

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

Quant Time: Nov 27 06:12:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 06:08:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	582375	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	513256	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	219129	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	479740	9.30	ug/L	0.00
7) Chloroethane-d5	2.63	69	396001	9.10	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	1188420	9.52	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	418272	106.35	ug/L	0.00
24) Chloroform-d	7.20	84	852042	9.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	327002	9.52	ug/L	0.00
32) Benzene-d6	7.85	84	1739542	9.83	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	421251	9.34	ug/L	0.00
41) Toluene-d8	9.97	98	1678796	10.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	118999	9.73	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	316249	114.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	181200	9.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	366490	9.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	417779	10.435 ug/L	93
3) Chloromethane	2.02	50	505120	9.154 ug/L	96
5) Vinyl chloride	2.17	62	522933	9.585 ug/L	96
6) Bromomethane	2.53	94	327482	8.969 ug/L	93
8) Chloroethane	2.66	64	316557	9.261 ug/L	97
9) Trichlorofluoromethane	2.94	101	351434	4.059 ug/L	# 1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	467139	9.702 ug/L	98
12) 1,1-Dichloroethene	3.63	96	504706	9.697 ug/L	80
13) Acetone	3.70	43	350536	97.376 ug/L	98
14) Carbon disulfide	3.94	76	1336428	10.178 ug/L	98
15) Methyl Acetate	4.19	43	86866	8.918 ug/L	97
16) Methylene chloride	4.40	84	414860	8.736 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	529964	10.275 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	456691	10.365 ug/L	97
19) 1,1-Dichloroethane	5.69	63	781529	9.737 ug/L	95
21) 2-Butanone	6.69	43	477614	103.986 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	426831	10.850 ug/L	# 92
23) Bromochloromethane	7.05	128	115226	9.419 ug/L	95
25) Chloroform	7.23	83	794990	8.972 ug/L	100
27) 1,2-Dichloroethane	7.99	62	346025	9.478 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	691241	9.729 ug/L	99
30) Cyclohexane	7.51	56	714563	11.710 ug/L	99
31) Carbon tetrachloride	7.63	117	634064	9.957 ug/L	99
33) Benzene	7.91	78	1850722	9.954 ug/L	100
34) Trichloroethene	8.71	95	477305	9.876 ug/L	97
35) Methylcyclohexane	8.95	83	722460	11.073 ug/L	99
37) 1,2-Dichloropropane	9.00	63	366630	9.434 ug/L	100
38) Bromodichloromethane	9.28	83	429667	9.360 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	470676	10.776 ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	1184923	106.544 ug/L	100

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

Quant Time: Nov 27 06:12:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 06:08:04 2018
Response via : Initial Calibration

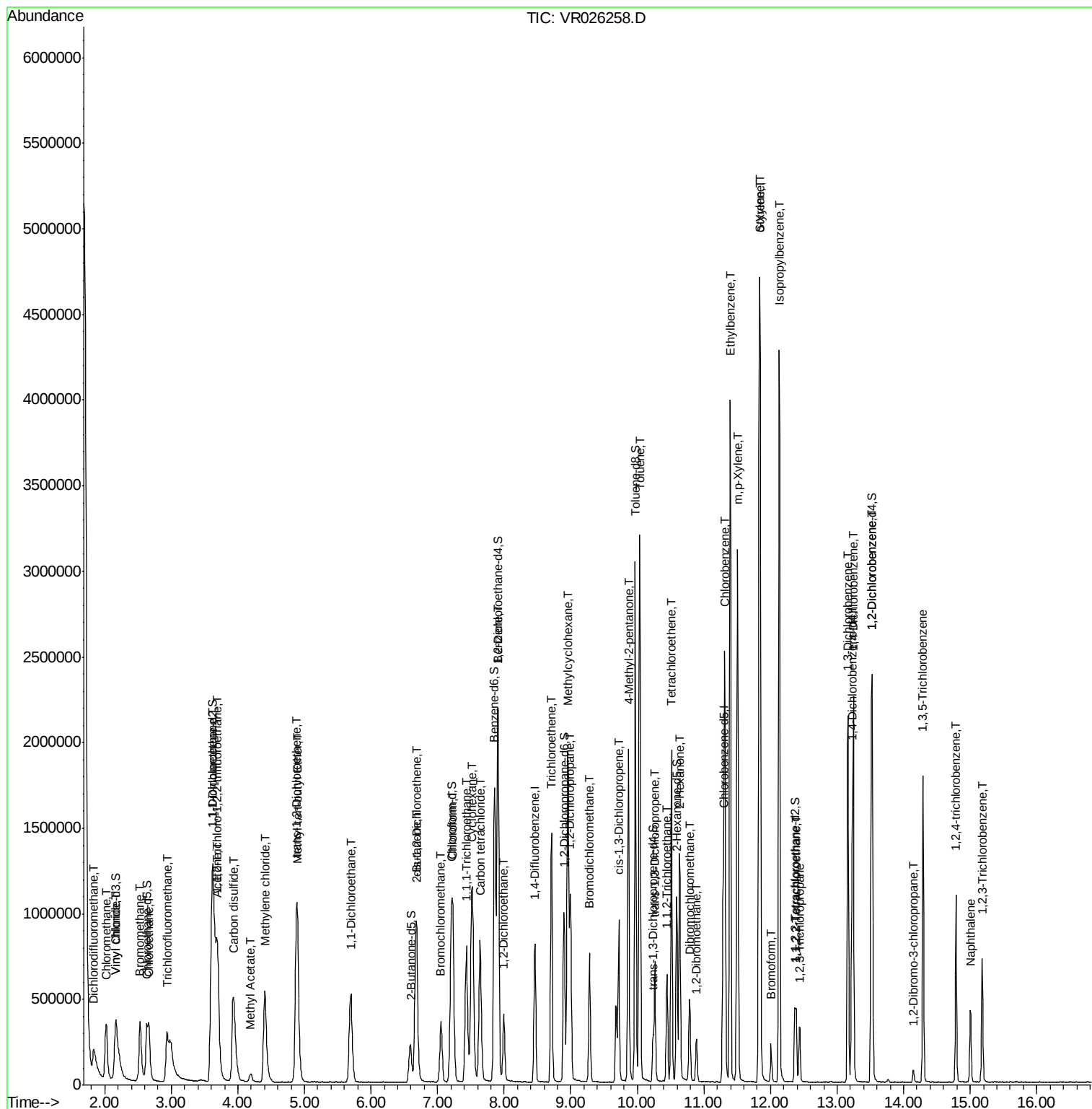
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.04	91	2003970	9.932	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	319792	10.810	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	159997	9.260	ug/L	94
47) Tetrachloroethene	10.51	164	350976	10.075	ug/L	96
48) 2-Hexanone	10.63	43	790632	106.219	ug/L	99
49) Dibromochloromethane	10.79	129	211106	10.159	ug/L	99
50) 1,2-Dibromoethane	10.89	107	141155	9.736	ug/L #	97
51) Chlorobenzene	11.32	112	1086379	9.690	ug/L	98
52) Ethylbenzene	11.39	91	2367633	10.614	ug/L	99
53) m,p-Xylene	11.50	106	876075	10.792	ug/L	93
54) o-Xylene	11.83	106	829952	11.283	ug/L	95
55) Styrene	11.84	104	1287646	10.990	ug/L	100
56) Isopropylbenzene	12.13	105	2332059	11.412	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	166749	10.086	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	119392	9.874	ug/L	99
61) Bromoform	12.01	173	83593	9.715	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	701759	10.082	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	714249	9.314	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	558269	9.734	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	16586	8.523	ug/L	91
67) 1,3,5-Trichlorobenzene	14.30	180	430998	9.918	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	257881	10.689	ug/L	99
69) Naphthalene	15.00	128	281287	11.932	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	181586	10.147	ug/L	97

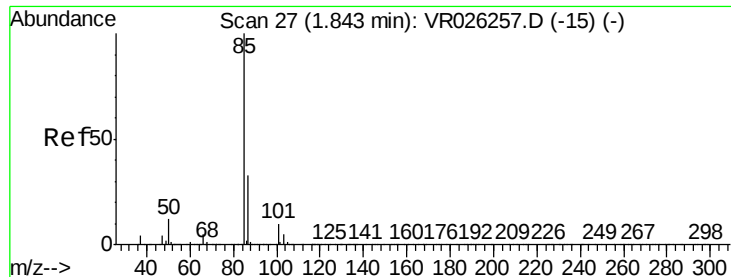
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026258.D
Acq On : 21 Nov 2018 13:16
Operator : SY/MD
Sample : VSTD01099
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

Quant Time: Nov 27 06:12:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 06:08:04 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 10.435 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

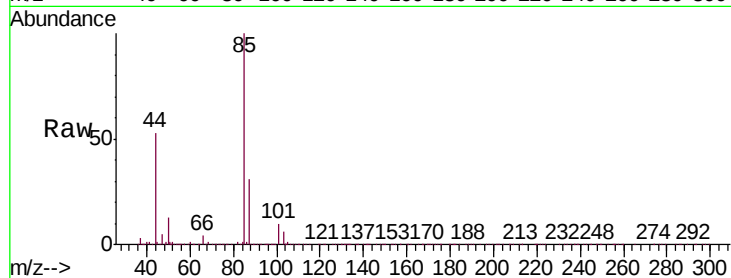
VSTD01099

Tgt Ion: 85 Resp: 417779

Ion Ratio Lower Upper

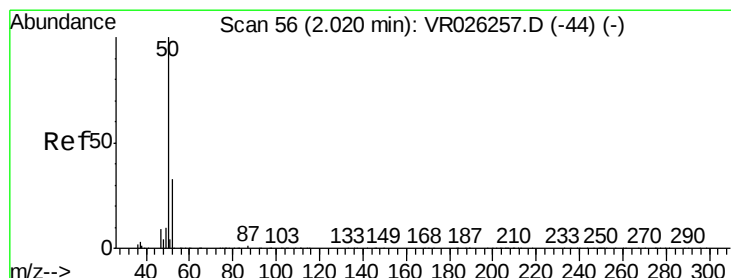
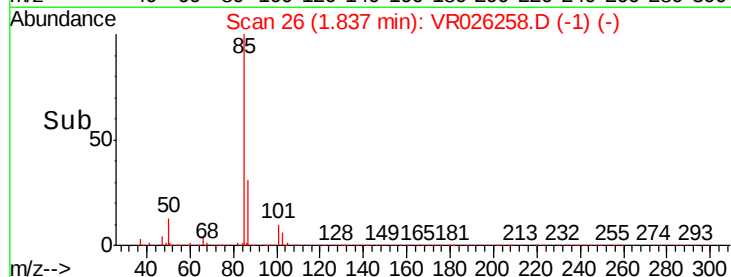
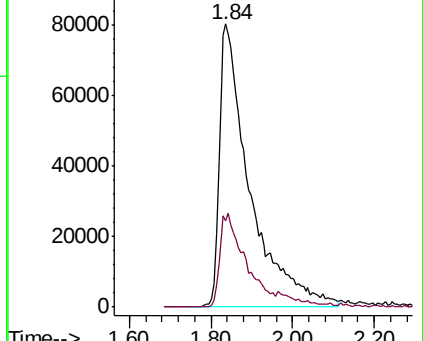
85 100

87 28.2 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 9.154 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.00 min

Lab File: VR026258.D

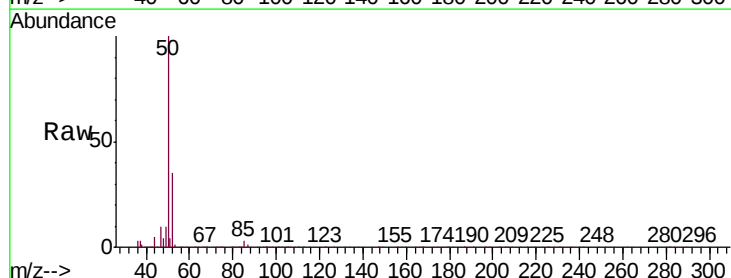
Acq: 21 Nov 2018 13:16

Tgt Ion: 50 Resp: 505120

Ion Ratio Lower Upper

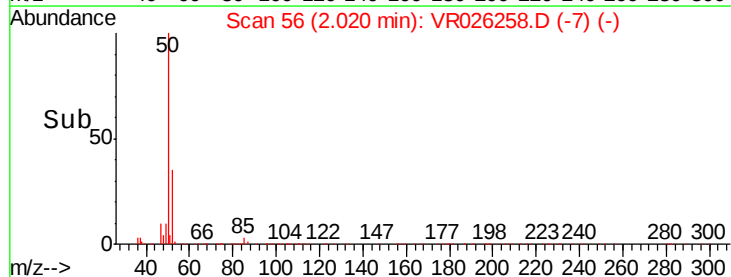
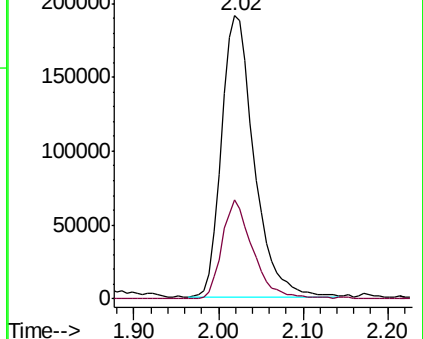
50 100

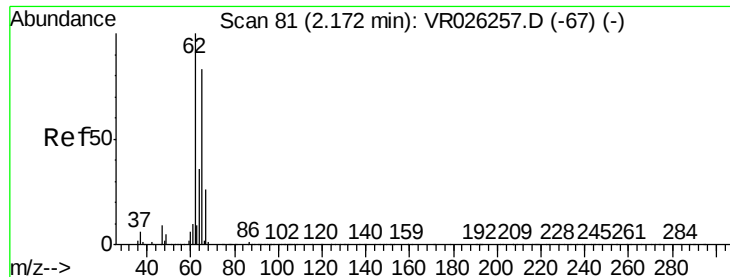
52 34.9 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 9.585 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

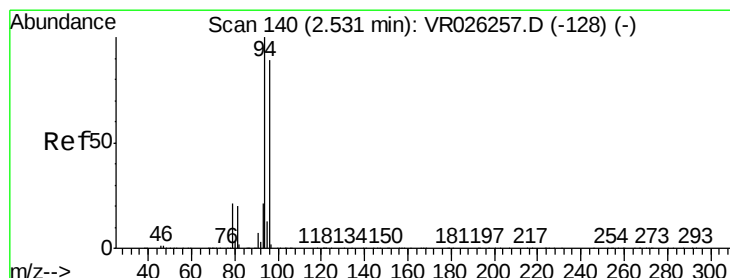
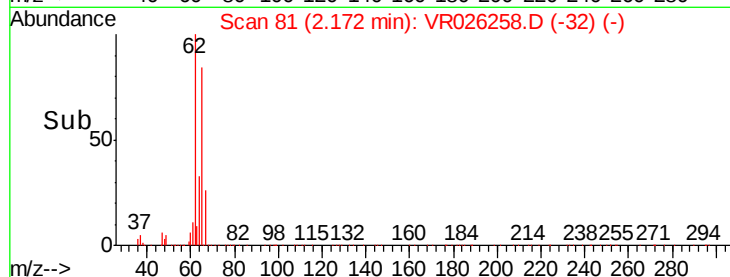
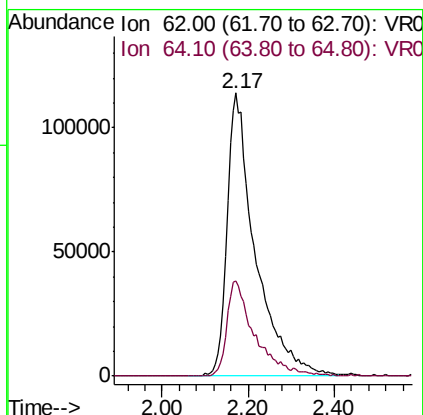
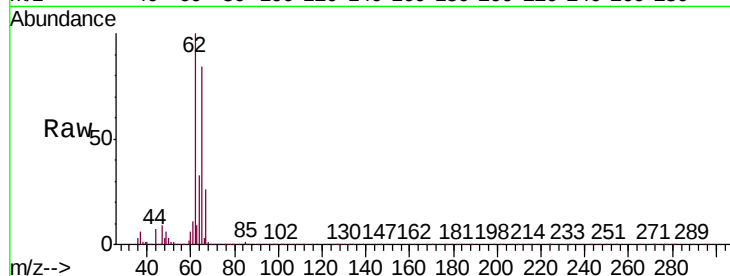
VSTD01099

Tgt Ion: 62 Resp: 522933

Ion Ratio Lower Upper

62 100

64 33.5 25.1 46.7



#6

Bromomethane

Concen: 8.969 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026258.D

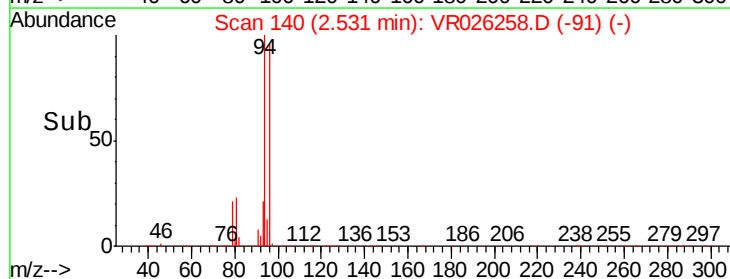
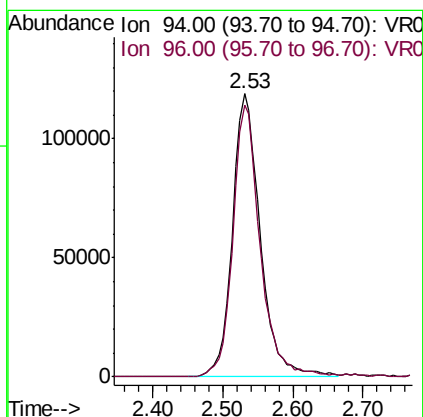
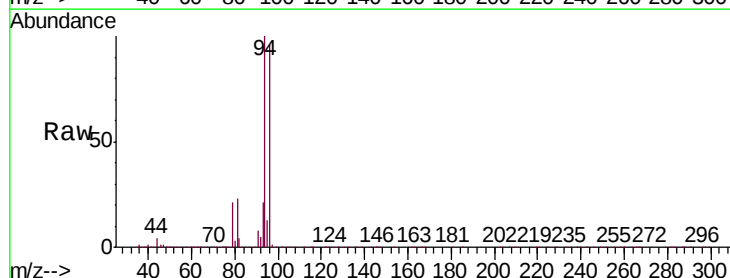
Acq: 21 Nov 2018 13:16

