

Data File : VR026612.D
Acq On : 10 Sep 2019 17:13
Operator : SY/MD
Sample : VSTD01065
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

Quant Time: Sep 11 07:37:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 07:33:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	479397	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	364650	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	158736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	134582	9.01	ug/L	0.00
7) Chloroethane-d5	2.63	69	114333	9.78	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.63	63	342450	10.96	ug/L	0.00
20) 2-Butanone-d5	6.61	46	339770	102.79	ug/L	0.00
24) Chloroform-d	7.23	84	506613	10.60	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	161351	11.17	ug/L	0.00
32) Benzene-d6	7.88	84	985161	9.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	265418	9.82	ug/L	0.00
41) Toluene-d8	9.99	98	759553	9.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	62323	9.20	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	208984	90.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.37	84	124522	10.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	196350	8.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	475112	13.750 ug/L	98
3) Chloromethane	2.05	50	272007	11.759 ug/L	97
5) Vinyl chloride	2.18	62	261239	12.162 ug/L	93
6) Bromomethane	2.54	94	149499	11.206 ug/L	95
8) Chloroethane	2.66	64	145420	11.974 ug/L	92
9) Trichlorofluoromethane	2.97	101	385029	12.198 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	181144	11.889 ug/L	98
12) 1,1-Dichloroethene	3.64	96	179885	11.549 ug/L	91
13) Acetone	3.73	43	193588	133.923 ug/L	98
14) Carbon disulfide	3.95	76	614059	6.756 ug/L	99
15) Methyl Acetate	4.22	43	89497	13.107 ug/L	97
16) Methylene chloride	4.43	84	367334	11.227 ug/L	96
17) Methyl tert-butyl Ether	4.93	73	514728	13.644 ug/L	99
18) trans-1,2-Dichloroethene	4.91	96	405269	11.685 ug/L	98
19) 1,1-Dichloroethane	5.72	63	765217	12.664 ug/L	99
21) 2-Butanone	6.72	43	431342	132.496 ug/L	99
22) cis-1,2-Dichloroethene	6.70	96	412918	12.370 ug/L	# 98
23) Bromochloromethane	7.08	128	107780	11.501 ug/L	85
25) Chloroform	7.25	83	663994	11.865 ug/L	98
27) 1,2-Dichloroethane	8.01	62	250663	12.901 ug/L	98
29) 1,1,1-Trichloroethane	7.45	97	556270	12.518 ug/L	99
30) Cyclohexane	7.54	56	671092	10.501 ug/L	97
31) Carbon tetrachloride	7.66	117	444815	11.459 ug/L	99
33) Benzene	7.93	78	1540466	11.229 ug/L	100
34) Trichloroethene	8.73	95	368544	11.050 ug/L	98
35) Methylcyclohexane	8.97	83	622251	10.753 ug/L	99
37) 1,2-Dichloropropane	9.02	63	312139	11.476 ug/L	100
38) Bromodichloromethane	9.30	83	331797	12.304 ug/L	98
39) cis-1,3-Dichloropropene	9.73	75	368089	12.203 ug/L	98
40) 4-Methyl-2-pentanone	9.88	43	976484	126.521 ug/L	99

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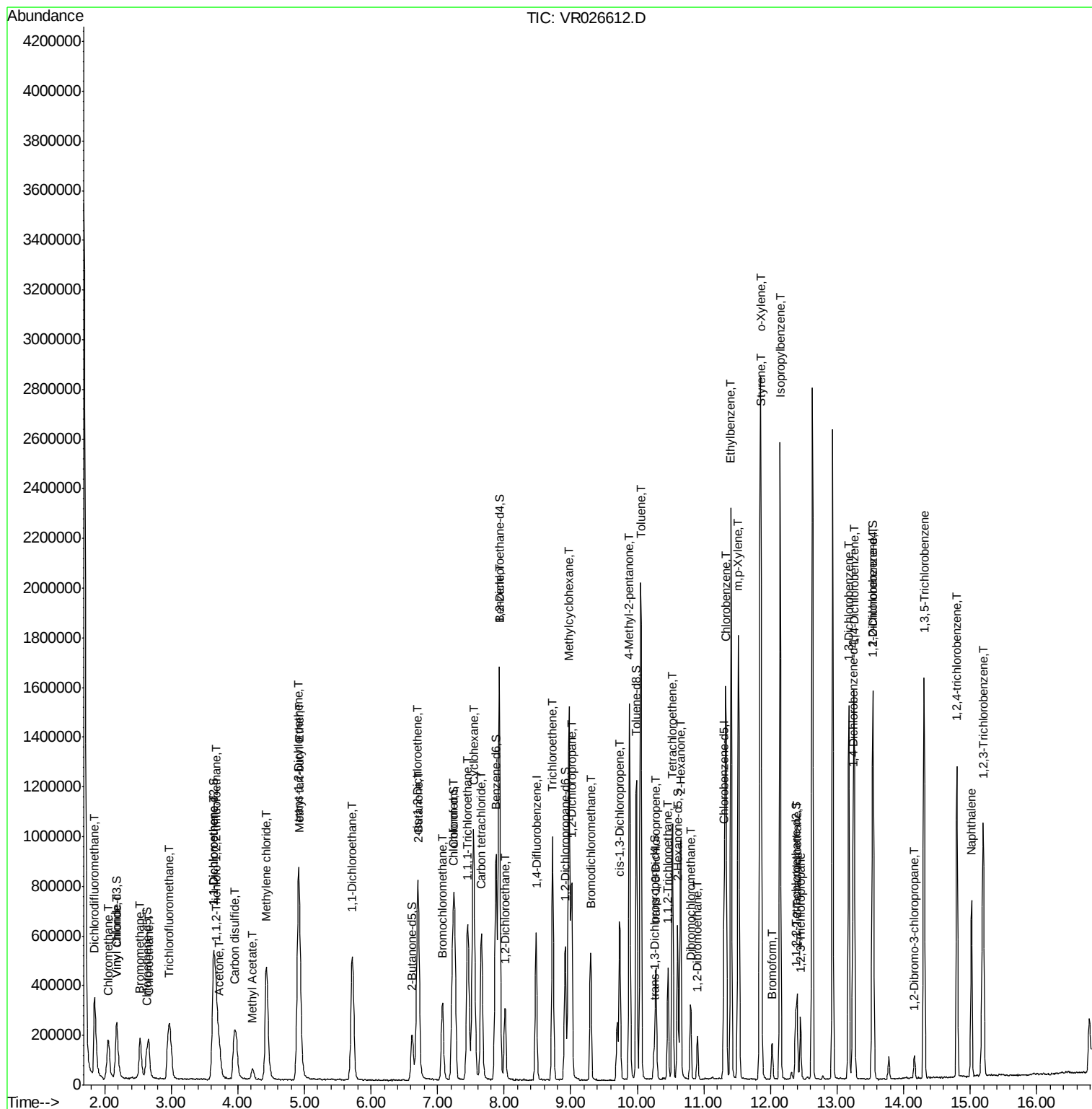
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	1378248	11.229	ug/L	97
44) trans-1,3-Dichloropropene	10.28	75	229459	12.053	ug/L	94
45) 1,1,2-Trichloroethane	10.46	97	130528	11.815	ug/L	94
47) Tetrachloroethene	10.53	164	206207	10.258	ug/L	95
48) 2-Hexanone	10.65	43	577869	126.883	ug/L	98
49) Dibromochloromethane	10.80	129	143076	11.868	ug/L	91
50) 1,2-Dibromoethane	10.90	107	111153	11.053	ug/L #	98
51) Chlorobenzene	11.33	112	728253	11.463	ug/L	98
52) Ethylbenzene	11.41	91	1512476	11.584	ug/L	99
53) m,p-Xylene	11.52	106	551397	11.400	ug/L	97
54) o-Xylene	11.84	106	552512	11.612	ug/L	94
55) Styrene	11.86	104	770023	11.723	ug/L	99
56) Isopropylbenzene	12.14	105	1549465	11.572	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.40	83	150704	12.223	ug/L #	92
59) 1,2,3-Trichloropropane	12.45	75	108408	12.390	ug/L	96
61) Bromoform	12.03	173	60909	11.070	ug/L	97
62) 1,3-Dichlorobenzene	13.18	146	518642	11.224	ug/L	100
63) 1,4-Dichlorobenzene	13.26	146	484700	11.034	ug/L	95
65) 1,2-Dichlorobenzene	13.55	146	435046	11.356	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	24570	6.887	ug/L	89
67) 1,3,5-Trichlorobenzene	14.31	180	429380	10.359	ug/L	98
68) 1,2,4-trichlorobenzene	14.80	180	323405	10.476	ug/L	97
69) Naphthalene	15.02	128	492605	10.521	ug/L	98
70) 1,2,3-Trichlorobenzene	15.20	180	265636	10.306	ug/L	99

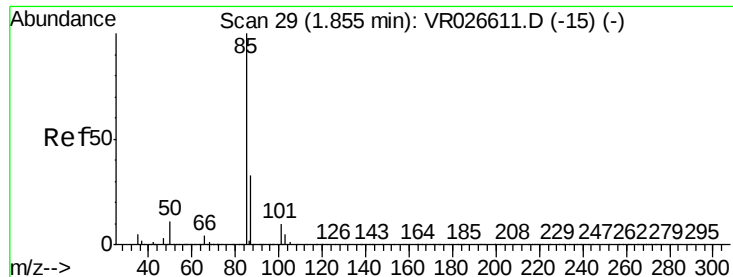
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 13.750 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

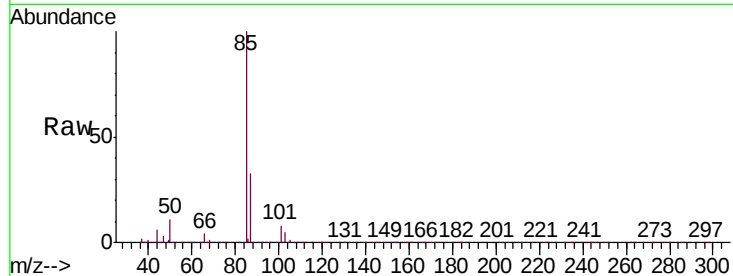
VSTD01065

Tgt Ion: 85 Resp: 475112

Ion Ratio Lower Upper

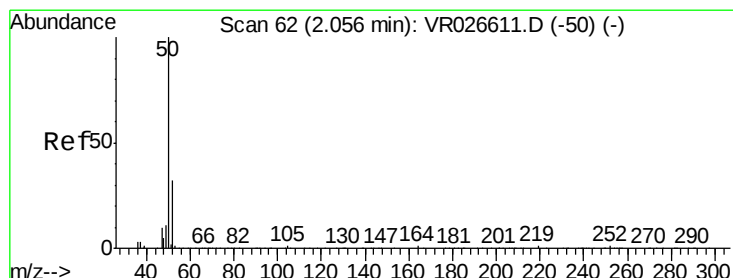
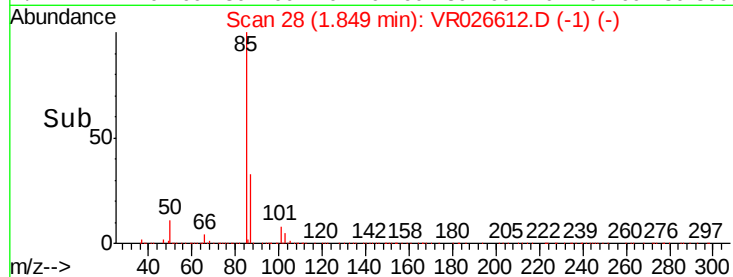
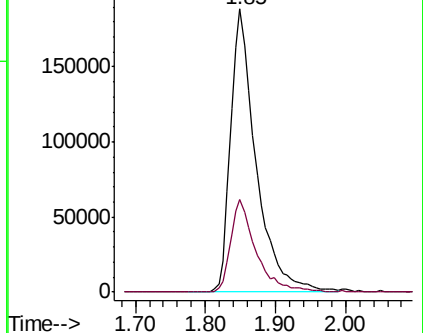
85 100

87 32.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 11.759 ug/L

RT: 2.05 min Scan# 61

Delta R.T. -0.01 min

Lab File: VR026612.D

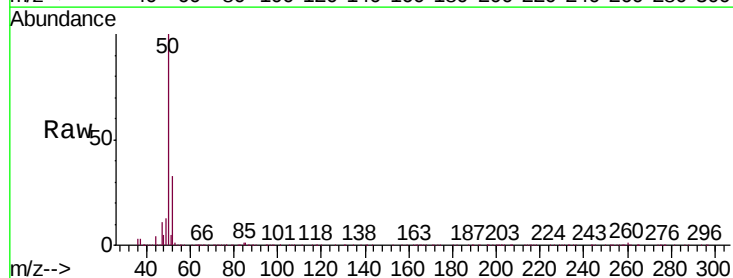
Acq: 10 Sep 2019 17:13

Tgt Ion: 50 Resp: 272007

Ion Ratio Lower Upper

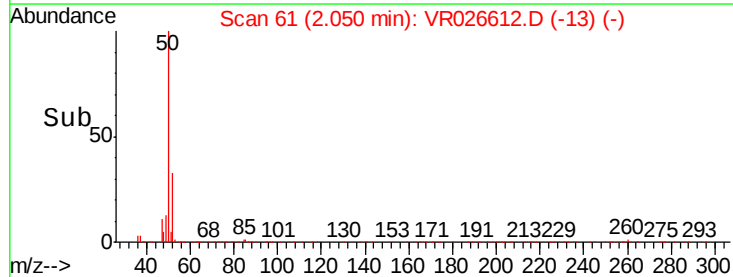
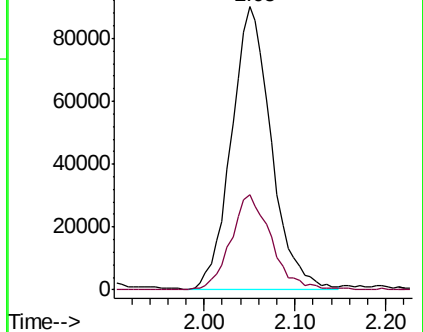
50 100

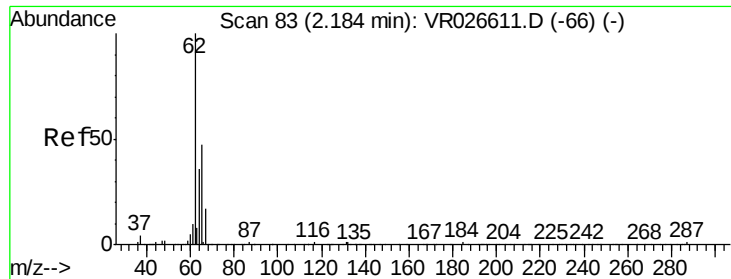
52 33.4 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 12.162 ug/L

RT: 2.18 min Scan# 83

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

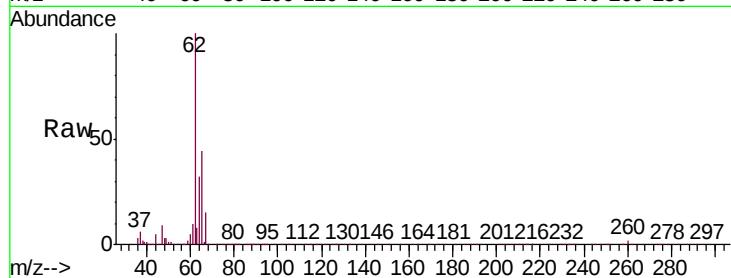
VSTD01065

Tgt Ion: 62 Resp: 261239

Ion Ratio Lower Upper

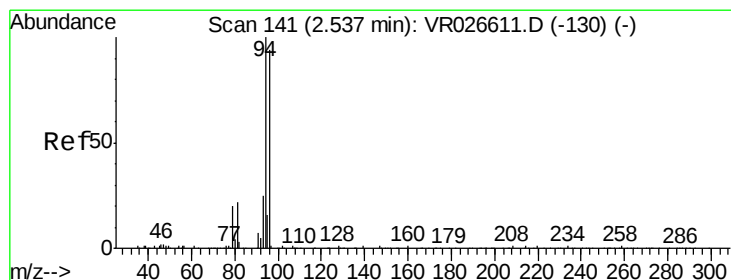
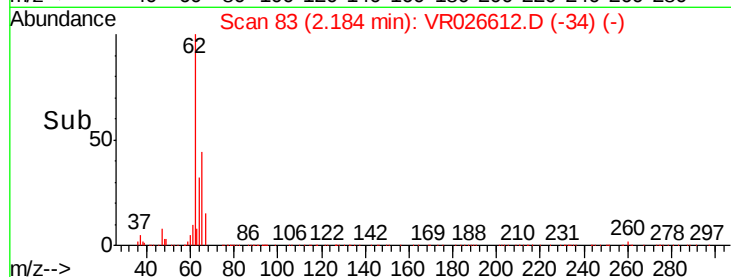
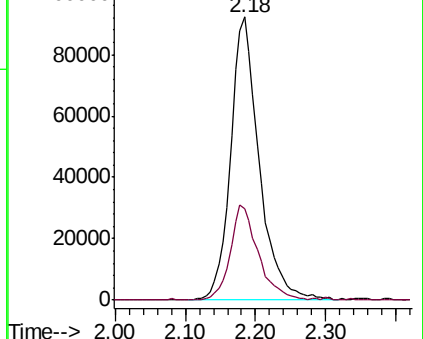
62 100

64 32.1 25.4 47.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 11.206 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.00 min

Lab File: VR026612.D

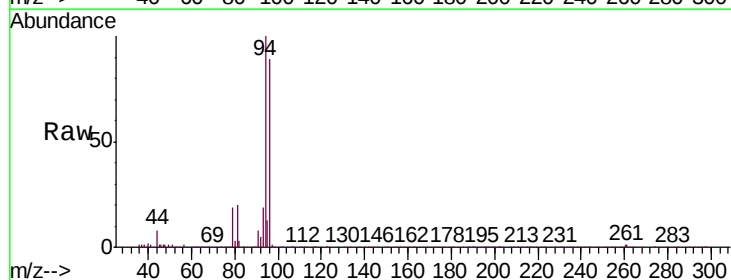
Acq: 10 Sep 2019 17:13

Tgt Ion: 94 Resp: 149499

Ion Ratio Lower Upper

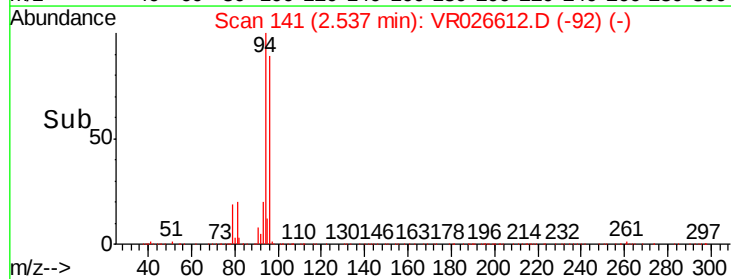
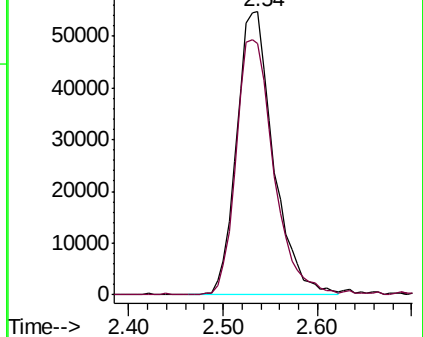
94 100

