

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026571.D
 Acq On : 11 Apr 2019 11:55
 Operator : SY/MD
 Sample : VSTD01086
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

Quant Time: Apr 12 01:27:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 12 01:22:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	606604	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	527405	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	230385	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	440804	9.51	ug/L	0.00
7) Chloroethane-d5	2.62	69	384448	9.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1199785	9.82	ug/L	0.00
20) 2-Butanone-d5	6.59	46	488635	116.88	ug/L	0.00
24) Chloroform-d	7.20	84	919872	10.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	383346	10.21	ug/L	0.00
32) Benzene-d6	7.85	84	1766376	10.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	446372	10.13	ug/L	0.00
41) Toluene-d8	9.97	98	1700789	11.27	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	118821	10.38	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	437493	135.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	188460	10.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	364802	10.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	594628	9.411 ug/L	99
3) Chloromethane	2.01	50	625377	9.381 ug/L	98
5) Vinyl chloride	2.16	62	626173	9.495 ug/L	95
6) Bromomethane	2.52	94	376109	9.688 ug/L	93
8) Chloroethane	2.66	64	354766	9.320 ug/L	94
9) Trichlorofluoromethane	2.93	101	919685	9.946 ug/L	# 55
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	488376	9.652 ug/L	98
12) 1,1-Dichloroethene	3.63	96	519362	9.421 ug/L	93
13) Acetone	3.70	43	391206	92.590 ug/L	97
14) Carbon disulfide	3.93	76	1462889	9.258 ug/L	99
15) Methyl Acetate	4.19	43	110249	9.512 ug/L	# 75
16) Methylene chloride	4.40	84	427054	8.649 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	531057	8.792 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	499824	9.740 ug/L	98
19) 1,1-Dichloroethane	5.69	63	896102	9.426 ug/L	98
21) 2-Butanone	6.69	43	595198	108.798 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	466641	10.843 ug/L	# 97
23) Bromochloromethane	7.05	128	134462	9.940 ug/L	98
25) Chloroform	7.23	83	886381	9.675 ug/L	100
27) 1,2-Dichloroethane	7.99	62	438808	9.574 ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	772002	9.009 ug/L	98
30) Cyclohexane	7.51	56	854039	10.734 ug/L	98
31) Carbon tetrachloride	7.63	117	766367	9.318 ug/L	99
33) Benzene	7.90	78	2030791	9.838 ug/L	100
34) Trichloroethene	8.71	95	525343	9.518 ug/L	93
35) Methylcyclohexane	8.95	83	816523	10.397 ug/L	98
37) 1,2-Dichloropropane	8.99	63	427138	9.448 ug/L	99
38) Bromodichloromethane	9.28	83	499517	9.502 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	552711	11.298 ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	1520814	112.857 ug/L	99

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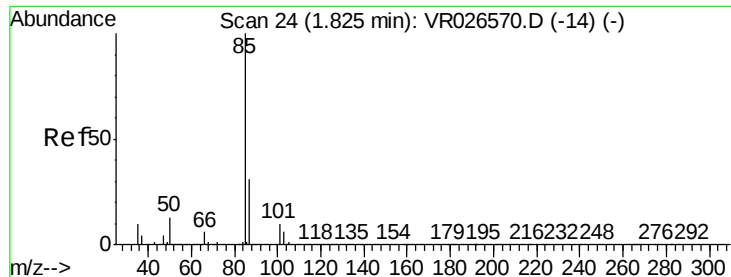
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.03	91	2193463	10.322	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	379752	10.732	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	185973	9.984	ug/L	96
47) Tetrachloroethene	10.51	164	391413	9.852	ug/L	93
48) 2-Hexanone	10.63	43	1044165	115.611	ug/L	100
49) Dibromochloromethane	10.78	129	240315	9.944	ug/L	98
50) 1,2-Dibromoethane	10.88	107	159513	9.960	ug/L #	89
51) Chlorobenzene	11.32	112	1168995	9.725	ug/L	100
52) Ethylbenzene	11.39	91	2566405	10.498	ug/L	97
53) m,p-Xylene	11.50	106	935692	10.692	ug/L	99
54) o-Xylene	11.83	106	885483	11.460	ug/L	98
55) Styrene	11.84	104	1376685	11.281	ug/L	96
56) Isopropylbenzene	12.13	105	2476171	11.353	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	179481	9.930	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	135225	9.900	ug/L	98
61) Bromoform	12.01	173	91905	9.018	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	748881	10.233	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	768443	9.223	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	610174	9.896	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	19000	8.182	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	476612	9.901	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	278432	10.483	ug/L	99
69) Naphthalene	15.00	128	301947	12.252	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	210880	11.248	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.411 ug/L

RT: 1.82 min Scan# 24

Delta R.T. 0.00 min

Lab File: VR026571.D

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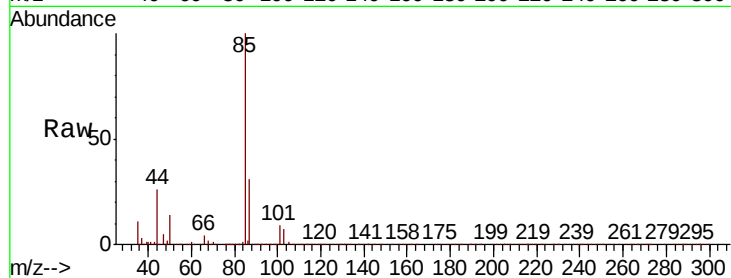
VSTD01086

Tot Ion: 85 Resp: 594628

Ion Ratio Lower Upper

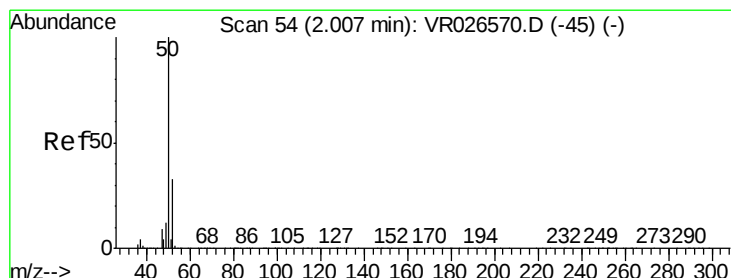
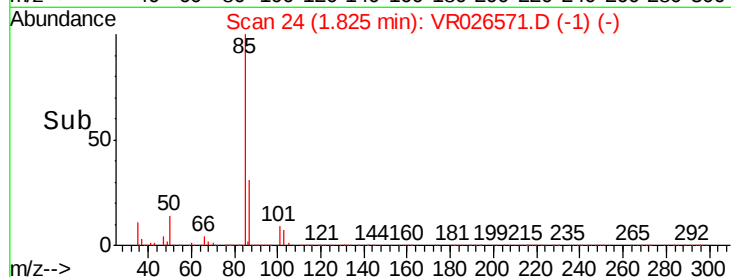
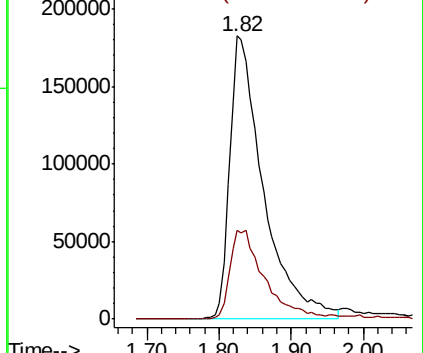
85 100

87 32.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 9.381 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.01 min

Lab File: VR026571.D

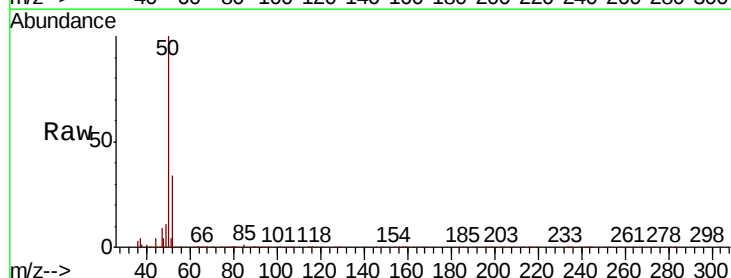
Acq: 11 Apr 2019 11:55

Tgt Ion: 50 Resp: 625377

Ion Ratio Lower Upper

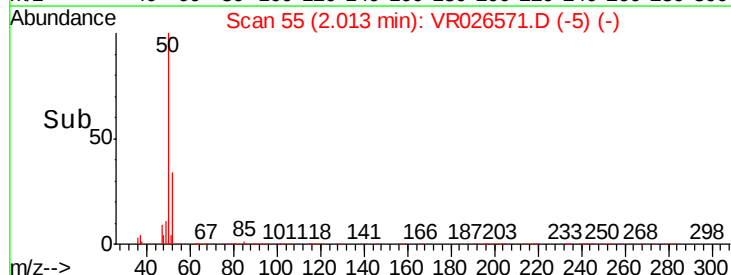
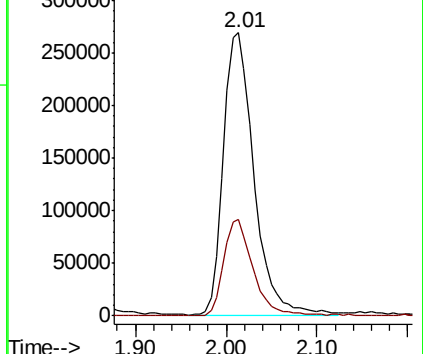
50 100

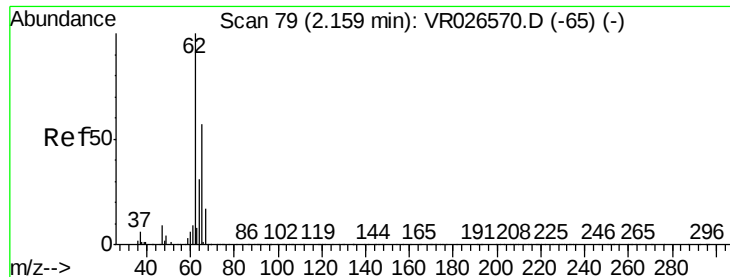
52 33.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 9.495 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

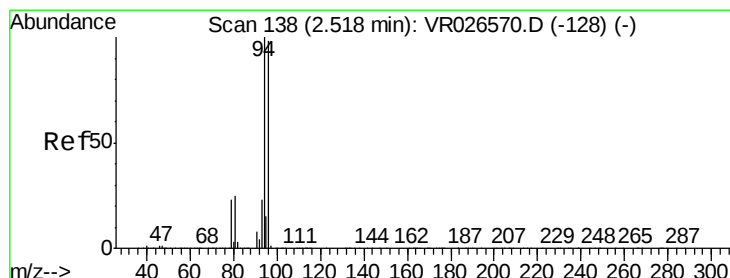
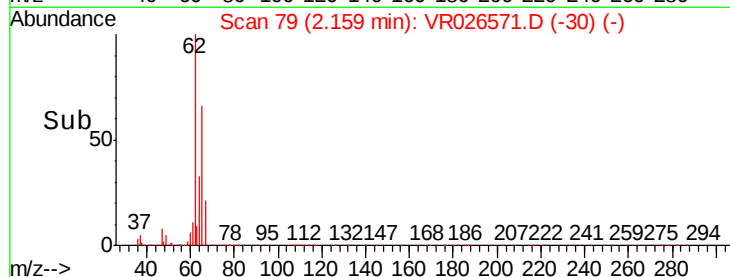
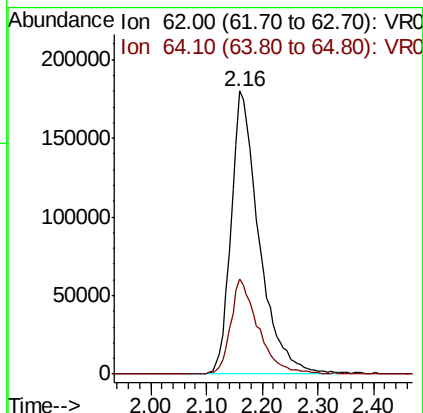
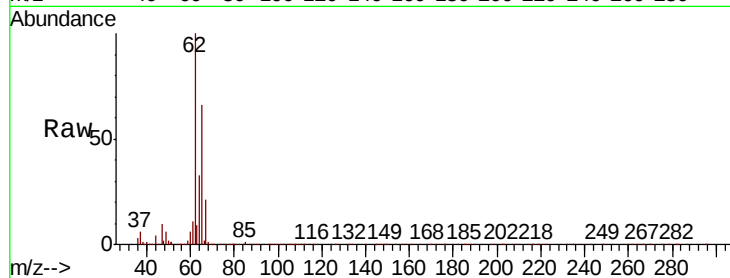
VSTD01086

Tot Ion: 62 Resp: 626173

Ion Ratio Lower Upper

62 100

64 33.4 21.6 40.2



#6

Bromomethane

Concen: 9.688 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026571.D

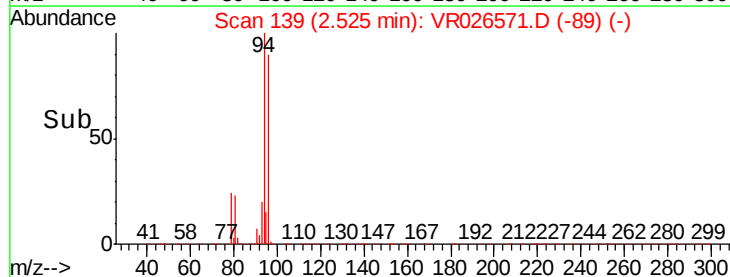
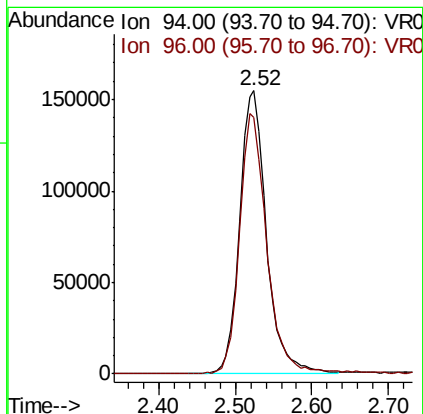
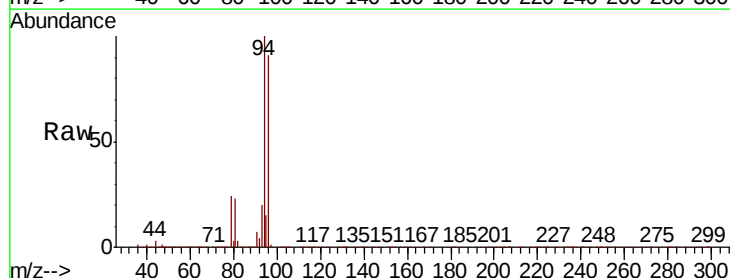
Acq: 11 Apr 2019 11:55

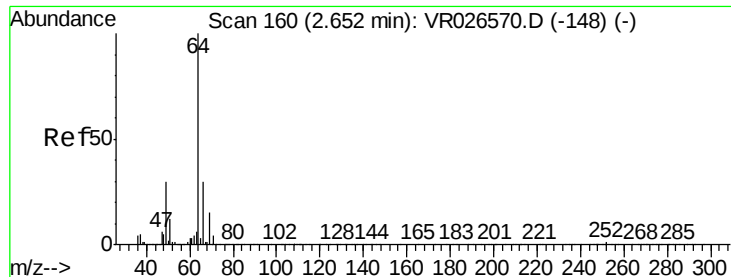
Tgt Ion: 94 Resp: 376109

Ion Ratio Lower Upper

94 100

96 90.5 68.5 127.3





#8

Chloroethane

Concen: 9.320 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

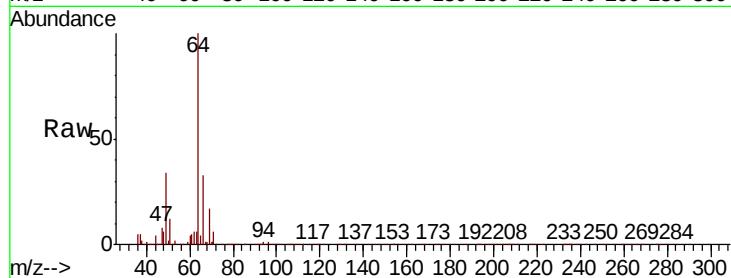
VSTD01086

Tot Ion: 64 Resp: 354766

Ion Ratio Lower Upper

64 100

66 32.7 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

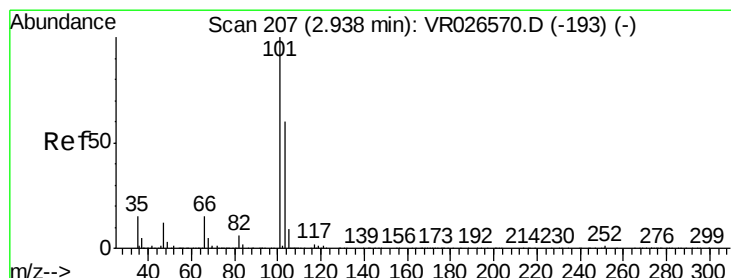
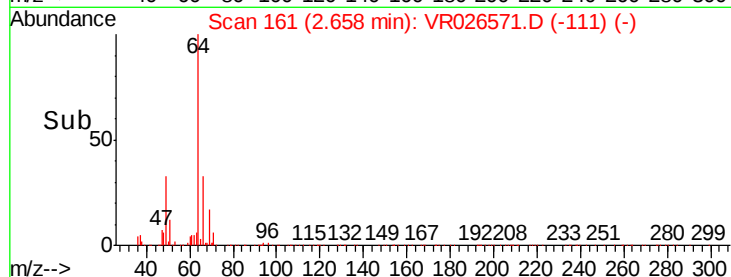
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.946 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026571.D

