

Data File : VR026362.D
Acq On : 22 Feb 2019 14:36
Operator : SY/MD
Sample : VSTD0.581
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

Quant Time: Feb 23 04:14:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 23 04:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	528949	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	426695	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	142100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	32706	0.76	ug/L	0.00
7) Chloroethane-d5	2.62	69	27737	0.75	ug/L	0.01
11) 1,1-Dichloroethene-d2	3.61	63	70780	0.66	ug/L	0.01
20) 2-Butanone-d5	6.59	46	18557	5.72	ug/L	0.00
24) Chloroform-d	7.20	84	48965	0.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	20547	0.71	ug/L	0.00
32) Benzene-d6	7.85	84	87826	0.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	24209	0.69	ug/L	0.00
41) Toluene-d8	9.97	98	68412	0.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5574	0.59	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	10247	4.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9462	0.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	14276	0.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	21264	0.531 ug/L #	63
3) Chloromethane	2.01	50	28070	0.533 ug/L	93
5) Vinyl chloride	2.15	62	27780	0.552 ug/L	98
6) Bromomethane	2.52	94	15767	0.480 ug/L	94
8) Chloroethane	2.65	64	17991	0.576 ug/L	90
9) Trichlorofluoromethane	2.93	101	16965	0.217 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	20683	0.499 ug/L #	79
12) 1,1-Dichloroethene	3.63	96	22515	0.496 ug/L	94
13) Acetone	3.69	43	18216	5.528 ug/L	78
14) Carbon disulfide	3.93	76	71551	0.503 ug/L #	91
15) Methyl Acetate	4.20	43	5344	0.577 ug/L	92
16) Methylene chloride	4.40	84	23007	0.550 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	20428	0.465 ug/L #	71
18) trans-1,2-Dichloroethene	4.88	96	19150	0.454 ug/L	86
19) 1,1-Dichloroethane	5.69	63	38113	0.516 ug/L	97
21) 2-Butanone	6.69	43	18113	4.560 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	13977	0.391 ug/L #	96
23) Bromochloromethane	7.04	128	5683	0.524 ug/L #	68
25) Chloroform	7.23	83	36398	0.502 ug/L	95
27) 1,2-Dichloroethane	7.99	62	17780	0.544 ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	28506	0.454 ug/L #	82
30) Cyclohexane	7.52	56	16422	0.322 ug/L #	92
31) Carbon tetrachloride	7.63	117	26387	0.458 ug/L	99
33) Benzene	7.90	78	70747	0.456 ug/L	100
34) Trichloroethene	8.71	95	17881	0.454 ug/L #	73
35) Methylcyclohexane	8.96	83	18603	0.354 ug/L	97
37) 1,2-Dichloropropane	8.99	63	15208	0.450 ug/L #	96
38) Bromodichloromethane	9.28	83	19236	0.508 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	14256	0.400 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	31416	3.566 ug/L	95

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	62974	0.401	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	10298	0.391	ug/L	91
45) 1,1,2-Trichloroethane	10.45	97	7331	0.514	ug/L #	75
47) Tetrachloroethene	10.51	164	13534	0.468	ug/L	90
48) 2-Hexanone	10.63	43	22103	3.653	ug/L #	95
49) Dibromochloromethane	10.78	129	8331	0.452	ug/L	98
50) 1,2-Dibromoethane	10.88	107	4600	0.399	ug/L #	95
51) Chlorobenzene	11.32	112	41052	0.452	ug/L	97
52) Ethylbenzene	11.39	91	68436	0.391	ug/L	97
53) m,p-Xylene	11.50	106	21529	0.337	ug/L	98
54) o-Xylene	11.83	106	16688	0.301	ug/L	99
55) Styrene	11.84	104	26827	0.307	ug/L	98
56) Isopropylbenzene	12.13	105	47166	0.301	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	6426	0.479	ug/L #	90
59) 1,2,3-Trichloropropane	12.43	75	4211	0.435	ug/L #	67
61) Bromoform	12.00	173	3466	0.535	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	18146	0.426	ug/L #	82
63) 1,4-Dichlorobenzene	13.24	146	23120	0.468	ug/L	99
65) 1,2-Dichlorobenzene	13.54	146	16326	0.447	ug/L #	79
66) 1,2-Dibromo-3-chloropropan	14.14	75	1084	0.775	ug/L #	43
67) 1,3,5-Trichlorobenzene	14.30	180	11068	0.403	ug/L	91
68) 1,2,4-trichlorobenzene	14.78	180	6466	0.430	ug/L #	96
69) Naphthalene	15.00	128	4359	0.307	ug/L	95
70) 1,2,3-Trichlorobenzene	15.18	180	4715	0.414	ug/L #	82

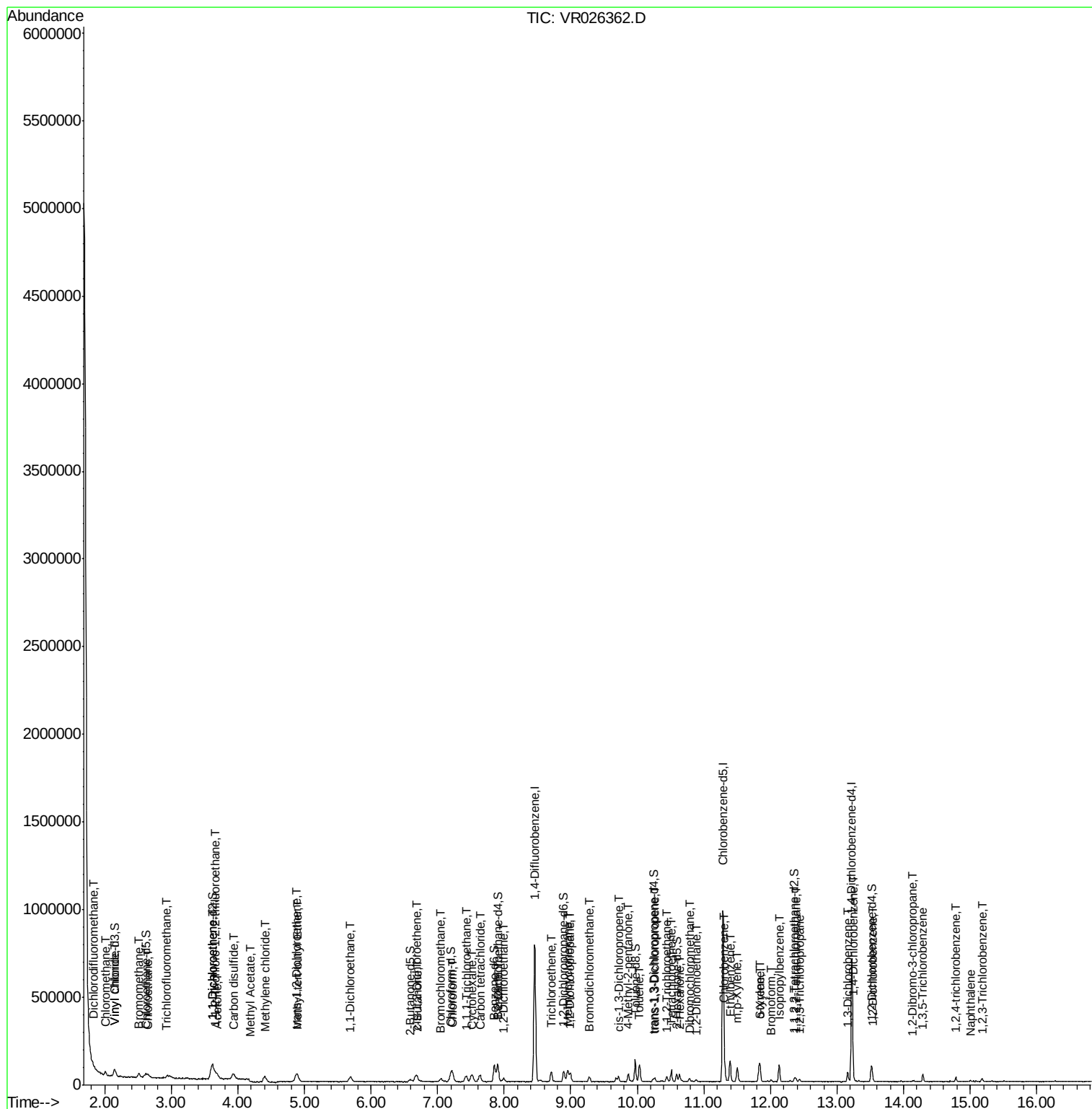
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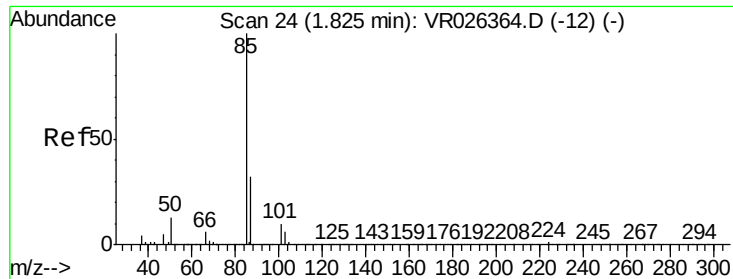
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#2

Dichlorodifluoromethane

Concen: 0.531 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

Lab File: VR026362.D

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Instrument :

MSVOA_R

ClientSampleId :

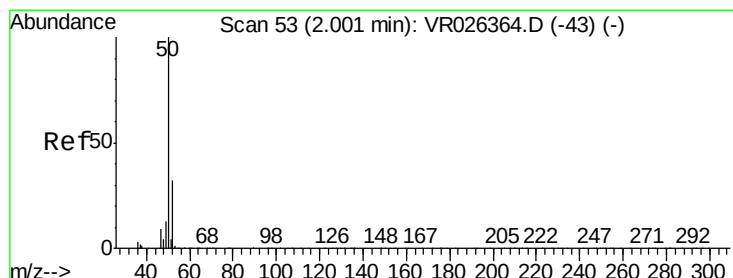
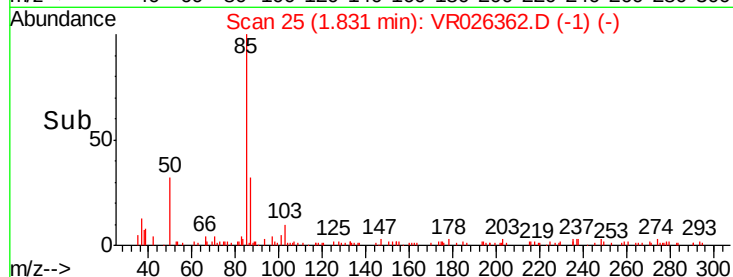
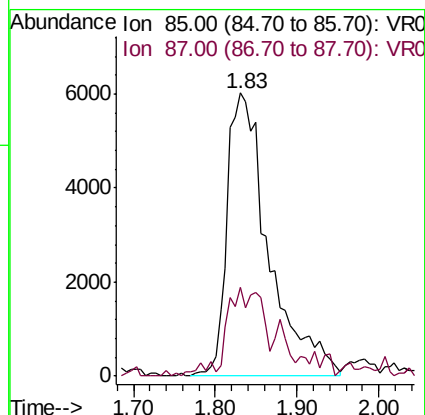
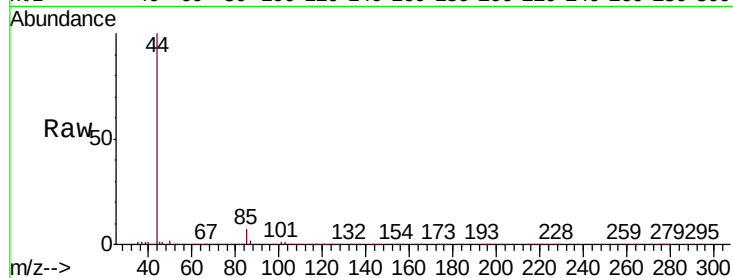
VSTD0.581

Tgt Ion: 85 Resp: 21264

Ion Ratio Lower Upper

85 100

87 12.4 26.6 40.0#



#3

Chloromethane

Concen: 0.533 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.01 min

Lab File: VR026362.D

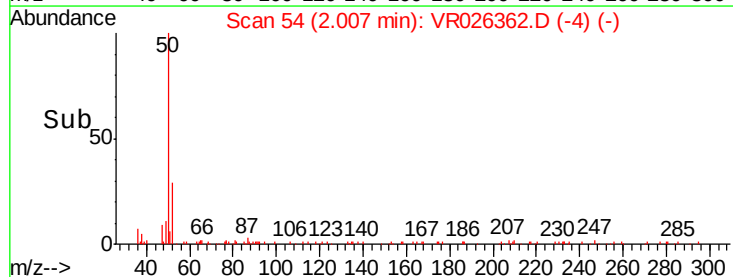
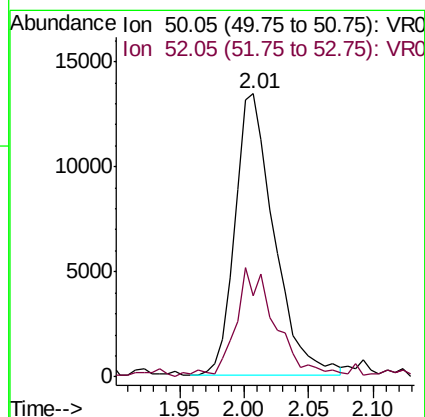
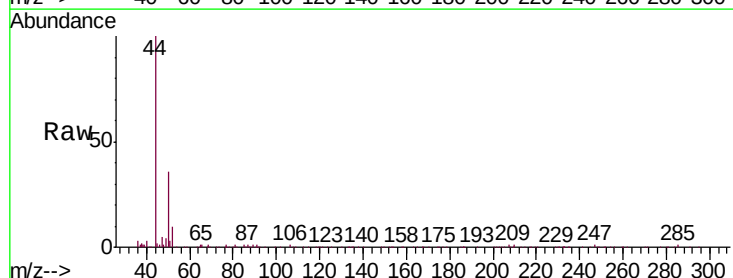
Acq: 22 Feb 2019 14:36

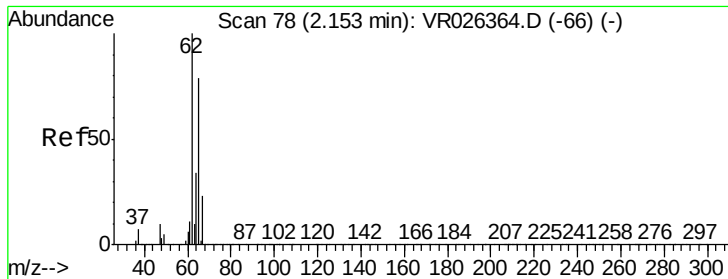
Tgt Ion: 50 Resp: 28070

Ion Ratio Lower Upper

50 100

52 28.7 22.7 42.3





#5

Vinyl chloride

Concen: 0.552 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

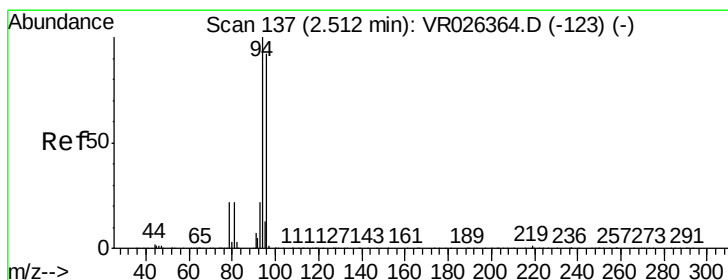
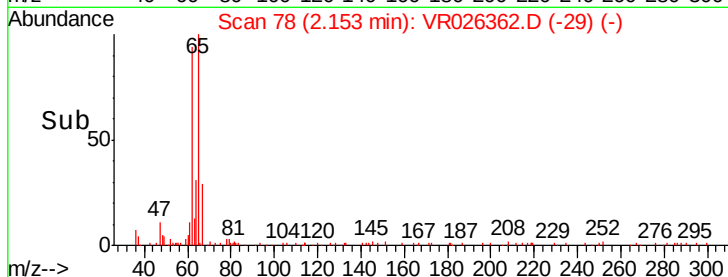
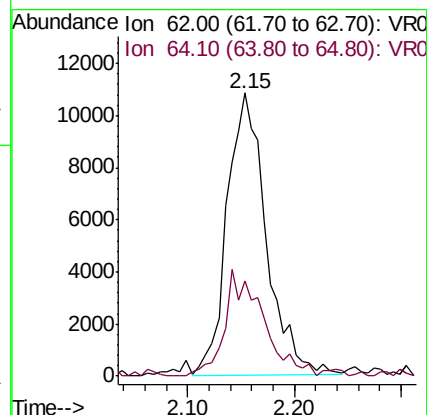
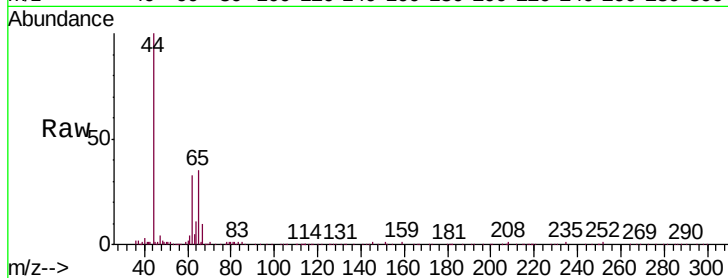
VSTD0.581

Tgt Ion: 62 Resp: 27780

Ion Ratio Lower Upper

62 100

64 33.4 24.1 44.7



#6

Bromomethane

Concen: 0.480 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR026362.D

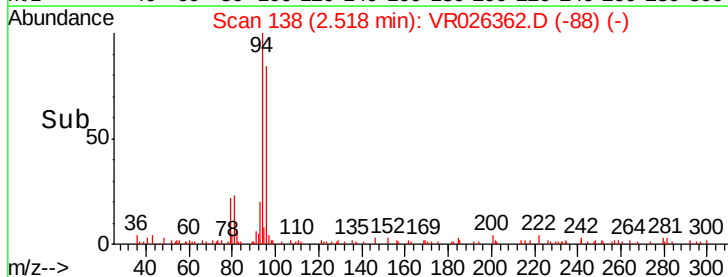
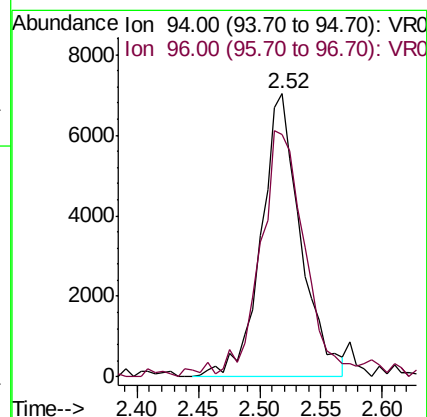
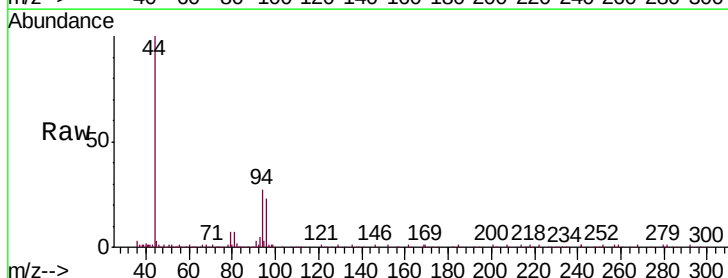
Acq: 22 Feb 2019 14:36

