

Data File : VR026627.D
Acq On : 12 Sep 2019 19:08
Operator : SY/MD
Sample : VSTD01066
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01066

Quant Time: Sep 13 05:00:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 04:55:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	403669	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	318809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	140084	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.20	65	99748	8.27	ug/L	0.01
7) Chloroethane-d5	2.65	69	93599	9.05	ug/L	0.02
11) 1,1-Dichloroethene-d2	3.66	63	289874	9.86	ug/L	0.01
20) 2-Butanone-d5	6.62	46	268304	100.96	ug/L	0.00
24) Chloroform-d	7.23	84	420971	9.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.92	65	137696	9.94	ug/L	0.00
32) Benzene-d6	7.88	84	791981	8.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.92	67	212238	8.84	ug/L	0.00
41) Toluene-d8	9.99	98	634161	9.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.25	79	50499	8.86	ug/L	0.00
46) 2-Hexanone-d5	10.60	63	174930	100.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.38	84	108096	9.41	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.53	152	170609	9.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	436044	10.731 ug/L	99
3) Chloromethane	2.07	50	224051	9.282 ug/L	96
5) Vinyl chloride	2.20	62	224219	9.798 ug/L	95
6) Bromomethane	2.54	94	141097	10.741 ug/L	98
8) Chloroethane	2.68	64	129591	10.022 ug/L	100
9) Trichlorofluoromethane	2.99	101	381816	10.773 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	166561	10.823 ug/L	98
12) 1,1-Dichloroethene	3.66	96	162043	10.182 ug/L	86
13) Acetone	3.73	43	172130	103.089 ug/L	100
14) Carbon disulfide	3.97	76	913893	14.940 ug/L	100
15) Methyl Acetate	4.22	43	70468	9.553 ug/L	92
16) Methylene chloride	4.43	84	334489	10.005 ug/L	99
17) Methyl tert-butyl Ether	4.93	73	405554	10.184 ug/L	97
18) trans-1,2-Dichloroethene	4.92	96	356724	10.380 ug/L	99
19) 1,1-Dichloroethane	5.72	63	671322	10.247 ug/L	96
21) 2-Butanone	6.72	43	362473	105.753 ug/L	98
22) cis-1,2-Dichloroethene	6.70	96	368687	10.871 ug/L	98
23) Bromochloromethane	7.07	128	99378	10.865 ug/L	88
25) Chloroform	7.26	83	607463	10.108 ug/L	97
27) 1,2-Dichloroethane	8.01	62	234128	10.689 ug/L	# 93
29) 1,1,1-Trichloroethane	7.45	97	474396	9.697 ug/L	98
30) Cyclohexane	7.54	56	576036	10.120 ug/L	98
31) Carbon tetrachloride	7.66	117	407247	10.041 ug/L	99
33) Benzene	7.93	78	1385814	9.784 ug/L	100
34) Trichloroethene	8.73	95	342010	9.755 ug/L	97
35) Methylcyclohexane	8.98	83	544375	10.283 ug/L	99
37) 1,2-Dichloropropane	9.02	63	286351	10.126 ug/L	99
38) Bromodichloromethane	9.30	83	312327	10.676 ug/L	98
39) cis-1,3-Dichloropropene	9.73	75	341172	11.114 ug/L	99
40) 4-Methyl-2-pentanone	9.88	43	823632	103.737 ug/L	99

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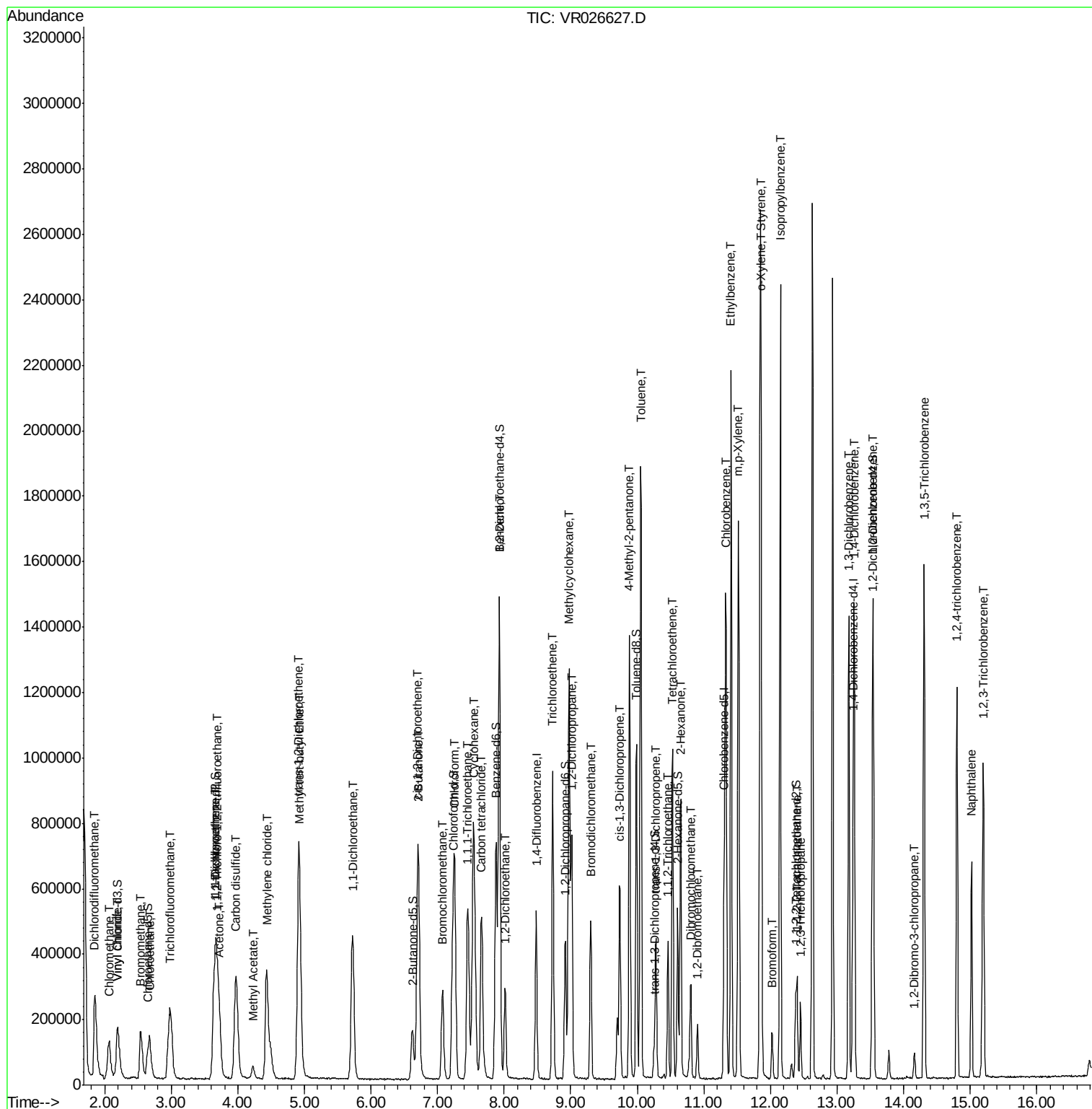
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.05	91	1301473	10.261	ug/L	97
44) trans-1,3-Dichloropropene	10.28	75	215519	11.331	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	121021	10.211	ug/L	96
47) Tetrachloroethene	10.53	164	196965	9.964	ug/L	94
48) 2-Hexanone	10.65	43	497074	103.529	ug/L	99
49) Dibromochloromethane	10.80	129	138906	11.142	ug/L	96
50) 1,2-Dibromoethane	10.90	107	103528	10.407	ug/L #	96
51) Chlorobenzene	11.33	112	698330	10.183	ug/L	96
52) Ethylbenzene	11.41	91	1435520	10.291	ug/L	98
53) m,p-Xylene	11.52	106	525308	10.306	ug/L	100
54) o-Xylene	11.84	106	510687	10.254	ug/L	91
55) Styrene	11.86	104	733460	10.601	ug/L	95
56) Isopropylbenzene	12.15	105	1452160	10.495	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	141834	10.537	ug/L	96
59) 1,2,3-Trichloropropane	12.45	75	99433	10.086	ug/L	99
61) Bromoform	12.03	173	57839	11.323	ug/L	96
62) 1,3-Dichlorobenzene	13.18	146	490695	10.284	ug/L	97
63) 1,4-Dichlorobenzene	13.26	146	461186	10.050	ug/L	100
65) 1,2-Dichlorobenzene	13.55	146	411740	10.402	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	20256	10.136	ug/L	95
67) 1,3,5-Trichlorobenzene	14.31	180	413105	10.757	ug/L	99
68) 1,2,4-trichlorobenzene	14.80	180	309249	11.032	ug/L	98
69) Naphthalene	15.02	128	441638	11.372	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	258249	11.020	ug/L	98

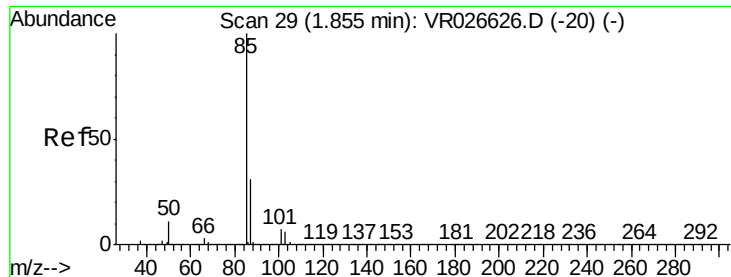
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.731 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.01 min

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Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

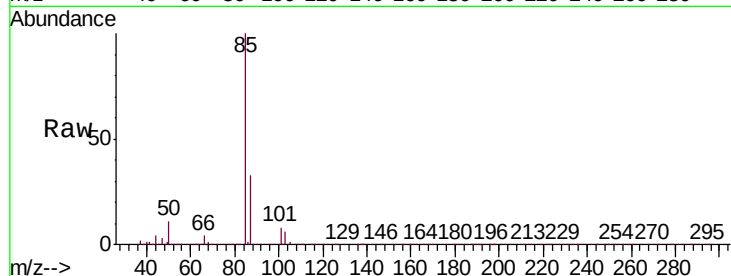
VSTD01066

Tgt Ion: 85 Resp: 436044

Ion Ratio Lower Upper

85 100

87 33.1 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

150000

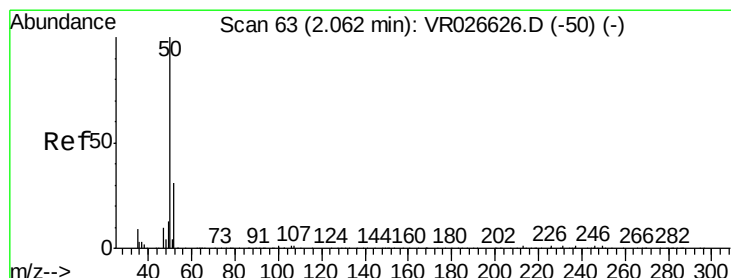
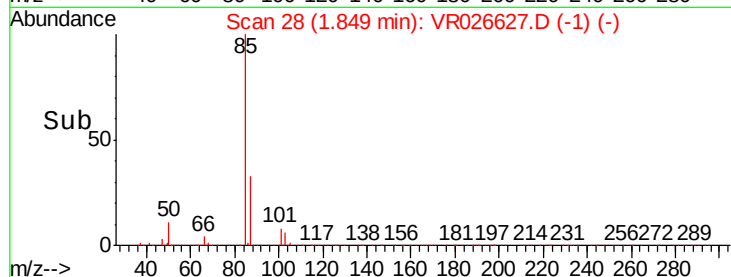
100000

50000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#3

Chloromethane

Concen: 9.282 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.01 min

Lab File: VR026627.D

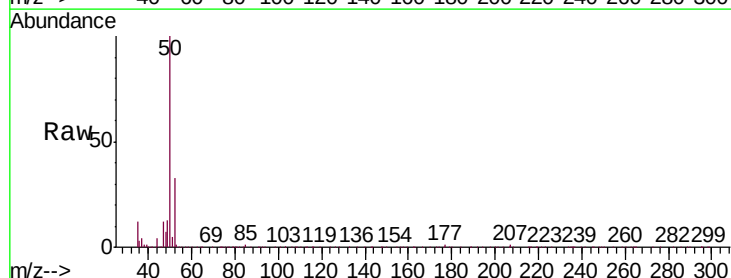
Acq: 12 Sep 2019 19:08

Tgt Ion: 50 Resp: 224051

Ion Ratio Lower Upper

50 100

52 33.4 21.7 40.3



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

60000

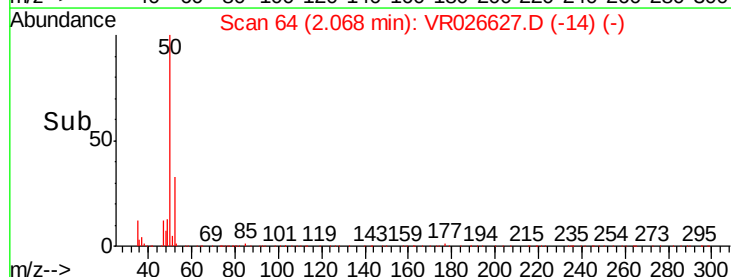
40000

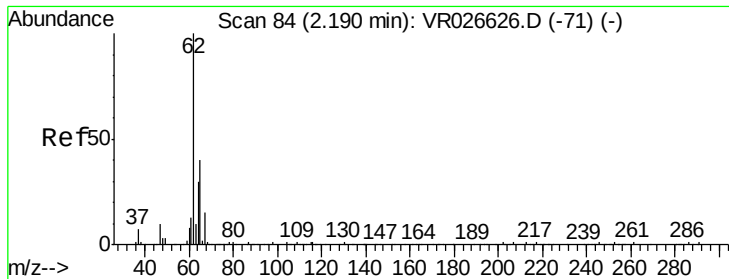
20000

0

1.90 2.00 2.10 2.20

Time-->





#5

Vinyl chloride

Concen: 9.798 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

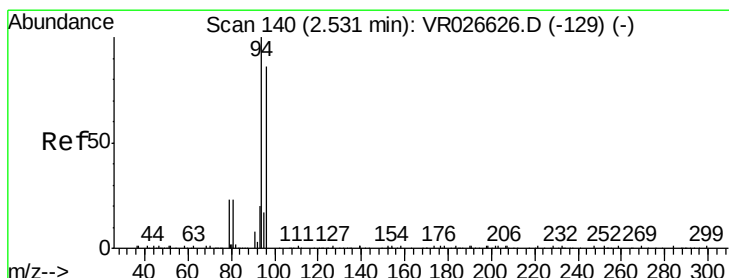
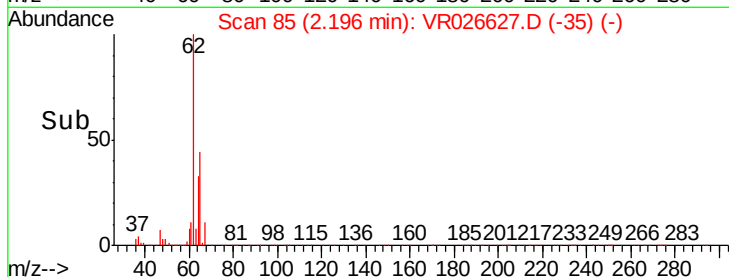
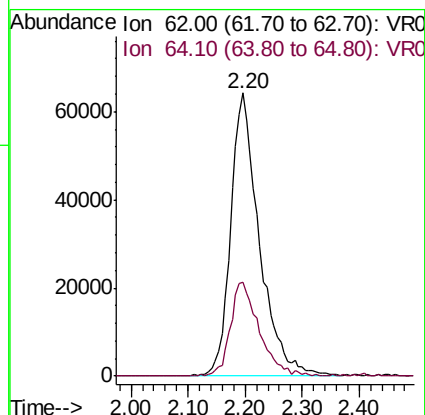
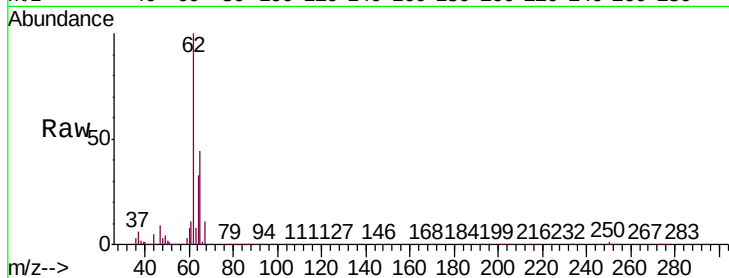
VSTD01066

Tgt Ion: 62 Resp: 224219

Ion Ratio Lower Upper

62 100

64 33.1 21.2 39.4



#6

Bromomethane

Concen: 10.741 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026627.D

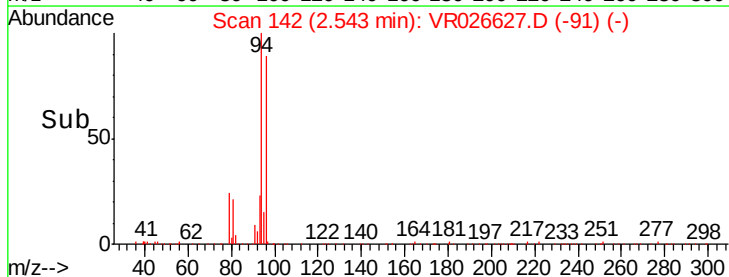
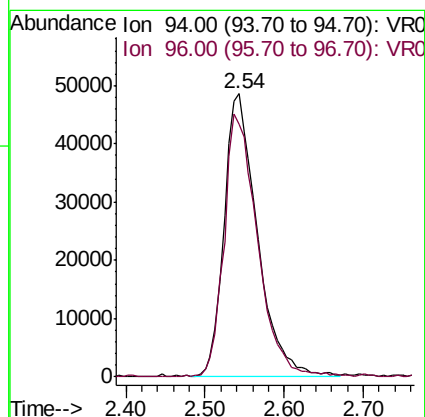
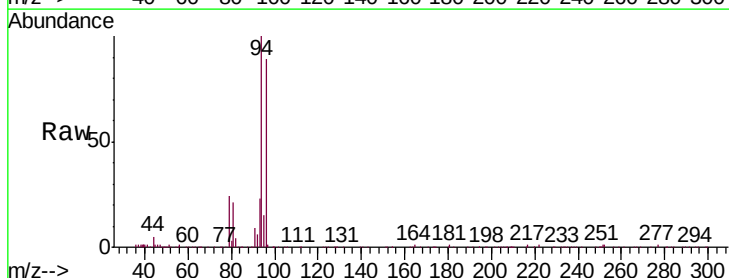
Acq: 12 Sep 2019 19:08

