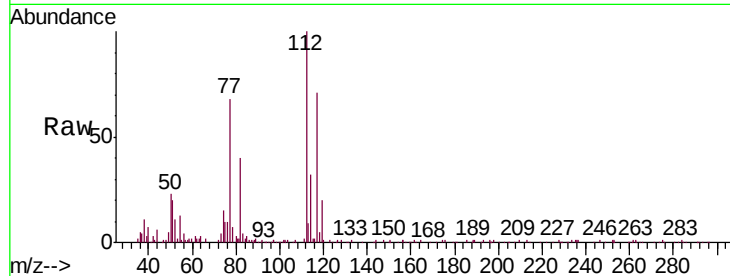
Tgt Ion: 112 Resp: 34334

Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.1

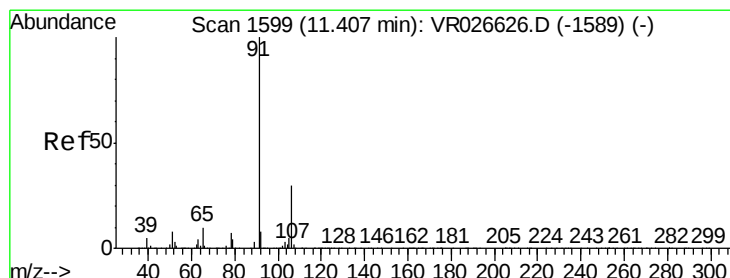
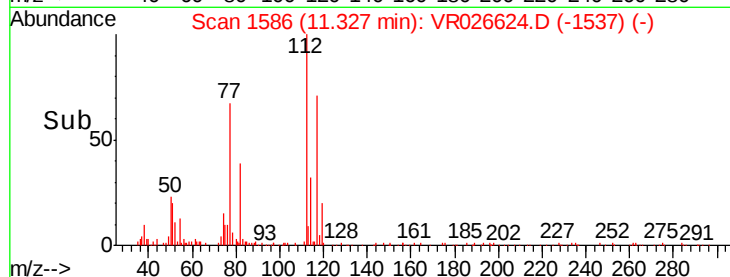
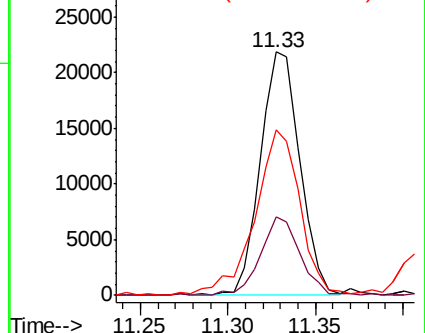
77 67.8 54.0 81.0



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: 0.520 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026624.D

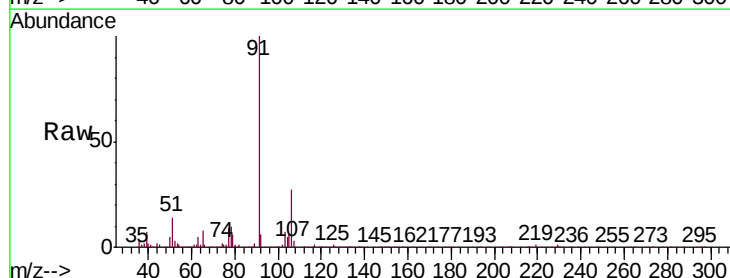
Acq: 12 Sep 2019 17:32

Tgt Ion: 91 Resp: 61362

Ion Ratio Lower Upper

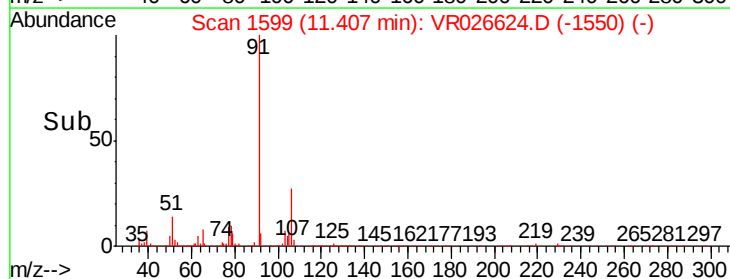
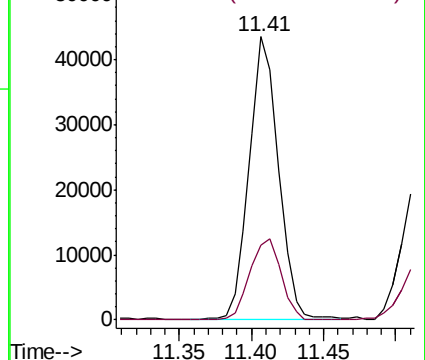
91 100

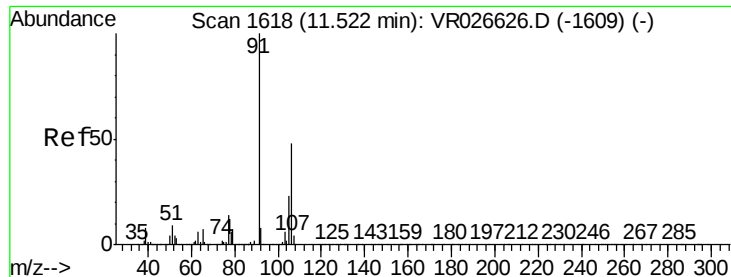
106 26.6 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.498 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