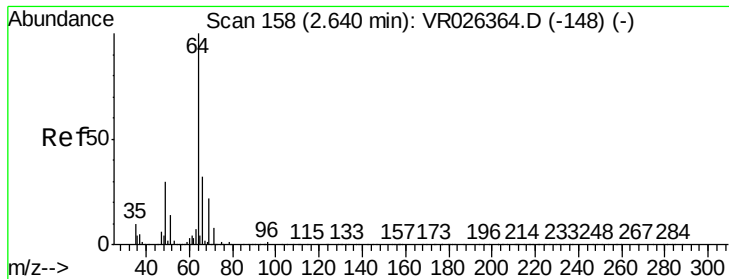
Tgt Ion: 94 Resp: 15767

Ion Ratio Lower Upper

94 100

96 85.8 64.3 119.3





#8

Chloroethane

Concen: 0.576 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

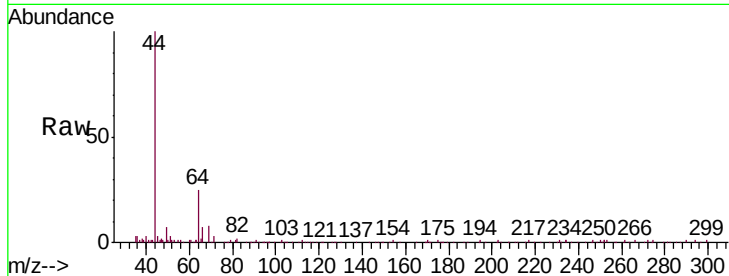
VSTD0.581

Tgt Ion: 64 Resp: 17991

Ion Ratio Lower Upper

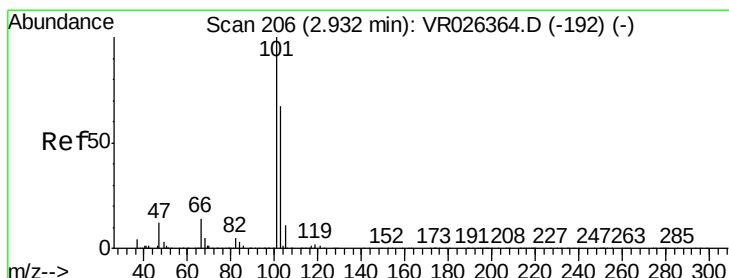
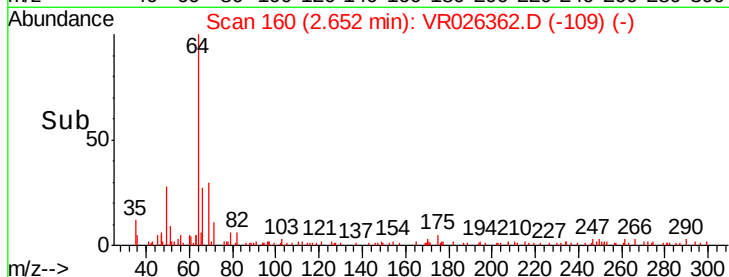
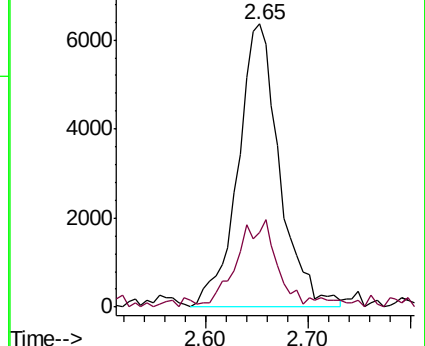
64 100

66 26.6 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.217 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026362.D

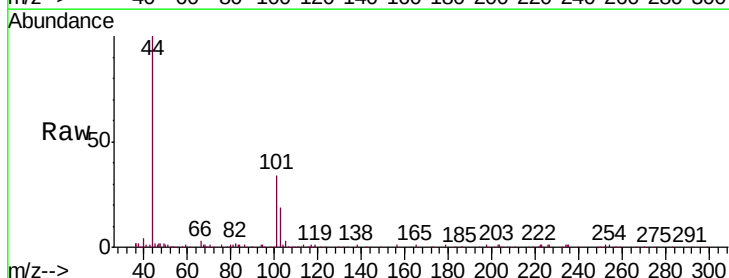
Acq: 22 Feb 2019 14:36

Tgt Ion: 101 Resp: 16965

Ion Ratio Lower Upper

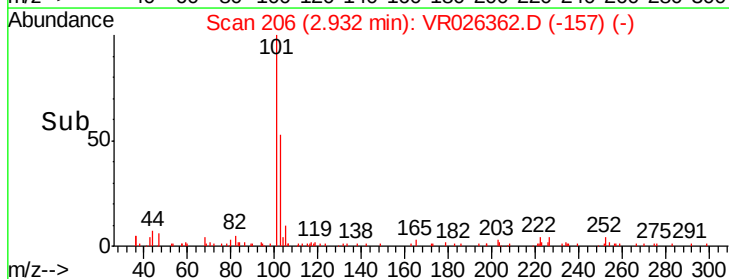
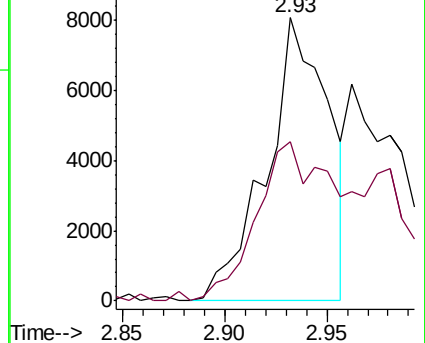
101 100

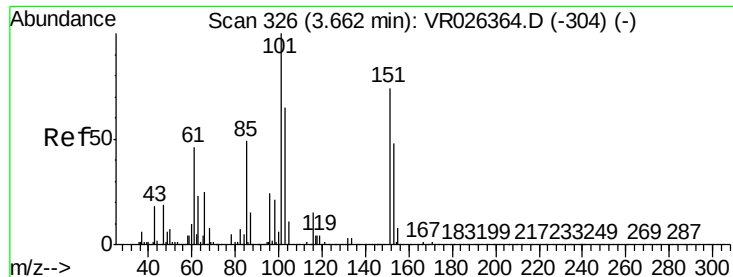
103 78.8 52.6 78.8



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: 0.499 ug/L

RT: 3.66 min Scan# 326

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

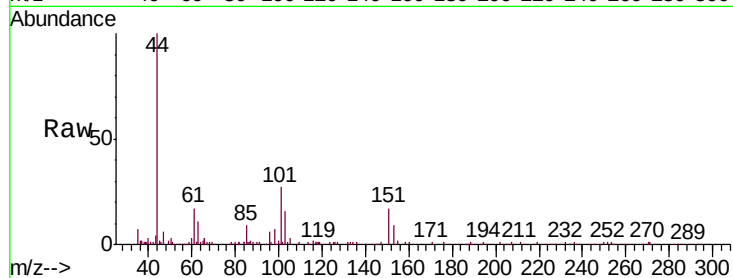
Tgt Ion: 101 Resp: 20683

Ion Ratio Lower Upper

101 100

85 28.2 39.8 59.8#

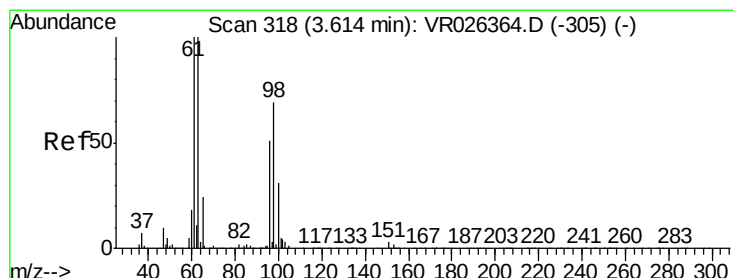
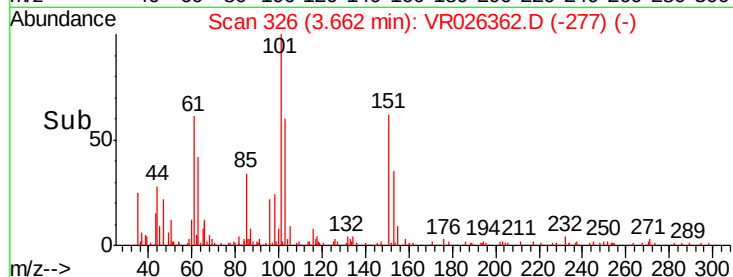
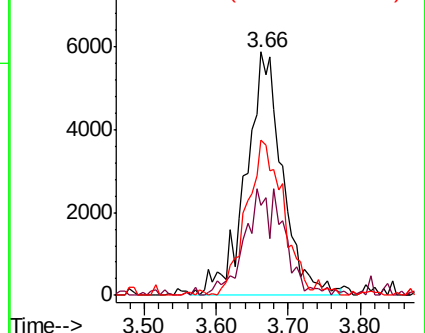
151 63.5 60.8 91.2



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: 0.496 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

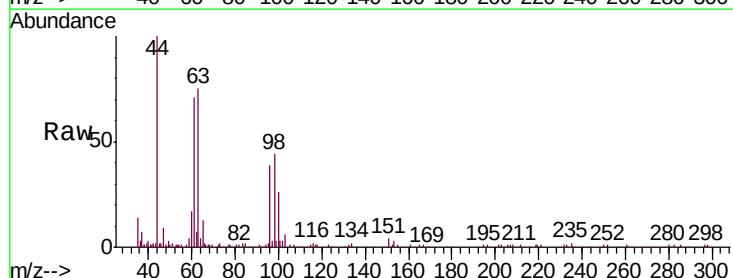
Tgt Ion: 96 Resp: 22515

Ion Ratio Lower Upper

96 100

61 180.9 135.9 252.5

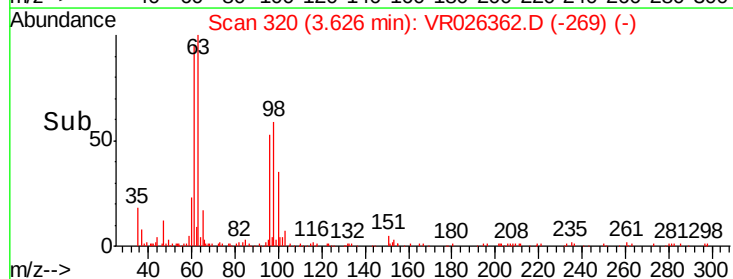
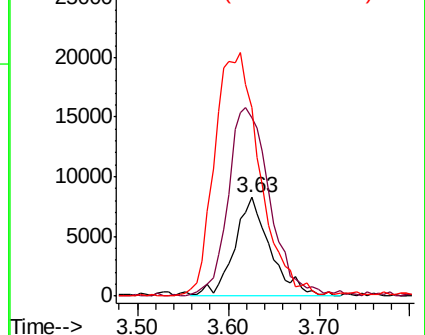
63 191.2 136.6 253.6

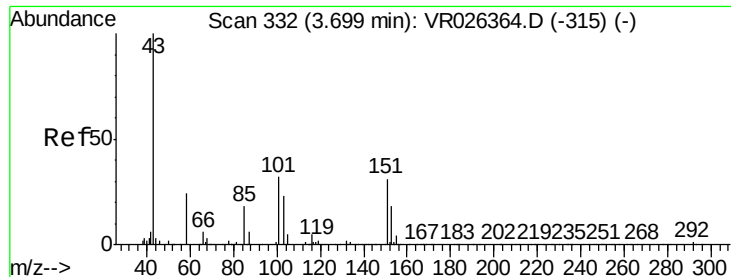


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

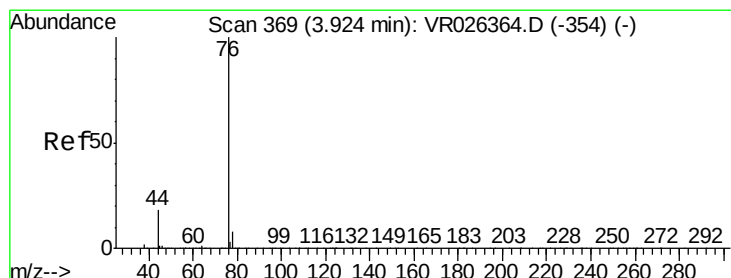
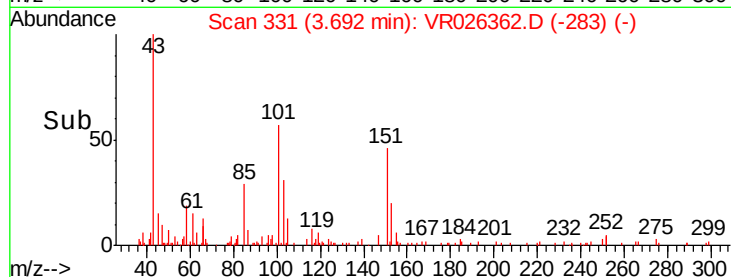
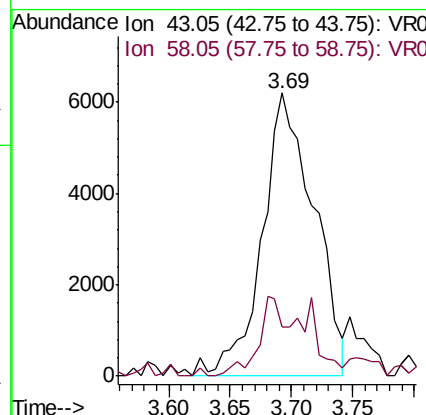
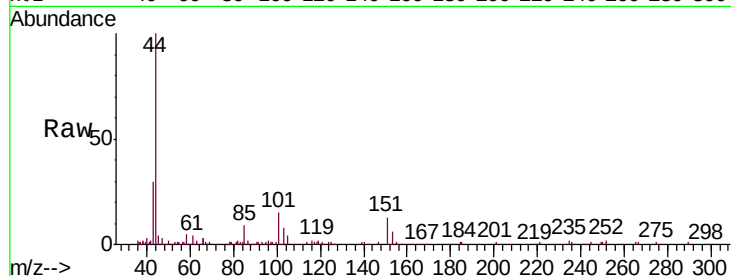




#13
Acetone
Concen: 5.528 ug/L
RT: 3.69 min Scan# 331
Delta R.T. -0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

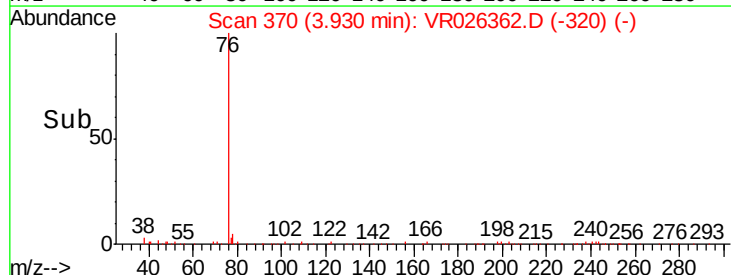
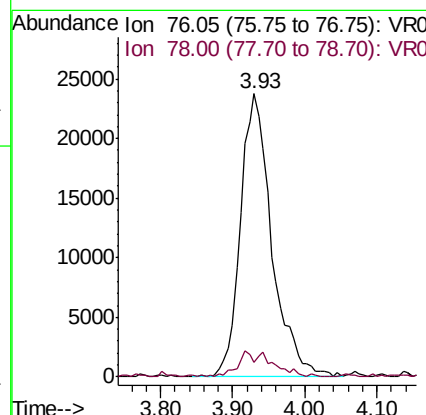
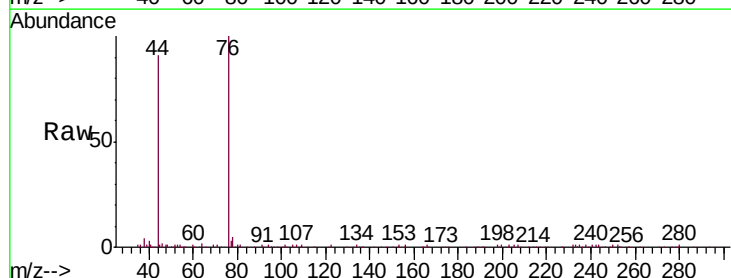
Instrument :
MSVOA_R
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VSTD0.581

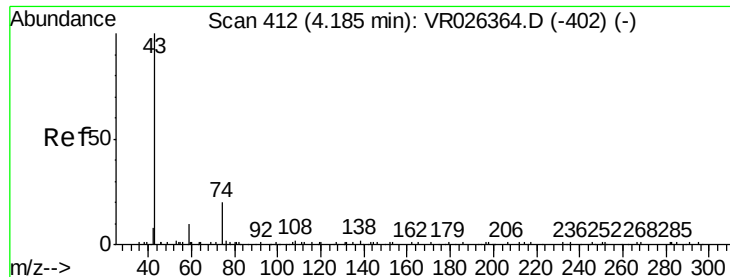
Tgt Ion: 43 Resp: 18216
Ion Ratio Lower Upper
43 100
58 14.8 0.0 52.2



#14
Carbon disulfide
Concen: 0.503 ug/L
RT: 3.93 min Scan# 370
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion: 76 Resp: 71551
Ion Ratio Lower Upper
76 100
78 5.3 6.7 10.1#

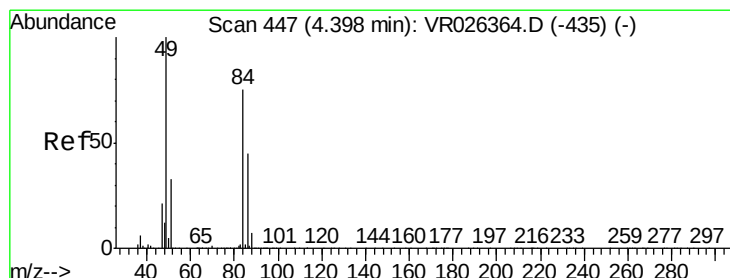
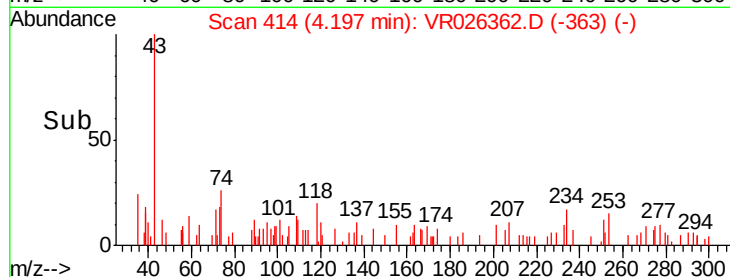
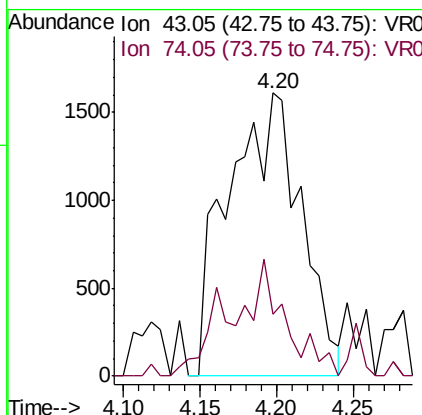
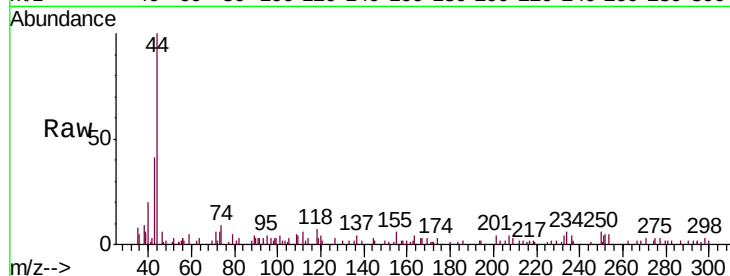