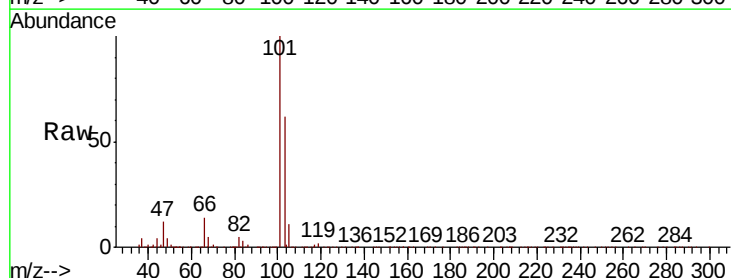
Acq: 11 Apr 2019 11:55

Tgt Ion: 101 Resp: 919685

Ion Ratio Lower Upper

101 100

103 28.0 50.7 76.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

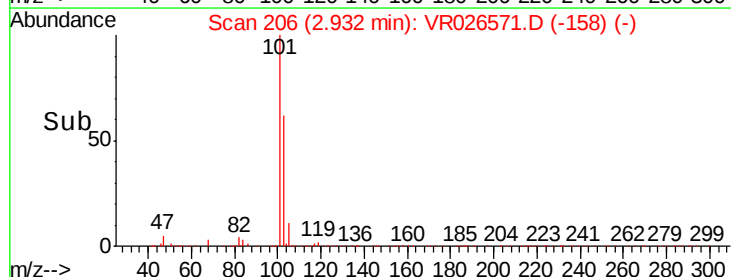
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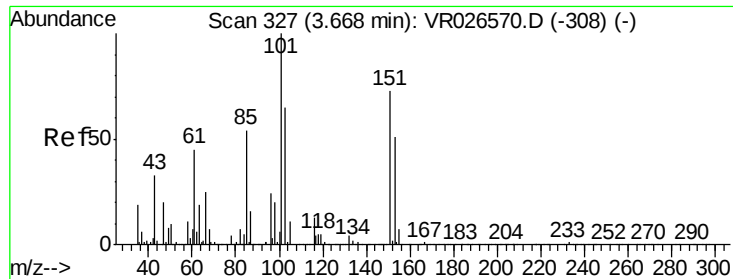
100000

50000

0

Time-->





#10

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

Concen: 9.652 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

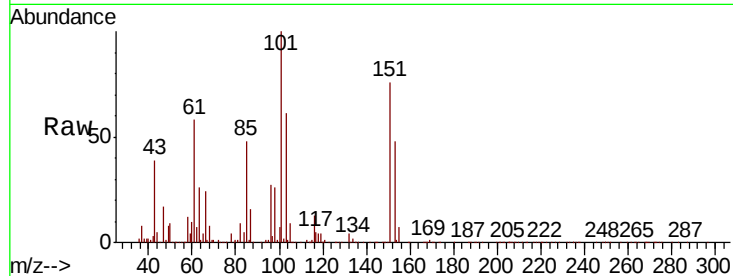
Tot Ion:101 Resp: 488376

Ion Ratio Lower Upper

101 100

85 49.1 40.4 60.6

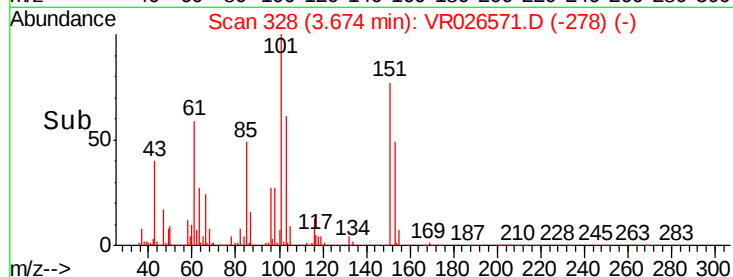
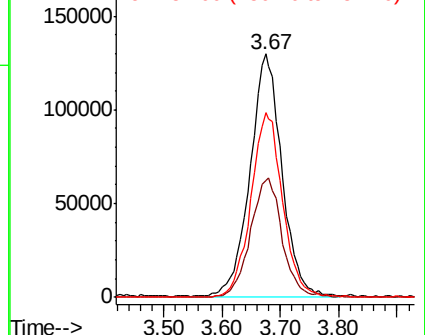
151 75.8 59.4 89.0



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: 9.421 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

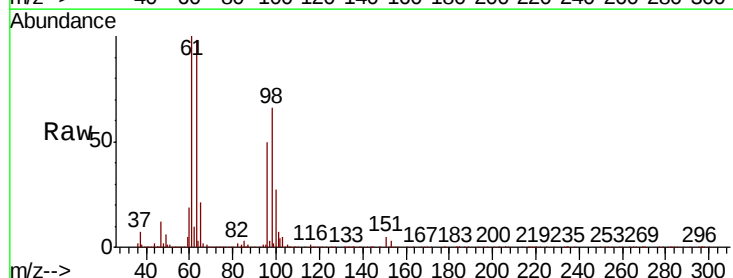
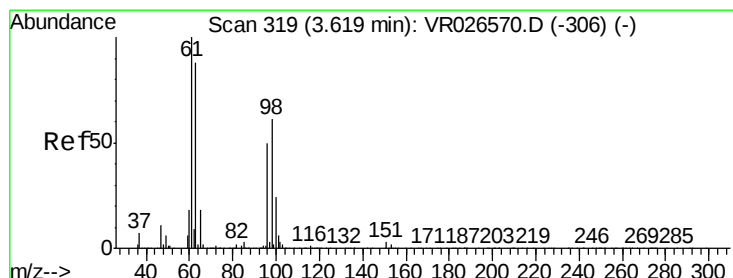
Tgt Ion: 96 Resp: 519362

Ion Ratio Lower Upper

96 100

61 201.8 140.8 261.6

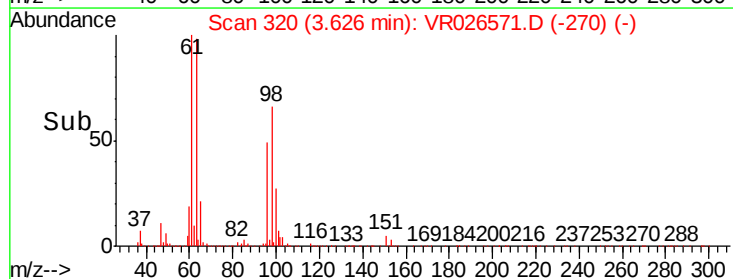
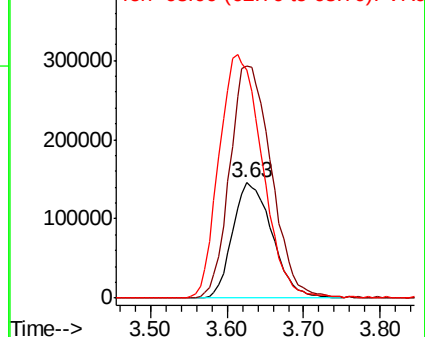
63 197.6 124.0 230.4

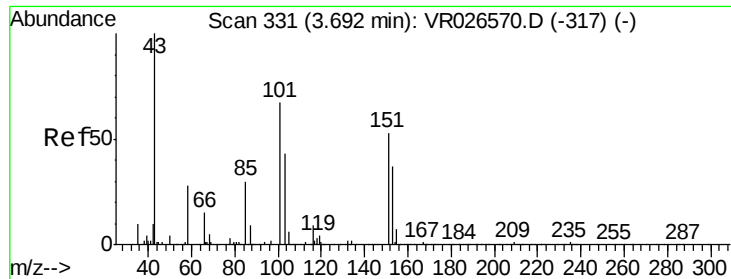


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 92.590 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

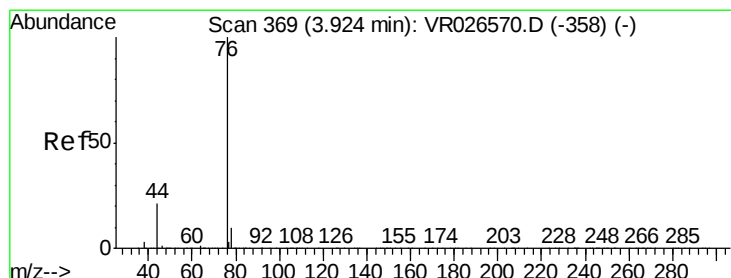
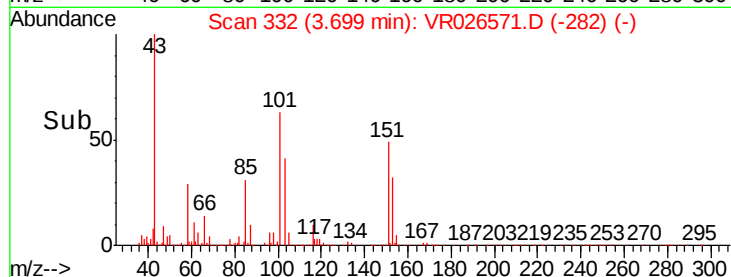
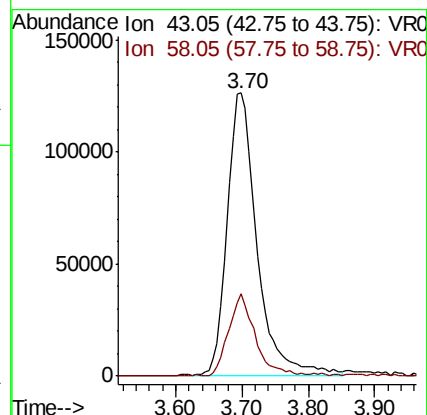
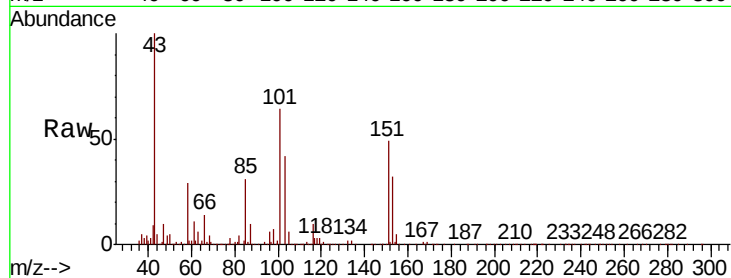
VSTD01086

Tot Ion: 43 Resp: 391206

Ion Ratio Lower Upper

43 100

58 26.2 0.0 49.4



#14

Carbon disulfide

Concen: 9.258 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.01 min

Lab File: VR026571.D

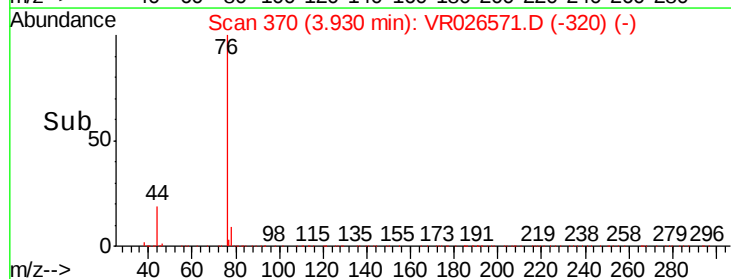
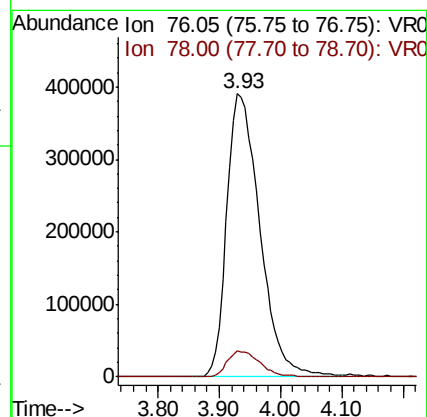
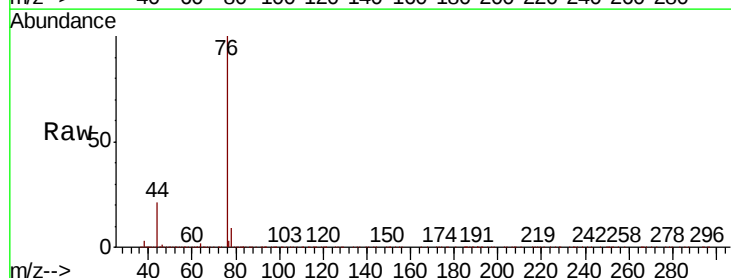
Acq: 11 Apr 2019 11:55

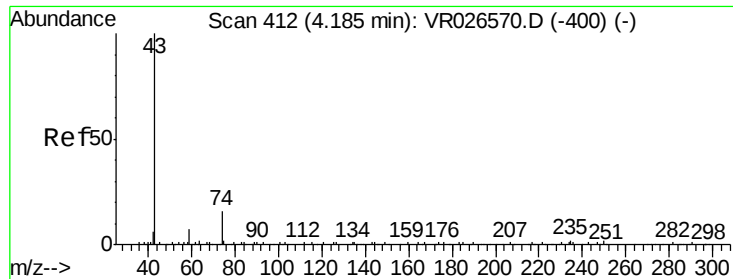
Tgt Ion: 76 Resp: 1462889

Ion Ratio Lower Upper

76 100

78 9.4 7.9 11.9

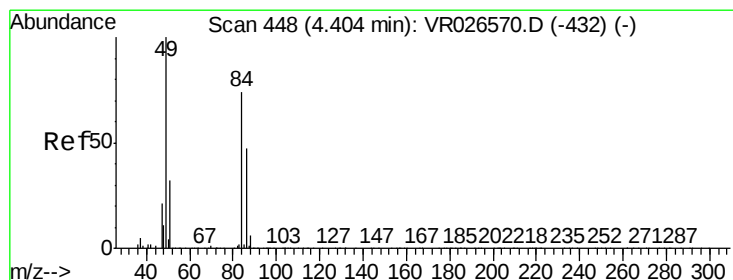
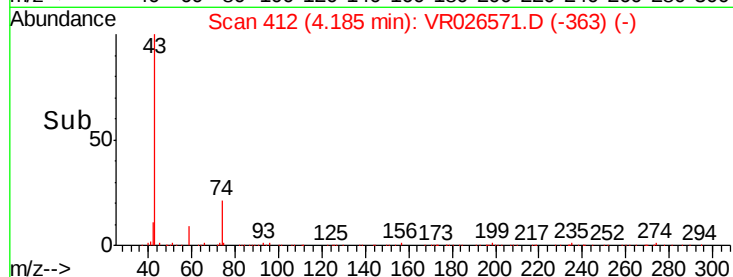
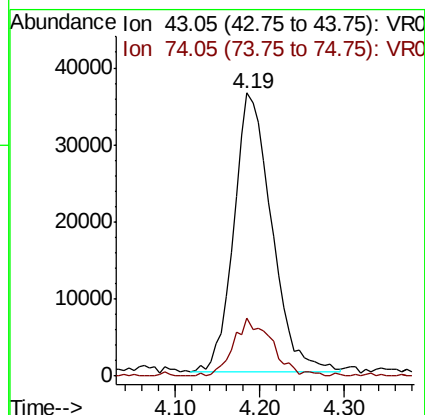
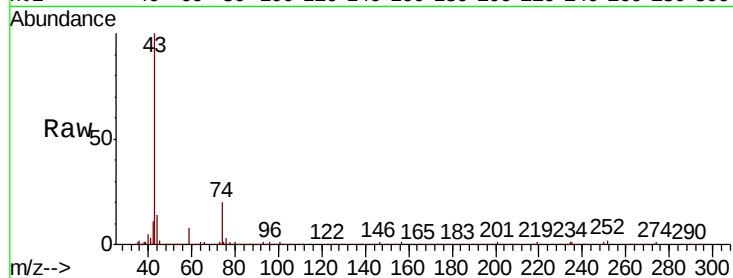




#15
Methyl Acetate
Concen: 9.512 ug/L
RT: 4.19 min Scan# 412
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

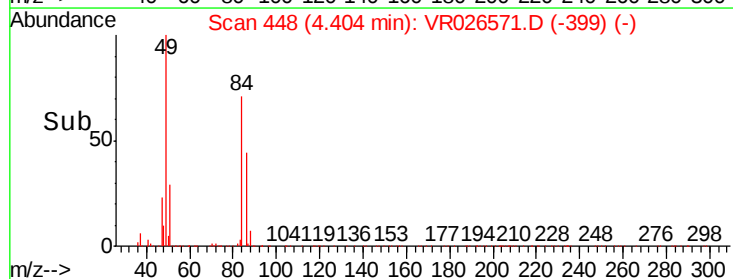
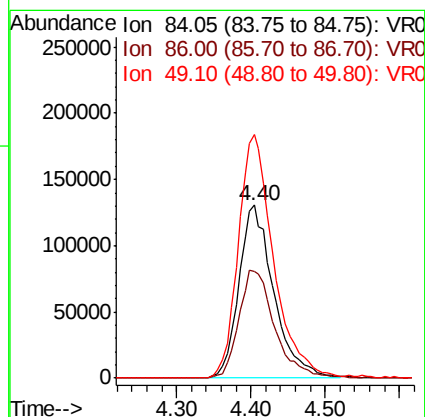
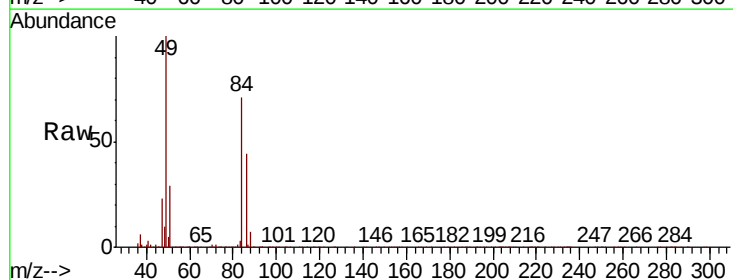
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ClientSampleId :
VSTD01086

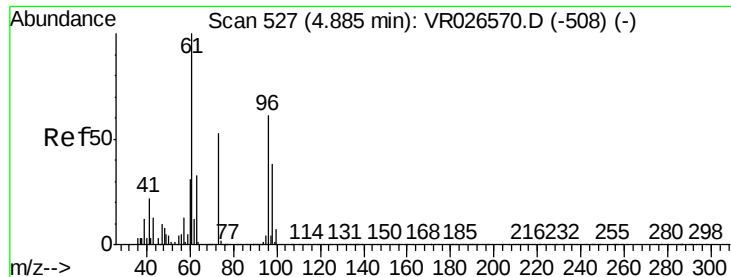
Tot Ion: 43 Resp: 110249
Ion Ratio Lower Upper
43 100
74 20.7 9.0 13.6#



#16
Methylene chloride
Concen: 8.649 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Tgt Ion: 84 Resp: 427054
Ion Ratio Lower Upper
84 100
86 61.3 45.1 83.7
49 140.7 95.2 176.8

