

Data File : VR026228.D
Acq On : 19 Nov 2018 21:08
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

Quant Time: Nov 20 04:19:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 04:16:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	1053860	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	823270	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	342411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	322749	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	2.63	69	277470	3.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.40%
11) 1,1-Dichloroethene-d2	3.61	63	767517	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	6.59	46	323951	47.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.84%
24) Chloroform-d	7.20	84	636778	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	7.90	65	255705	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	7.85	84	1265373	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	8.90	67	315639	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	1161302	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	10.24	79	89125	5.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.60%
46) 2-Hexanone-d5	10.59	63	231405	50.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.18%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	122806	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	258247	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	309488	4.629 ug/L	98
3) Chloromethane	2.01	50	375736	3.277 ug/L	98
5) Vinyl chloride	2.17	62	364783	3.226 ug/L	99
6) Bromomethane	2.52	94	231607	3.078 ug/L	94
8) Chloroethane	2.66	64	231561	3.241 ug/L	93
9) Trichlorofluoromethane	2.93	101	217272	1.430 ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	288917	3.310 ug/L	99
12) 1,1-Dichloroethene	3.63	96	335489	3.257 ug/L #	84
13) Acetone	3.70	43	188561	26.387 ug/L	97
14) Carbon disulfide	3.94	76	881804	3.145 ug/L	98
15) Methyl Acetate	4.19	43	59571	3.206 ug/L	96
16) Methylene chloride	4.40	84	293426	3.380 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	429639	4.931 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	329426	4.146 ug/L	94
19) 1,1-Dichloroethane	5.69	63	610766	4.197 ug/L	95
21) 2-Butanone	6.69	43	331811	40.203 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	315491	4.489 ug/L #	98

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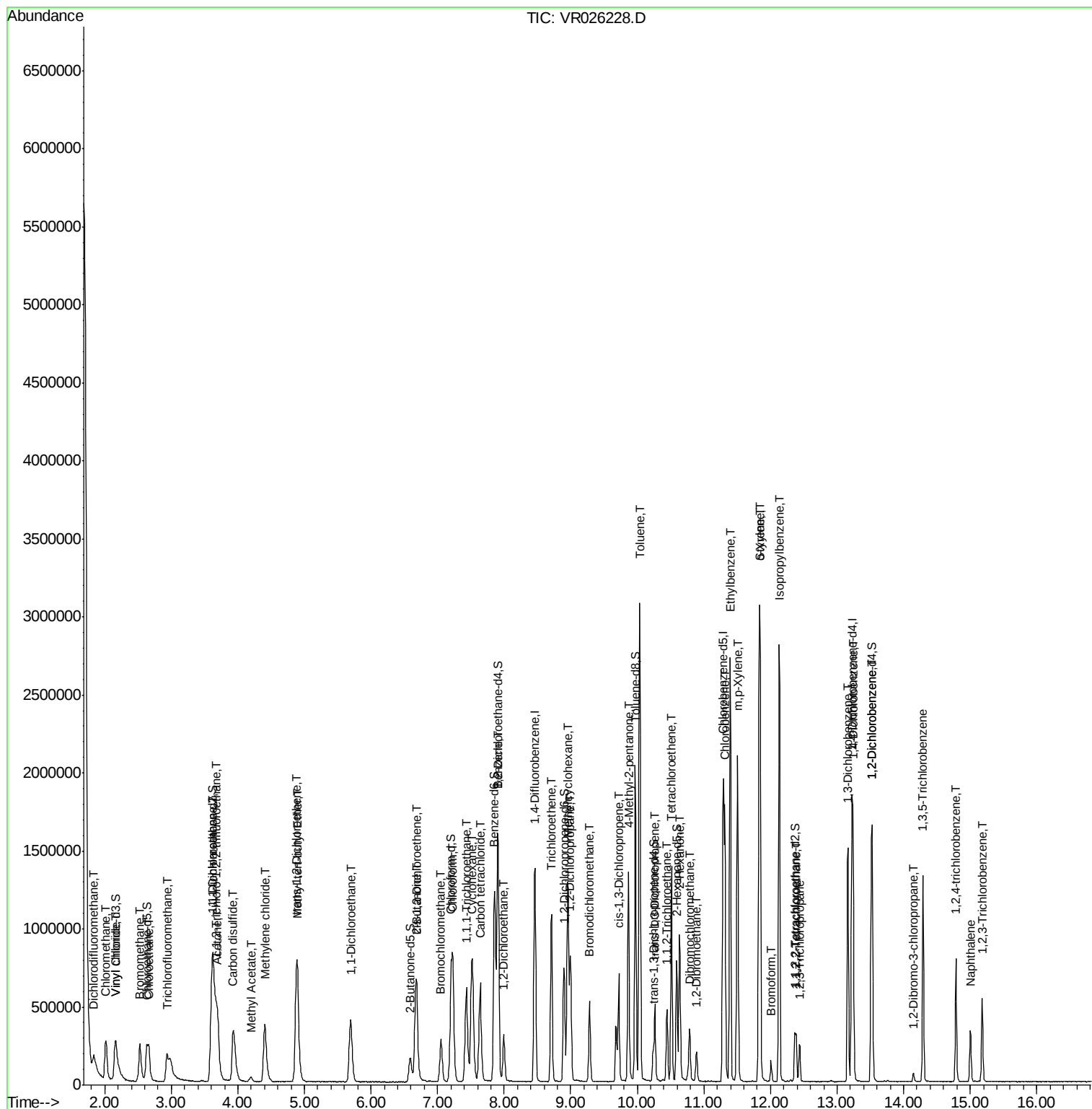
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	92351	4.304	ug/L	83
25) Chloroform	7.23	83	610649	4.298	ug/L	100
27) 1,2-Dichloroethane	7.99	62	279893	4.244	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	534871	4.853	ug/L	96
30) Cyclohexane	7.52	56	510897	5.292	ug/L	97
31) Carbon tetrachloride	7.64	117	463869	4.741	ug/L	99
33) Benzene	7.91	78	1311046	4.412	ug/L	100
34) Trichloroethene	8.71	95	353575	4.671	ug/L	96
35) Methylcyclohexane	8.96	83	497540	5.054	ug/L	98
37) 1,2-Dichloropropane	9.00	63	268847	4.313	ug/L	99
38) Bromodichloromethane	9.28	83	310653	4.467	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	351263	4.986	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	852447	48.403	ug/L	97
42) Toluene	10.04	91	1957357	6.323	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	228901	4.870	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	120937	4.495	ug/L	96
47) Tetrachloroethene	10.51	164	258279	4.994	ug/L	97
48) 2-Hexanone	10.63	43	561550	47.282	ug/L	99
49) Dibromochloromethane	10.79	129	141893	4.453	ug/L	96
50) 1,2-Dibromoethane	10.89	107	106264	4.659	ug/L	94
51) Chlorobenzene	11.32	112	756371	4.398	ug/L	98
52) Ethylbenzene	11.39	91	1615861	4.602	ug/L	99
53) m,p-Xylene	11.50	106	597975	4.692	ug/L	95
54) o-Xylene	11.83	106	551800	4.744	ug/L	95
55) Styrene	11.84	104	820111	4.536	ug/L	99
56) Isopropylbenzene	12.13	105	1546264	4.923	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	111642	4.296	ug/L	94
59) 1,2,3-Trichloropropane	12.43	75	86235	4.407	ug/L	98
61) Bromoform	12.01	173	52673	3.891	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	506971	4.892	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	494365	4.338	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	388960	4.473	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	11651	3.612	ug/L #	64
67) 1,3,5-Trichlorobenzene	14.29	180	331419	5.134	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	200743	5.571	ug/L	98
69) Naphthalene	15.00	128	221715	5.832	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	140181	5.558	ug/L	99

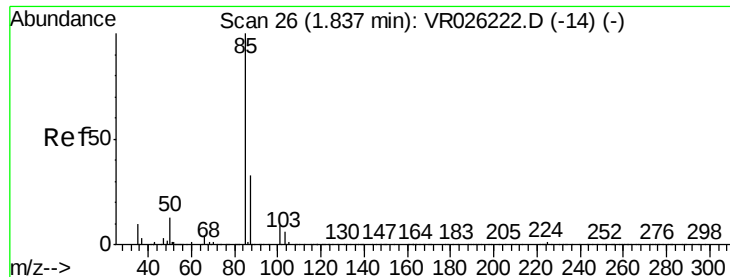
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.629 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