#15
Methyl Acetate
Concen: 0.577 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

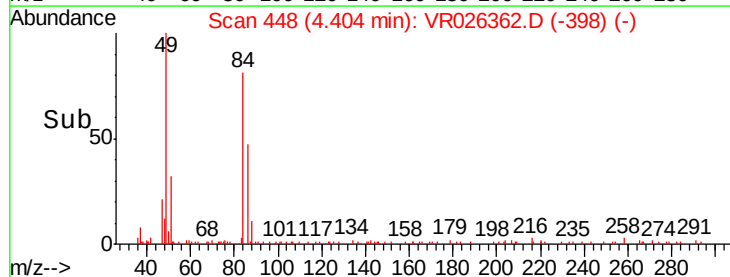
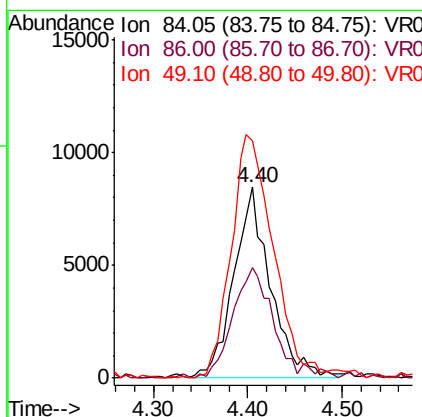
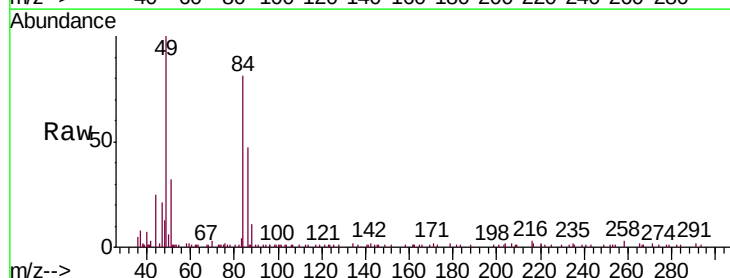
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

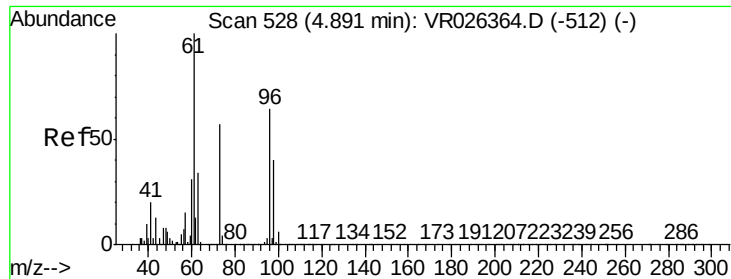
Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
74 16.9 16.6 25.0



#16
Methylene chloride
Concen: 0.550 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion: 84 Resp: 23007
Ion Ratio Lower Upper
84 100
86 58.1 42.1 78.3
49 124.1 93.8 174.2

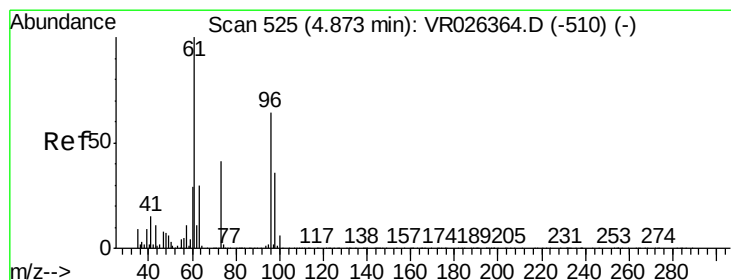
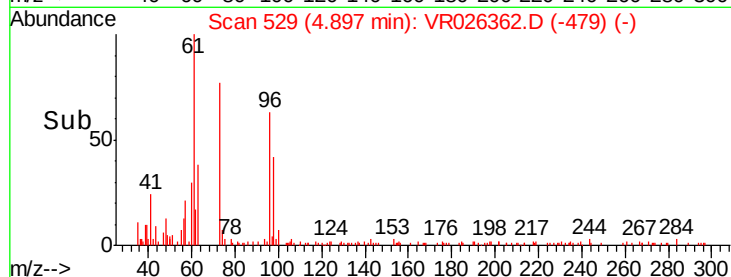
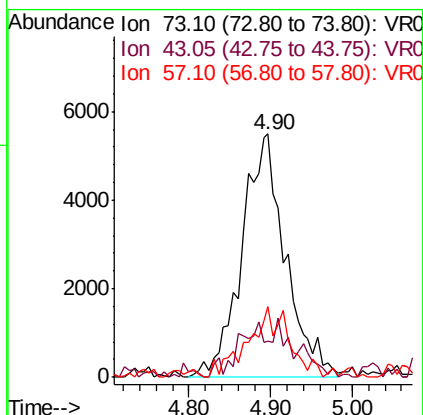
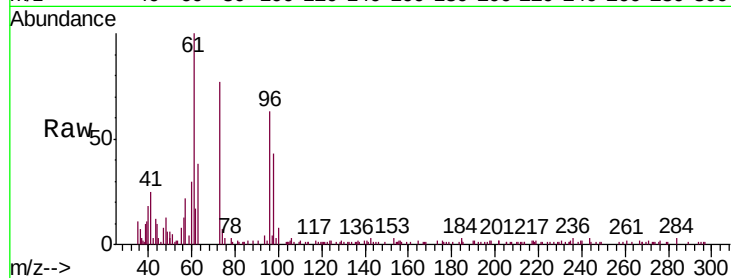




#17
Methyl tert-butyl Ether
Concen: 0.465 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

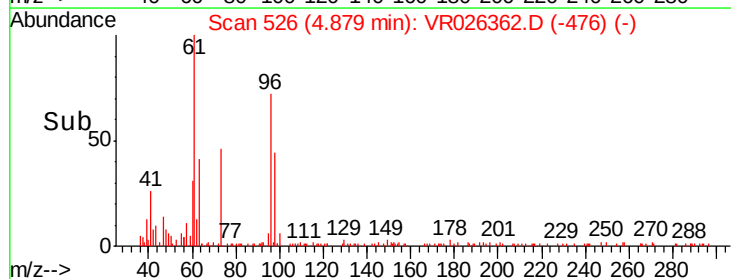
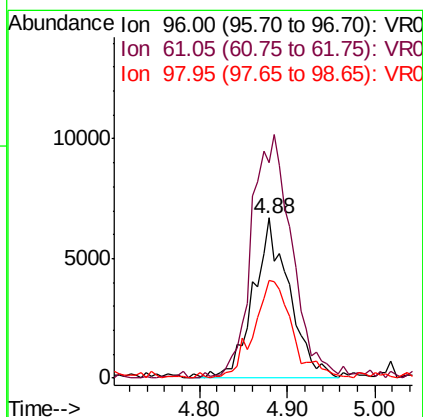
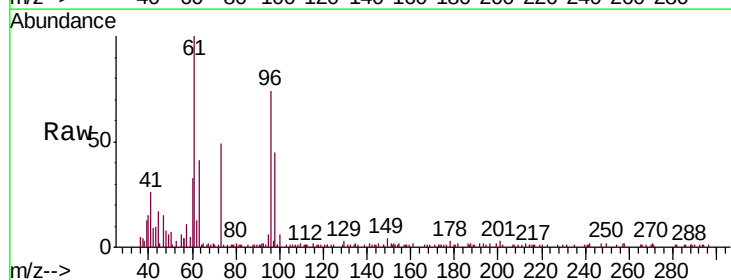
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

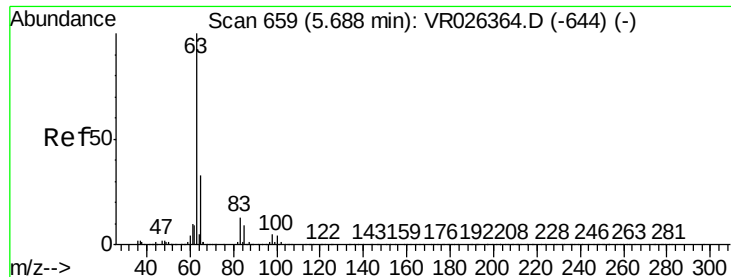
Tgt Ion: 73 Resp: 20428
Ion Ratio Lower Upper
73 100
43 3.2 19.4 29.2#
57 17.1 19.4 29.0#



#18
trans-1,2-Dichloroethene
Concen: 0.454 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion: 96 Resp: 19150
Ion Ratio Lower Upper
96 100
61 135.0 109.4 203.2
98 60.9 39.7 73.7





#19

1,1-Dichloroethane

Concen: 0.516 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

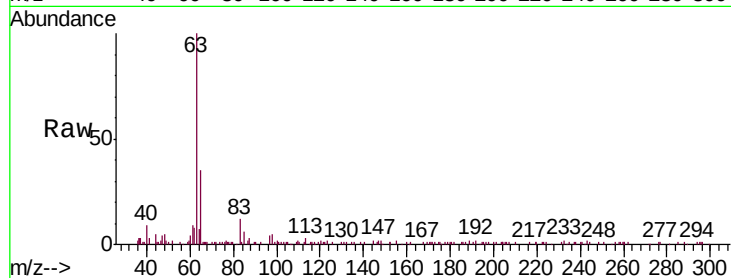
Tgt Ion: 63 Resp: 38113

Ion Ratio Lower Upper

63 100

65 35.8 23.6 43.8

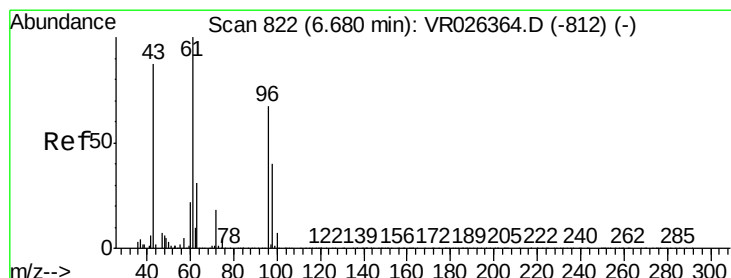
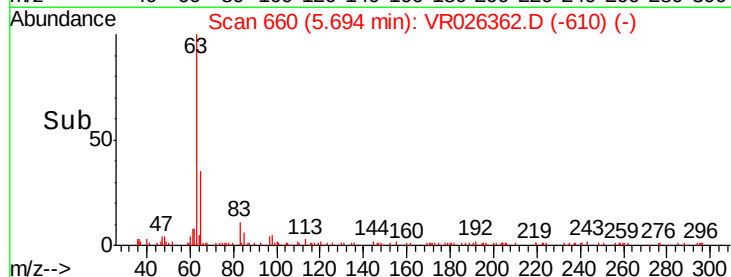
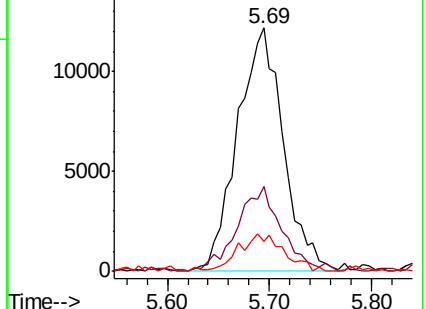
83 12.1 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 4.560 ug/L

RT: 6.69 min Scan# 824

Delta R.T. 0.01 min

Lab File: VR026362.D

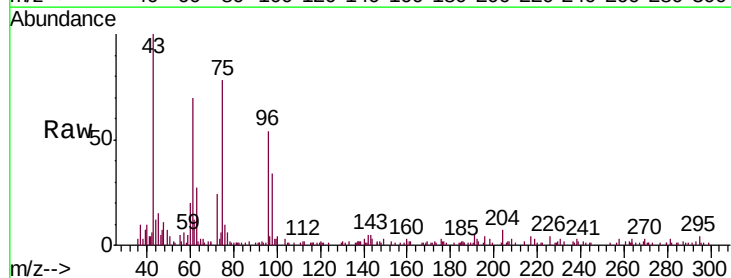
Acq: 22 Feb 2019 14:36

Tgt Ion: 43 Resp: 18113

Ion Ratio Lower Upper

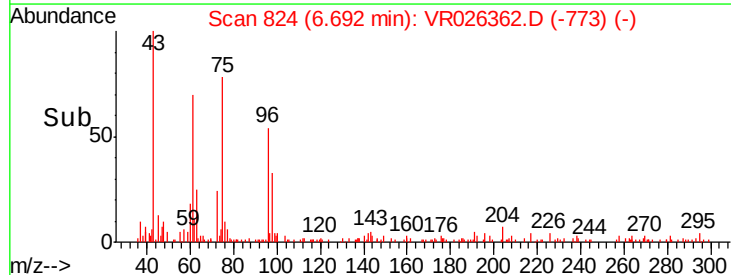
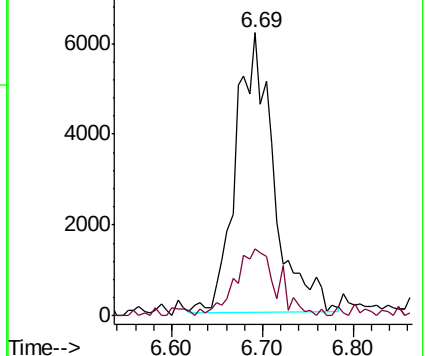
43 100

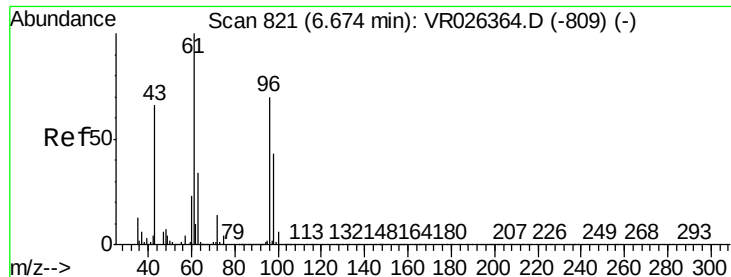
72 21.7 10.8 32.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



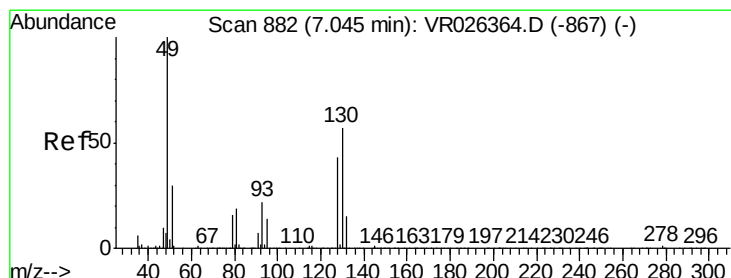
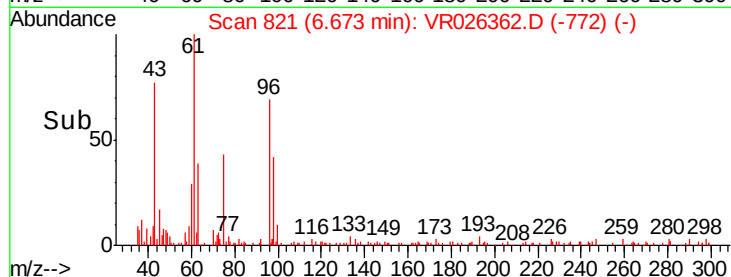
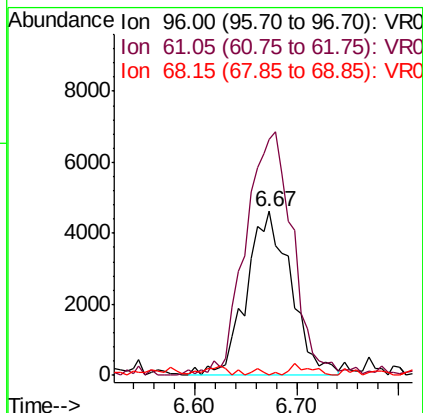
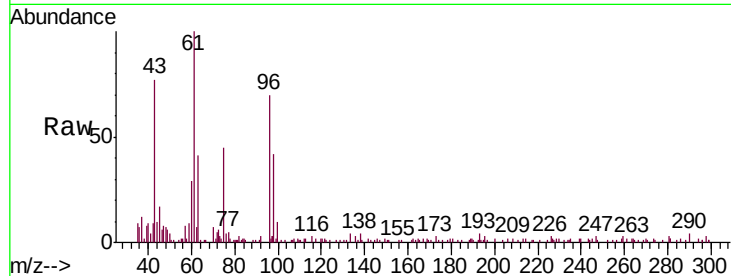


#22

cis-1,2-Dichloroethene
Concen: 0.391 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

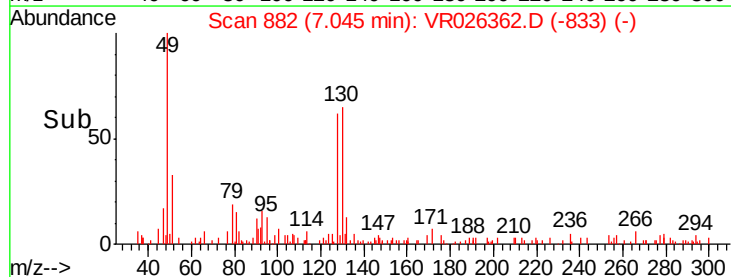
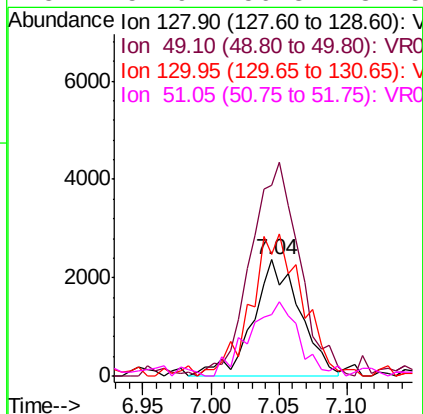
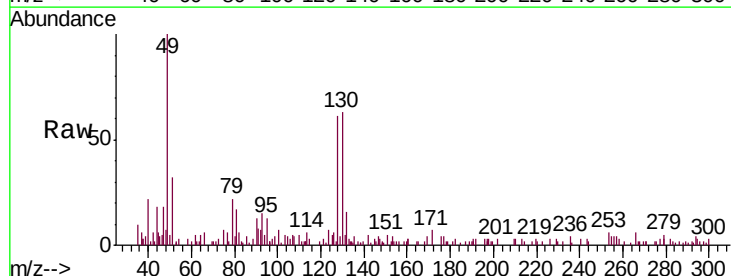
Tgt Ion: 96 Resp: 13977
Ion Ratio Lower Upper
96 100
61 139.2 100.8 187.2
68 0.0 0.1 0.1#

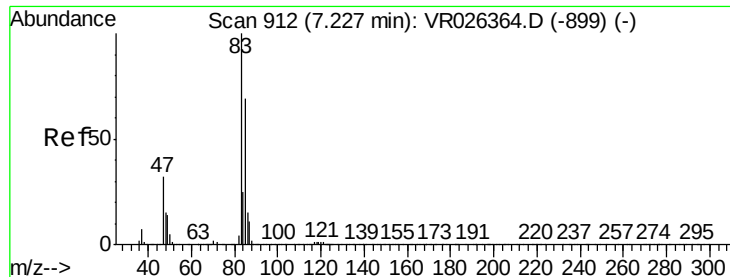


#23

Bromochloromethane
Concen: 0.524 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion: 128 Resp: 5683
Ion Ratio Lower Upper
128 100
49 164.2 161.6 300.0
130 104.2 92.3 171.5
51 52.9 56.3 84.5#