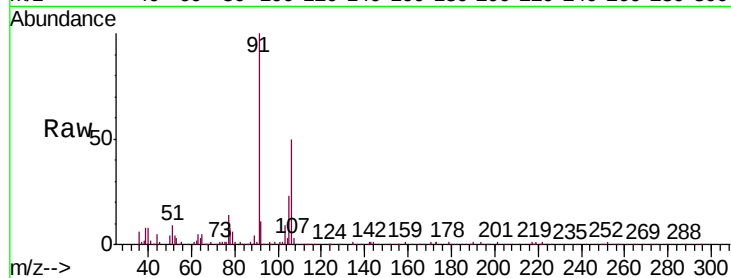
VSTD0.563

Tgt Ion:106 Resp: 21479

Ion Ratio Lower Upper

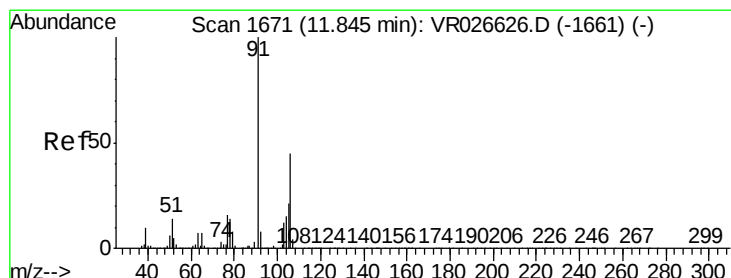
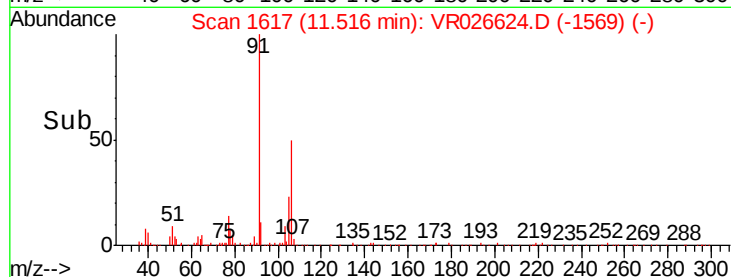
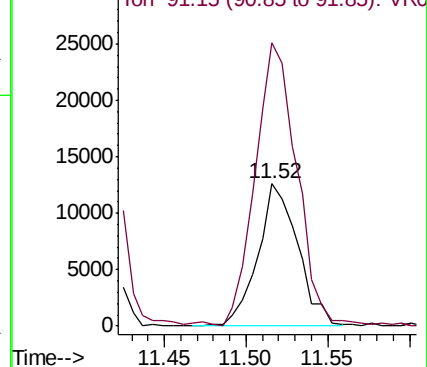
106 100

91 199.2 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#54

o-Xylene

Concen: 0.520 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026624.D

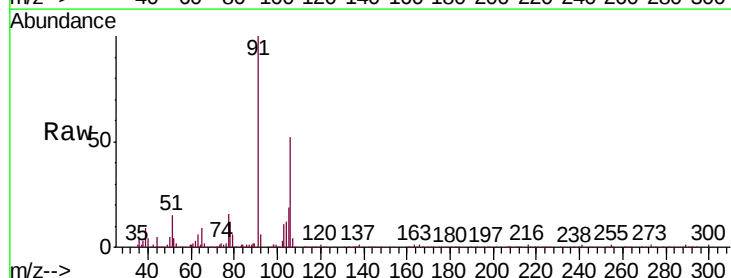
Acq: 12 Sep 2019 17:32

Tgt Ion:106 Resp: 21924

Ion Ratio Lower Upper

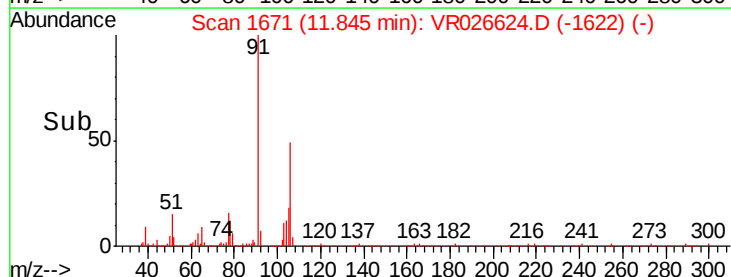
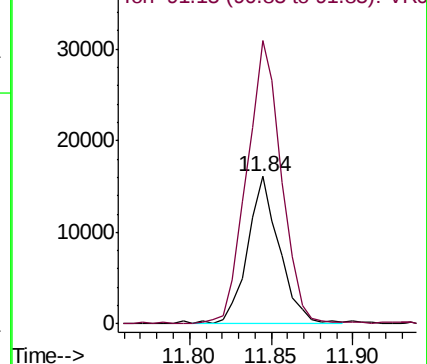
106 100

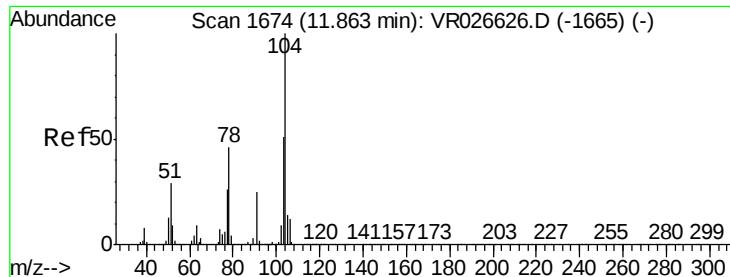
91 191.8 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#55