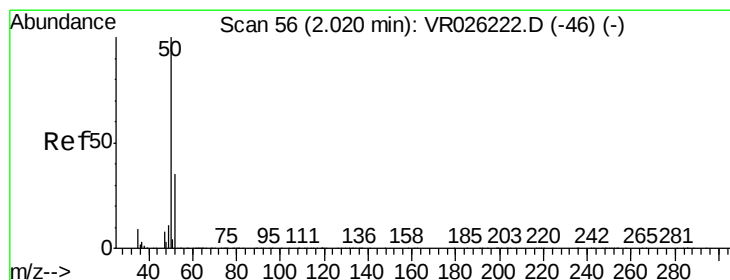
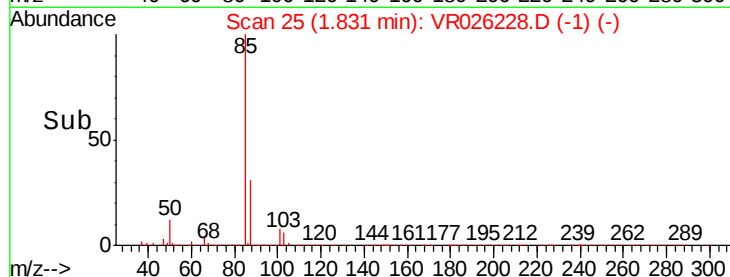
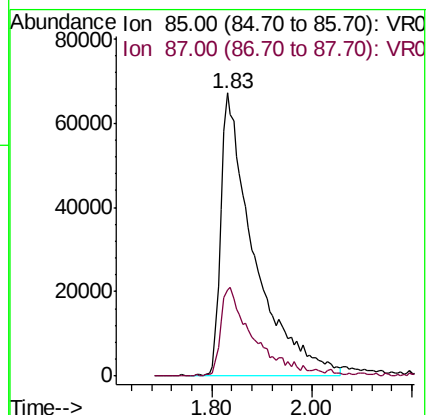
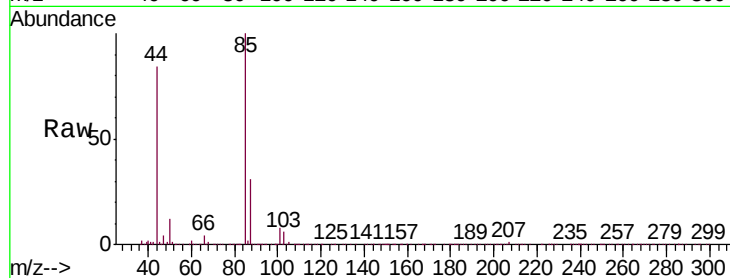
VSTD00587

Tgt Ion: 85 Resp: 309488

Ion Ratio Lower Upper

85 100

87 30.5 23.4 35.2



#3

Chloromethane

Concen: 3.277 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.01 min

Lab File: VR026228.D

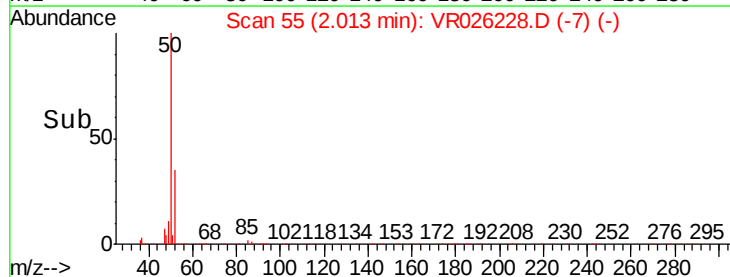
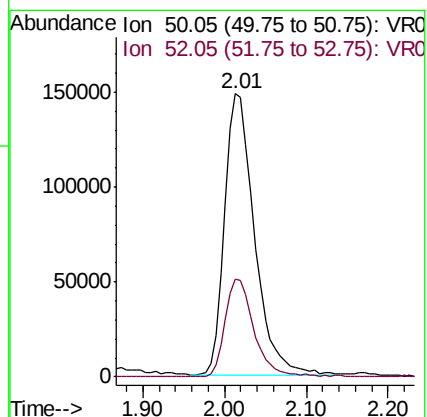
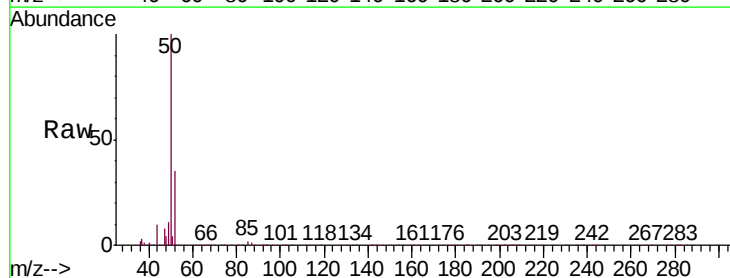
Acq: 19 Nov 2018 21:08

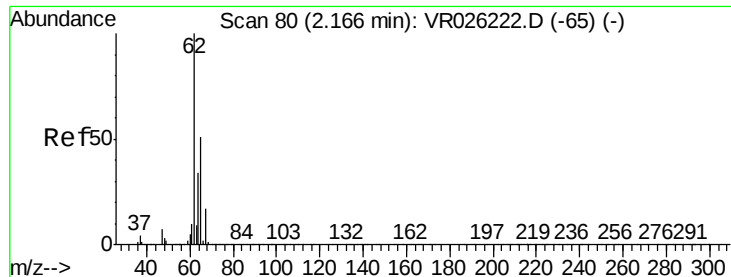
Tgt Ion: 50 Resp: 375736

Ion Ratio Lower Upper

50 100

52 34.7 23.4 43.6





#5

Vinyl chloride

Concen: 3.226 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

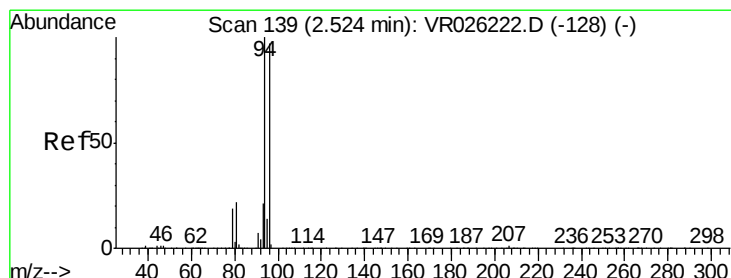
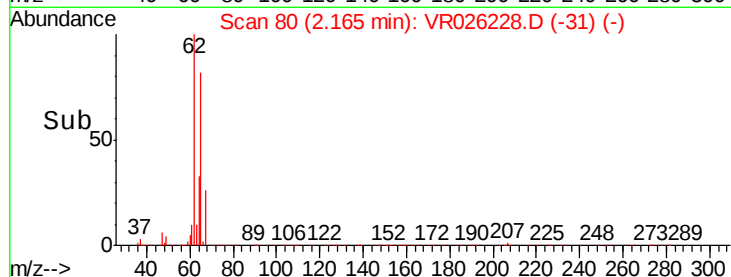
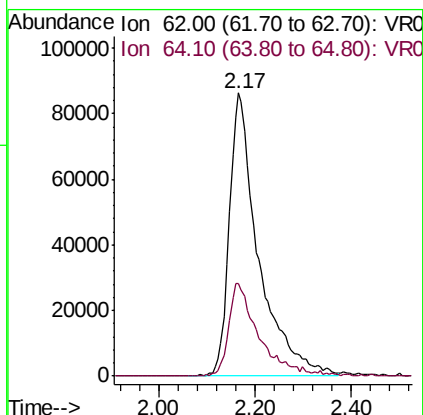
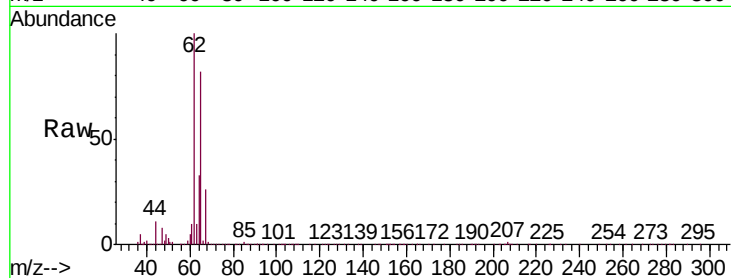
VSTD00587

Tgt Ion: 62 Resp: 364783

Ion Ratio Lower Upper

62 100

64 32.9 22.5 41.7



#6

Bromomethane

Concen: 3.078 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026228.D

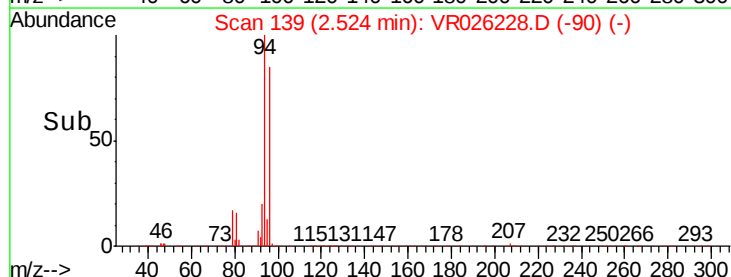
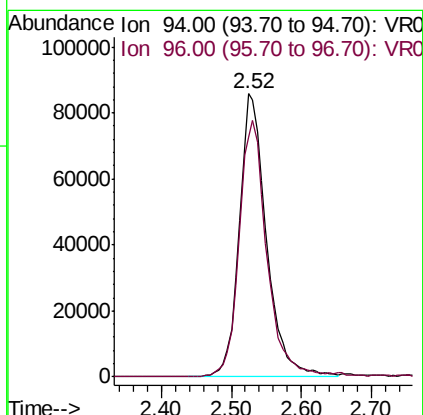
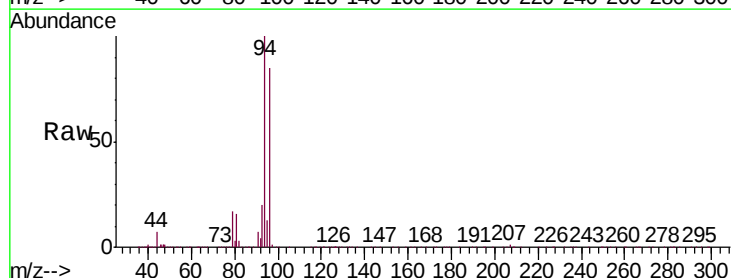
Acq: 19 Nov 2018 21:08