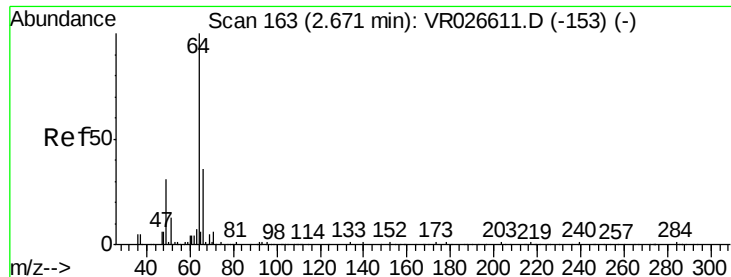
96 88.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 11.974 ug/L

RT: 2.66 min Scan# 162

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

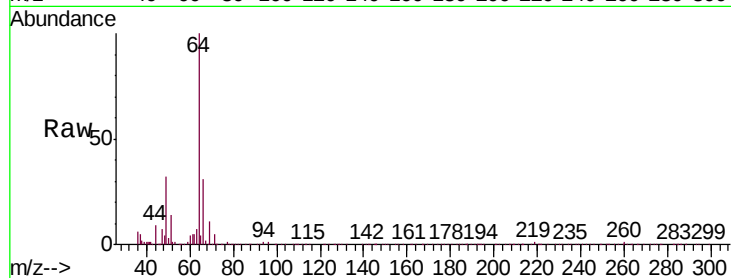
VSTD01065

Tgt Ion: 64 Resp: 145420

Ion Ratio Lower Upper

64 100

66 30.8 25.1 46.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

60000

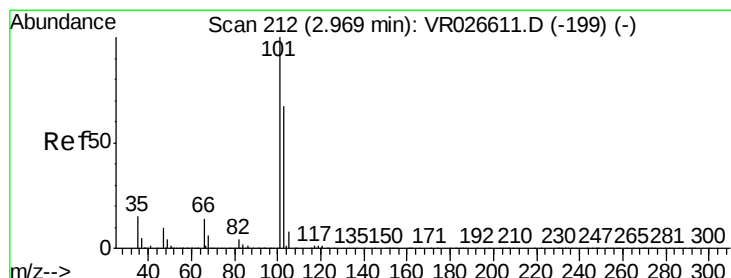
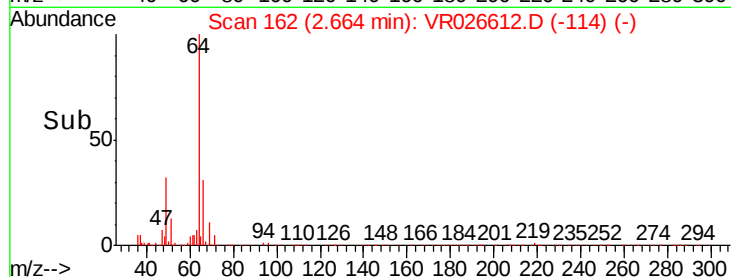
40000

20000

0

Time-->

2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 12.198 ug/L

RT: 2.97 min Scan# 212

Delta R.T. -0.00 min

Lab File: VR026612.D

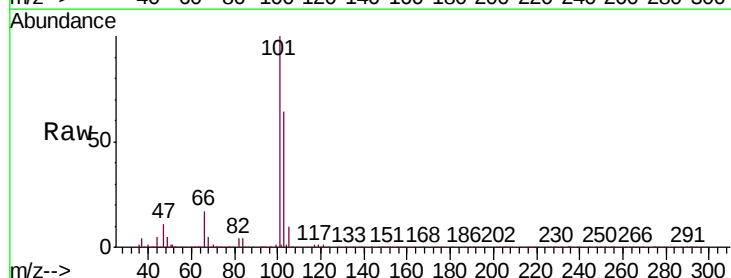
Acq: 10 Sep 2019 17:13

Tgt Ion: 101 Resp: 385029

Ion Ratio Lower Upper

101 100

103 64.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.97

100000

80000

60000

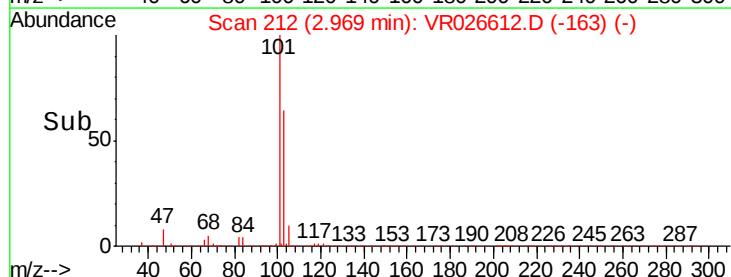
40000

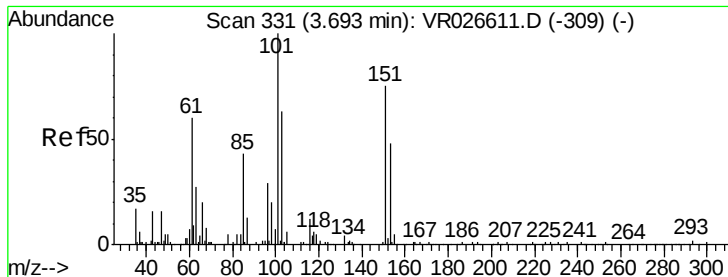
20000

0

Time-->

2.80 2.90 3.00 3.10





#10

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

Concen: 11.889 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD01065

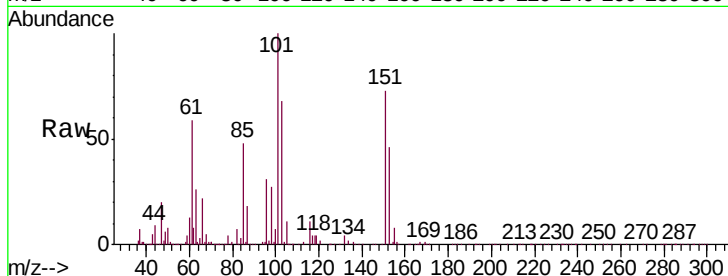
Tgt Ion:101 Resp: 181144

Ion Ratio Lower Upper

101 100

85 47.5 40.6 61.0

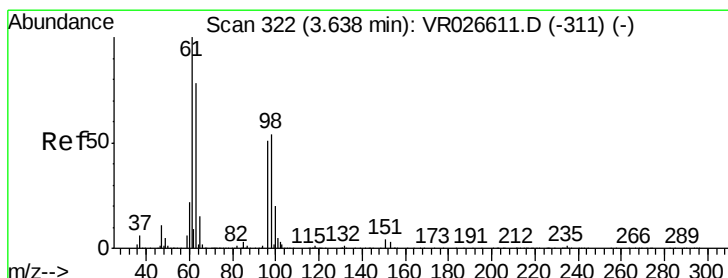
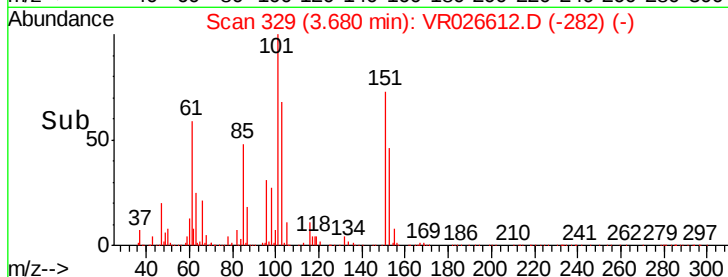
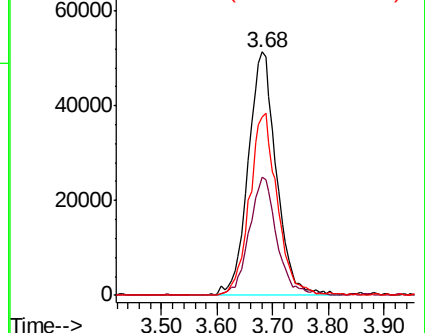
151 73.4 58.6 87.8



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: 11.549 ug/L

RT: 3.64 min Scan# 322

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

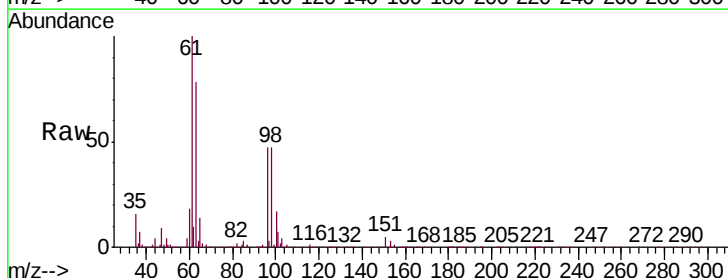
Tgt Ion: 96 Resp: 179885

Ion Ratio Lower Upper

96 100

61 211.9 137.8 255.8

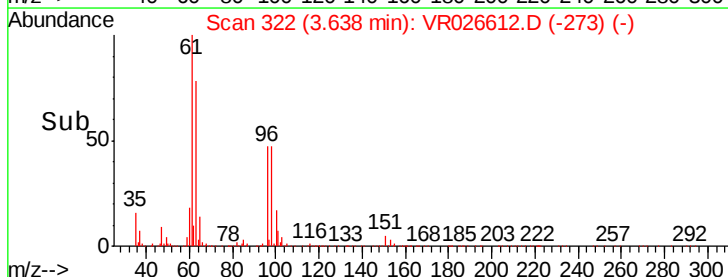
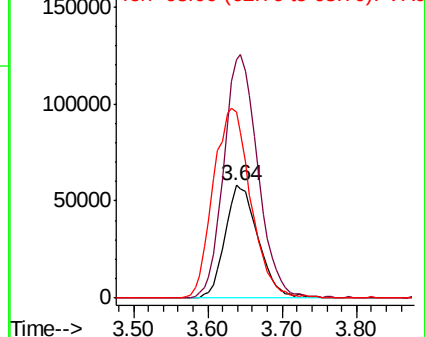
63 165.4 108.6 201.8

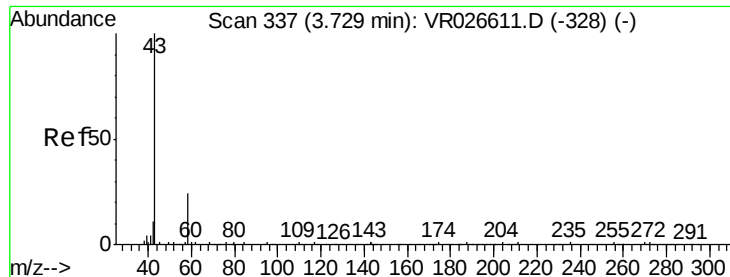


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

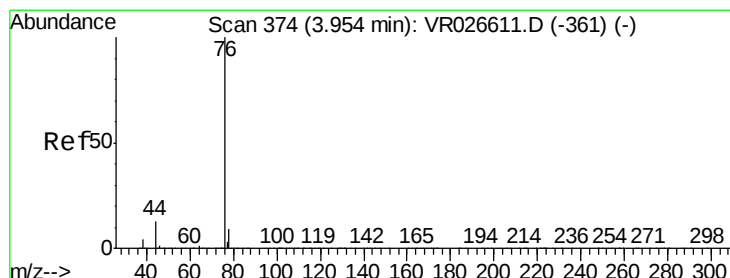
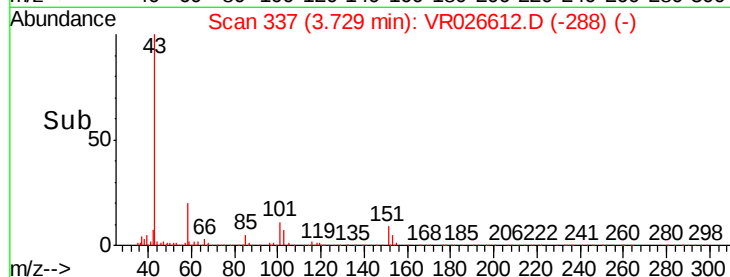
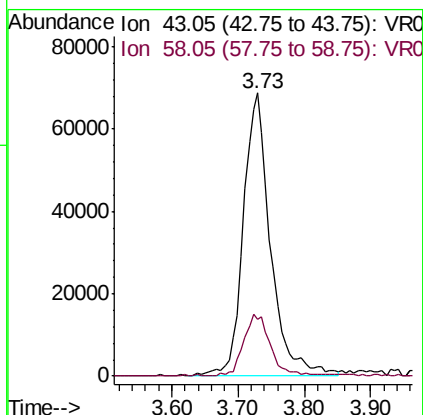
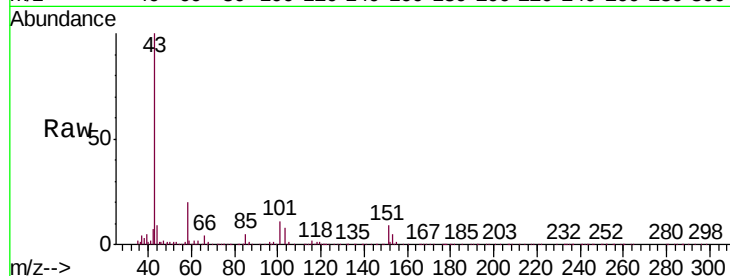




#13
Acetone
Concen: 133.923 ug/L
RT: 3.73 min Scan# 337
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

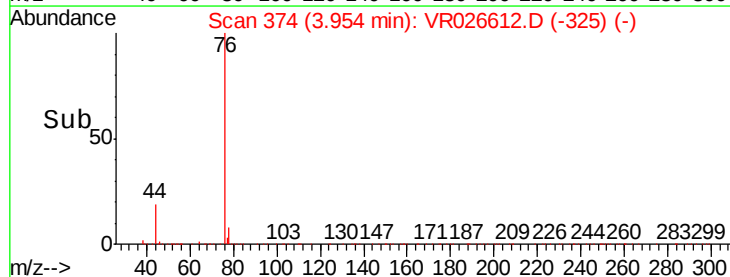
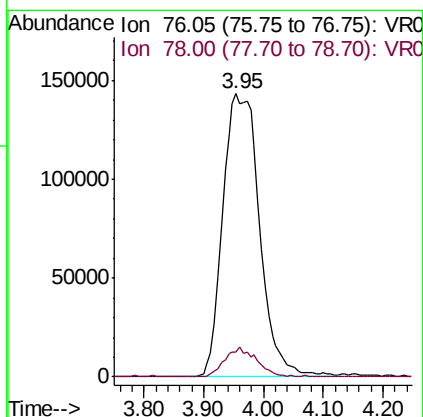
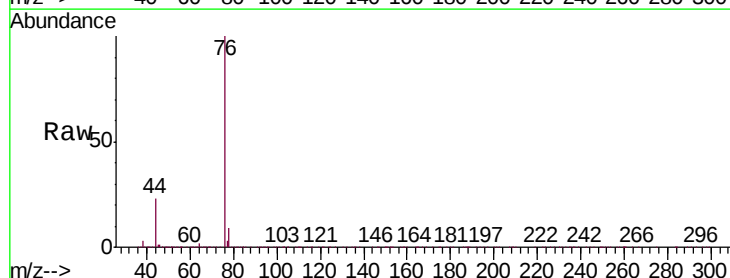
Instrument :
MSVOA_R
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VSTD01065

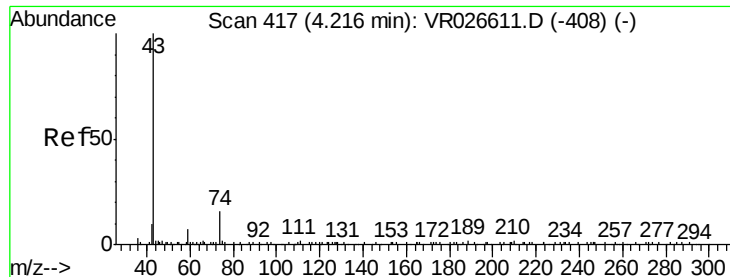
Tgt Ion: 43 Resp: 193588
Ion Ratio Lower Upper
43 100
58 22.1 0.0 46.2



#14
Carbon disulfide
Concen: 6.756 ug/L
RT: 3.95 min Scan# 374
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion: 76 Resp: 614059
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

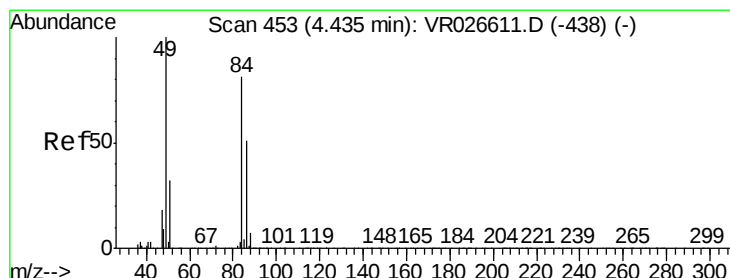
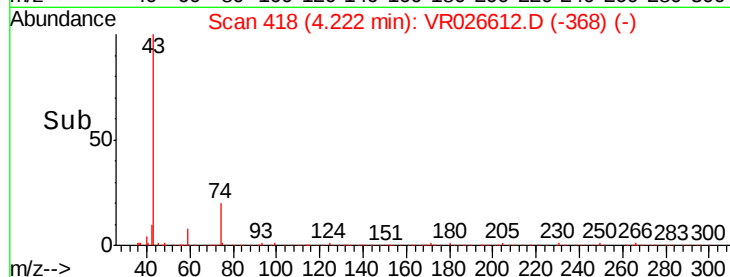
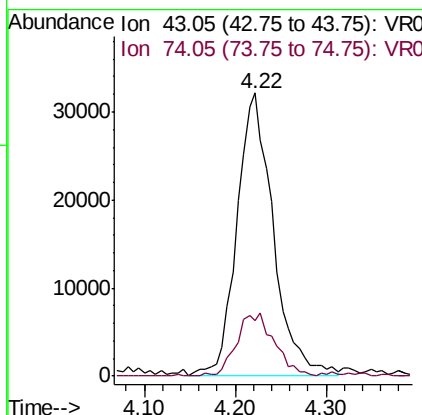
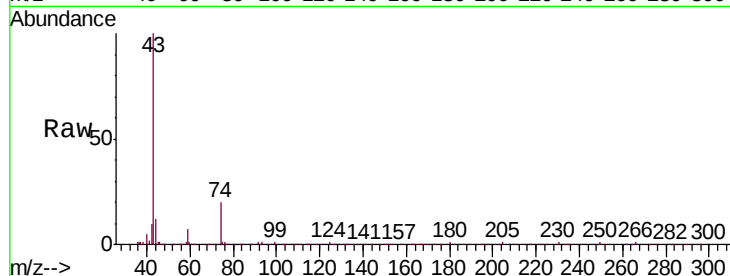




#15
Methyl Acetate
Concen: 13.107 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.01 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