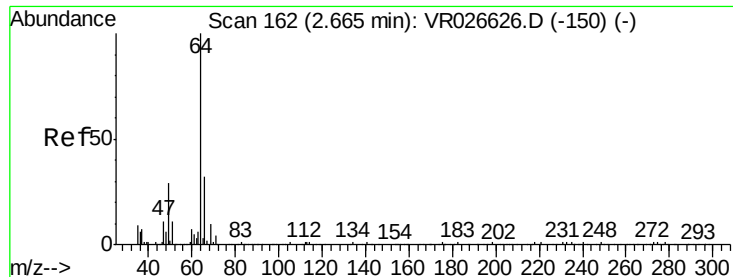
Tgt Ion: 94 Resp: 141097

Ion Ratio Lower Upper

94 100

96 89.4 61.0 113.4





#8

Chloroethane

Concen: 10.022 ug/L

RT: 2.68 min Scan# 164

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

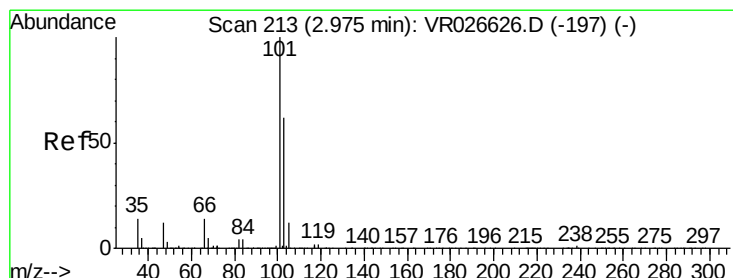
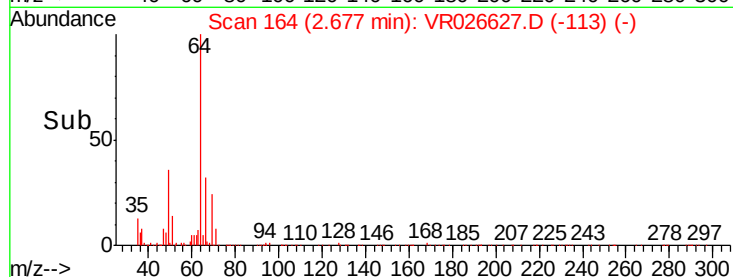
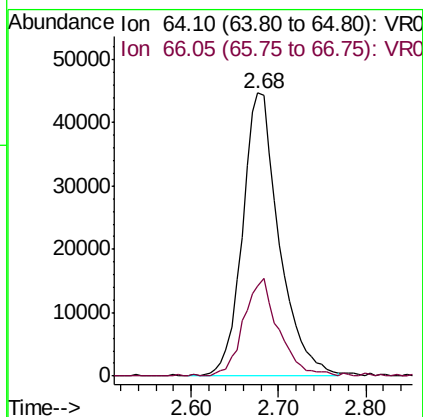
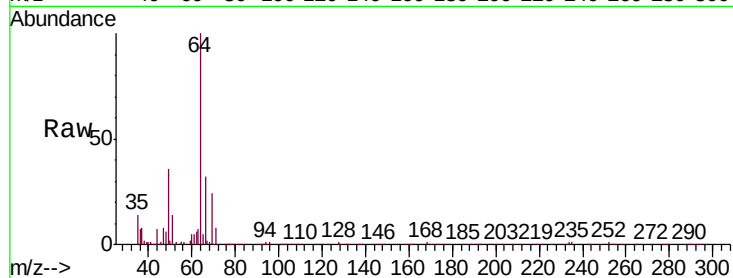
VSTD01066

Tgt Ion: 64 Resp: 129591

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 10.773 ug/L

RT: 2.99 min Scan# 215

Delta R.T. 0.01 min

Lab File: VR026627.D

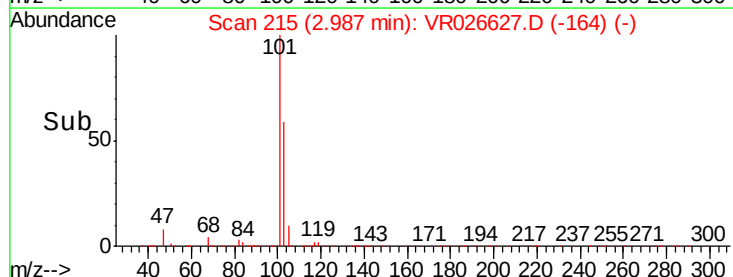
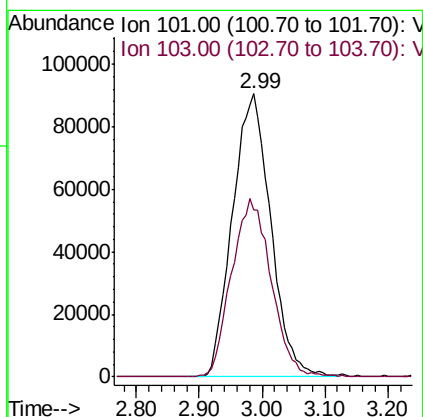
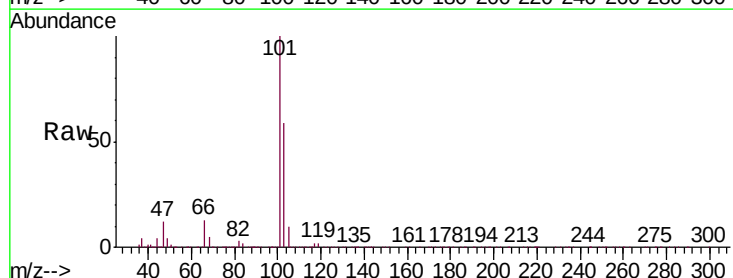
Acq: 12 Sep 2019 19:08

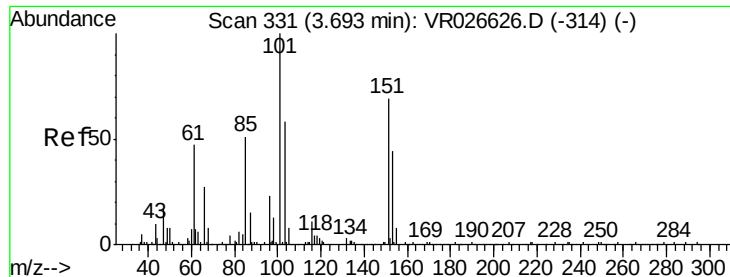
Tgt Ion: 101 Resp: 381816

Ion Ratio Lower Upper

101 100

103 64.9 50.9 76.3





#10

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

Concen: 10.823 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampled :

VSTD01066

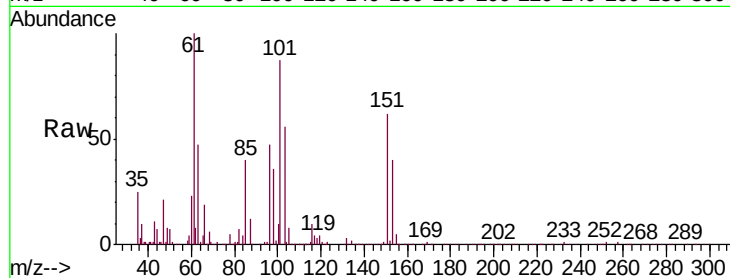
Tgt Ion: 101 Resp: 166561

Ion Ratio Lower Upper

101 100

85 49.9 39.7 59.5

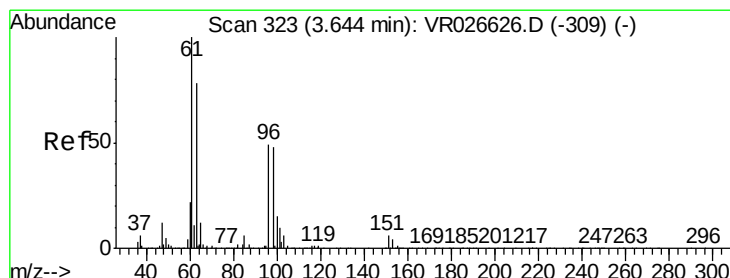
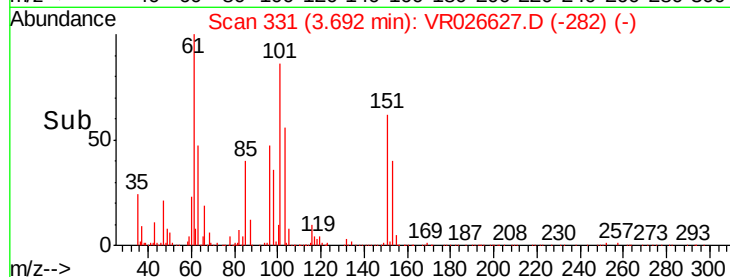
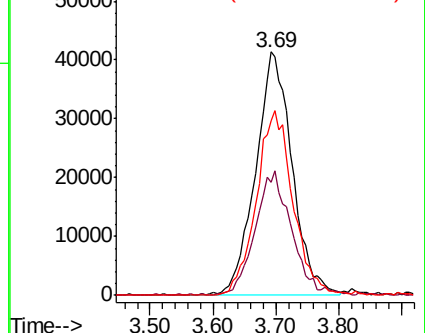
151 75.9 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.182 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.02 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

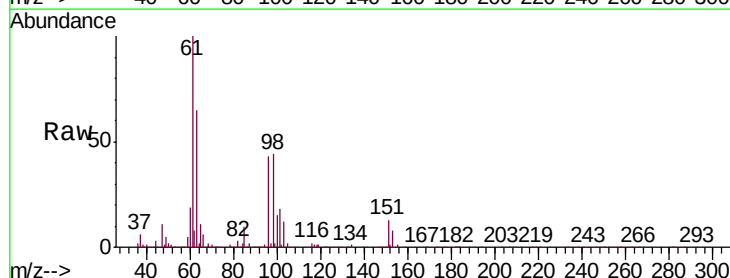
Tgt Ion: 96 Resp: 162043

Ion Ratio Lower Upper

96 100

61 234.5 143.3 266.1

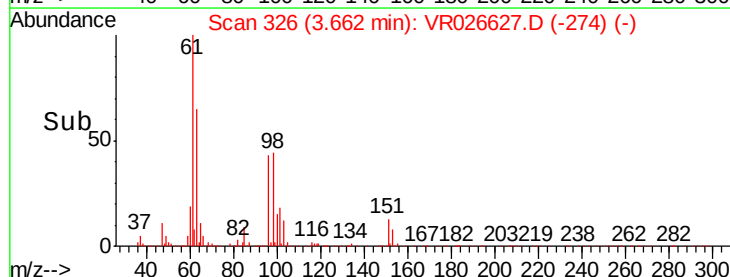
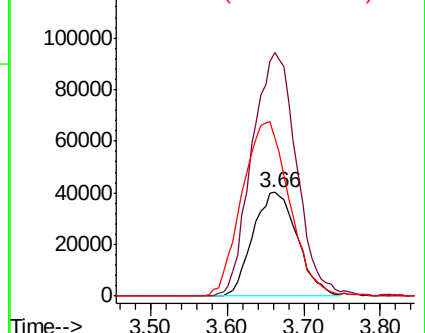
63 152.2 112.6 209.0

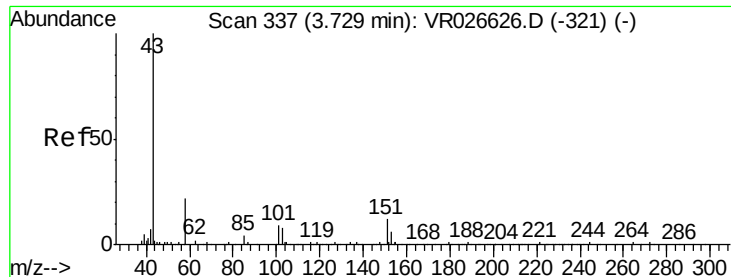


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

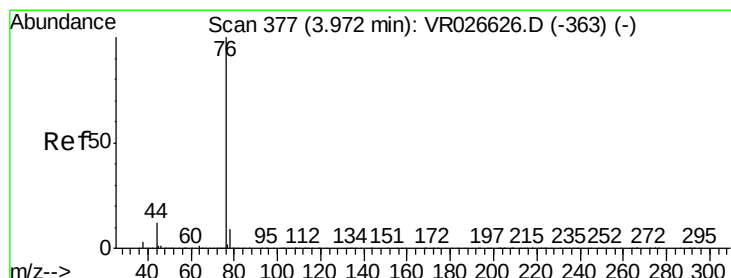
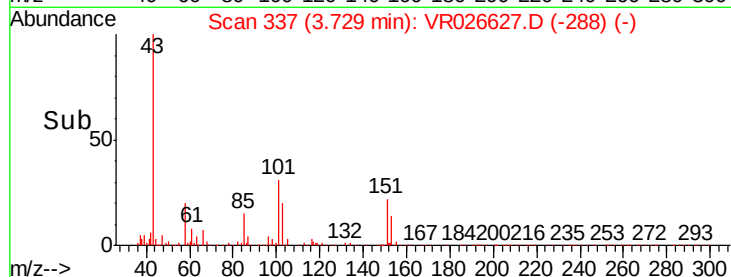
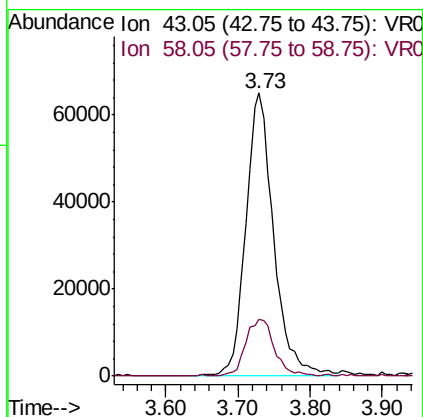
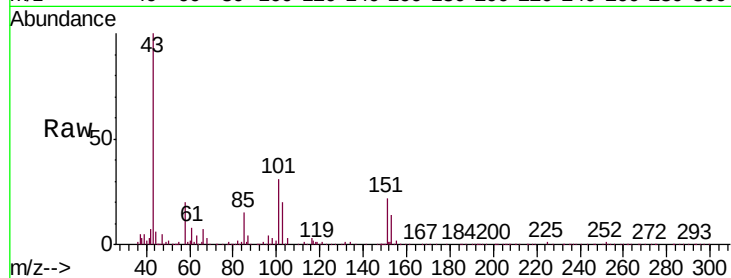




#13
Acetone
Concen: 103.089 ug/L
RT: 3.73 min Scan# 337
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

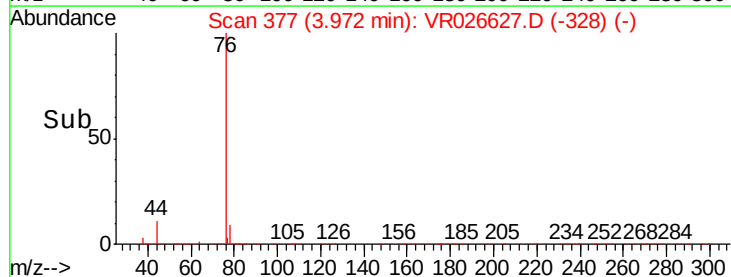
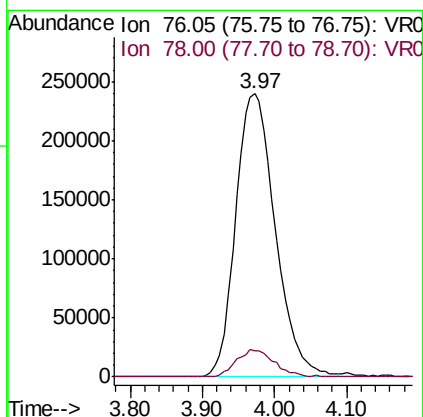
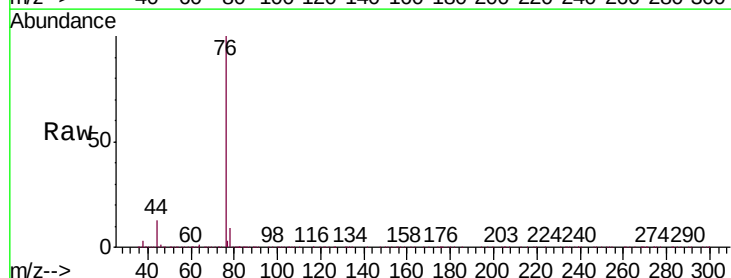
Instrument :
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VSTD01066

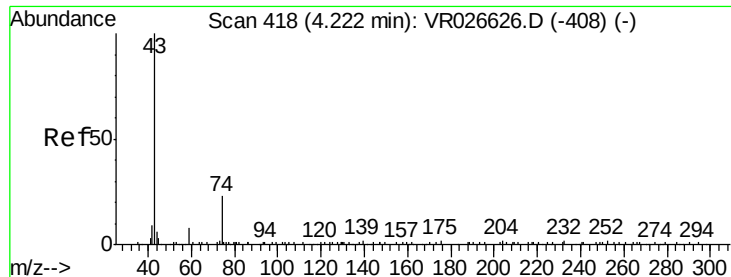
Tgt Ion: 43 Resp: 172130
Ion Ratio Lower Upper
43 100
58 21.0 0.0 41.8



#14
Carbon disulfide
Concen: 14.940 ug/L
RT: 3.97 min Scan# 377
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

Tgt Ion: 76 Resp: 913893
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 9.553 ug/L

RT: 4.22 min Scan# 418

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

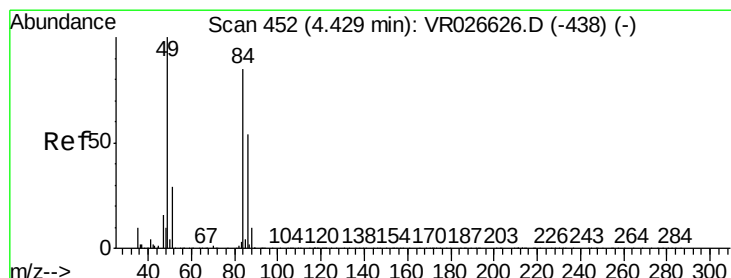
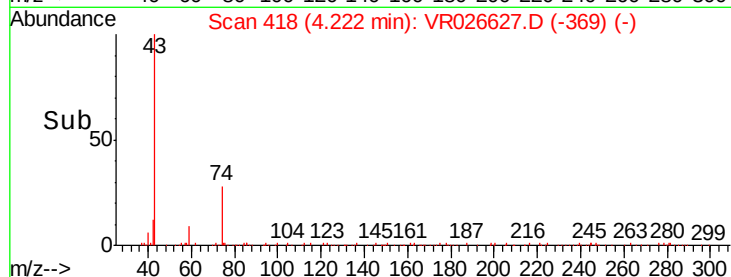
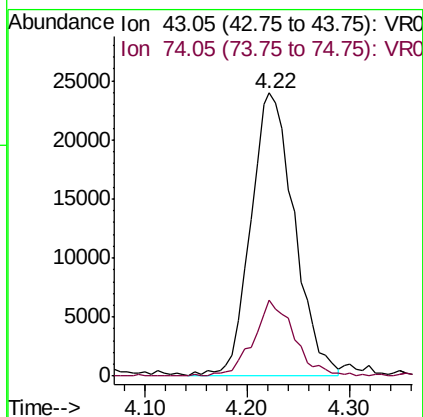
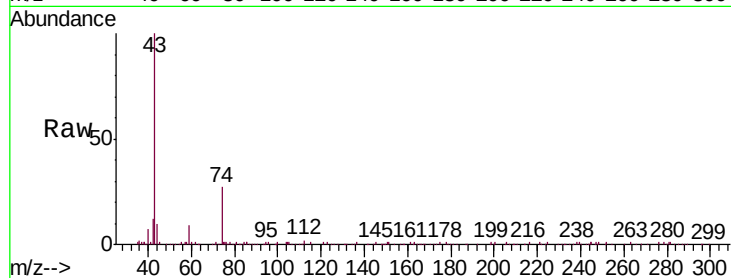
VSTD01066