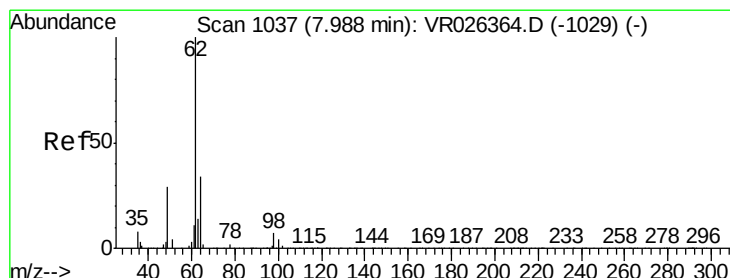
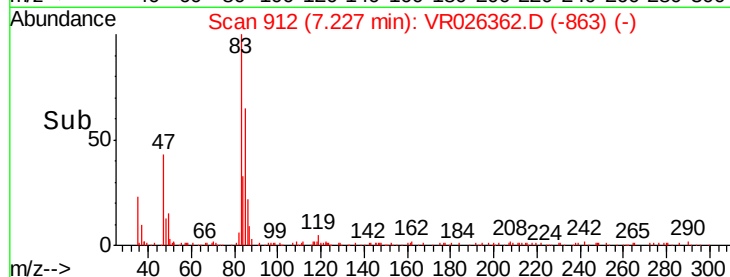
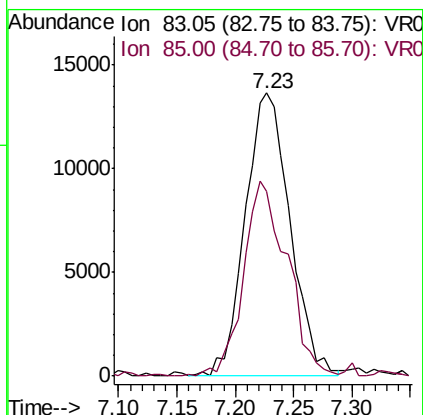
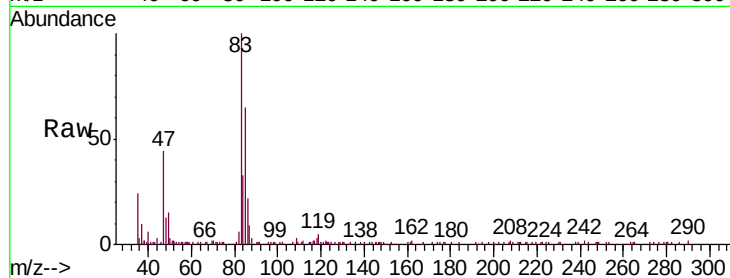




#25
Chloroform
Concen: 0.502 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

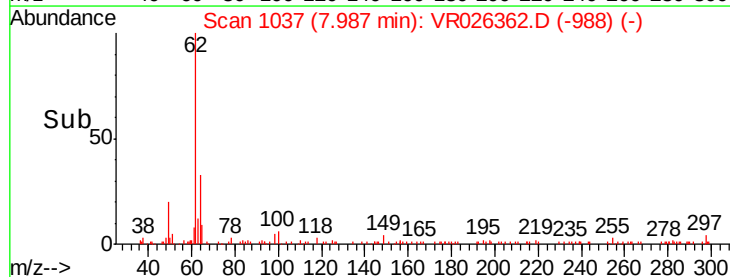
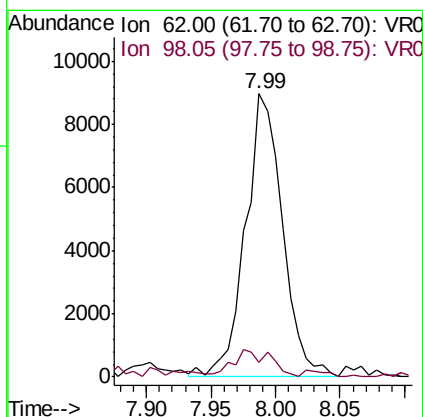
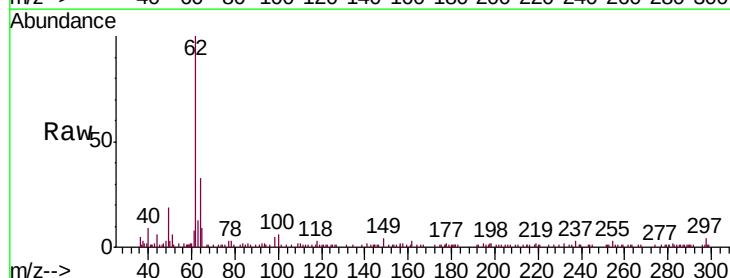
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

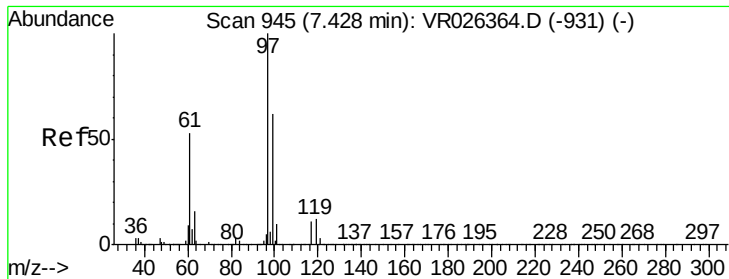
Tgt Ion: 83 Resp: 36398
Ion Ratio Lower Upper
83 100
85 65.2 48.6 90.2



#27
1,2-Dichloroethane
Concen: 0.544 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion: 62 Resp: 17780
Ion Ratio Lower Upper
62 100
98 5.0 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 0.454 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

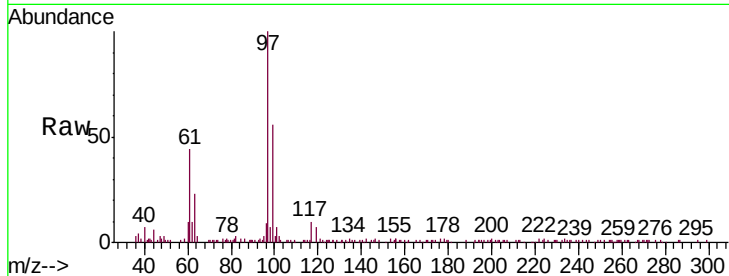
Tgt Ion: 97 Resp: 28506

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

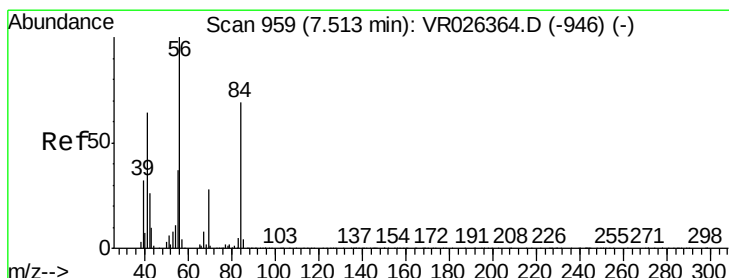
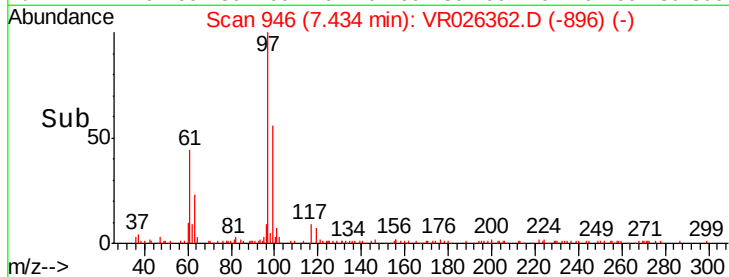
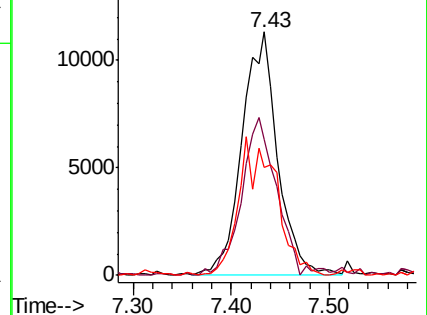
61 25.0 41.8 62.6#



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.322 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

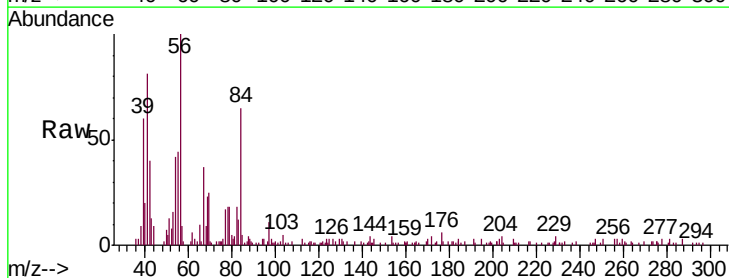
Tgt Ion: 56 Resp: 16422

Ion Ratio Lower Upper

56 100

69 35.0 22.6 34.0#

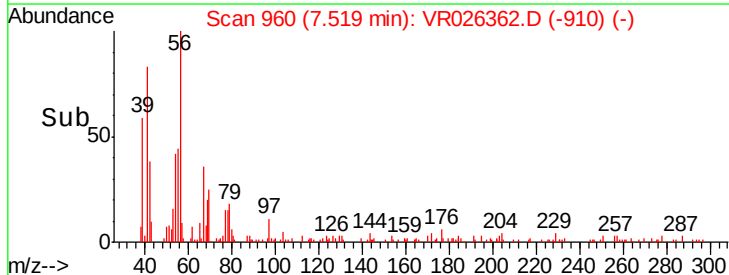
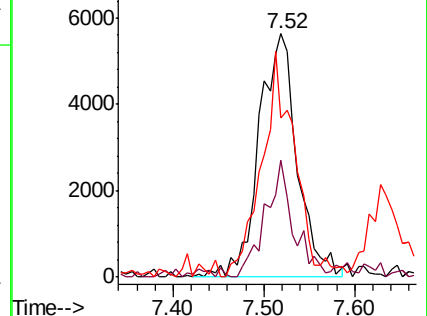
84 77.7 58.2 87.2

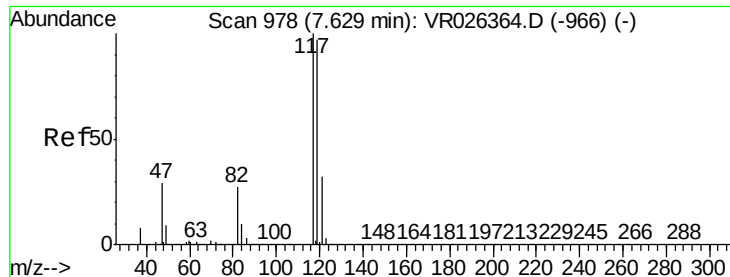


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.458 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

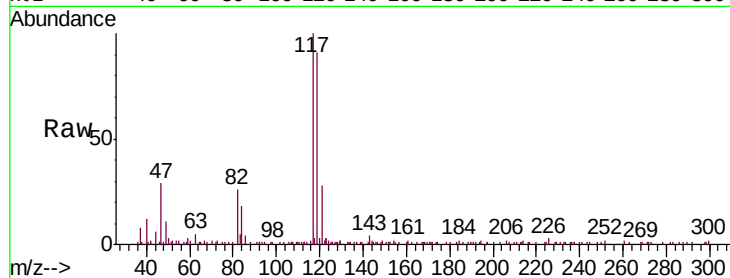
VSTD0.581

Tgt Ion:117 Resp: 26387

Ion Ratio Lower Upper

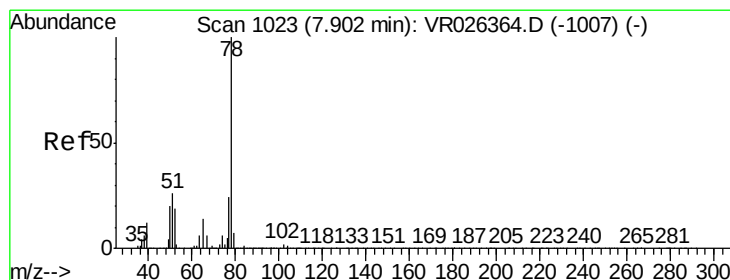
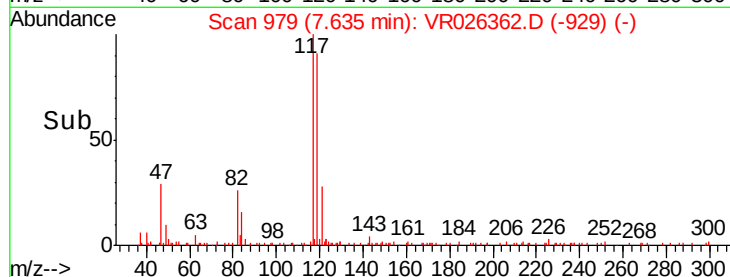
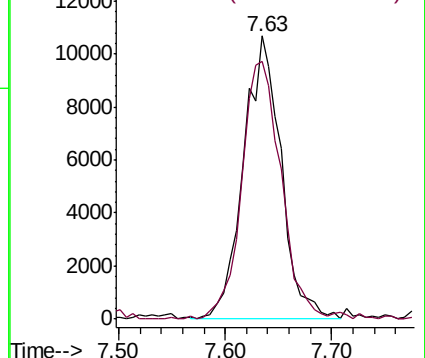
117 100

119 95.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.456 ug/L

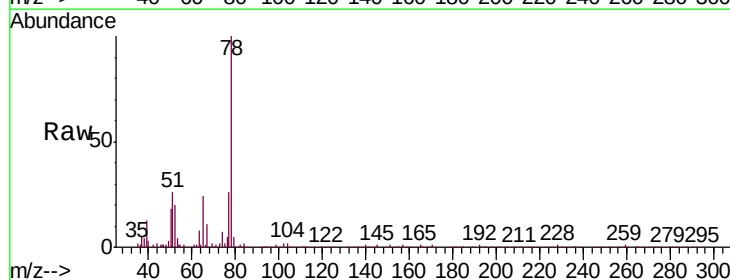
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

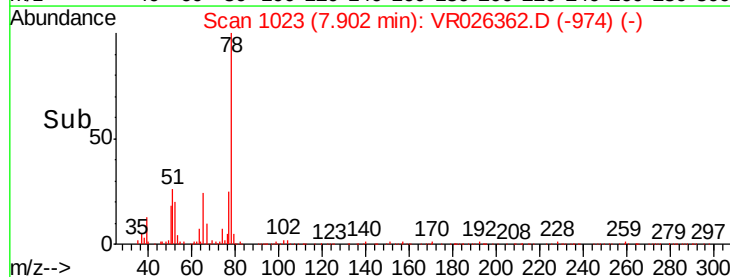
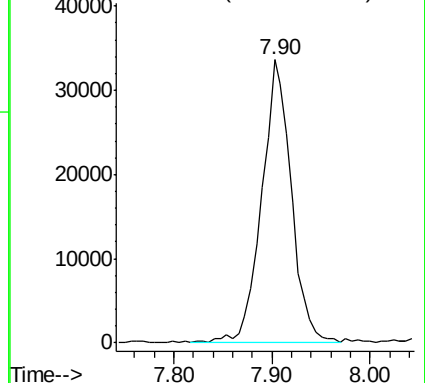
Lab File: VR026362.D

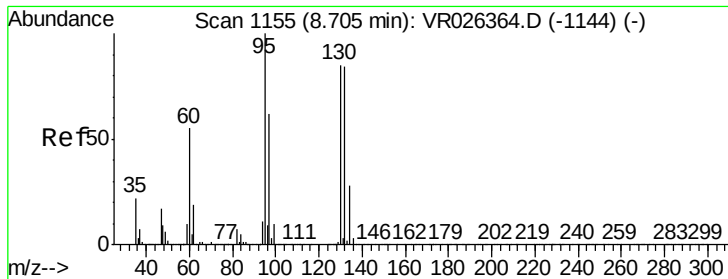
Acq: 22 Feb 2019 14:36

Tgt Ion: 78 Resp: 70747



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.454 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion: 95 Resp: 17881

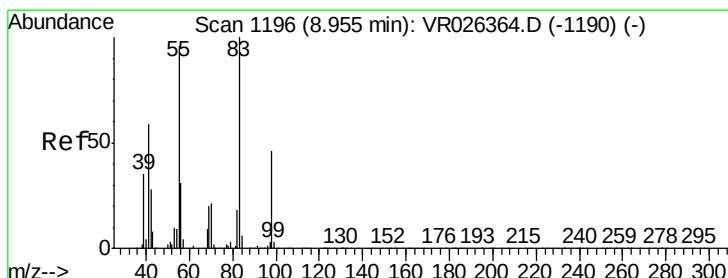
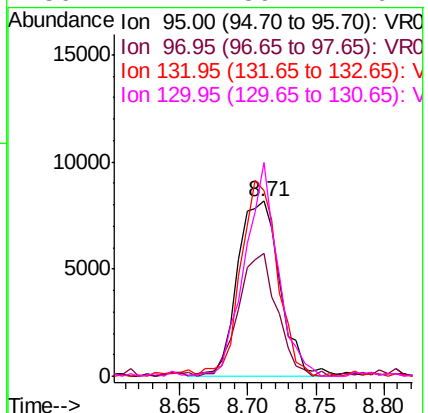
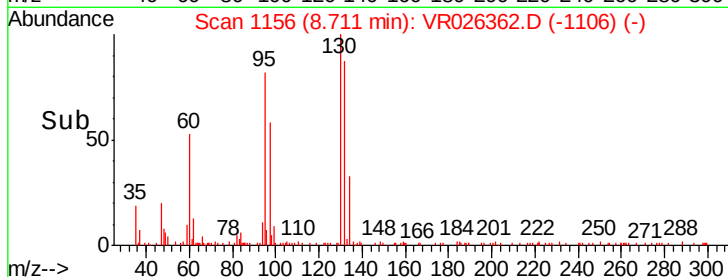
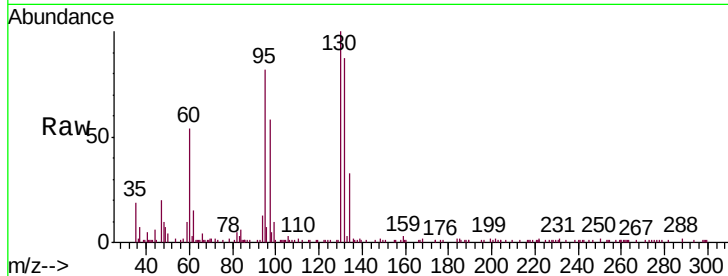
Ion Ratio Lower Upper