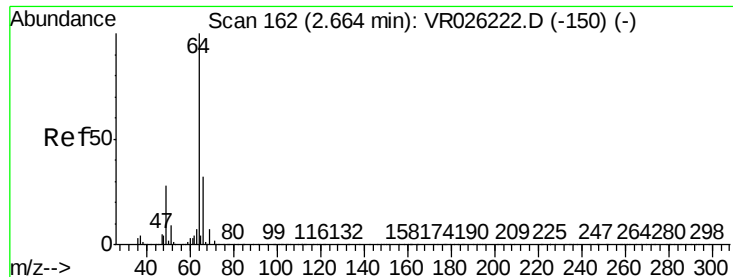
Tgt Ion: 94 Resp: 231607

Ion Ratio Lower Upper

94 100

96 84.6 63.4 117.8

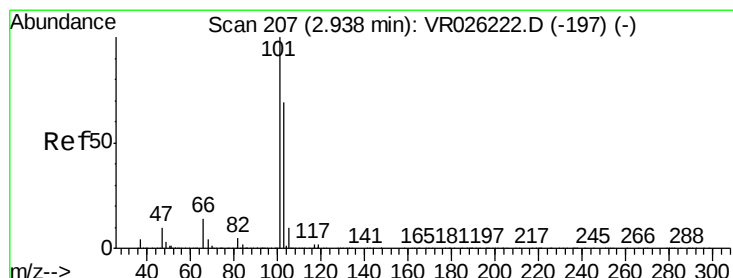
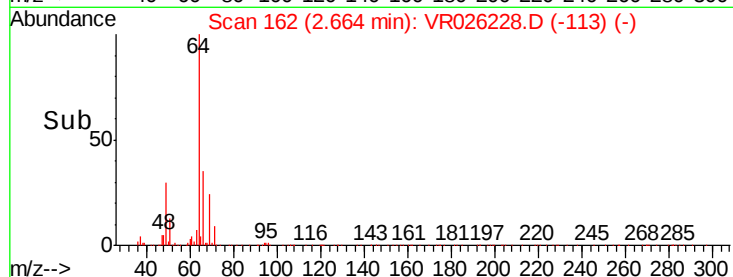
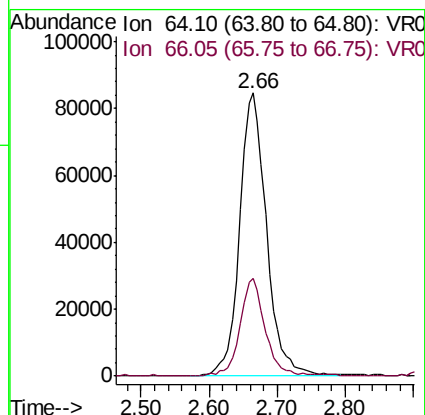
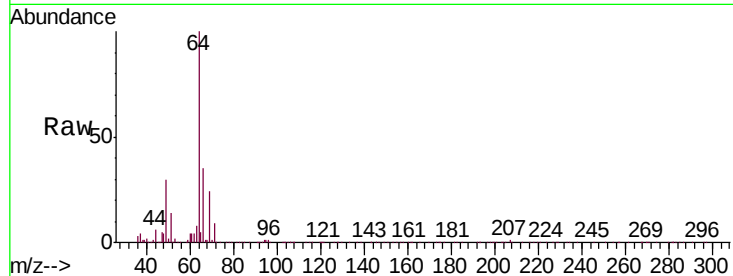




#8
Chloroethane
Concen: 3.241 ug/L
RT: 2.66 min Scan# 162
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

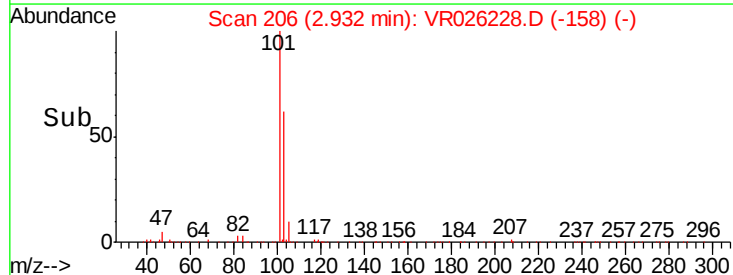
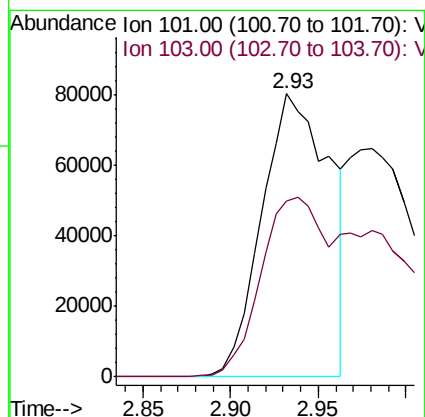
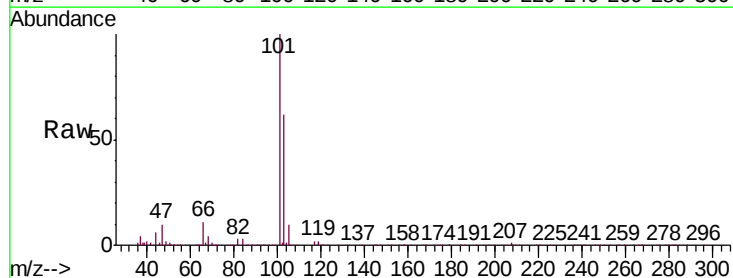
Instrument :
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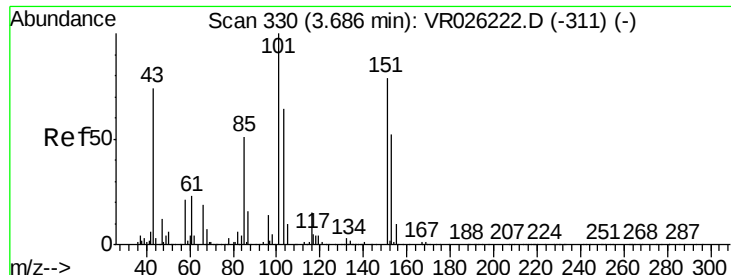
Tgt Ion: 64 Resp: 231561
Ion Ratio Lower Upper
64 100
66 34.7 21.4 39.8



#9
Trichlorofluoromethane
Concen: 1.430 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.01 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion: 101 Resp: 217272
Ion Ratio Lower Upper
101 100
103 59.1 25.8 38.8#





#10

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

Concen: 3.310 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

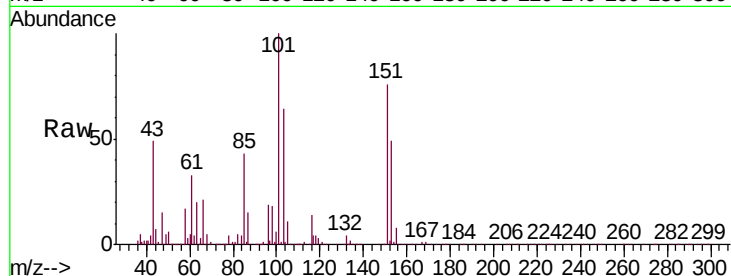
Tgt Ion: 101 Resp: 288917

Ion Ratio Lower Upper

101 100

85 46.5 37.9 56.9

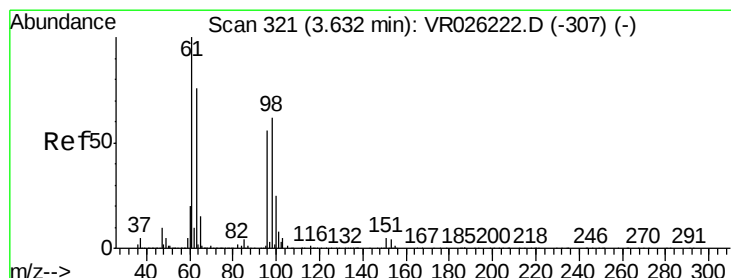
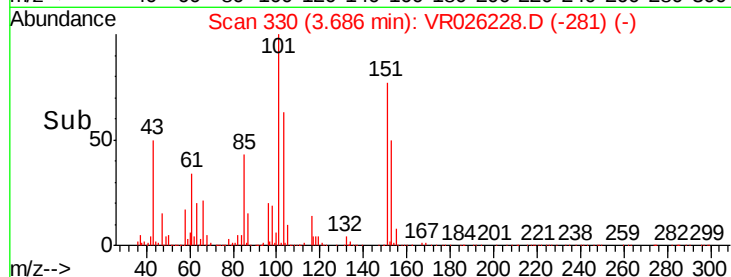
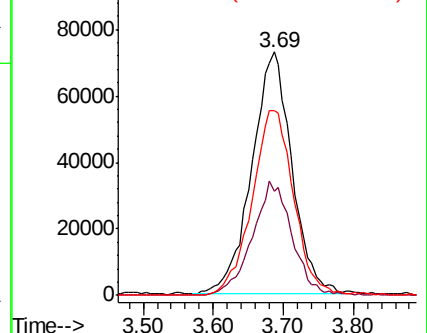
151 79.6 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.257 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.01 min

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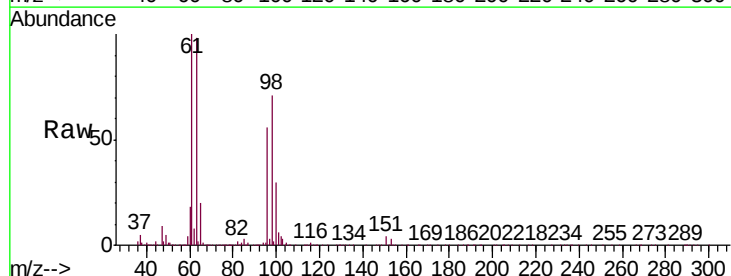
Tgt Ion: 96 Resp: 335489