Styrene

Concen: 0.530 ug/L

RT: 11.86 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

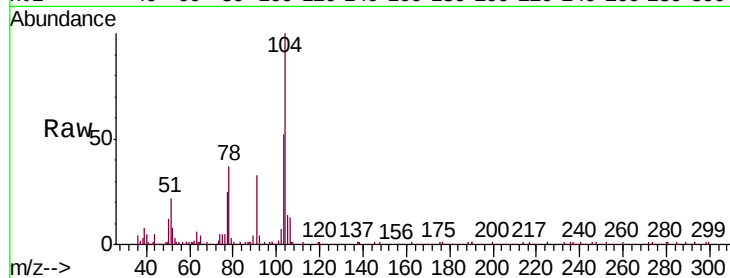
VSTD0.563

Tgt Ion:104 Resp: 31043

Ion Ratio Lower Upper

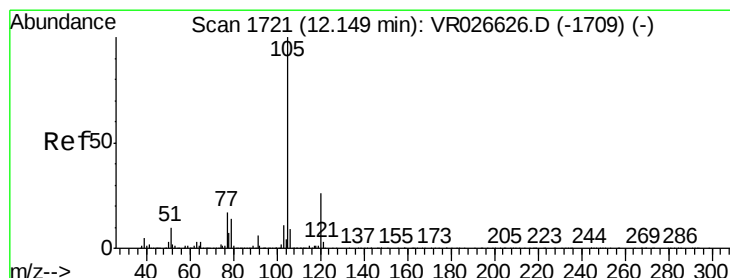
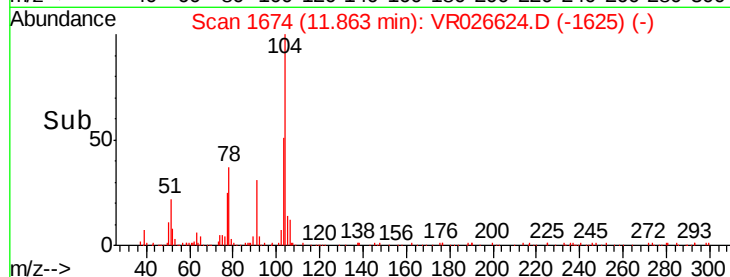
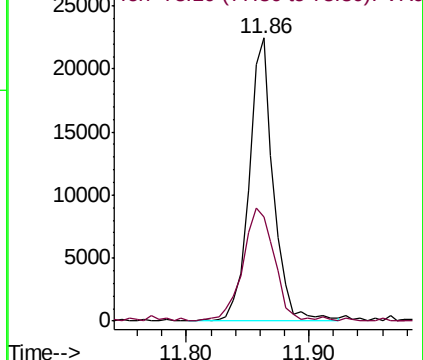
104 100

78 37.0 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



#56

Isopropylbenzene

Concen: 0.506 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

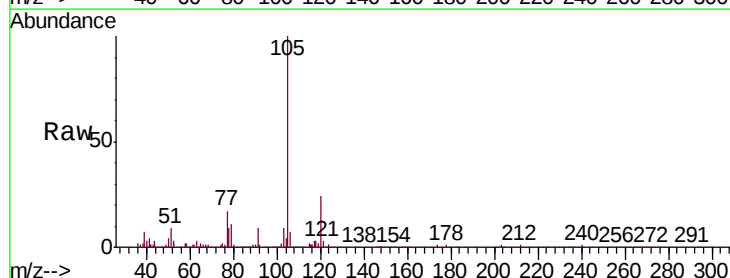
Tgt Ion:105 Resp: 59228

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

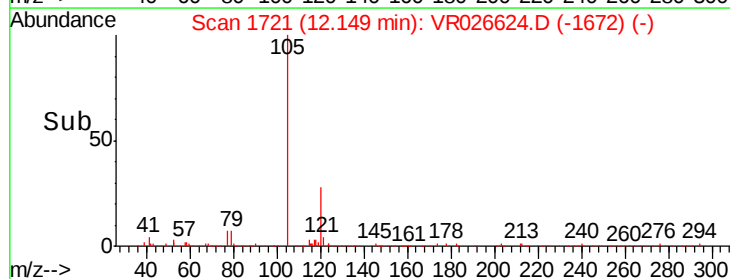
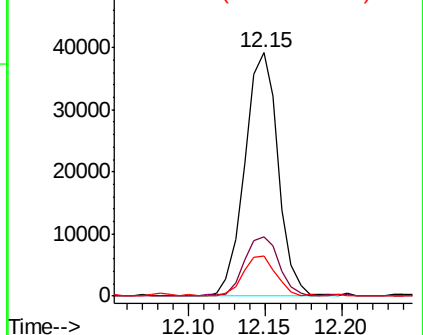
77 16.3 13.3 19.9

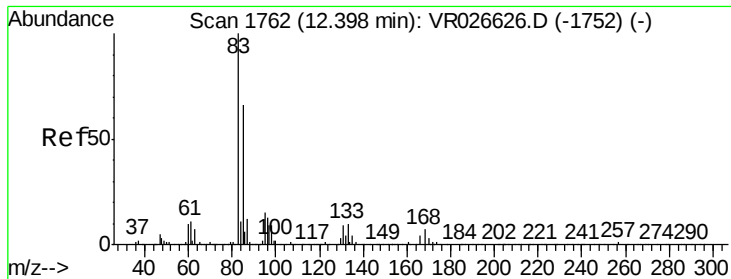


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.563 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026624.D