95 100

97 70.2 43.5 80.7

132 106.1 58.6 108.8

130 122.1 59.4 110.2#



#35

Methylcyclohexane

Concen: 0.354 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

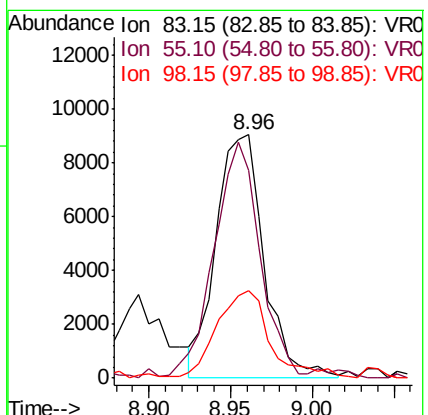
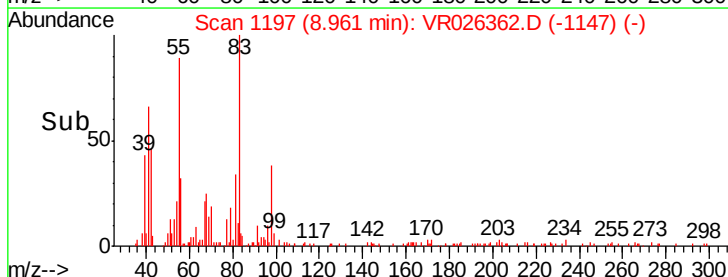
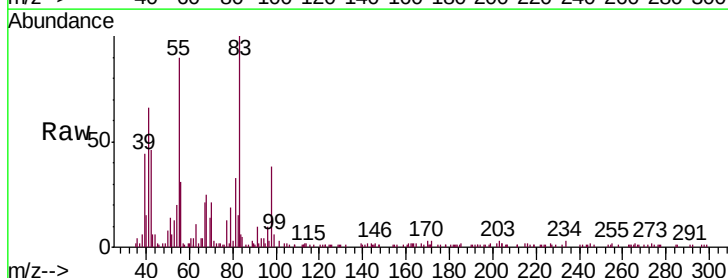
Tgt Ion: 83 Resp: 18603

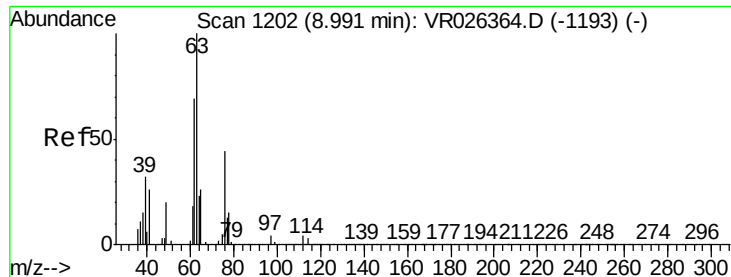
Ion Ratio Lower Upper

83 100

55 91.0 72.2 108.2

98 39.6 35.0 52.4

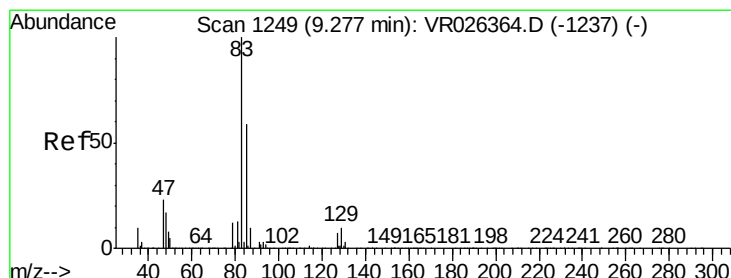
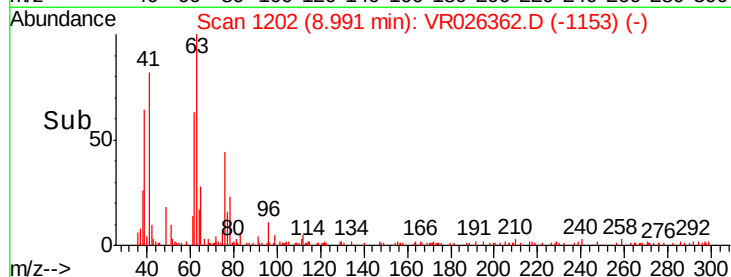
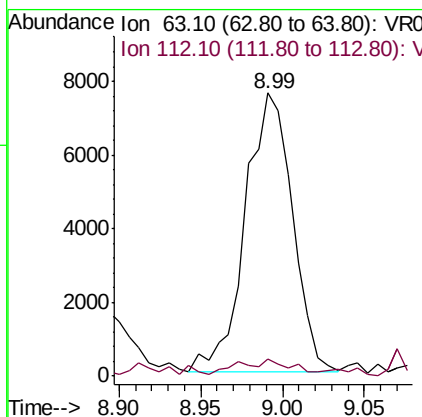
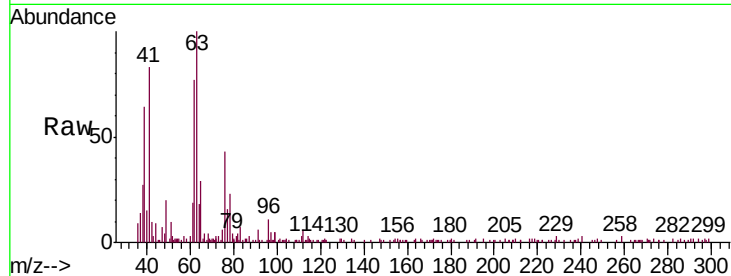




#37
 1,2-Dichloropropane
 Concen: 0.450 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

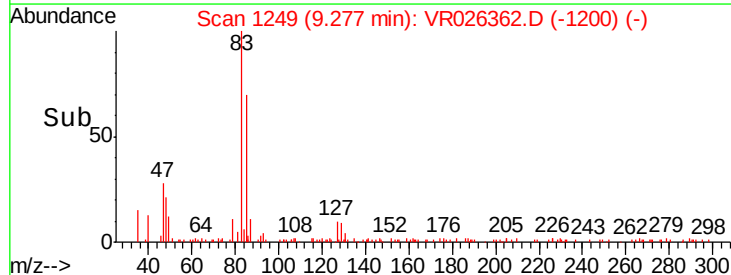
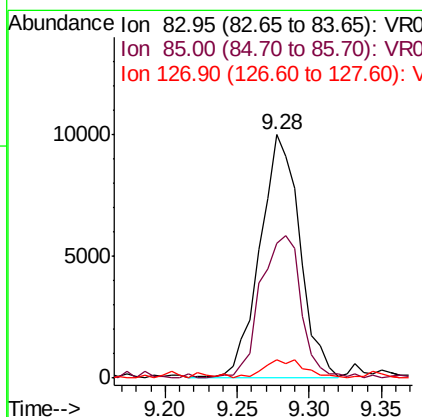
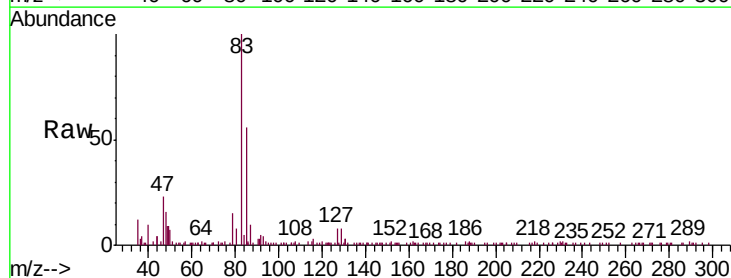
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

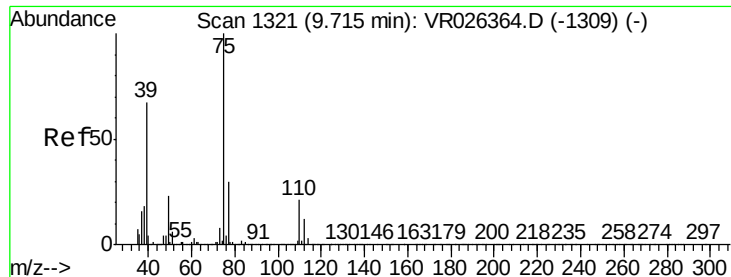
Tgt Ion: 63 Resp: 15208
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.508 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion: 83 Resp: 19236
 Ion Ratio Lower Upper
 83 100
 85 56.7 41.0 76.2
 127 7.7 5.5 8.3





#39

cis-1,3-Dichloropropene

Concen: 0.400 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

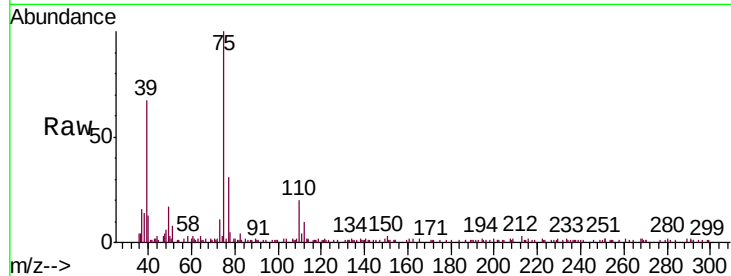
VSTD0.581

Tgt Ion: 75 Resp: 14256

Ion Ratio Lower Upper

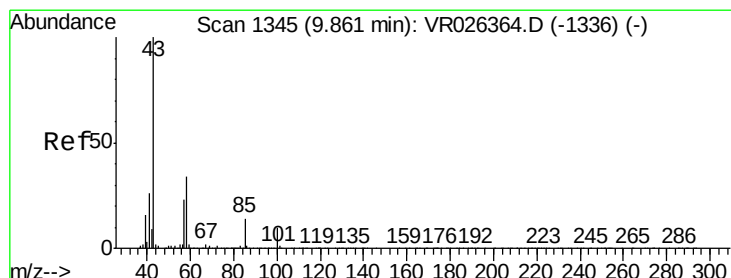
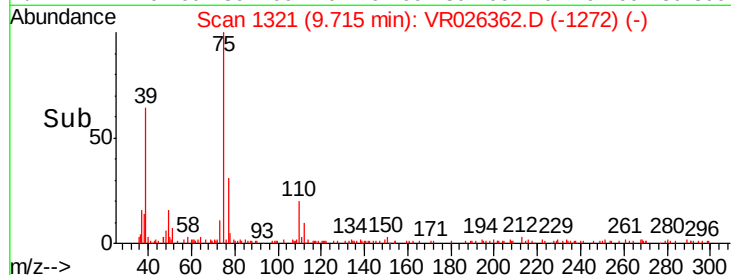
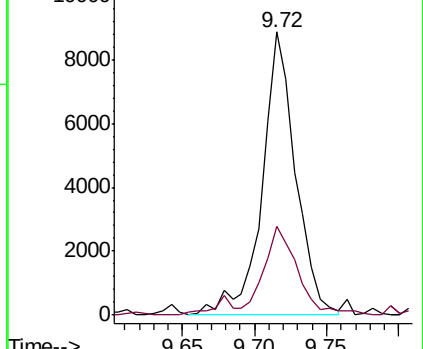
75 100

77 31.5 21.3 39.6



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: 3.566 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

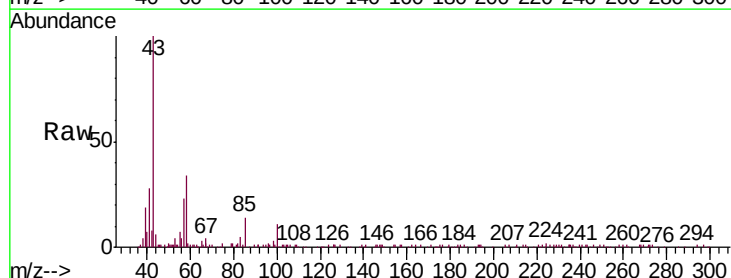
Tgt Ion: 43 Resp: 31416

Ion Ratio Lower Upper

43 100

58 30.4 26.7 40.1

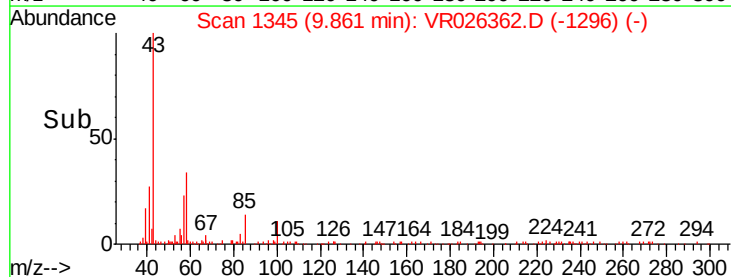
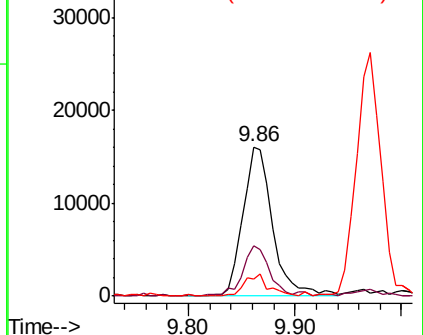
100 11.9 8.4 12.6

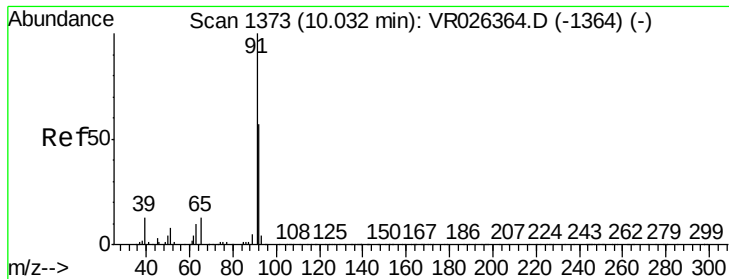


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 0.401 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

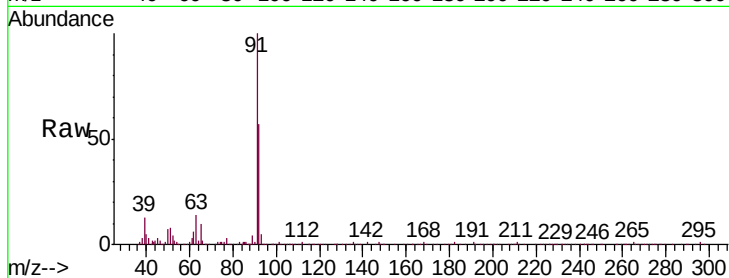
VSTD0.581

Tgt Ion: 91 Resp: 62974

Ion Ratio Lower Upper

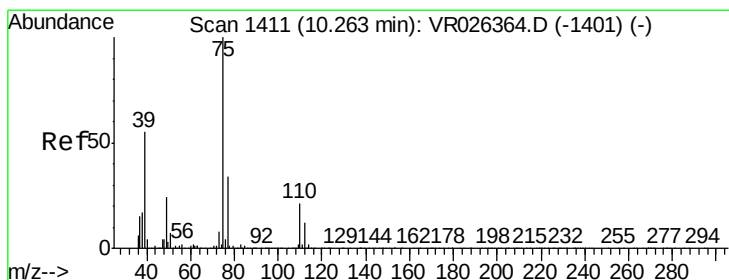
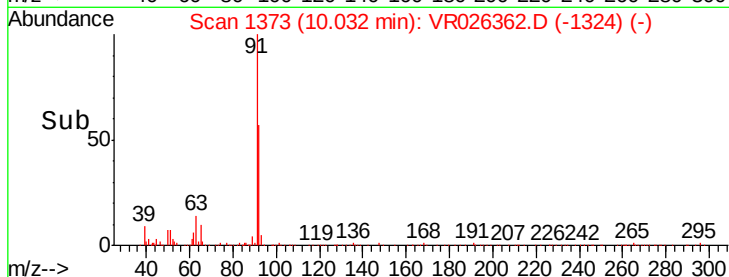
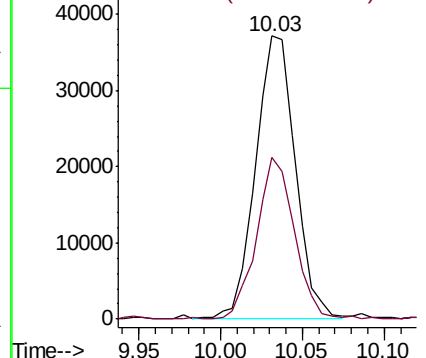
91 100

92 56.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 0.391 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026362.D

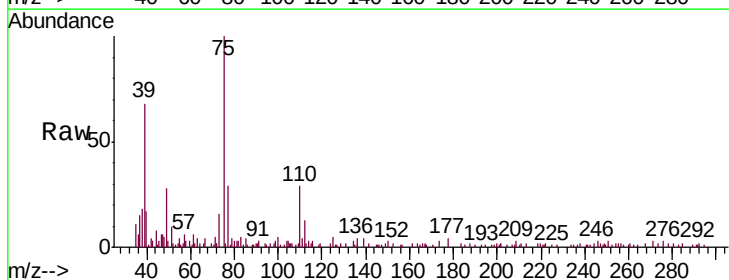
Acq: 22 Feb 2019 14:36

Tgt Ion: 75 Resp: 10298

Ion Ratio Lower Upper

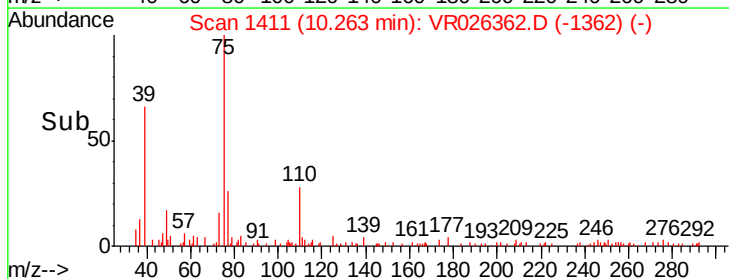
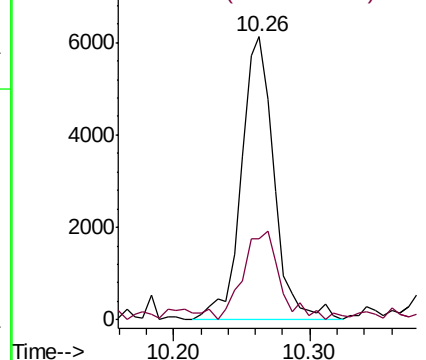
75 100

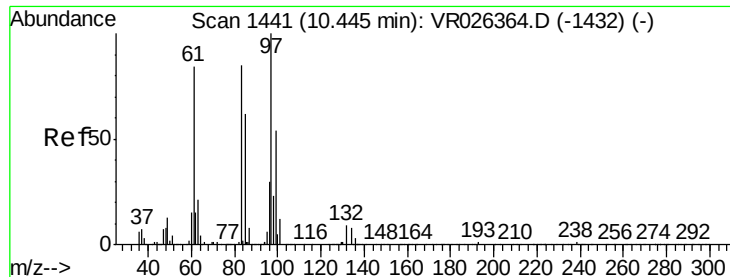
77 28.8 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