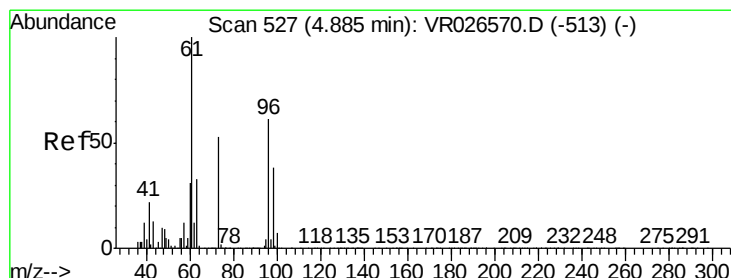
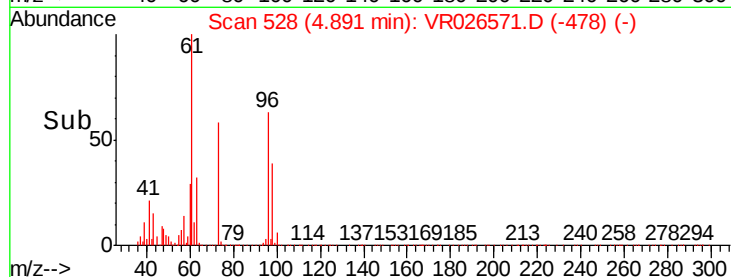
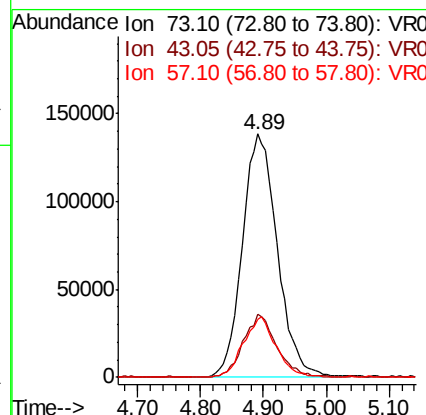
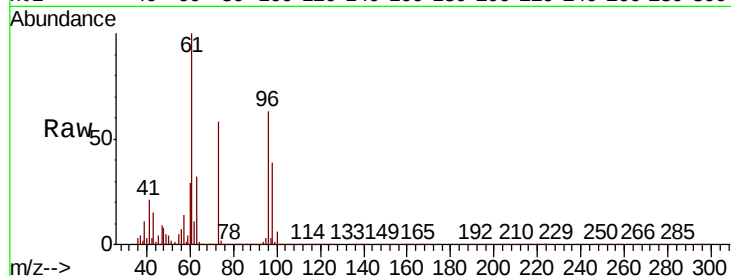




#17
Methvl tert-butvl Ether
Concen: 8.792 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

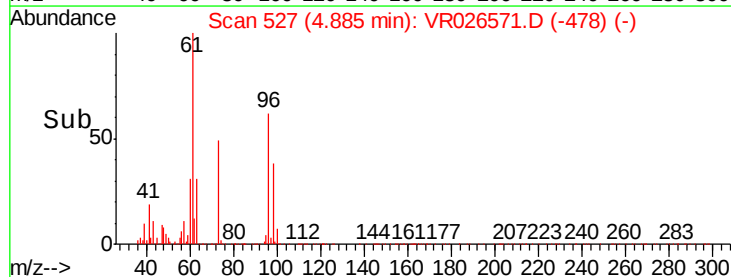
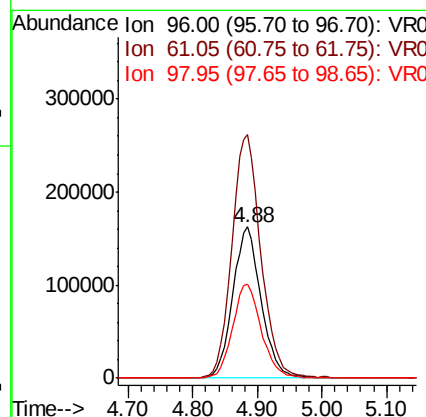
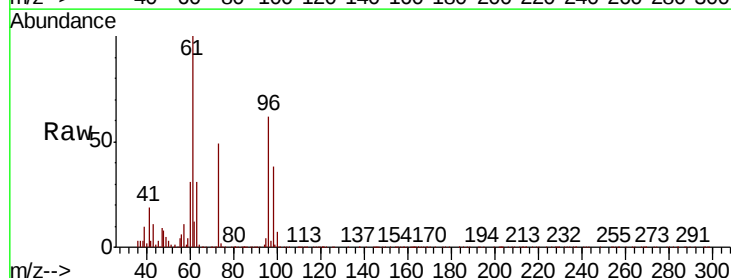
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

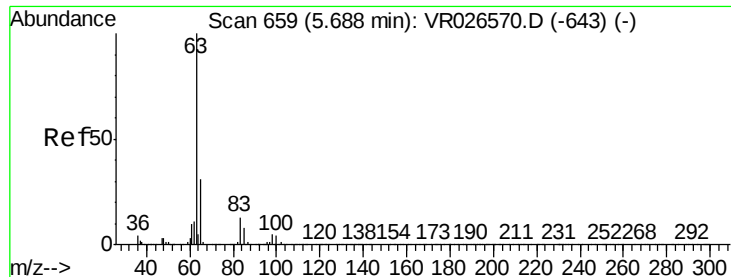
Tot Ion: 73 Resp: 531057
Ion Ratio Lower Upper
73 100
43 24.4 20.6 30.8
57 23.5 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 9.740 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Tgt Ion: 96 Resp: 499824
Ion Ratio Lower Upper
96 100
61 161.0 115.5 214.5
98 61.8 43.6 81.0





#19

1,1-Dichloroethane

Concen: 9.426 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

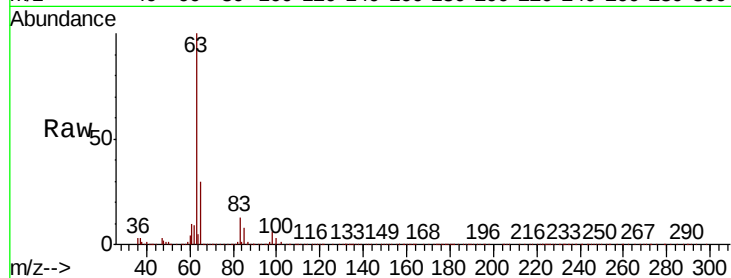
Tot Ion: 63 Resp: 896102

Ion Ratio Lower Upper

63 100

65 30.1 21.9 40.7

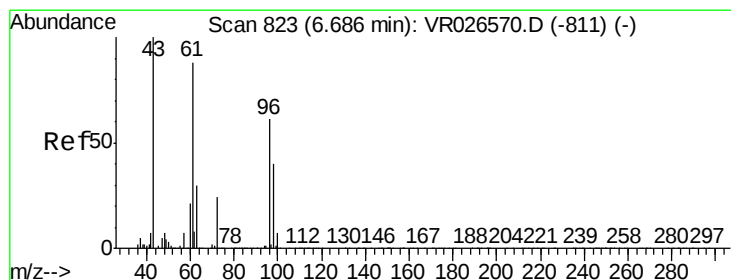
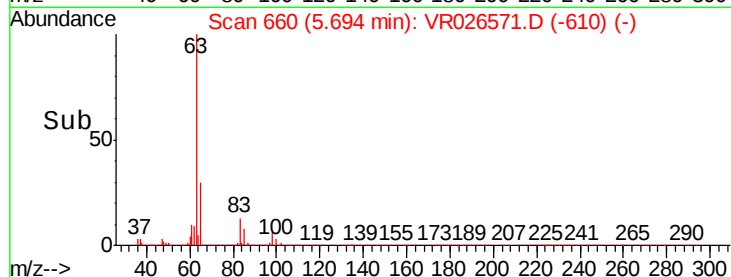
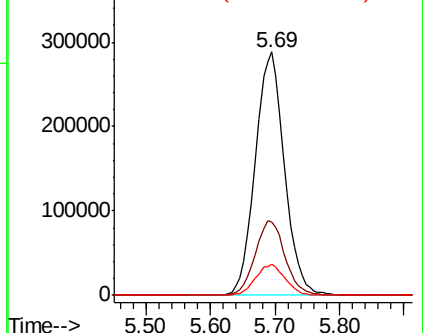
83 12.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 108.798 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.00 min

Lab File: VR026571.D

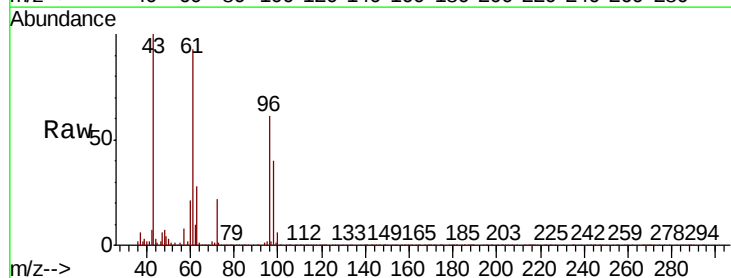
Acq: 11 Apr 2019 11:55

Tgt Ion: 43 Resp: 595198

Ion Ratio Lower Upper

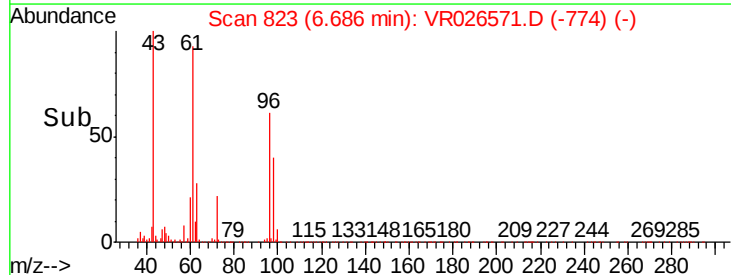
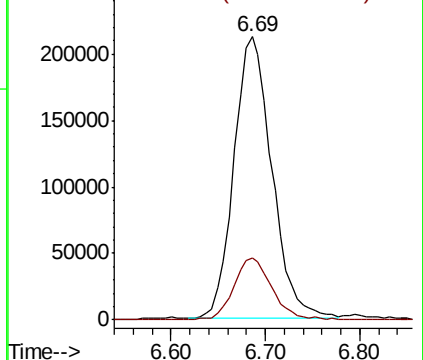
43 100

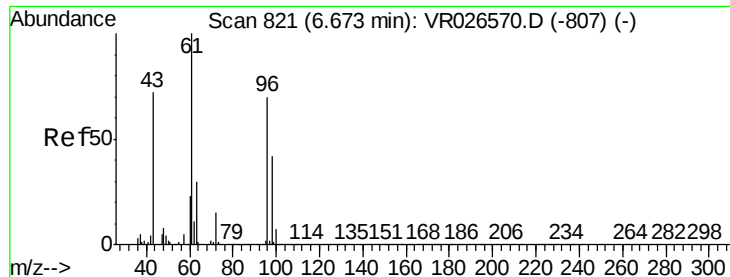
72 22.1 11.1 33.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



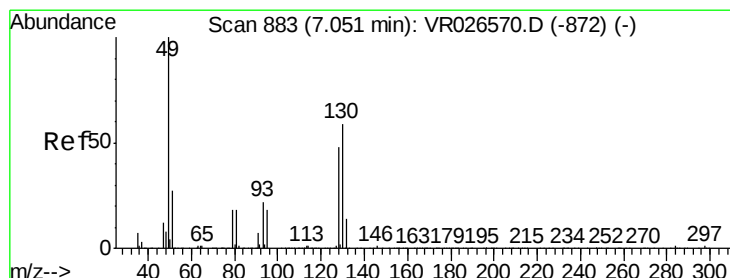
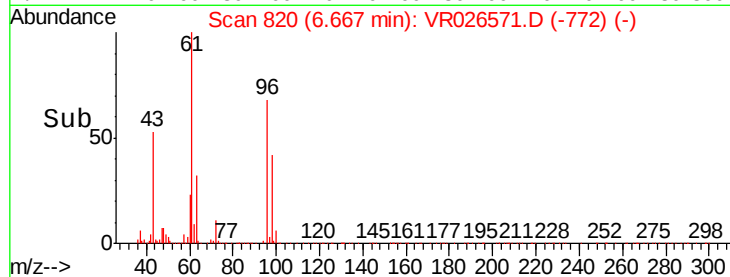
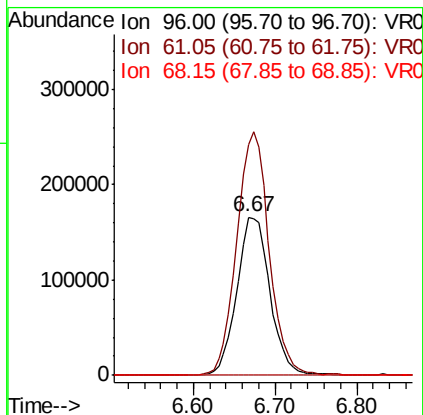
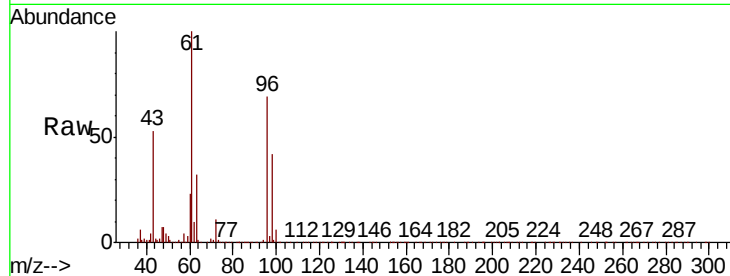


#22

cis-1,2-Dichloroethene
 Concen: 10.843 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

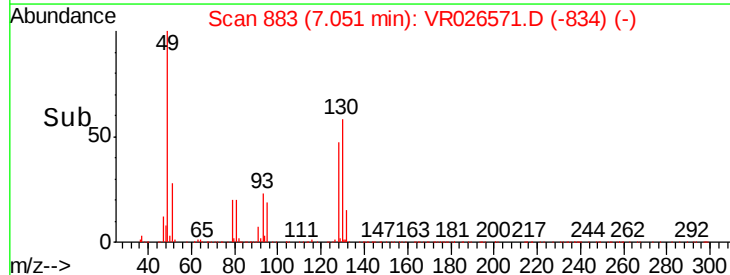
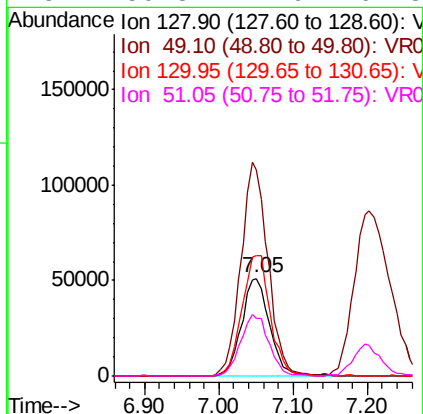
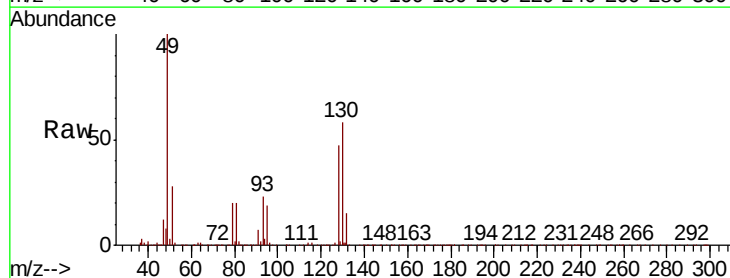
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	99.3	184.5
68	0.1	0.1	0.3

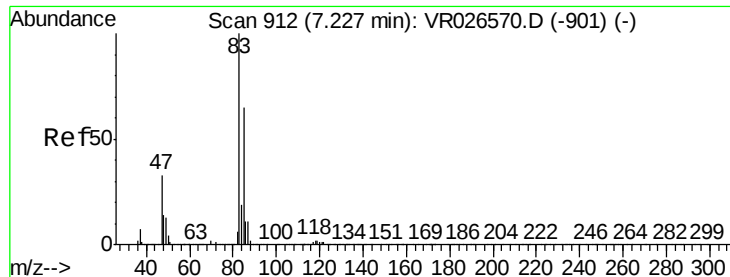


#23

Bromochloromethane
 Concen: 9.940 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	211.3	144.4	268.2
130	123.3	86.2	160.0
51	59.3	44.9	67.3





#25

Chloroform

Concen: 9.675 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

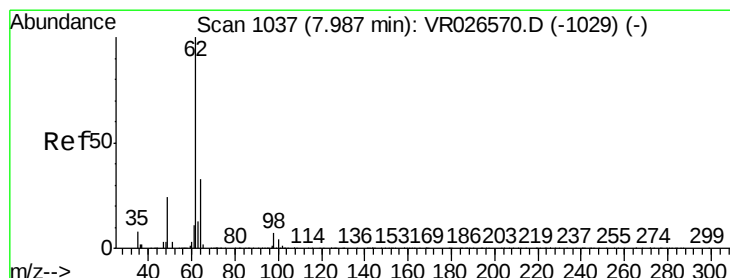
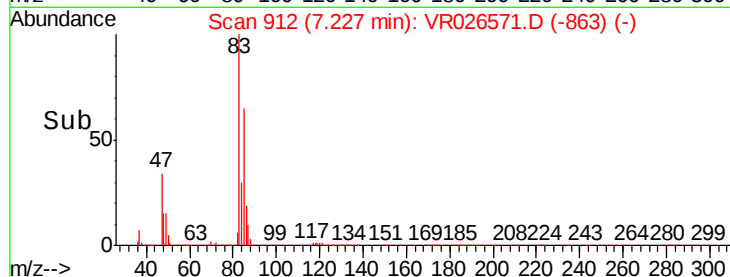
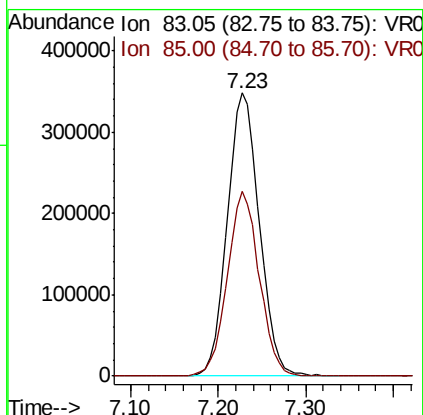
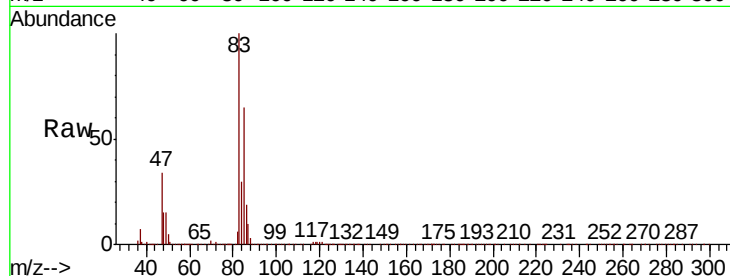
VSTD01086