Acq: 12 Sep 2019 17:32

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.563

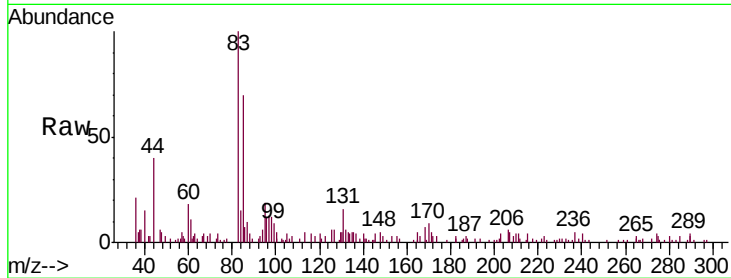
Tgt Ion: 83 Resp: 6416

Ion Ratio Lower Upper

83 100

85 70.1 46.1 85.7

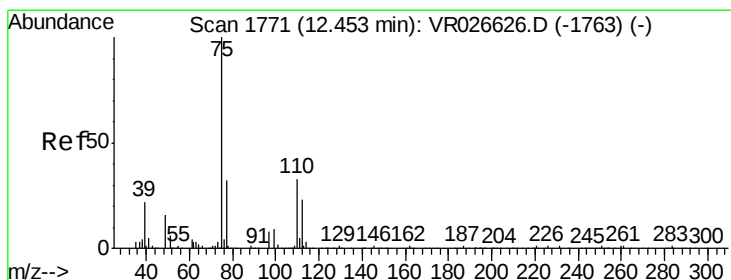
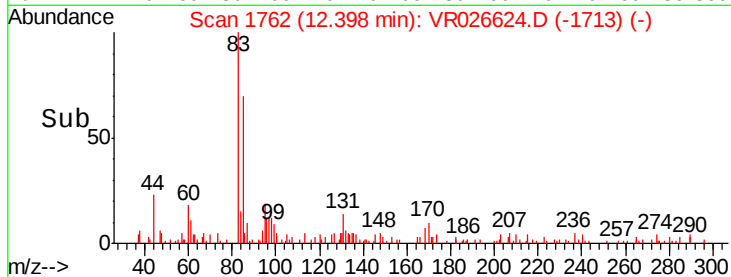
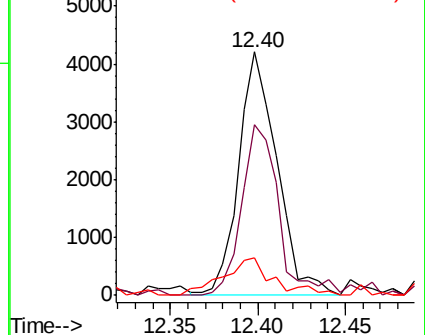
131 15.5 6.8 10.2#



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: 0.638 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VR026624.D

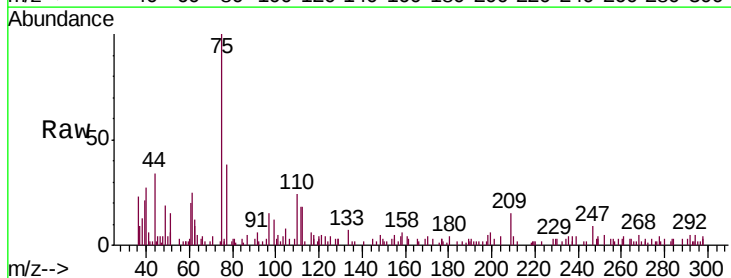
Acq: 12 Sep 2019 17:32

Tgt Ion: 75 Resp: 5325

Ion Ratio Lower Upper

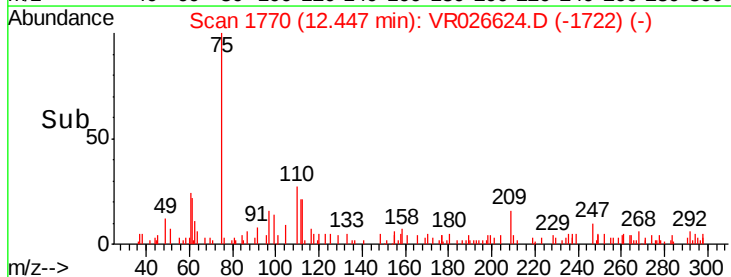
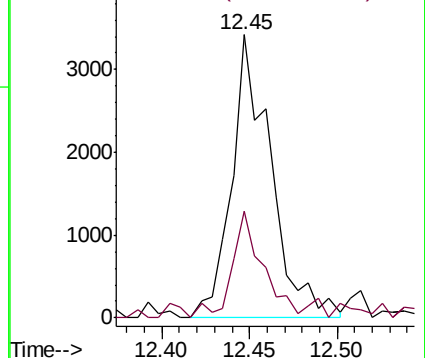
75 100

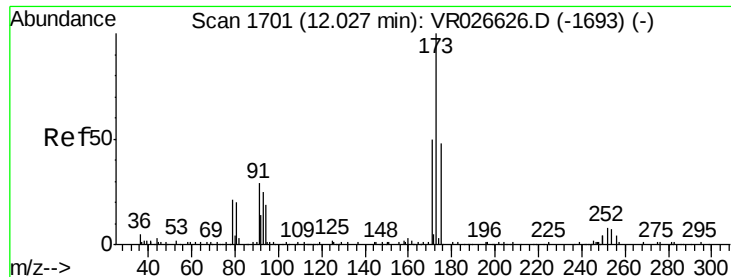
77 29.5 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0