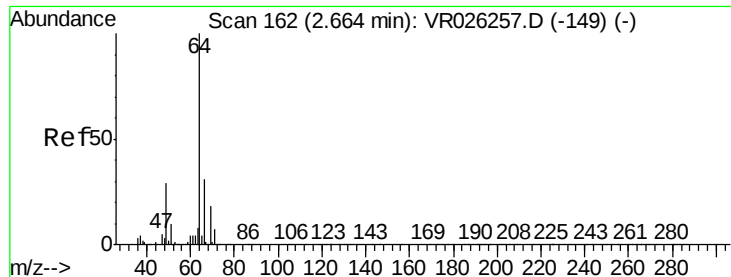
Tgt Ion: 94 Resp: 327482

Ion Ratio Lower Upper

94 100

96 95.8 62.4 115.8





#8

Chloroethane

Concen: 9.261 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

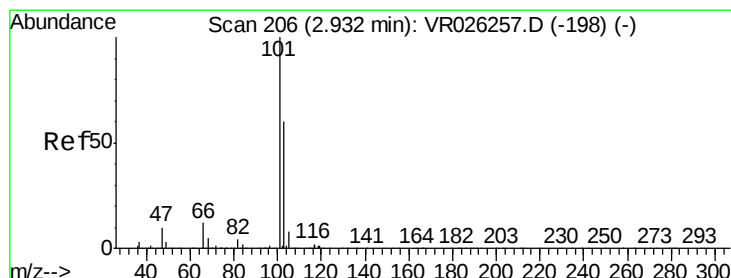
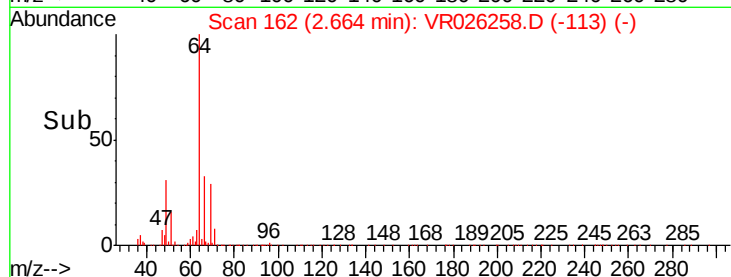
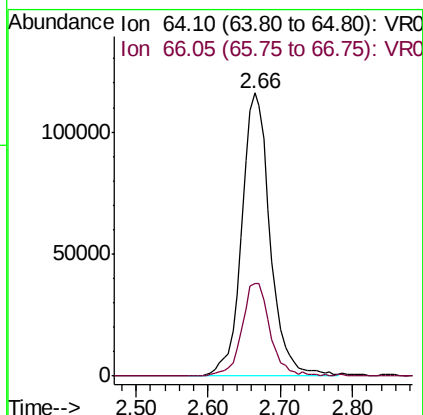
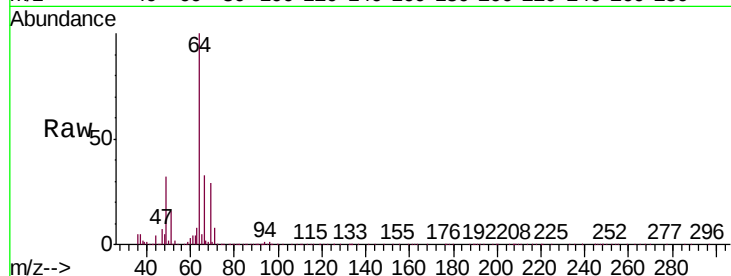
VSTD01099

Tgt Ion: 64 Resp: 316557

Ion Ratio Lower Upper

64 100

66 32.9 21.9 40.7



#9

Trichlorofluoromethane

Concen: 4.059 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026258.D

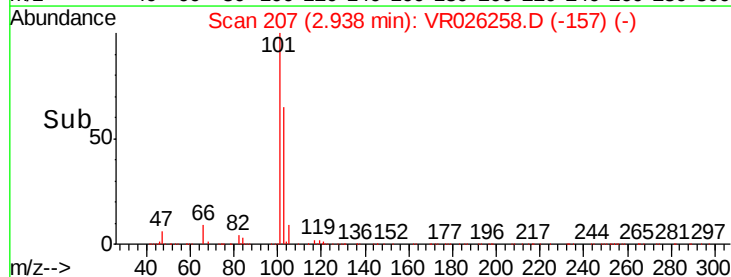
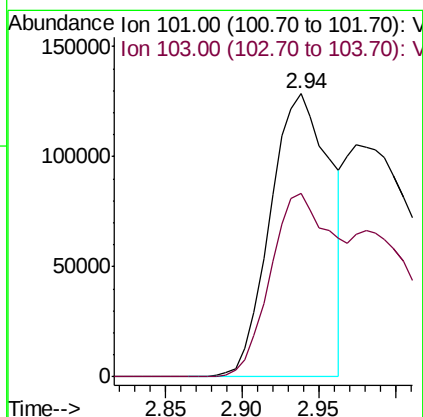
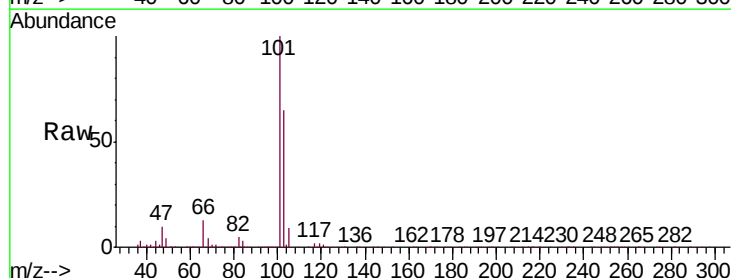
Acq: 21 Nov 2018 13:16

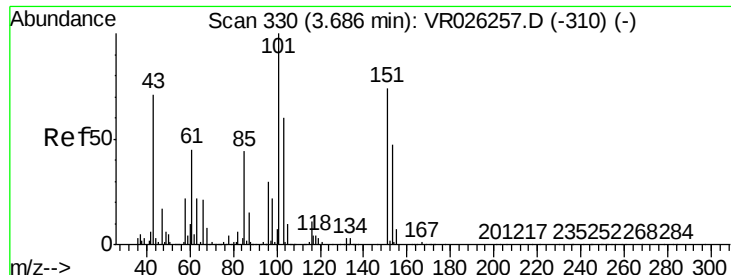
Tgt Ion: 101 Resp: 351434

Ion Ratio Lower Upper

101 100

103 71.0 18.3 27.5#





#10

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

Concen: 9.702 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD01099

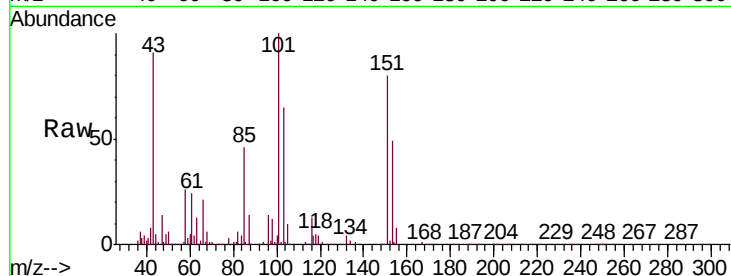
Tgt Ion: 101 Resp: 467139

Ion Ratio Lower Upper

101 100

85 47.9 37.0 55.6

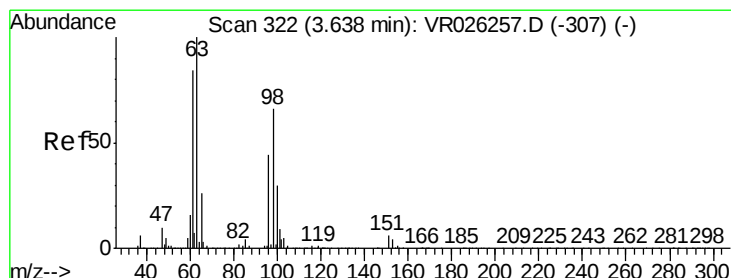
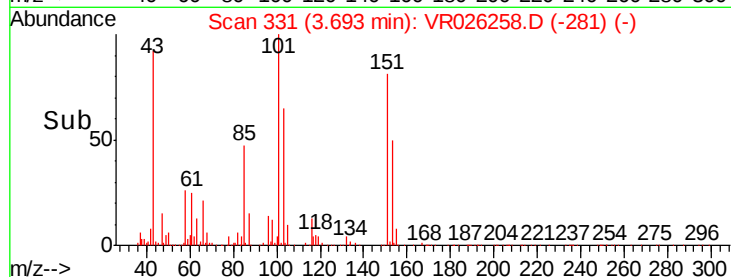
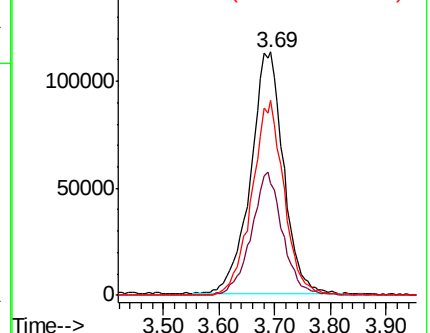
151 77.7 61.1 91.7



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: 9.697 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

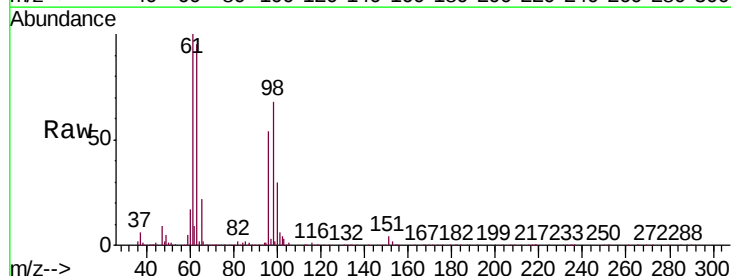
Tgt Ion: 96 Resp: 504706

Ion Ratio Lower Upper

96 100

61 185.8 135.5 251.7

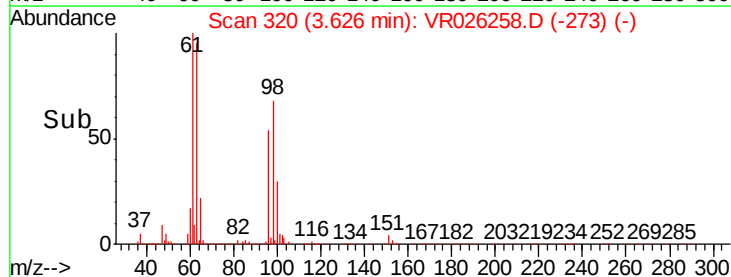
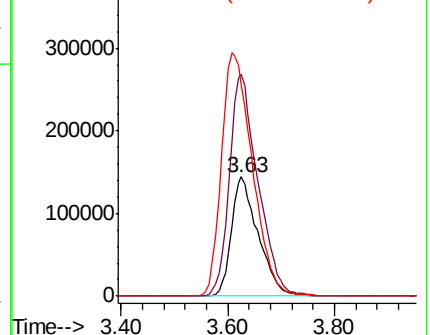
63 177.2 160.5 298.1

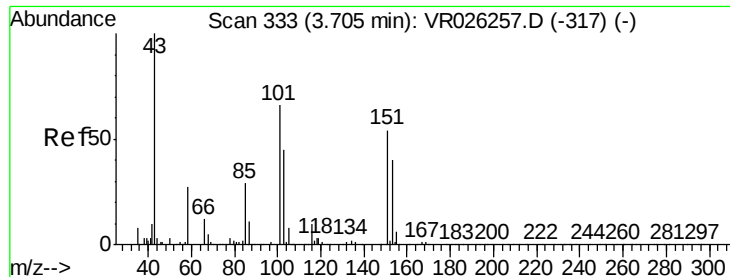


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 97.376 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

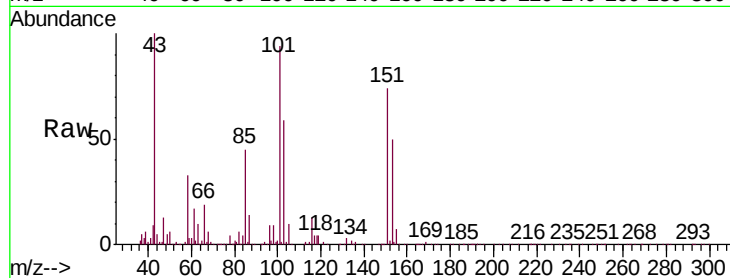
VSTD01099

Tgt Ion: 43 Resp: 350536

Ion Ratio Lower Upper

43 100

58 29.6 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

120000

100000

80000

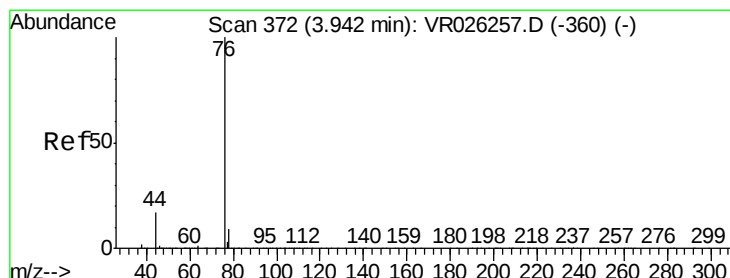
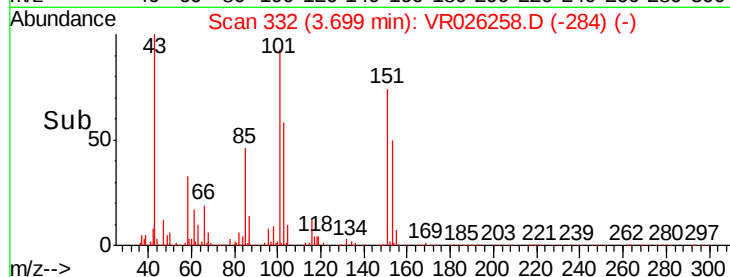
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 10.178 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.01 min

Lab File: VR026258.D

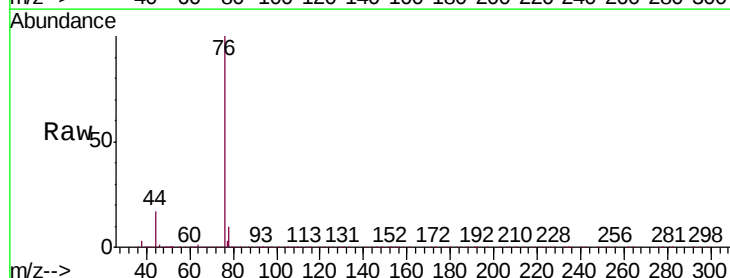
Acq: 21 Nov 2018 13:16

Tgt Ion: 76 Resp: 1336428

Ion Ratio Lower Upper

76 100

78 10.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.94

400000

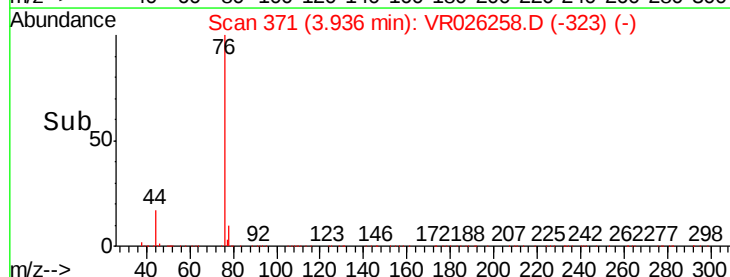
300000

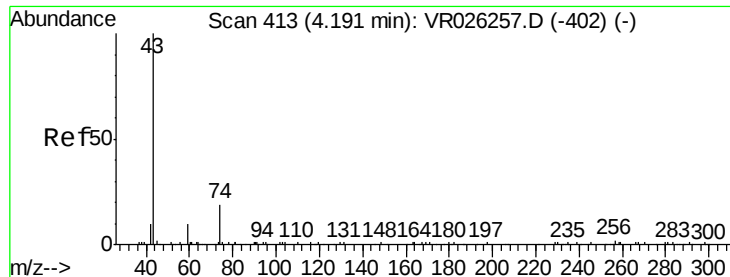
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 8.918 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

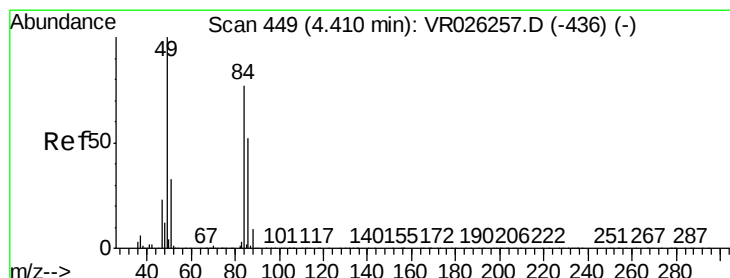
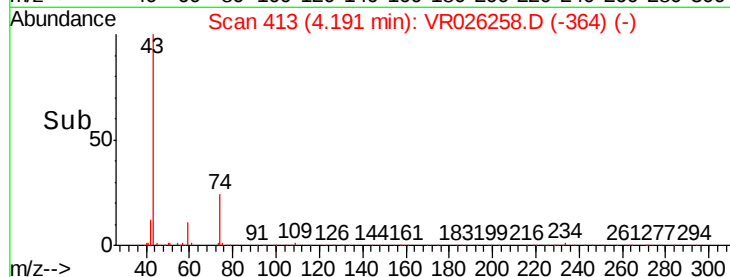
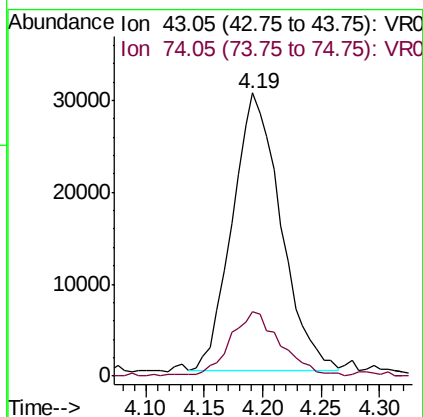
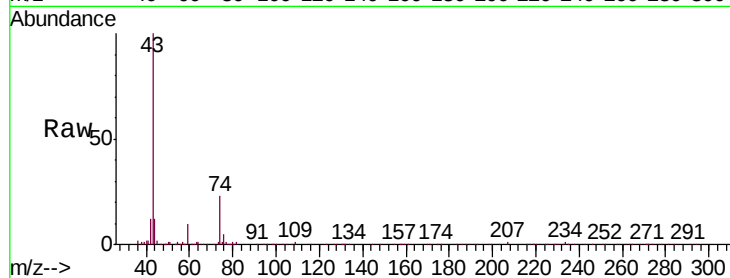
VSTD01099