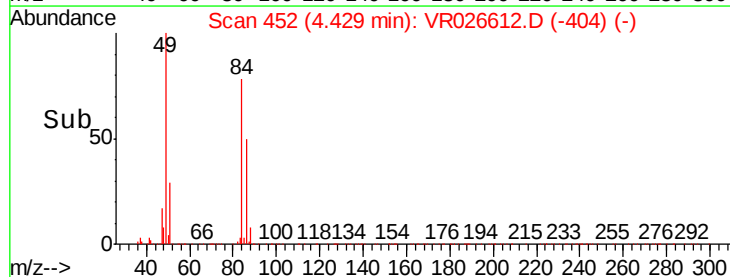
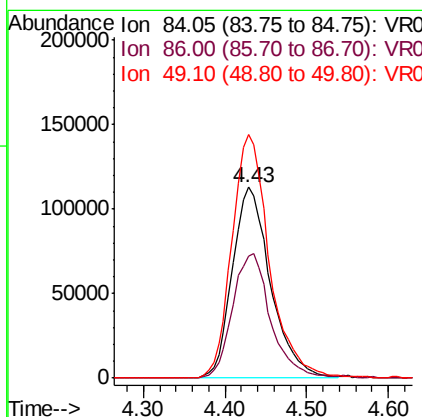
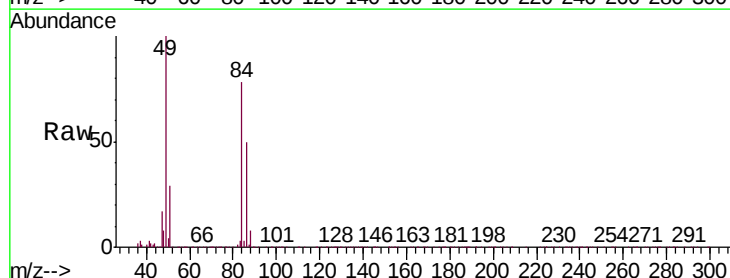
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

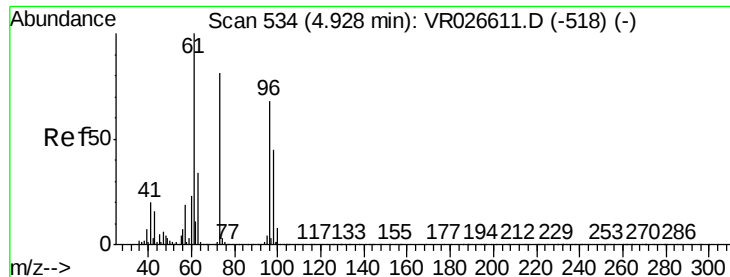
Tgt Ion: 43 Resp: 89497
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



#16
Methylene chloride
Concen: 11.227 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.01 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion: 84 Resp: 367334
Ion Ratio Lower Upper
84 100
86 64.3 43.6 81.0
49 127.8 85.9 159.5





#17

Methyl tert-butyl Ether

Concen: 13.644 ug/L

RT: 4.93 min Scan# 534

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD01065

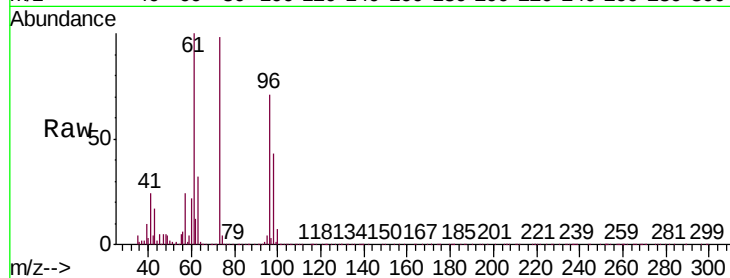
Tgt Ion: 73 Resp: 514728

Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.2

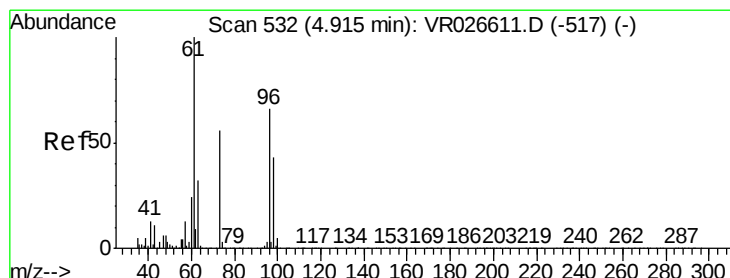
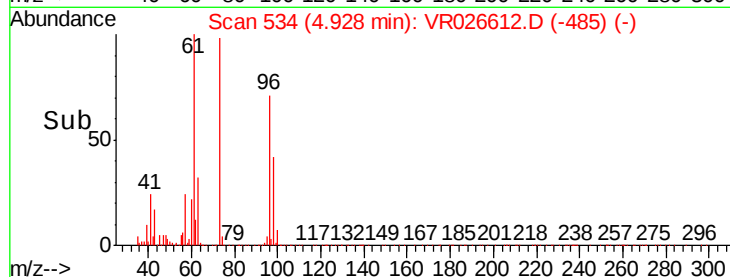
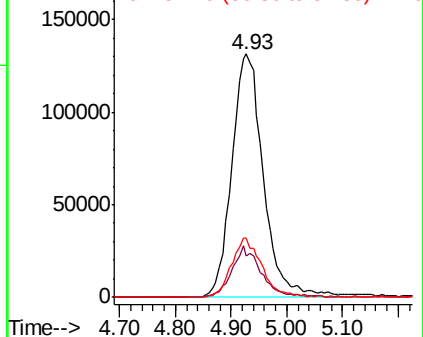
57 23.2 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 11.685 ug/L

RT: 4.91 min Scan# 531

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

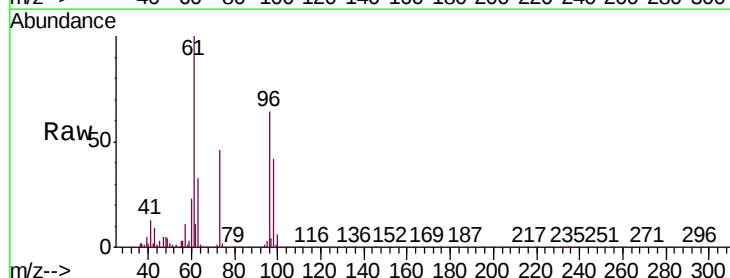
Tgt Ion: 96 Resp: 405269

Ion Ratio Lower Upper

96 100

61 156.0 106.7 198.1

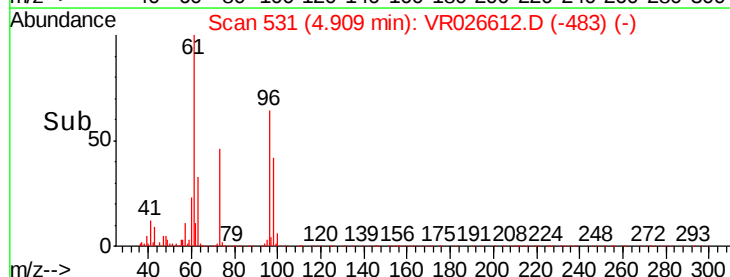
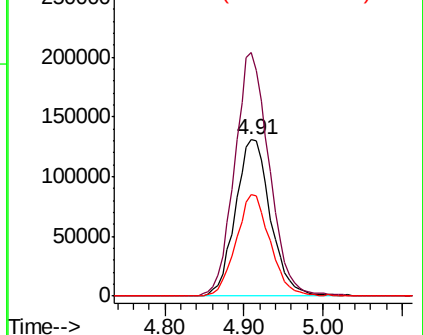
98 65.4 45.4 84.4

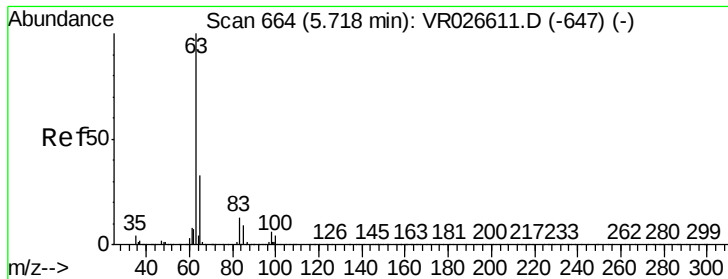


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

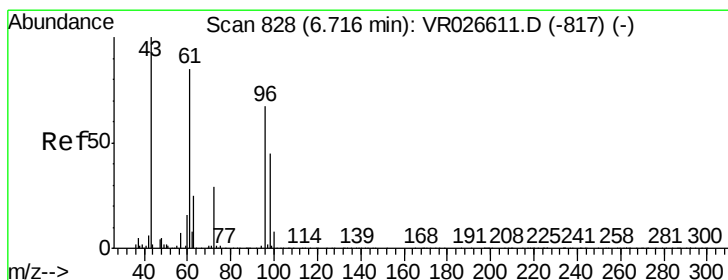
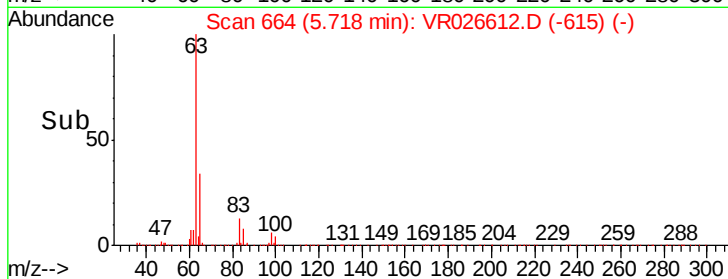
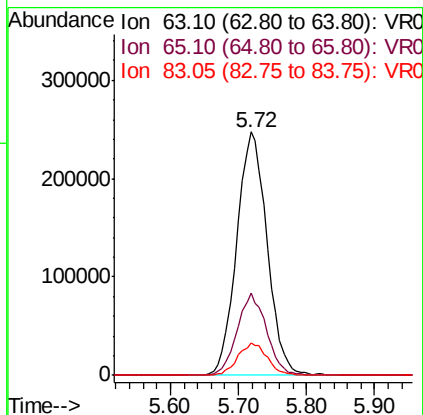
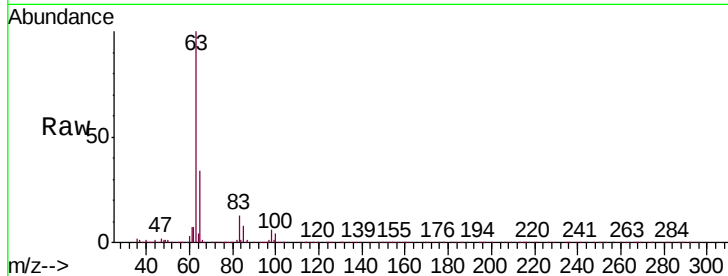




#19
 1,1-Dichloroethane
 Concen: 12.664 ug/L
 RT: 5.72 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

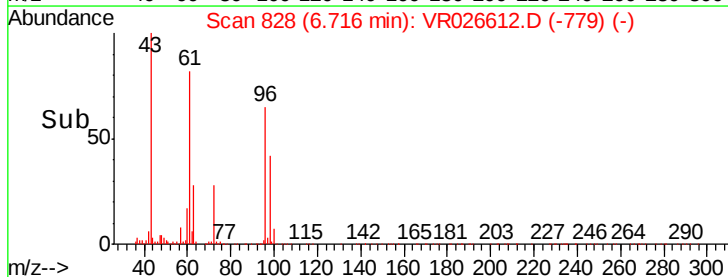
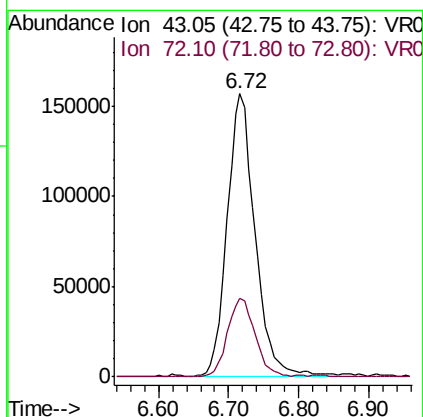
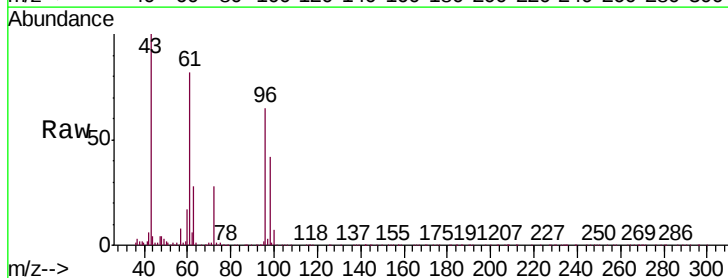
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

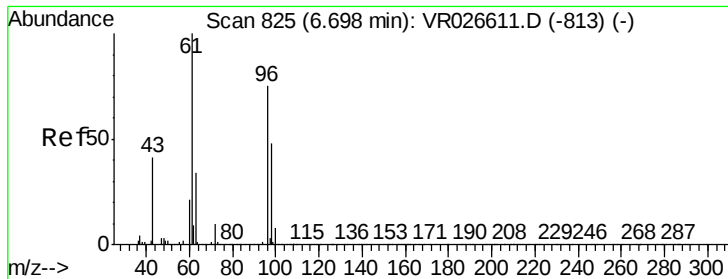
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.6	23.2	43.0
83	13.4	9.5	17.7



#21
 2-Butanone
 Concen: 132.496 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	14.2	42.6



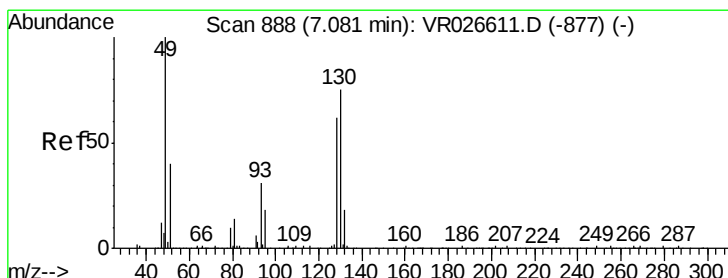
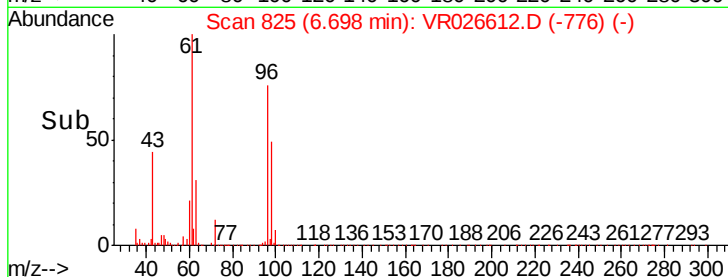
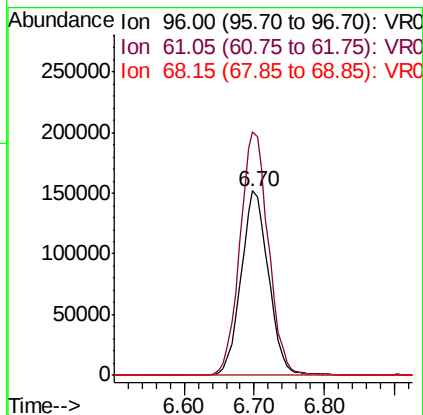
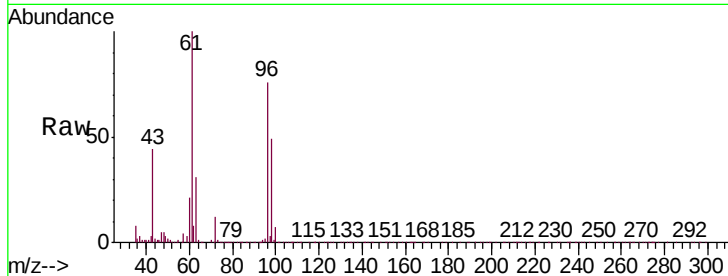


#22

cis-1,2-Dichloroethene
 Concen: 12.370 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD01065

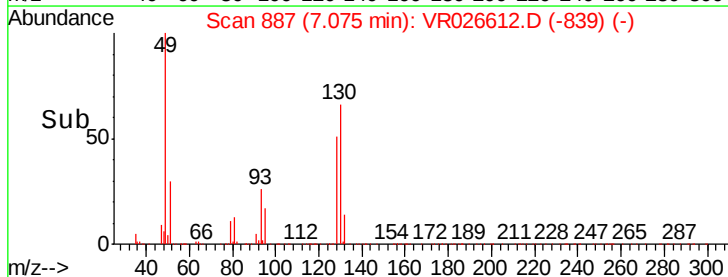
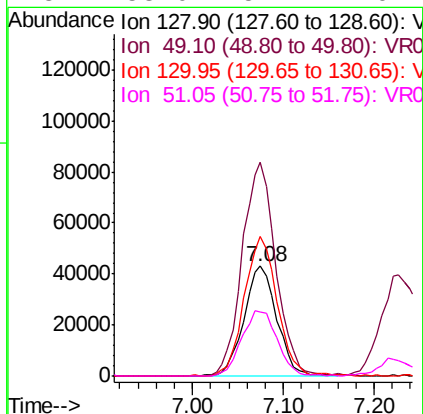
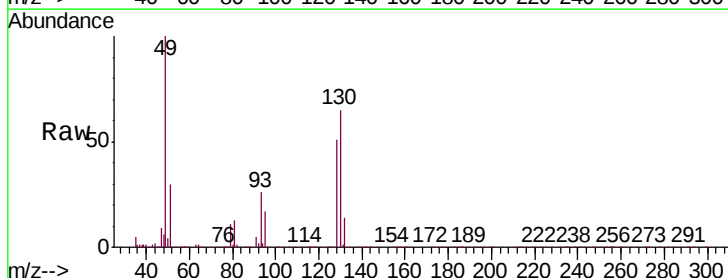
Tgt Ion: 96 Resp: 412918
 Ion Ratio Lower Upper
 96 100
 61 132.2 94.0 174.6
 68 0.0 0.1 0.1#

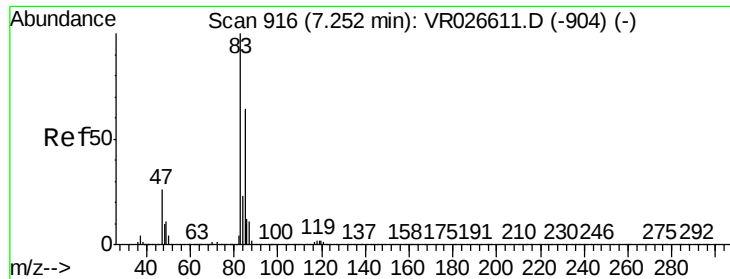


#23

Bromochloromethane
 Concen: 11.501 ug/L
 RT: 7.08 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion: 128 Resp: 107780
 Ion Ratio Lower Upper
 128 100
 49 194.7 113.2 210.2
 130 127.5 84.1 156.1
 51 58.0 51.1 76.7