Tot Ion: 83 Resp: 886381

Ion Ratio Lower Upper

83 100

85 65.3 45.6 84.6



#27

1,2-Dichloroethane

Concen: 9.574 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026571.D

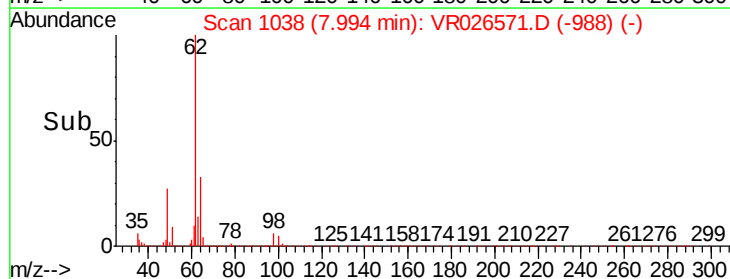
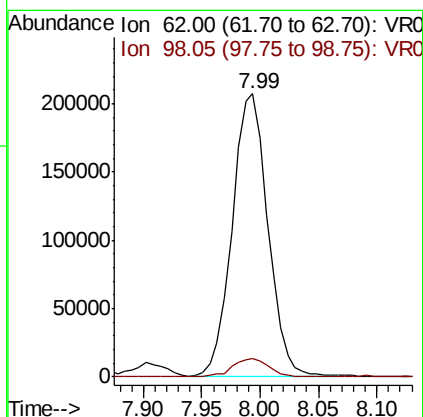
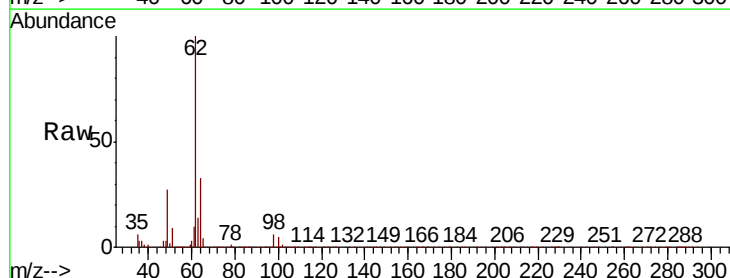
Acq: 11 Apr 2019 11:55

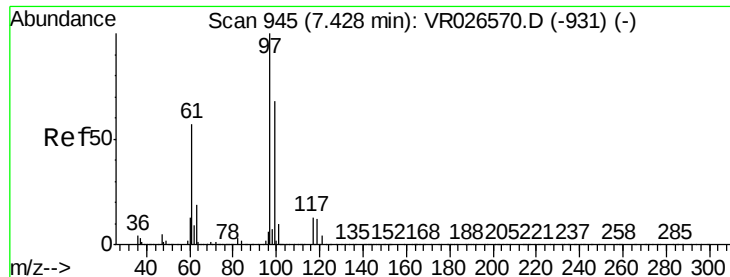
Tgt Ion: 62 Resp: 438808

Ion Ratio Lower Upper

62 100

98 6.3 6.0 9.0





#29

1,1,1-Trichloroethane

Concen: 9.009 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

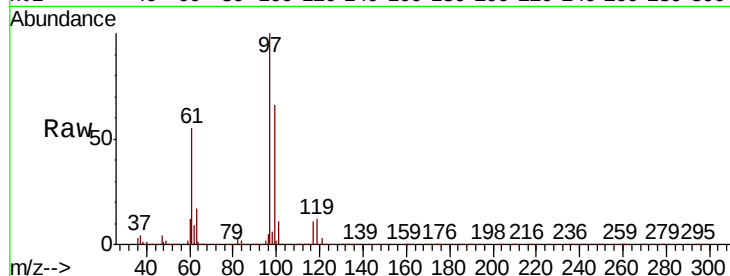
Tot Ion: 97 Resp: 772002

Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

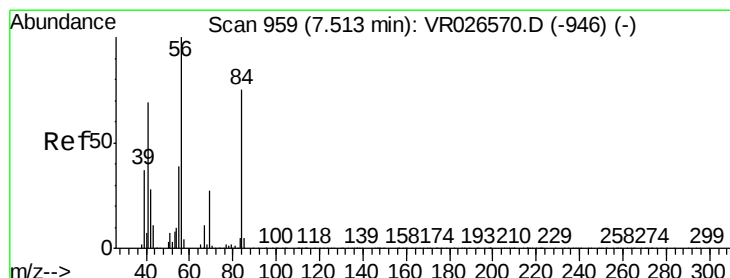
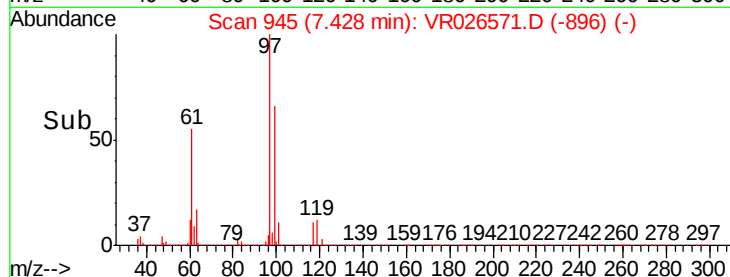
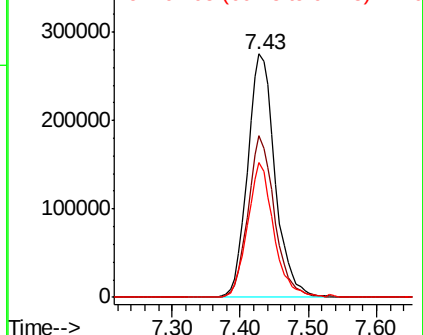
61 52.9 44.5 66.7



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: 10.734 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

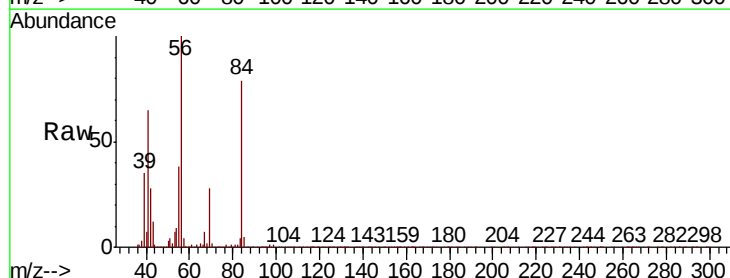
Tgt Ion: 56 Resp: 854039

Ion Ratio Lower Upper

56 100

69 28.4 23.0 34.4

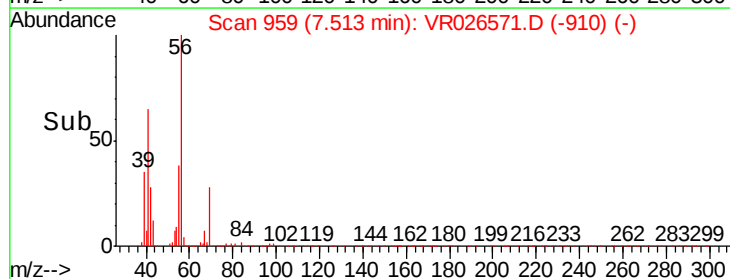
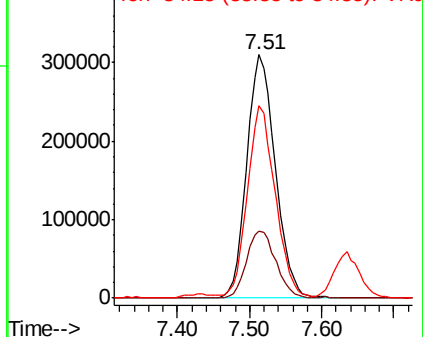
84 77.1 63.4 95.0

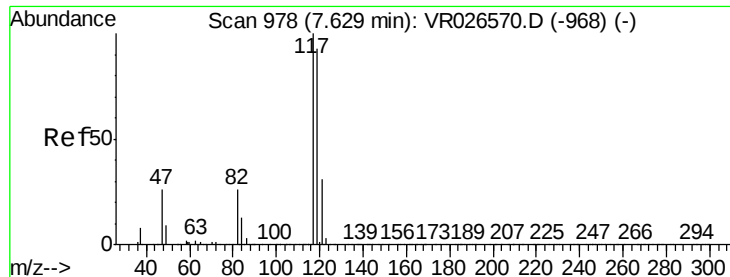


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0

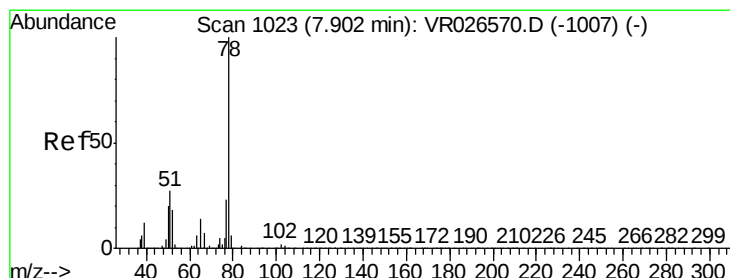
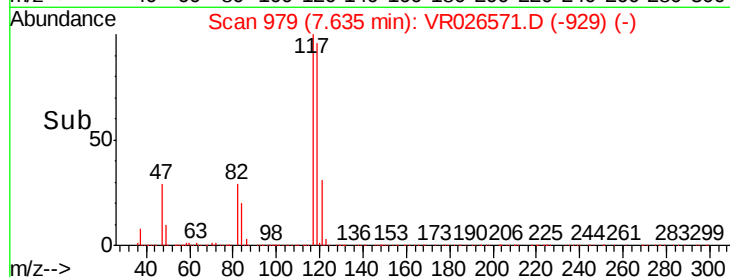
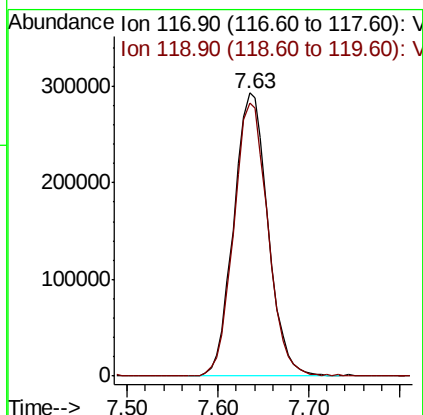
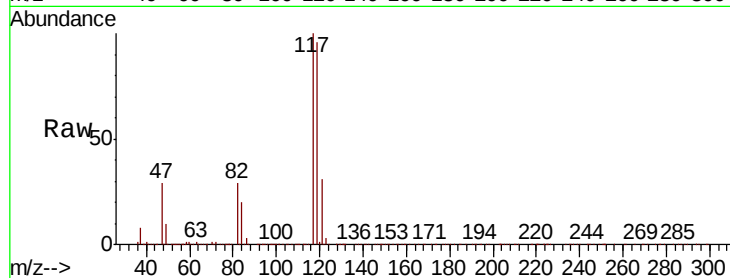




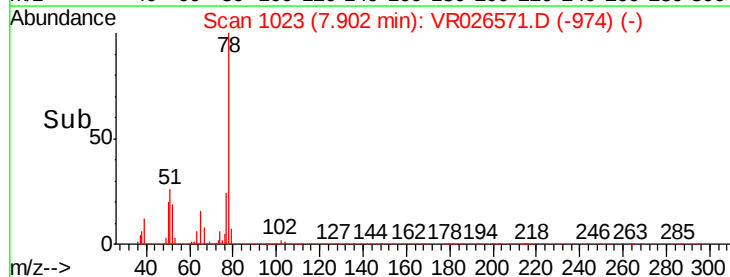
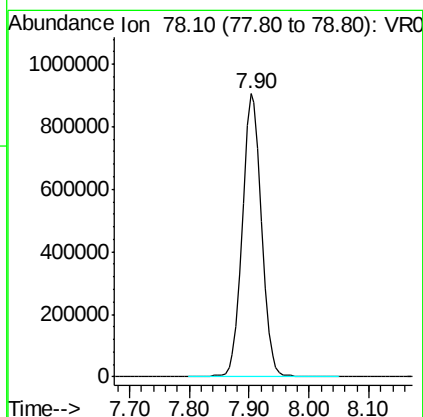
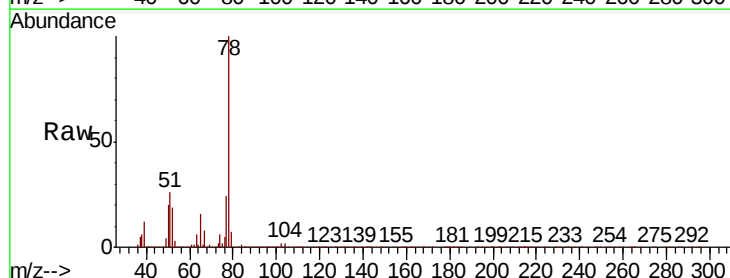
#31
Carbon tetrachloride
Concen: 9.318 ug/L
RT: 7.63 min Scan# 979
Delta R.T. 0.01 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

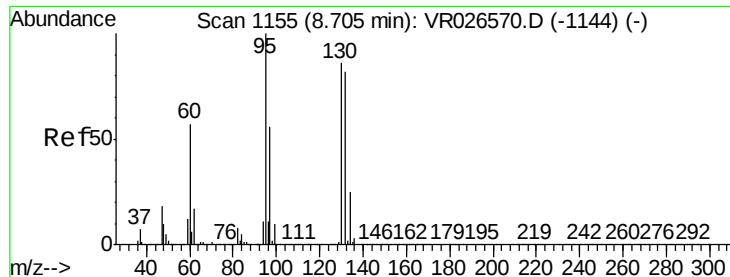
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

Tot Ion:117 Resp: 766367
Ion Ratio Lower Upper
117 100
119 96.1 77.9 116.9



#33
Benzene
Concen: 9.838 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55
Tgt Ion: 78 Resp: 2030791





#34

Trichloroethene

Concen: 9.518 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

Tot Ion: 95 Resp: 525343

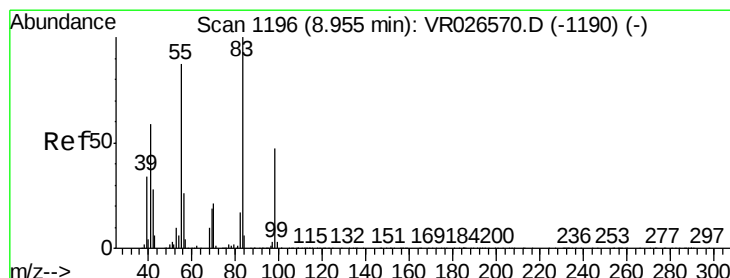
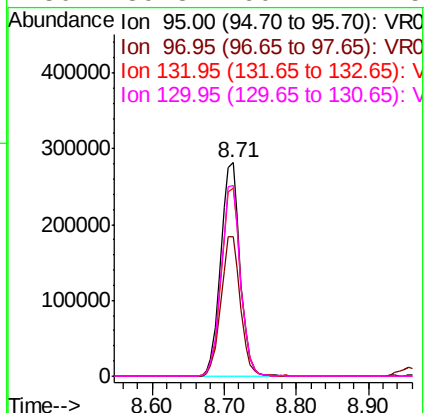
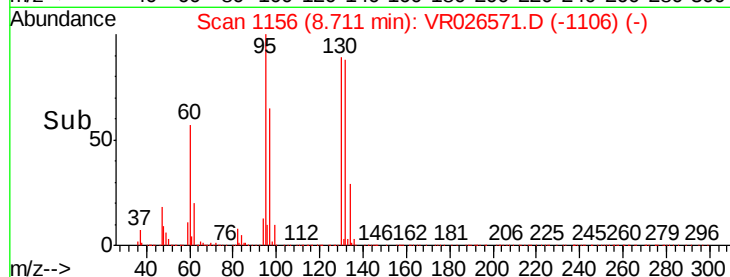
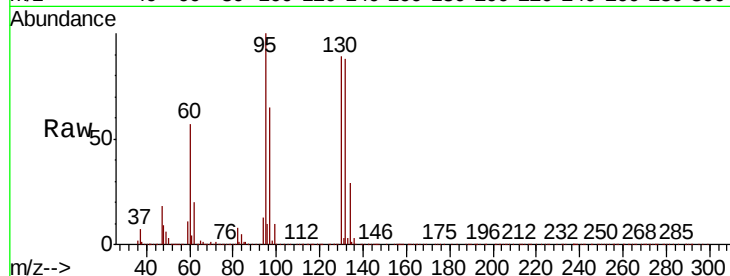
Ion Ratio Lower Upper

95 100

97 65.2 39.1 72.7

132 87.9 57.6 107.0

130 89.3 60.1 111.5



#35

Methylcyclohexane

Concen: 10.397 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

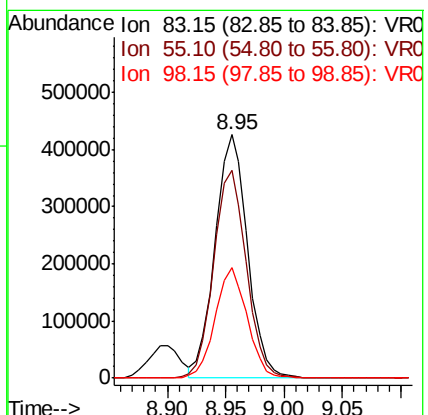
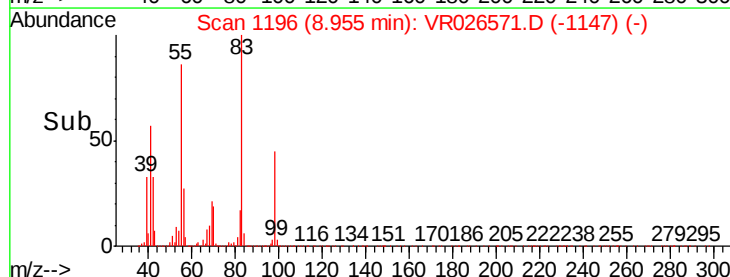
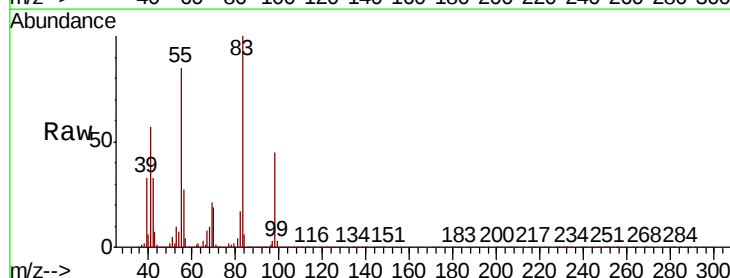
Tgt Ion: 83 Resp: 816523