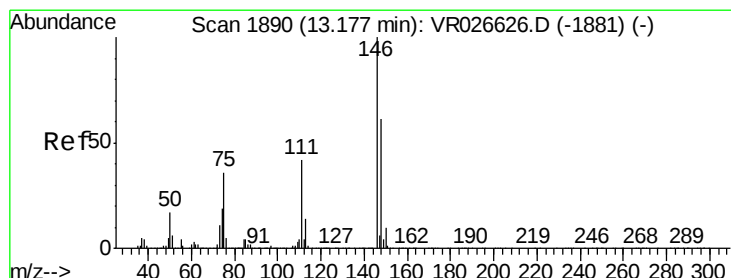
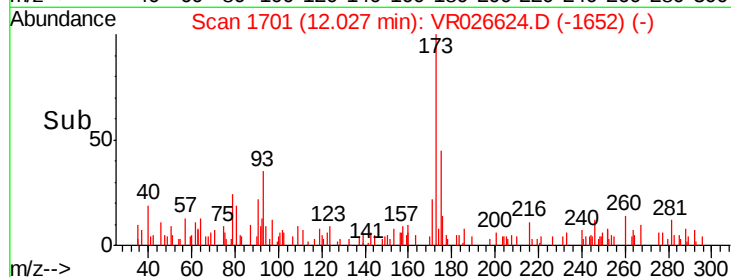
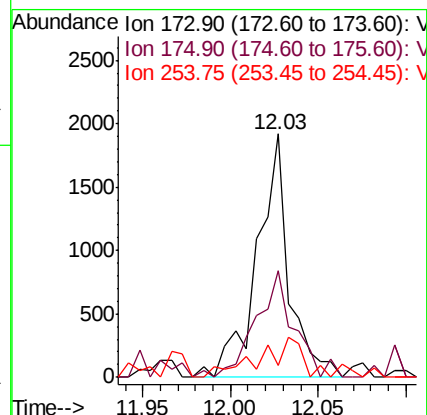
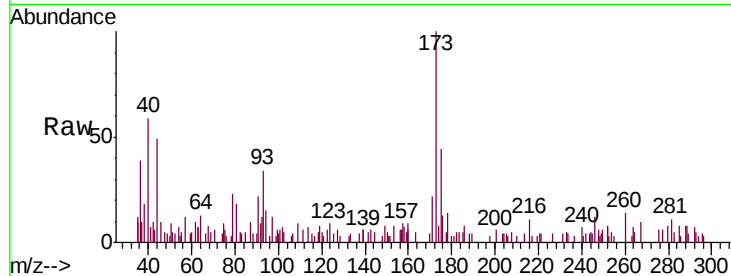




#61
Bromoform
Concen: 0.534 ug/L
RT: 12.03 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

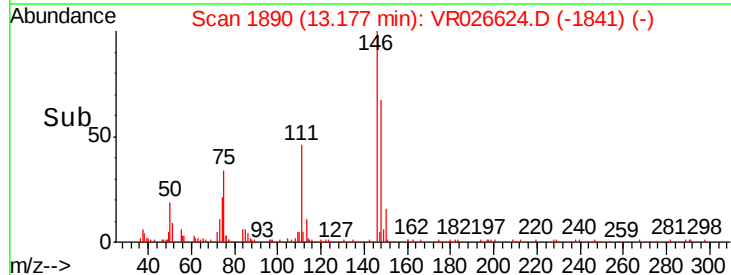
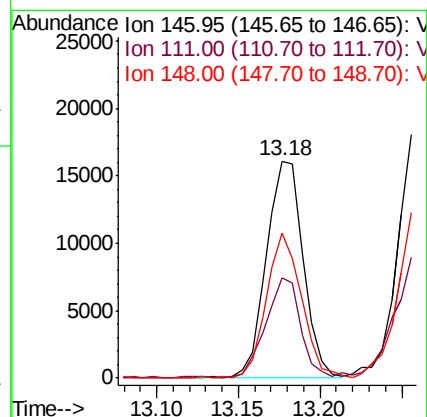
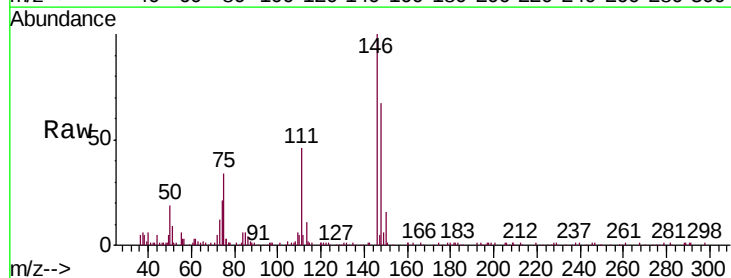
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

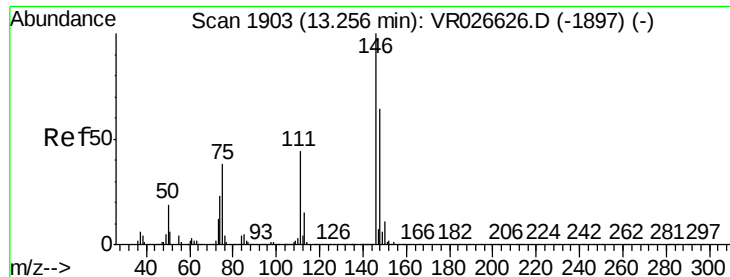
Tgt Ion:173 Resp: 2436
Ion Ratio Lower Upper
173 100
175 52.3 40.2 60.2
254 22.2 8.7 13.1#



#62
1,3-Dichlorobenzene
Concen: 0.593 ug/L
RT: 13.18 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion:146 Resp: 25282
Ion Ratio Lower Upper
146 100
111 46.4 29.5 54.9
148 66.6 42.8 79.4