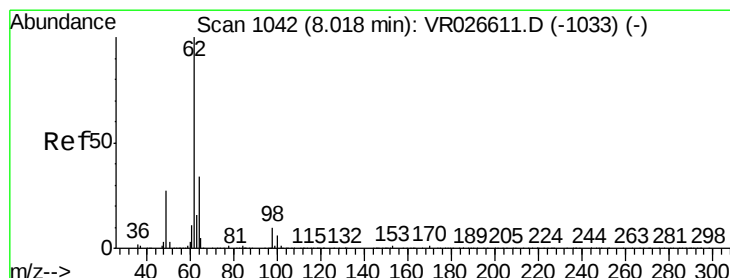
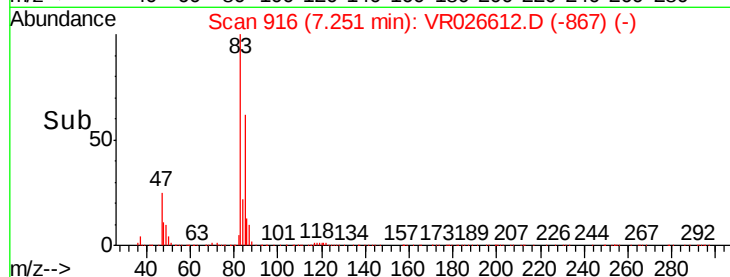
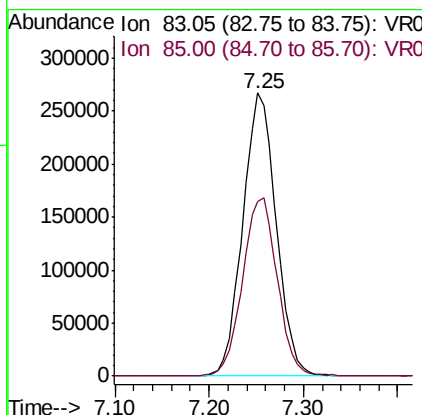
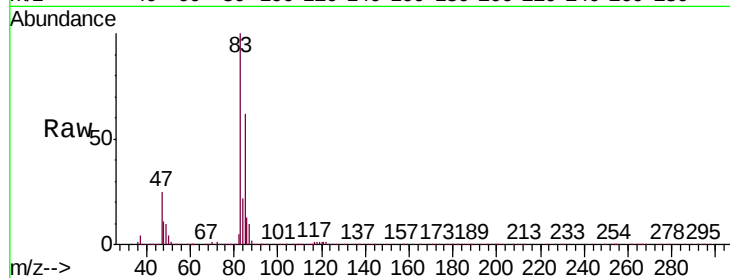




#25
Chloroform
Concen: 11.865 ug/L
RT: 7.25 min Scan# 916
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

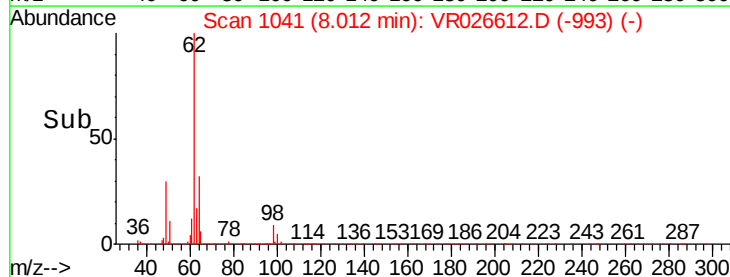
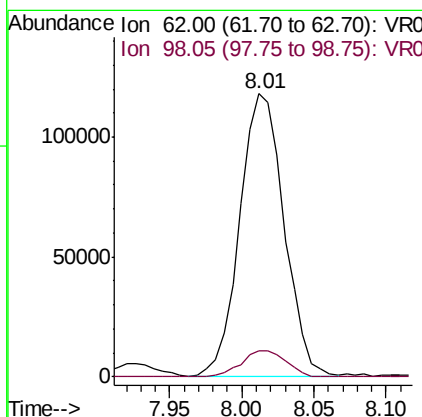
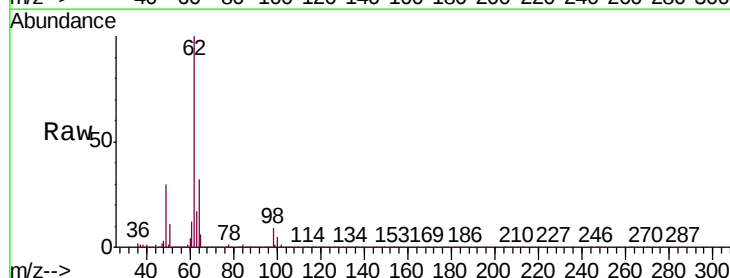
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

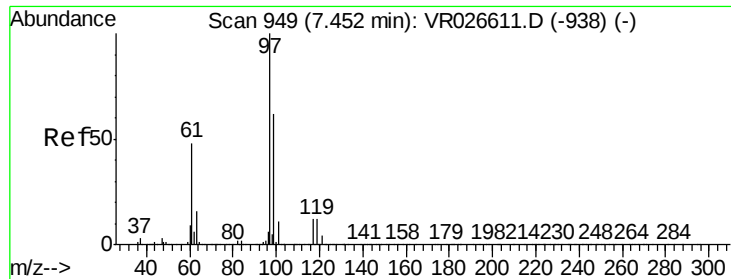
Tgt Ion: 83 Resp: 663994
Ion Ratio Lower Upper
83 100
85 61.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 12.901 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion: 62 Resp: 250663
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.8

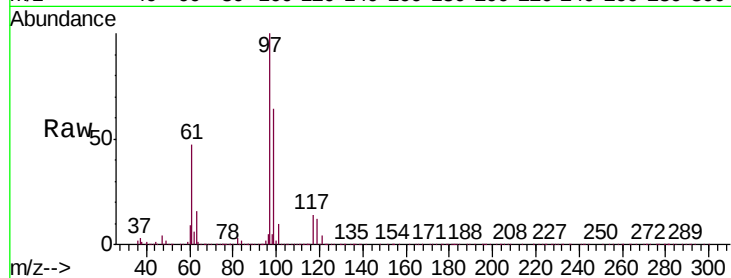




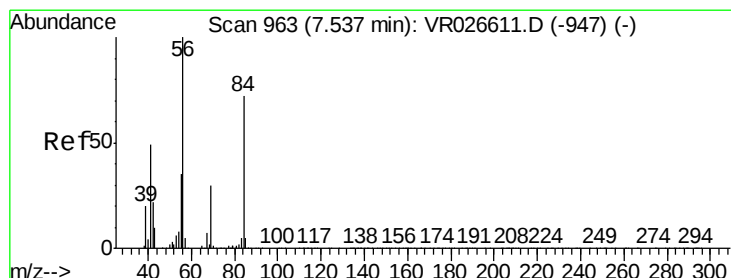
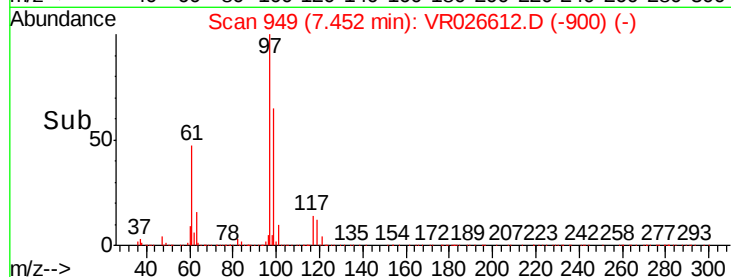
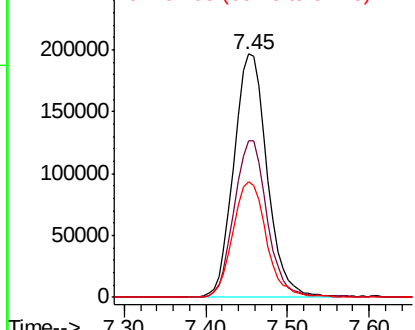
#29
 1,1,1-Trichloroethane
 Concen: 12.518 ug/L
 RT: 7.45 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	48.0	39.2	58.8

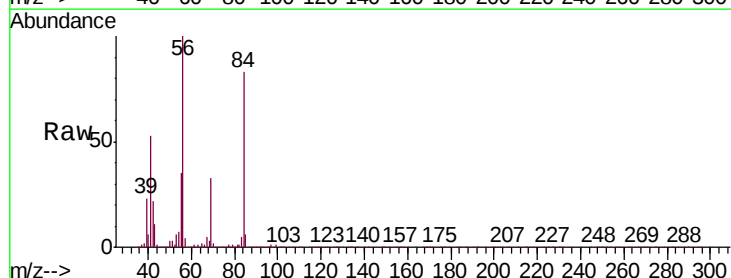


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

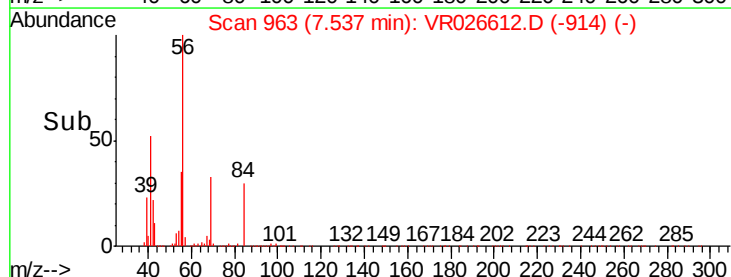
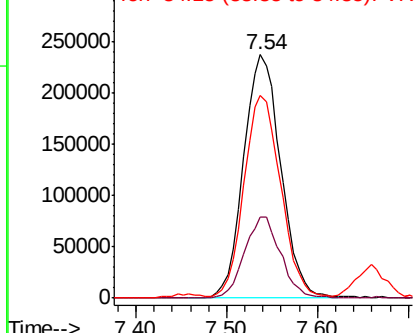


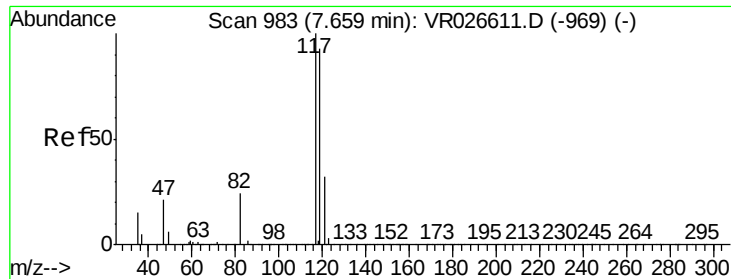
#30
 Cyclohexane
 Concen: 10.501 ug/L
 RT: 7.54 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.0	37.4
84	82.7	63.6	95.4



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

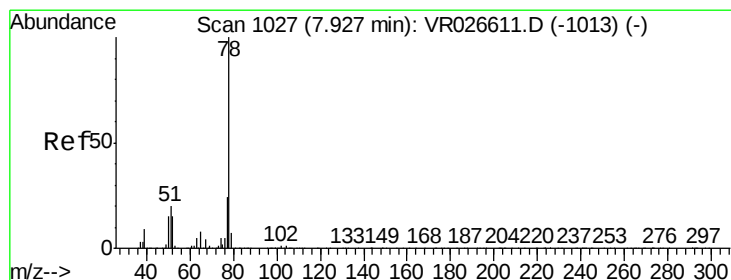
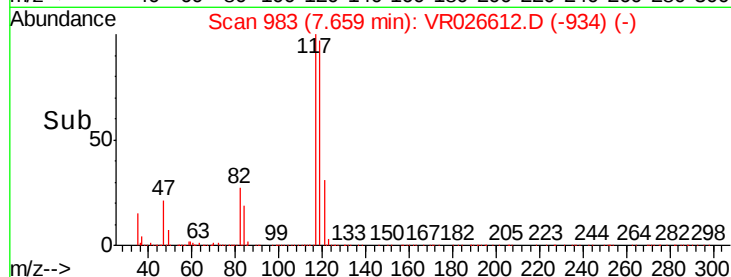
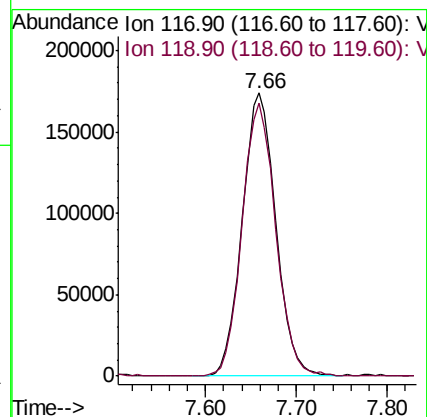
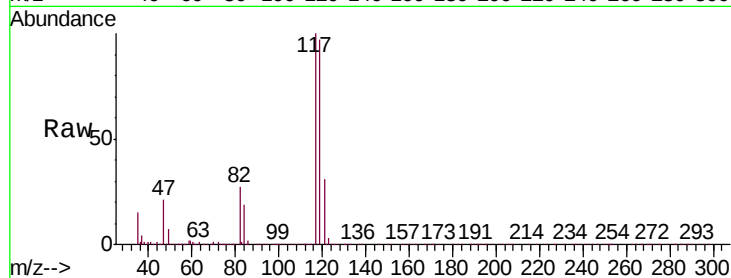




#31
Carbon tetrachloride
Concen: 11.459 ug/L
RT: 7.66 min Scan# 983
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

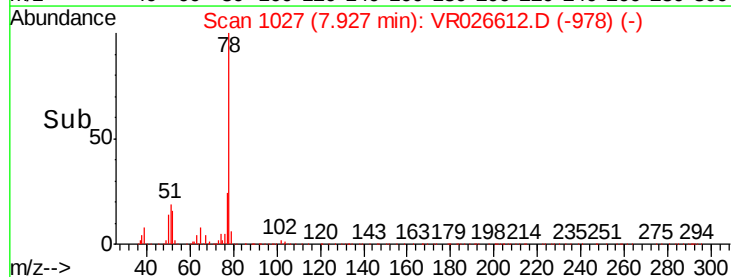
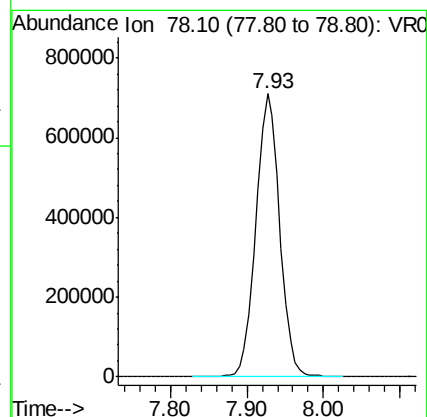
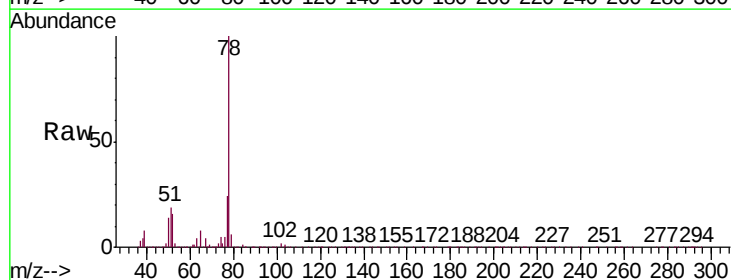
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

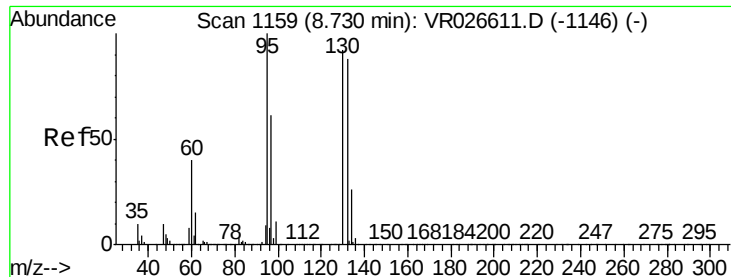
Tgt Ion:117 Resp: 444815
Ion Ratio Lower Upper
117 100
119 97.2 76.7 115.1



#33
Benzene
Concen: 11.229 ug/L
RT: 7.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion: 78 Resp: 1540466

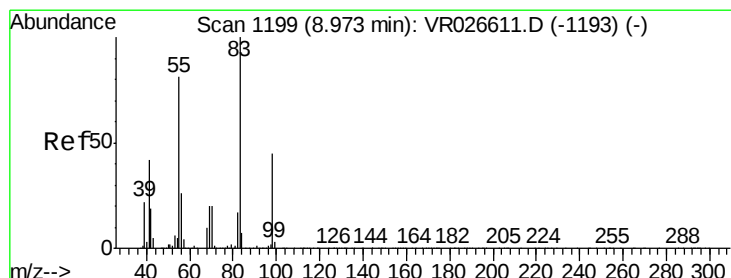
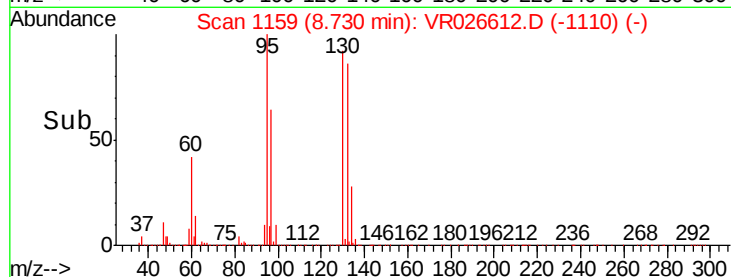
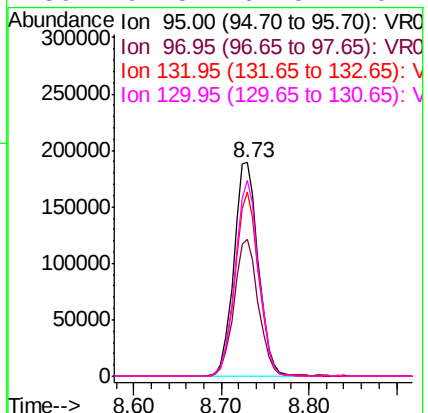
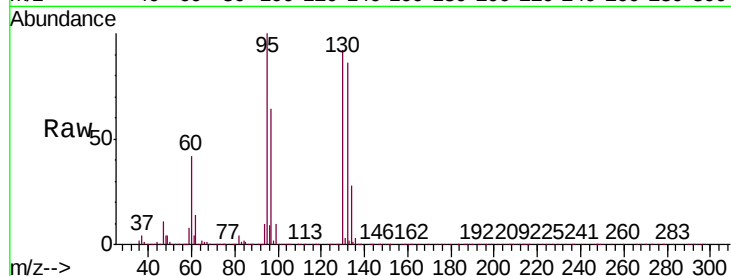




#34
 Trichloroethene
 Concen: 11.050 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

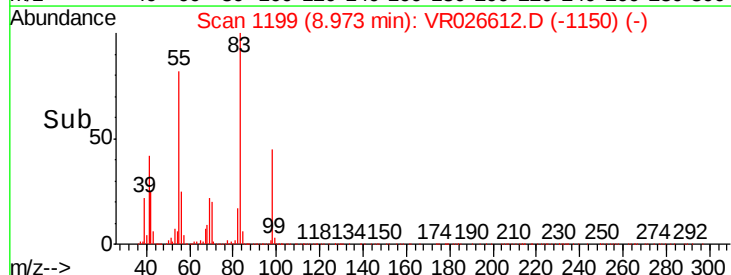
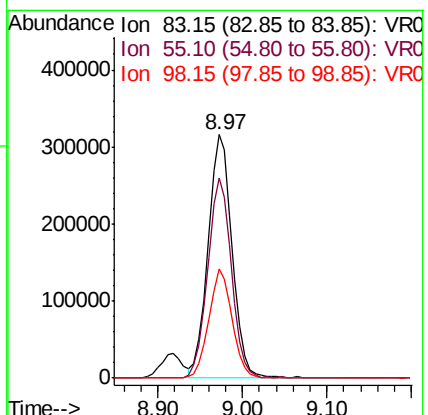
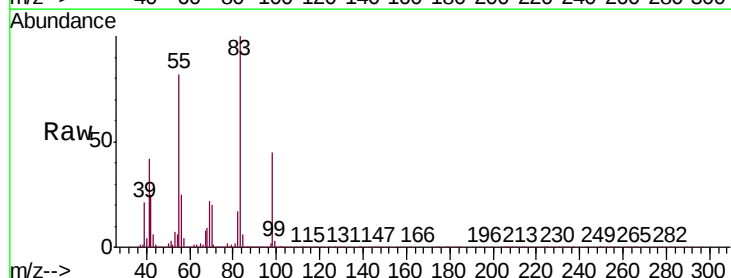
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