Tgt Ion: 43 Resp: 86866

Ion Ratio Lower Upper

43 100

74 24.4 21.0 31.4



#16

Methylene chloride

Concen: 8.736 ug/L

RT: 4.40 min Scan# 448

Delta R.T. -0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

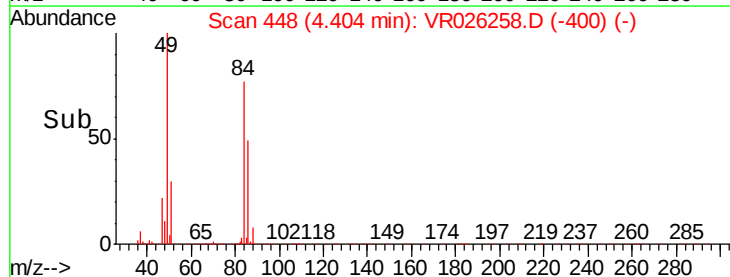
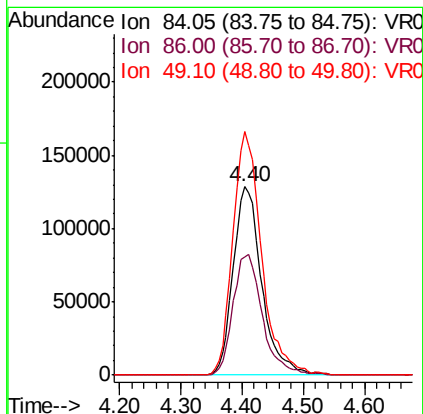
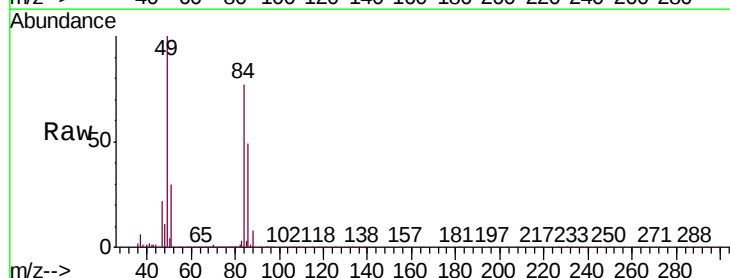
Tgt Ion: 84 Resp: 414860

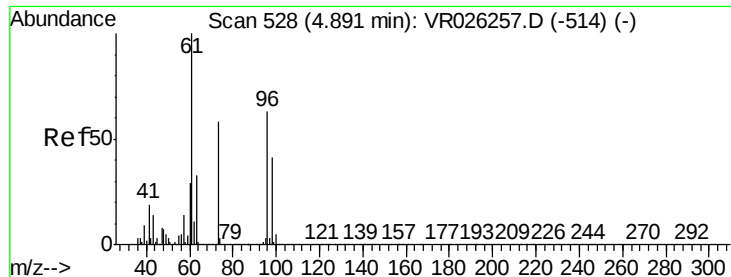
Ion Ratio Lower Upper

84 100

86 62.8 46.8 87.0

49 129.2 90.8 168.6

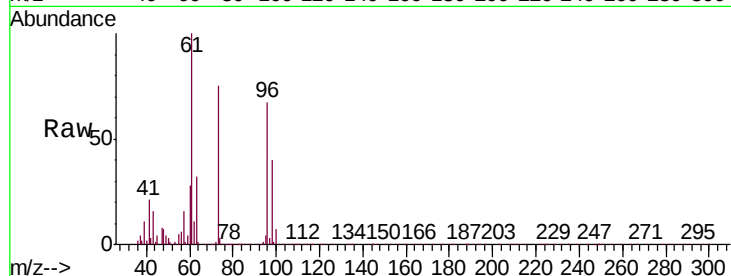




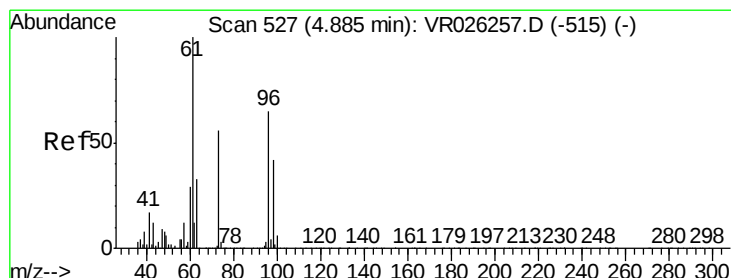
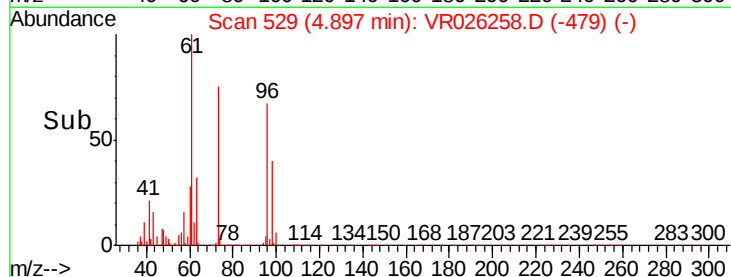
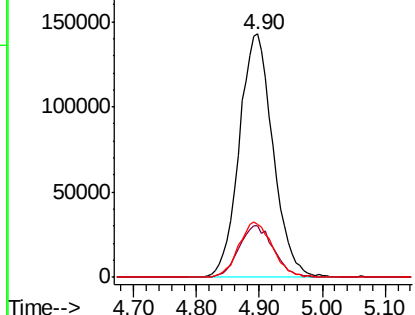
#17
Methyl tert-butyl Ether
Concen: 10.275 ug/L
RT: 4.90 min Scan# 529
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.1	19.0	28.6
57	22.6	18.6	28.0

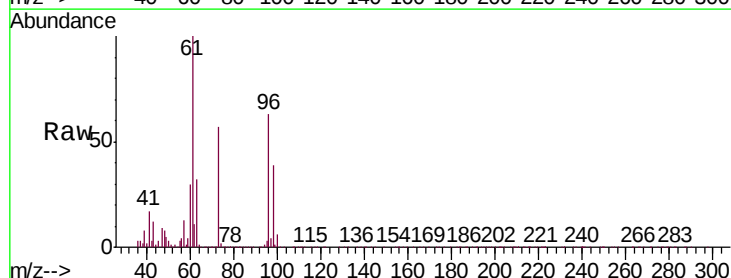


Abundance Ion 73.10 (72.80 to 73.80): VR0
Ion 43.05 (42.75 to 43.75): VR0
Ion 57.10 (56.80 to 57.80): VR0

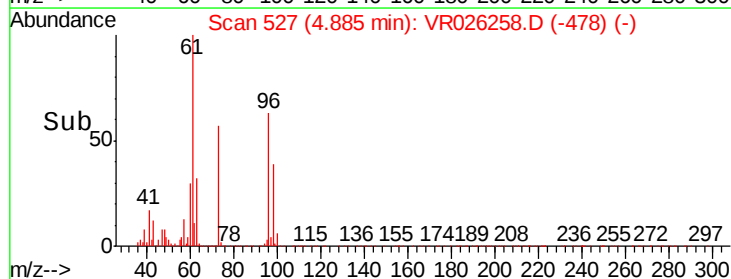
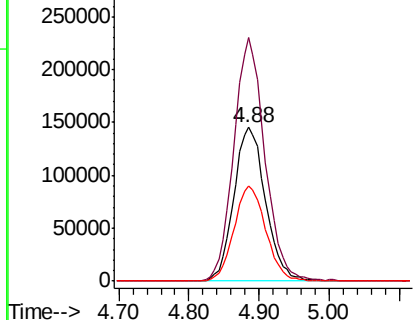


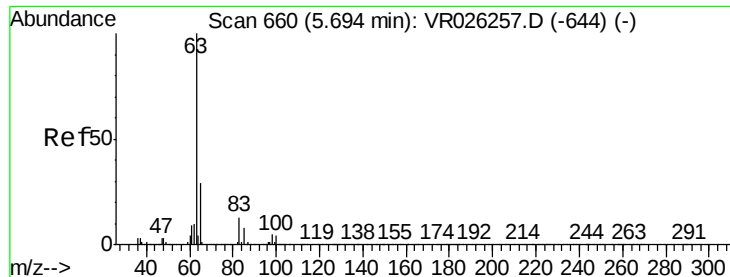
#18
trans-1,2-Dichloroethene
Concen: 10.365 ug/L
RT: 4.88 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.1	108.4	201.4
98	61.8	45.2	84.0



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

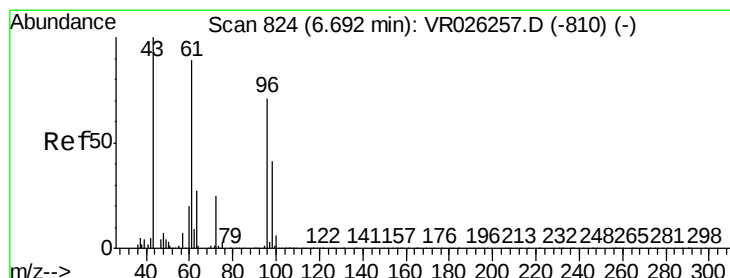
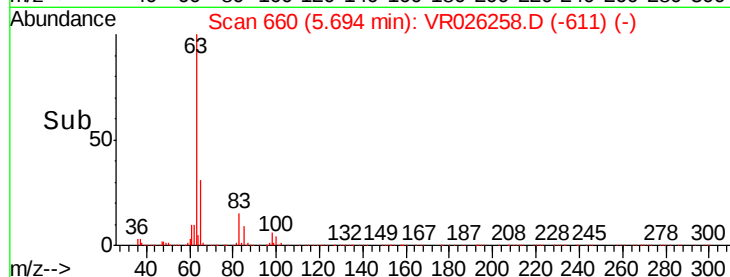
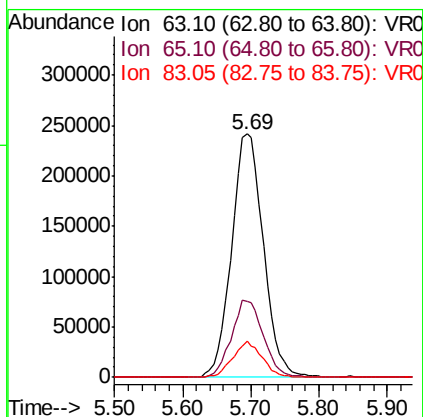
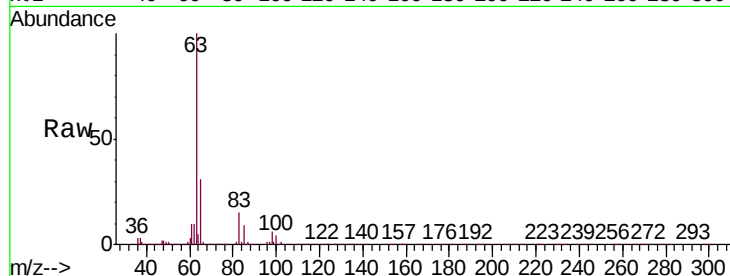




#19
 1,1-Dichloroethane
 Concen: 9.737 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

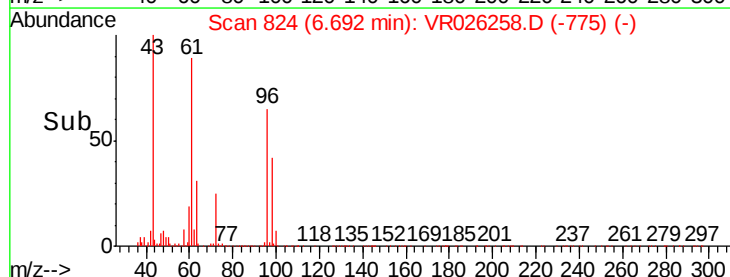
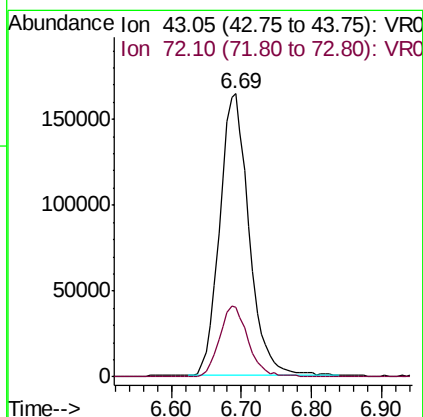
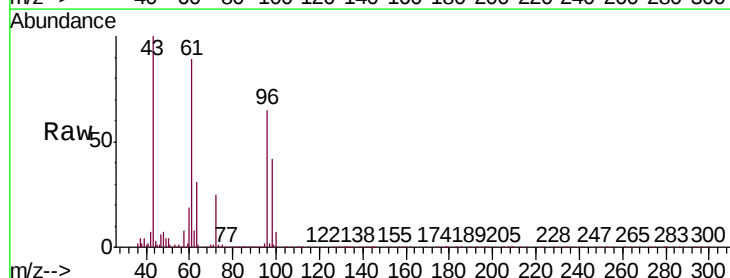
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01099

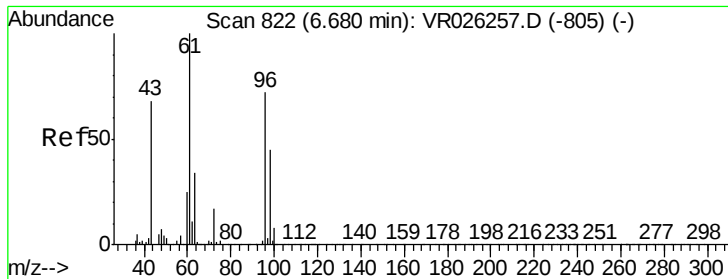
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	20.0	37.2
83	14.9	8.9	16.5



#21
 2-Butanone
 Concen: 103.986 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.8	12.3	36.8



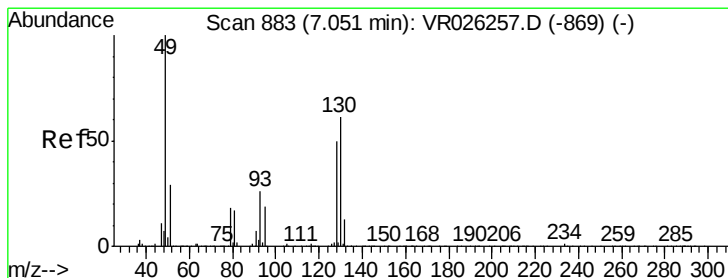
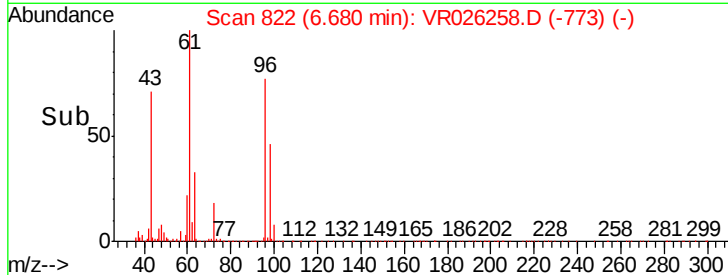
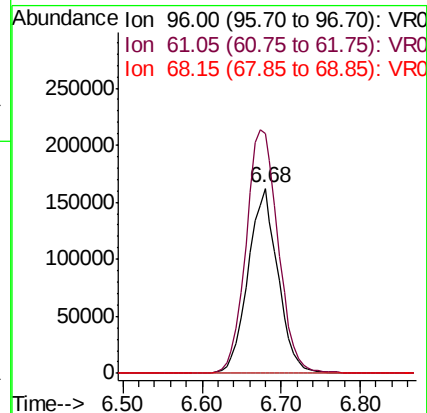
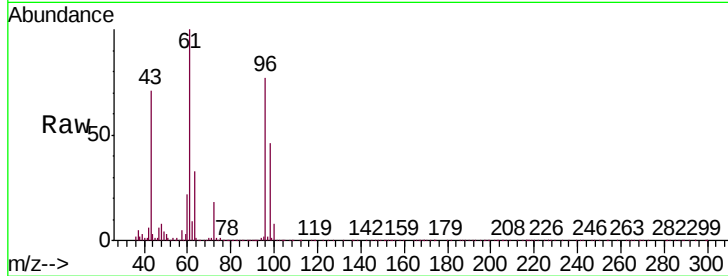


#22

cis-1,2-Dichloroethene
 Concen: 10.850 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD01099

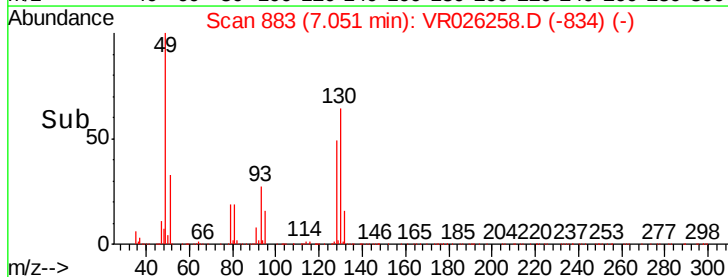
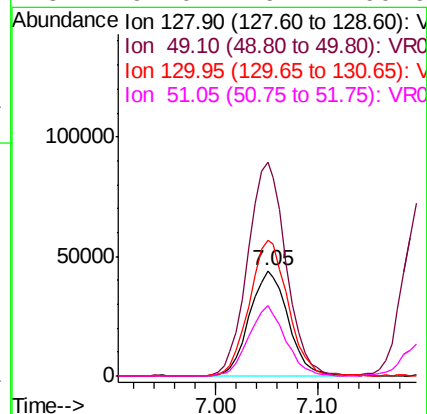
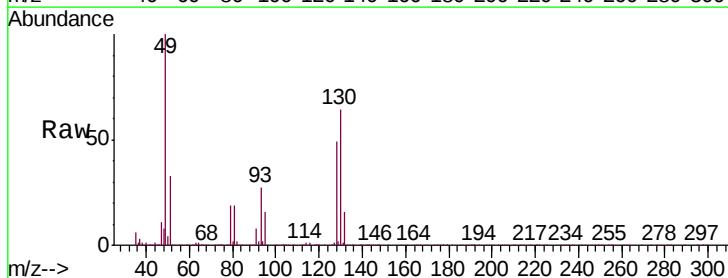
Tgt Ion: 96 Resp: 426831
 Ion Ratio Lower Upper
 96 100
 61 129.3 97.6 181.4
 68 0.1 0.0 0.0#

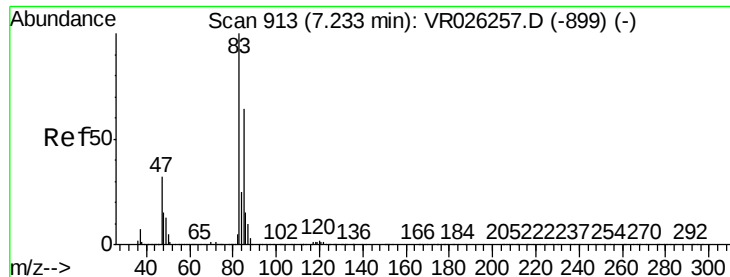


#23

Bromochloromethane
 Concen: 9.419 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Tgt Ion: 128 Resp: 115226
 Ion Ratio Lower Upper
 128 100
 49 203.5 140.3 260.6
 130 129.5 85.2 158.2
 51 67.0 46.4 69.6