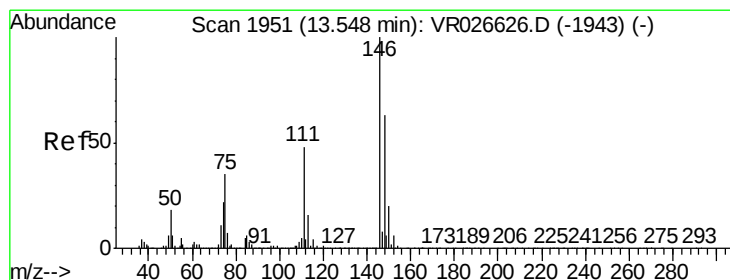
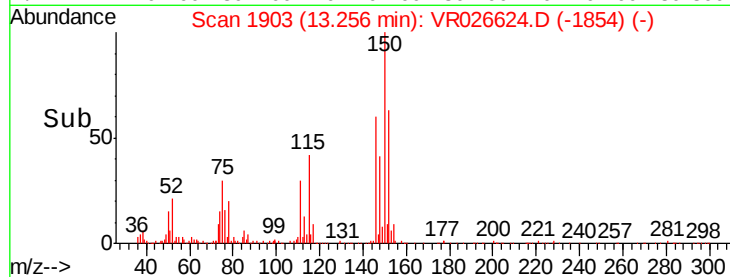
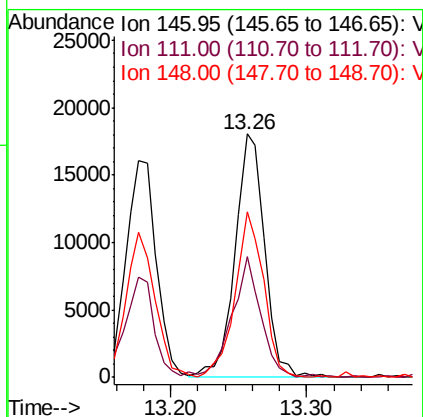
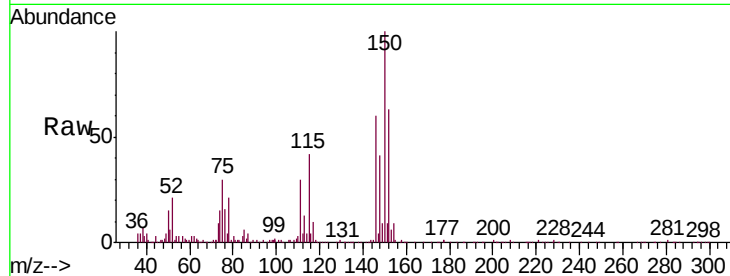




#63
1,4-Dichlorobenzene
Concen: 0.667 ug/L
RT: 13.26 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

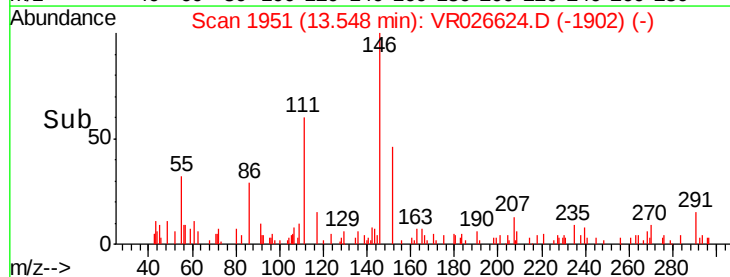
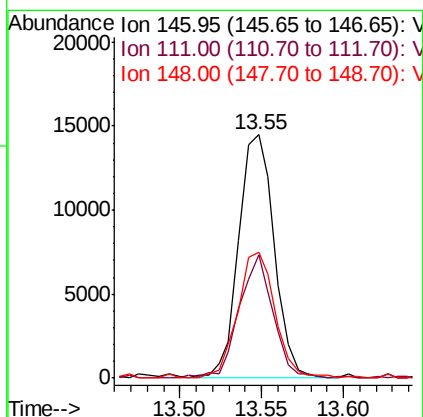
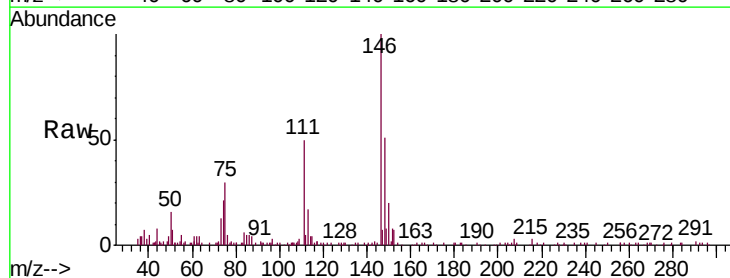
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.563

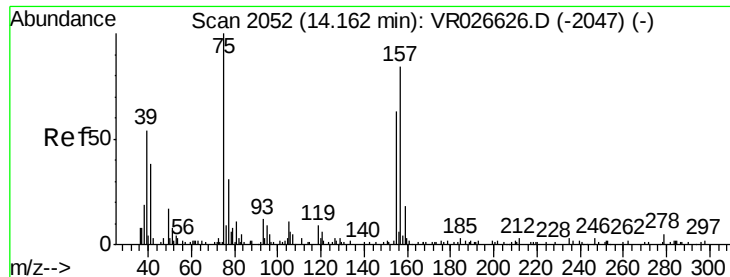
Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.7	31.1	57.9
148	68.1	44.6	82.8



#65
1,2-Dichlorobenzene
Concen: 0.622 ug/L
RT: 13.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VR026624.D
Acq: 12 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.4	38.2	57.2
148	51.5	50.1	75.1