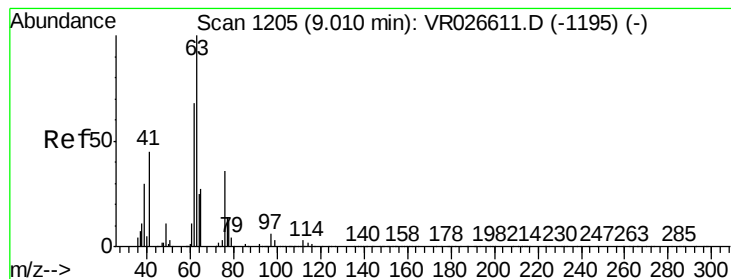
Tgt Ion:	95	Resp:	368544
Ion	Ratio	Lower	Upper
95	100		
97	63.8	42.8	79.4
132	86.4	61.5	114.1
130	91.8	64.5	119.7



#35
 Methylcyclohexane
 Concen: 10.753 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion:	83	Resp:	622251
Ion	Ratio	Lower	Upper
83	100		
55	81.7	65.0	97.6
98	43.3	35.8	53.8





#37

1,2-Dichloropropane

Concen: 11.476 ug/L

RT: 9.02 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

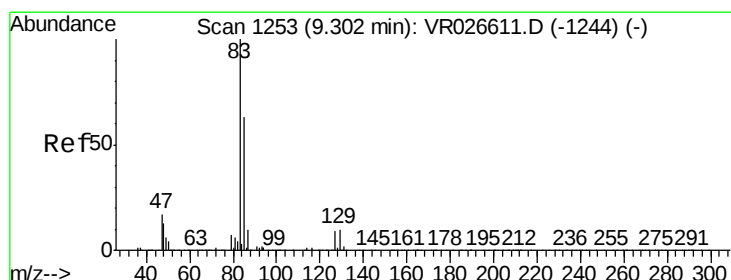
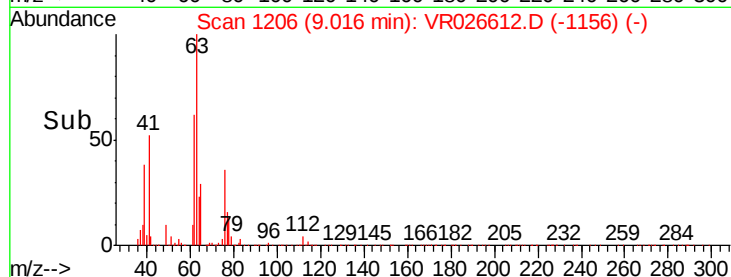
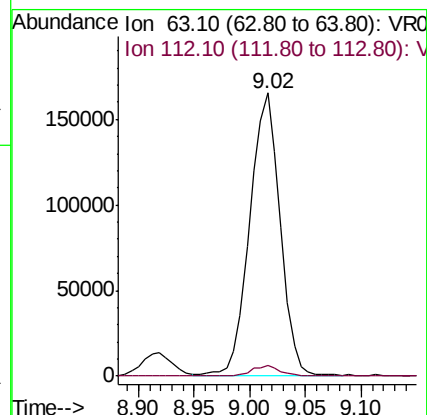
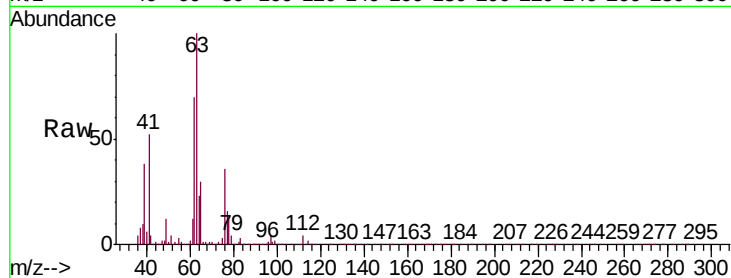
VSTD01065

Tgt Ion: 63 Resp: 312139

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



#38

Bromodichloromethane

Concen: 12.304 ug/L

RT: 9.30 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

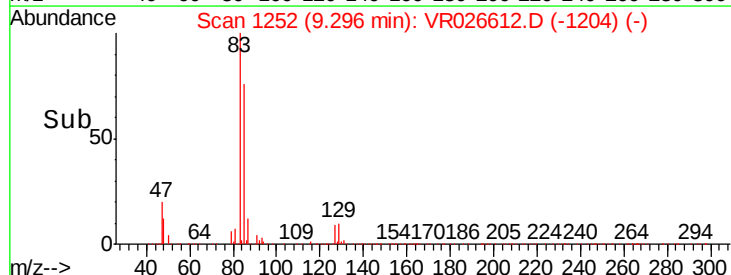
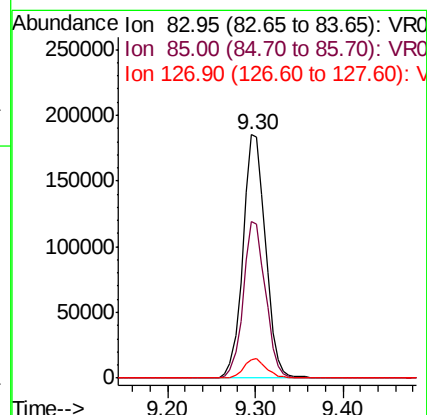
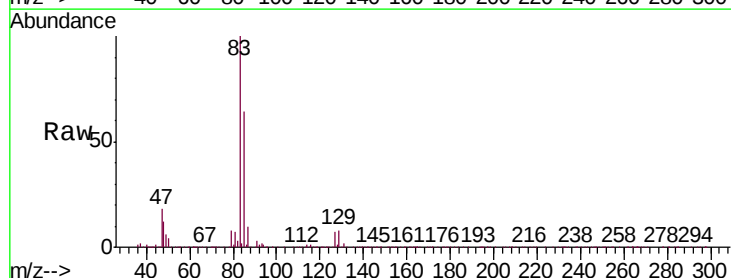
Tgt Ion: 83 Resp: 331797

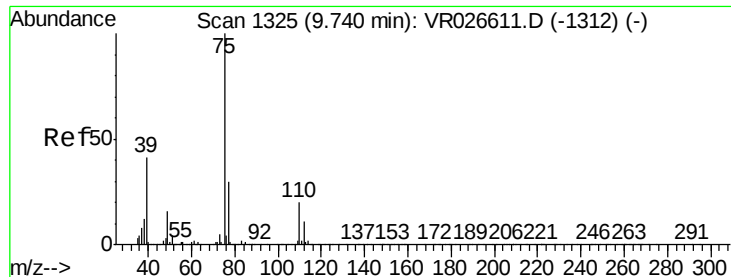
Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.6

127 7.3 6.9 10.3

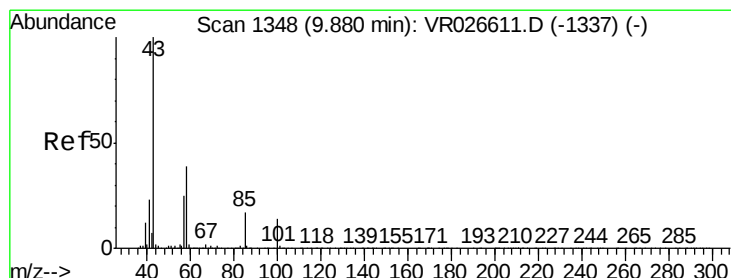
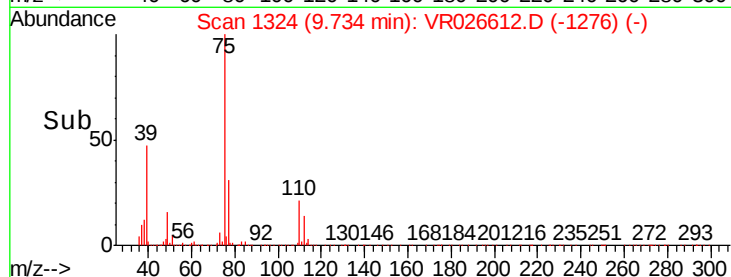
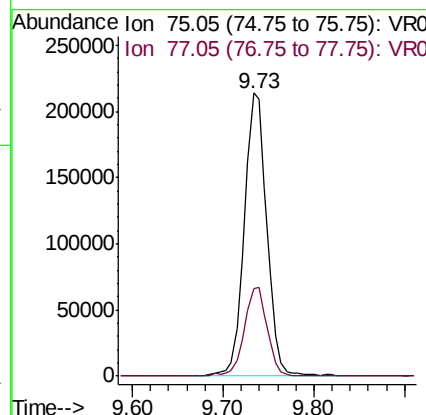
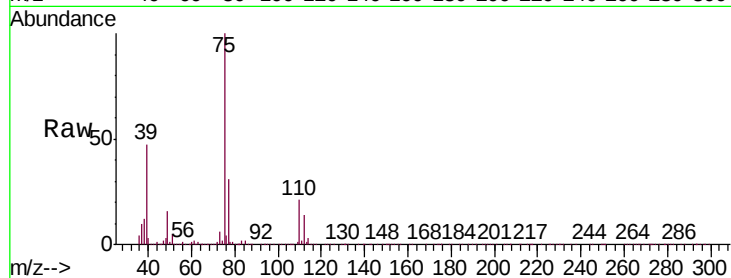




#39
 cis-1,3-Dichloropropene
 Concen: 12.203 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

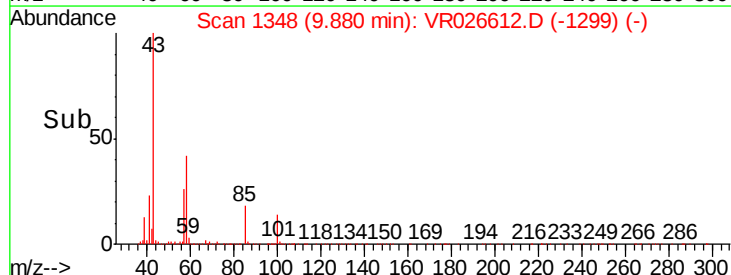
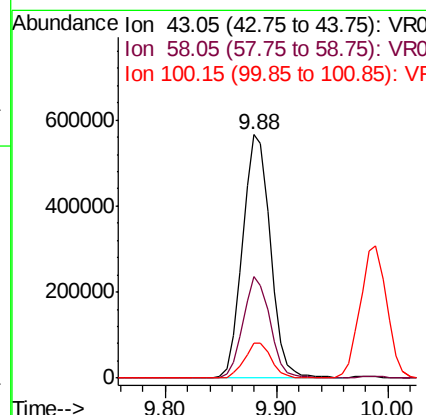
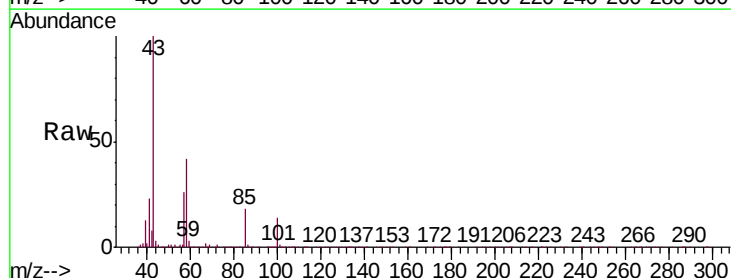
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

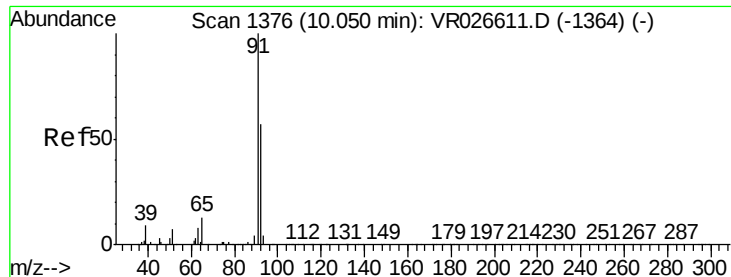
Tgt Ion: 75 Resp: 368089
 Ion Ratio Lower Upper
 75 100
 77 30.9 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 126.521 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion: 43 Resp: 976484
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.6 47.4
 100 14.1 11.4 17.0





#42

Toluene

Concen: 11.229 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

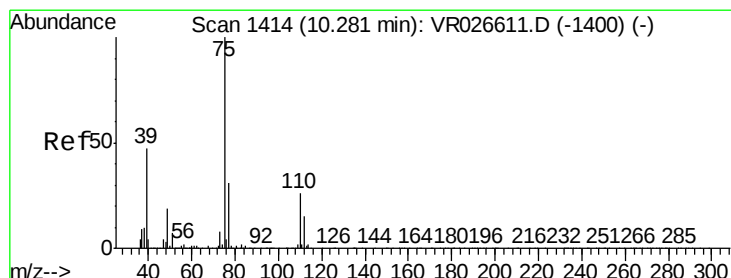
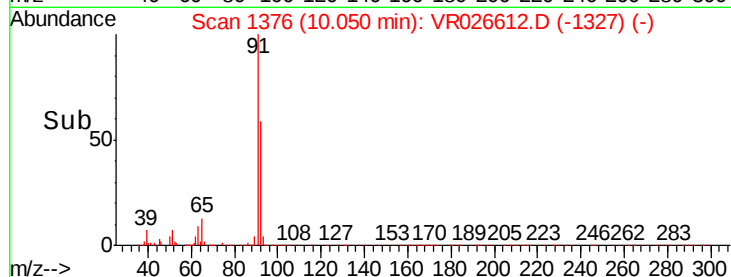
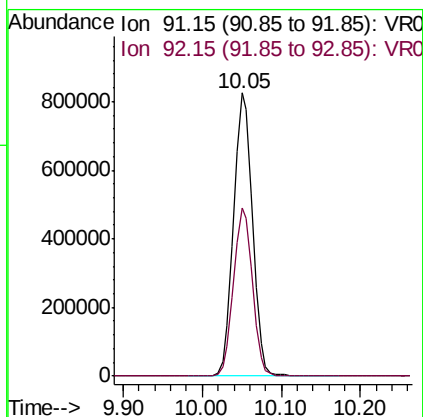
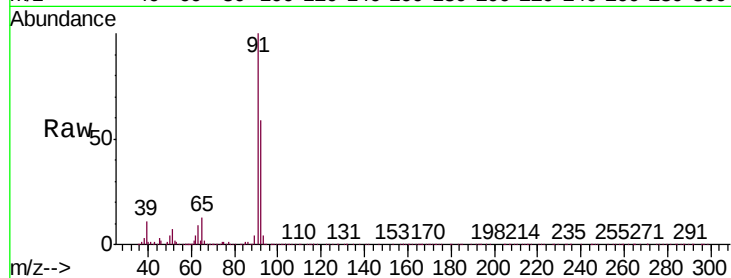
VSTD01065

Tgt Ion: 91 Resp: 1378248

Ion Ratio Lower Upper

91 100

92 59.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 12.053 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026612.D

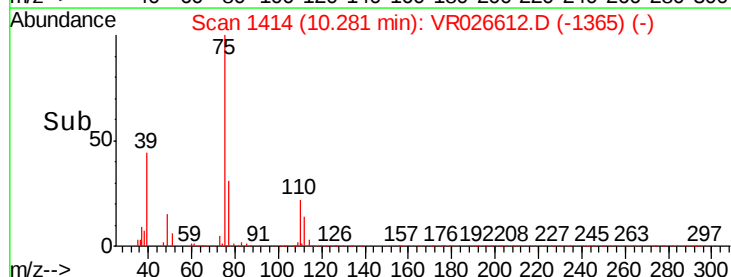
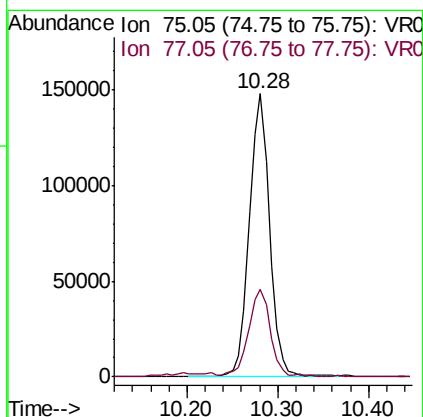
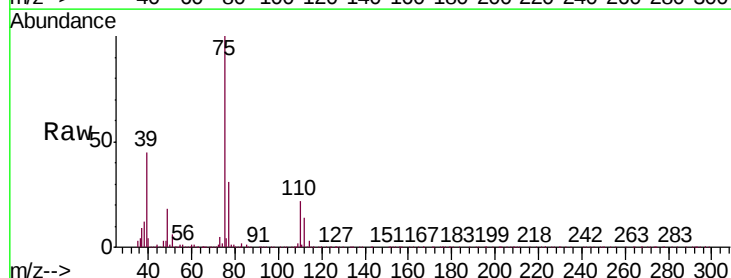
Acq: 10 Sep 2019 17:13