Tgt Ion: 43 Resp: 70468

Ion Ratio Lower Upper

43 100

74 25.6 17.5 26.3



#16

Methylene chloride

Concen: 10.005 ug/L

RT: 4.43 min Scan# 453

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

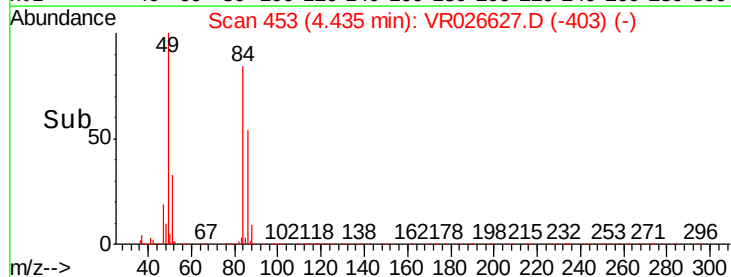
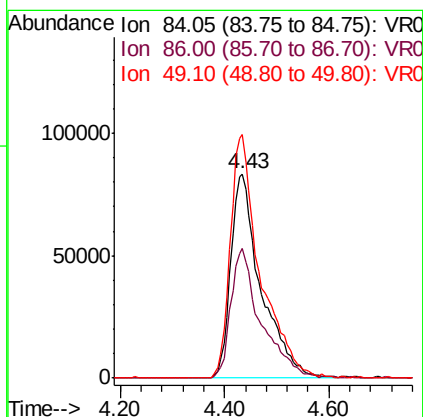
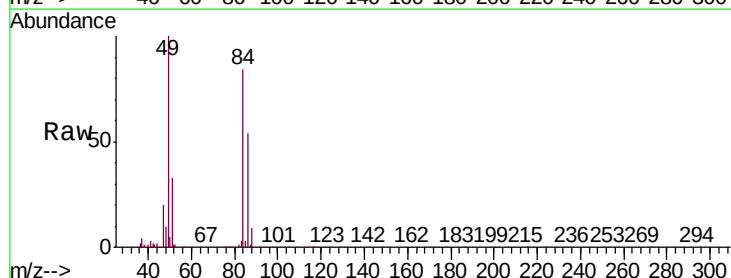
Tgt Ion: 84 Resp: 334489

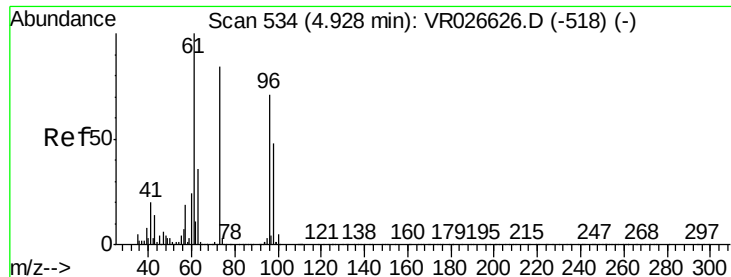
Ion Ratio Lower Upper

84 100

86 63.9 44.2 82.0

49 119.3 82.3 152.9





#17

Methyl tert-butyl Ether

Concen: 10.184 ug/L

RT: 4.93 min Scan# 535

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD01066

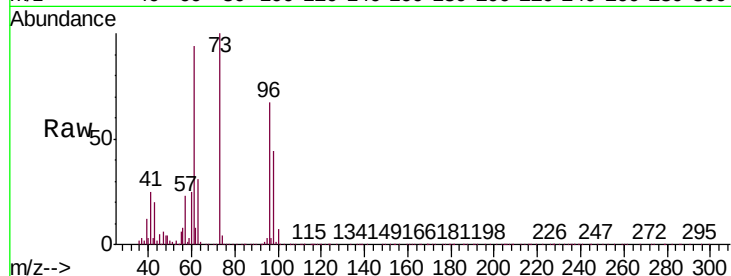
Tgt Ion: 73 Resp: 405554

Ion Ratio Lower Upper

73 100

43 19.0 14.7 22.1

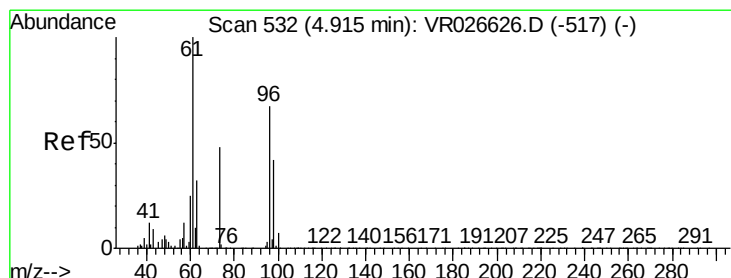
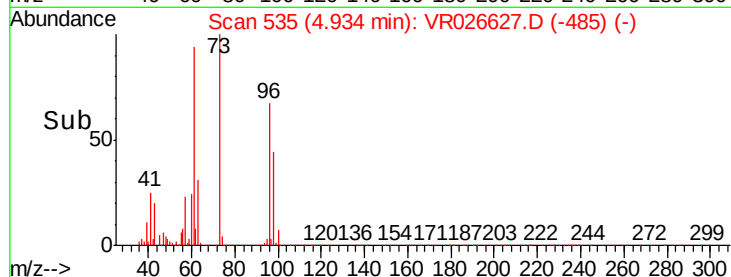
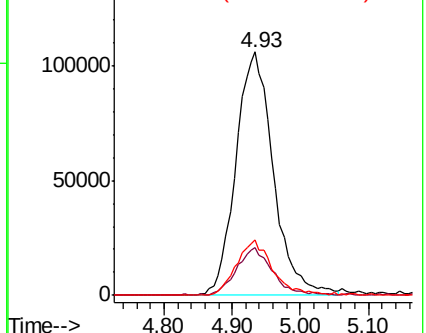
57 21.8 18.9 28.3



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: 10.380 ug/L

RT: 4.92 min Scan# 532

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

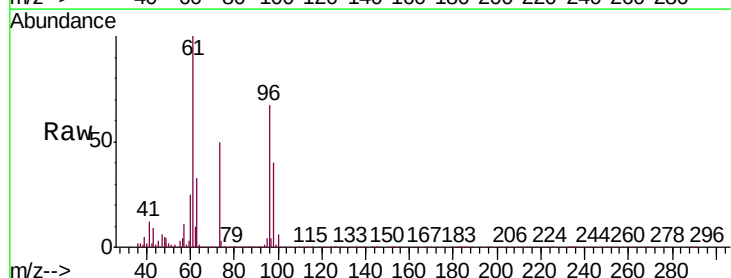
Tgt Ion: 96 Resp: 356724

Ion Ratio Lower Upper

96 100

61 149.2 104.4 194.0

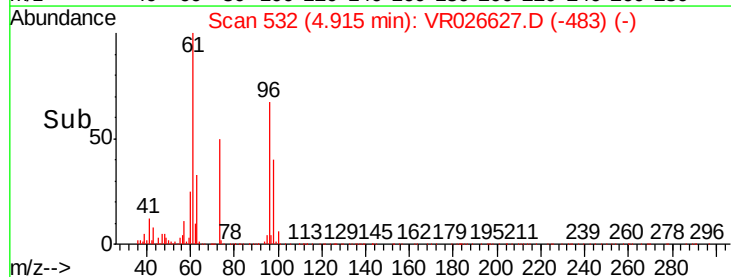
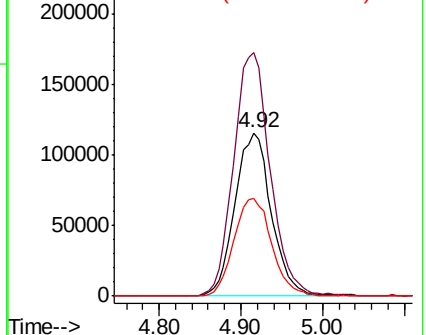
98 59.6 44.2 82.0

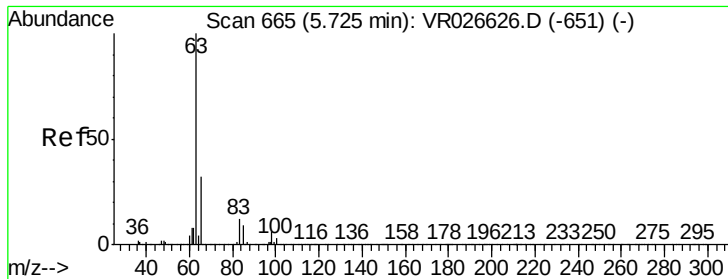


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

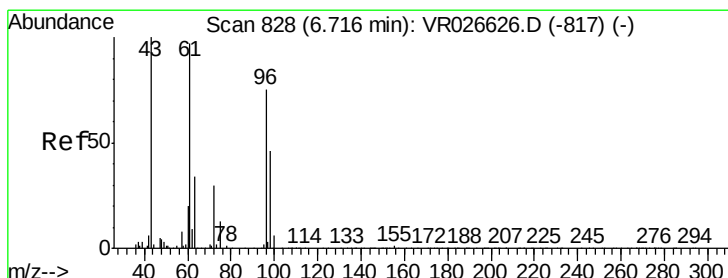
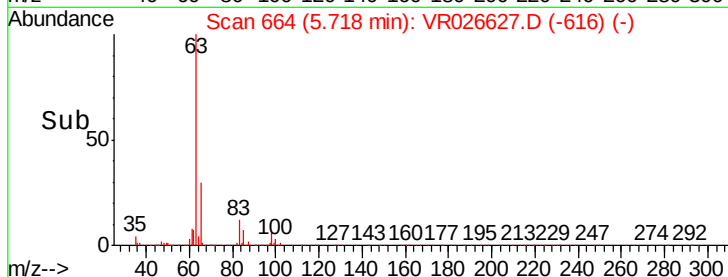
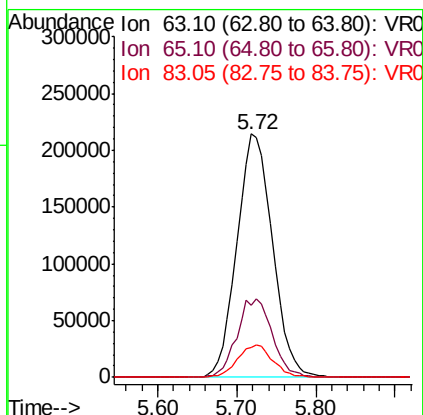
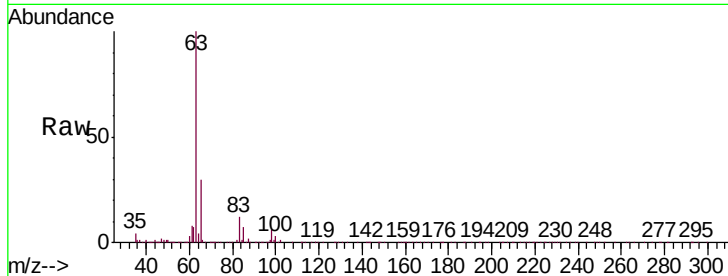




#19
 1,1-Dichloroethane
 Concen: 10.247 ug/L
 RT: 5.72 min Scan# 664
 Delta R.T. -0.01 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

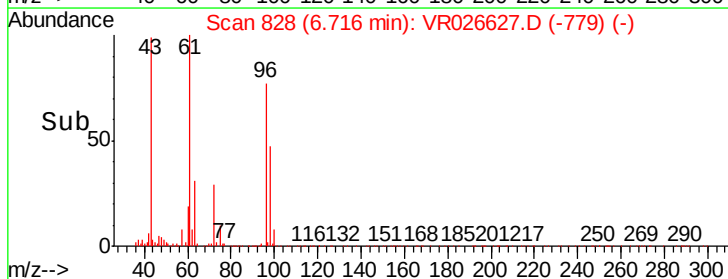
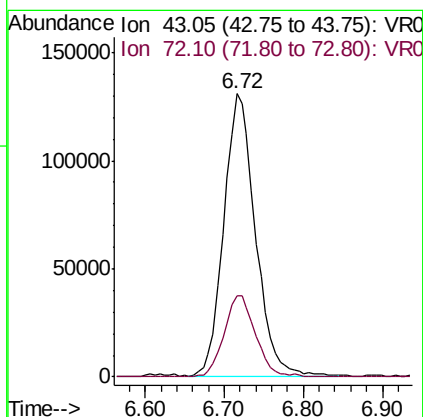
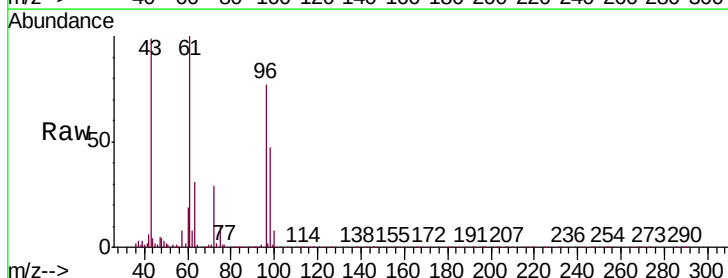
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD01066

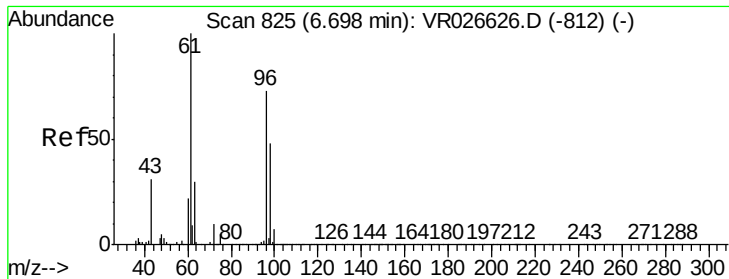
Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.6	22.5	41.9
83	12.1	8.6	16.0



#21
 2-Butanone
 Concen: 105.753 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.9	15.0	45.1



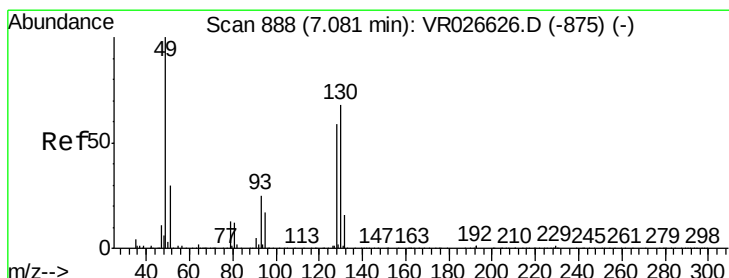
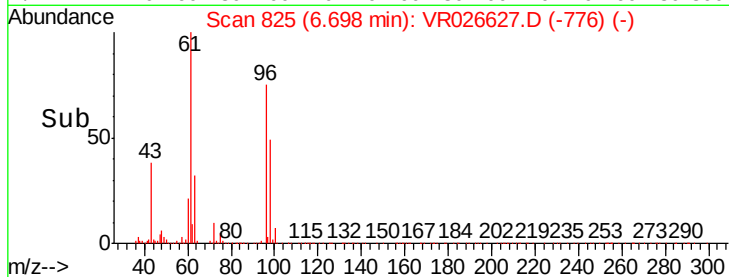
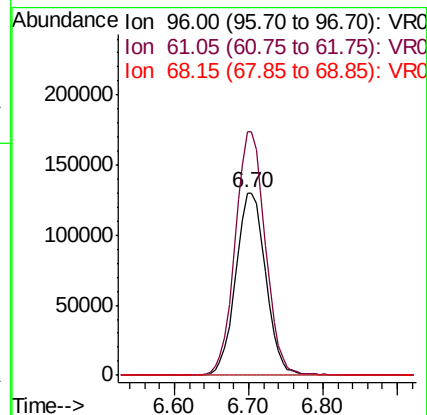
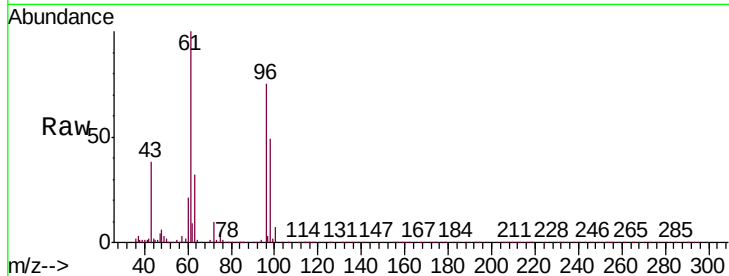


#22

cis-1,2-Dichloroethene
 Concen: 10.871 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01066

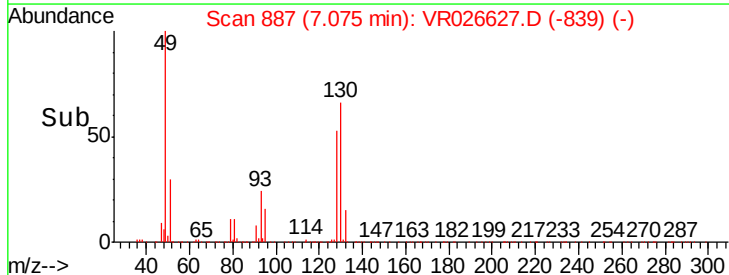
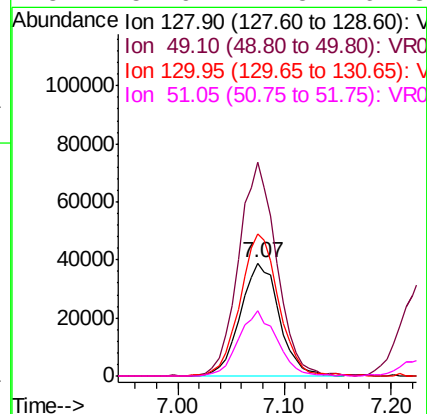
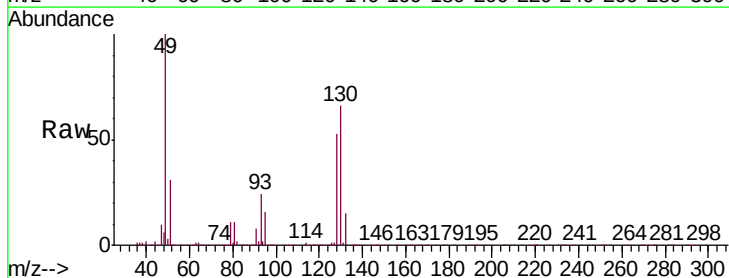
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.5	95.4	177.2
68	0.0	0.0	0.0

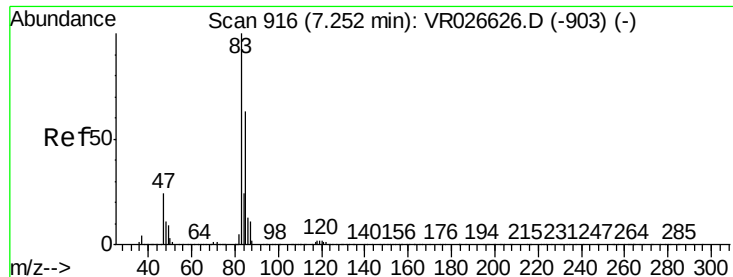


#23

Bromochloromethane
 Concen: 10.865 ug/L
 RT: 7.07 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.9	118.6	220.3
130	125.6	80.6	149.6
51	57.9	41.5	62.3