#25

Chloroform

Concen: 8.972 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

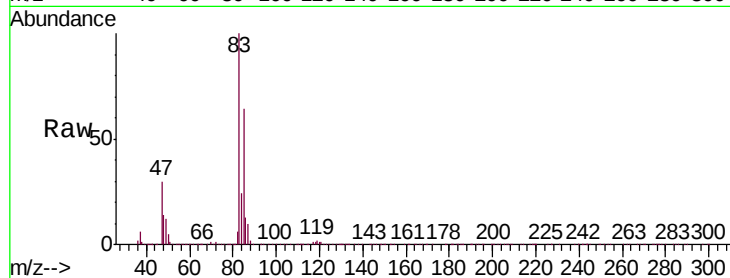
VSTD01099

Tgt Ion: 83 Resp: 794990

Ion Ratio Lower Upper

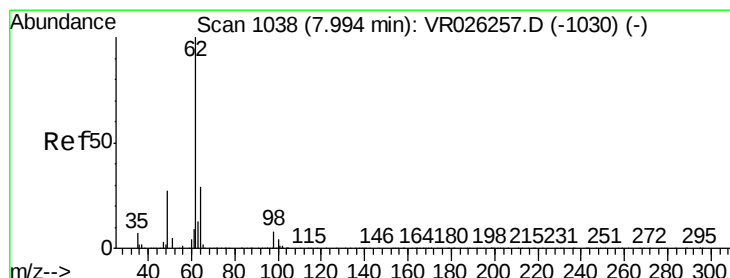
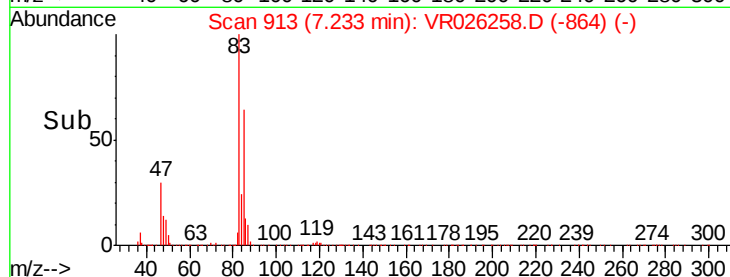
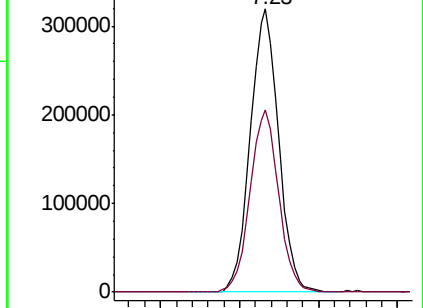
83 100

85 64.2 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 9.478 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026258.D

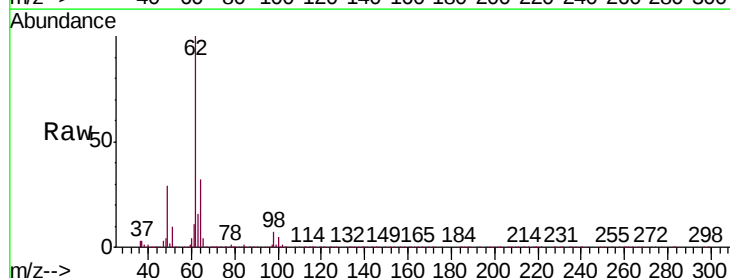
Acq: 21 Nov 2018 13:16

Tgt Ion: 62 Resp: 346025

Ion Ratio Lower Upper

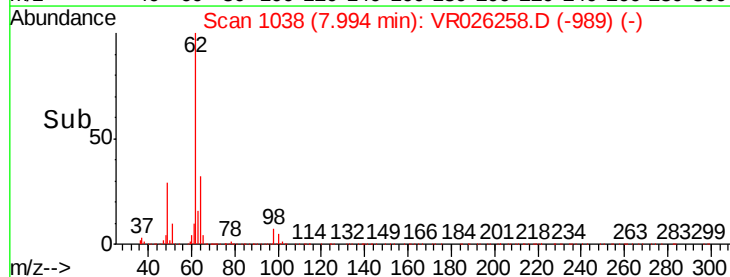
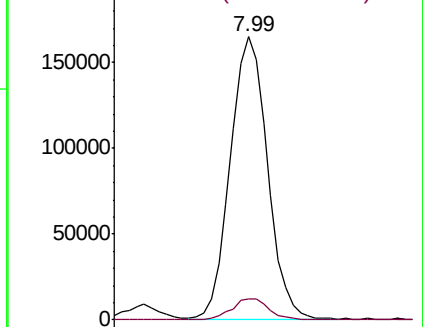
62 100

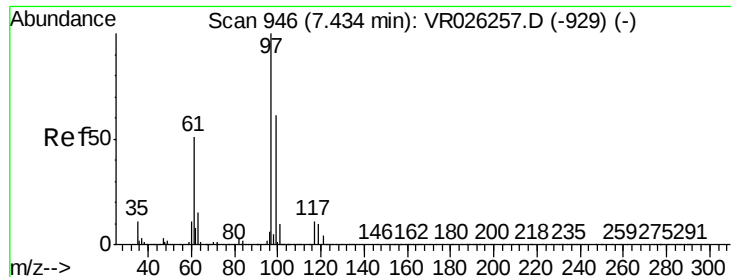
98 7.3 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

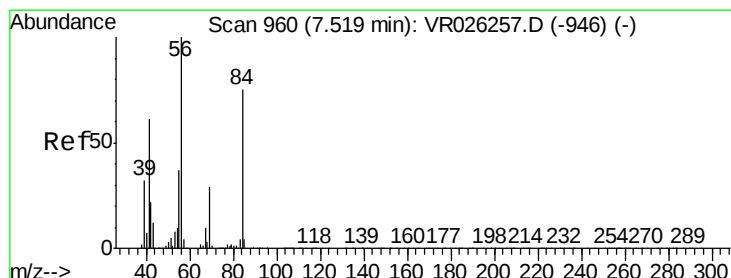
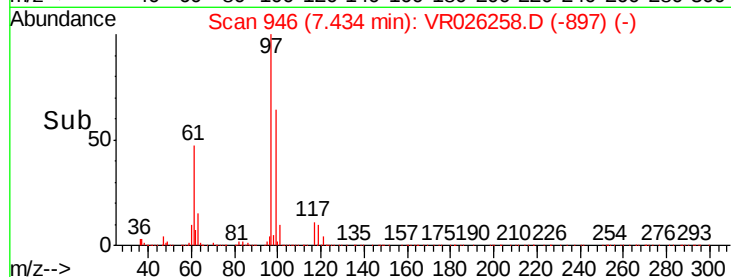
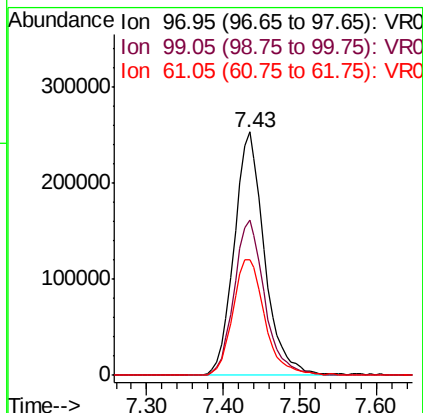
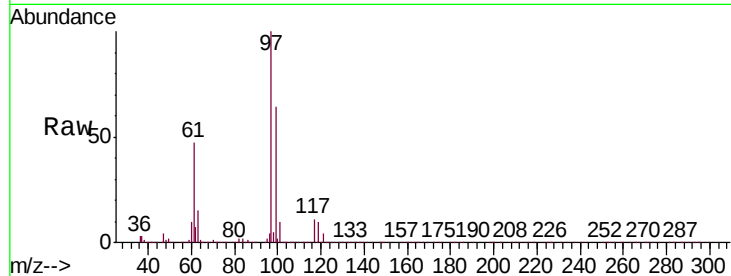




#29
 1,1,1-Trichloroethane
 Concen: 9.729 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

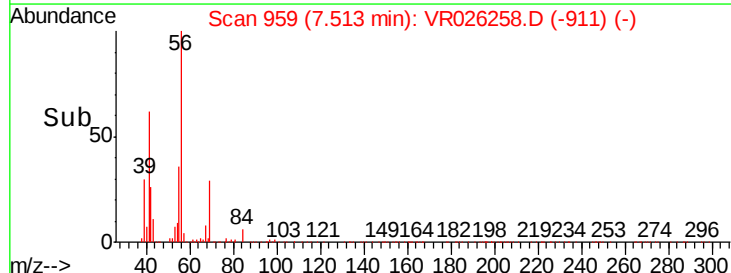
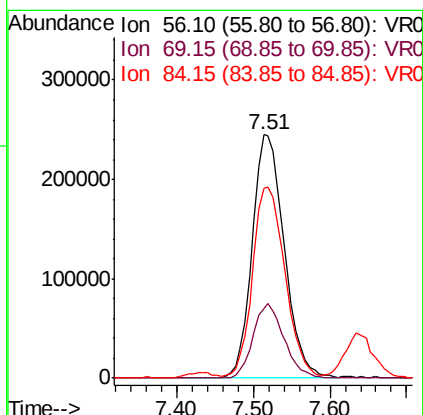
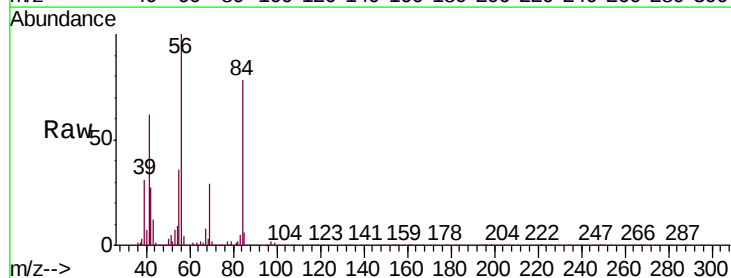
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01099

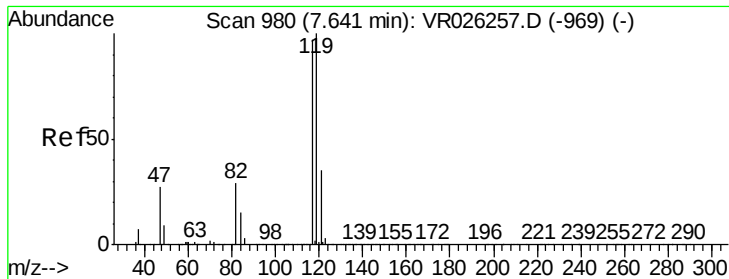
Tgt Ion: 97 Resp: 691241
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.7 76.1
 61 50.7 40.2 60.4



#30
 Cyclohexane
 Concen: 11.710 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Tgt Ion: 56 Resp: 714563
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.8 35.8
 84 79.3 62.4 93.6





#31

Carbon tetrachloride

Concen: 9.957 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

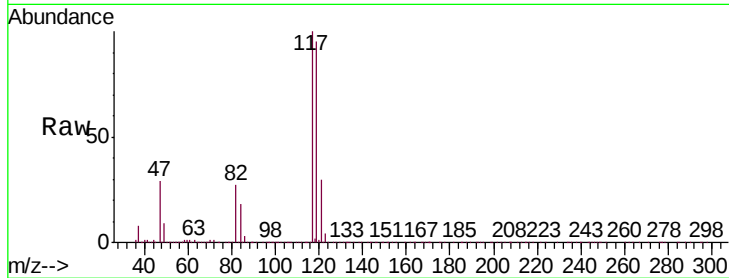
VSTD01099

Tgt Ion:117 Resp: 634064

Ion Ratio Lower Upper

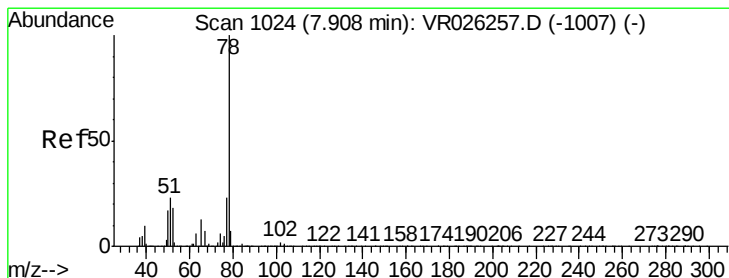
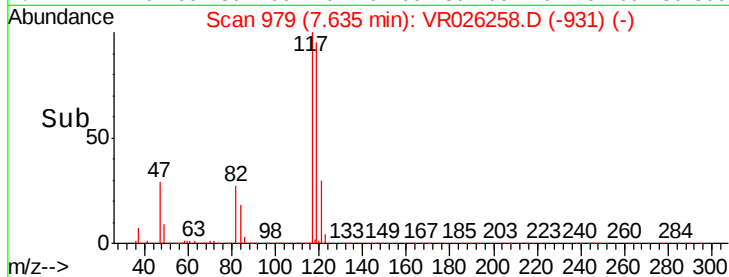
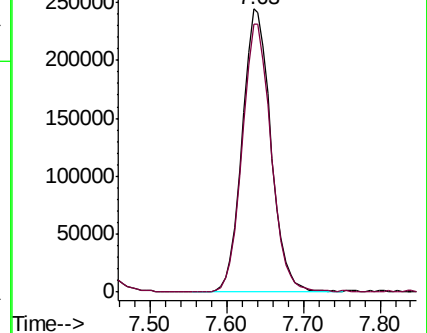
117 100

119 95.2 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.954 ug/L

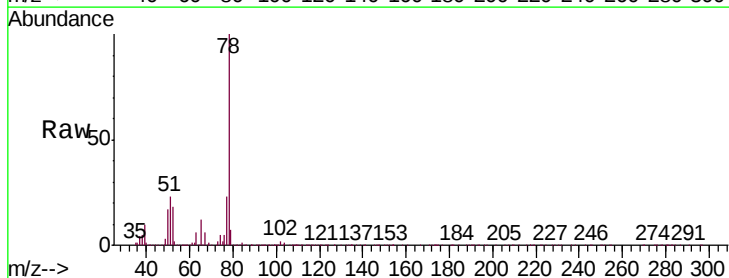
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

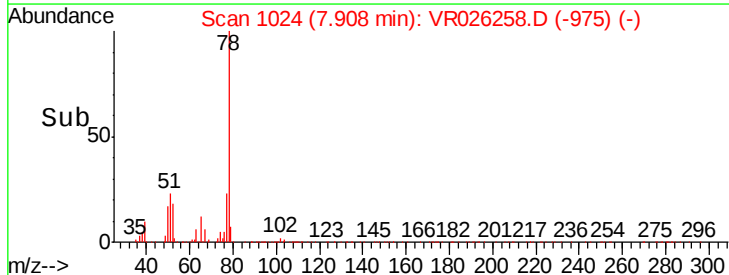
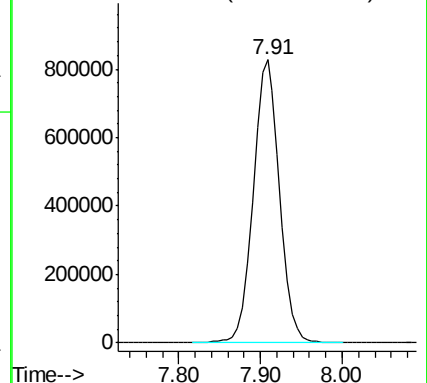
Lab File: VR026258.D

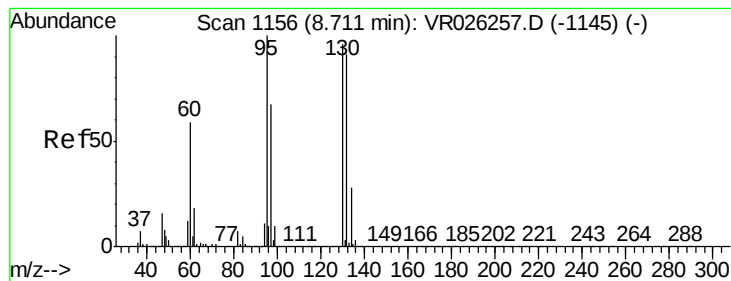
Acq: 21 Nov 2018 13:16

Tgt Ion: 78 Resp: 1850722



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 9.876 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD01099

Tgt Ion: 95 Resp: 477305

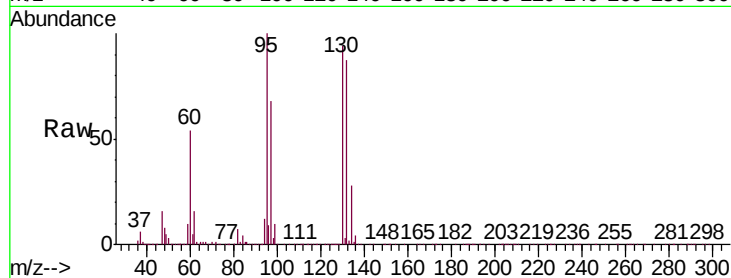
Ion Ratio Lower Upper

95 100

97 67.5 46.8 87.0

132 87.5 63.9 118.7

130 93.6 67.4 125.2

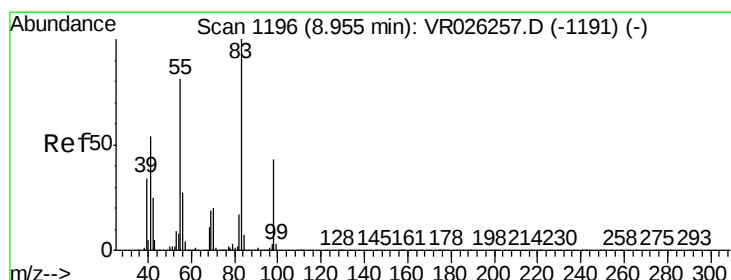
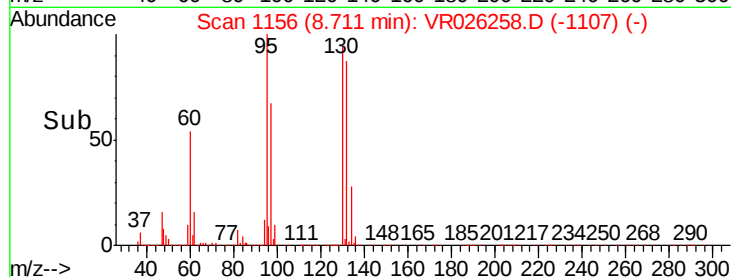
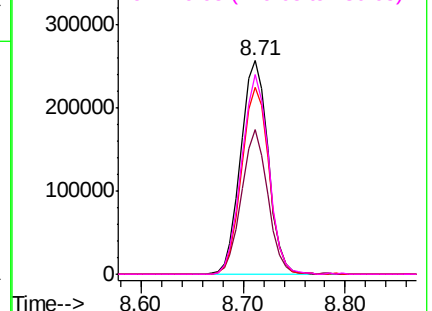


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 11.073 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