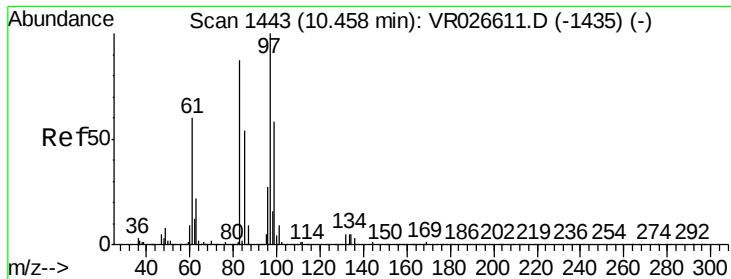
Tgt Ion: 75 Resp: 229459

Ion Ratio Lower Upper

75 100

77 31.1 24.3 45.1

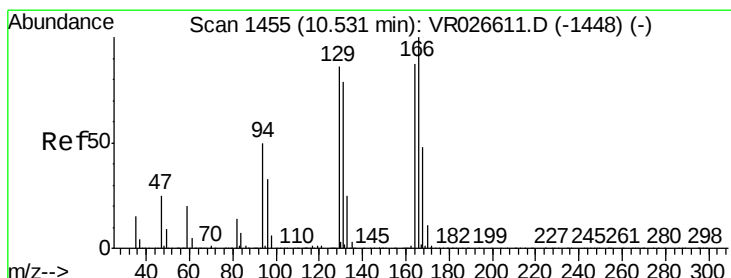
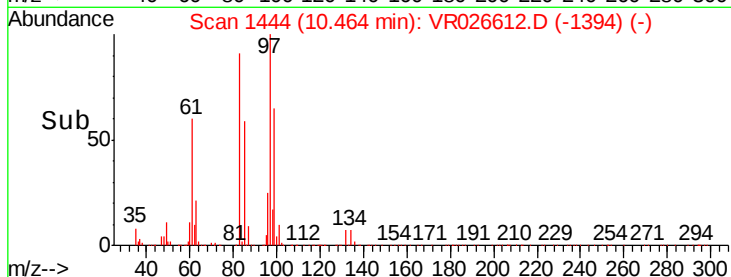
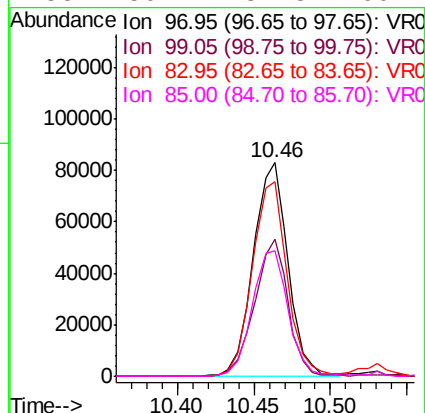
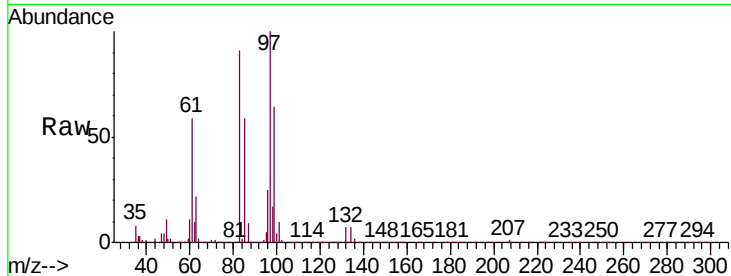




#45
1,1,2-Trichloroethane
Concen: 11.815 ug/L
RT: 10.46 min Scan# 1444
Delta R.T. 0.01 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

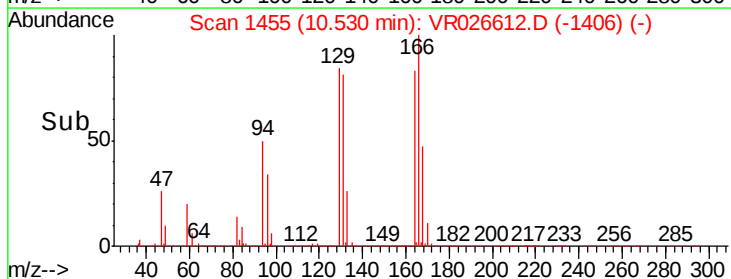
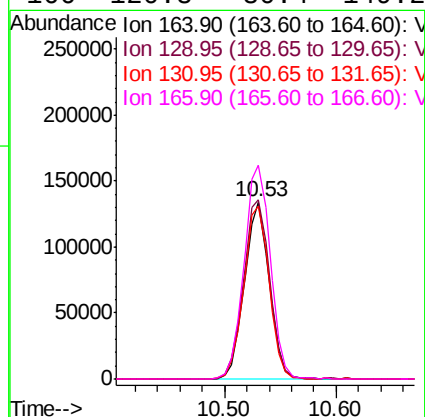
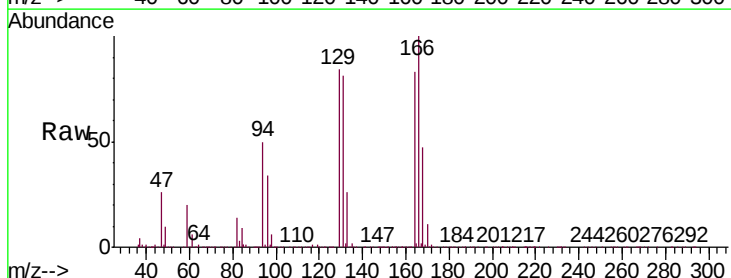
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

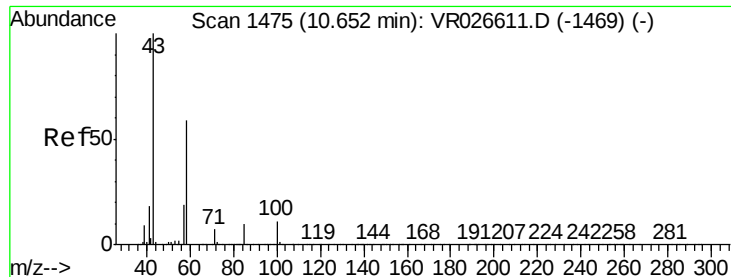
Tgt Ion:	97	Resp:	130528
Ion	Ratio	Lower	Upper
97	100		
99	64.4	40.4	75.0
83	90.8	61.2	113.8
85	59.2	37.5	69.7



#47
Tetrachloroethene
Concen: 10.258 ug/L
RT: 10.53 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion:	164	Resp:	206207
Ion	Ratio	Lower	Upper
164	100		
129	101.1	69.4	128.8
131	97.9	63.6	118.0
166	120.8	80.4	149.2

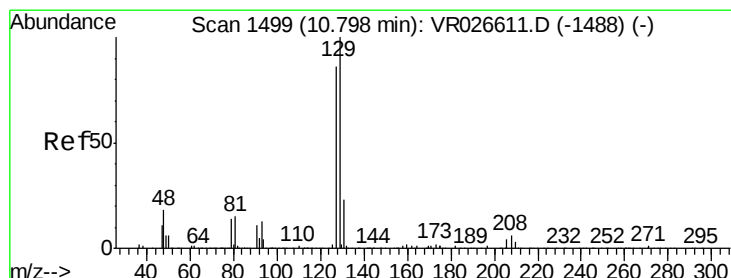
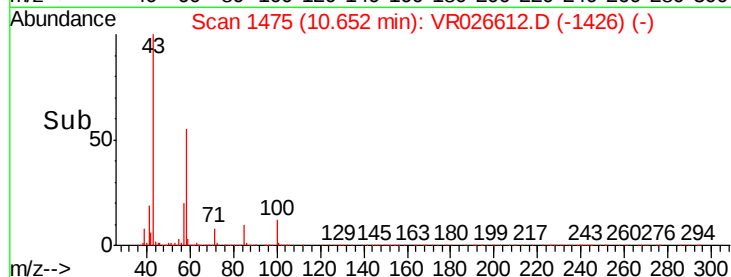
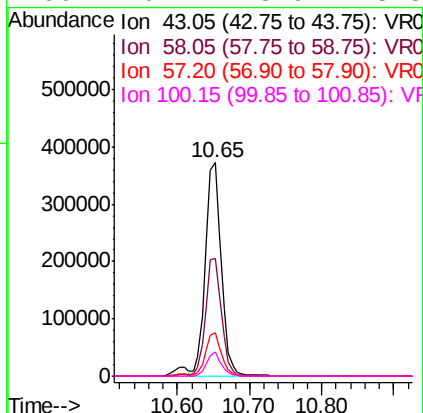
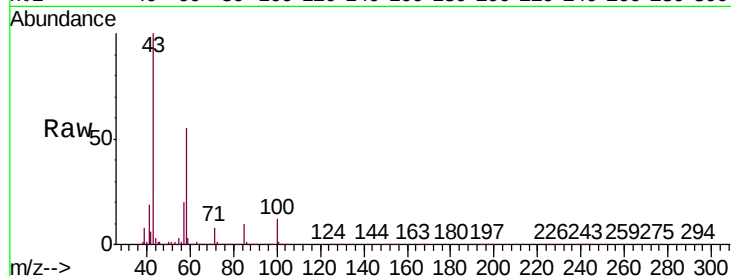




#48
2-Hexanone
Concen: 126.883 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

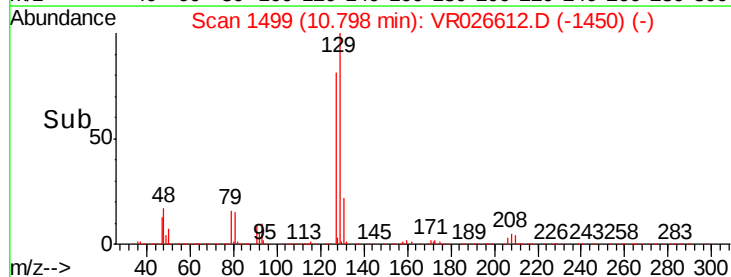
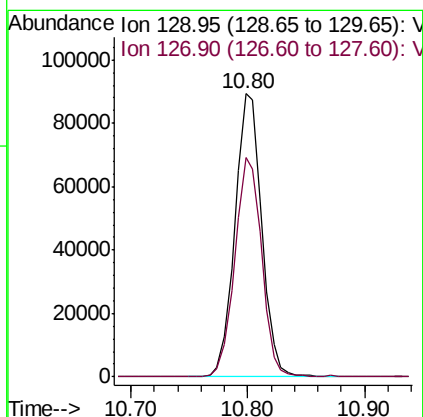
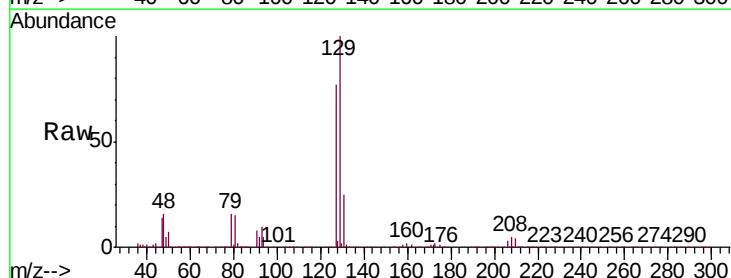
Instrument :
MSVOA_R
ClientSampled :
VSTD01065

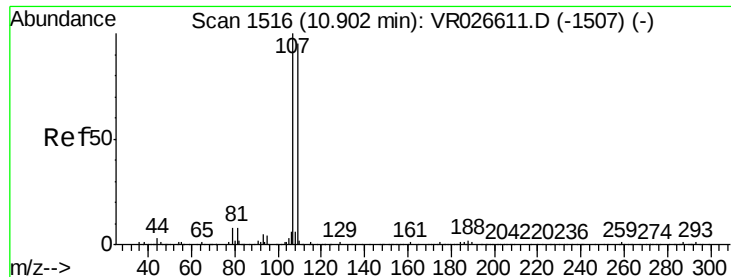
Tgt Ion: 43 Resp: 577869
Ion Ratio Lower Upper
43 100
58 55.6 46.0 69.0
57 20.0 16.1 24.1
100 10.4 8.9 13.3



#49
Dibromochloromethane
Concen: 11.868 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion: 129 Resp: 143076
Ion Ratio Lower Upper
129 100
127 77.4 59.9 111.3

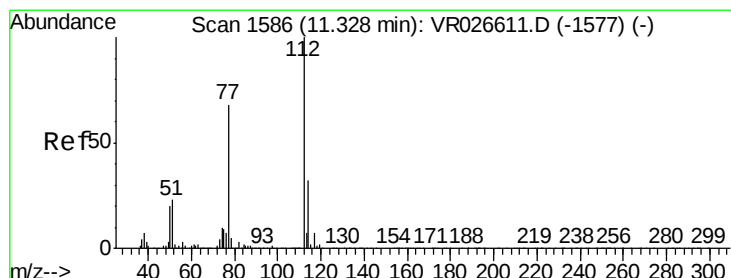
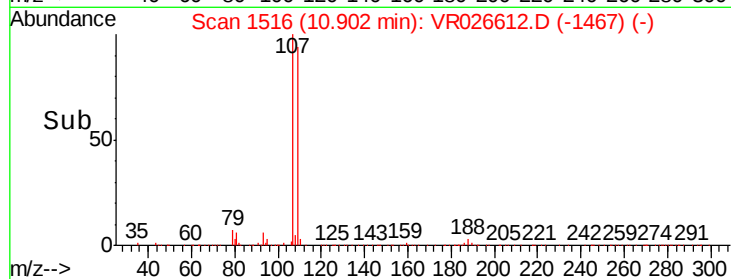
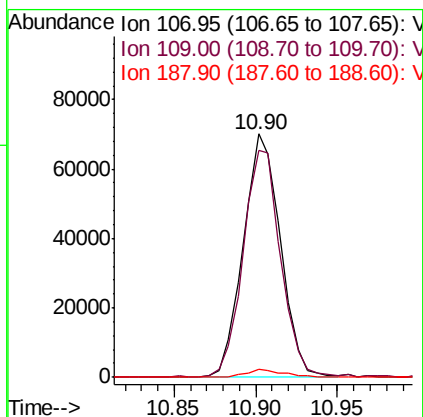
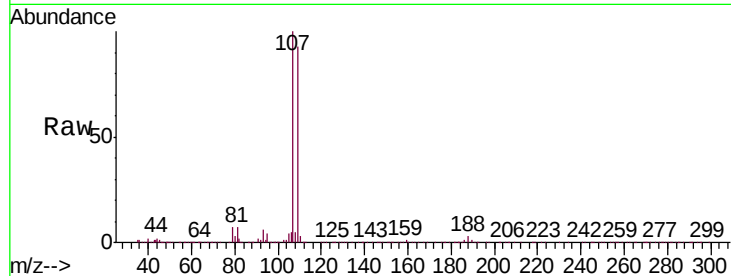




#50
1,2-Dibromoethane
Concen: 11.053 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

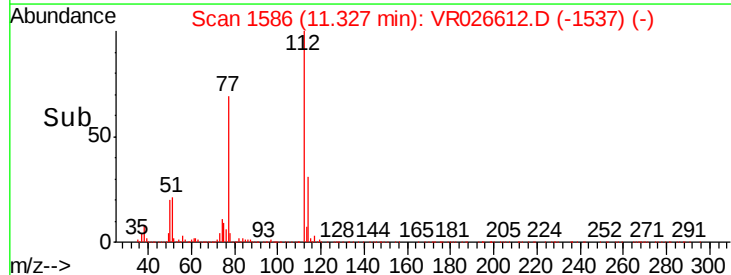
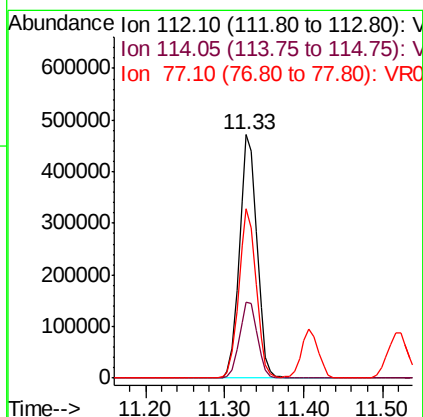
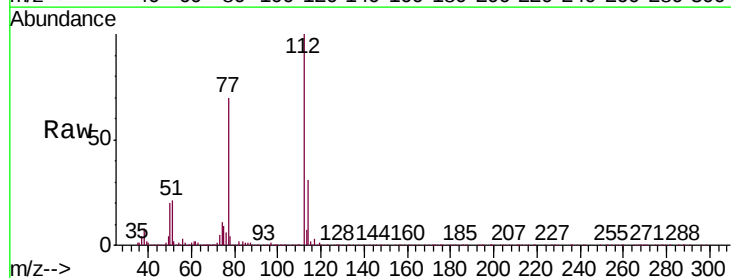
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

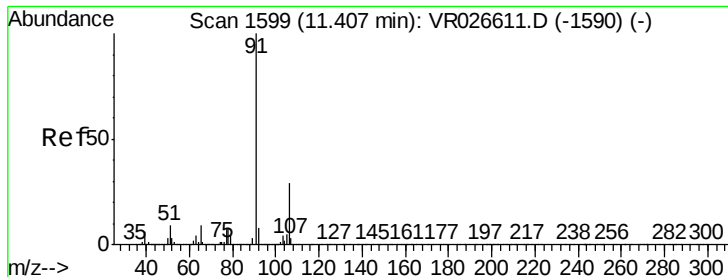
Tgt Ion:107 Resp: 111153
Ion Ratio Lower Upper
107 100
109 93.1 66.8 124.2
188 3.3 1.9 2.9#



#51
Chlorobenzene
Concen: 11.463 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion:112 Resp: 728253
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.3
77 69.5 54.3 81.5





#52

Ethylbenzene

Concen: 11.584 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

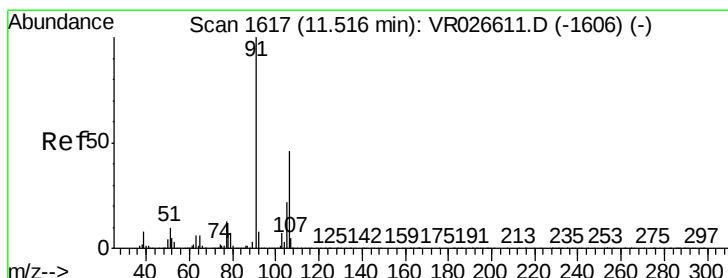
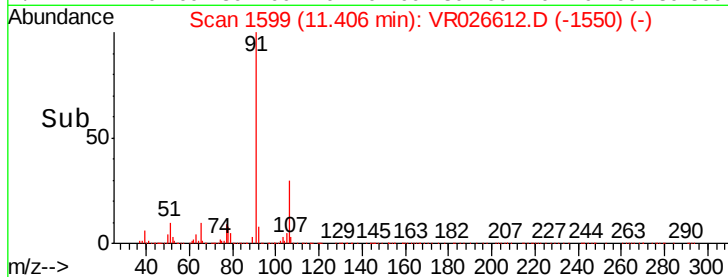
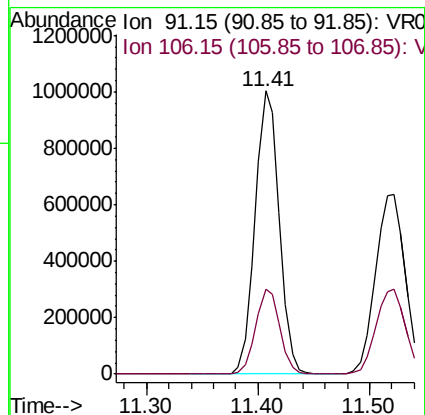
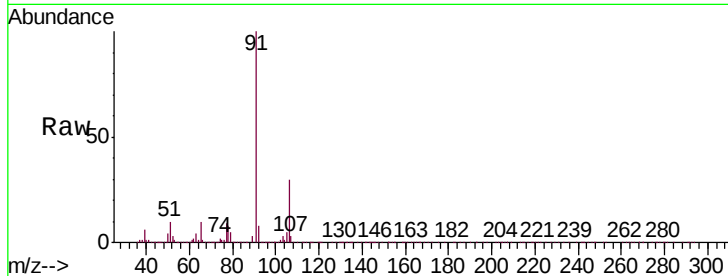
VSTD01065