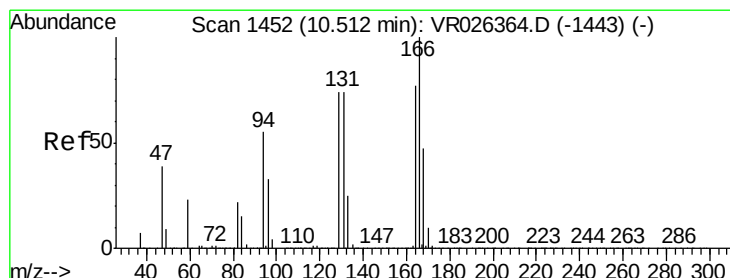
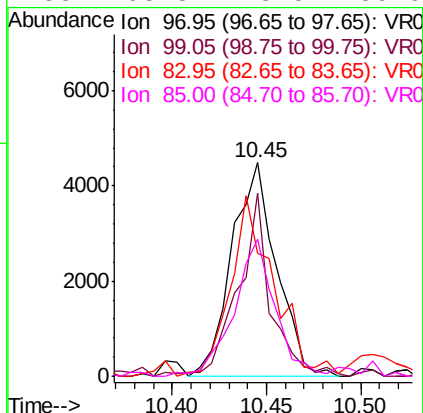
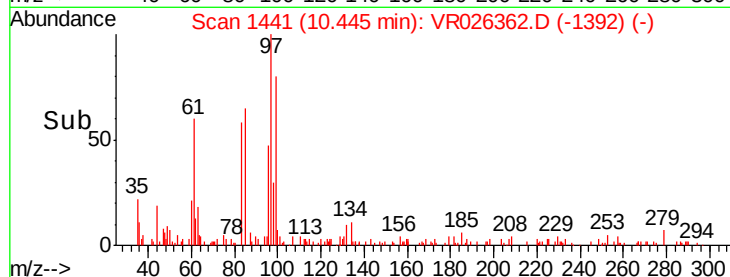
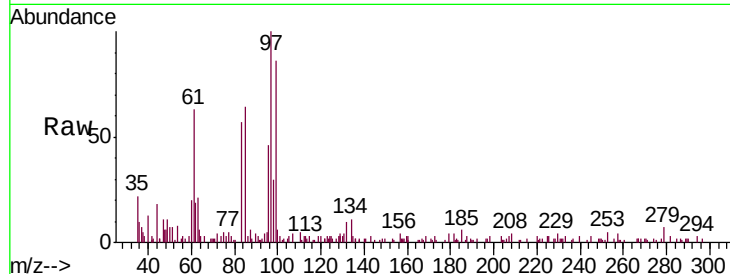




#45
 1,1,2-Trichloroethane
 Concen: 0.514 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

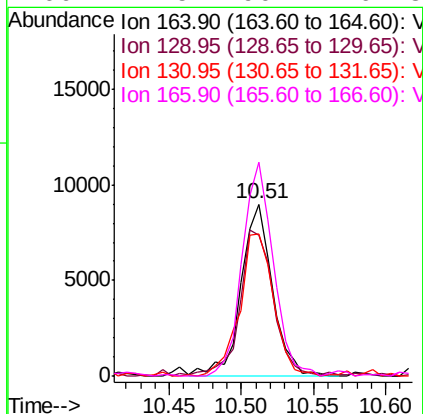
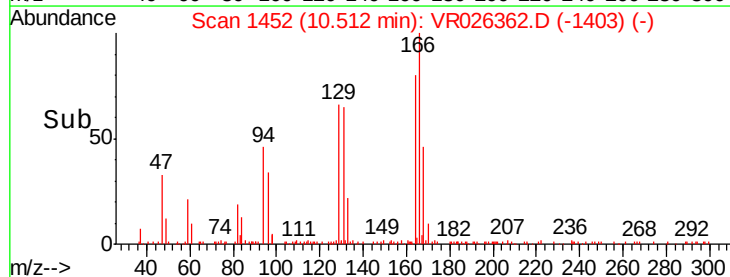
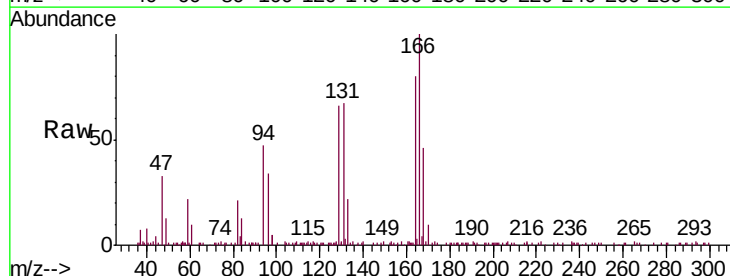
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

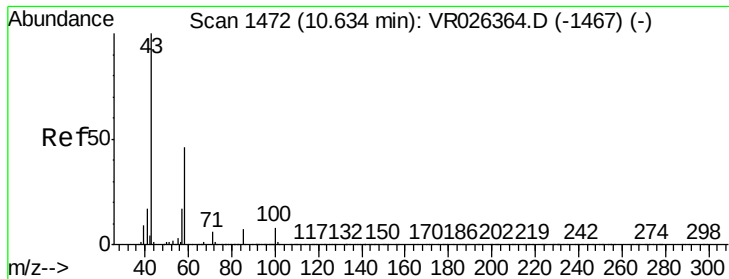
Tgt Ion:	97	Resp:	7331
Ion	Ratio	Lower	Upper
97	100		
99	85.8	38.1	70.7#
83	57.4	59.6	110.6#
85	63.8	43.5	80.9



#47
 Tetrachloroethene
 Concen: 0.468 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion:	164	Resp:	13534
Ion	Ratio	Lower	Upper
164	100		
129	82.0	67.2	124.8
131	83.0	67.3	125.1
166	124.5	90.4	167.8

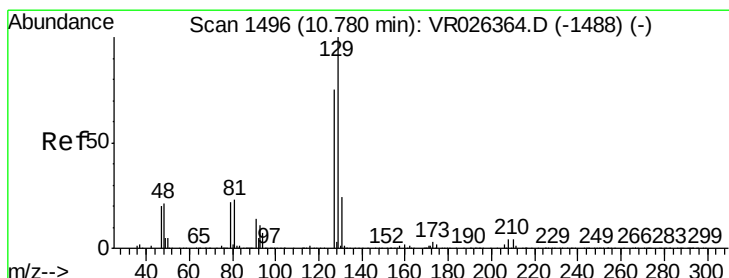
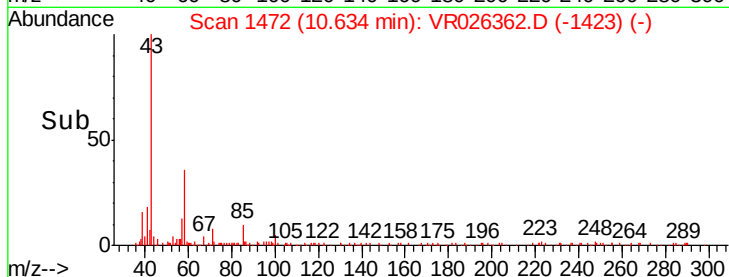
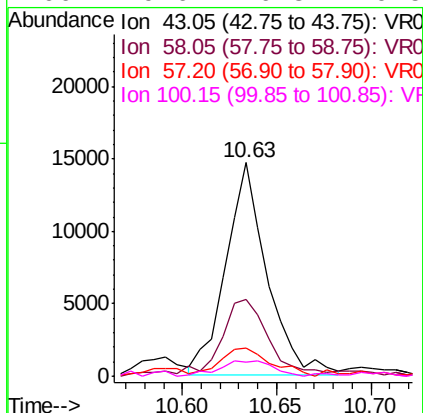
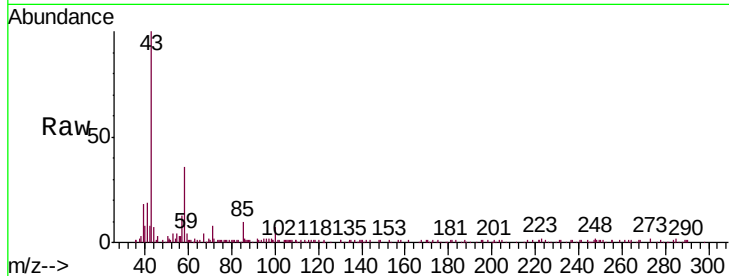




#48
2-Hexanone
Concen: 3.653 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

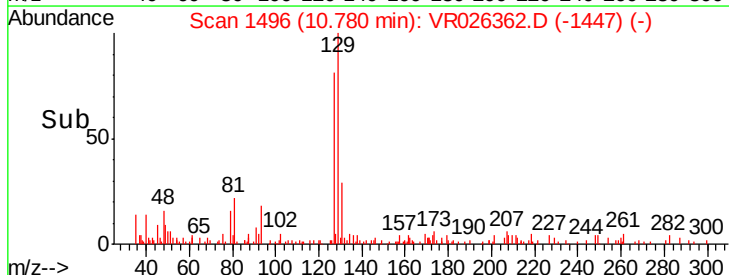
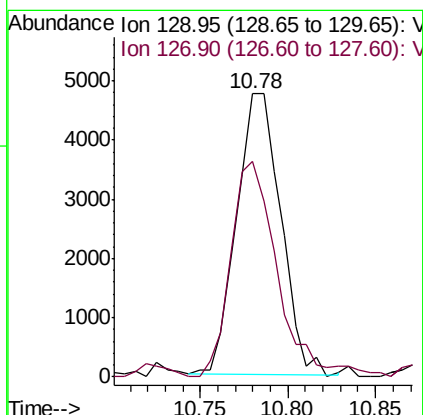
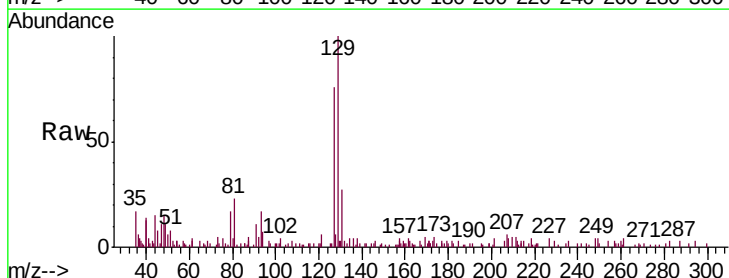
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

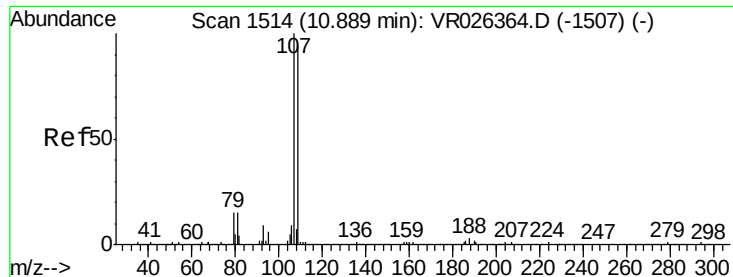
Tgt Ion:	43	Resp:	22103
Ion	Ratio	Lower	Upper
43	100		
58	43.5	38.4	57.6
57	16.1	13.2	19.8
100	9.6	6.3	9.5#



#49
Dibromochloromethane
Concen: 0.452 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion:	129	Resp:	8331
Ion	Ratio	Lower	Upper
129	100		
127	76.3	52.1	96.7

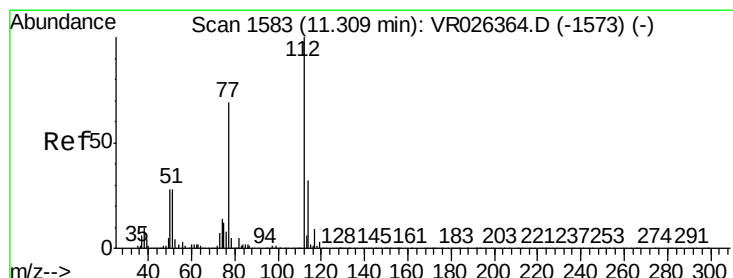
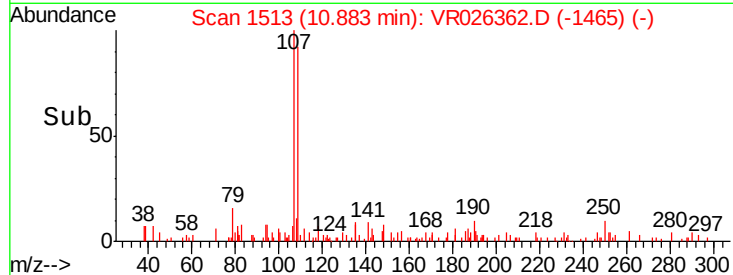
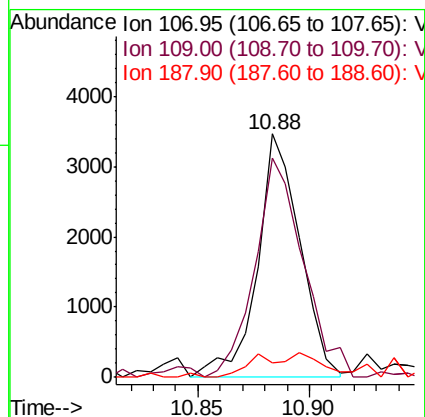
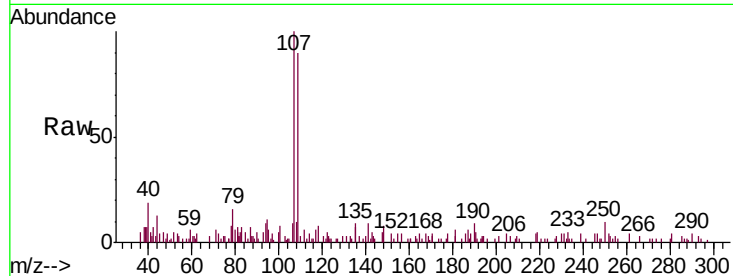




#50
1,2-Dibromoethane
Concen: 0.399 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

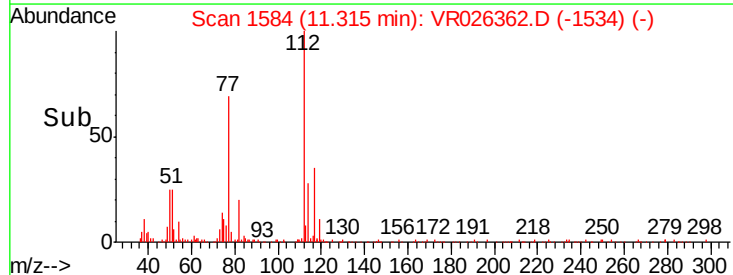
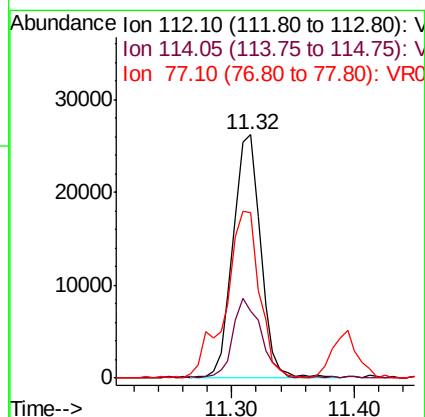
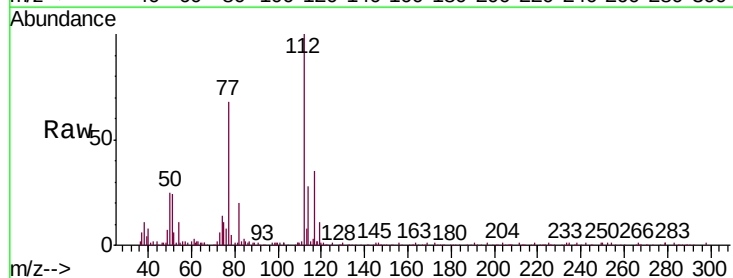
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

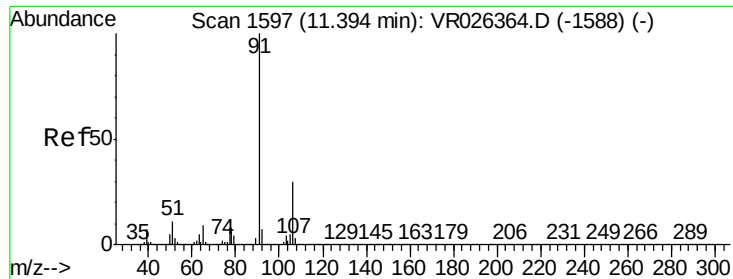
Tgt Ion:107 Resp: 4600
Ion Ratio Lower Upper
107 100
109 90.2 66.4 123.4
188 5.8 2.2 3.2#



#51
Chlorobenzene
Concen: 0.452 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion:112 Resp: 41052
Ion Ratio Lower Upper
112 100
114 27.7 22.0 41.0
77 68.1 55.4 83.2





#52

Ethylbenzene

Concen: 0.391 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

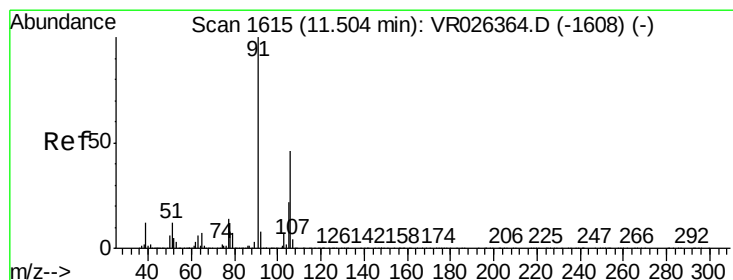
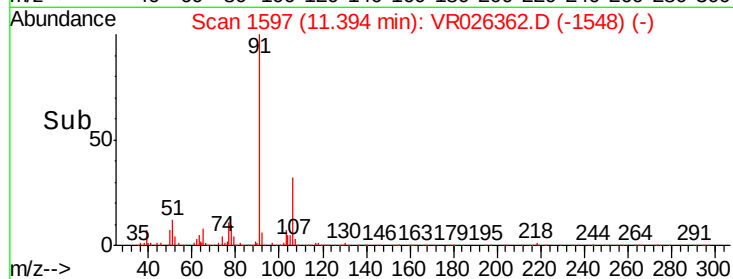
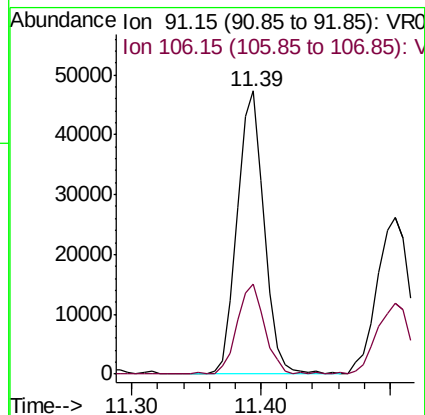
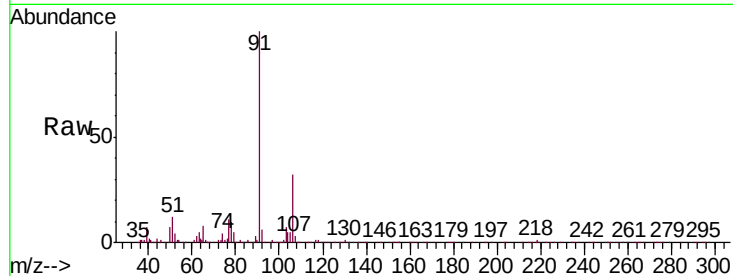
VSTD0.581