Ion Ratio Lower Upper

96 100

61 179.7 125.5 233.1

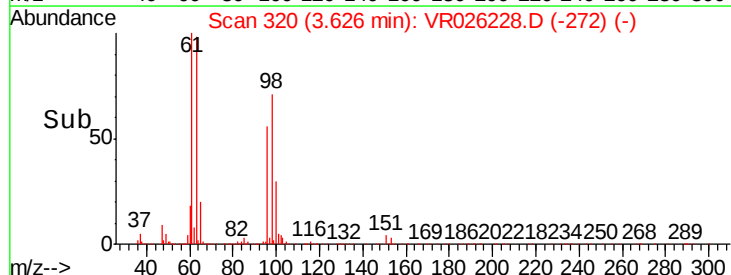
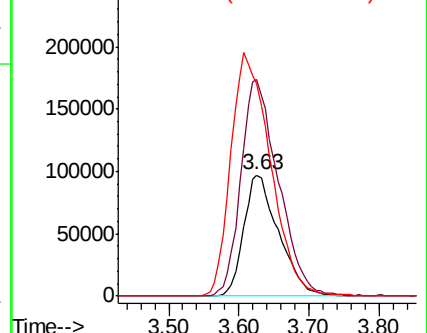
63 176.5 93.7 174.1#

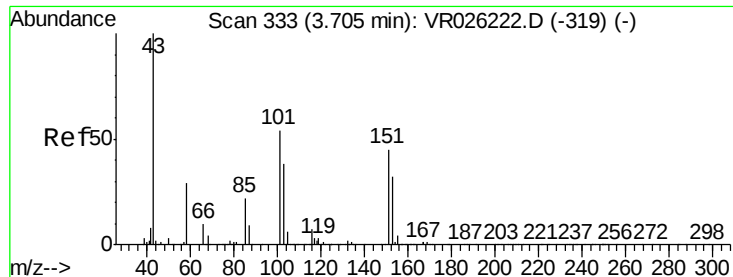


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 26.387 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.01 min

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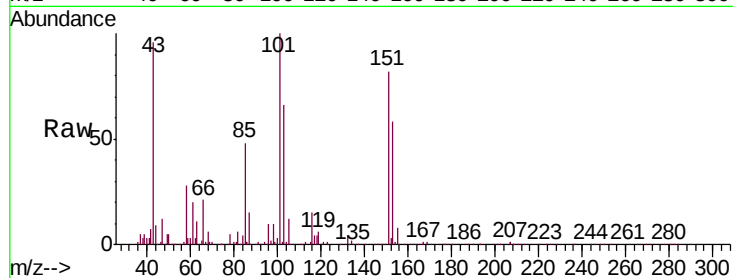
VSTD00587

Tgt Ion: 43 Resp: 188561

Ion Ratio Lower Upper

43 100

58 27.7 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.70

60000

50000

40000

30000

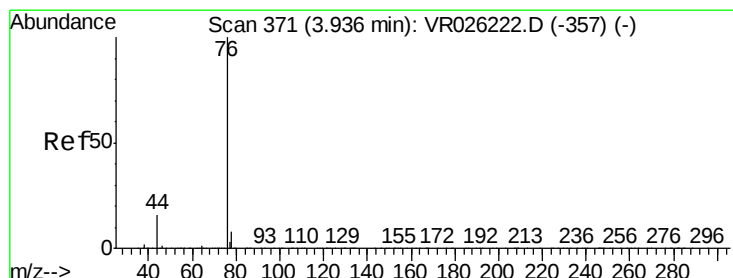
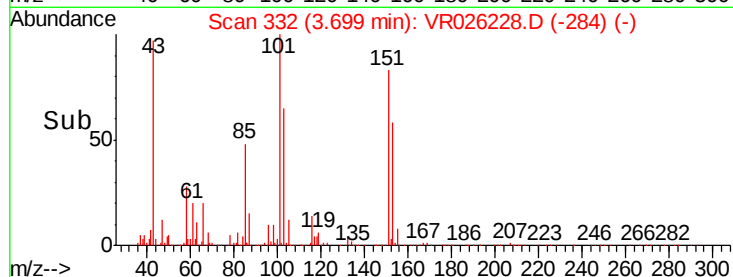
20000

10000

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Time-->

3.50 3.60 3.70 3.80



#14

Carbon disulfide

Concen: 3.145 ug/L

RT: 3.94 min Scan# 371

Delta R.T. -0.00 min

Lab File: VR026228.D

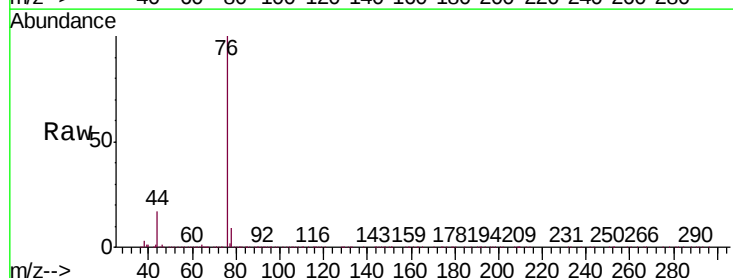
Acq: 19 Nov 2018 21:08

Tgt Ion: 76 Resp: 881804

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

3.94

250000

200000

150000

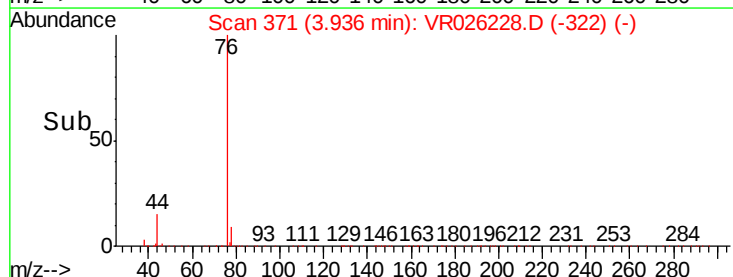
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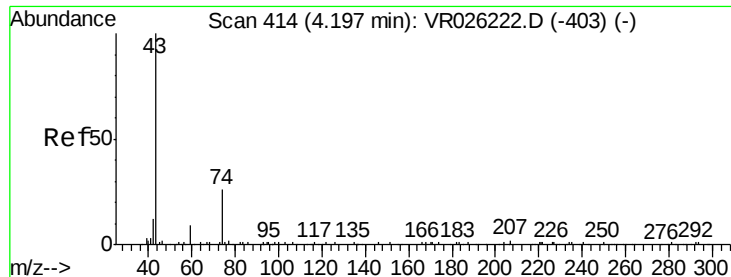
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Time-->

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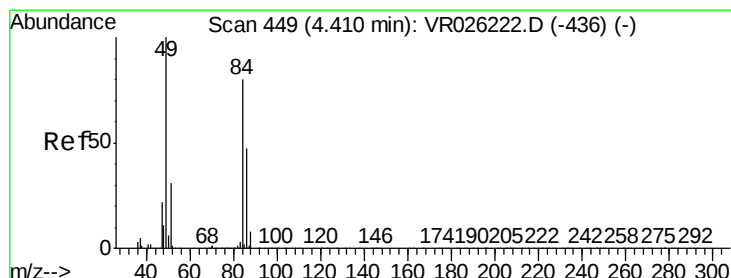
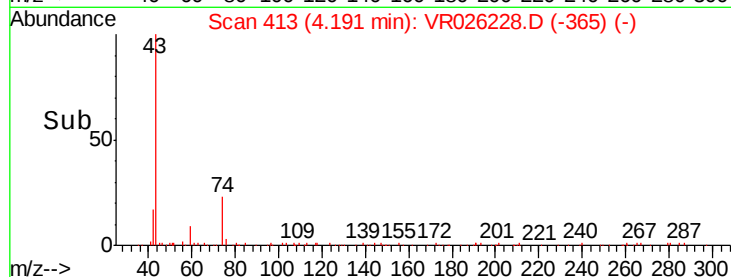
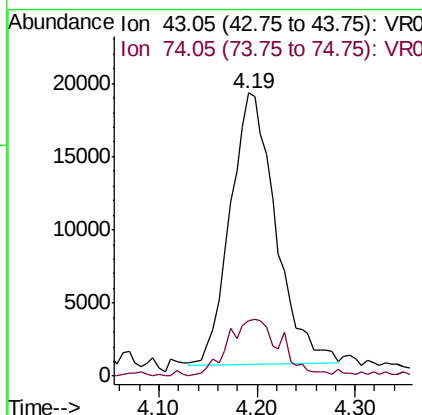
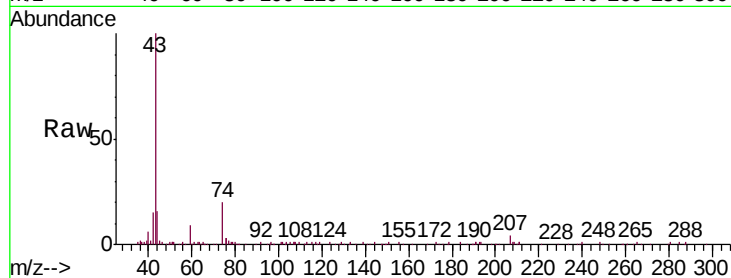




#15
Methyl Acetate
Concen: 3.206 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