Tgt Ion: 91 Resp: 1512476

Ion Ratio Lower Upper

91 100

106 30.1 20.6 38.2



#53

m,p-Xylene

Concen: 11.400 ug/L

RT: 11.52 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VR026612.D

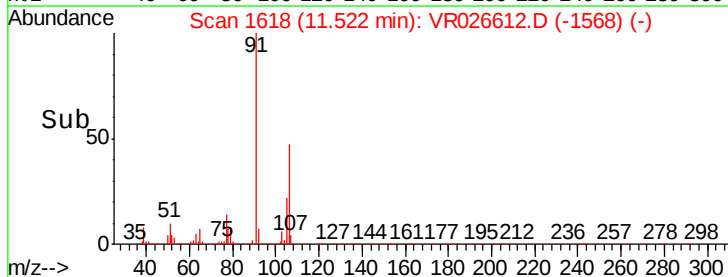
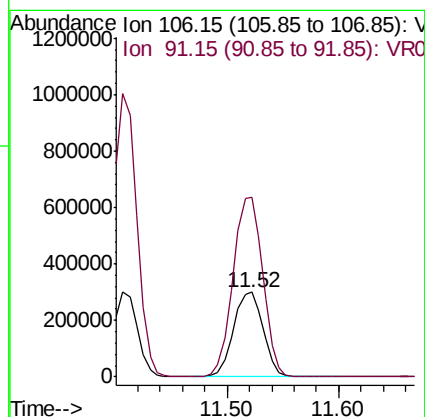
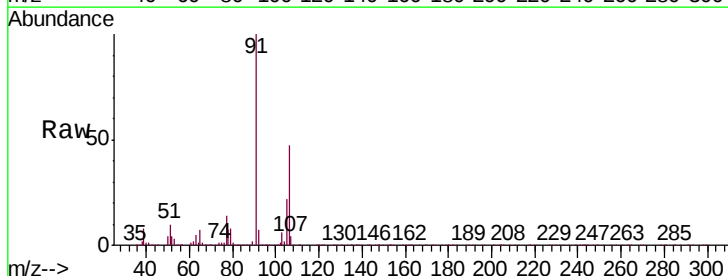
Acq: 10 Sep 2019 17:13

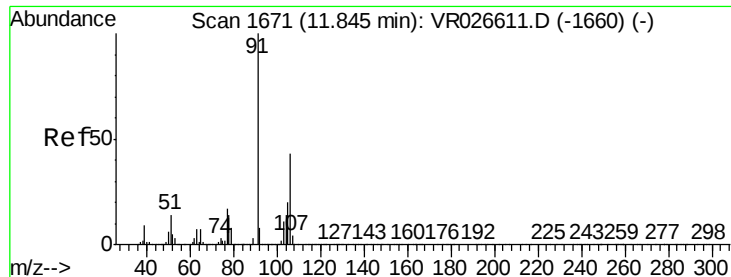
Tgt Ion: 106 Resp: 551397

Ion Ratio Lower Upper

106 100

91 212.8 151.8 282.0

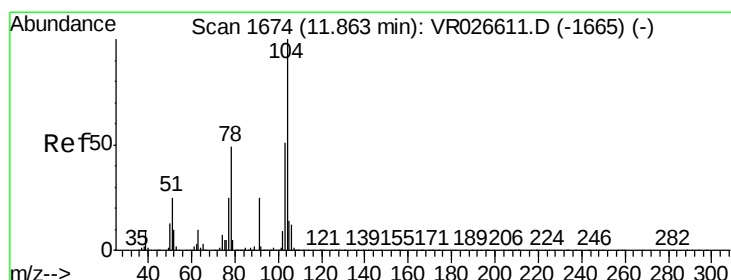
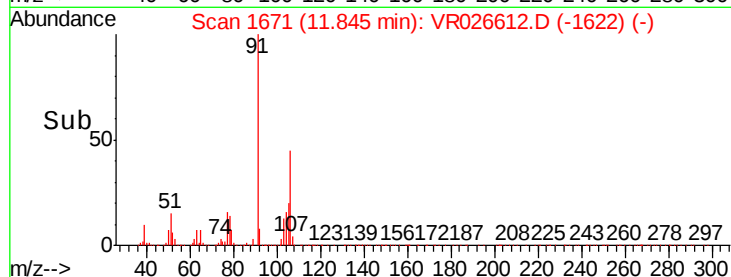
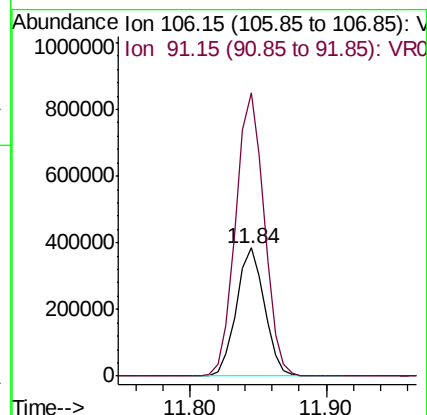
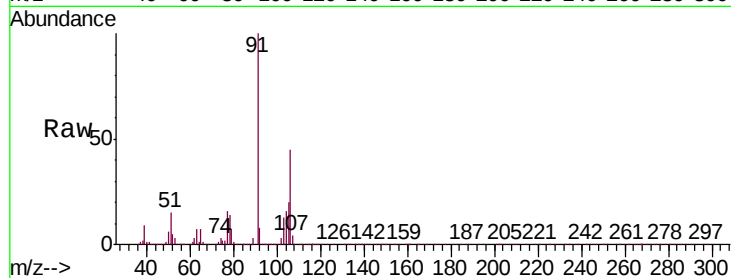




#54
o-Xylene
Concen: 11.612 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

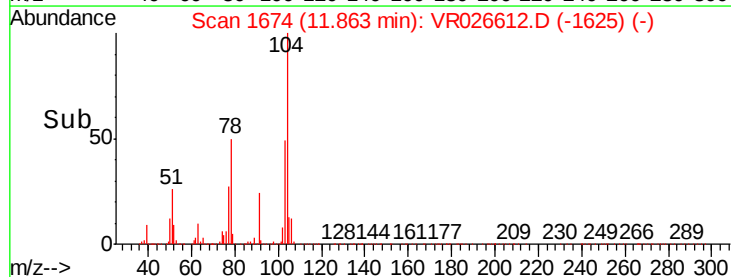
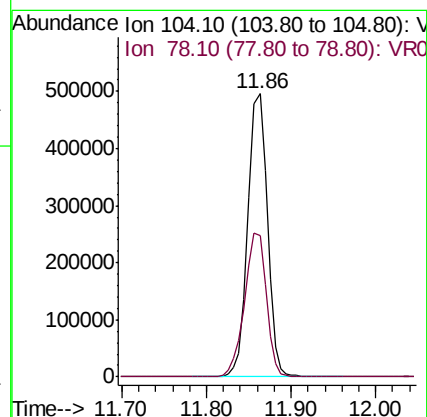
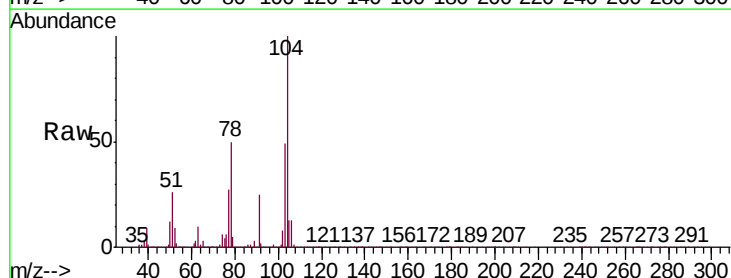
Instrument :
MSVOA_R
ClientSampleId :
VSTD01065

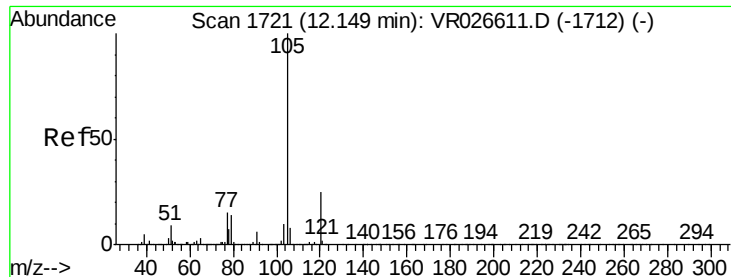
Tgt Ion:106 Resp: 552512
Ion Ratio Lower Upper
106 100
91 220.5 161.3 299.5



#55
Styrene
Concen: 11.723 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VR026612.D
Acq: 10 Sep 2019 17:13

Tgt Ion:104 Resp: 770023
Ion Ratio Lower Upper
104 100
78 50.0 34.3 63.7





#56

Isopropylbenzene

Concen: 11.572 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD01065

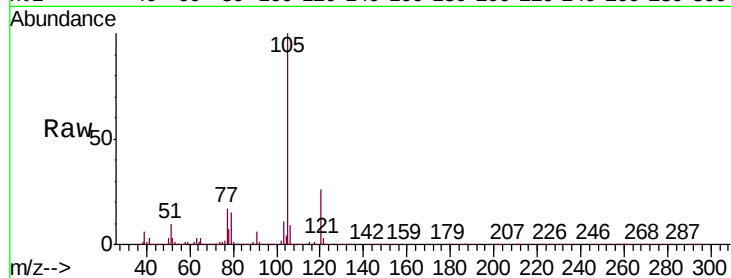
Tgt Ion: 105 Resp: 1549465

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

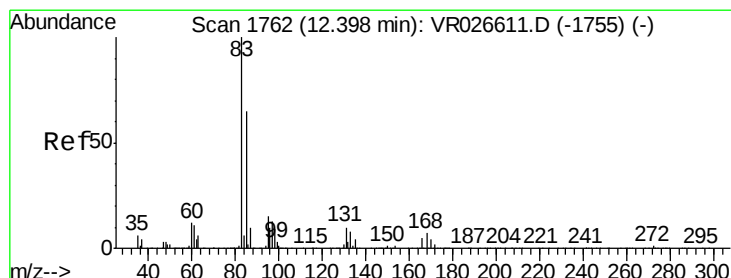
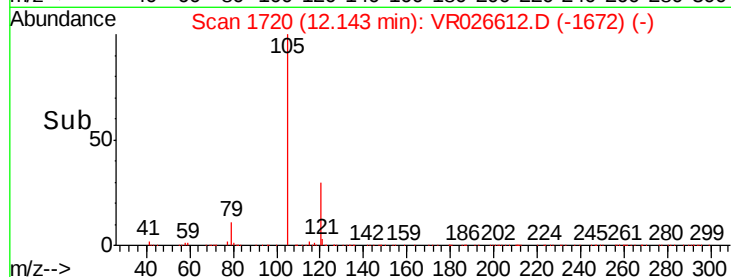
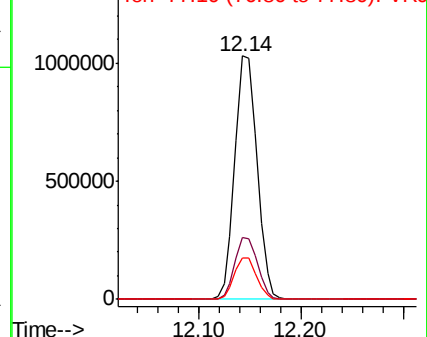
77 17.0 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 12.223 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

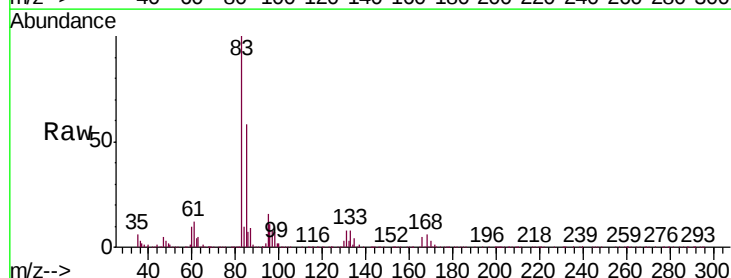
Tgt Ion: 83 Resp: 150704

Ion Ratio Lower Upper

83 100

85 58.3 45.7 84.9

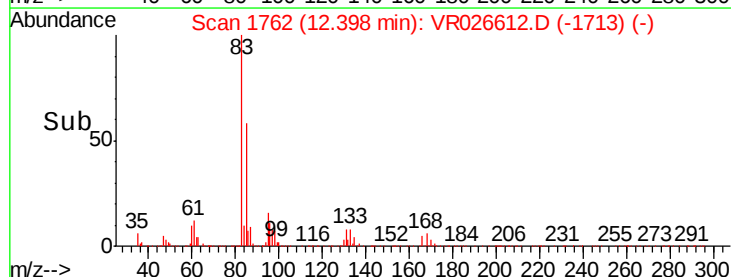
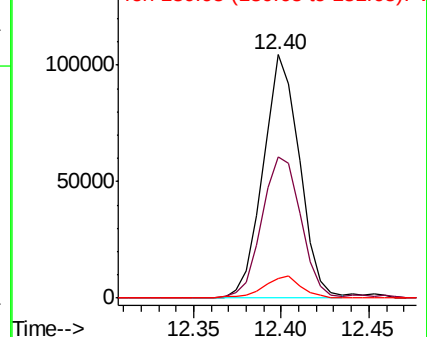
131 7.9 7.9 11.9#

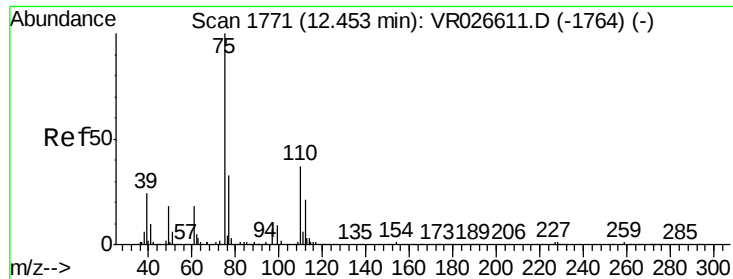


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

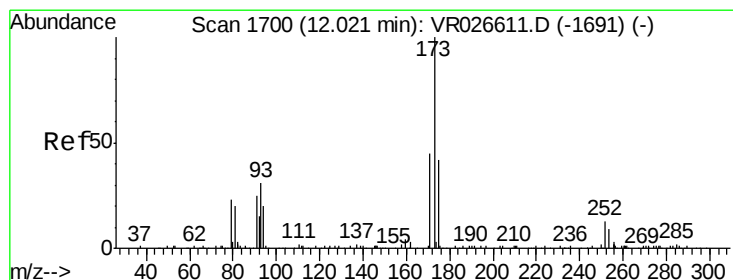
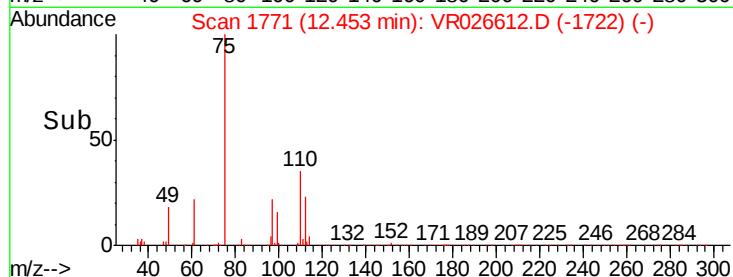
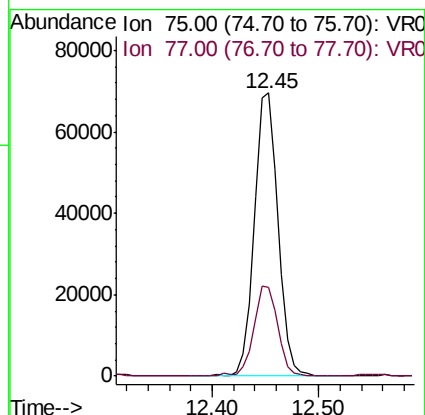
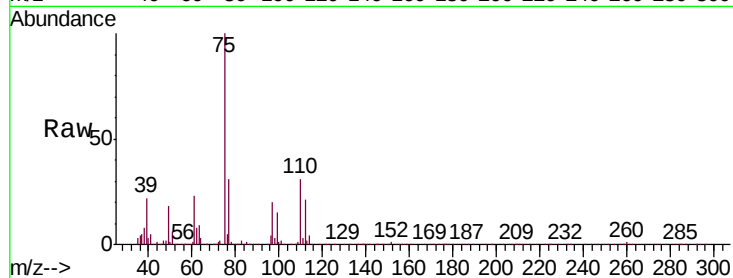




#59
 1,2,3-Trichloropropane
 Concen: 12.390 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

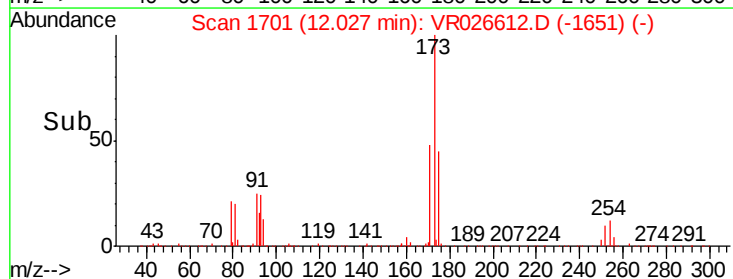
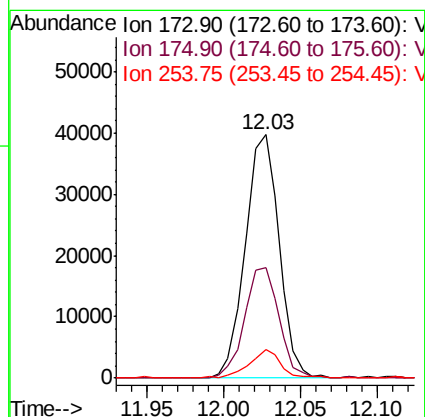
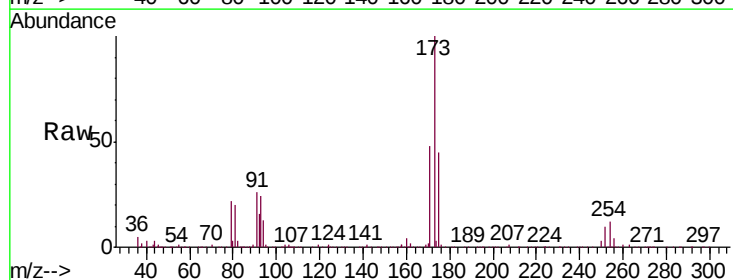
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

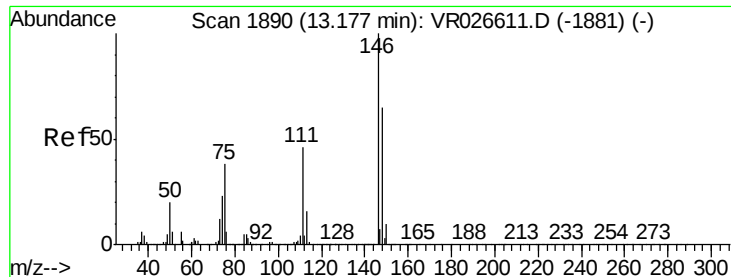
Tgt Ion: 75 Resp: 108408
 Ion Ratio Lower Upper
 75 100
 77 32.0 27.3 40.9



#61
 Bromoform
 Concen: 11.070 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion: 173 Resp: 60909
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.8 58.2
 254 11.2 10.0 15.0