#25

Chloroform

Concen: 10.108 ug/L

RT: 7.26 min Scan# 917

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampled :

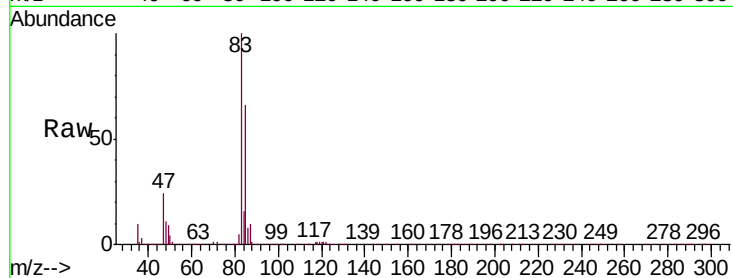
VSTD01066

Tgt Ion: 83 Resp: 607463

Ion Ratio Lower Upper

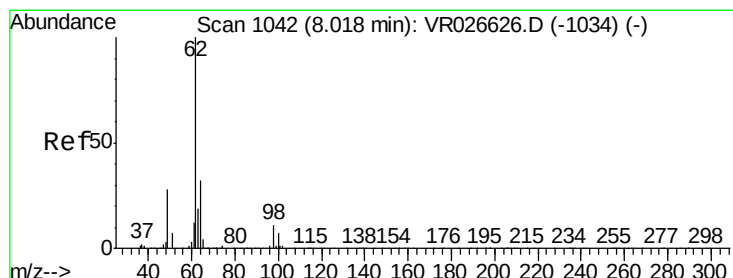
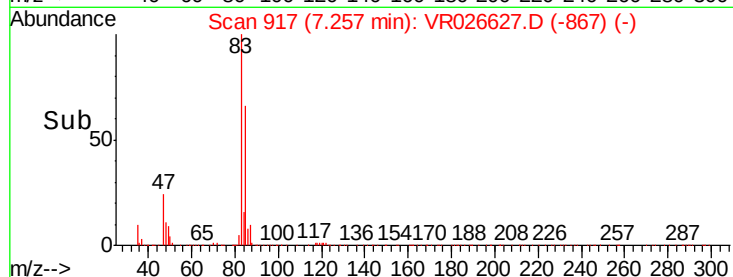
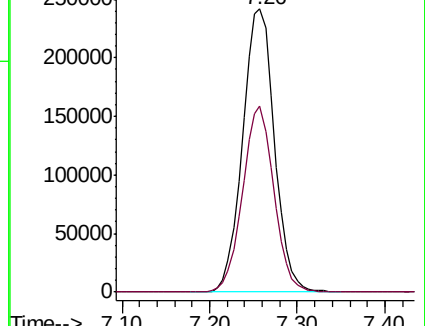
83 100

85 65.7 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 10.689 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VR026627.D

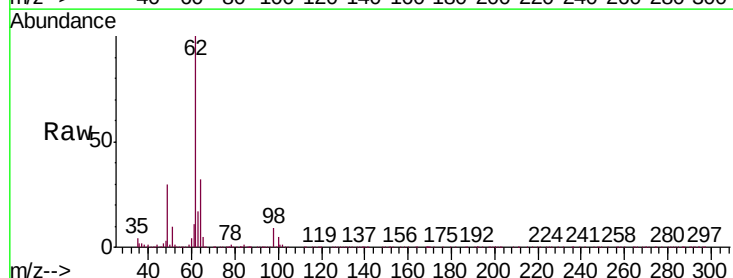
Acq: 12 Sep 2019 19:08

Tgt Ion: 62 Resp: 234128

Ion Ratio Lower Upper

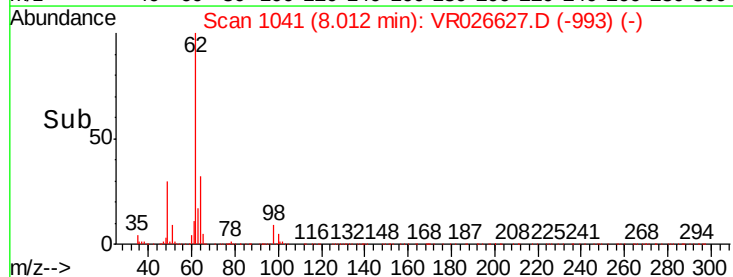
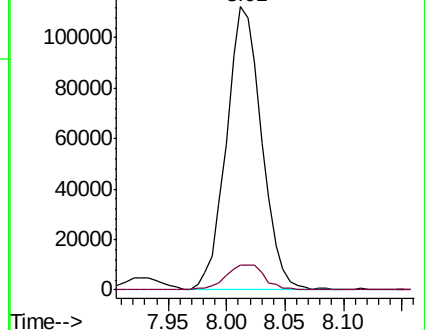
62 100

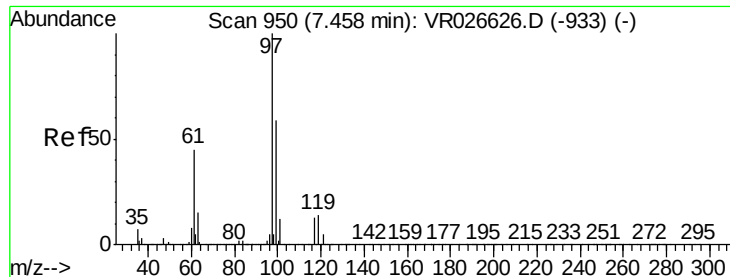
98 8.6 9.0 13.4#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 9.697 ug/L

RT: 7.45 min Scan# 949

Delta R.T. -0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD01066

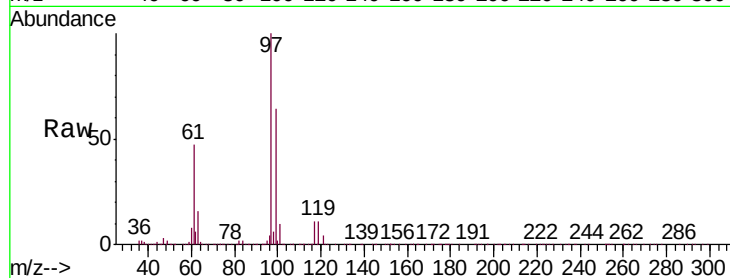
Tgt Ion: 97 Resp: 474396

Ion Ratio Lower Upper

97 100

99 64.6 50.1 75.1

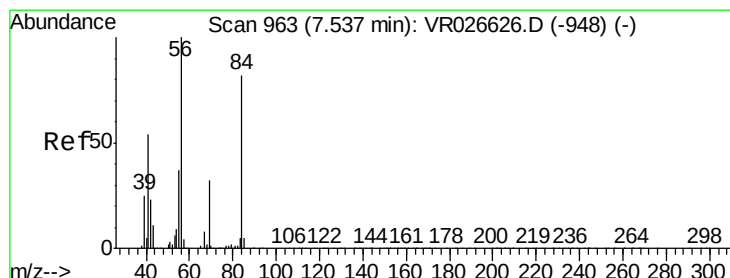
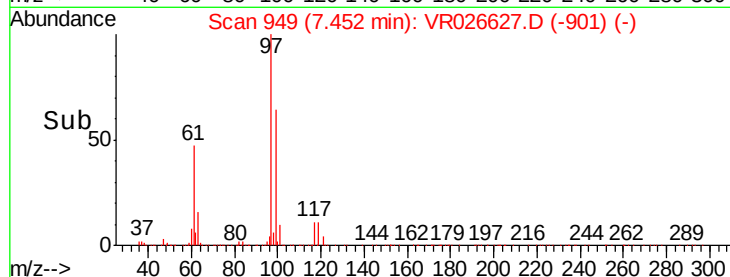
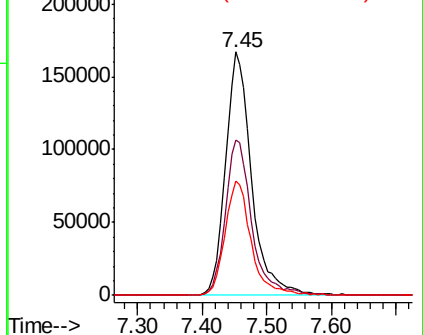
61 47.2 37.8 56.8



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: 10.120 ug/L

RT: 7.54 min Scan# 964

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

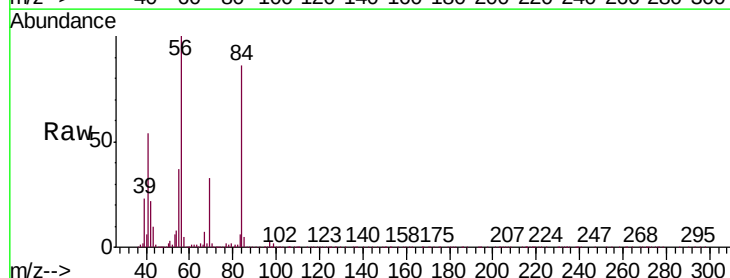
Tgt Ion: 56 Resp: 576036

Ion Ratio Lower Upper

56 100

69 31.3 25.9 38.9

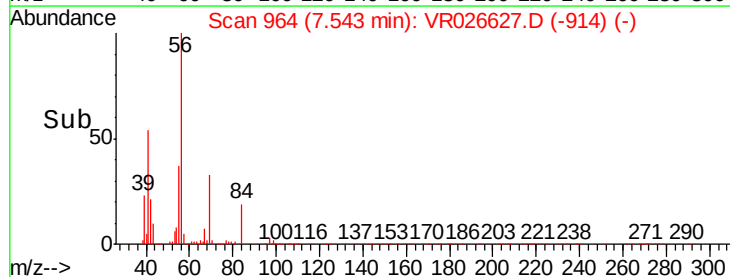
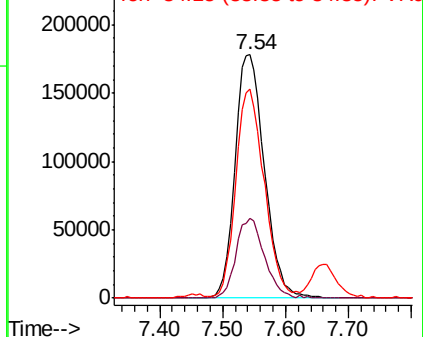
84 83.1 67.6 101.4

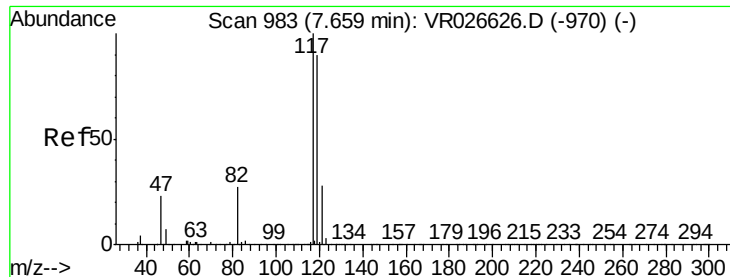


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

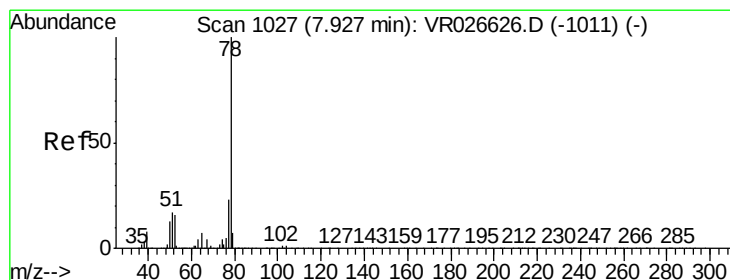
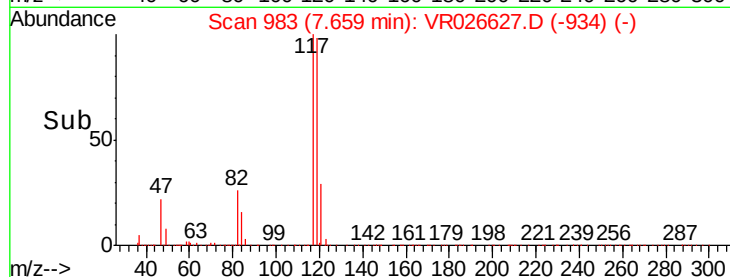
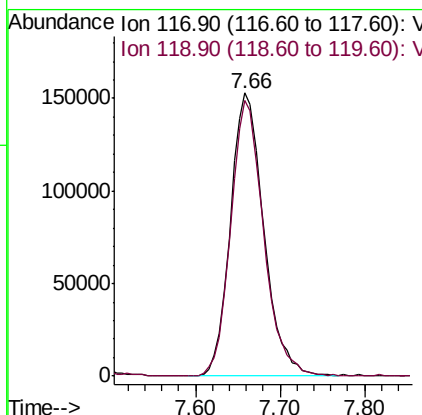
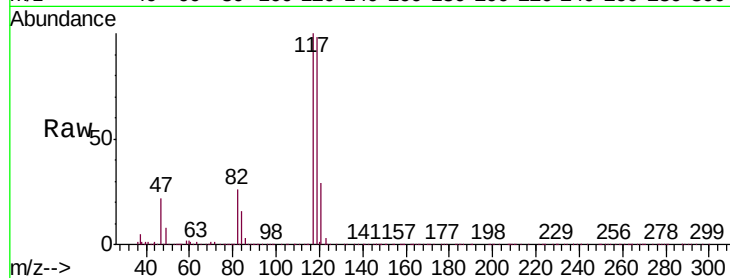




#31
Carbon tetrachloride
Concen: 10.041 ug/L
RT: 7.66 min Scan# 983
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

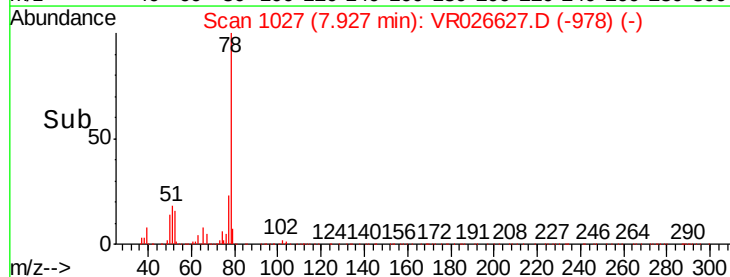
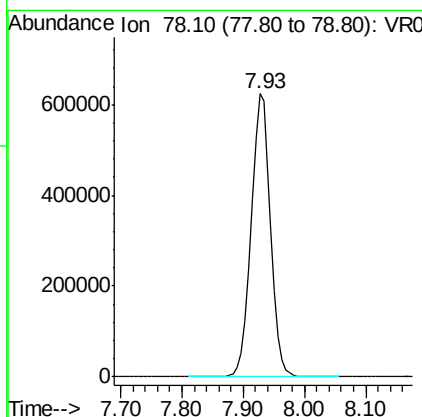
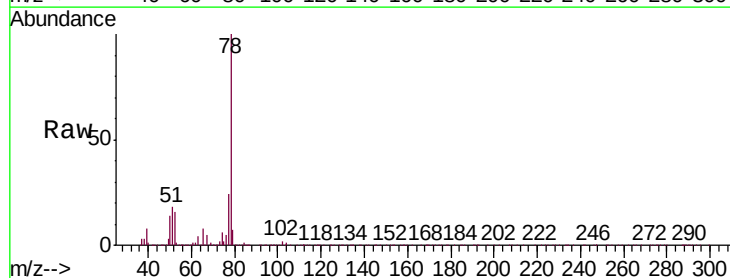
Instrument :
MSVOA_R
ClientSampleId :
VSTD01066

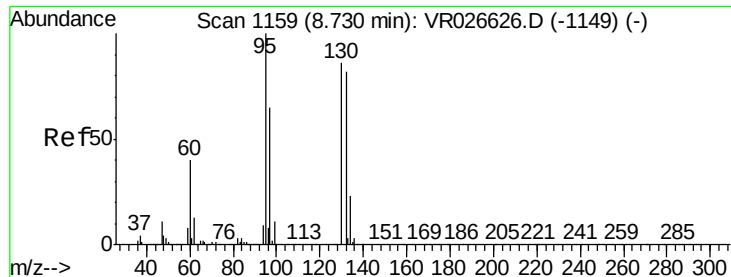
Tgt Ion:117 Resp: 407247
Ion Ratio Lower Upper
117 100
119 96.4 76.6 115.0



#33
Benzene
Concen: 9.784 ug/L
RT: 7.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

Tgt Ion: 78 Resp: 1385814





#34

Trichloroethene

Concen: 9.755 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD01066

Tgt Ion: 95 Resp: 342010

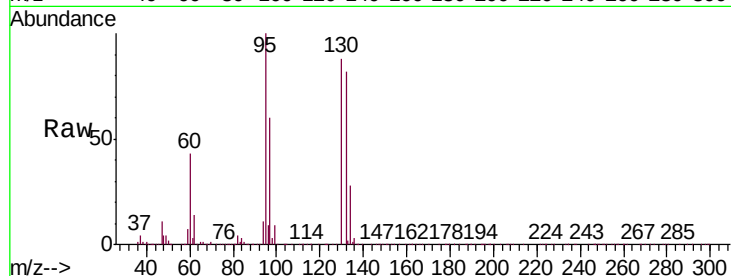
Ion Ratio Lower Upper

95 100

97 60.2 45.6 84.6

132 81.6 57.3 106.5

130 87.7 60.1 111.5



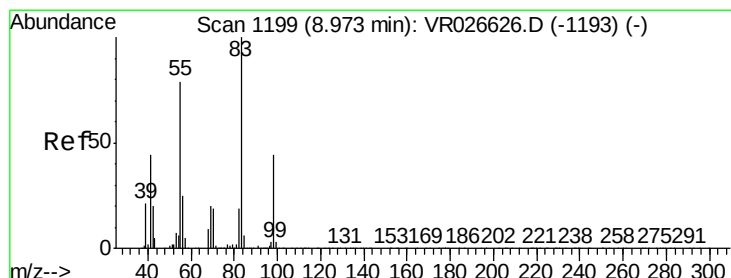
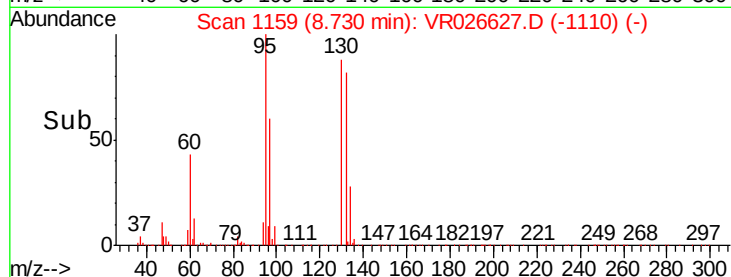
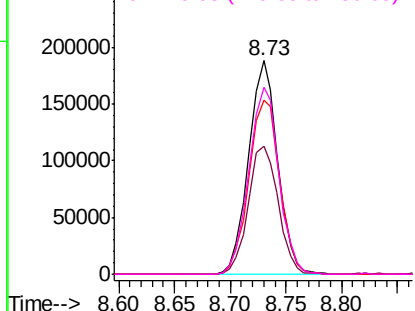
Abundance

Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.283 ug/L

RT: 8.98 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

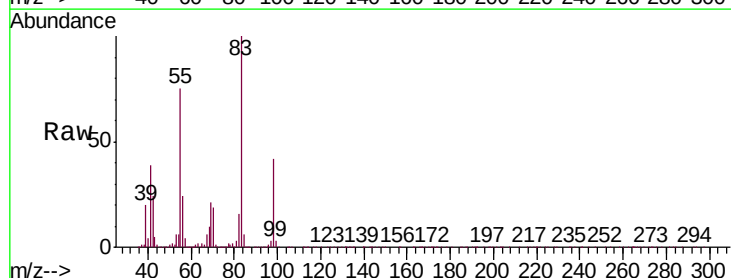
Tgt Ion: 83 Resp: 544375

Ion Ratio Lower Upper

83 100

55 80.0 63.5 95.3

98 43.5 35.4 53.0

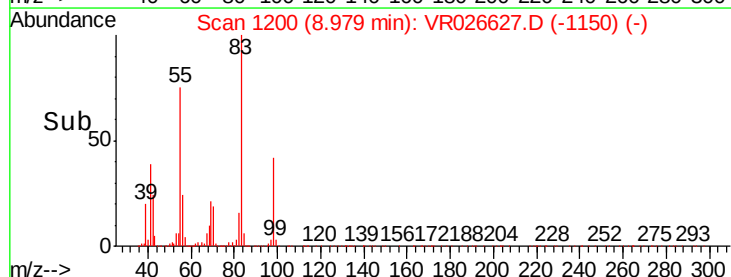
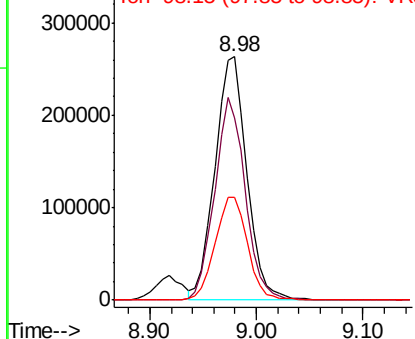


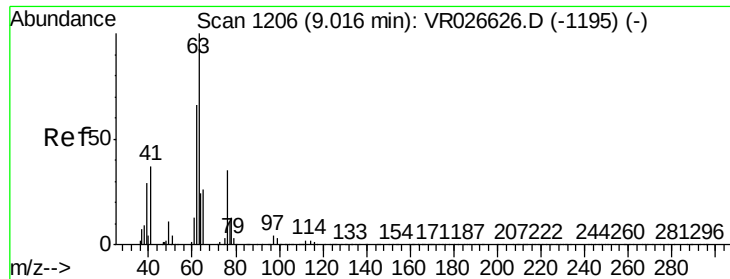
Abundance

Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

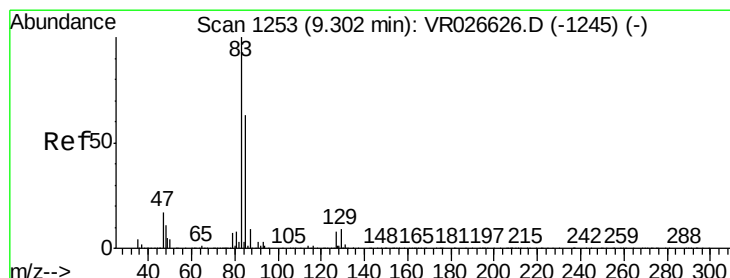
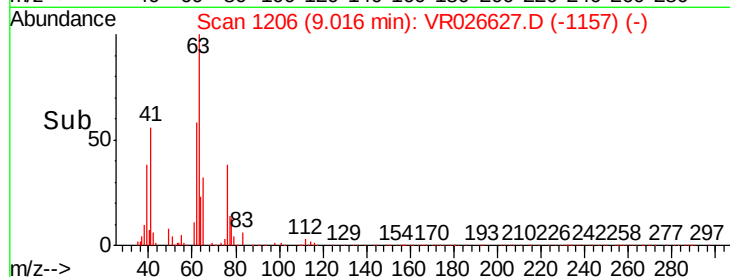
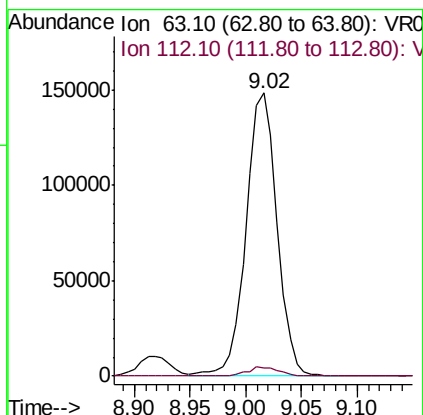
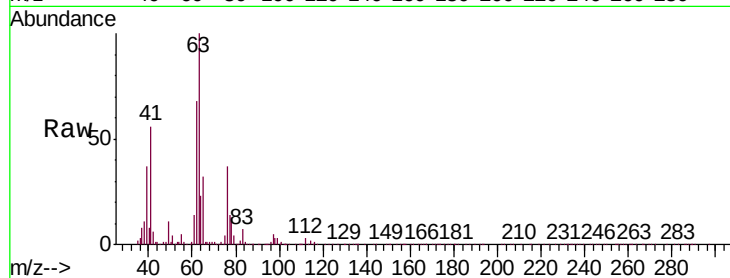




#37
 1,2-Dichloropropane
 Concen: 10.126 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

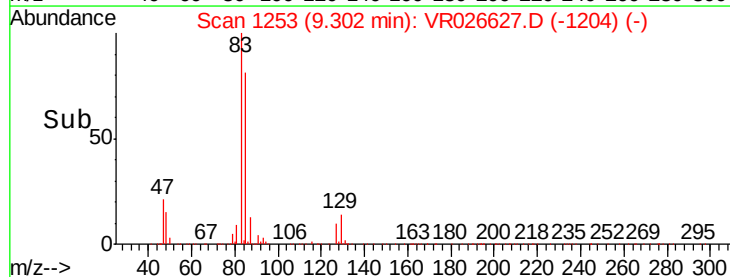
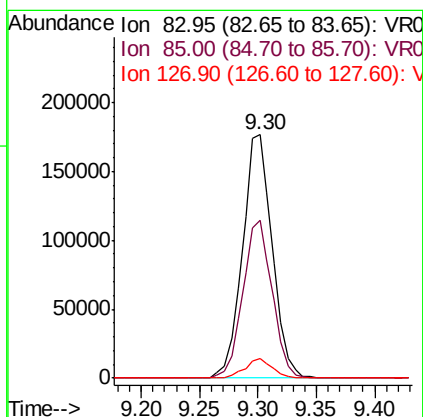
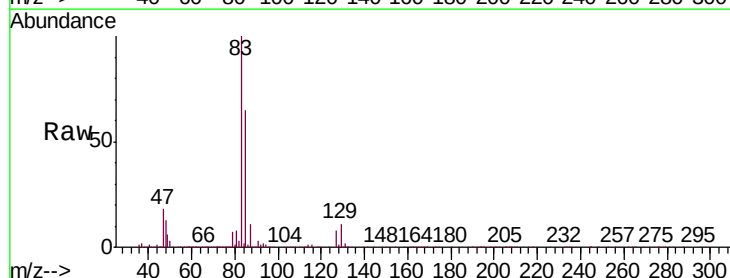
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01066

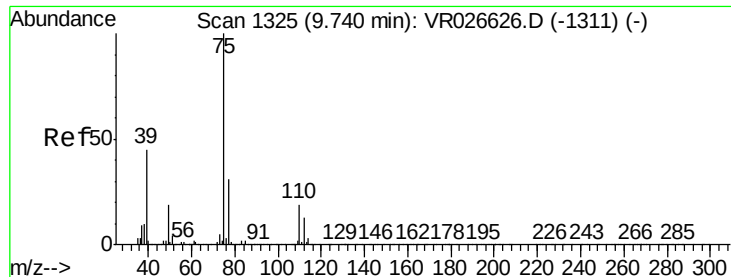
Tgt Ion: 63 Resp: 286351
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 10.676 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion: 83 Resp: 312327
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.0 81.8
 127 8.0 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 11.114 ug/L

RT: 9.73 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

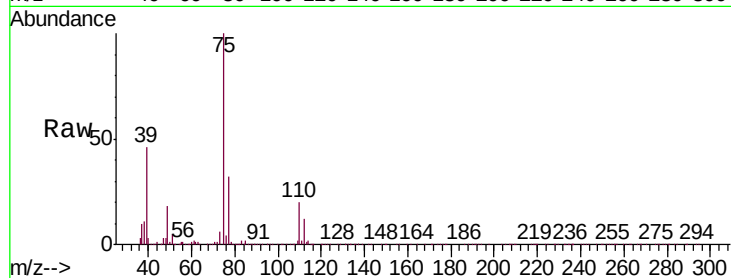
VSTD01066

Tgt Ion: 75 Resp: 341172

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.73

200000

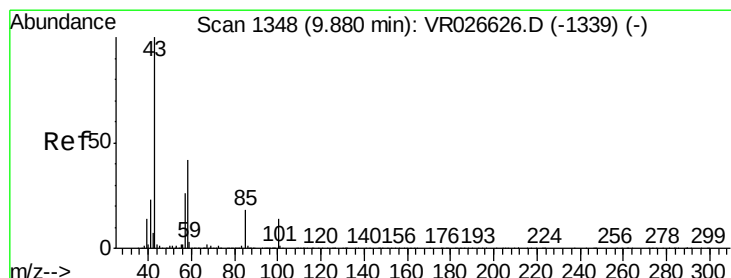
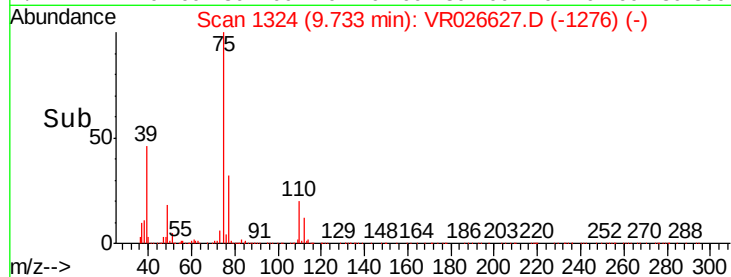
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 103.737 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

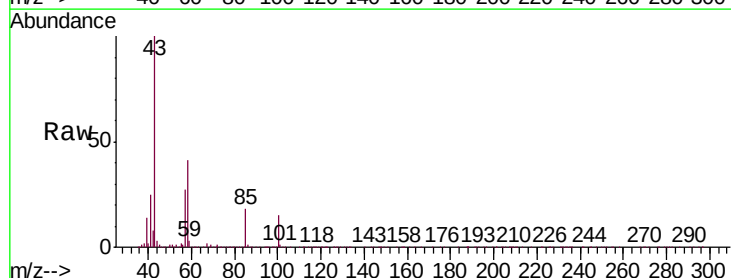
Tgt Ion: 43 Resp: 823632

Ion Ratio Lower Upper

43 100

58 41.7 32.6 48.8

100 14.9 11.7 17.5



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

9.88

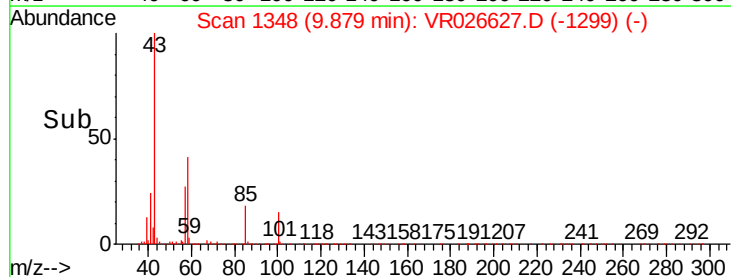
600000

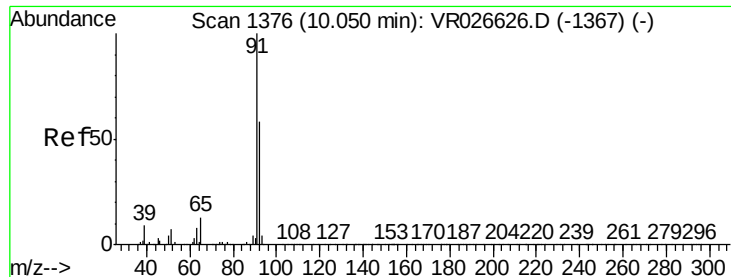
400000

200000

0

Time-->





#42

Toluene

Concen: 10.261 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

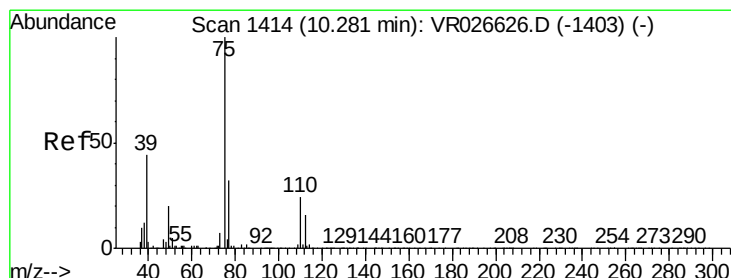
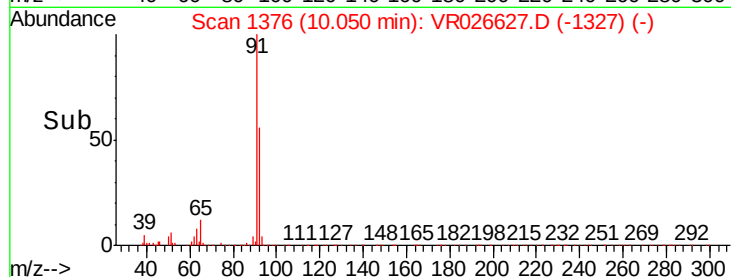
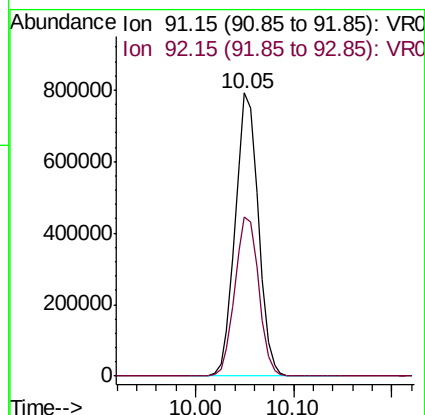
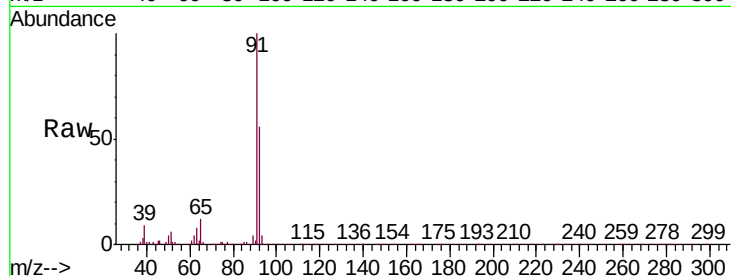
VSTD01066

Tgt Ion: 91 Resp: 1301473

Ion Ratio Lower Upper

91 100

92 56.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 11.331 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026627.D

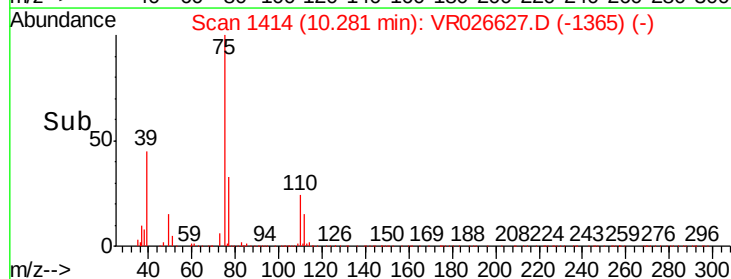
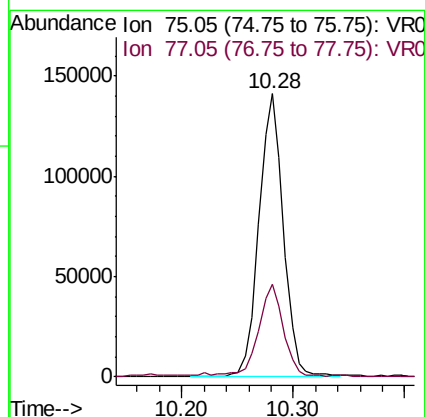
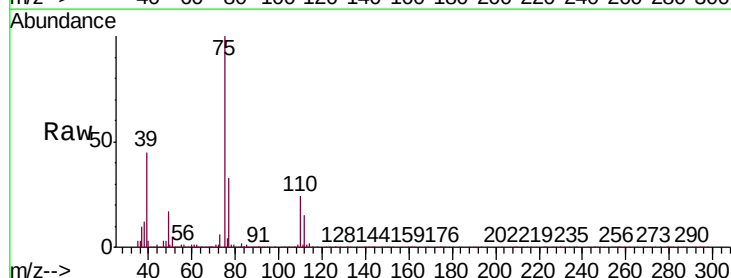
Acq: 12 Sep 2019 19:08

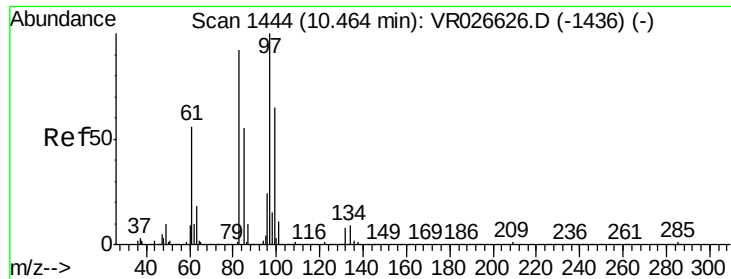
Tgt Ion: 75 Resp: 215519

Ion Ratio Lower Upper

75 100

77 32.7 23.1 42.9

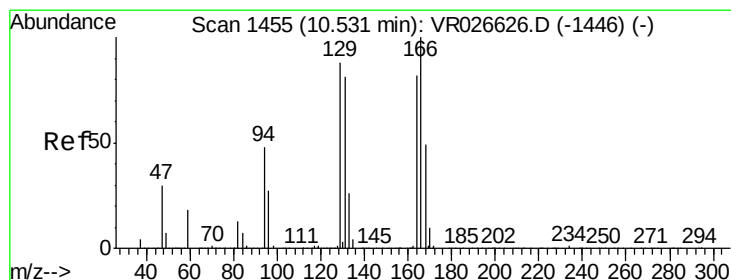
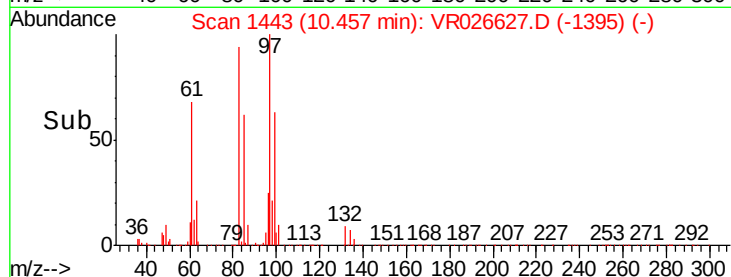
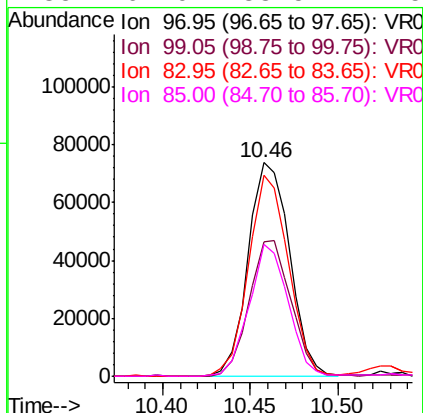
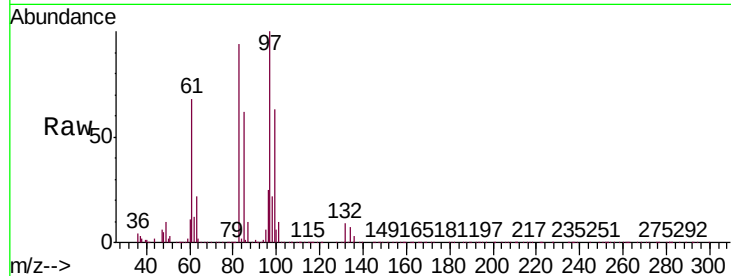