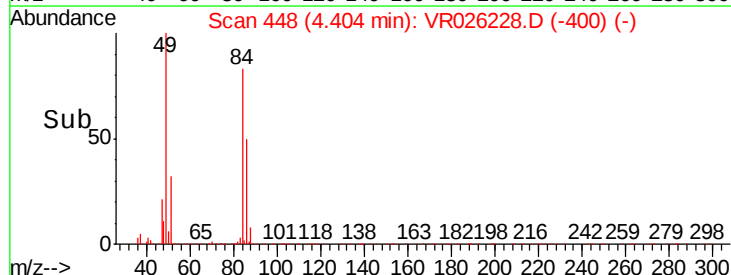
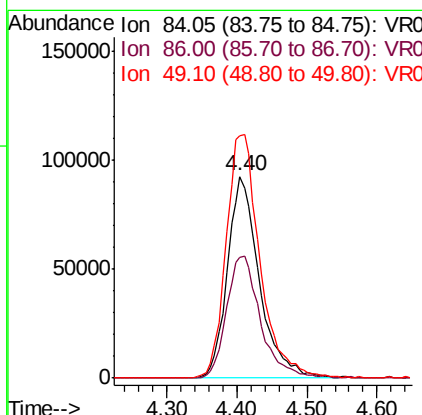
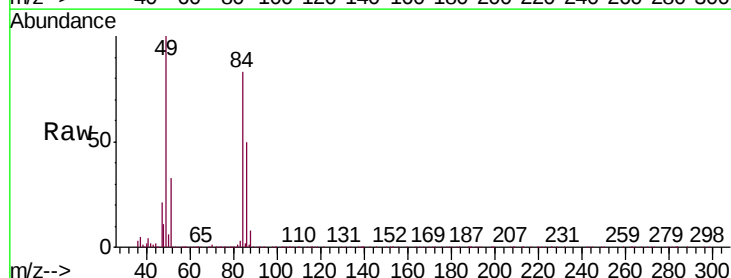
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

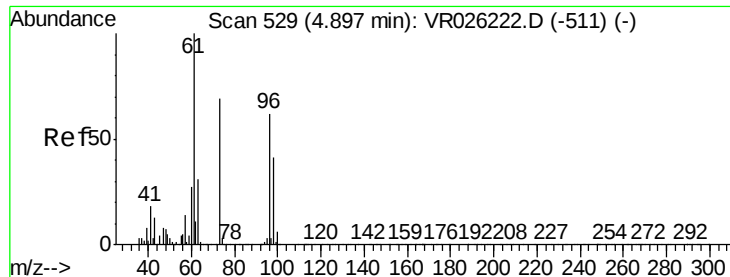
Tgt Ion: 43 Resp: 59571
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.6



#16
Methylene chloride
Concen: 3.380 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion: 84 Resp: 293426
Ion Ratio Lower Upper
84 100
86 59.8 45.1 83.9
49 120.3 87.9 163.3

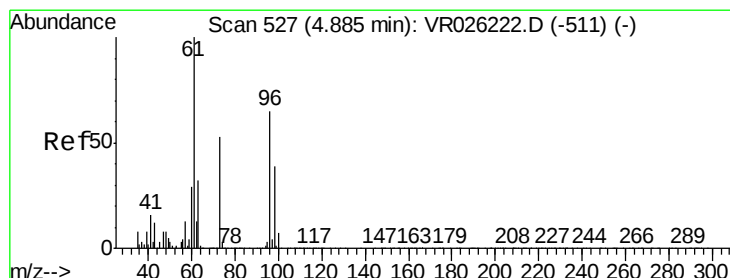
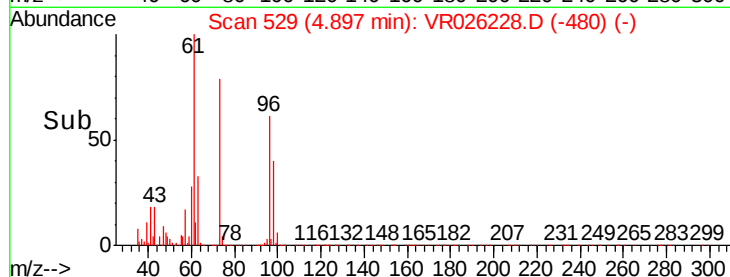
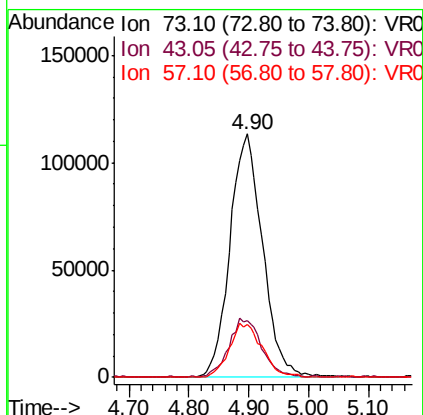
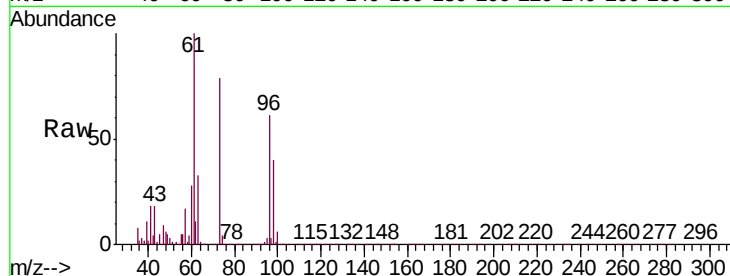




#17
Methyl tert-butyl Ether
Concen: 4.931 ug/L
RT: 4.90 min Scan# 529
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

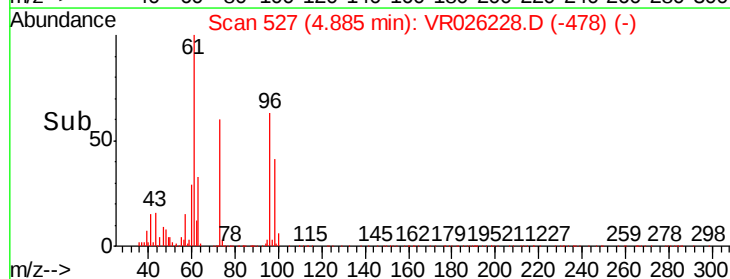
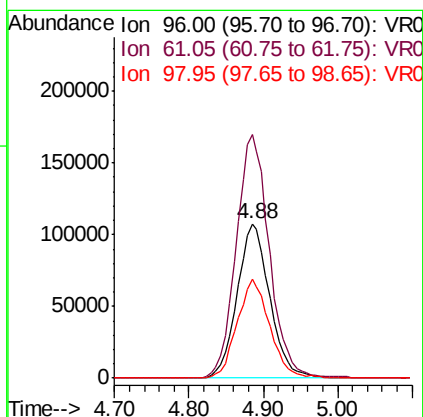
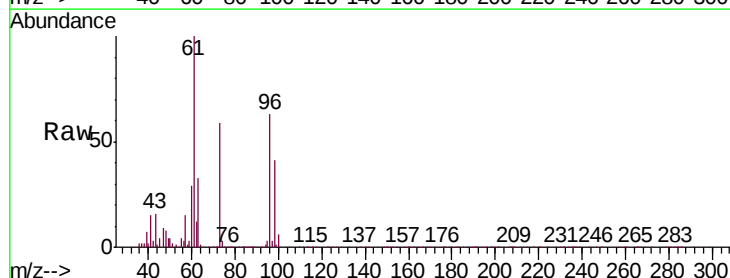
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

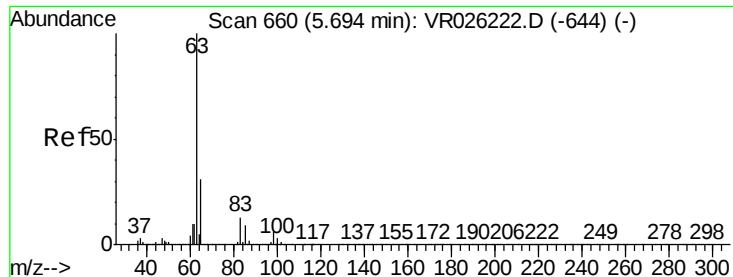
Tgt Ion: 73 Resp: 429639
Ion Ratio Lower Upper
73 100
43 24.6 19.1 28.7
57 22.5 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.146 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion: 96 Resp: 329426
Ion Ratio Lower Upper
96 100
61 157.7 105.6 196.2
98 64.5 41.5 77.1