Tgt Ion: 91 Resp: 68436

Ion Ratio Lower Upper

91 100

106 31.8 21.2 39.4



#53

m,p-Xylene

Concen: 0.337 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026362.D

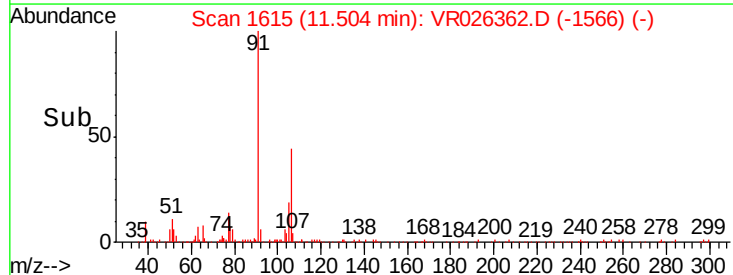
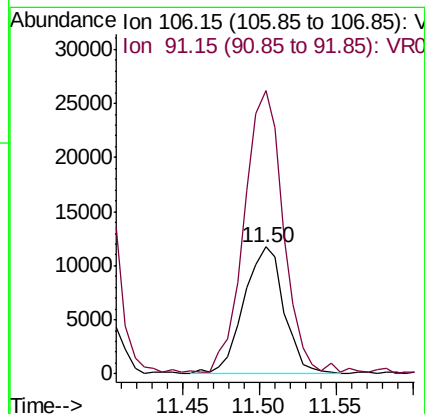
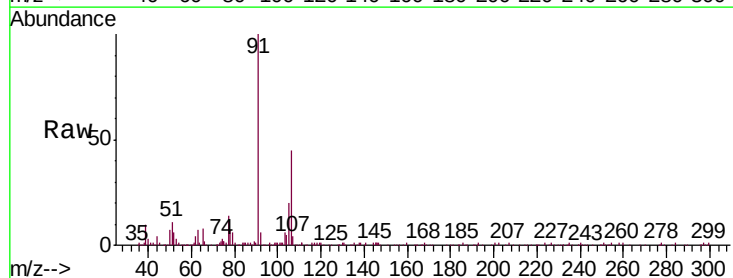
Acq: 22 Feb 2019 14:36

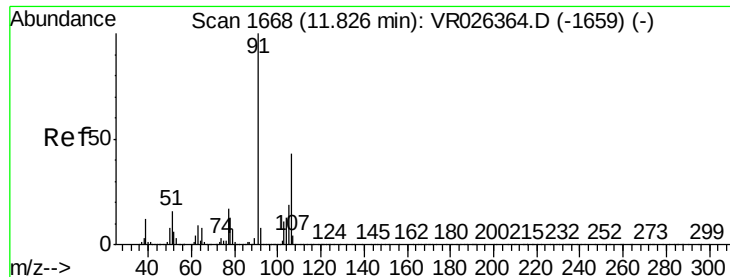
Tgt Ion: 106 Resp: 21529

Ion Ratio Lower Upper

106 100

91 222.7 153.9 285.7

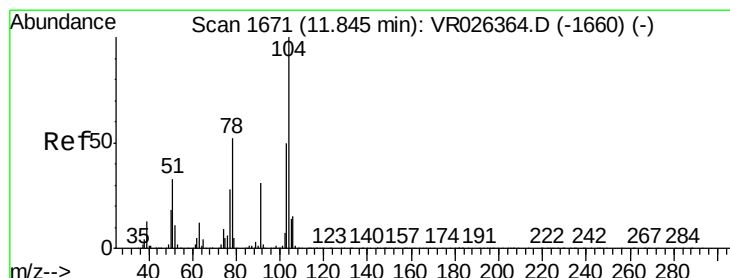
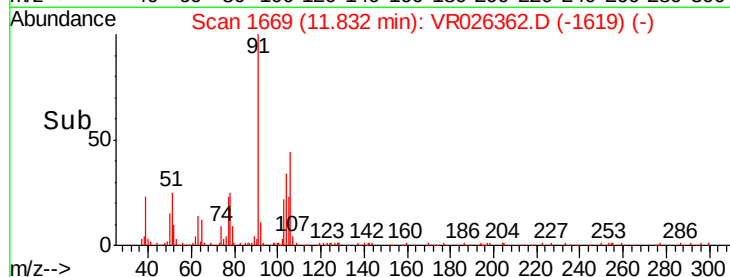
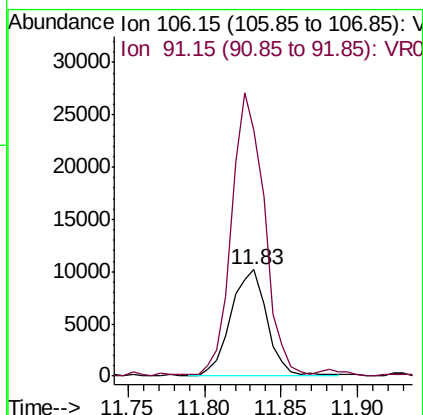
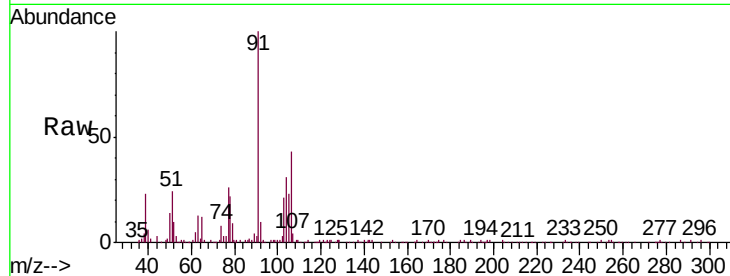




#54
o-Xylene
Concen: 0.301 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

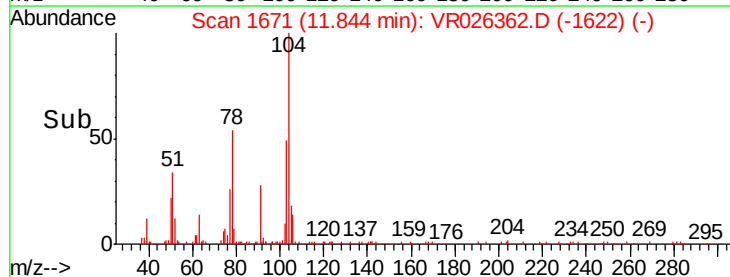
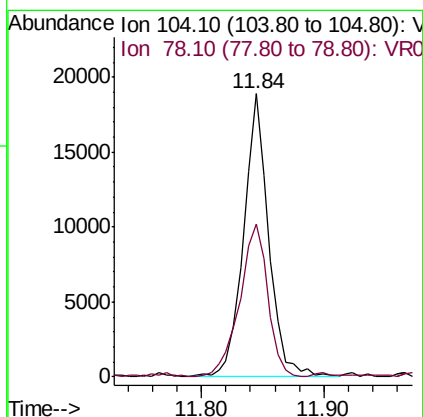
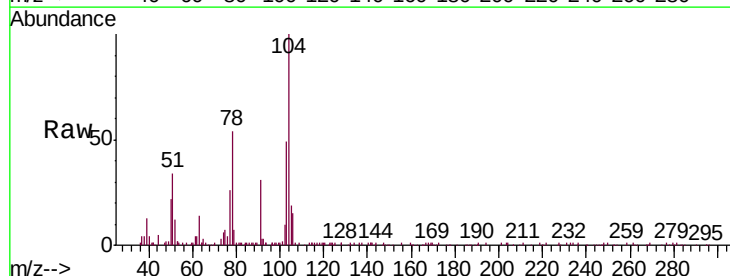
Instrument :
MSVOA_R
ClientSampleId :
VSTD0.581

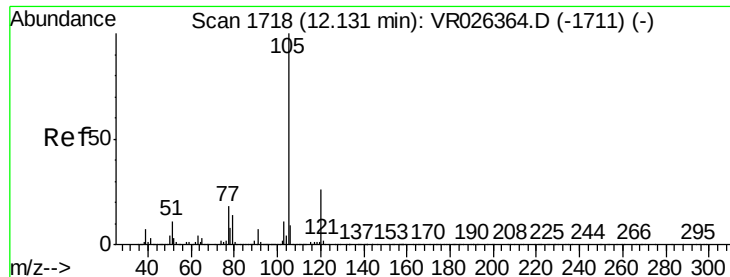
Tgt Ion:106 Resp: 16688
Ion Ratio Lower Upper
106 100
91 230.7 162.5 301.9



#55
Styrene
Concen: 0.307 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026362.D
Acq: 22 Feb 2019 14:36

Tgt Ion:104 Resp: 26827
Ion Ratio Lower Upper
104 100
78 53.8 36.5 67.7





#56

Isopropylbenzene

Concen: 0.301 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

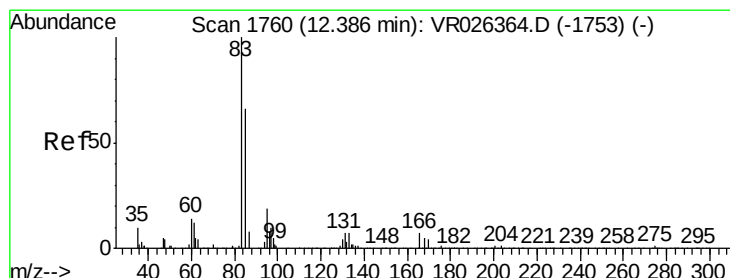
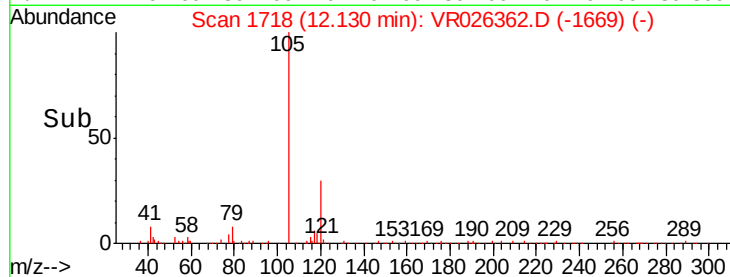
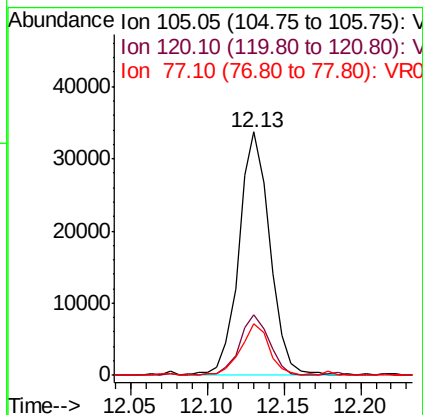
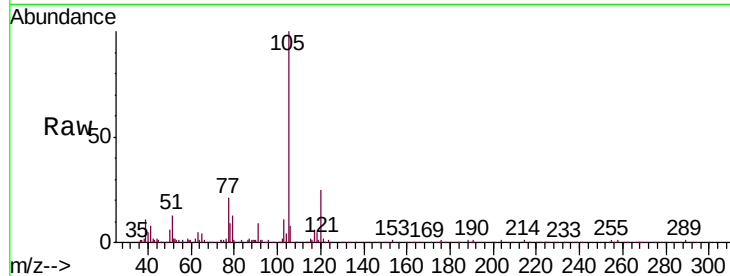
Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

Tgt Ion:	105	Resp:	47166
Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.4	30.6
77	19.8	14.4	21.6



#58

1,1,2,2-Tetrachloroethane

Concen: 0.479 ug/L

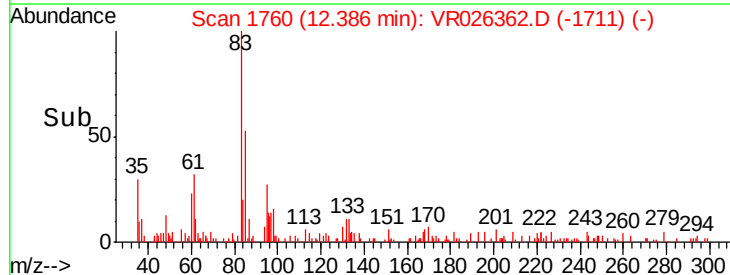
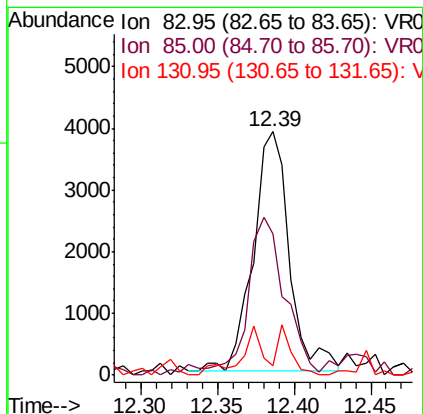
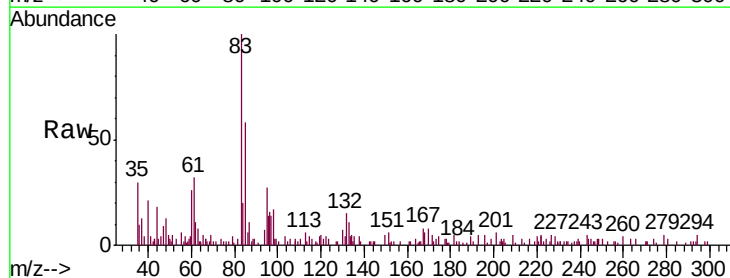
RT: 12.39 min Scan# 1760

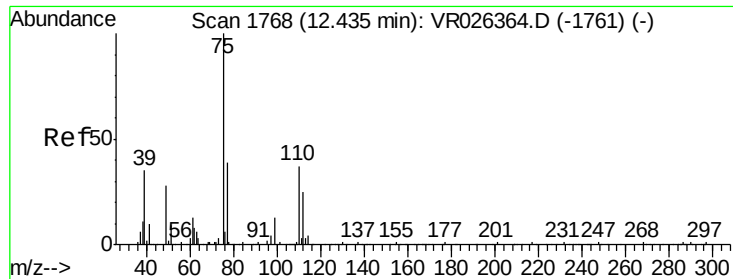
Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Tgt Ion:	83	Resp:	6426
Ion	Ratio	Lower	Upper
83	100		
85	58.1	46.1	85.7
131	4.0	6.1	9.1#

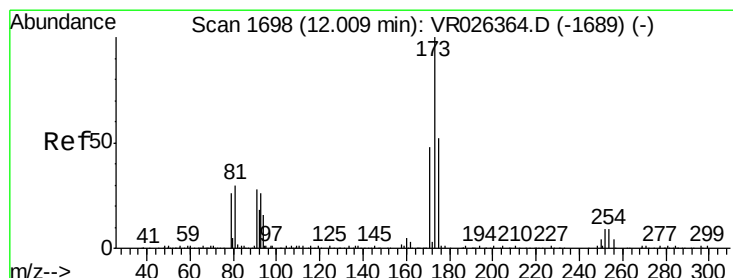
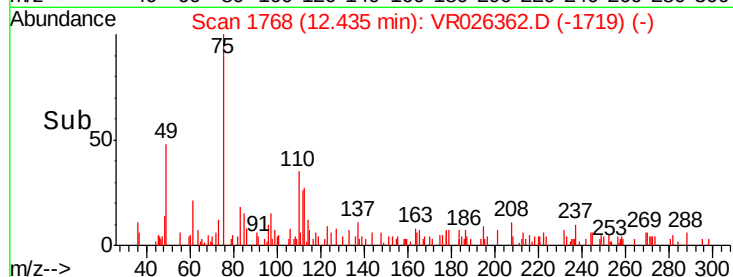
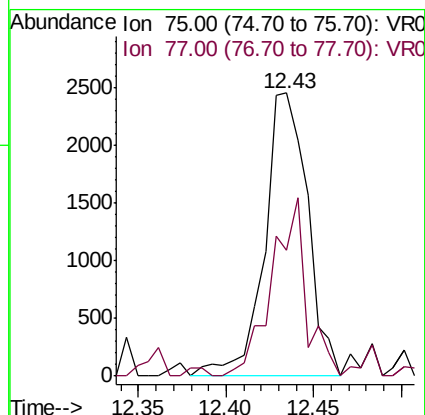
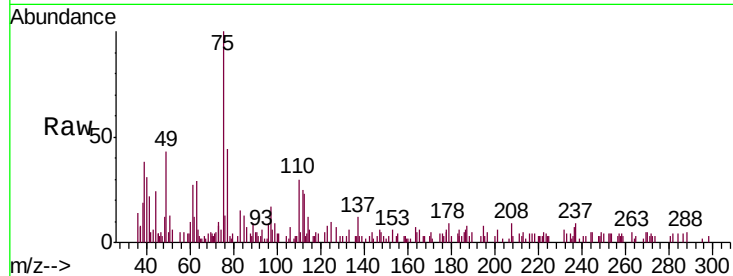




#59
 1,2,3-Trichloropropane
 Concen: 0.435 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

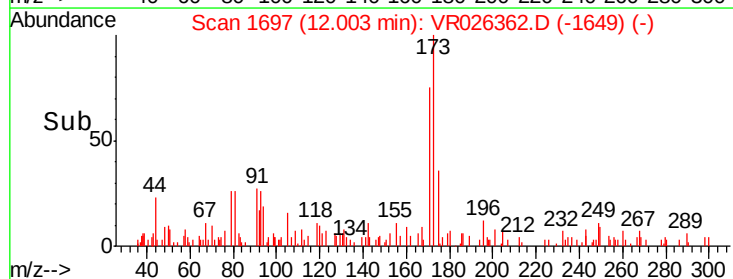
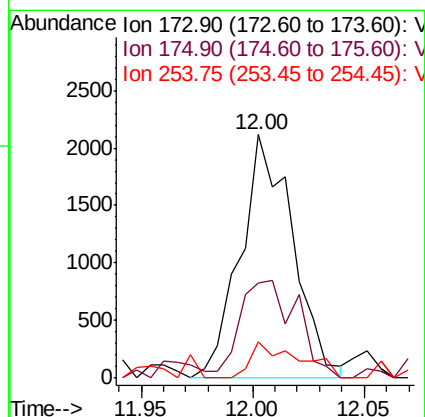
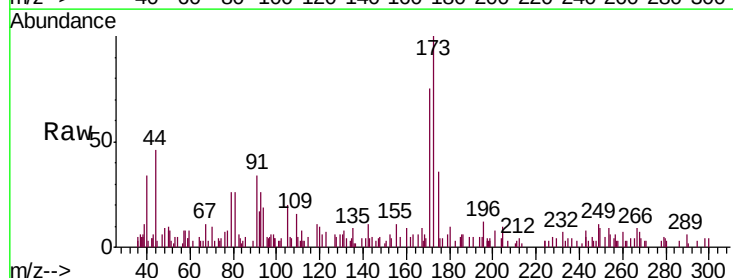
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

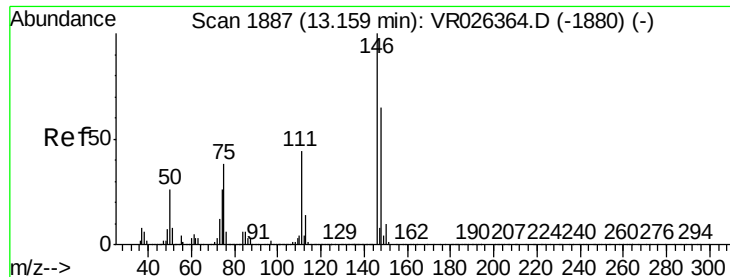
Tgt Ion: 75 Resp: 4211
 Ion Ratio Lower Upper
 75 100
 77 50.3 25.4 38.2#



#61
 Bromoform
 Concen: 0.535 ug/L
 RT: 12.00 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion: 173 Resp: 3466
 Ion Ratio Lower Upper
 173 100
 175 42.9 38.8 58.2
 254 13.7 7.7 11.5#