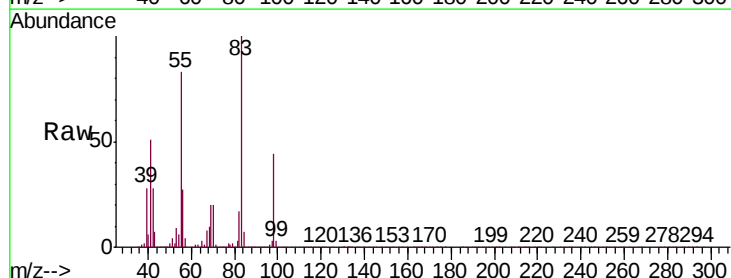
Tgt Ion: 83 Resp: 722460

Ion Ratio Lower Upper

83 100

55 83.4 66.8 100.2

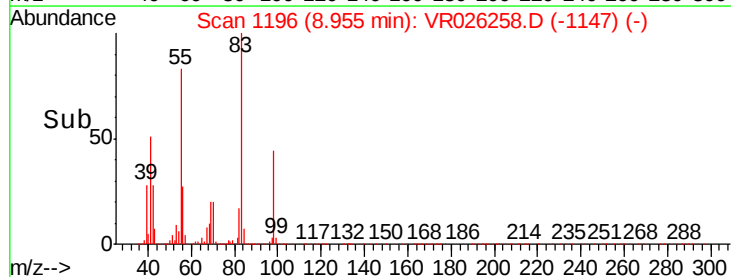
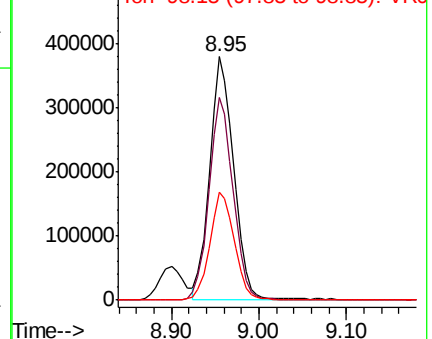
98 44.4 34.8 52.2

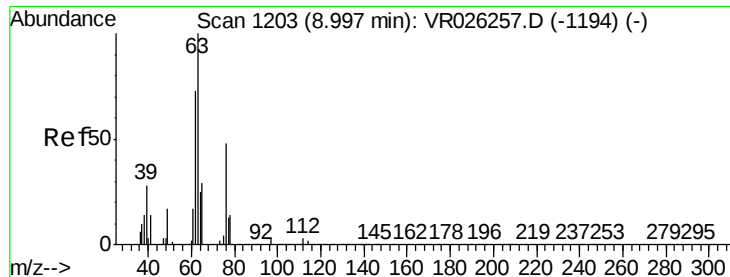


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 9.434 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

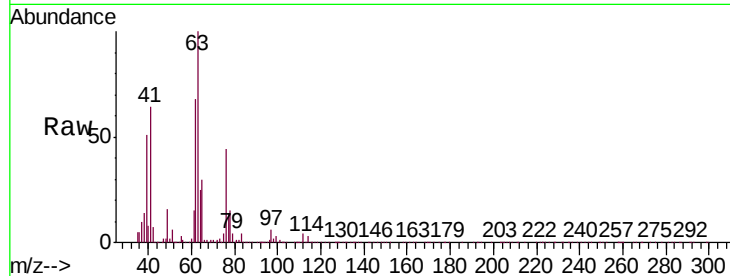
VSTD01099

Tgt Ion: 63 Resp: 366630

Ion Ratio Lower Upper

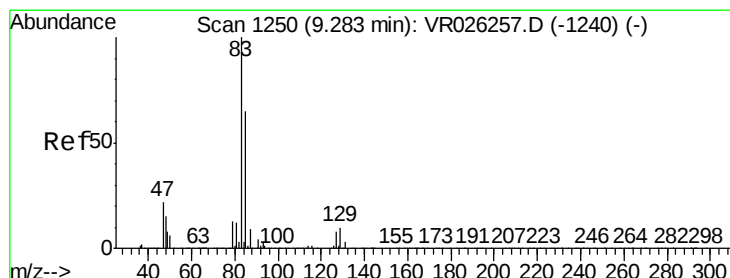
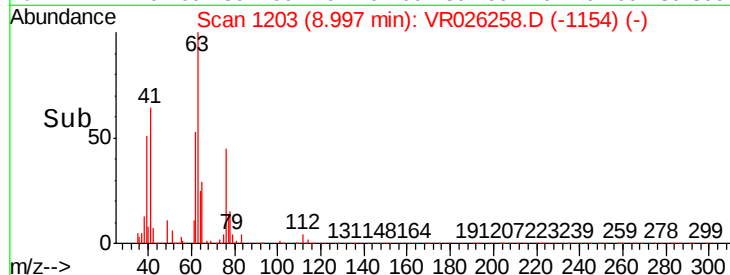
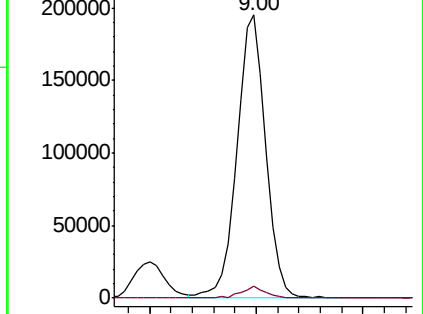
63 100

112 3.7 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 9.360 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

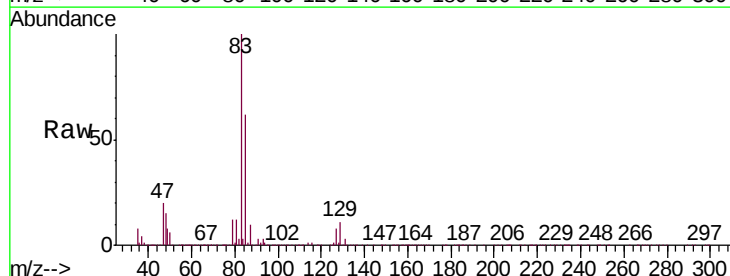
Tgt Ion: 83 Resp: 429667

Ion Ratio Lower Upper

83 100

85 62.2 45.5 84.5

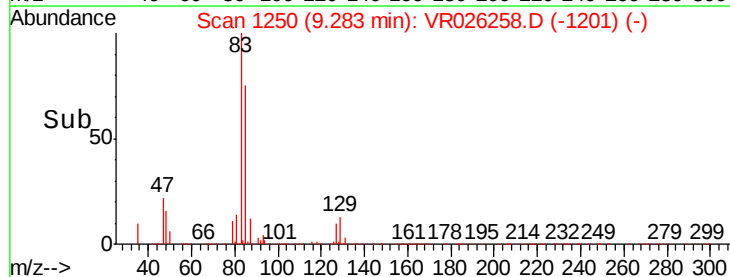
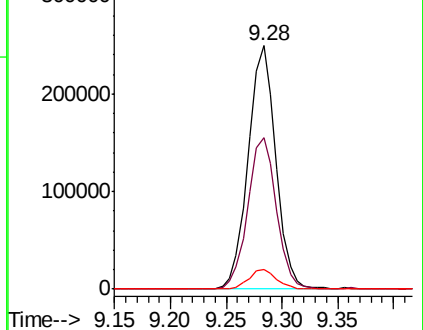
127 7.9 6.3 9.5

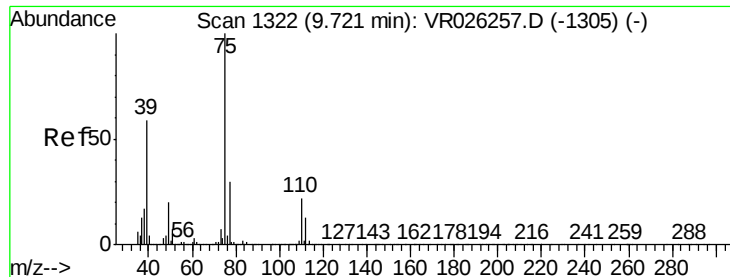


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

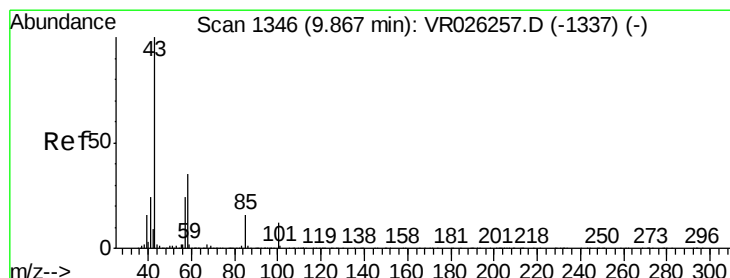
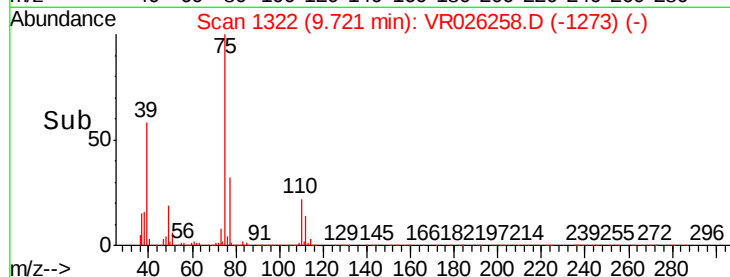
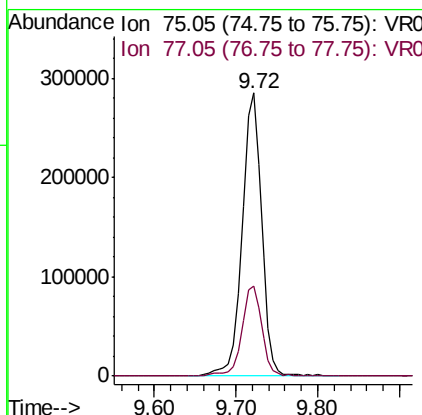
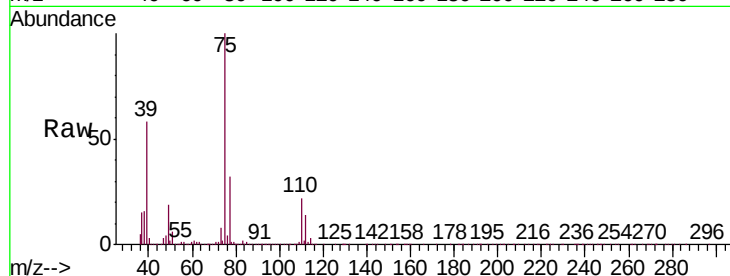




#39
 cis-1,3-Dichloropropene
 Concen: 10.776 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

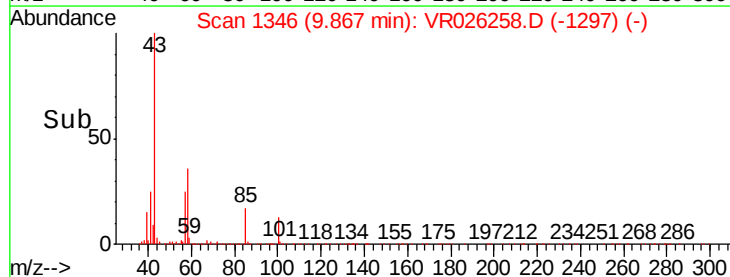
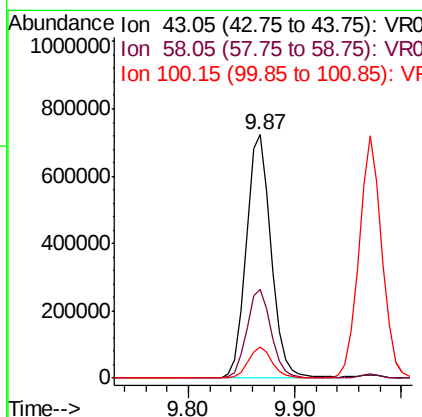
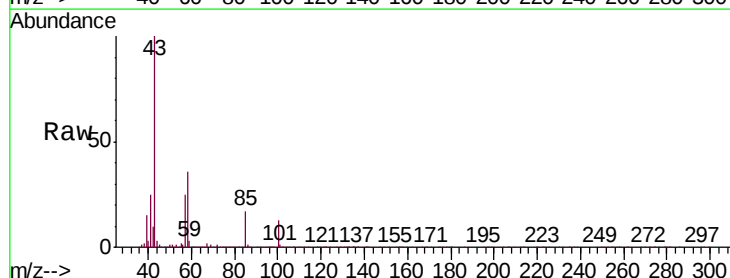
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01099

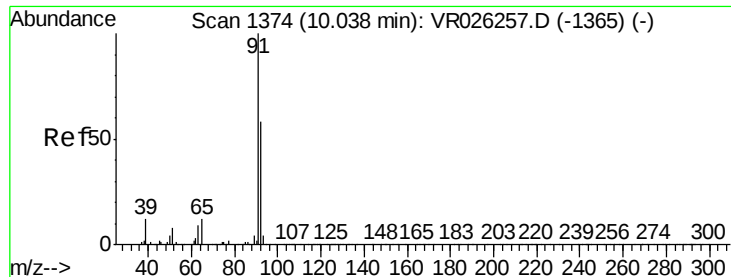
Tgt Ion: 75 Resp: 470676
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.9 38.7



#40
 4-Methyl-2-pentanone
 Concen: 106.544 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Tgt Ion: 43 Resp: 1184923
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.6 42.8
 100 12.3 10.0 15.0





#42

Toluene

Concen: 9.932 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

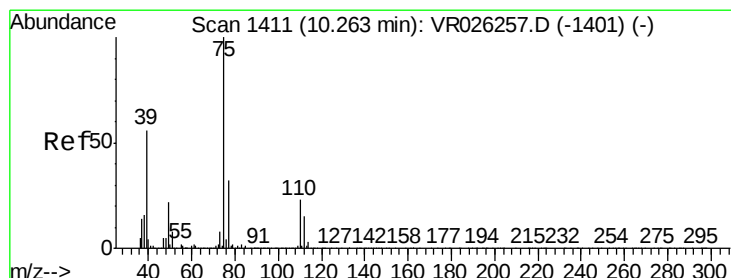
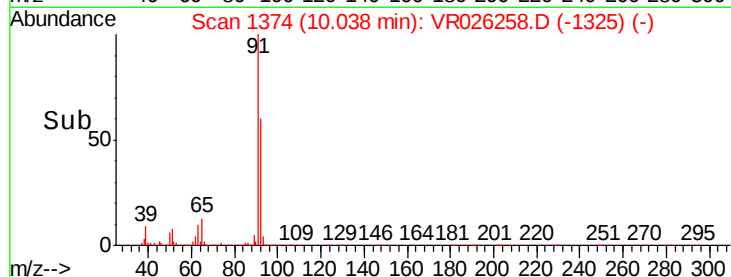
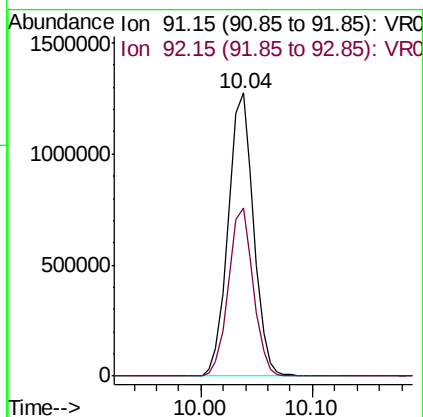
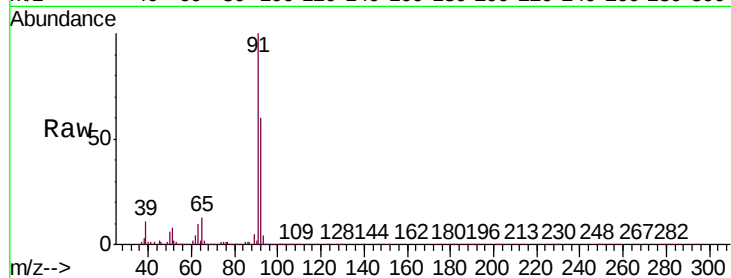
VSTD01099

Tgt Ion: 91 Resp: 2003970

Ion Ratio Lower Upper

91 100

92 59.6 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 10.810 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026258.D

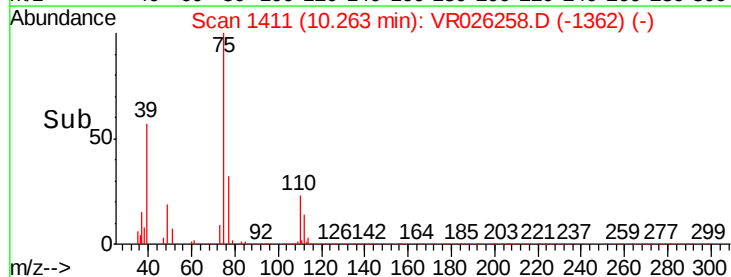
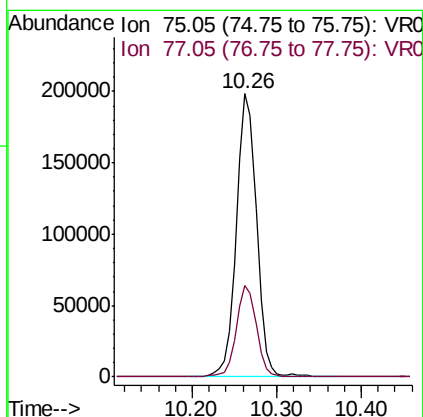
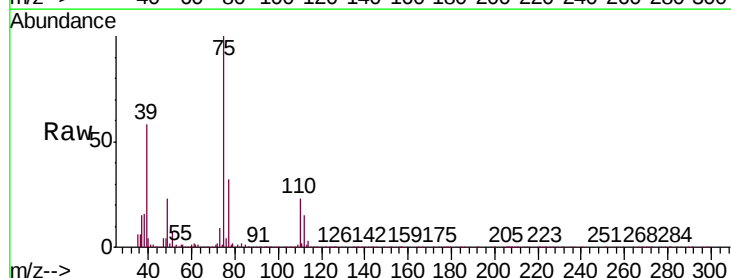
Acq: 21 Nov 2018 13:16

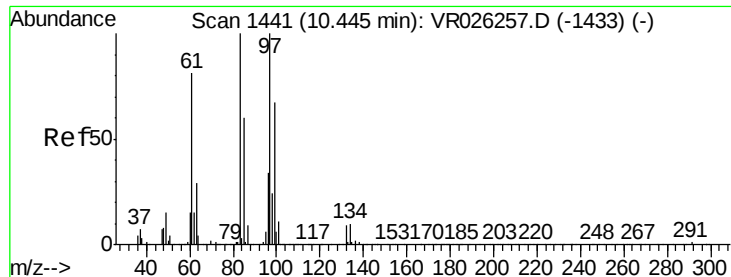
Tgt Ion: 75 Resp: 319792

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 9.260 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD01099