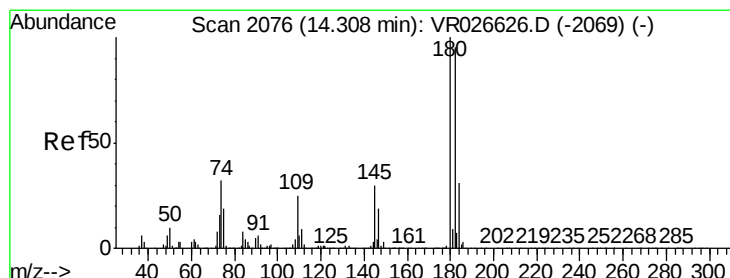
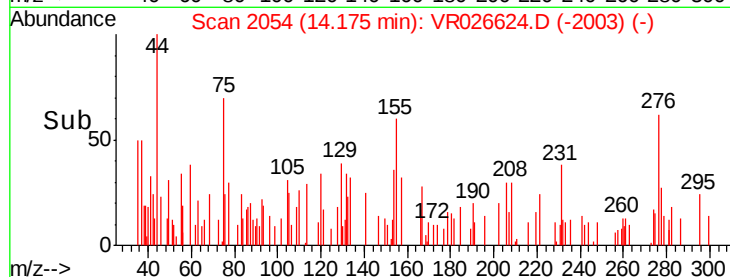
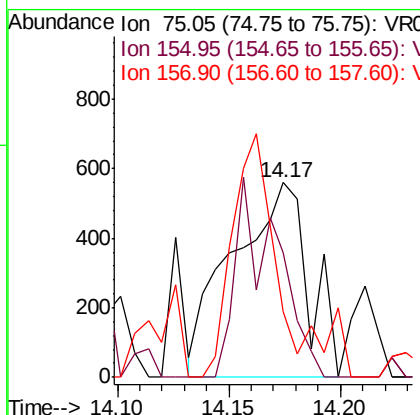
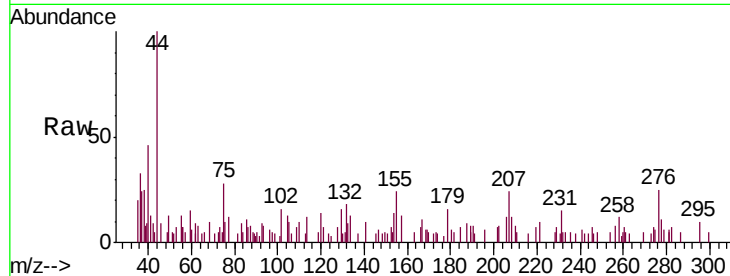




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.745 ug/L
 RT: 14.17 min Scan# 2054
 Delta R.T. 0.01 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

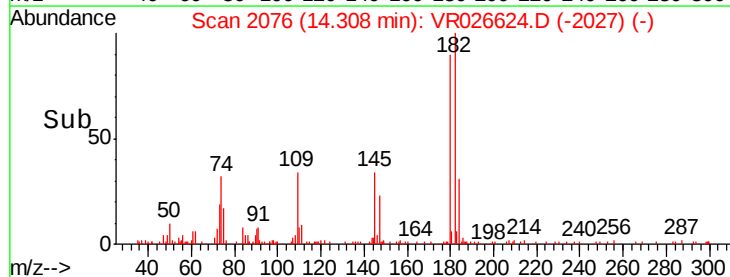
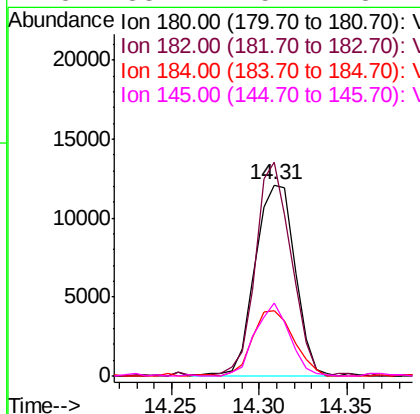
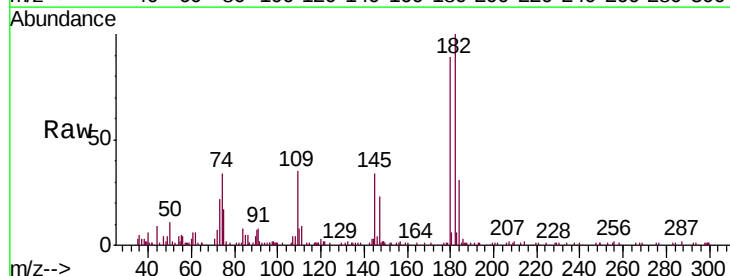
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD0.563

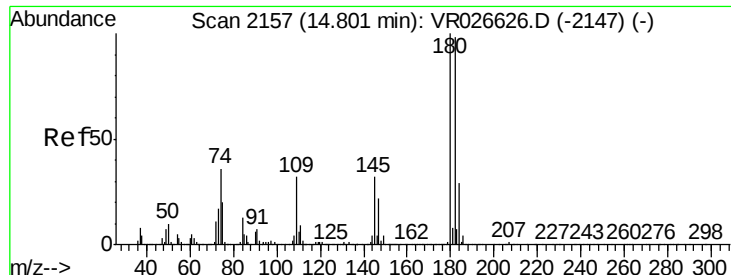
Tgt Ion: 75 Resp: 1330
 Ion Ratio Lower Upper
 75 100
 155 63.9 49.4 74.2
 157 34.0 65.2 97.8#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.561 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

Tgt Ion: 180 Resp: 19252
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.3 114.5
 184 35.5 24.4 36.6
 145 33.2 25.1 37.7