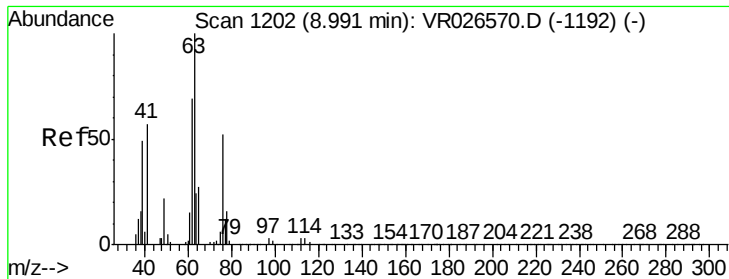
Ion Ratio Lower Upper

83 100

55 86.4 70.7 106.1

98 44.5 36.0 54.0

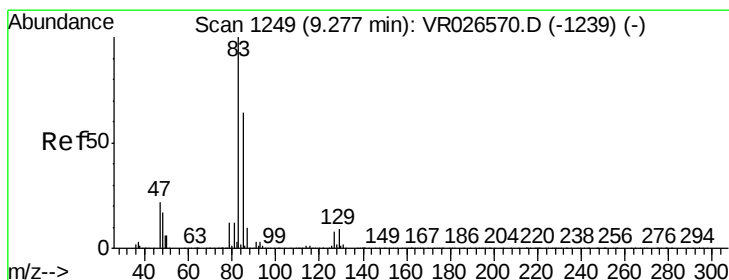
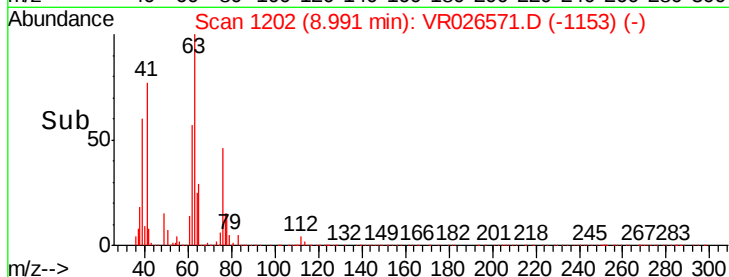
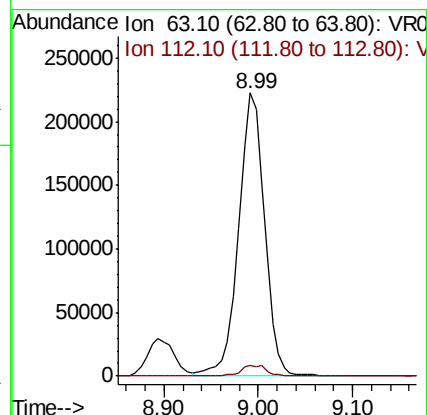
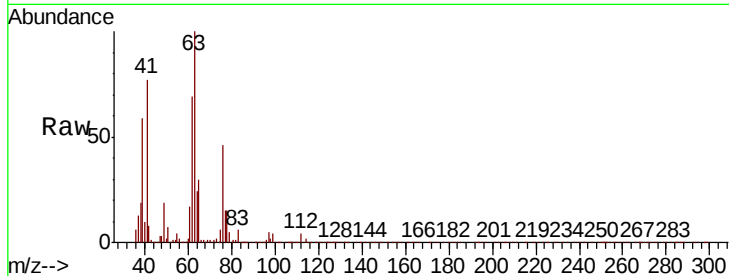




#37
 1,2-Dichloropropane
 Concen: 9.448 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

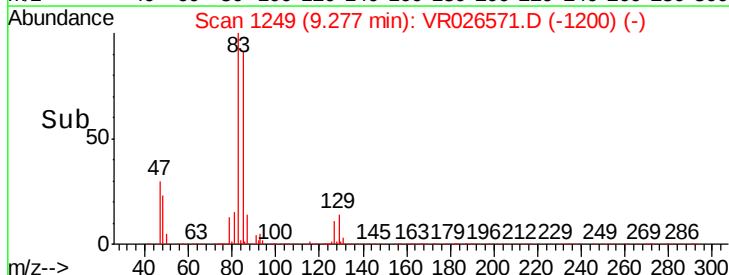
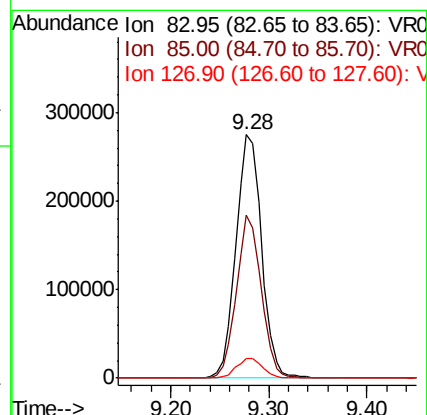
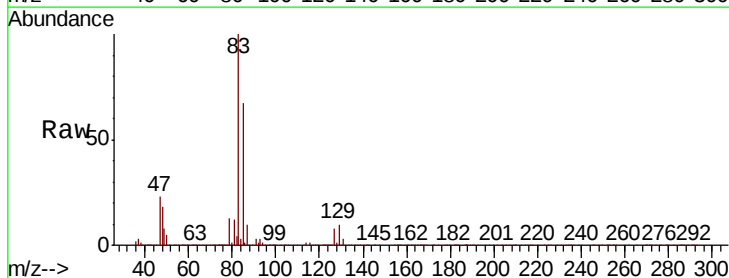
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

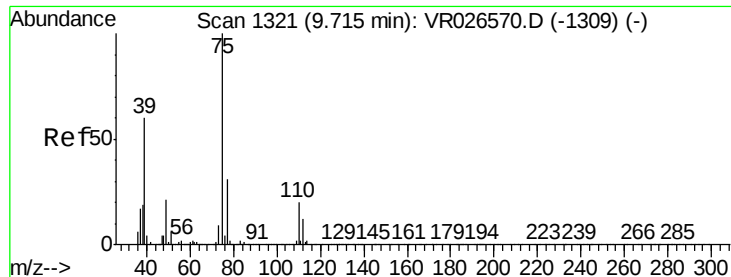
Tot Ion: 63 Resp: 427138
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.502 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Tgt Ion: 83 Resp: 499517
 Ion Ratio Lower Upper
 83 100
 85 66.8 44.7 83.1
 127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 11.298 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

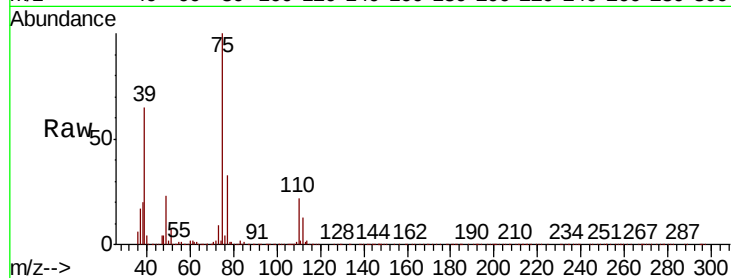
VSTD01086

Tot Ion: 75 Resp: 552711

Ion Ratio Lower Upper

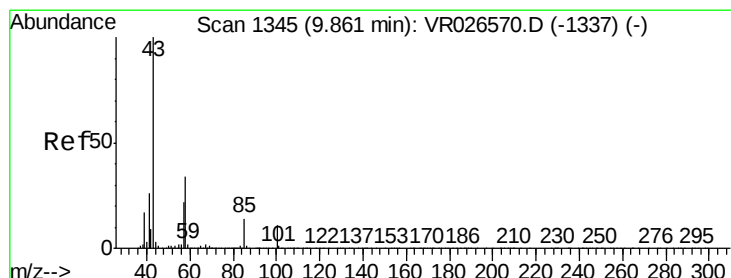
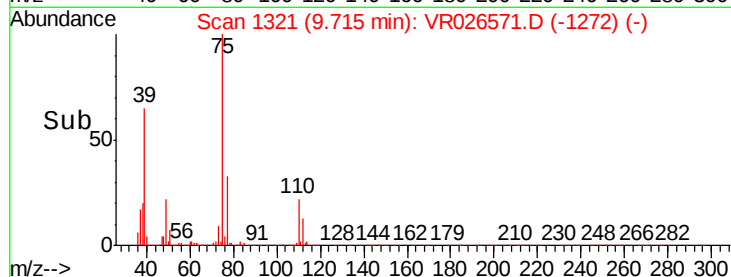
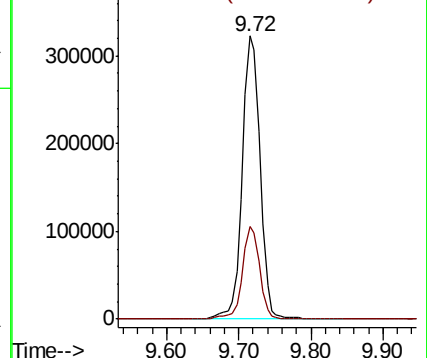
75 100

77 32.8 21.4 39.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 112.857 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

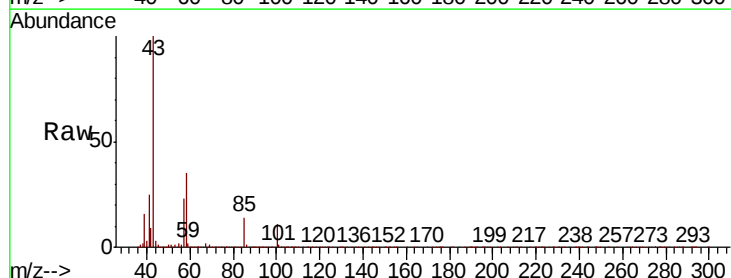
Tgt Ion: 43 Resp: 1520814

Ion Ratio Lower Upper

43 100

58 34.4 27.0 40.4

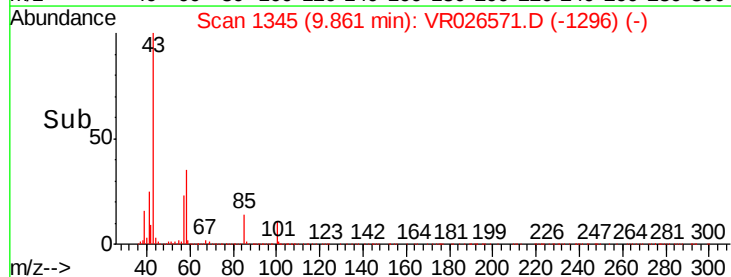
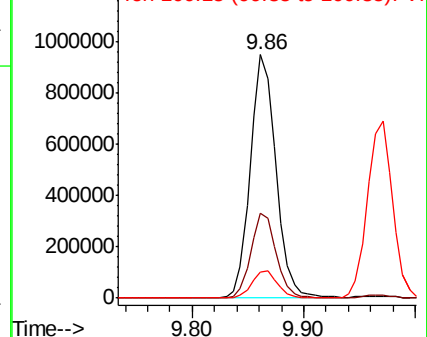
100 11.2 9.0 13.6

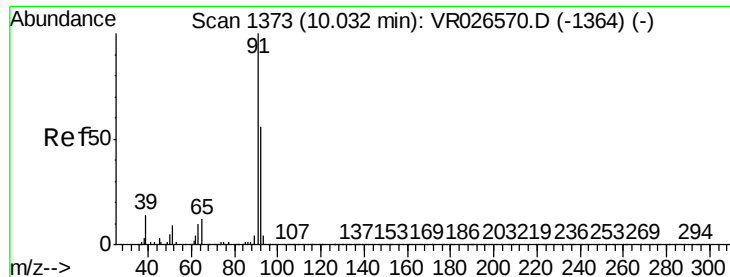


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 10.322 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

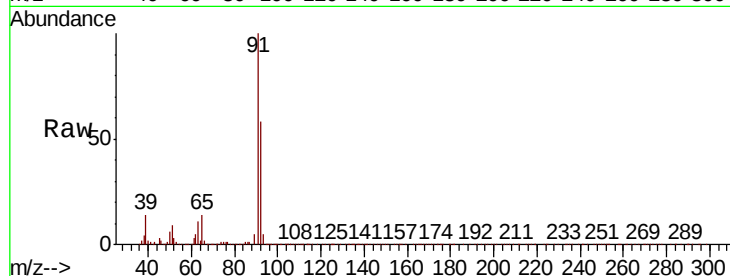
VSTD01086

Tot Ion: 91 Resp: 2193463

Ion Ratio Lower Upper

91 100

92 58.5 39.2 72.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.03

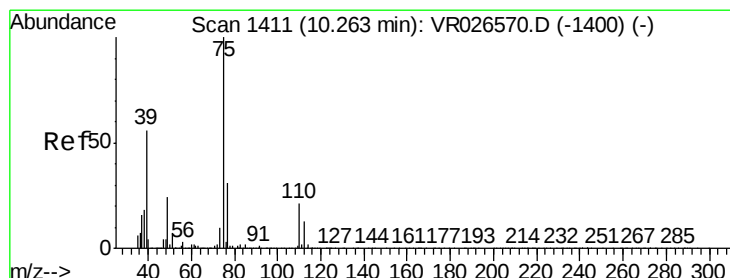
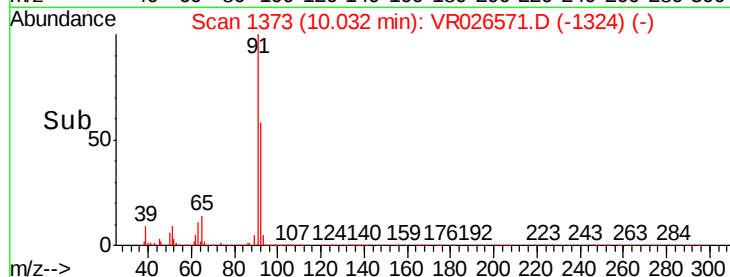
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.732 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026571.D

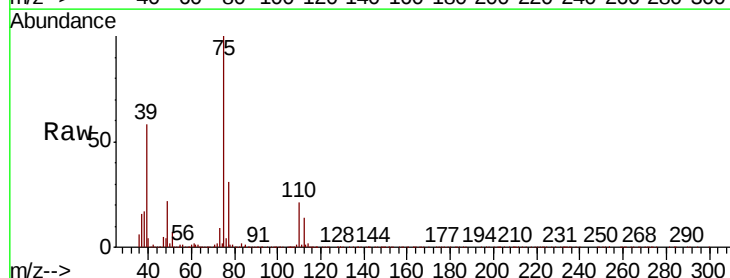
Acq: 11 Apr 2019 11:55

Tgt Ion: 75 Resp: 379752

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.26

250000

200000

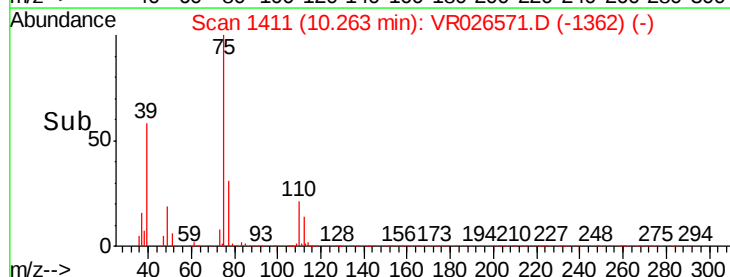
150000

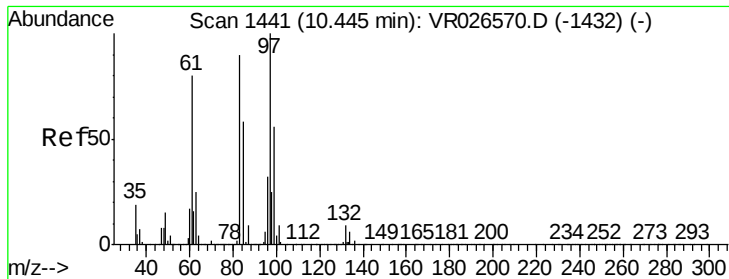
100000

50000

0

Time-->

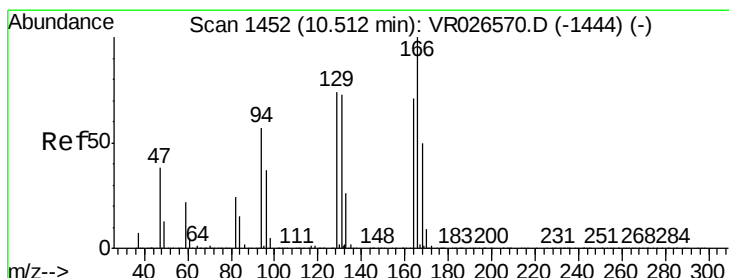
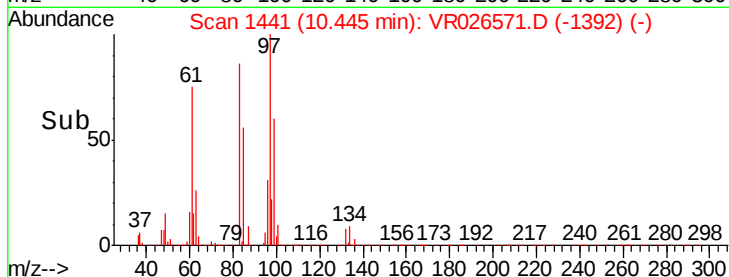
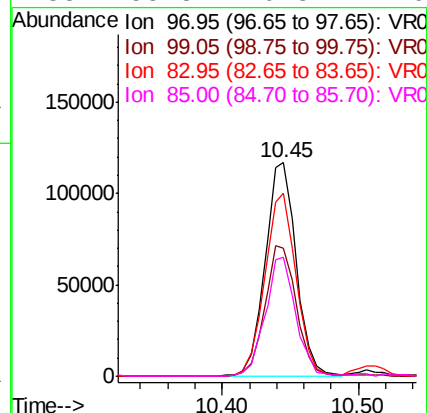
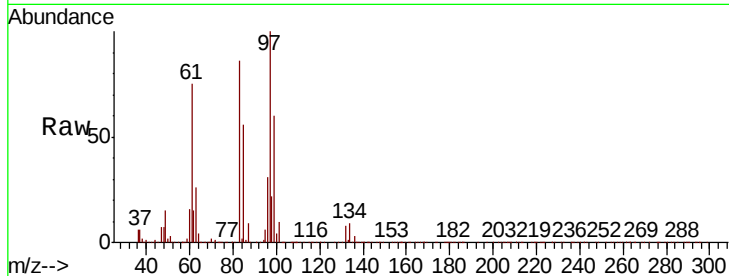