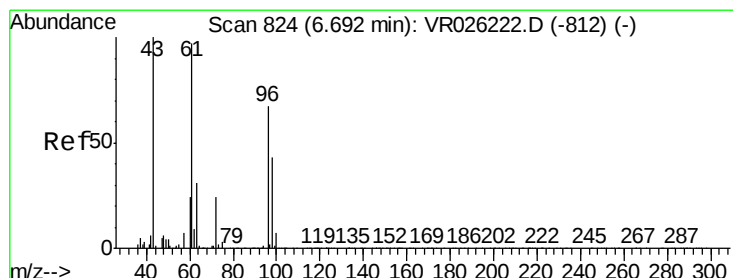
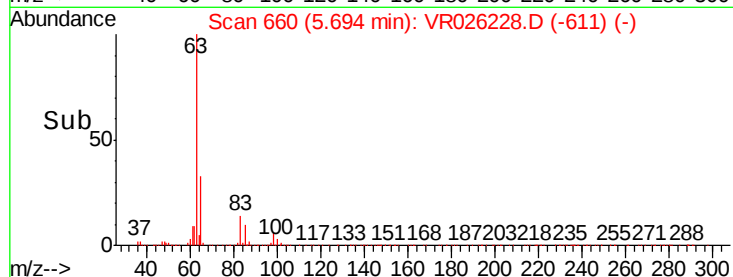
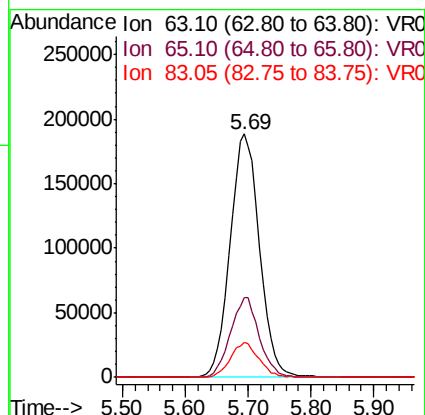
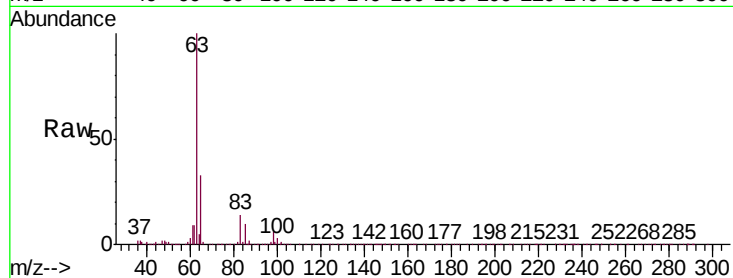




#19
 1,1-Dichloroethane
 Concen: 4.197 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

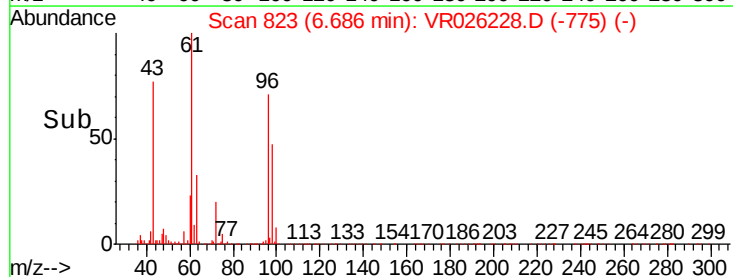
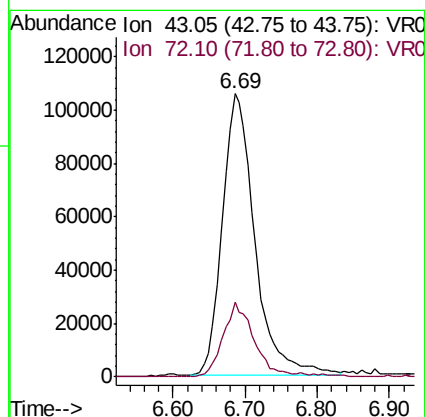
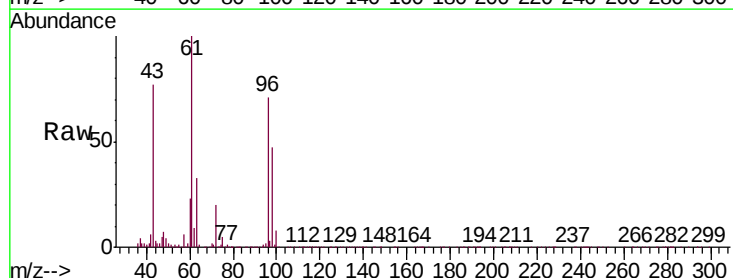
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

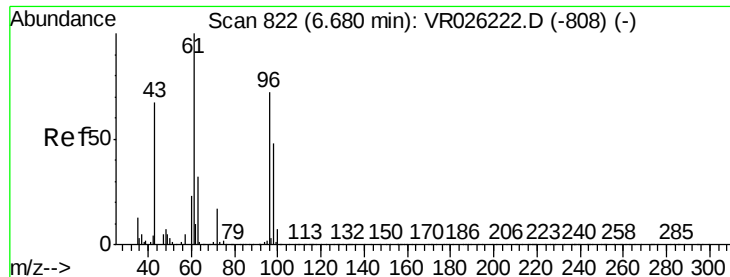
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.6	20.9	38.7
83	14.3	9.1	16.9



#21
 2-Butanone
 Concen: 40.203 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.3	11.9	35.9



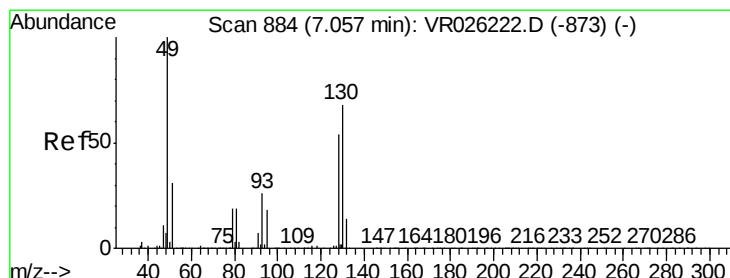
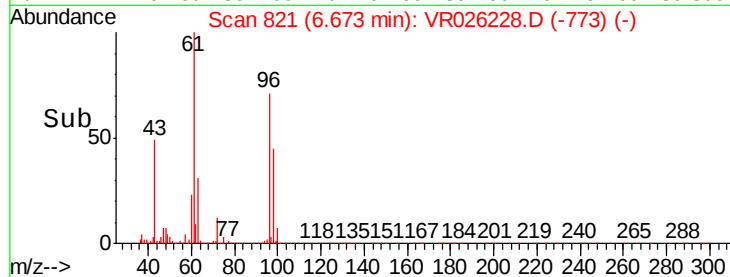
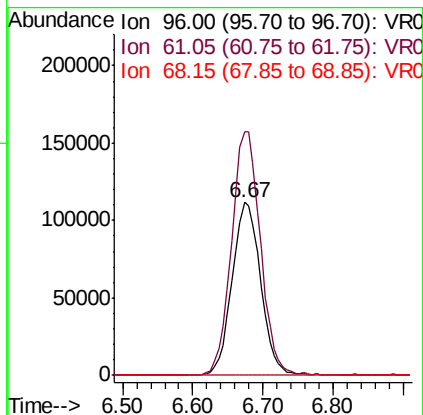
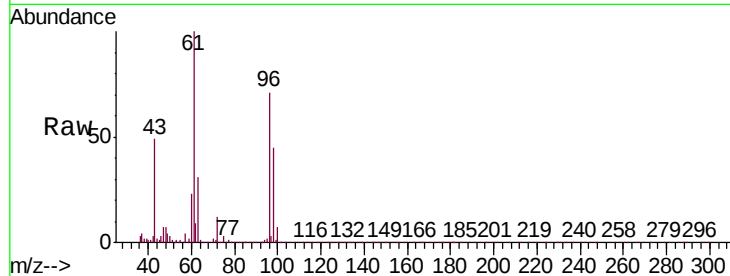


#22

cis-1,2-Dichloroethene
Concen: 4.489 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

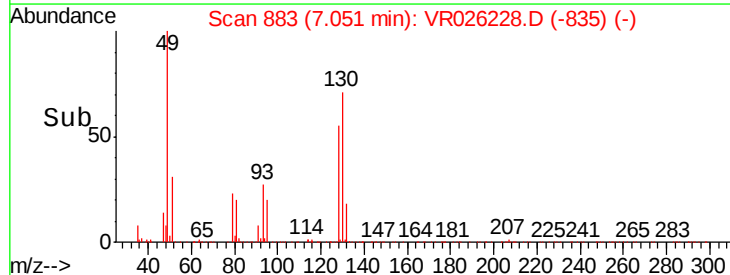
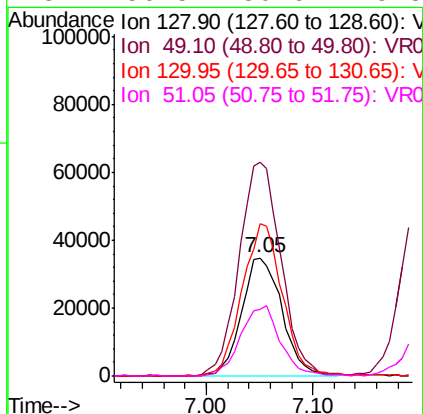
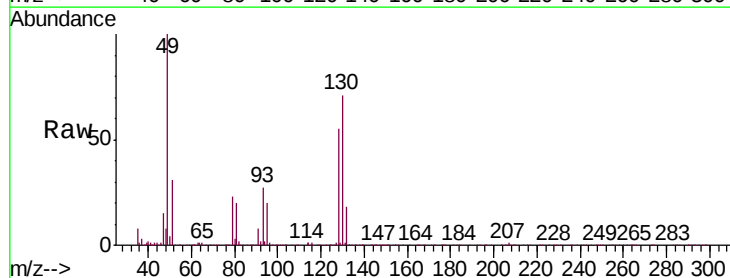
Tgt Ion: 96 Resp: 315491
Ion Ratio Lower Upper
96 100
61 141.0 97.4 180.8
68 0.0 0.1 0.3#

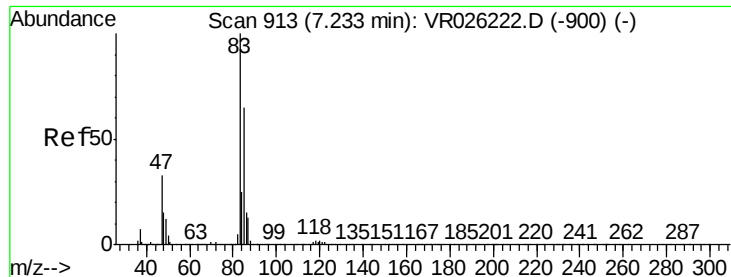


#23

Bromochloromethane
Concen: 4.304 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.01 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion: 128 Resp: 92351
Ion Ratio Lower Upper
128 100
49 181.3 151.1 280.5
130 129.6 80.5 149.5
51 56.5 50.6 75.8