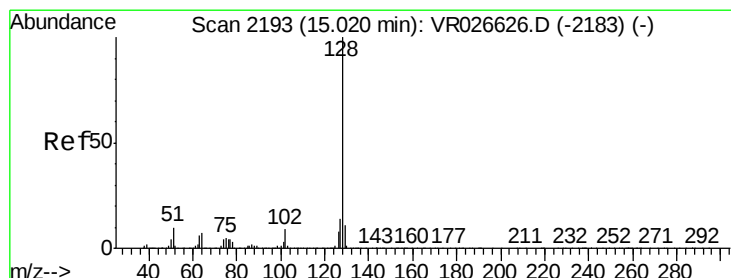
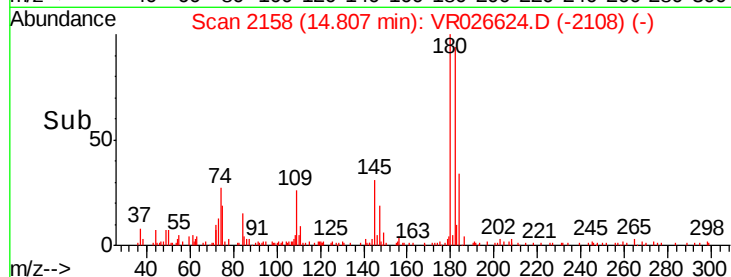
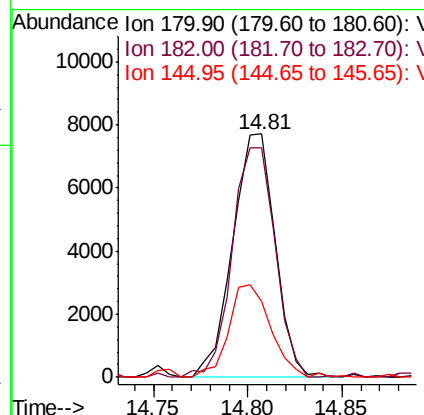
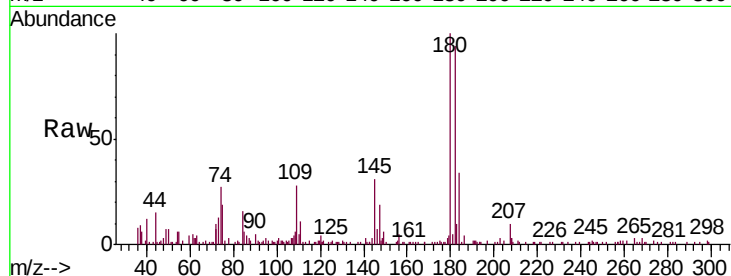




#68
 1,2,4-trichlorobenzene
 Concen: 0.482 ug/L
 RT: 14.81 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

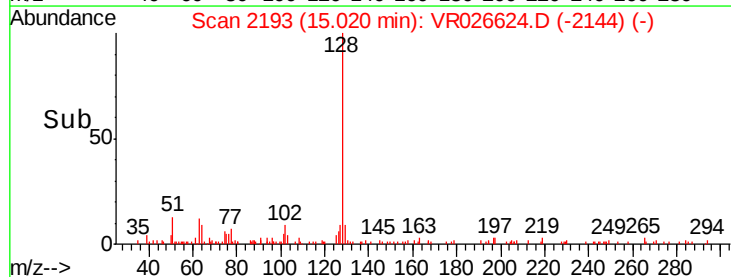
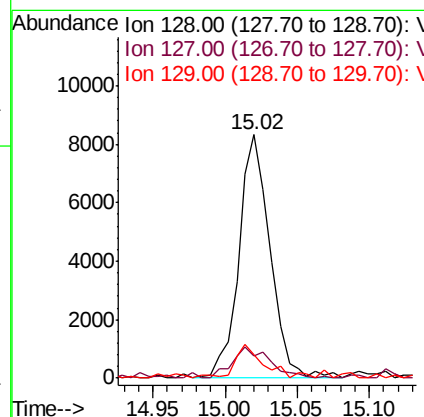
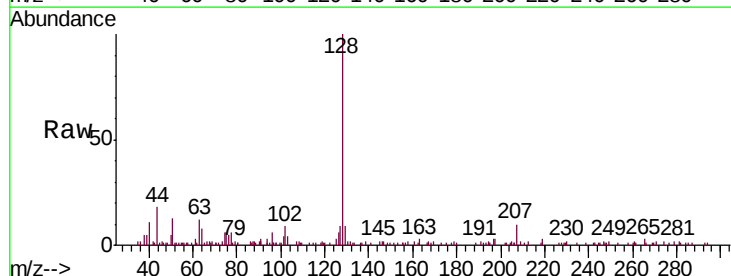
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.563

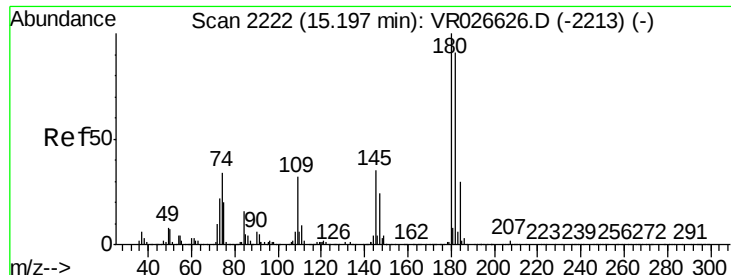
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.1	112.7
145	37.6	25.9	38.9



#69
 Naphthalene
 Concen: 0.362 ug/L
 RT: 15.02 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.8	16.2
129	13.0	8.9	13.3

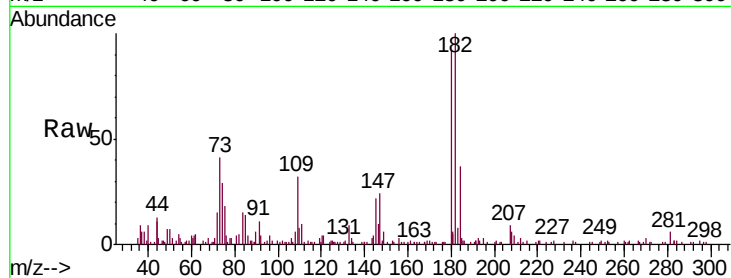




#70
 1,2,3-Trichlorobenzene
 Concen: 0.538 ug/L
 RT: 15.20 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: VR026624.D
 Acq: 12 Sep 2019 17:32

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.563

Tgt Ion:	180	Resp:	11256
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	114.4
145	32.3	28.6	42.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