#45
 1,1,2-Trichloroethane
 Concen: 10.211 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

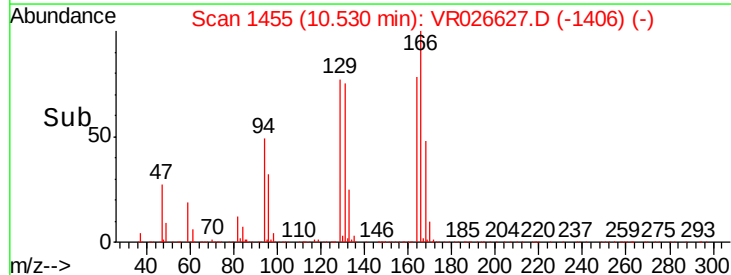
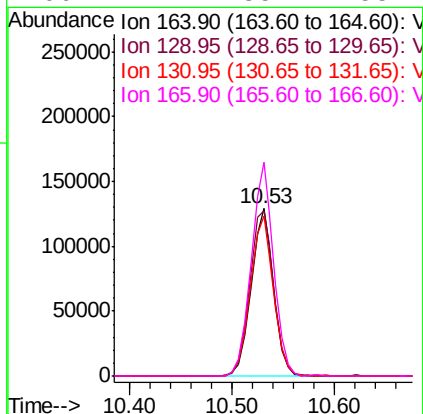
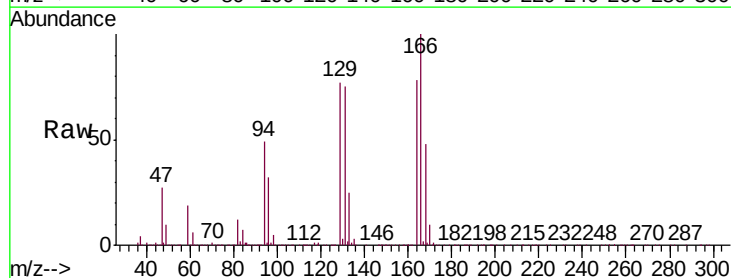
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD01066

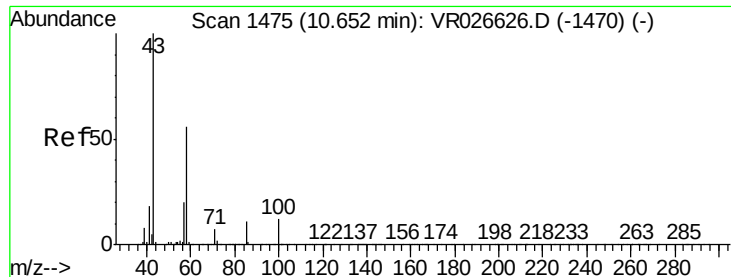
Tgt Ion:	97	Resp:	121021
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.6	84.6
83	94.1	64.5	119.9
85	62.0	38.5	71.5



#47
 Tetrachloroethene
 Concen: 9.964 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion:	164	Resp:	196965
Ion	Ratio	Lower	Upper
164	100		
129	98.2	74.8	139.0
131	95.5	69.1	128.3
166	127.4	85.2	158.2

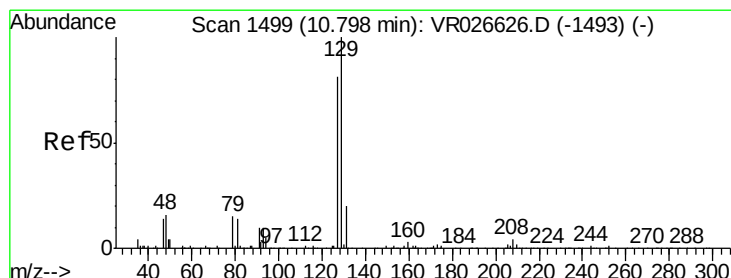
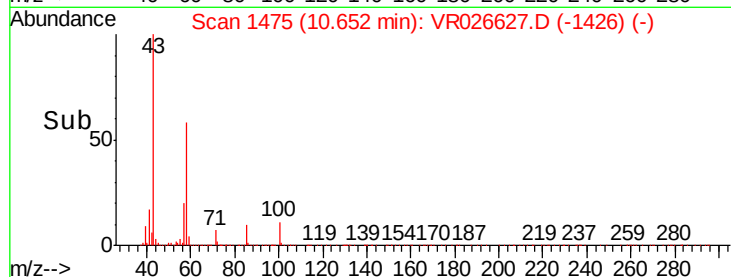
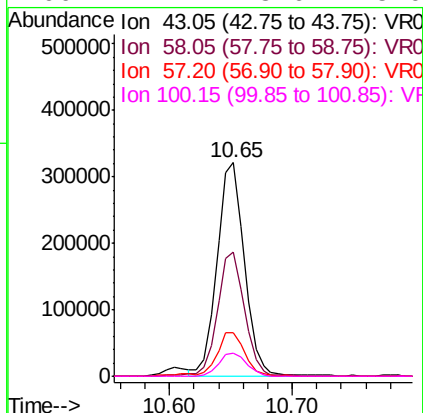
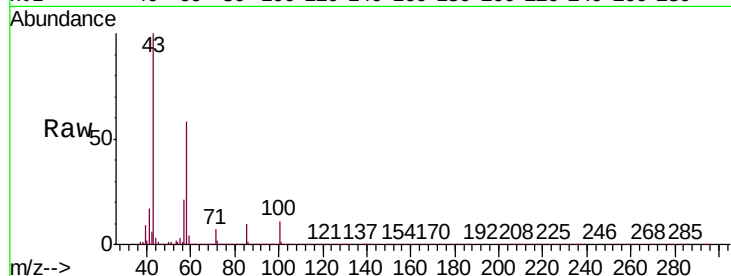




#48
2-Hexanone
Concen: 103.529 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

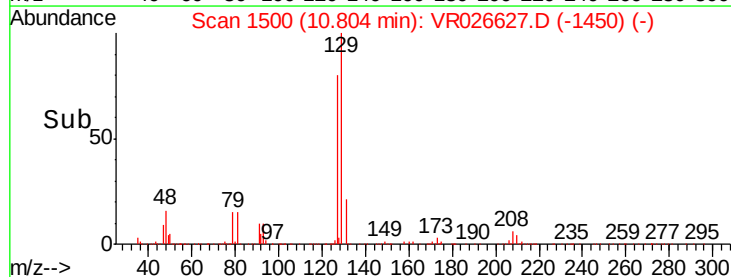
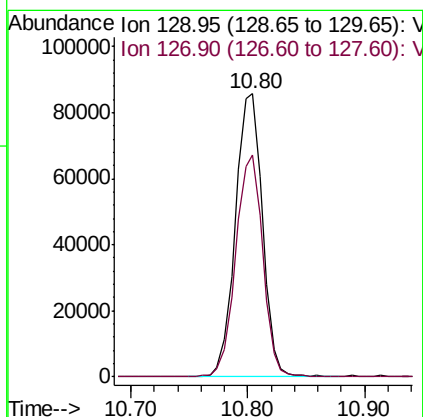
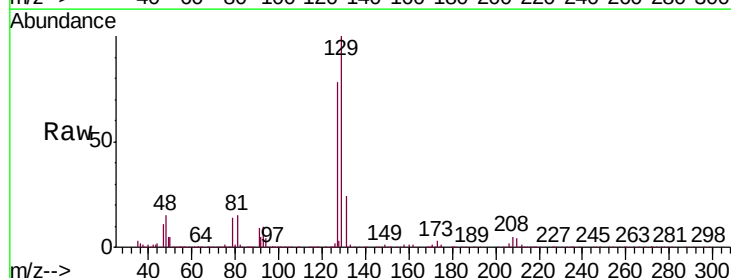
Instrument :
MSVOA_R
ClientSampleId :
VSTD01066

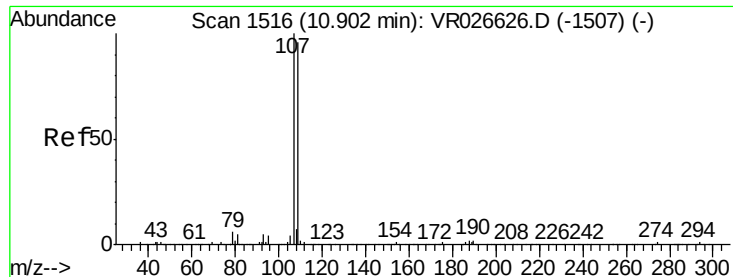
Tgt Ion:	43	Resp:	497074
Ion	Ratio	Lower	Upper
43	100		
58	58.5	46.4	69.6
57	21.9	16.7	25.1
100	11.1	8.6	13.0



#49
Dibromochloromethane
Concen: 11.142 ug/L
RT: 10.80 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

Tgt Ion:	129	Resp:	138906
Ion	Ratio	Lower	Upper
129	100		
127	78.2	57.0	105.9

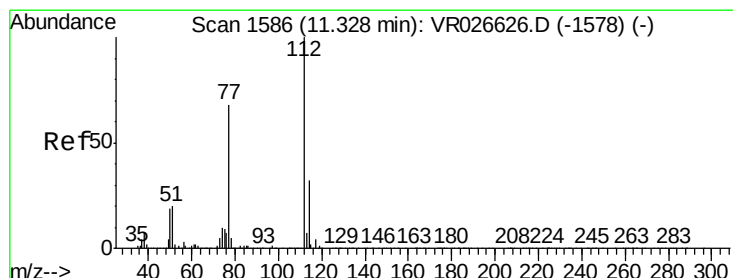
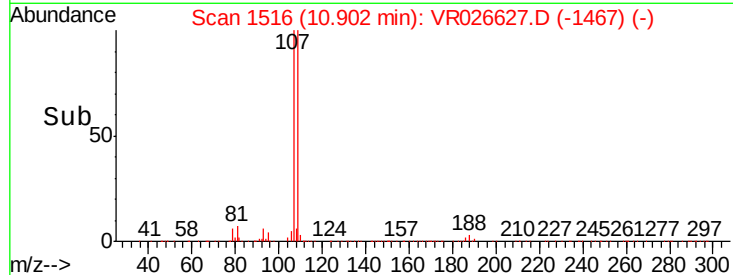
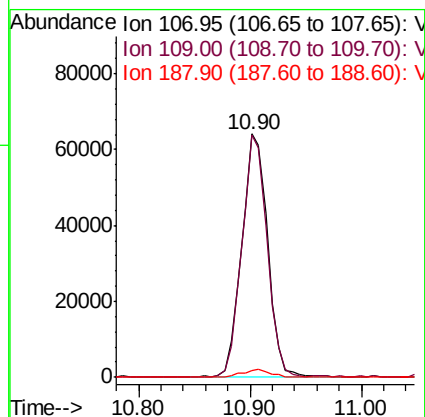
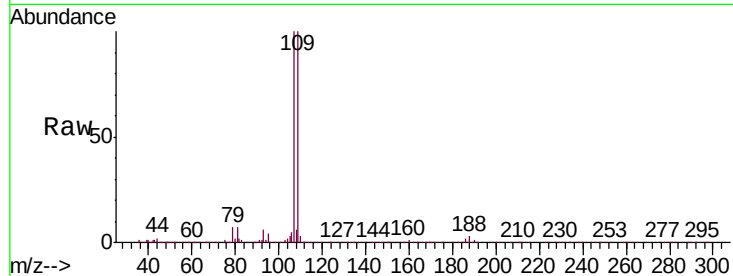




#50
1,2-Dibromoethane
Concen: 10.407 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

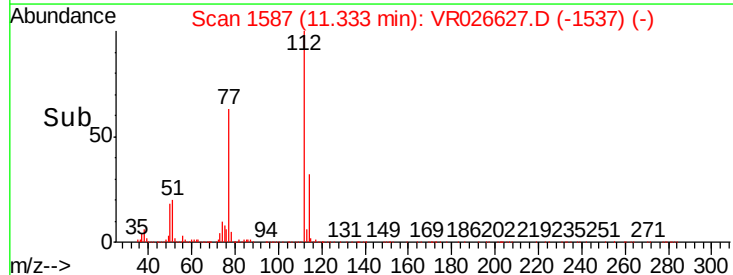
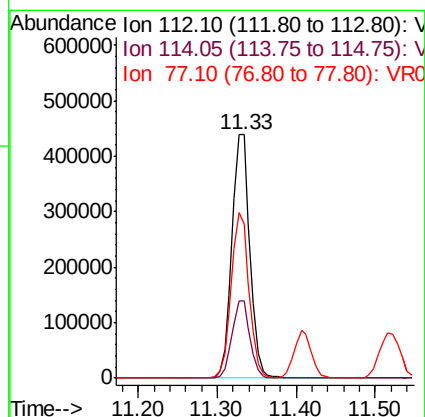
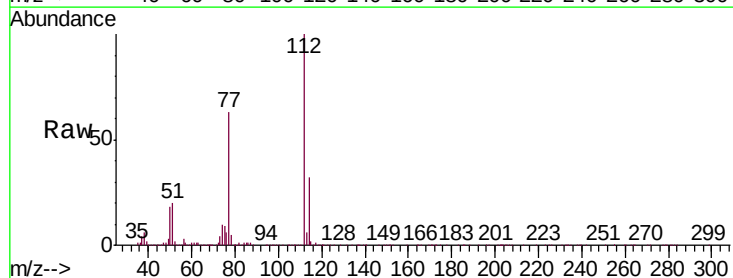
Instrument :
MSVOA_R
ClientSampleId :
VSTD01066

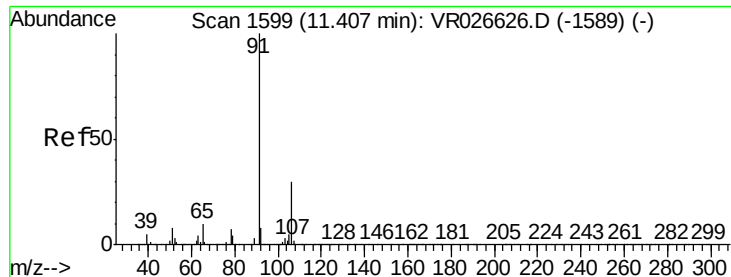
Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.6	67.2	124.8
188	2.9	1.8	2.8#



#51
Chlorobenzene
Concen: 10.183 ug/L
RT: 11.33 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.1
77	63.4	54.0	81.0





#52

Ethylbenzene

Concen: 10.291 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

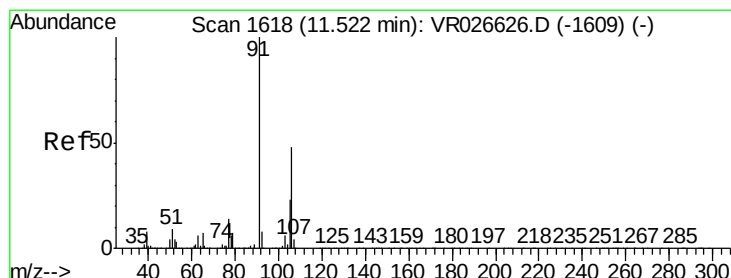
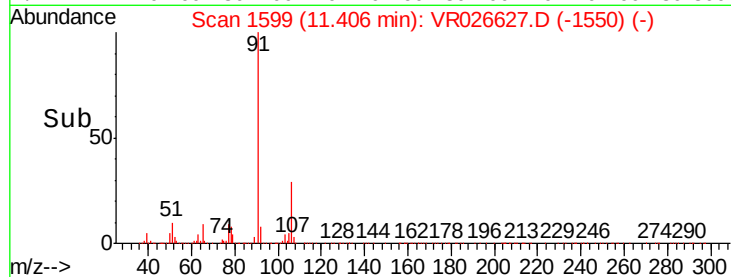
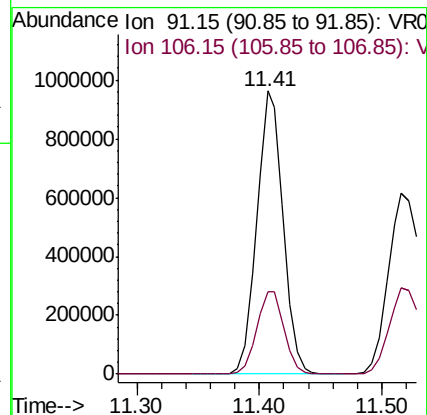
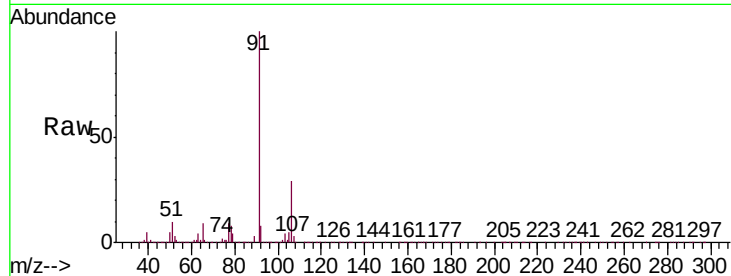
VSTD01066