#62

1,3-Dichlorobenzene

Concen: 11.224 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD01065

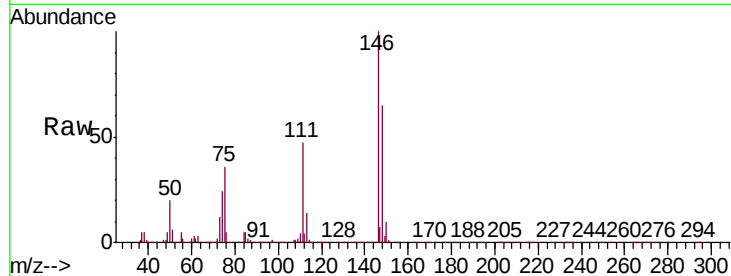
Tgt Ion:146 Resp: 518642

Ion Ratio Lower Upper

146 100

111 46.7 32.2 59.8

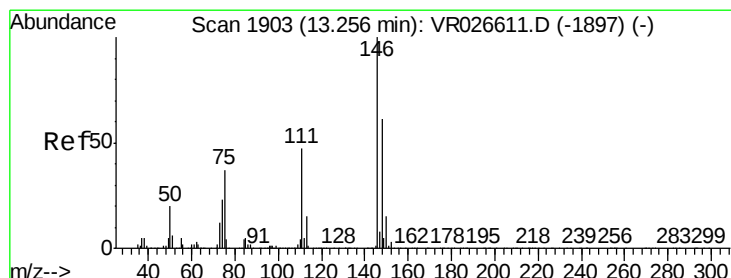
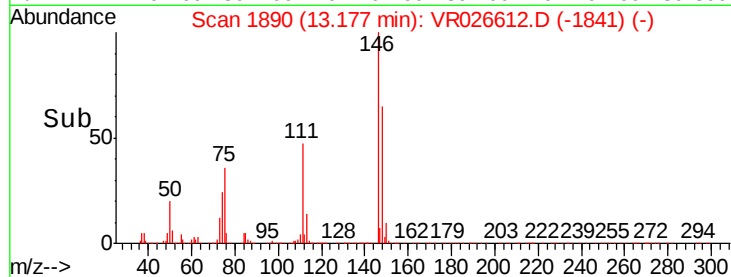
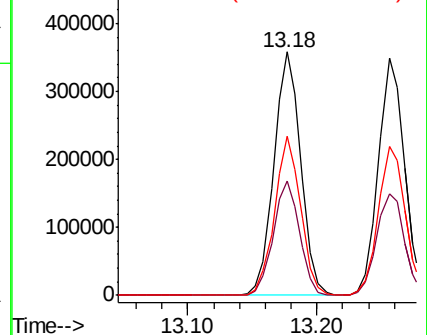
148 65.2 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 11.034 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

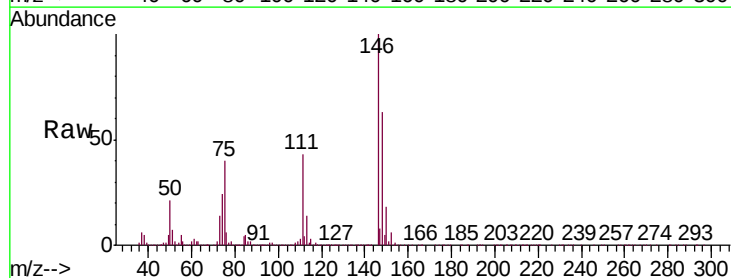
Tgt Ion:146 Resp: 484700

Ion Ratio Lower Upper

146 100

111 43.1 33.2 61.7

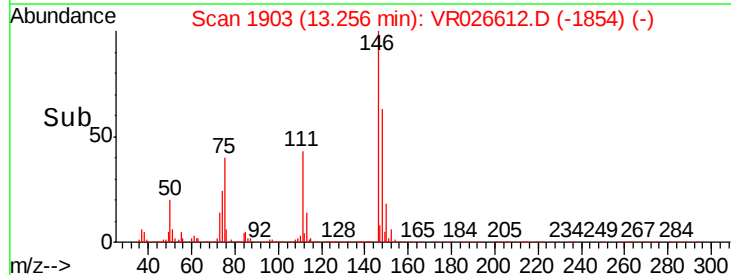
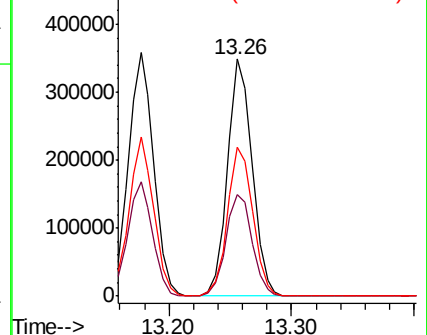
148 62.8 42.4 78.6

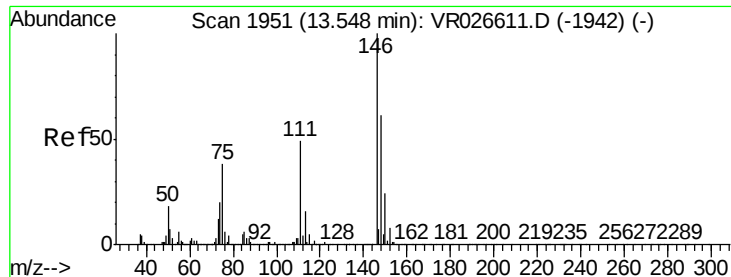


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

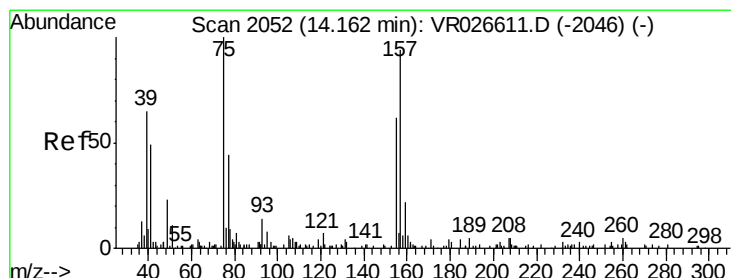
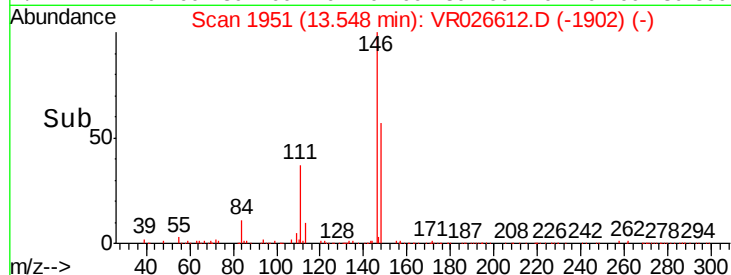
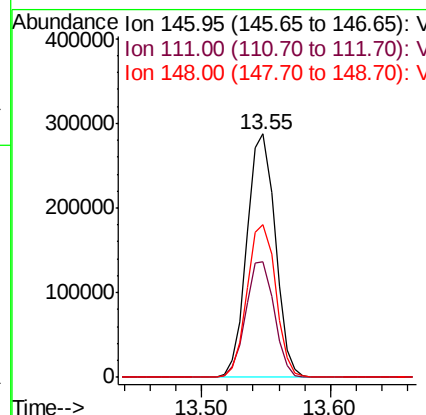
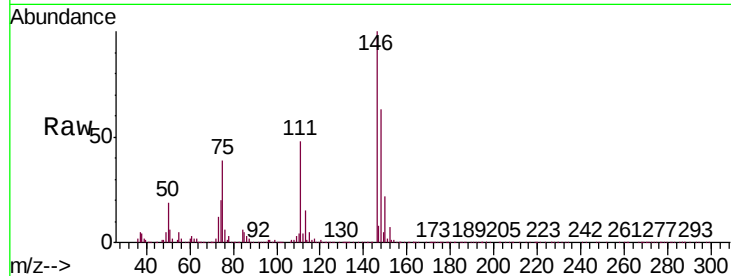




#65
 1,2-Dichlorobenzene
 Concen: 11.356 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

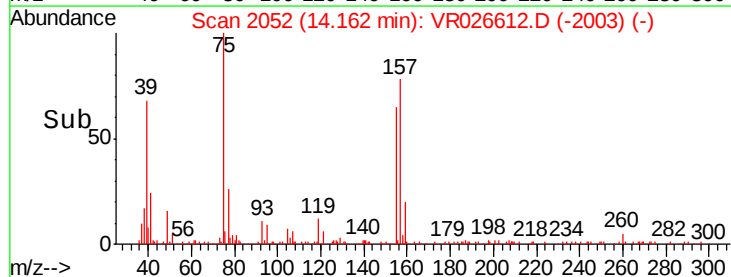
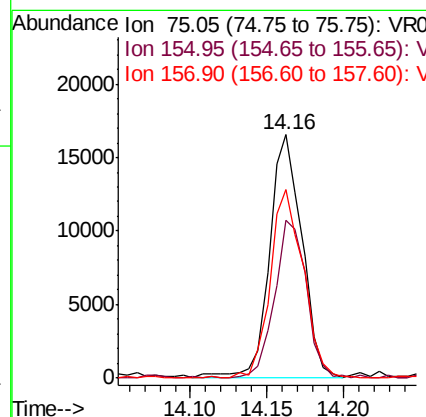
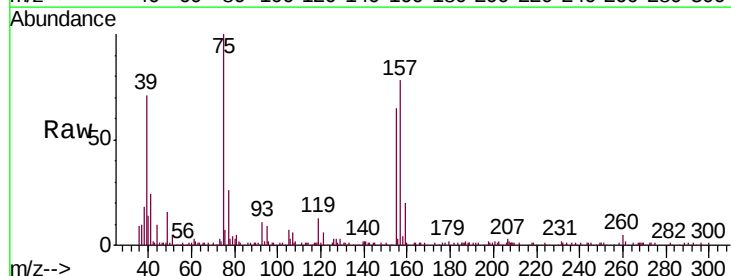
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

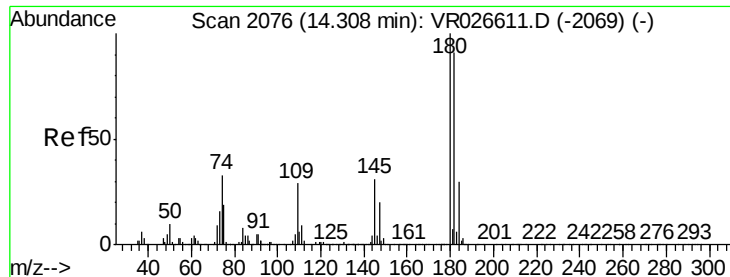
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	39.3	58.9
148	62.6	49.3	73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.887 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.6	50.2	75.4
157	77.5	74.5	111.7

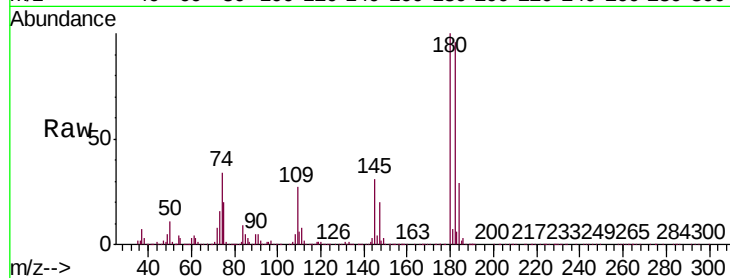




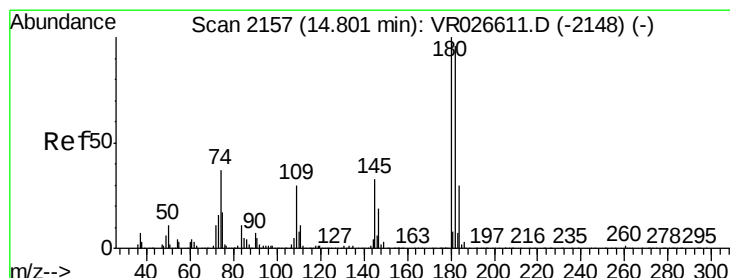
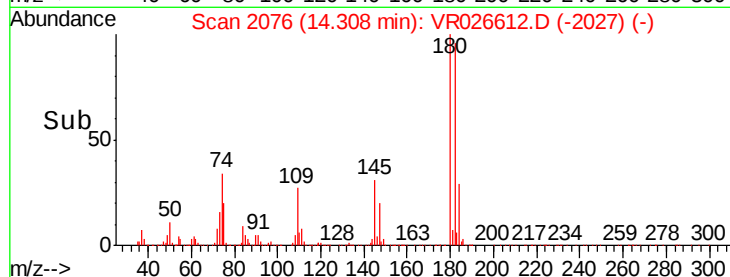
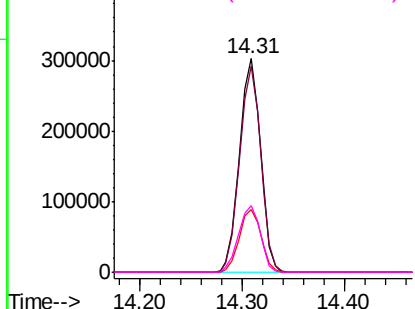
#67
 1,3,5-Trichlorobenzene
 Concen: 10.359 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01065

Tgt Ion:	180	Resp:	429380
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.1	112.7
184	30.4	23.5	35.3
145	32.1	25.8	38.8

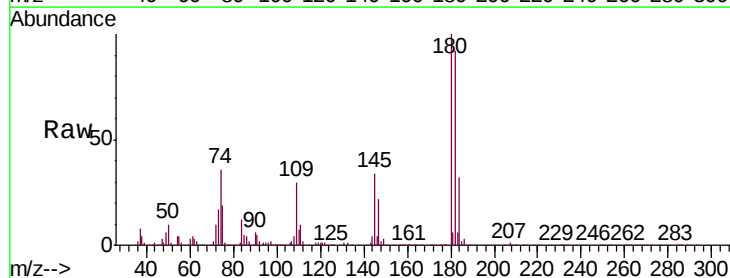


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

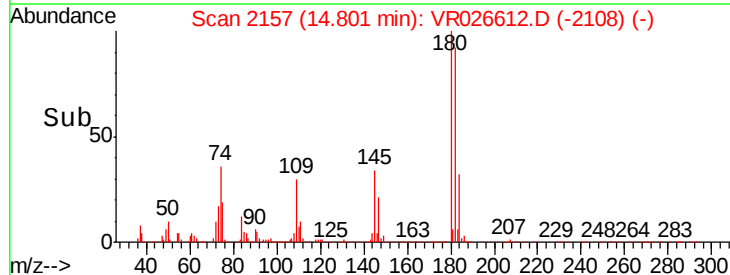
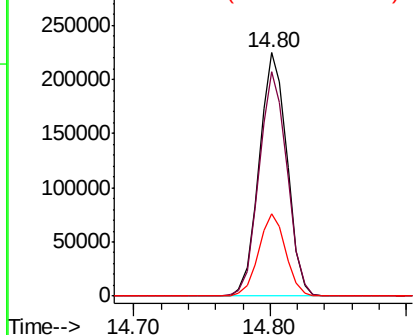


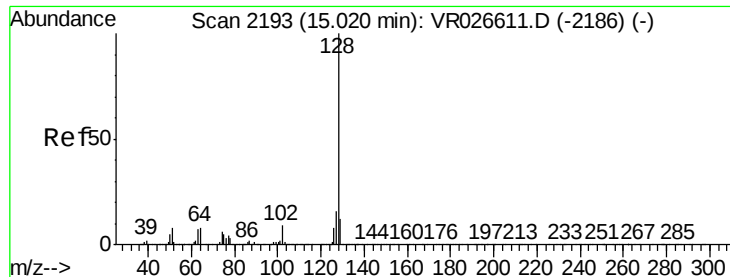
#68
 1,2,4-trichlorobenzene
 Concen: 10.476 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026612.D
 Acq: 10 Sep 2019 17:13

Tgt Ion:	180	Resp:	323405
Ion Ratio	Lower	Upper	
180	100		
182	92.7	77.7	116.5
145	32.7	26.0	39.0



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





#69

Naphthalene

Concen: 10.521 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

Instrument :

MSVOA_R

ClientSampleId :

VSTD01065

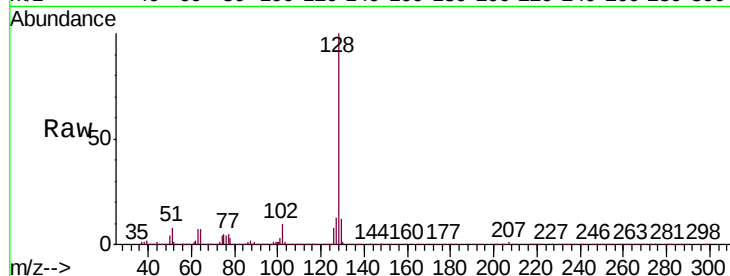
Tgt Ion:128 Resp: 492605

Ion Ratio Lower Upper

128 100

127 12.8 11.4 17.2

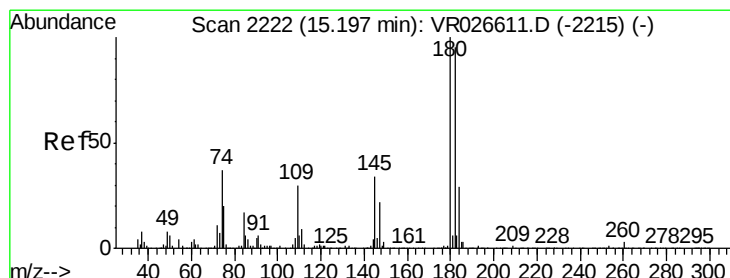
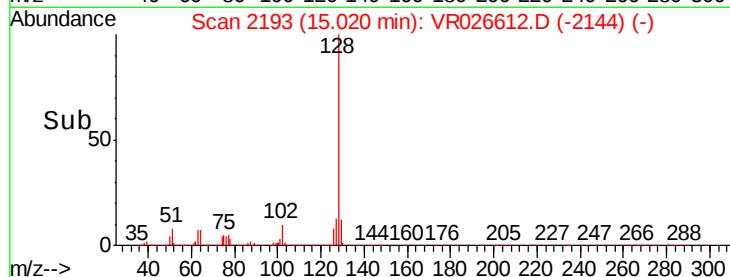
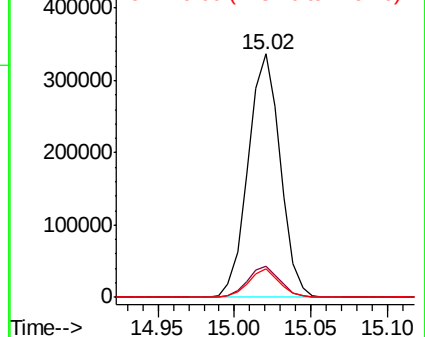
129 11.1 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.306 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026612.D

Acq: 10 Sep 2019 17:13

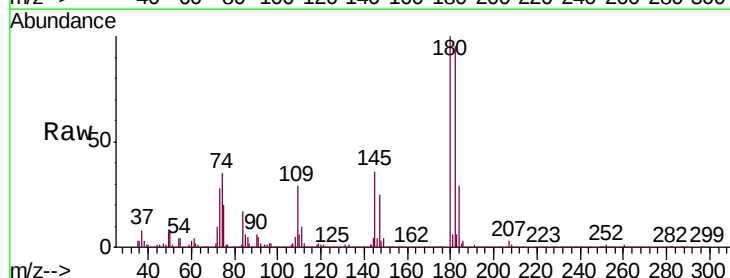
Tgt Ion:180 Resp: 265636

Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

145 35.4 27.4 41.2



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