#45
 1,1,2-Trichloroethane
 Concen: 9.984 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

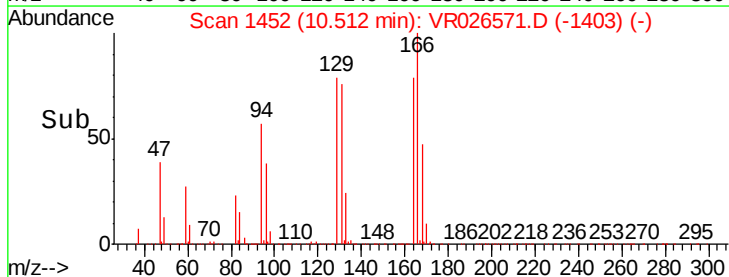
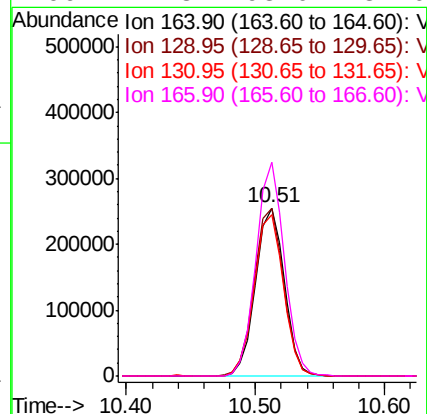
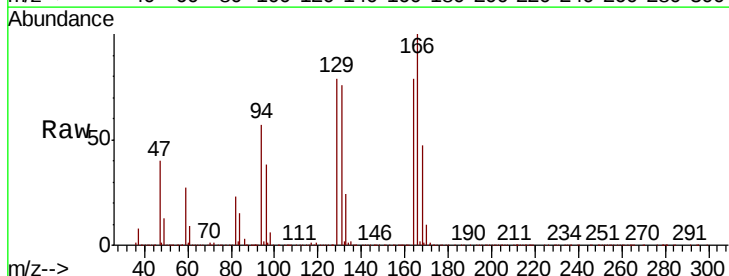
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

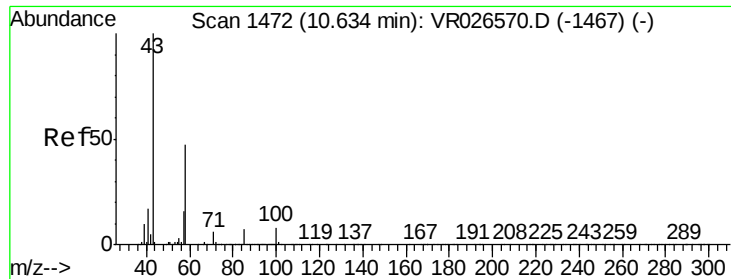
Tot Ion:	97	Resp:	185973
Ion	Ratio	Lower	Upper
97	100		
99	60.0	39.3	72.9
83	85.9	63.0	117.0
85	55.8	40.3	74.9



#47
 Tetrachloroethene
 Concen: 9.852 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Tgt Ion:	164	Resp:	391413
Ion	Ratio	Lower	Upper
164	100		
129	100.0	72.7	134.9
131	96.1	72.0	133.6
166	127.3	98.0	182.0

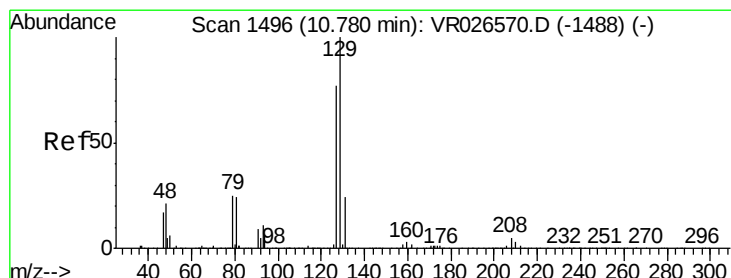
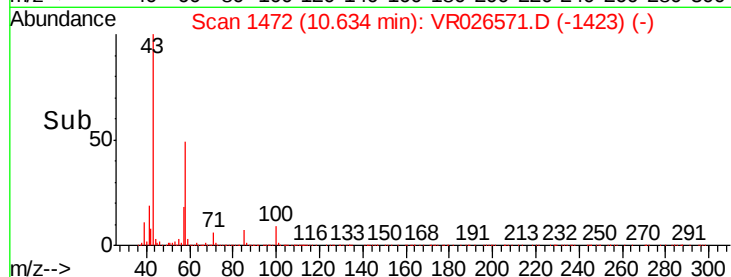
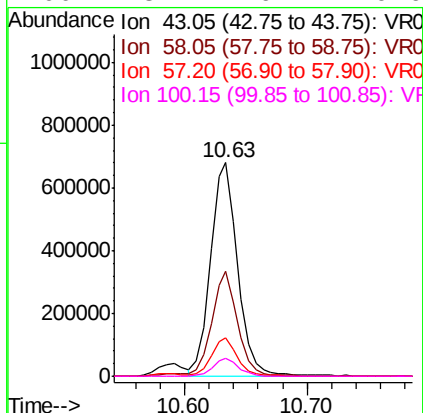
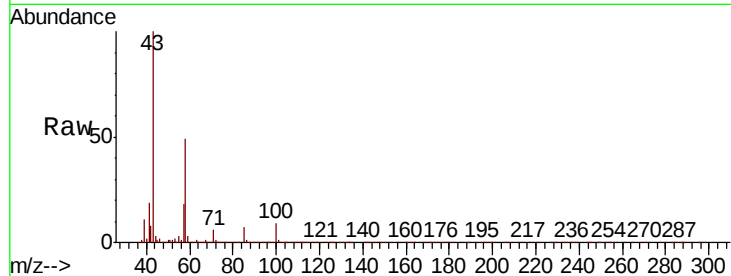




#48
2-Hexanone
Concen: 115.611 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

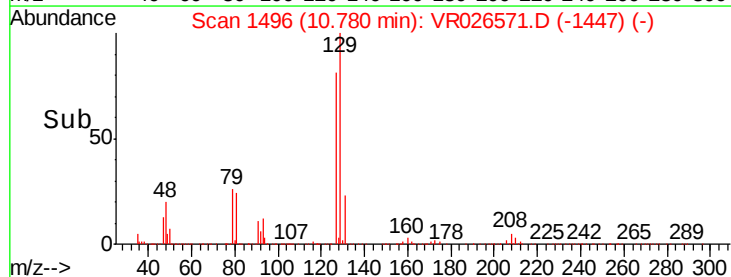
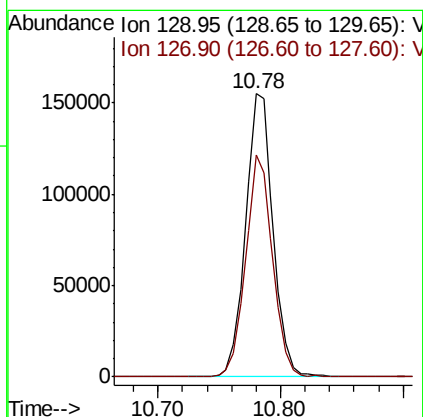
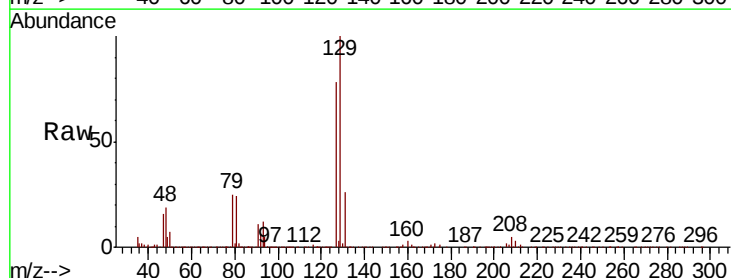
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

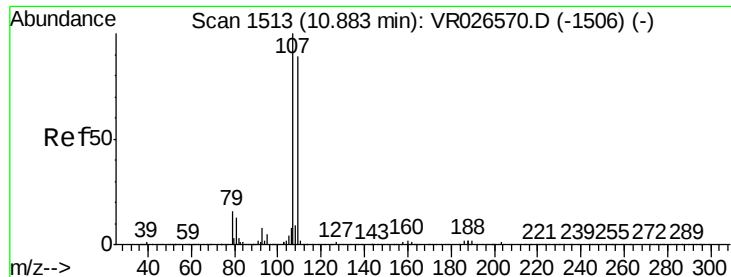
Tot Ion: 43 Resp: 1044165
Ion Ratio Lower Upper
43 100
58 46.6 37.2 55.8
57 16.9 13.4 20.0
100 8.2 6.4 9.6



#49
Dibromochloromethane
Concen: 9.944 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Tgt Ion: 129 Resp: 240315
Ion Ratio Lower Upper
129 100
127 78.3 53.9 100.1

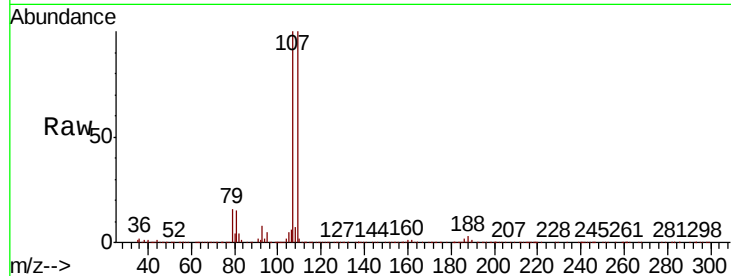




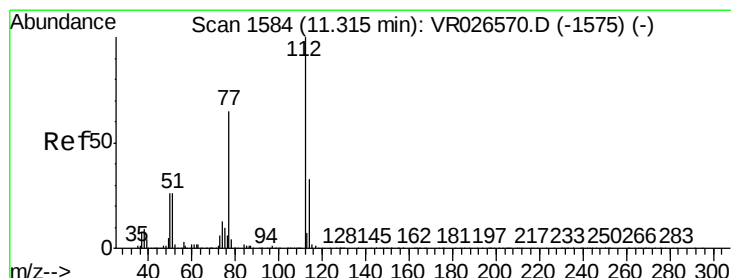
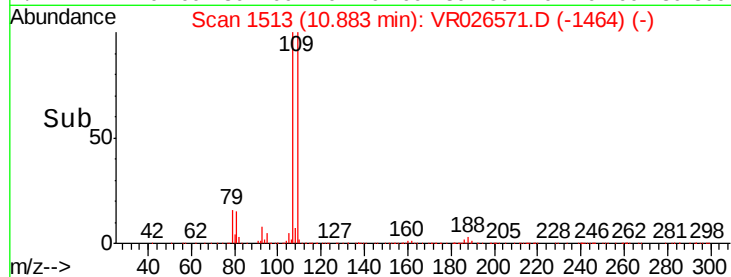
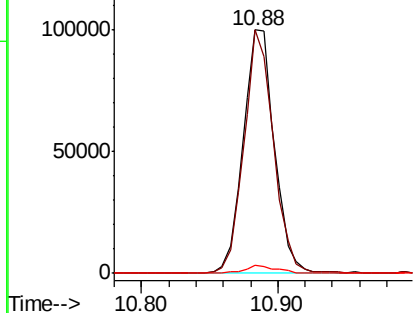
#50
1,2-Dibromoethane
Concen: 9.960 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.8	62.6	116.3
188	3.2	3.4	5.0#

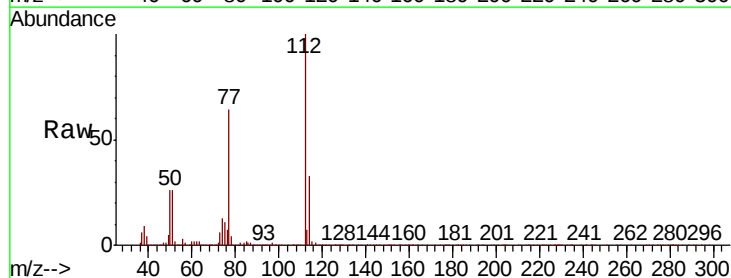


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

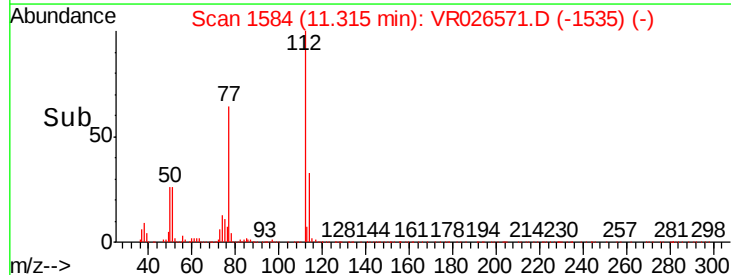
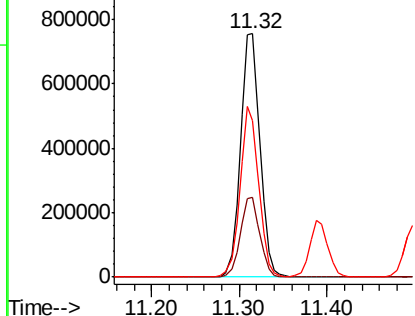


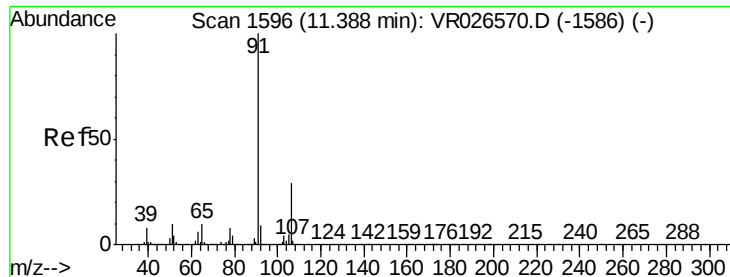
#51
Chlorobenzene
Concen: 9.725 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	64.3	51.8	77.8



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





#52

Ethylbenzene

Concen: 10.498 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

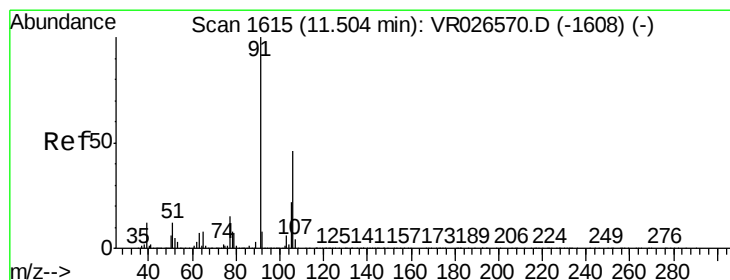
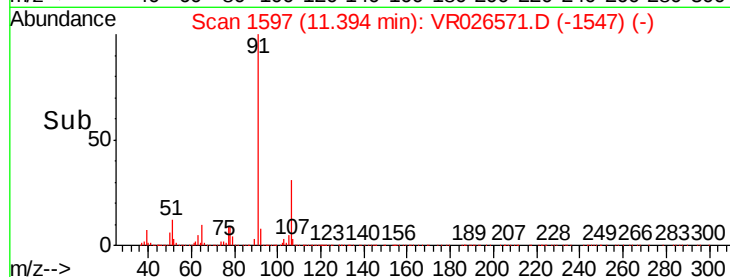
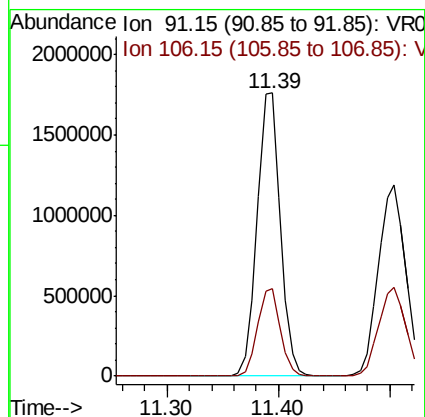
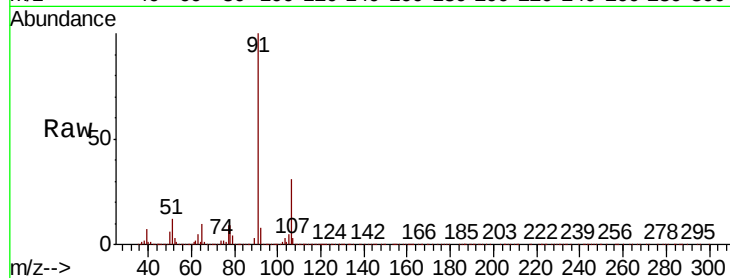
VSTD01086

Tot Ion: 91 Resp: 2566405

Ion Ratio Lower Upper

91 100

106 31.1 20.4 38.0



#53

m,p-Xylene

Concen: 10.692 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026571.D

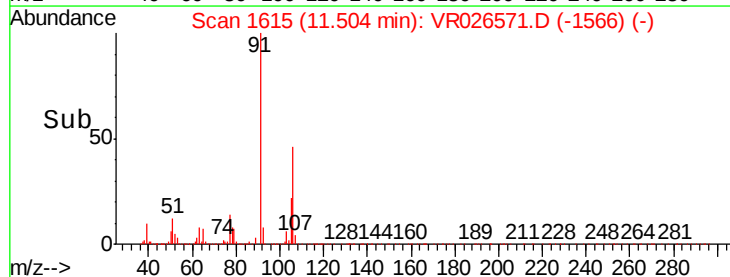
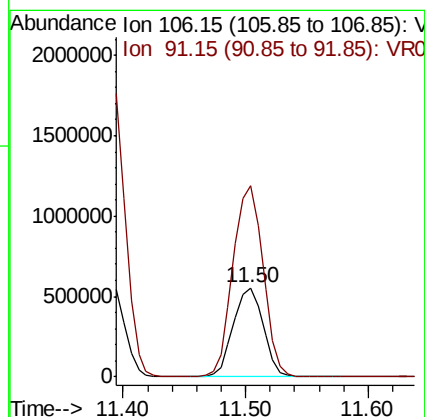
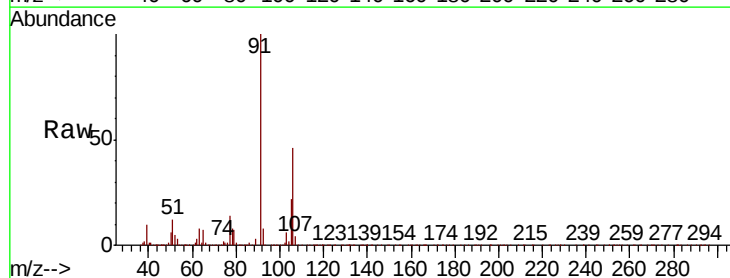
Acq: 11 Apr 2019 11:55