#25

Chloroform

Concen: 4.298 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

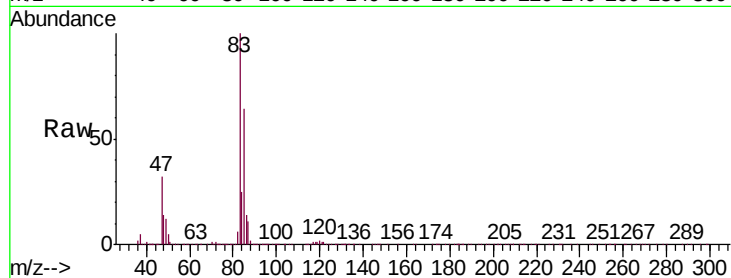
VSTD00587

Tgt Ion: 83 Resp: 610649

Ion Ratio Lower Upper

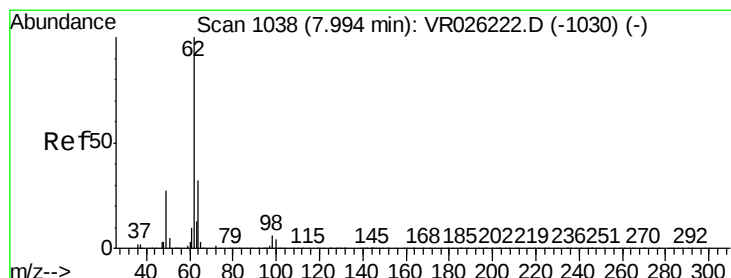
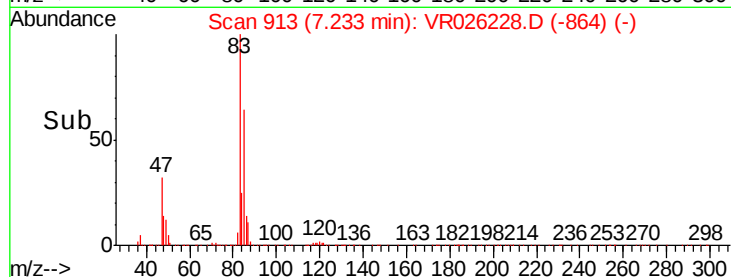
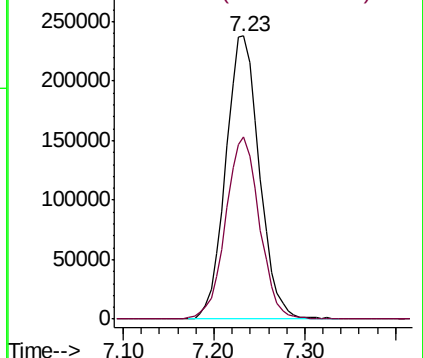
83 100

85 64.2 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.244 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026228.D

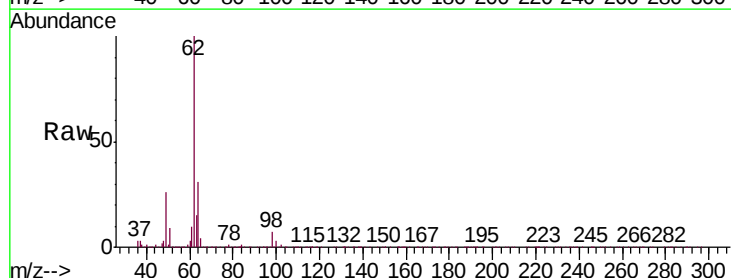
Acq: 19 Nov 2018 21:08

Tgt Ion: 62 Resp: 279893

Ion Ratio Lower Upper

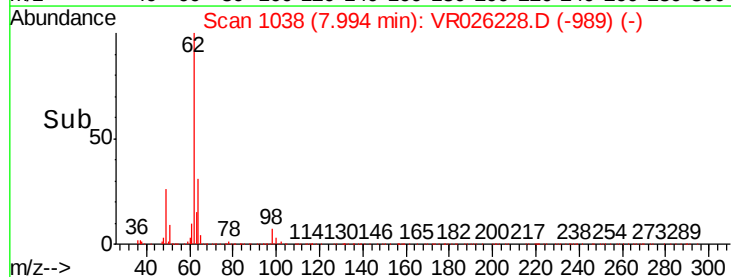
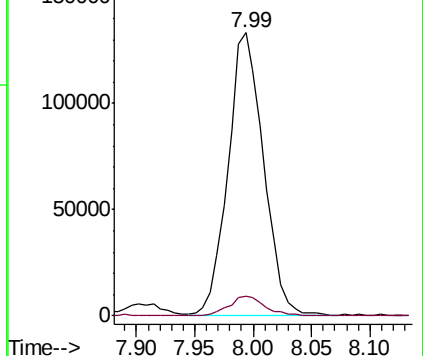
62 100

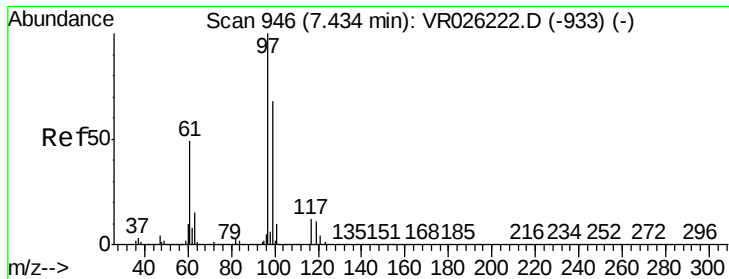
98 6.8 5.0 7.6



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

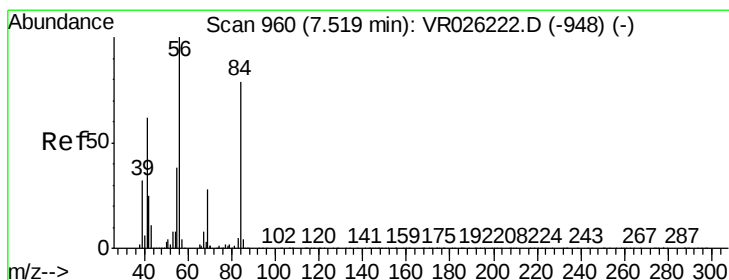
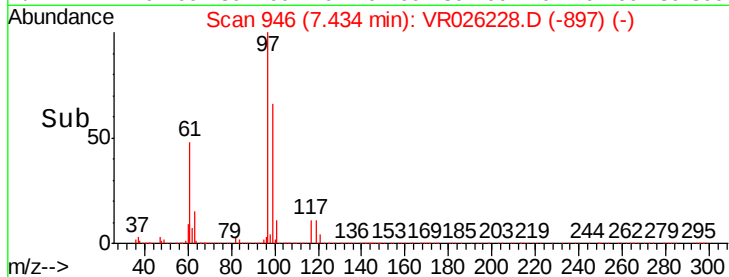
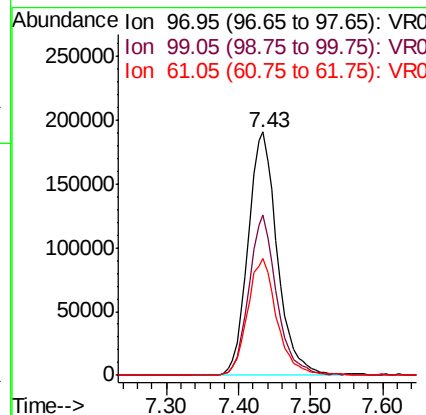
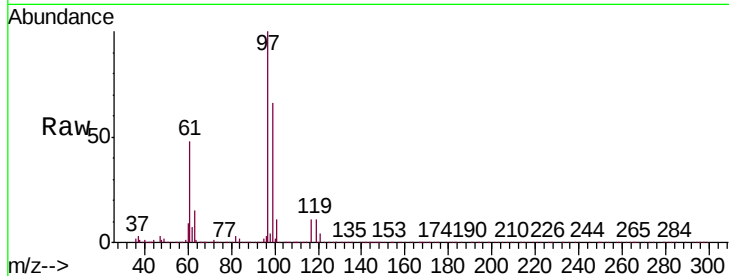




#29
 1,1,1-Trichloroethane
 Concen: 4.853 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

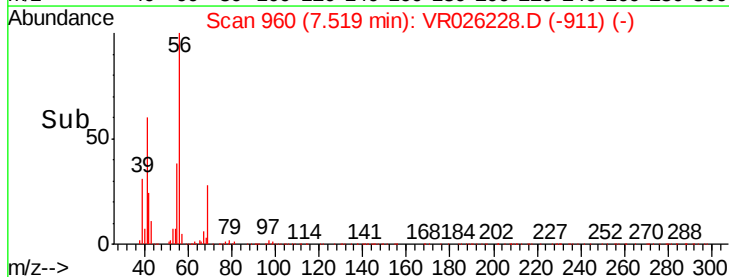
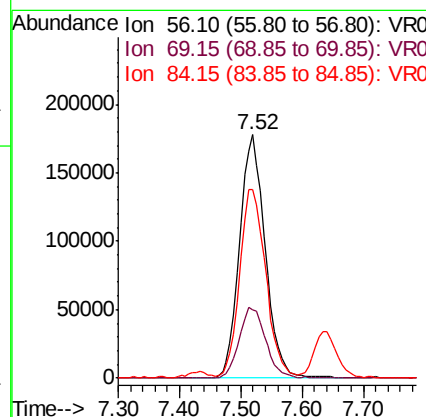
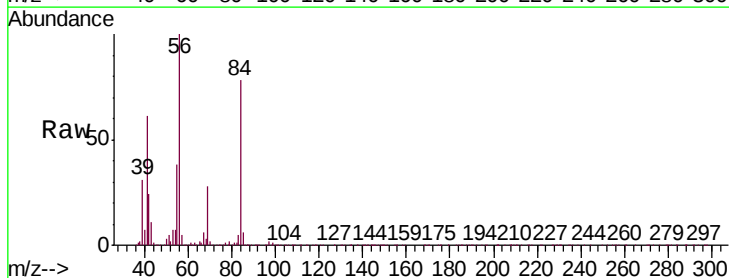
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00587