Tgt Ion: 91 Resp: 1435520

Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



#53

m,p-Xylene

Concen: 10.306 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026627.D

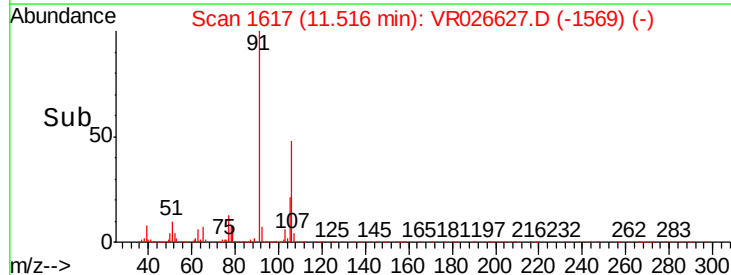
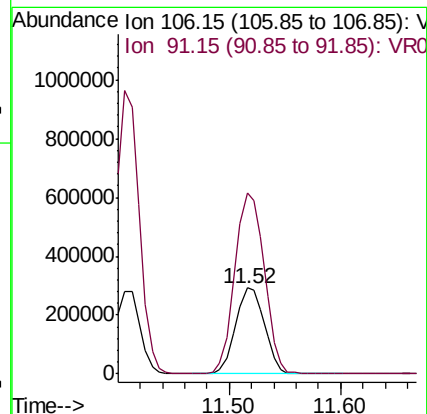
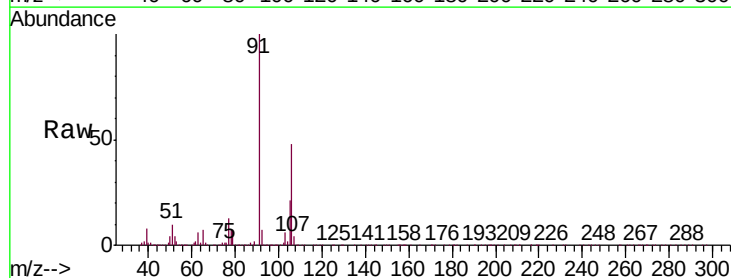
Acq: 12 Sep 2019 19:08

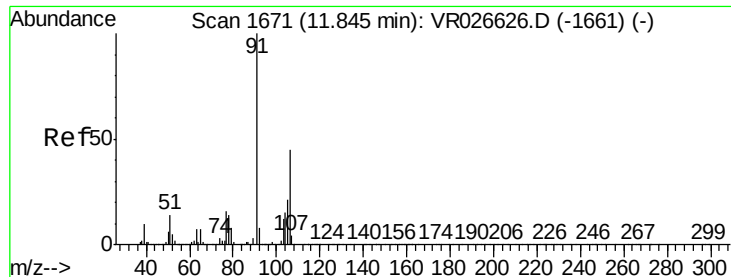
Tgt Ion: 106 Resp: 525308

Ion Ratio Lower Upper

106 100

91 209.8 146.5 272.1

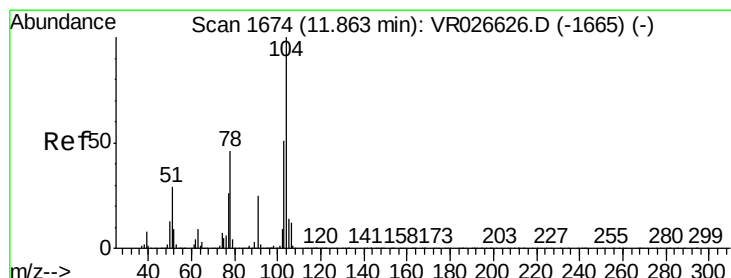
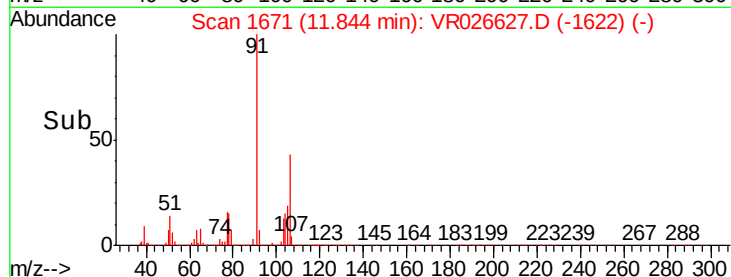
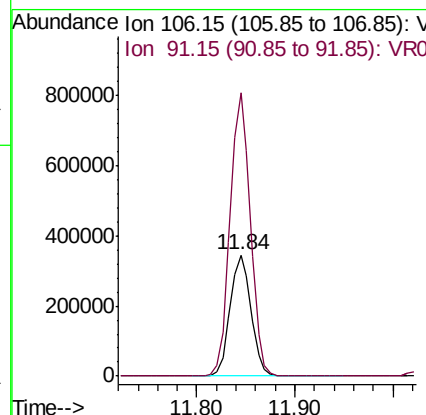
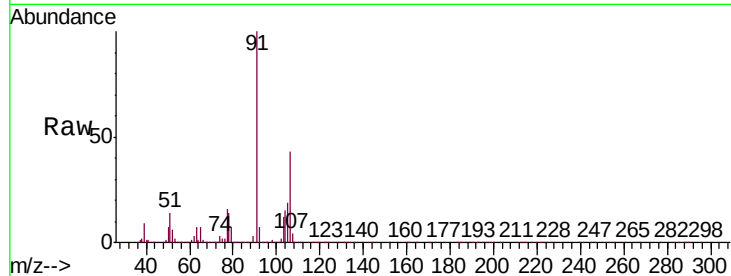




#54
o-Xylene
Concen: 10.254 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

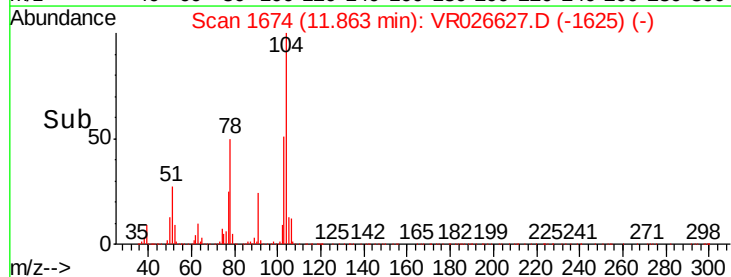
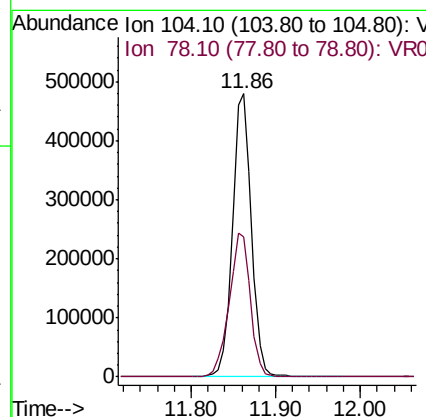
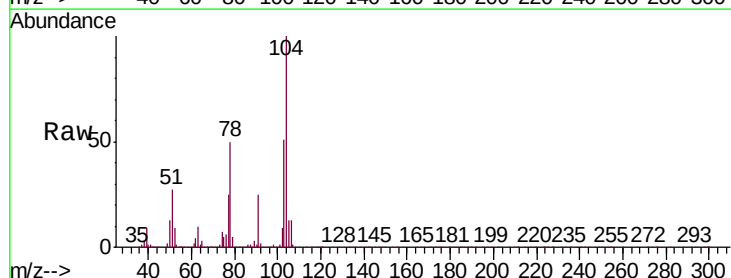
Instrument :
MSVOA_R
ClientSampleId :
VSTD01066

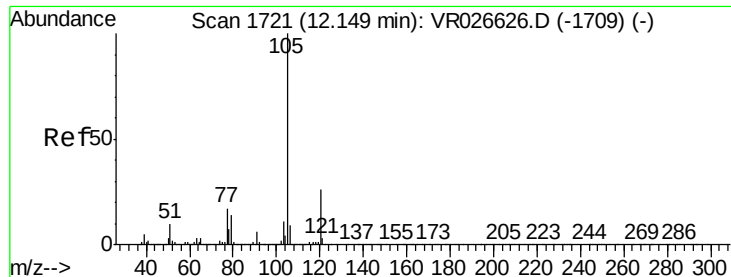
Tgt Ion:106 Resp: 510687
Ion Ratio Lower Upper
106 100
91 234.1 154.3 286.5



#55
Styrene
Concen: 10.601 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VR026627.D
Acq: 12 Sep 2019 19:08

Tgt Ion:104 Resp: 733460
Ion Ratio Lower Upper
104 100
78 49.7 32.5 60.3





#56

Isopropylbenzene

Concen: 10.495 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampled :

VSTD01066

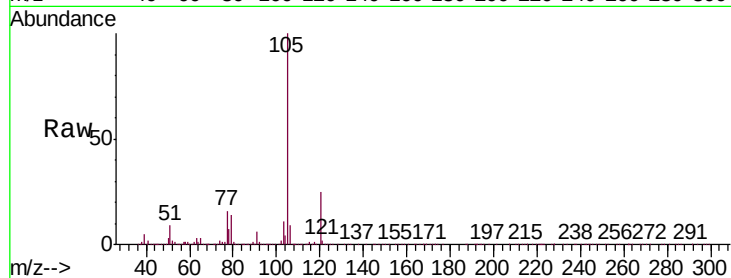
Tgt Ion: 105 Resp: 1452160

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

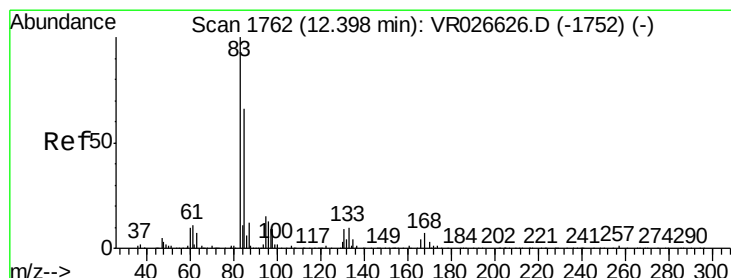
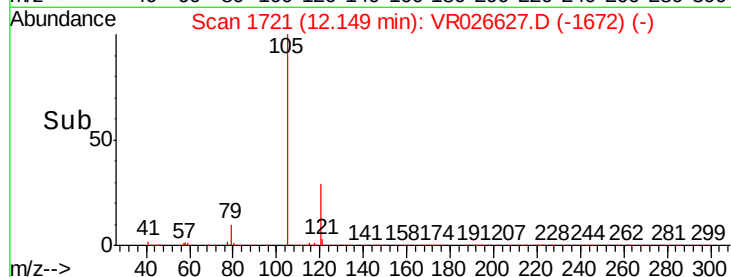
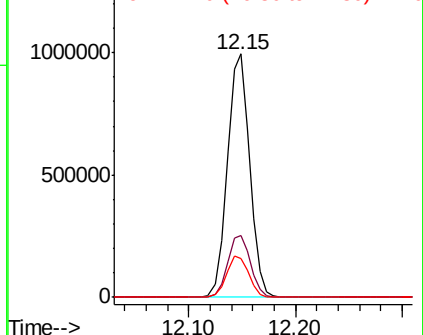
77 17.0 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 10.537 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

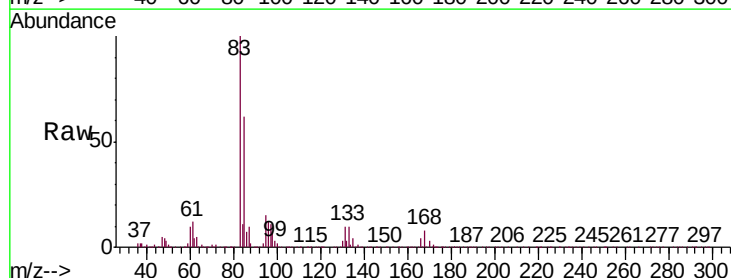
Tgt Ion: 83 Resp: 141834

Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.7

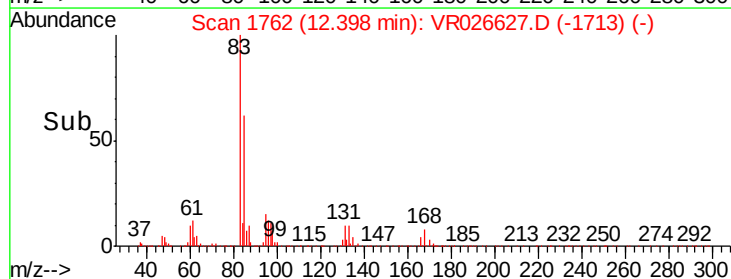
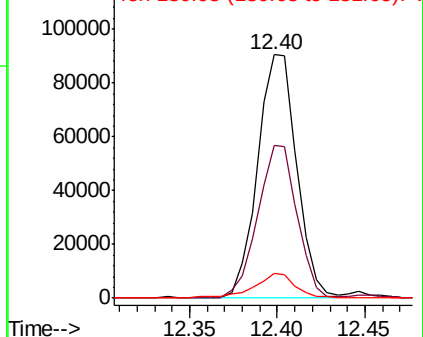
131 10.1 6.8 10.2

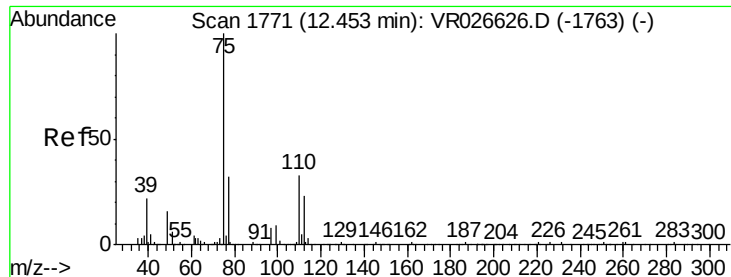


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

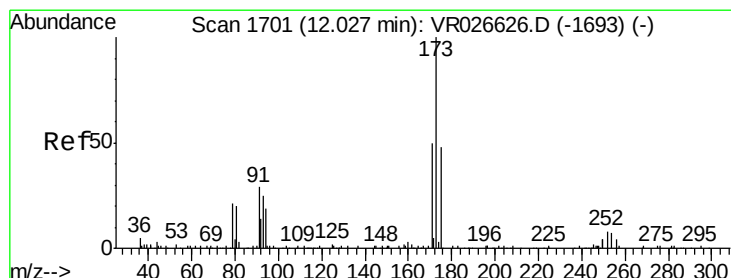
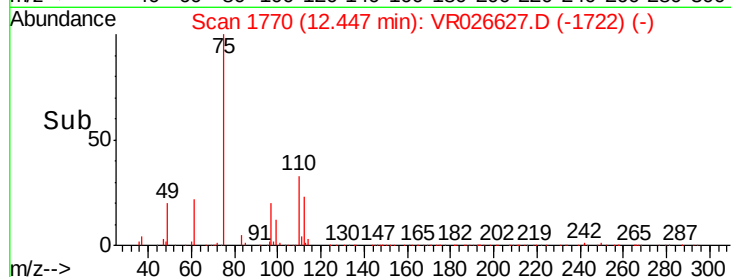
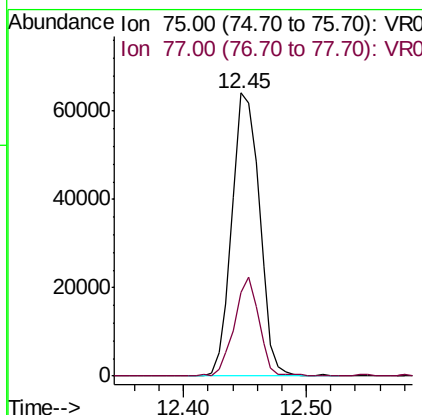
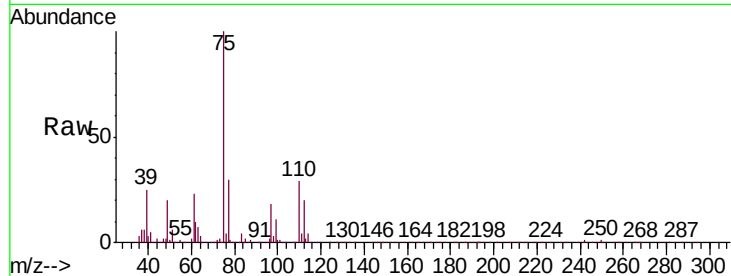




#59
 1,2,3-Trichloropropane
 Concen: 10.086 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

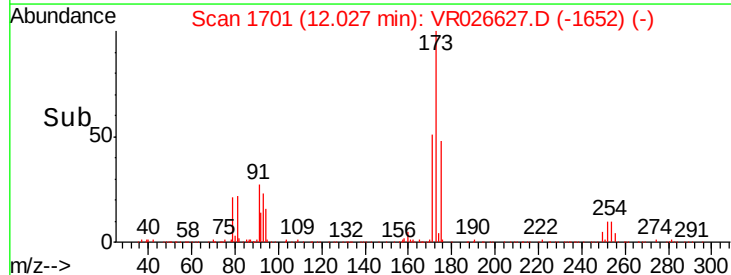
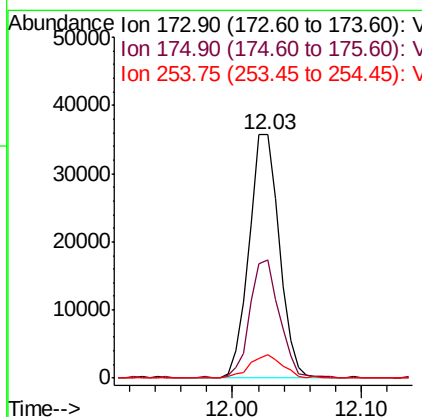
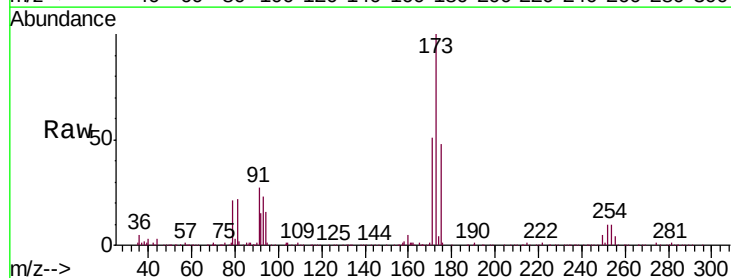
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01066

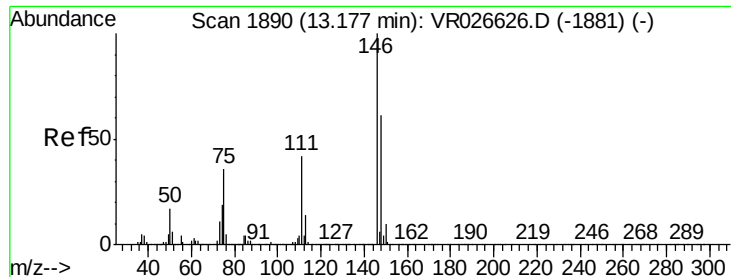
Tgt Ion: 75 Resp: 99433
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6



#61
 Bromoform
 Concen: 11.323 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion: 173 Resp: 57839
 Ion Ratio Lower Upper
 173 100
 175 47.3 40.2 60.2
 254 10.4 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 10.284 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD01066