Tgt Ion: 97 Resp: 159997

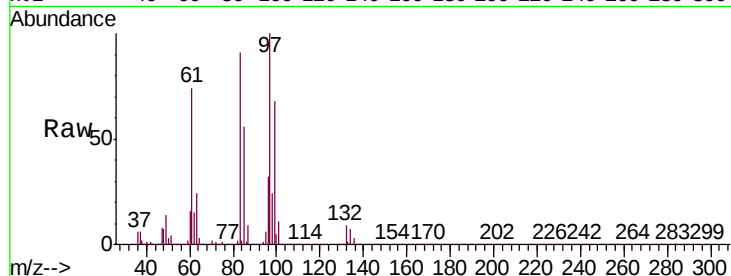
Ion Ratio Lower Upper

97 100

99 68.0 46.8 86.8

83 90.6 70.1 130.3

85 56.3 42.1 78.1



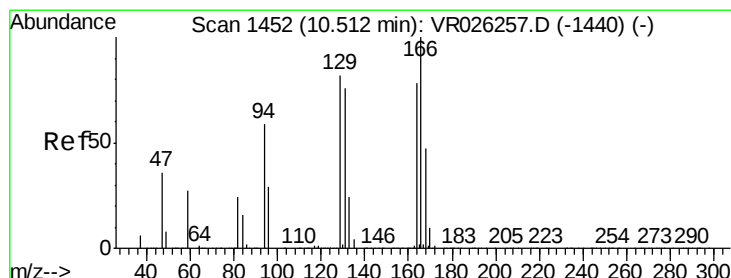
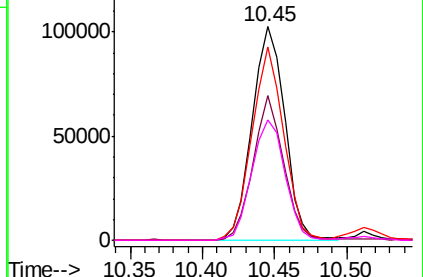
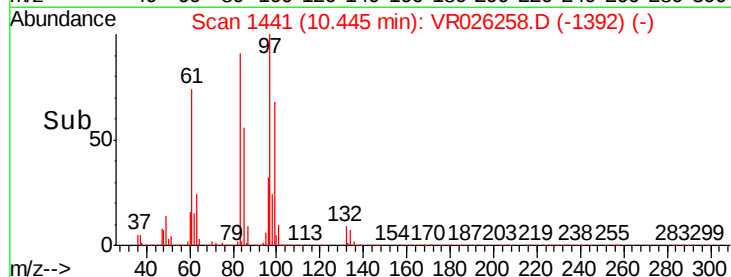
Abundance

Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 10.075 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Tgt Ion: 164 Resp: 350976

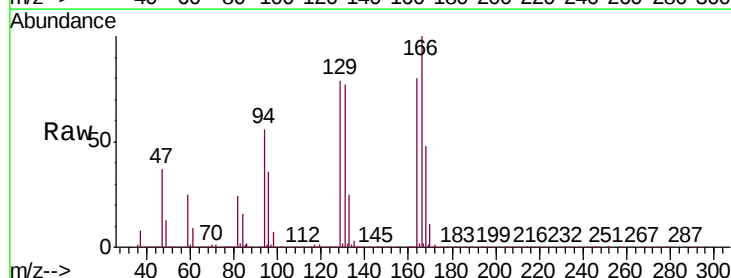
Ion Ratio Lower Upper

164 100

129 98.7 73.4 136.4

131 96.3 68.9 127.9

166 124.8 90.2 167.4



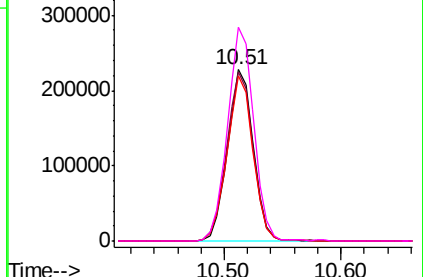
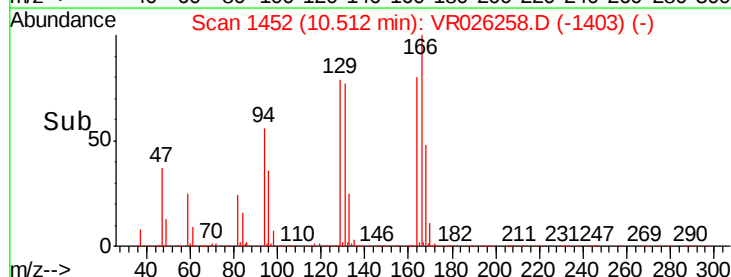
Abundance

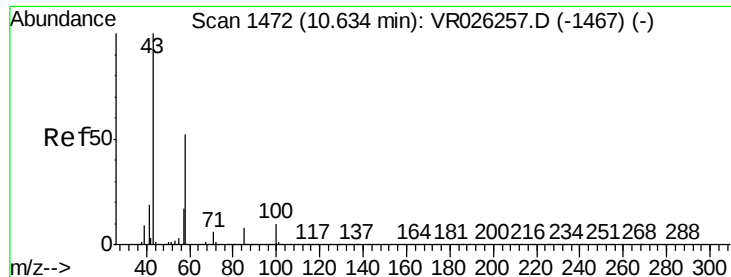
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

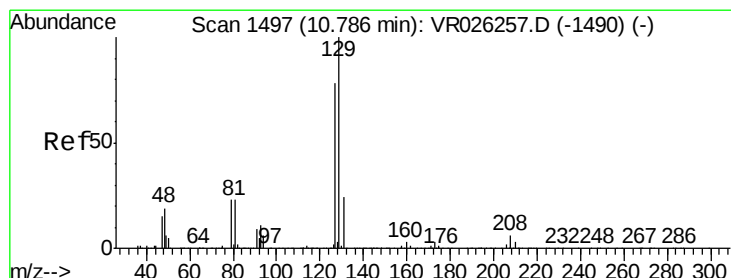
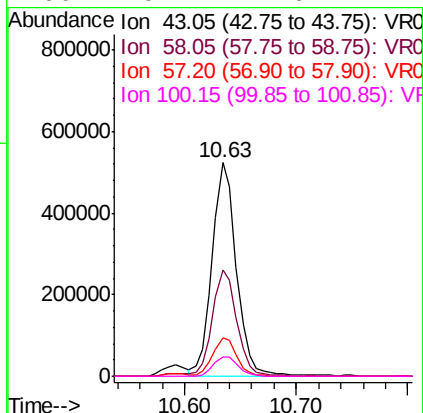
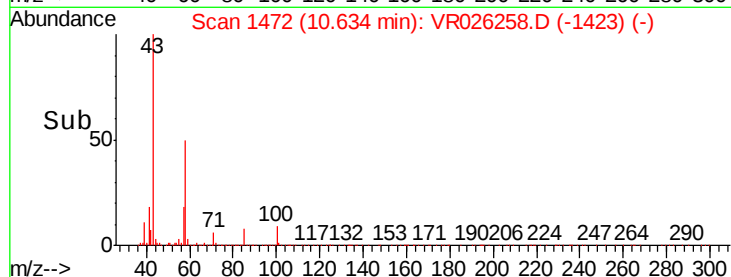
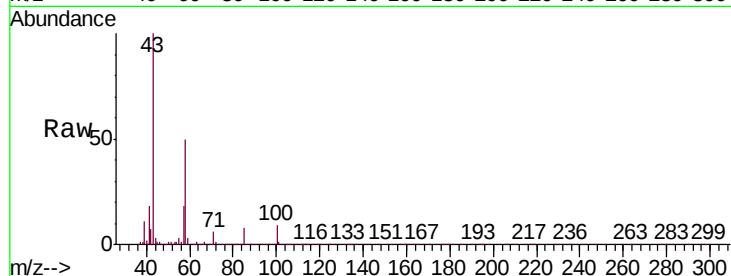




#48
2-Hexanone
Concen: 106.219 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

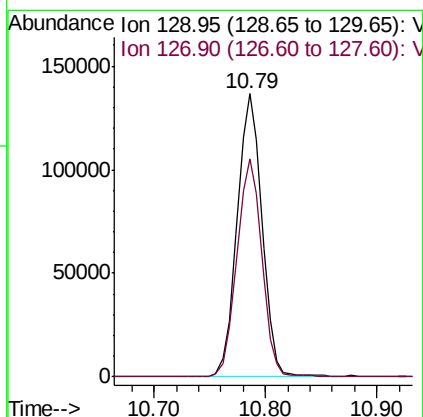
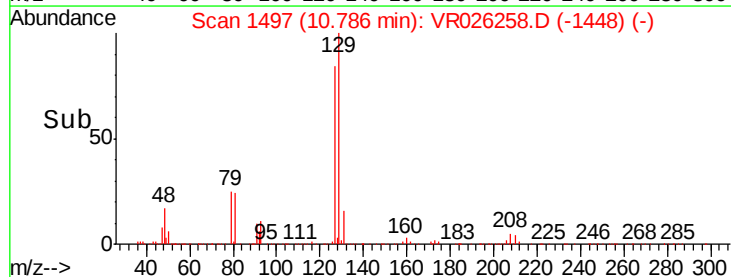
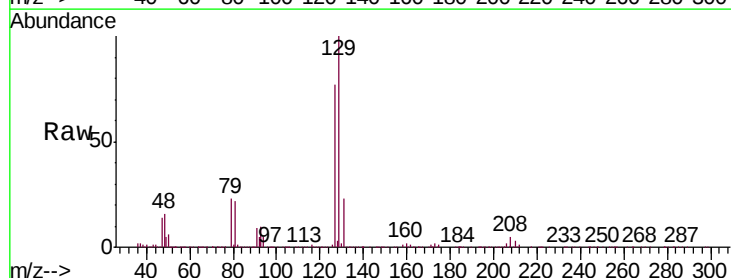
Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

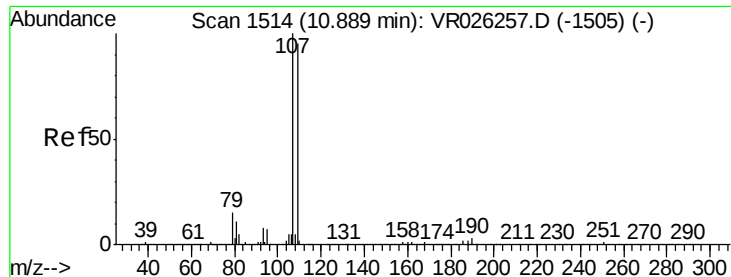
Tgt Ion:	43	Resp:	790632
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.4	60.6
57	18.0	14.2	21.2
100	9.4	7.6	11.4



#49
Dibromochloromethane
Concen: 10.159 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:	129	Resp:	211106
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.6	101.4

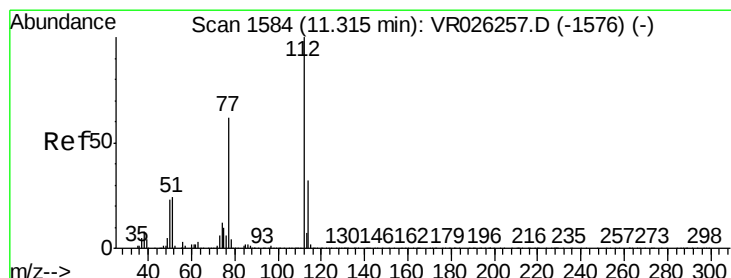
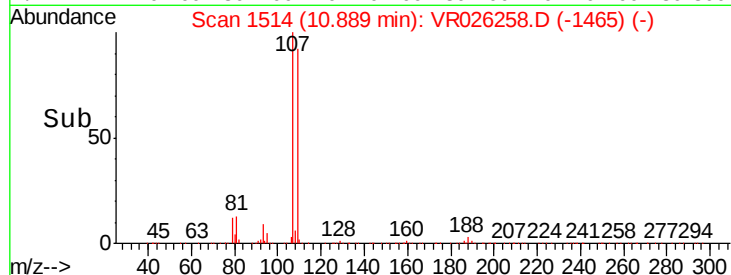
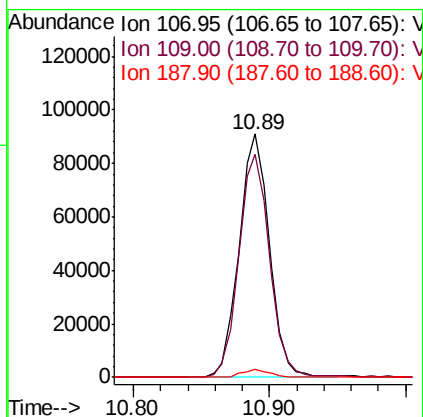
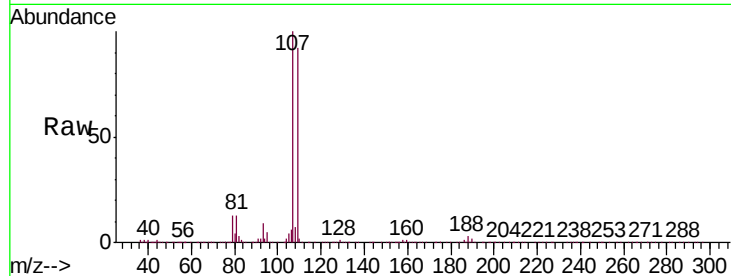




#50
1,2-Dibromoethane
Concen: 9.736 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

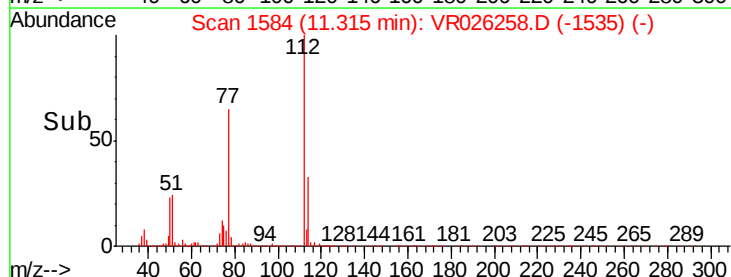
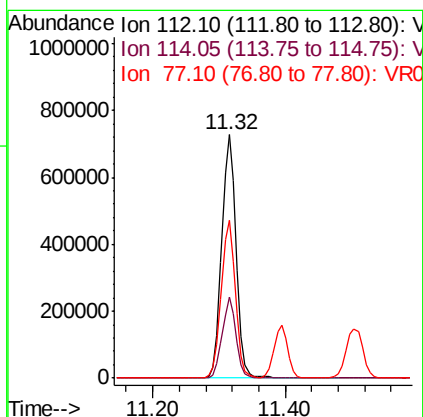
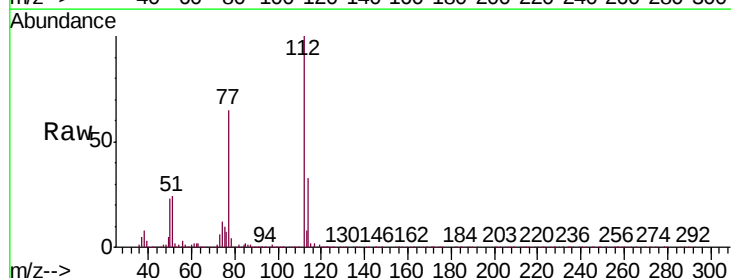
Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

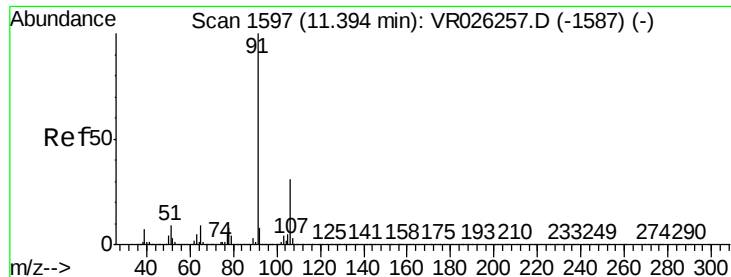
Tgt Ion:107 Resp: 141155
Ion Ratio Lower Upper
107 100
109 91.7 66.6 123.6
188 3.1 2.0 3.0#



#51
Chlorobenzene
Concen: 9.690 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion:112 Resp: 1086379
Ion Ratio Lower Upper
112 100
114 33.2 22.7 42.3
77 64.7 49.8 74.8





#52

Ethylbenzene

Concen: 10.614 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

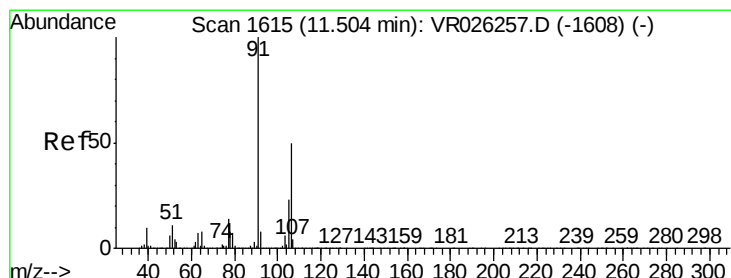
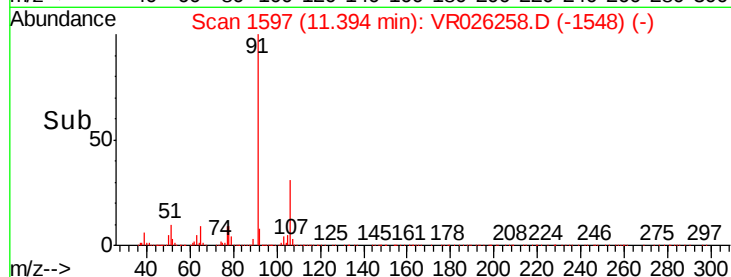
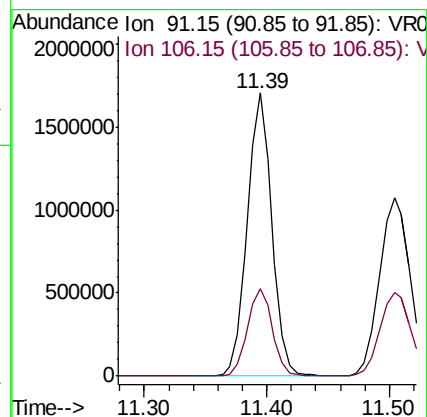
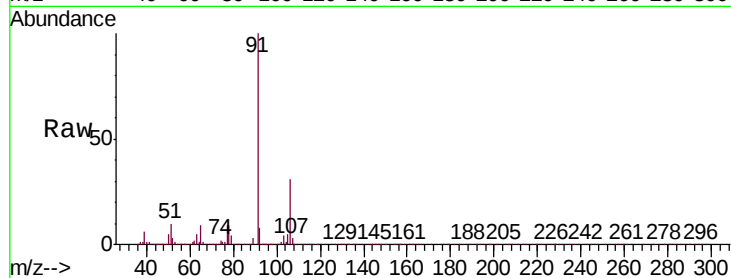
VSTD01099