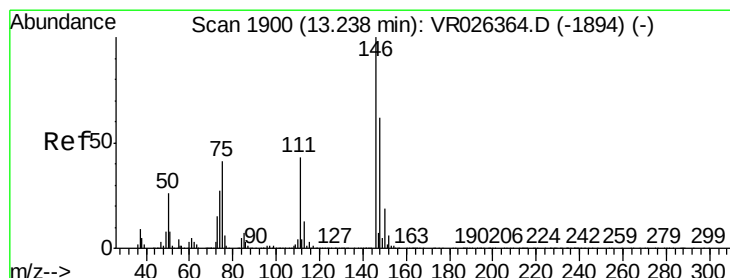
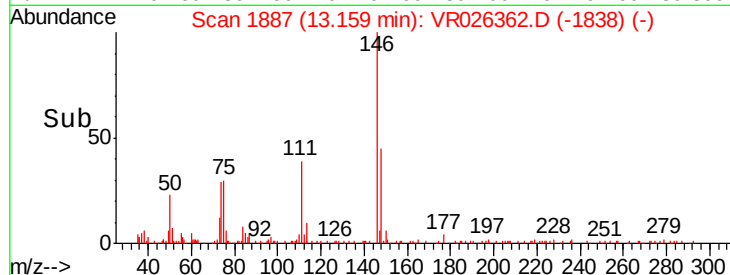
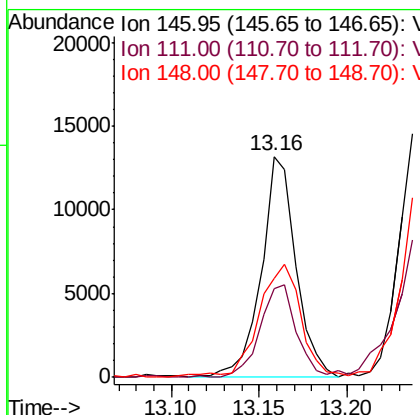
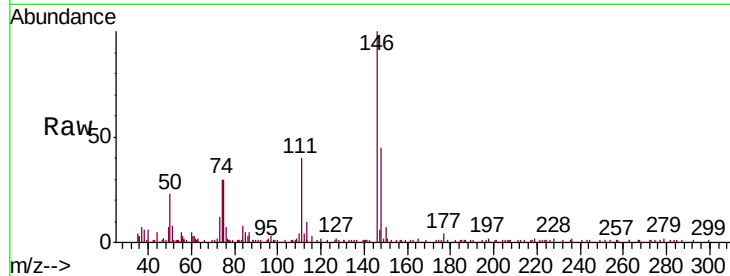




#62
 1,3-Dichlorobenzene
 Concen: 0.426 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

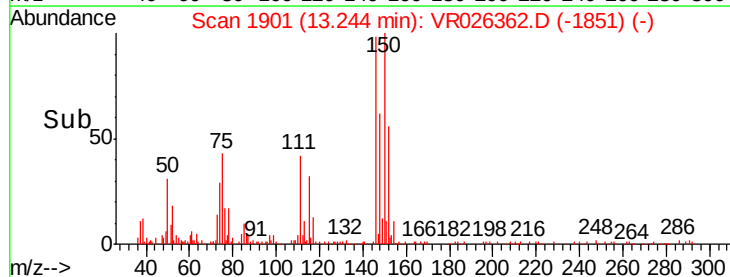
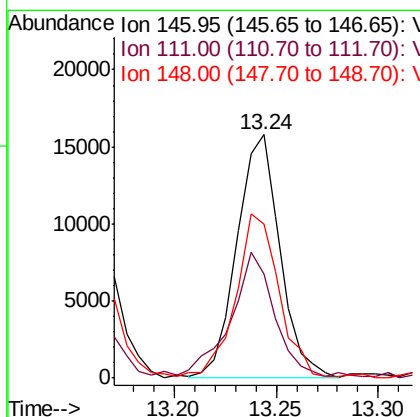
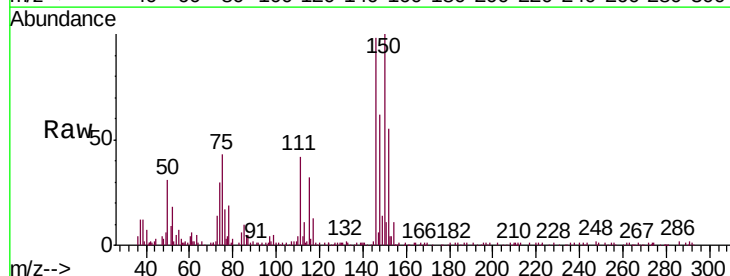
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

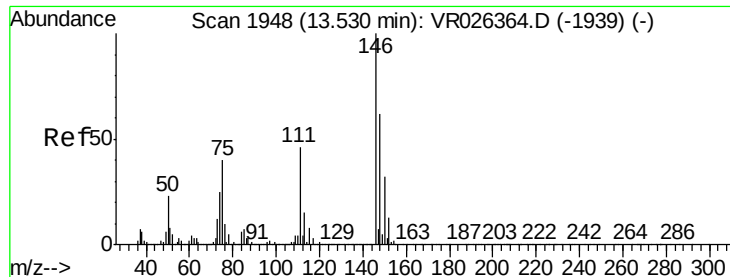
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	31.1	57.9
148	44.8	45.4	84.2#



#63
 1,4-Dichlorobenzene
 Concen: 0.468 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.01 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	30.0	55.8
148	63.3	43.7	81.1

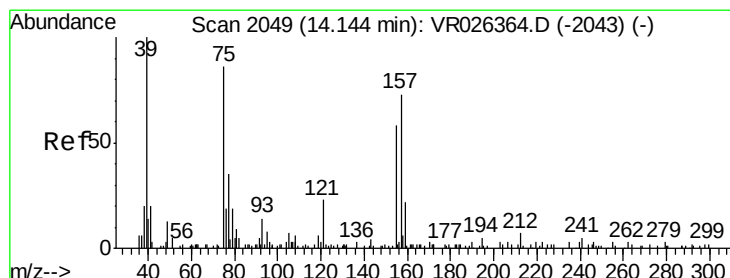
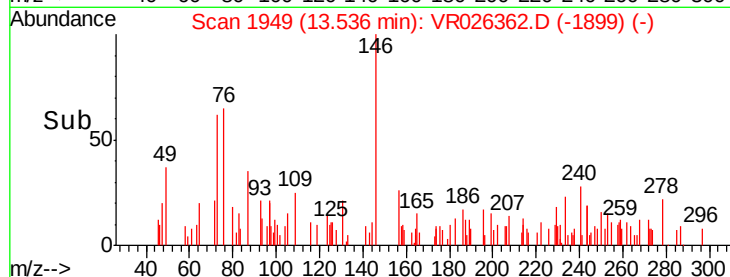
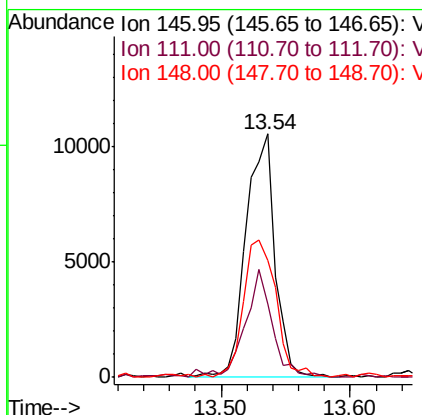
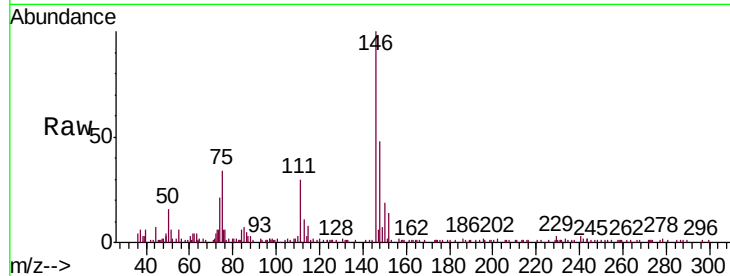




#65
 1,2-Dichlorobenzene
 Concen: 0.447 ug/L
 RT: 13.54 min Scan# 1949
 Delta R.T. 0.01 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

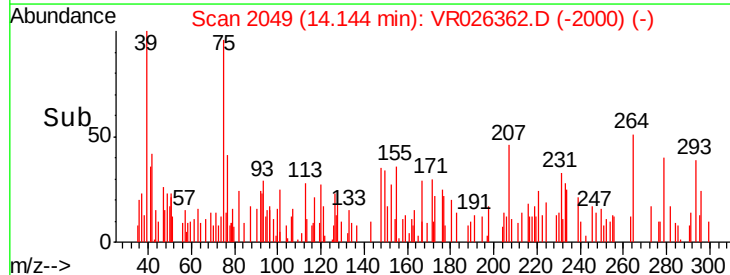
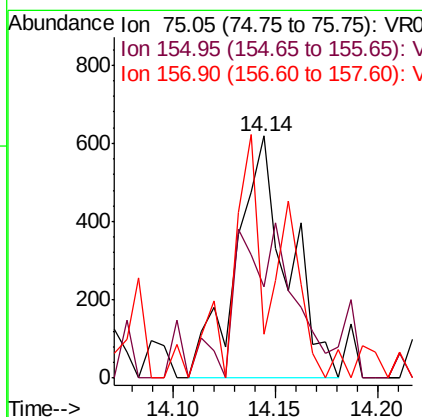
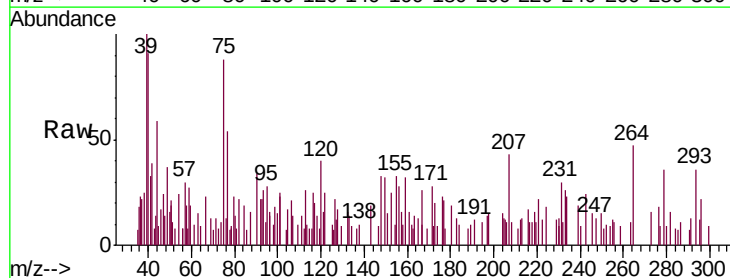
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

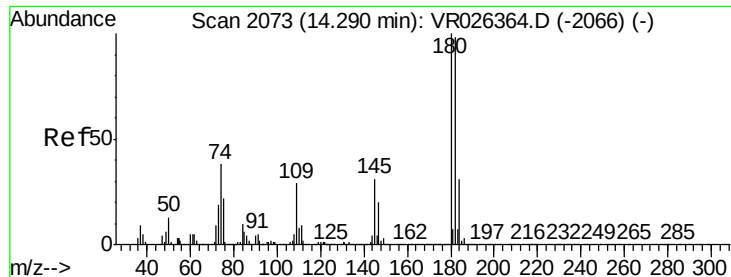
Tgt Ion: 146 Resp: 16326
 Ion Ratio Lower Upper
 146 100
 111 30.2 36.9 55.3#
 148 47.8 49.4 74.0#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.775 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion: 75 Resp: 1084
 Ion Ratio Lower Upper
 75 100
 155 37.8 53.8 80.8#
 157 18.3 67.4 101.0#

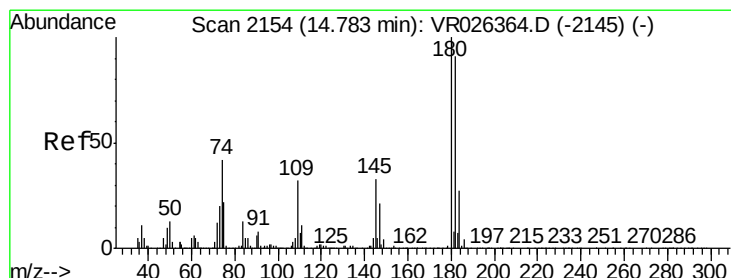
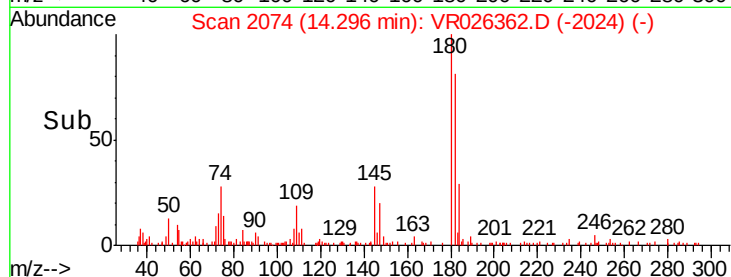
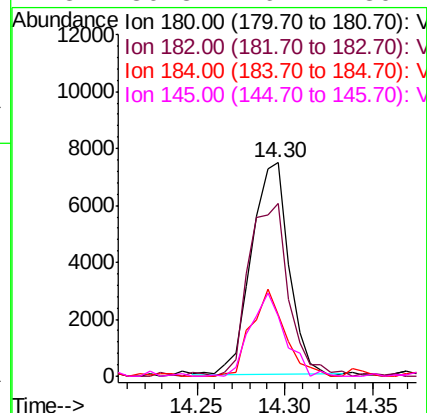
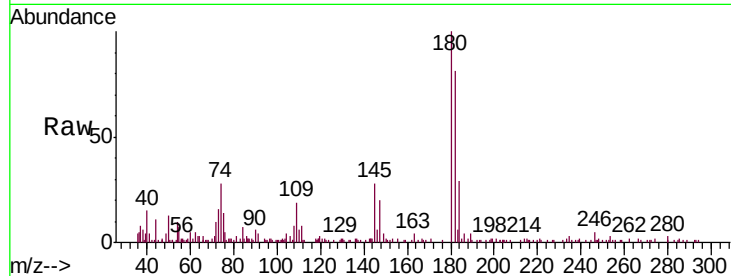




#67
 1,3,5-Trichlorobenzene
 Concen: 0.403 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

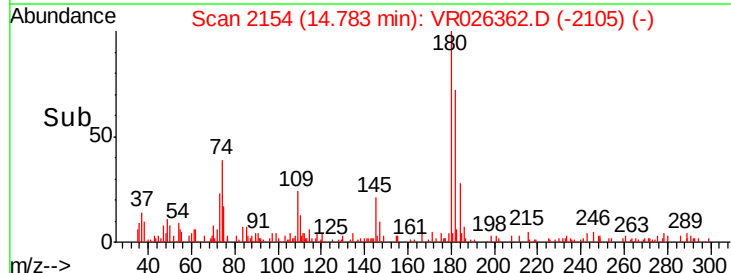
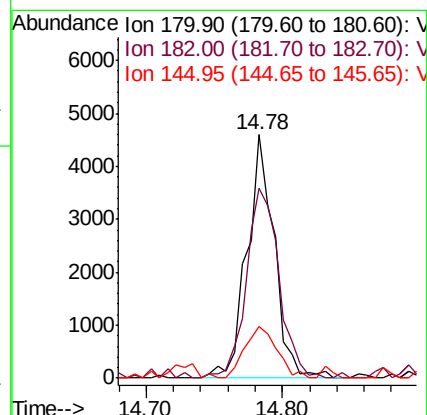
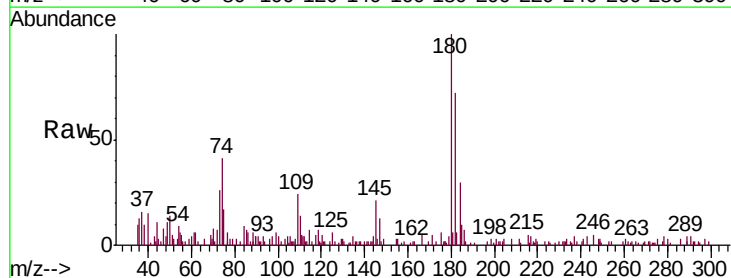
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

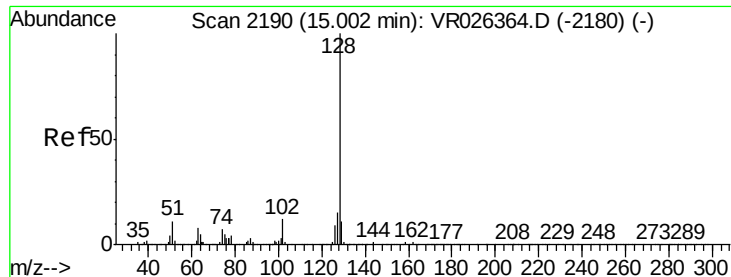
Tgt Ion:	180	Resp:	11068
Ion	Ratio	Lower	Upper
180	100		
182	88.3	79.0	118.6
184	36.9	25.5	38.3
145	36.3	26.2	39.2



#68
 1,2,4-trichlorobenzene
 Concen: 0.430 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026362.D
 Acq: 22 Feb 2019 14:36

Tgt Ion:	180	Resp:	6466
Ion	Ratio	Lower	Upper
180	100		
182	93.0	74.7	112.1
145	24.8	26.6	40.0#





#69

Naphthalene

Concen: 0.307 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Instrument :

MSVOA_R

ClientSampleId :

VSTD0.581

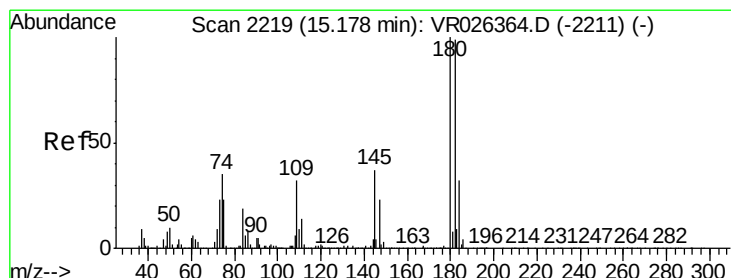
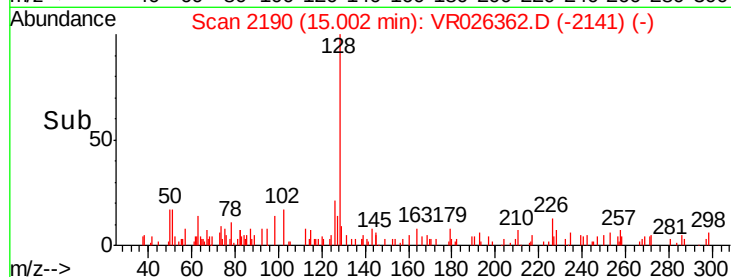
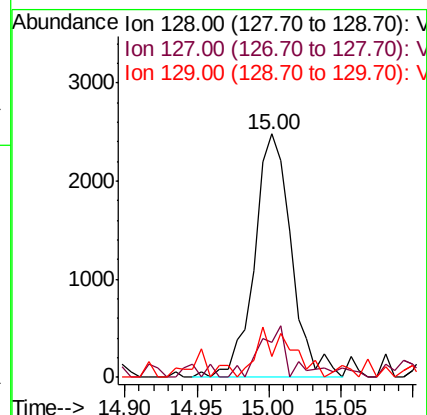
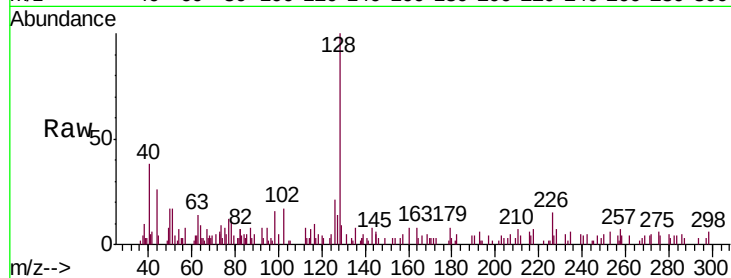
Tgt Ion:128 Resp: 4359

Ion Ratio Lower Upper

128 100

127 16.0 11.2 16.8

129 8.4 8.3 12.5



#70

1,2,3-Trichlorobenzene

Concen: 0.414 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR026362.D

Acq: 22 Feb 2019 14:36

Tgt Ion:180 Resp: 4715

Ion Ratio Lower Upper

180 100

182 77.8 77.4 116.0

145 27.1 28.6 42.8#