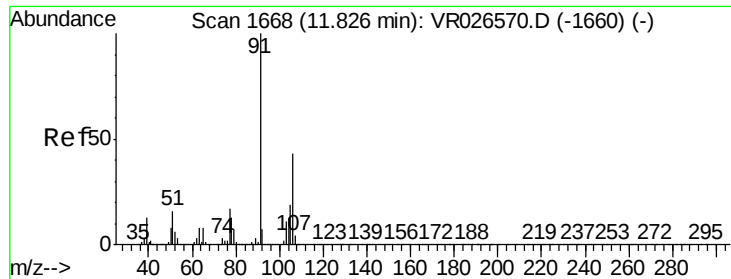
Tgt Ion:106 Resp: 935692

Ion Ratio Lower Upper

106 100

91 215.6 151.8 282.0

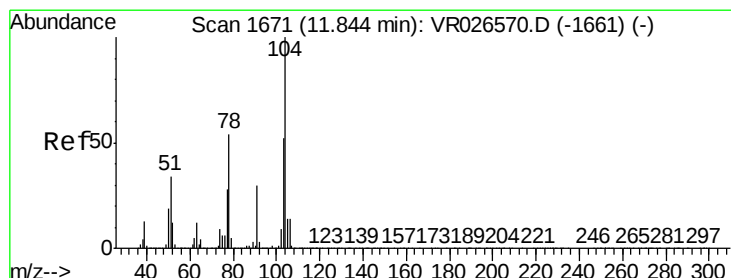
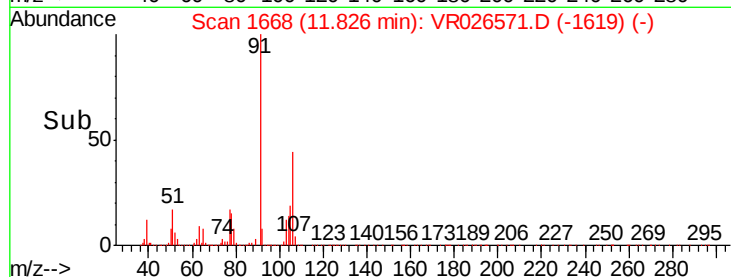
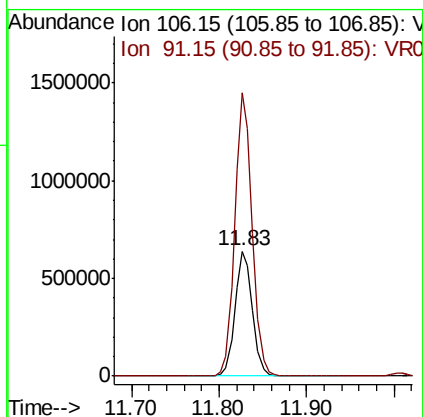
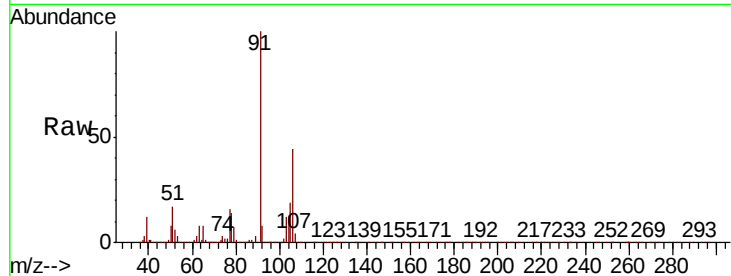




#54
o-Xylene
Concen: 11.460 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

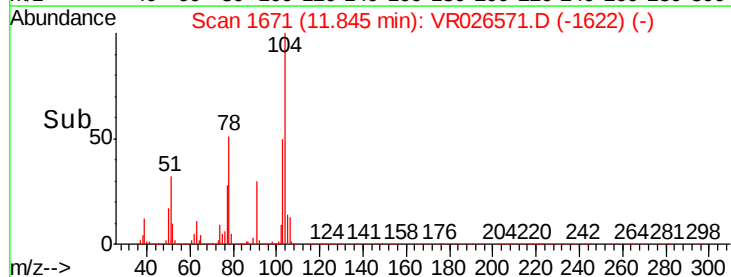
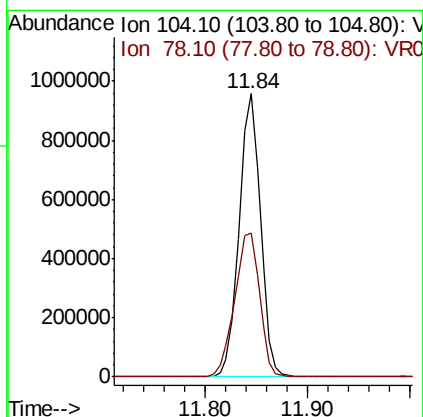
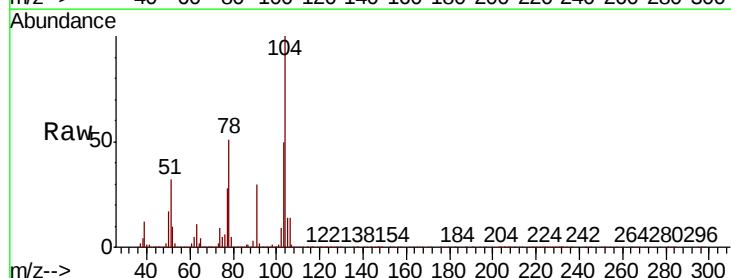
Instrument :
MSVOA_R
ClientSampleId :
VSTD01086

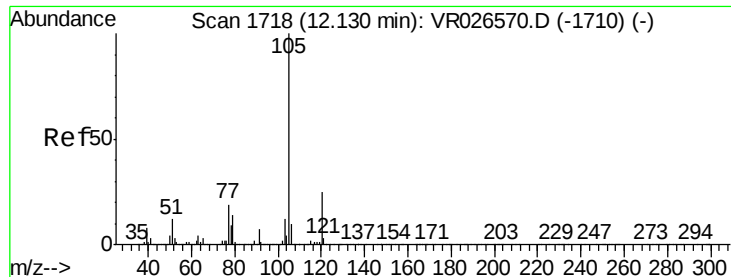
Tot Ion:106 Resp: 885483
Ion Ratio Lower Upper
106 100
91 226.0 161.0 299.0



#55
Styrene
Concen: 11.281 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026571.D
Acq: 11 Apr 2019 11:55

Tgt Ion:104 Resp: 1376685
Ion Ratio Lower Upper
104 100
78 50.8 37.5 69.7





#56

Isopropylbenzene

Concen: 11.353 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

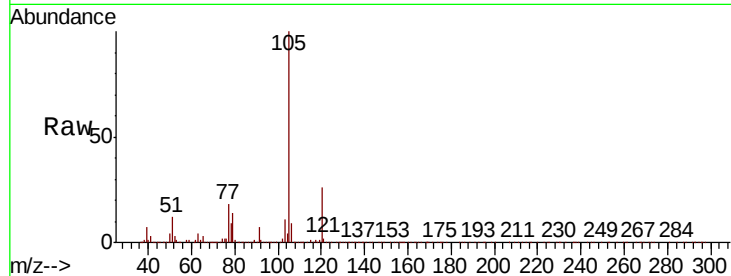
Tot Ion:105 Resp: 2476171

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

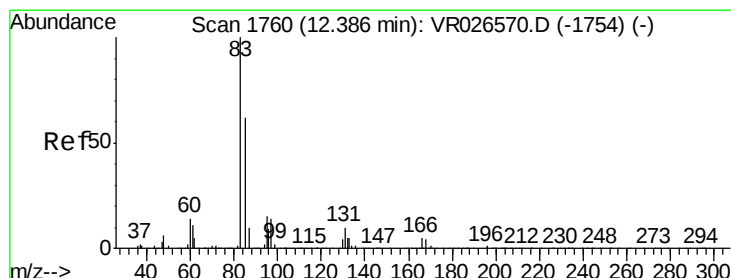
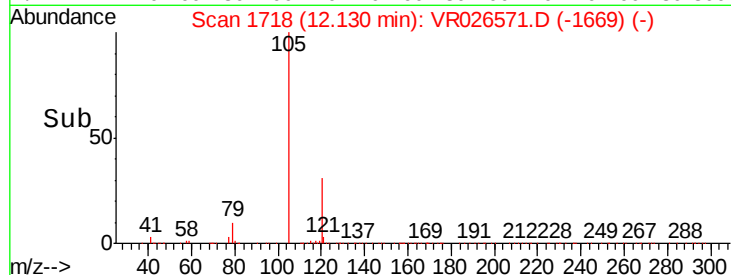
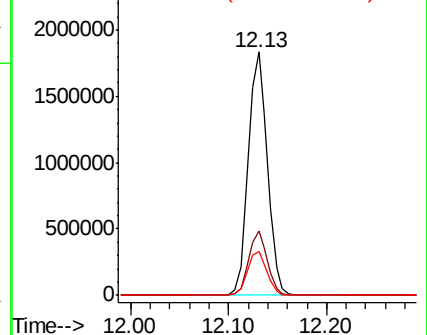
77 18.3 14.3 21.5



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: 9.930 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

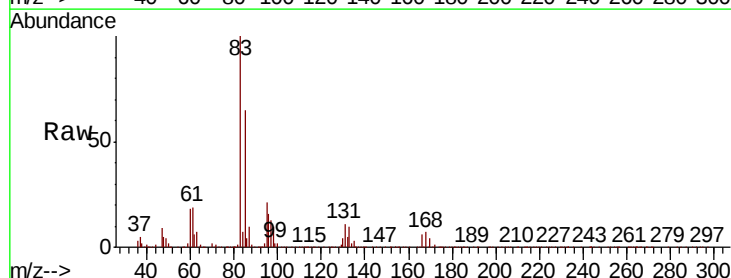
Tgt Ion: 83 Resp: 179481

Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

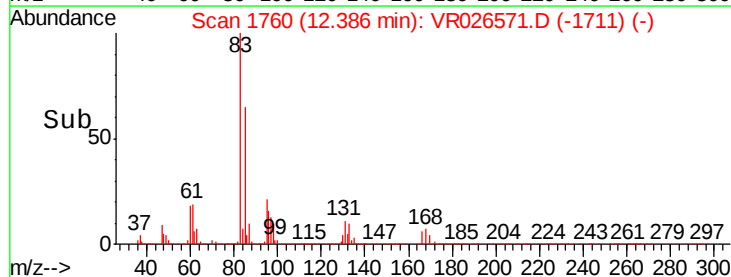
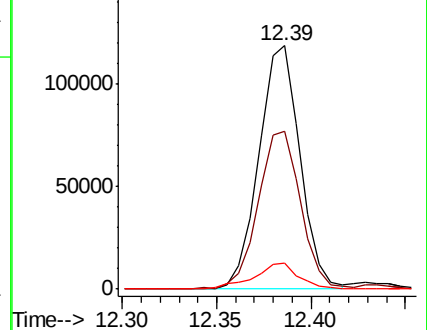
131 10.7 8.9 13.3

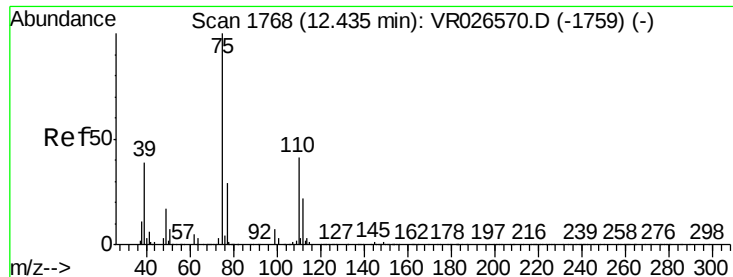


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

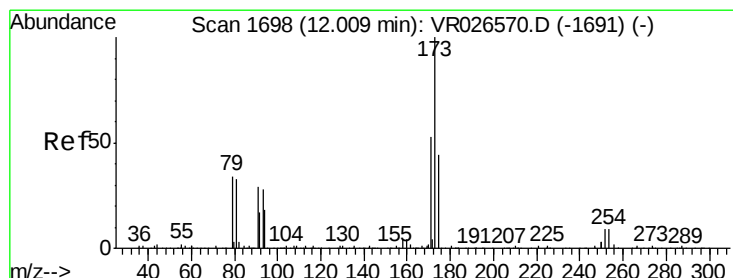
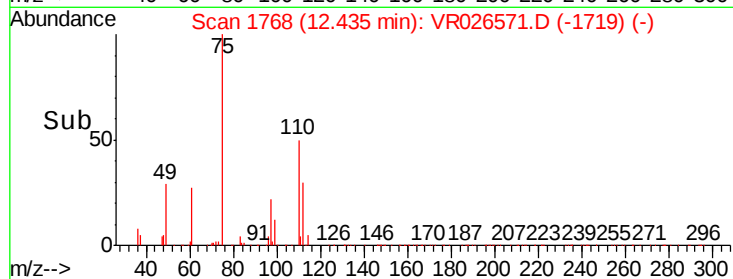
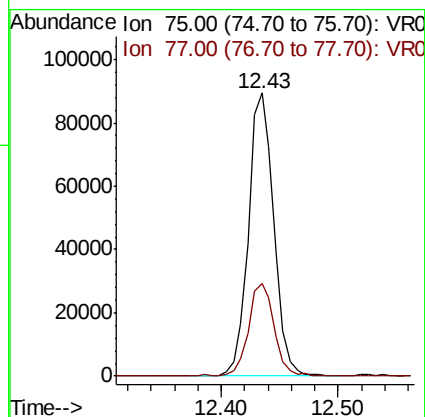
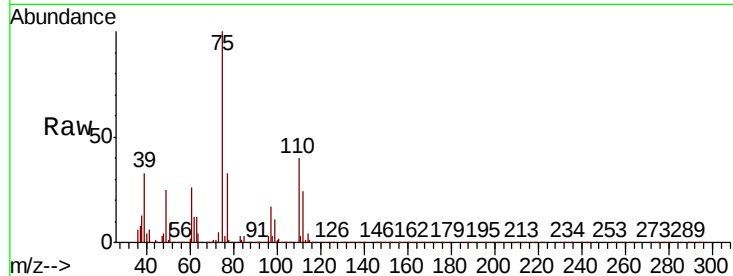




#59
 1,2,3-Trichloropropane
 Concen: 9.900 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

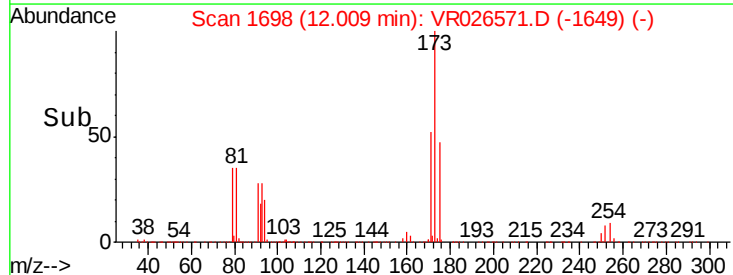
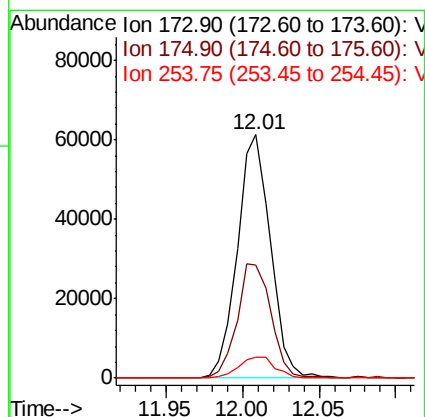
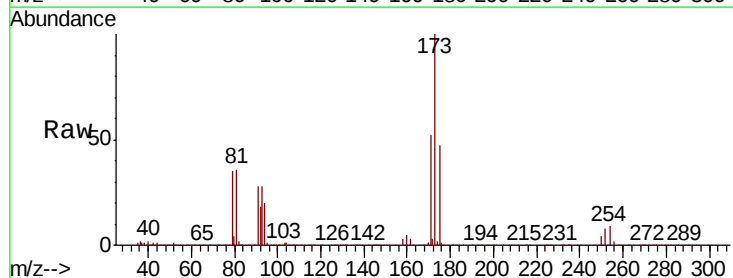
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

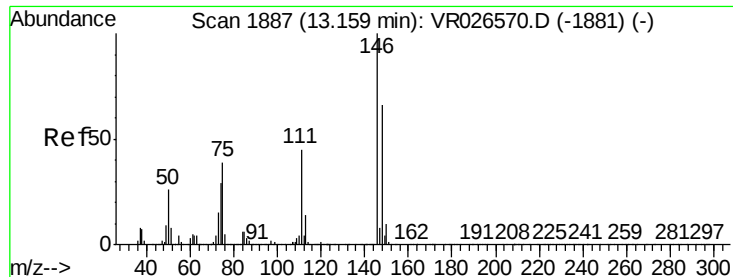
Tot Ion: 75 Resp: 135225
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8



#61
 Bromoform
 Concen: 9.018 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Tgt Ion:173 Resp: 91905
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.1 58.7
 254 9.6 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 10.233 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