Tgt Ion: 91 Resp: 2367633

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-Xylene

Concen: 10.792 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026258.D

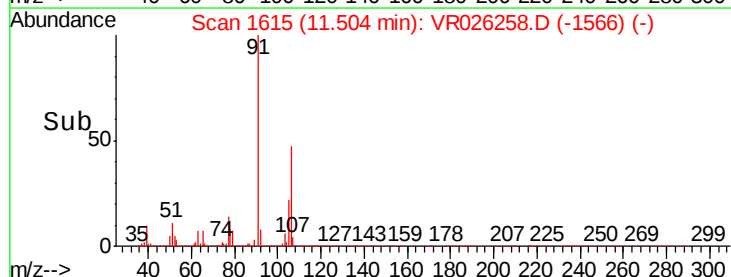
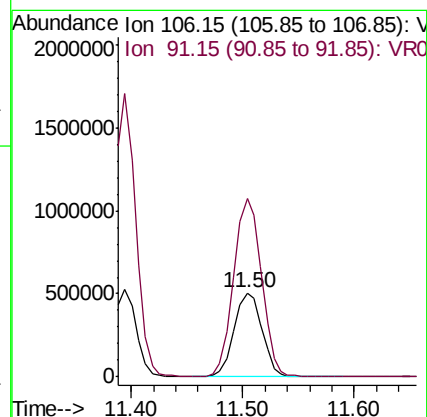
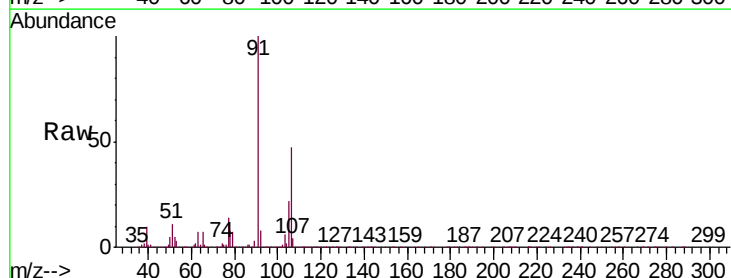
Acq: 21 Nov 2018 13:16

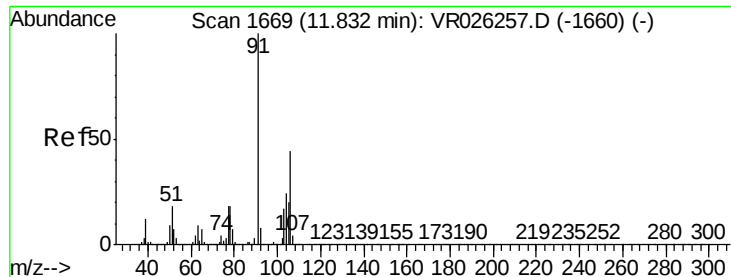
Tgt Ion: 106 Resp: 876075

Ion Ratio Lower Upper

106 100

91 212.2 141.2 262.2





#54

o-Xylene

Concen: 11.283 ug/L

RT: 11.83 min Scan# 1669

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

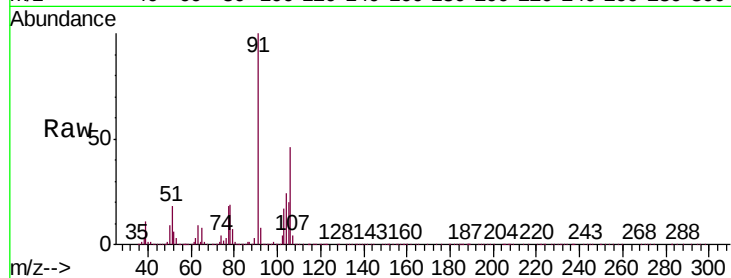
VSTD01099

Tgt Ion:106 Resp: 829952

Ion Ratio Lower Upper

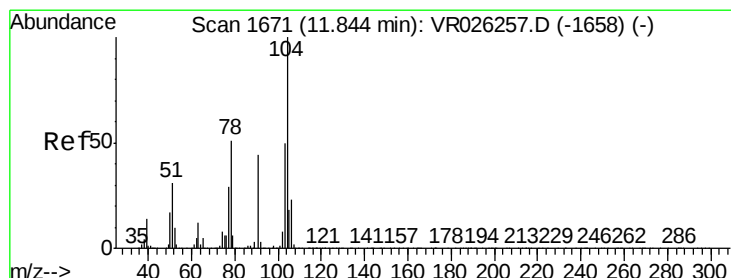
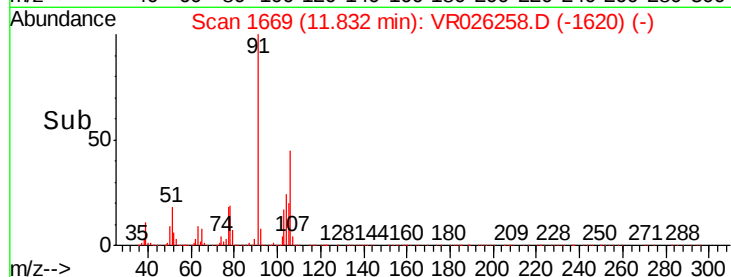
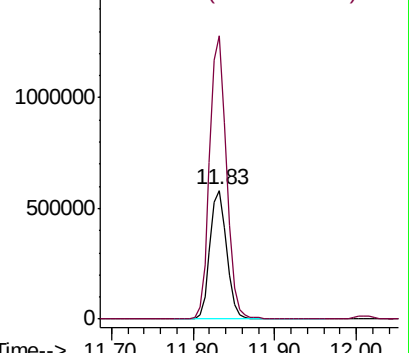
106 100

91 219.8 159.6 296.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 10.990 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026258.D

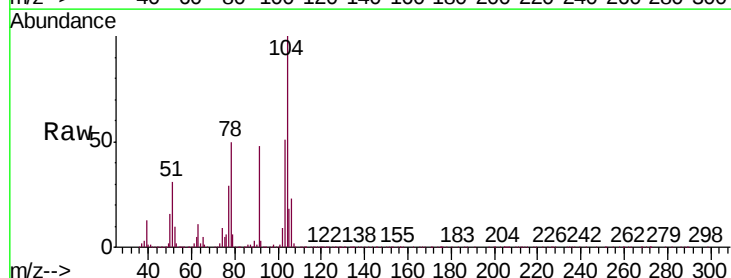
Acq: 21 Nov 2018 13:16

Tgt Ion:104 Resp: 1287646

Ion Ratio Lower Upper

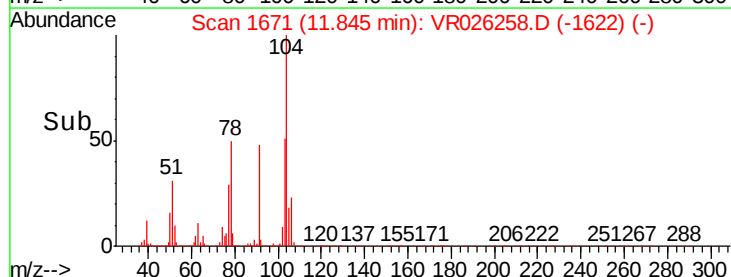
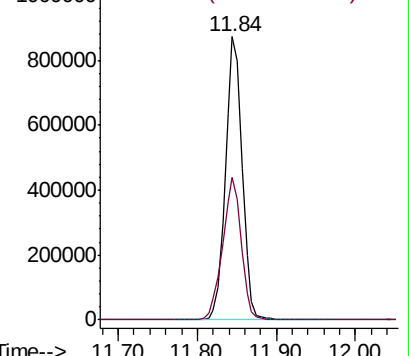
104 100

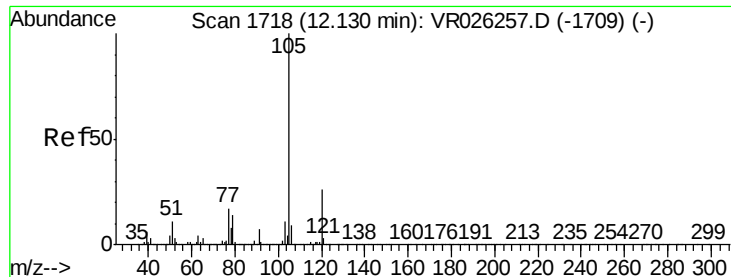
78 50.5 35.4 65.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 11.412 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD01099

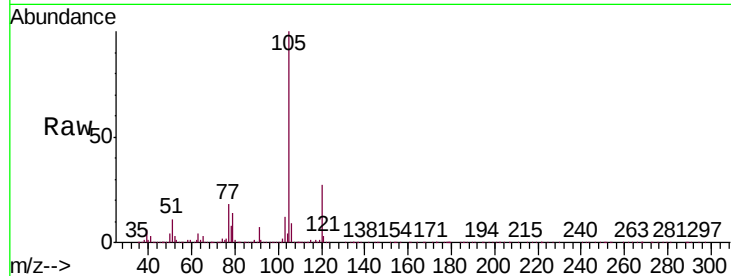
Tgt Ion:105 Resp: 2332059

Ion Ratio Lower Upper

105 100

120 26.3 20.3 30.5

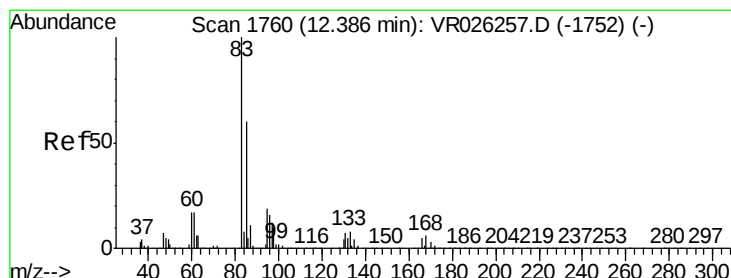
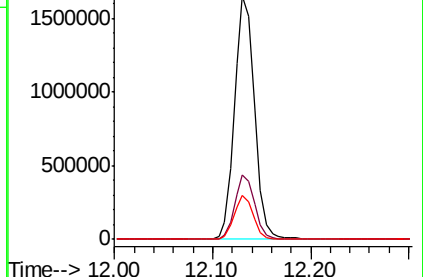
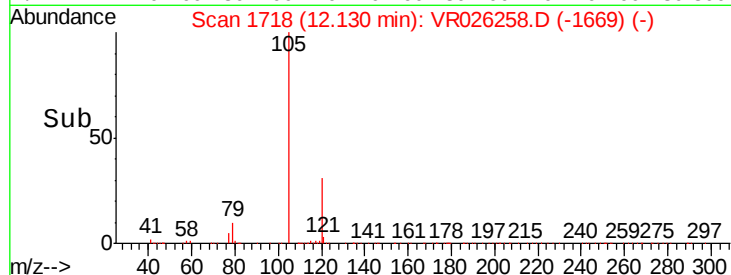
77 17.5 13.8 20.8



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: 10.086 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

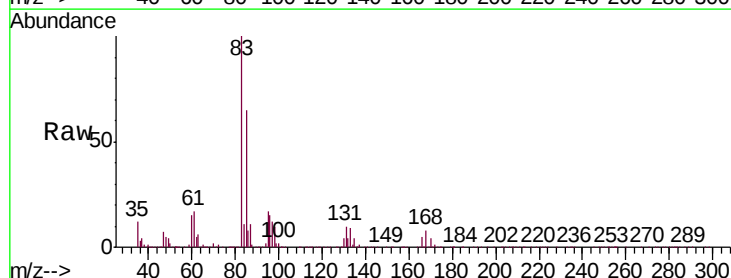
Tgt Ion: 83 Resp: 166749

Ion Ratio Lower Upper

83 100

85 64.9 42.3 78.5

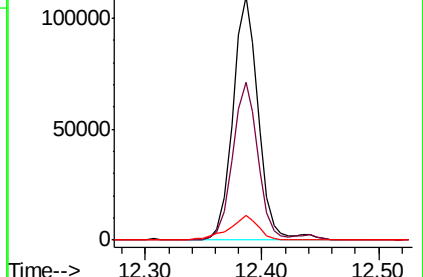
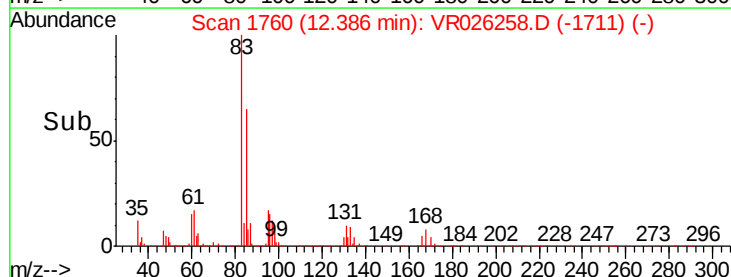
131 10.4 5.4 8.2#

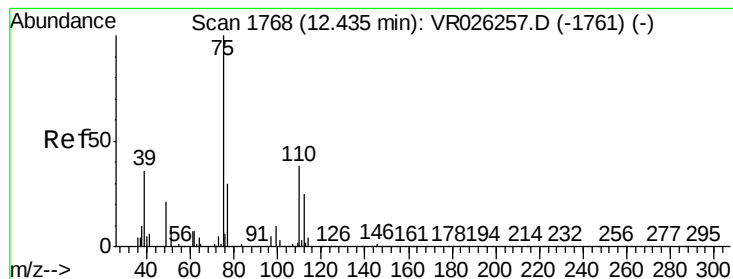


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.874 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

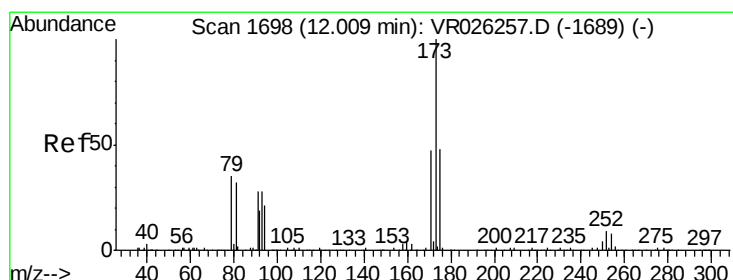
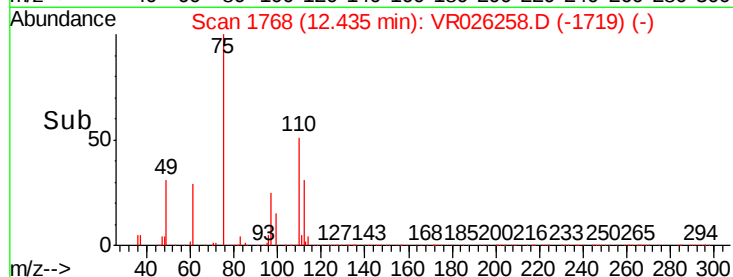
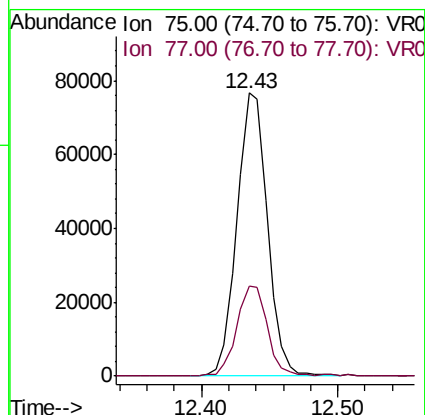
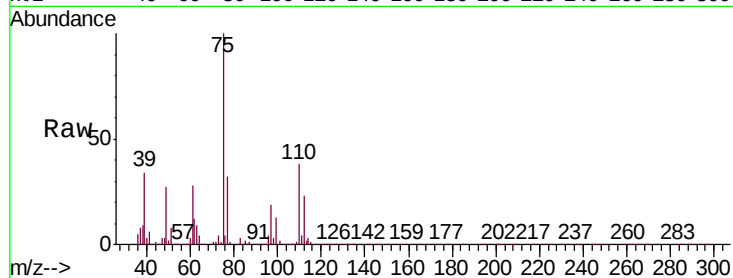
VSTD01099

Tgt Ion: 75 Resp: 119392

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#61

Bromoform

Concen: 9.715 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

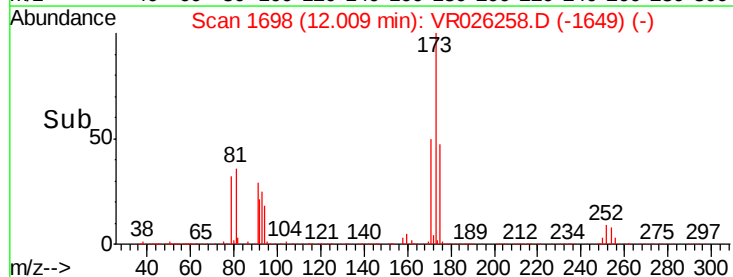
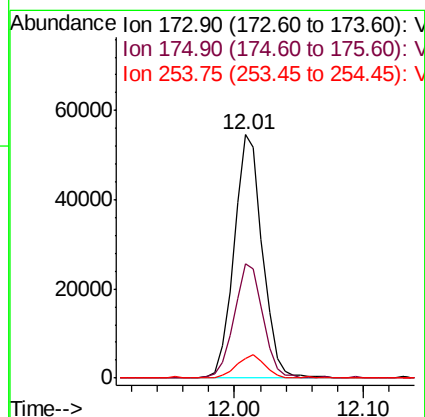
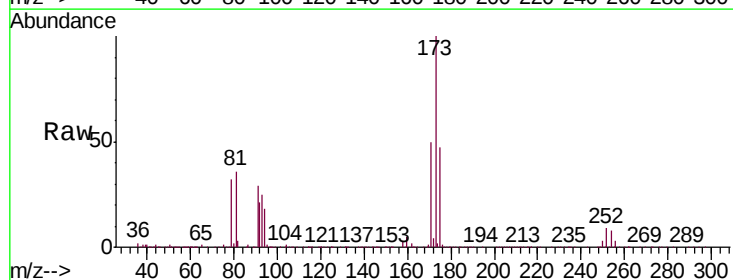
Tgt Ion: 173 Resp: 83593

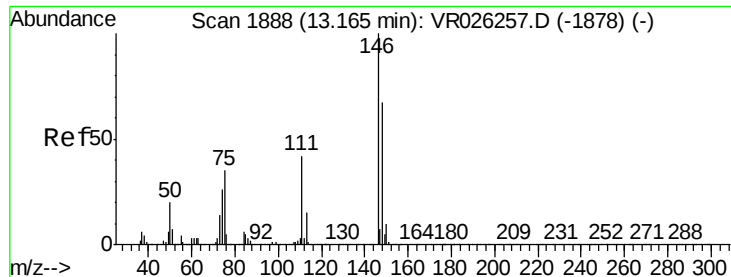
Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.6

254 9.6 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 10.082 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

Instrument :

MSVOA_R

ClientSampleId :