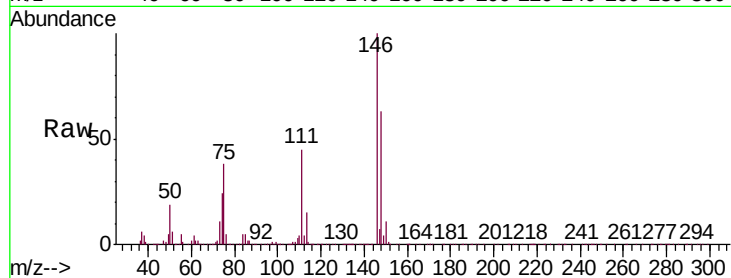
Tgt Ion:146 Resp: 490695

Ion Ratio Lower Upper

146 100

111 44.7 29.5 54.9

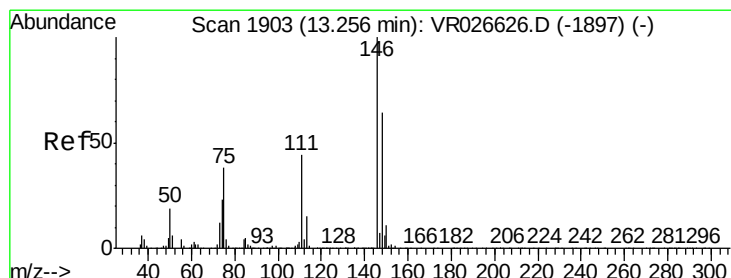
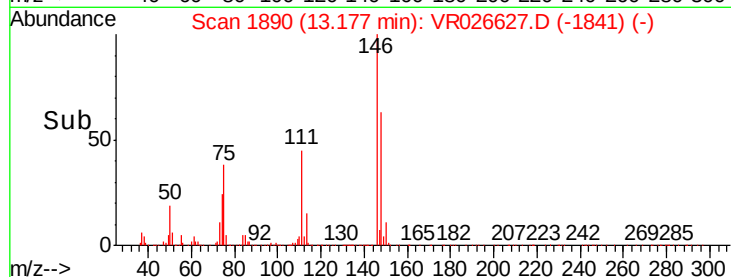
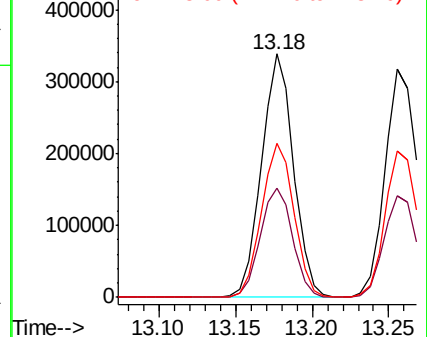
148 63.2 42.8 79.4



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: 10.050 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

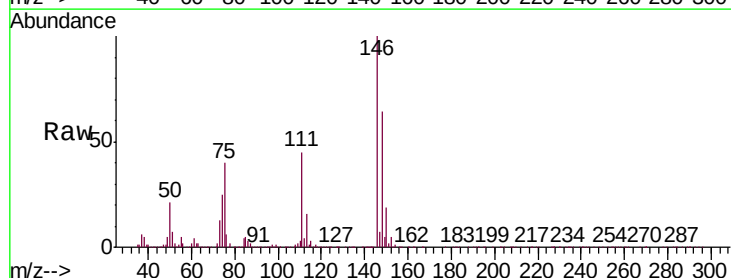
Tgt Ion:146 Resp: 461186

Ion Ratio Lower Upper

146 100

111 44.6 31.1 57.9

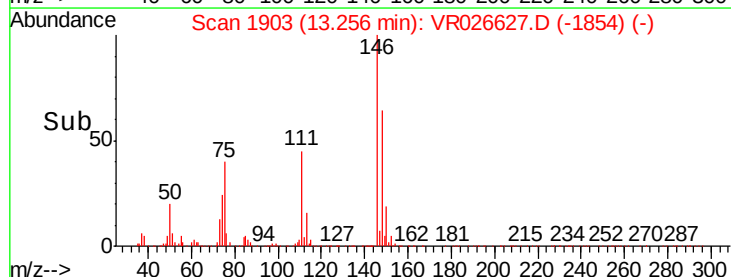
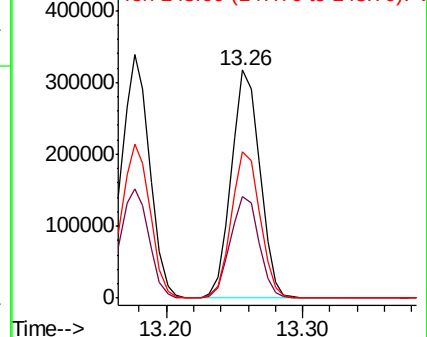
148 64.2 44.6 82.8

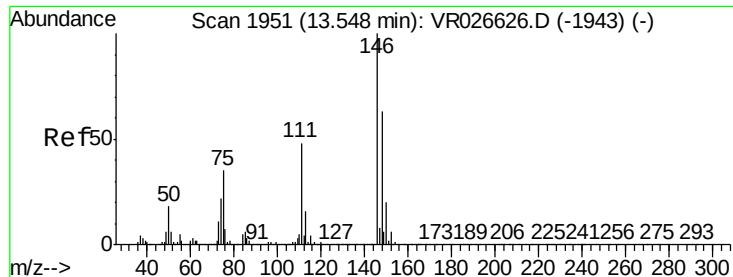


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

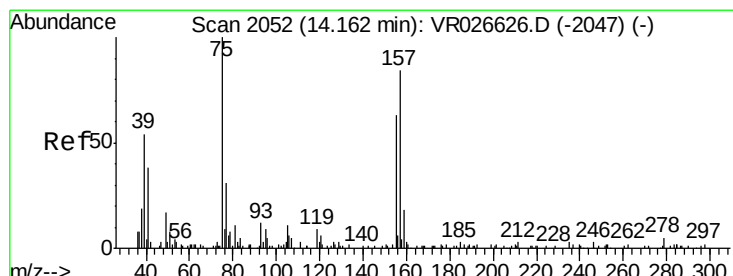
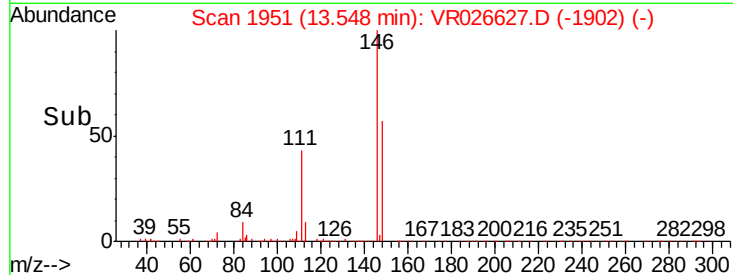
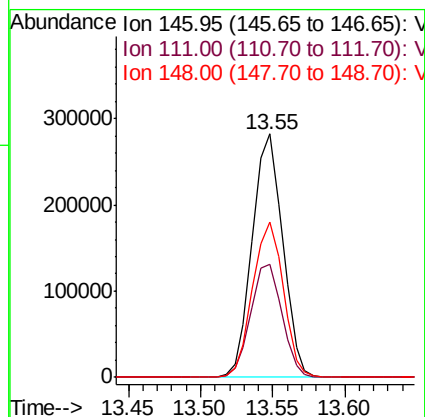
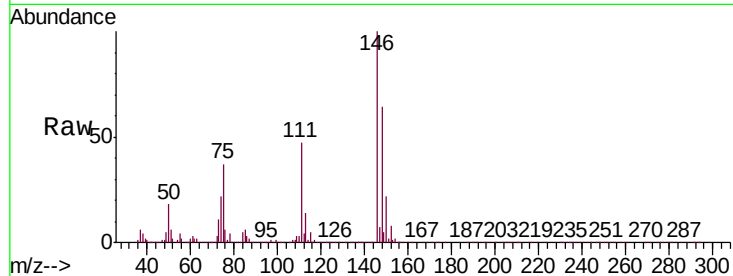




#65
 1,2-Dichlorobenzene
 Concen: 10.402 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

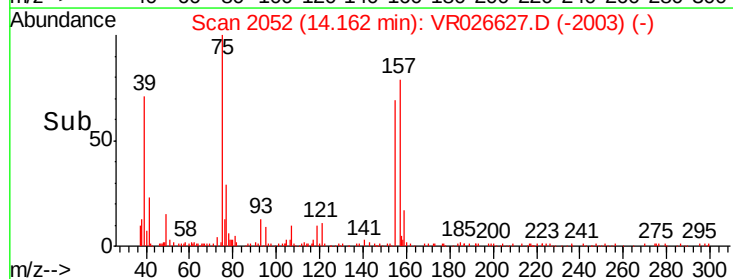
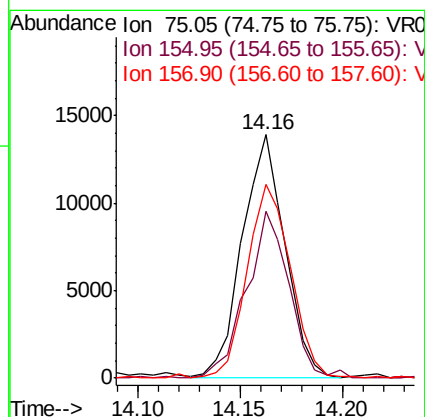
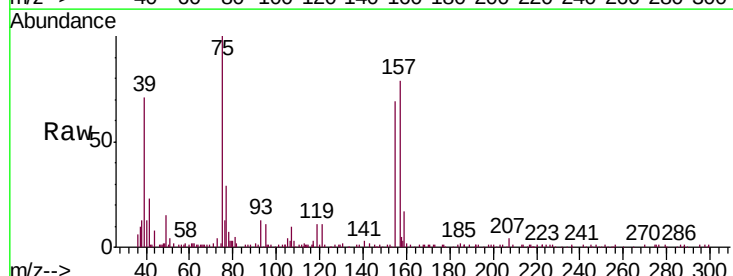
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01066

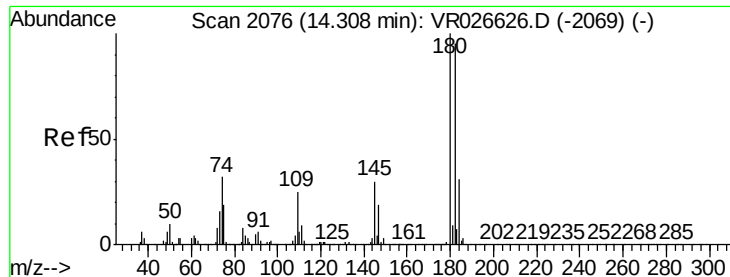
Tgt Ion: 146 Resp: 411740
 Ion Ratio Lower Upper
 146 100
 111 46.6 38.2 57.2
 148 63.9 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.136 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion: 75 Resp: 20256
 Ion Ratio Lower Upper
 75 100
 155 68.8 49.4 74.2
 157 79.4 65.2 97.8

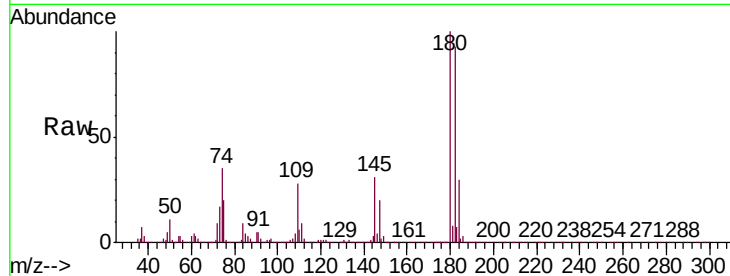




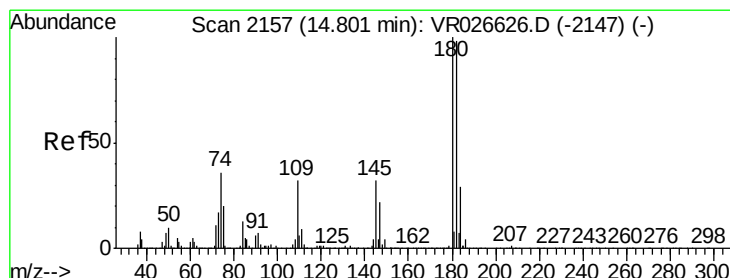
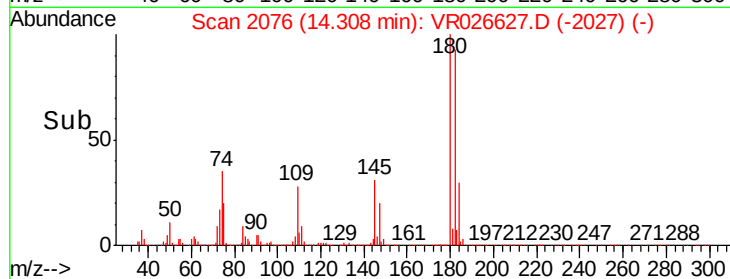
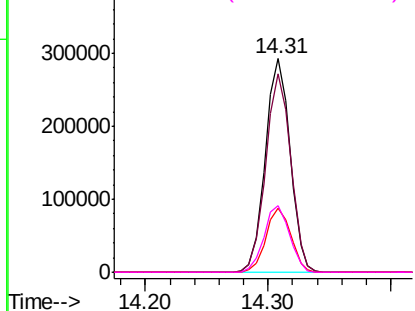
#67
 1,3,5-Trichlorobenzene
 Concen: 10.757 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01066

Tgt Ion:	180	Resp:	413105
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.3	114.5
184	30.3	24.4	36.6
145	32.2	25.1	37.7

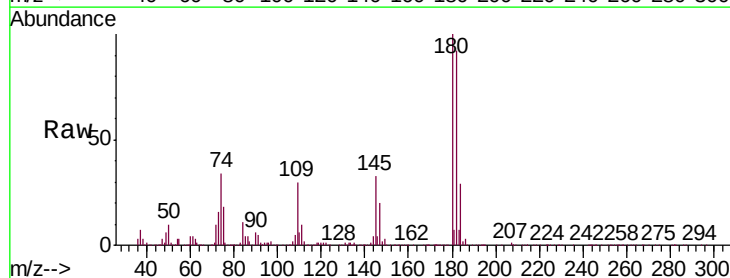


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

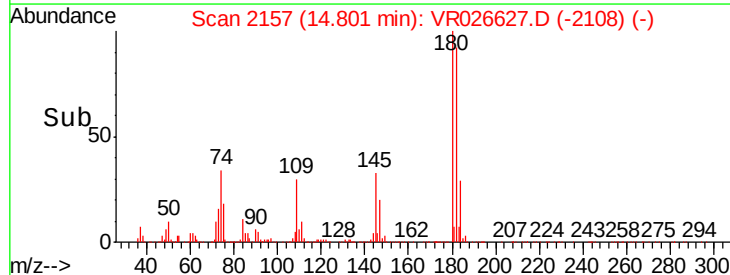
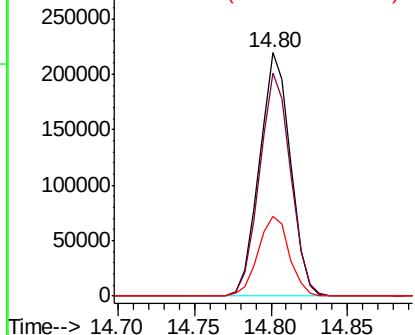


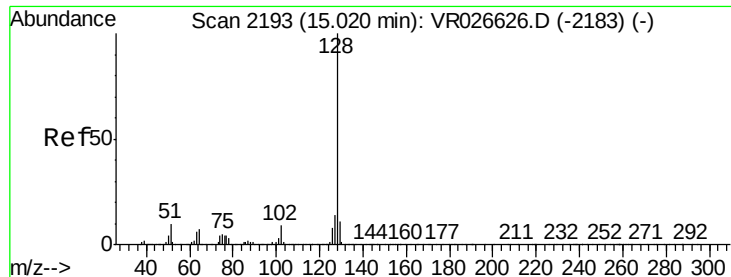
#68
 1,2,4-trichlorobenzene
 Concen: 11.032 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026627.D
 Acq: 12 Sep 2019 19:08

Tgt Ion:	180	Resp:	309249
Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.1	112.7
145	33.0	25.9	38.9



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





#69

Naphthalene

Concen: 11.372 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD01066

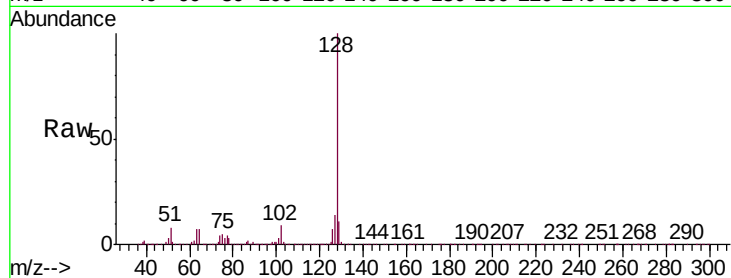
Tgt Ion:128 Resp: 441638

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

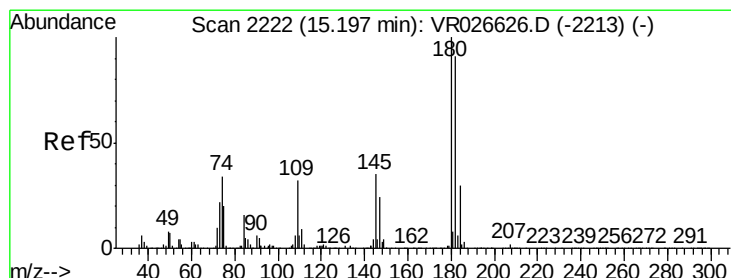
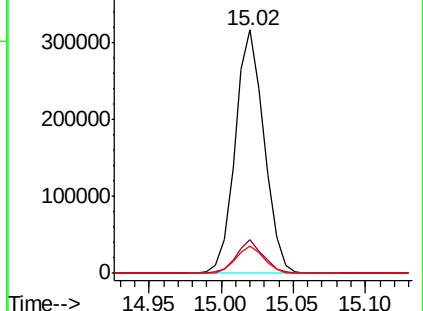
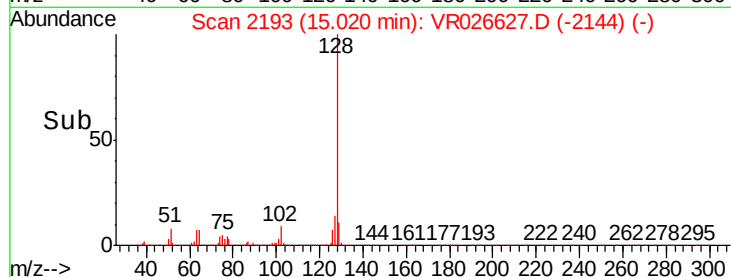
129 10.8 8.9 13.3



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: 11.020 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026627.D

Acq: 12 Sep 2019 19:08

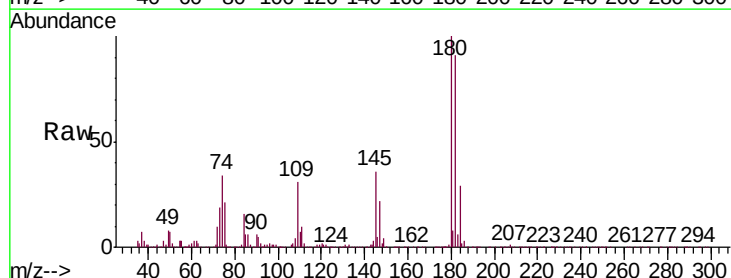
Tgt Ion:180 Resp: 258249

Ion Ratio Lower Upper

180 100

182 93.4 76.2 114.4

145 34.5 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