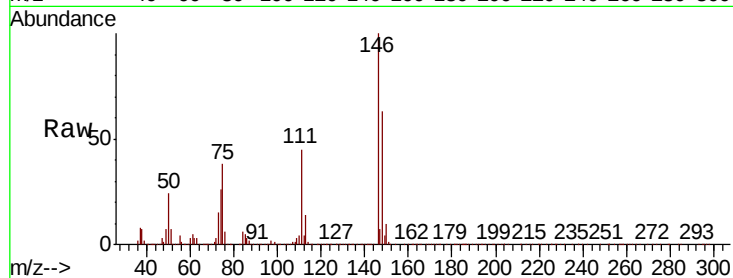
Tot Ion:146 Resp: 748881

Ion Ratio Lower Upper

146 100

111 45.1 31.4 58.2

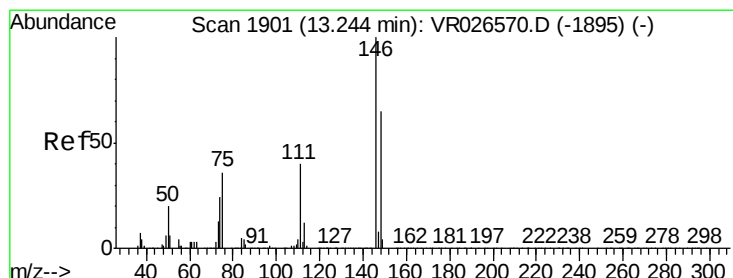
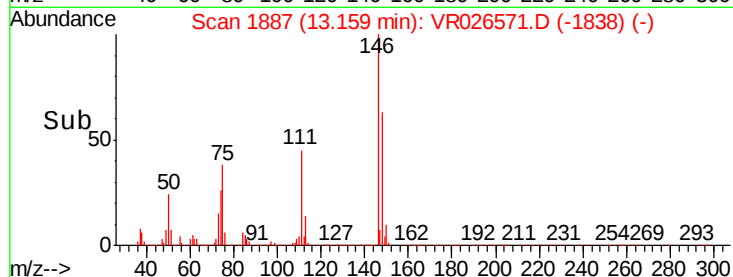
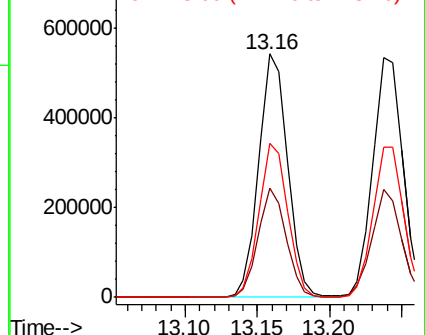
148 63.2 46.5 86.5



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: 9.223 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

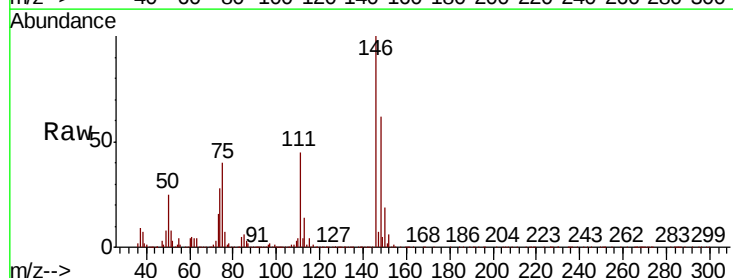
Tgt Ion:146 Resp: 768443

Ion Ratio Lower Upper

146 100

111 44.9 28.4 52.8

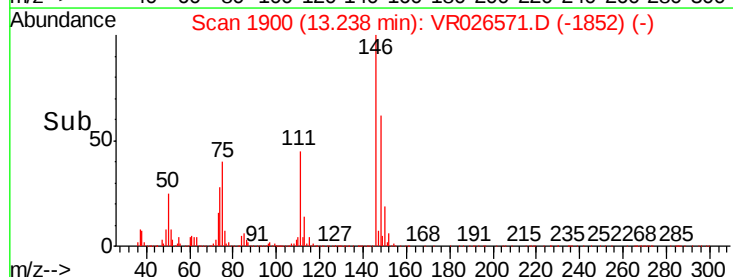
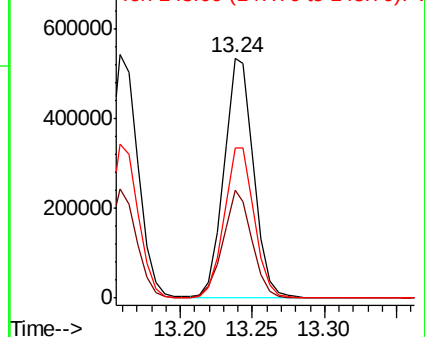
148 62.3 45.4 84.4

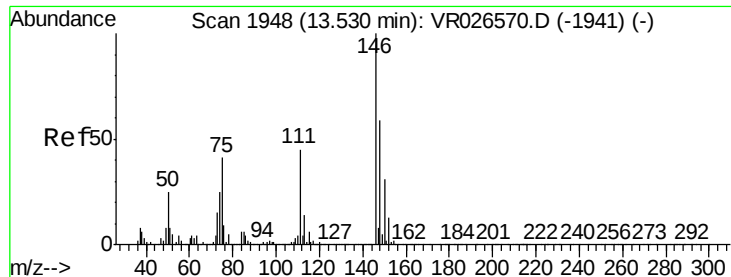


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.896 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

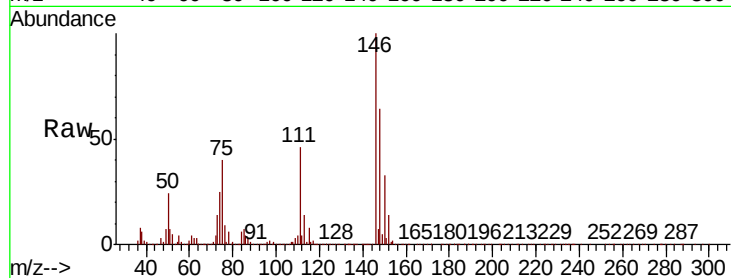
Tot Ion:146 Resp: 610174

Ion Ratio Lower Upper

146 100

111 45.9 35.8 53.8

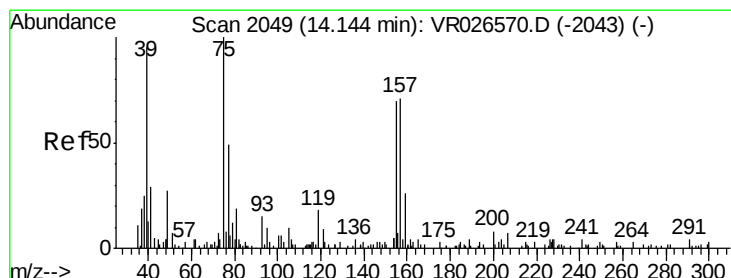
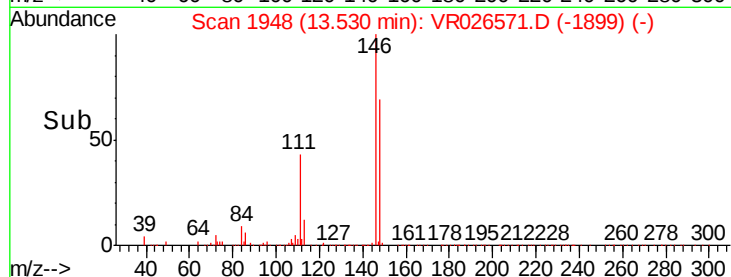
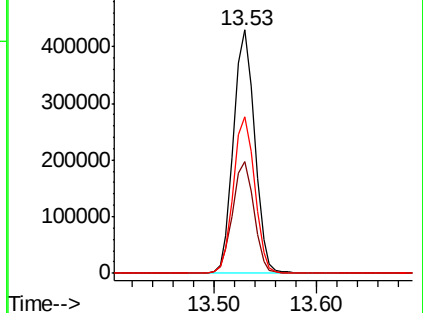
148 64.1 47.4 71.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 8.182 ug/L

RT: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

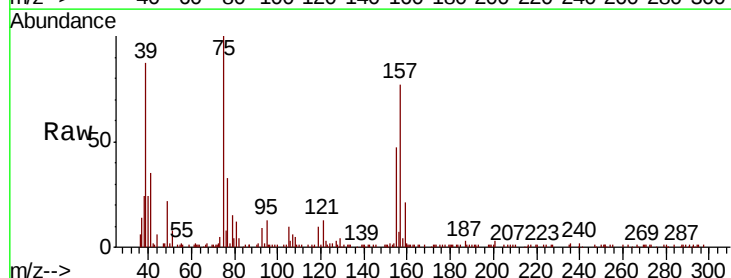
Tgt Ion: 75 Resp: 19000

Ion Ratio Lower Upper

75 100

155 46.7 57.2 85.8#

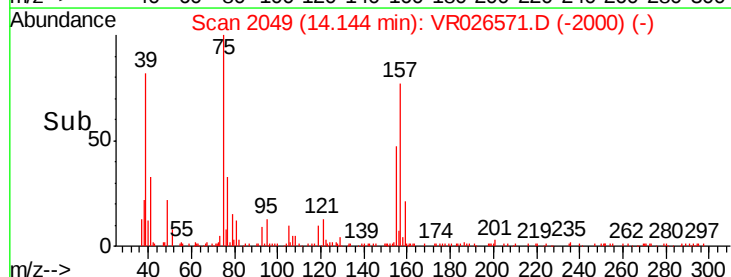
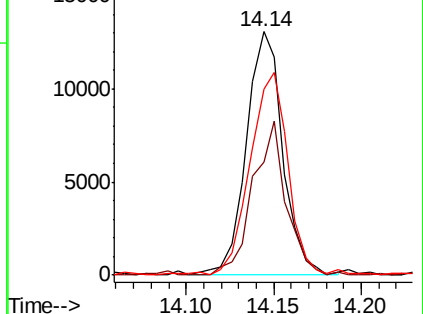
157 76.6 56.7 85.1

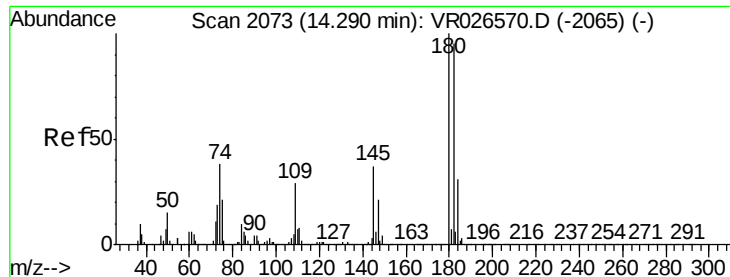


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

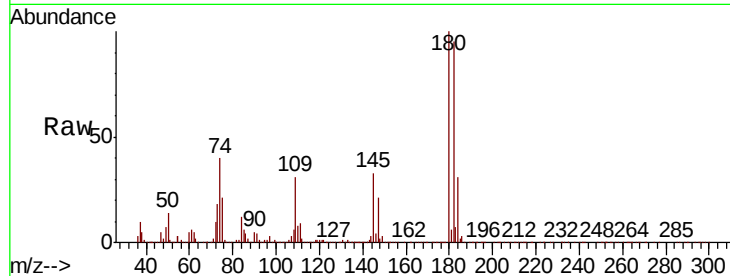




#67
 1,3,5-Trichlorobenzene
 Concen: 9.901 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01086

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.4	111.6
184	30.3	24.6	37.0
145	33.1	26.2	39.4



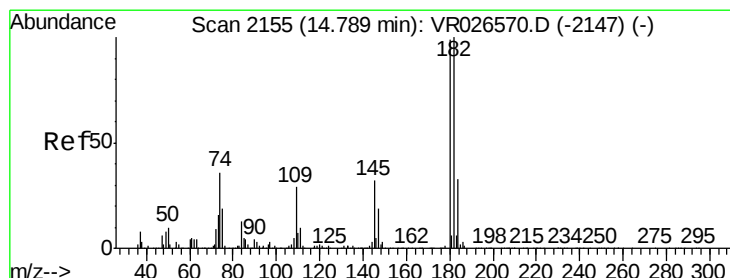
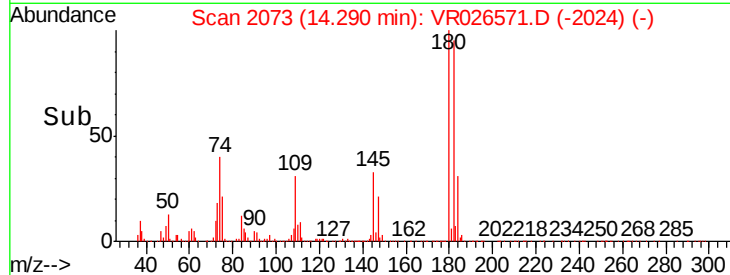
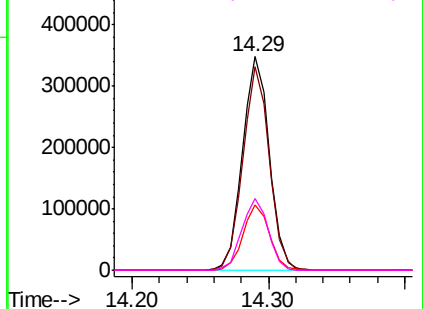
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

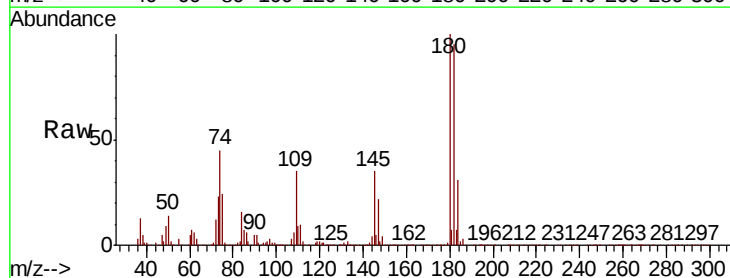
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.483 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026571.D
 Acq: 11 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	34.6	26.1	39.1

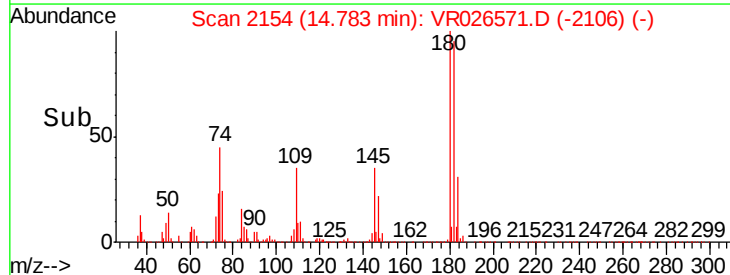
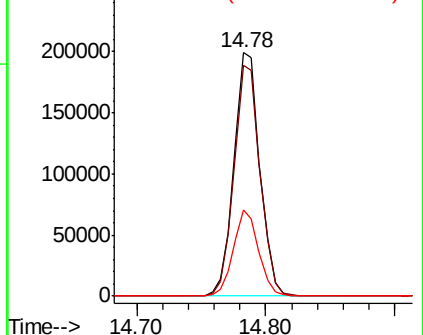


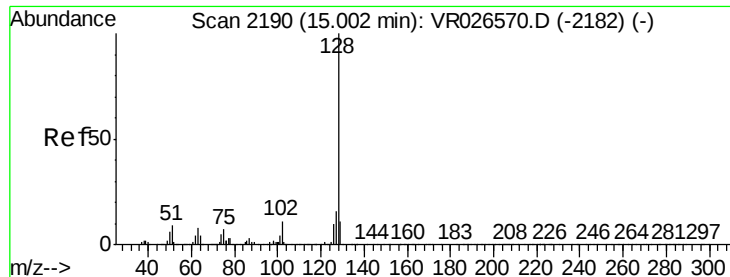
Abundance

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: 12.252 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD01086

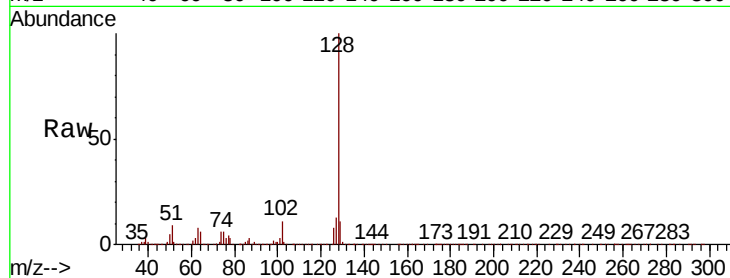
Tot Ion:128 Resp: 301947

Ion Ratio Lower Upper

128 100

127 13.4 11.8 17.6

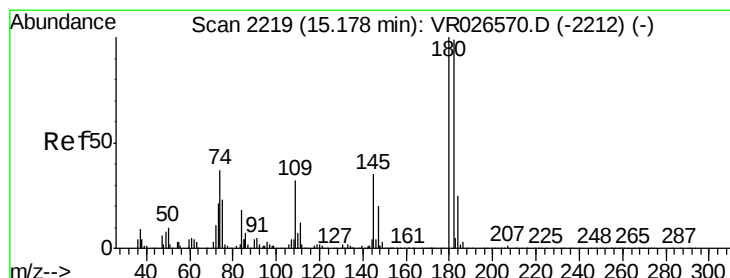
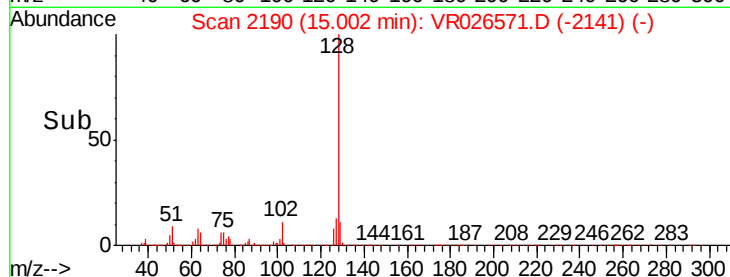
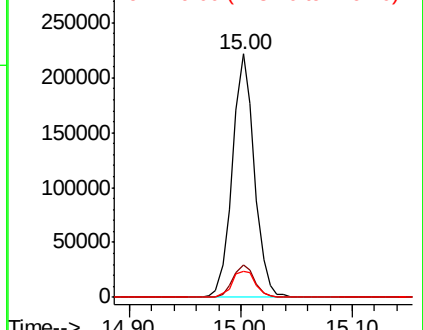
129 11.7 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.248 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026571.D

Acq: 11 Apr 2019 11:55

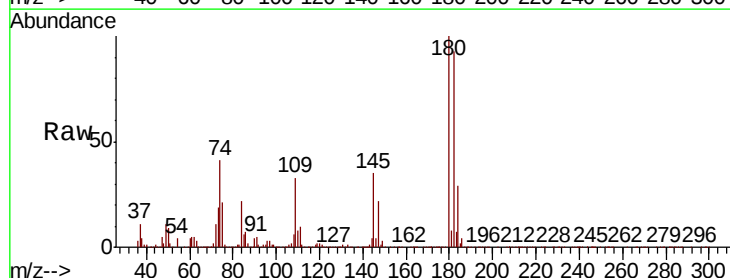
Tgt Ion:180 Resp: 210880

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 34.9 27.6 41.4



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