VSTD01099

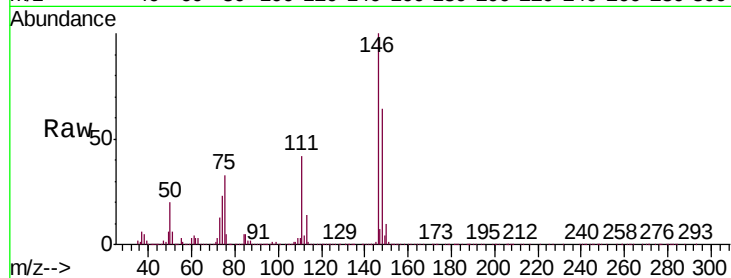
Tgt Ion:146 Resp: 701759

Ion Ratio Lower Upper

146 100

111 42.3 29.4 54.6

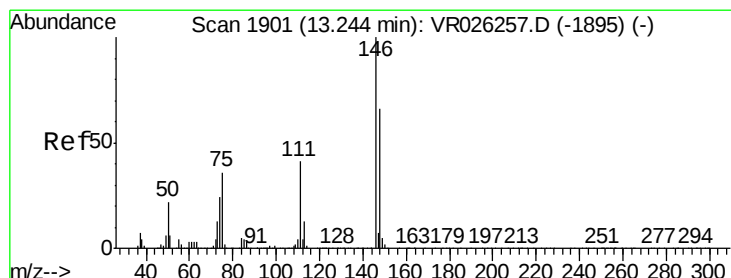
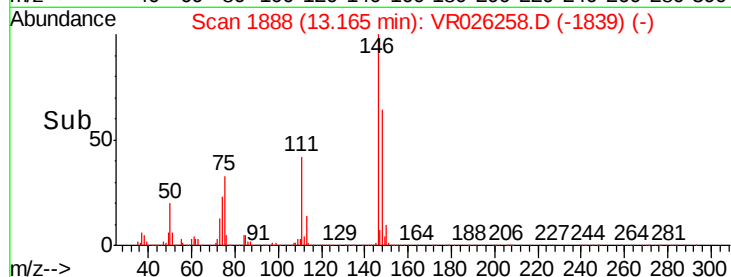
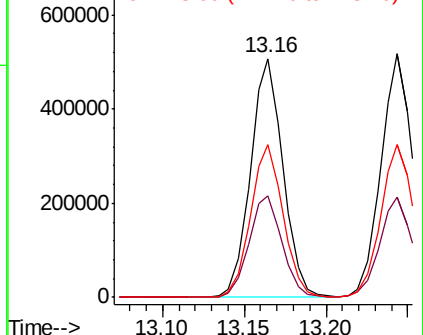
148 64.0 46.5 86.5



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: 9.314 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026258.D

Acq: 21 Nov 2018 13:16

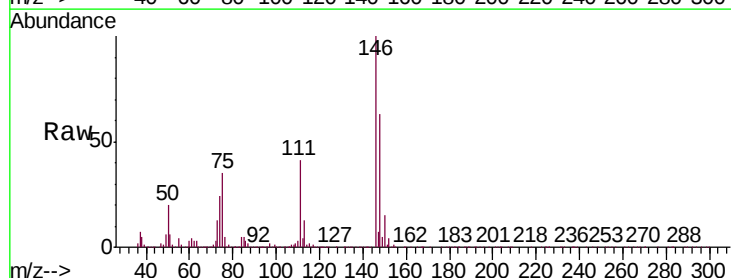
Tgt Ion:146 Resp: 714249

Ion Ratio Lower Upper

146 100

111 41.1 28.9 53.7

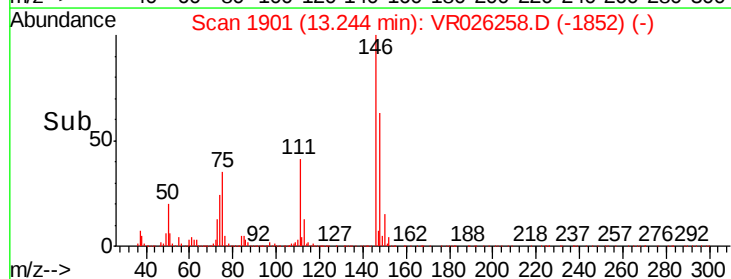
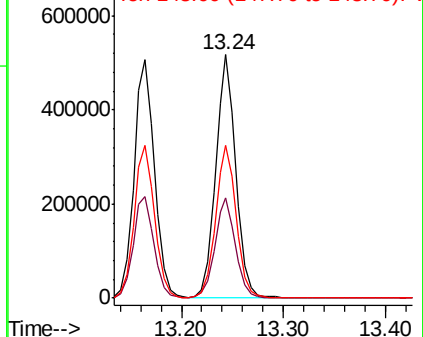
148 62.6 46.3 85.9

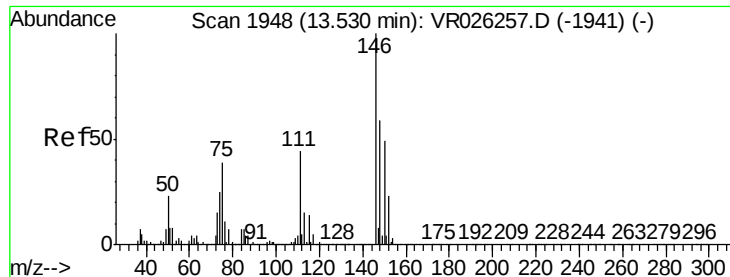


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

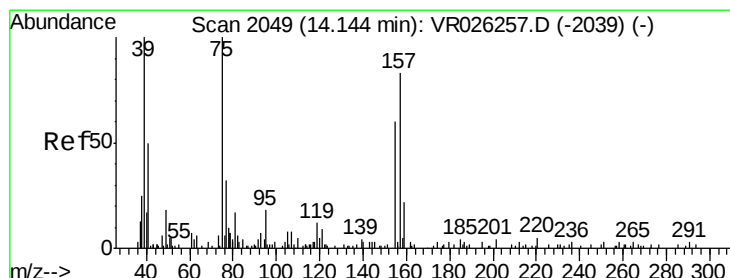
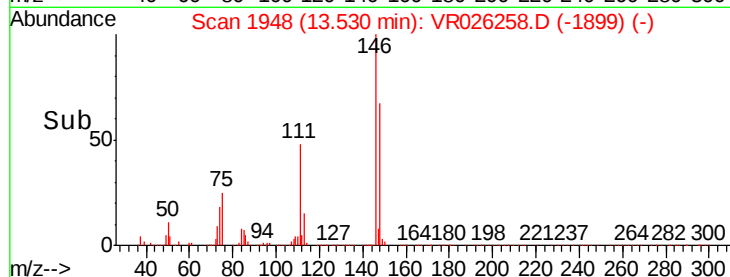
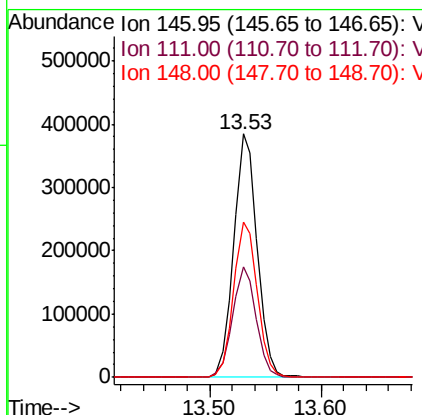
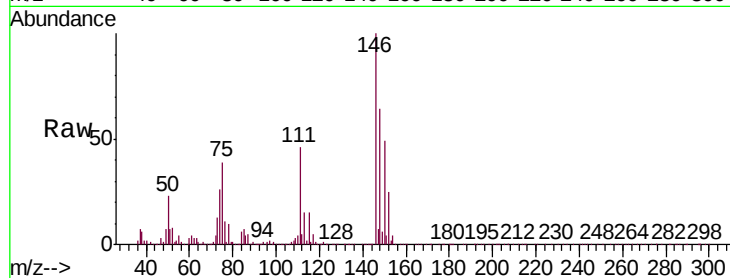




#65
1,2-Dichlorobenzene
Concen: 9.734 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

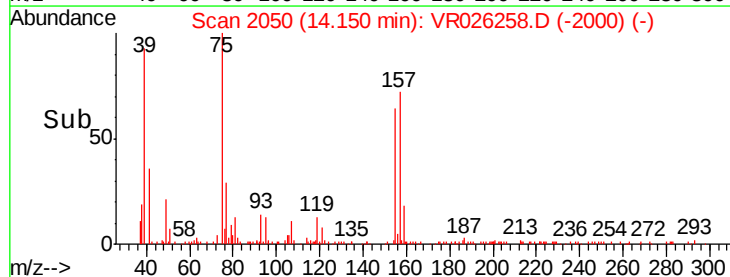
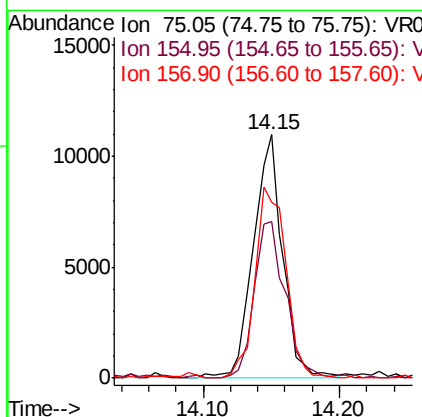
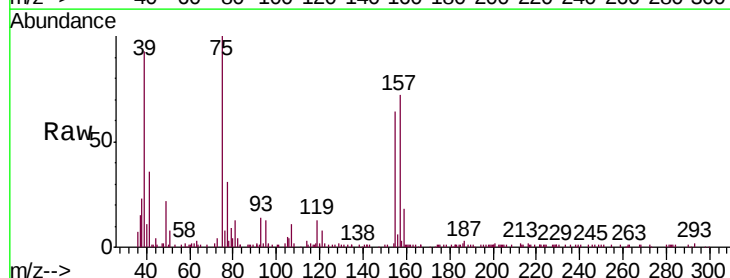
Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

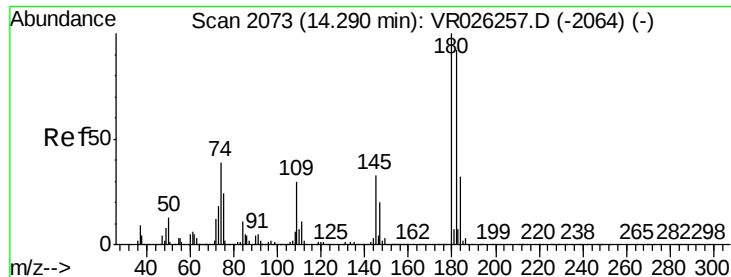
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	35.5	53.3
148	64.0	47.6	71.4



#66
1,2-Dibromo-3-chloropropane
Concen: 8.523 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.3	47.9	71.9
157	72.3	66.5	99.7

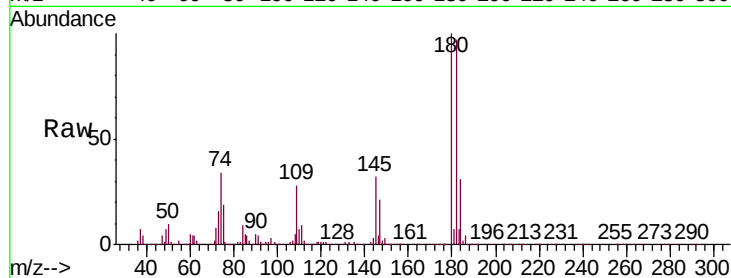




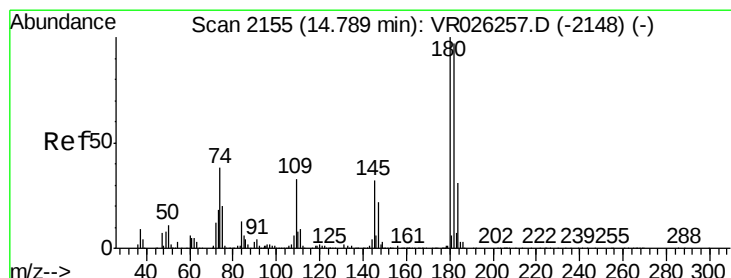
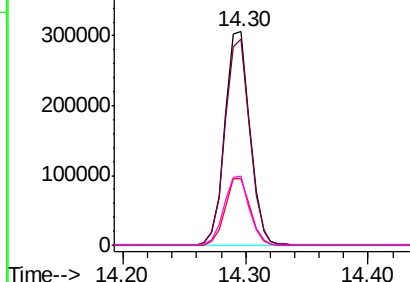
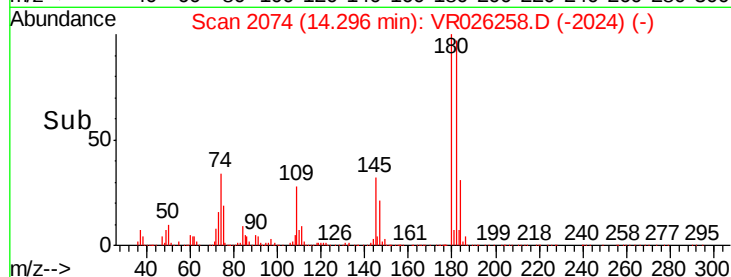
#67
 1,3,5-Trichlorobenzene
 Concen: 9.918 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD01099

Tgt Ion:	180	Resp:	430998
Ion Ratio	Lower	Upper	
180	100		
182	96.4	74.0	111.0
184	31.3	25.4	38.0
145	32.8	26.6	39.8

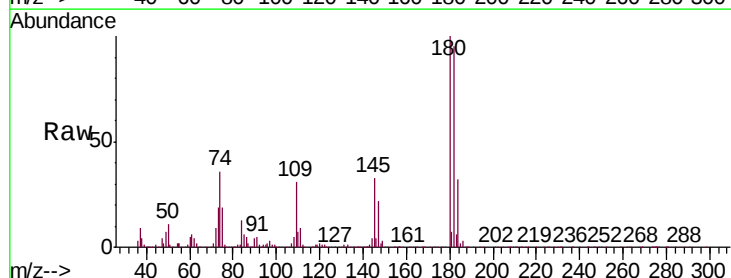


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

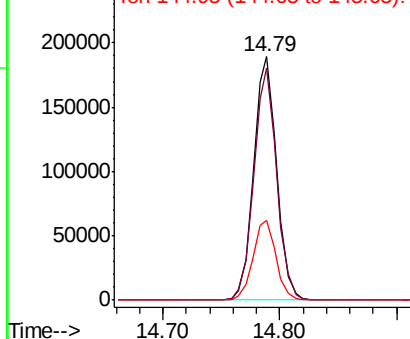
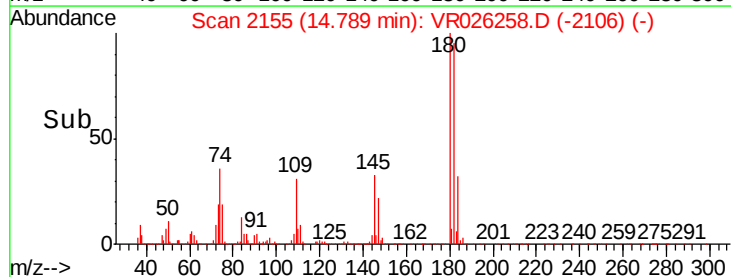


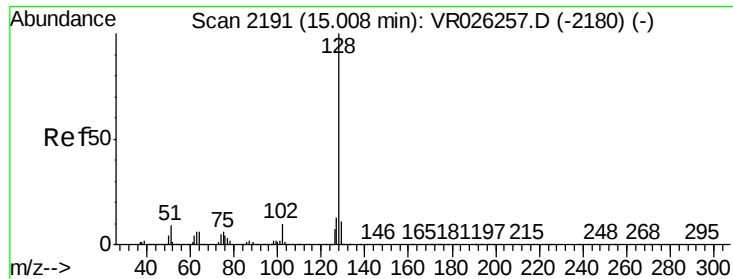
#68
 1,2,4-trichlorobenzene
 Concen: 10.689 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026258.D
 Acq: 21 Nov 2018 13:16

Tgt Ion:	180	Resp:	257881
Ion Ratio	Lower	Upper	
180	100		
182	94.9	74.9	112.3
145	32.9	26.0	39.0



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

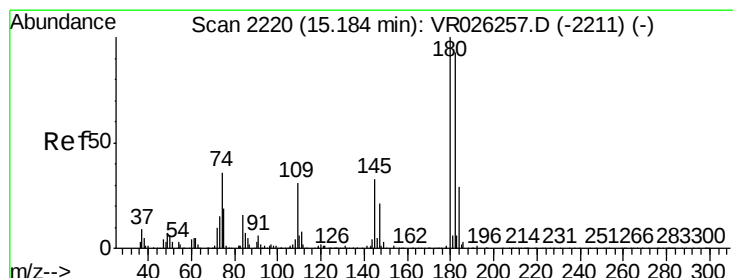
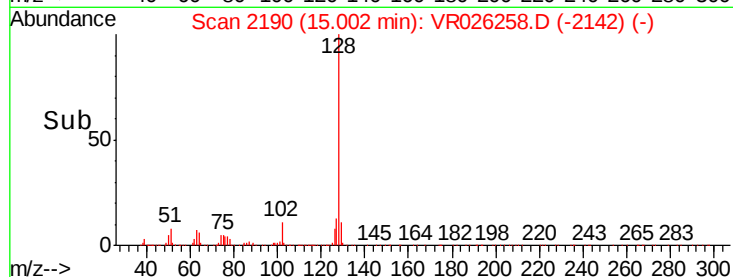
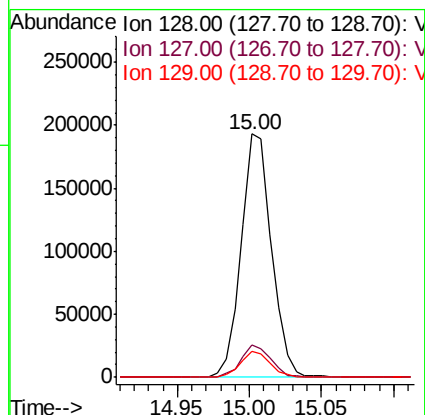
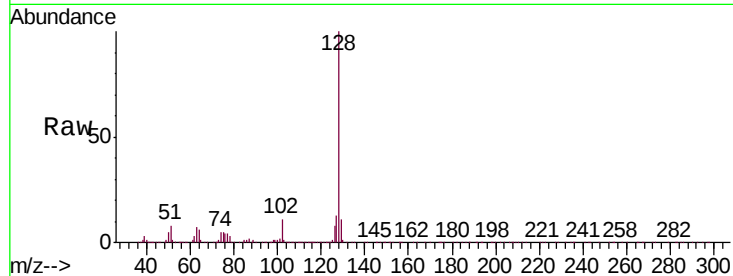




#69
Naphthalene
Concen: 11.932 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Instrument :
MSVOA_R
ClientSampleId :
VSTD01099

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.6	9.2	13.8



#70
1,2,3-Trichlorobenzene
Concen: 10.147 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. -0.01 min
Lab File: VR026258.D
Acq: 21 Nov 2018 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	73.9	110.9
145	36.0	28.2	42.2