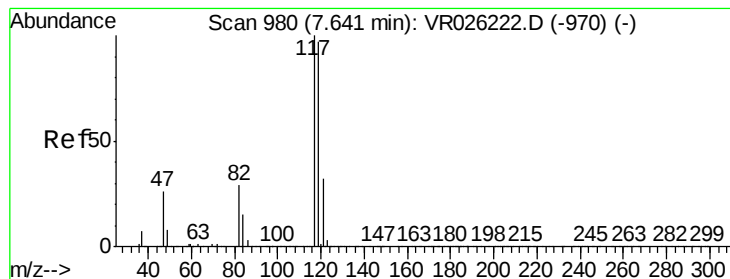
Tgt Ion: 97 Resp: 534871
 Ion Ratio Lower Upper
 97 100
 99 62.7 52.2 78.2
 61 48.0 41.6 62.4



#30
 Cyclohexane
 Concen: 5.292 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion: 56 Resp: 510897
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.0 34.6
 84 78.6 60.8 91.2





#31

Carbon tetrachloride

Concen: 4.741 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

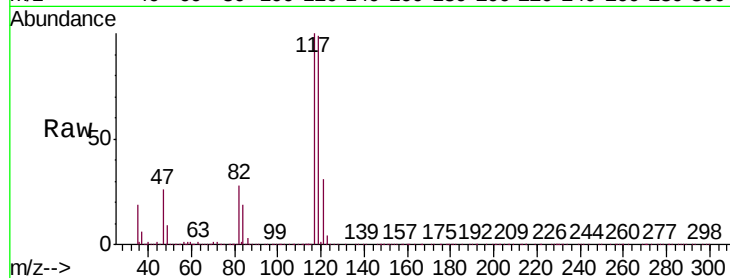
VSTD00587

Tgt Ion:117 Resp: 463869

Ion Ratio Lower Upper

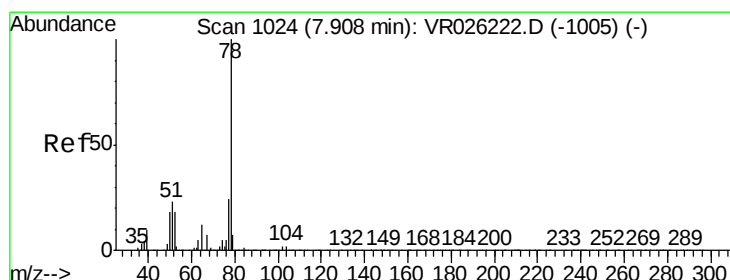
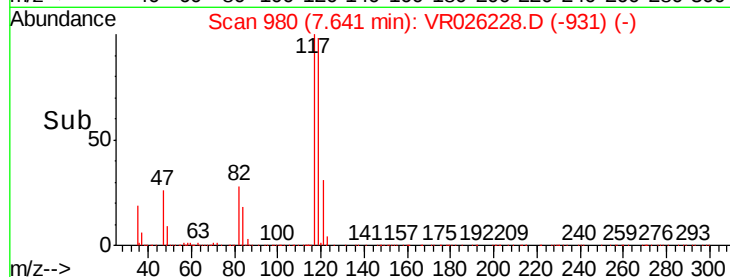
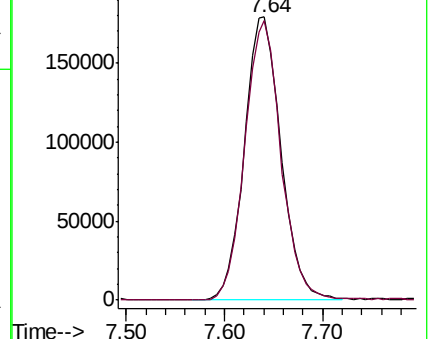
117 100

119 97.2 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.412 ug/L

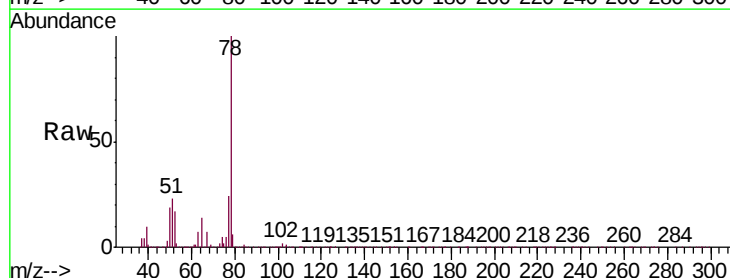
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

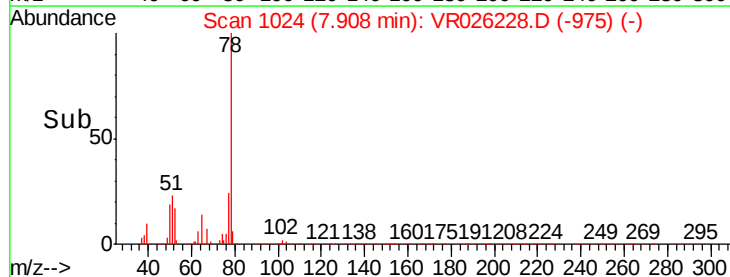
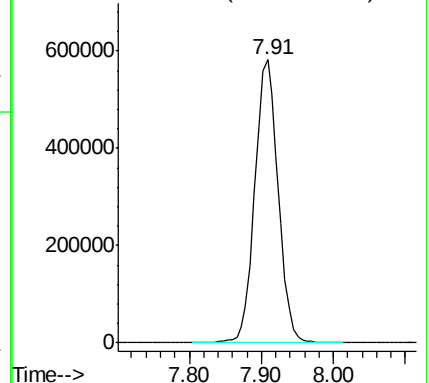
Lab File: VR026228.D

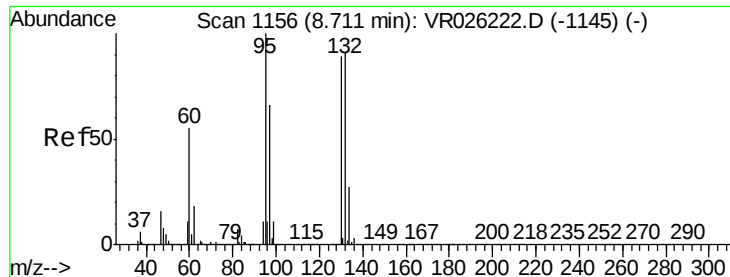
Acq: 19 Nov 2018 21:08

Tgt Ion: 78 Resp: 1311046



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.671 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion: 95 Resp: 353575

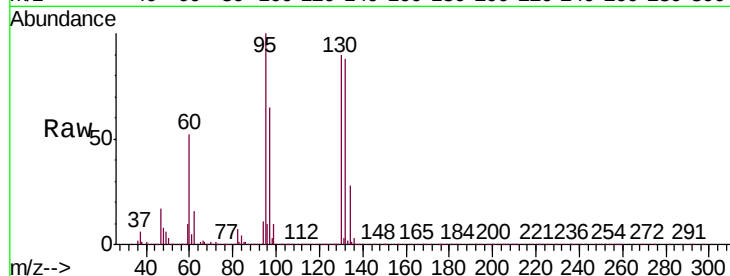
Ion Ratio Lower Upper

95 100

97 64.7 43.5 80.7

132 87.9 58.0 107.6

130 90.3 61.5 114.3

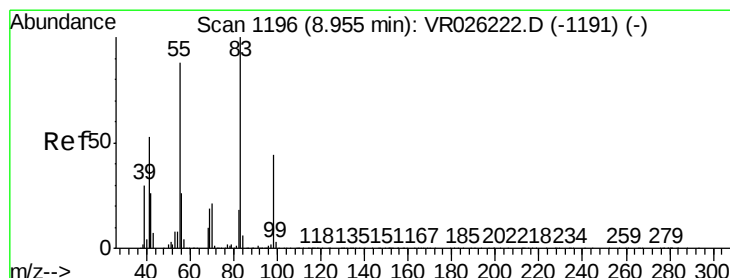
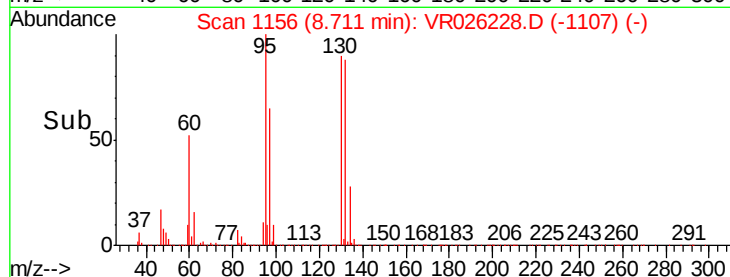
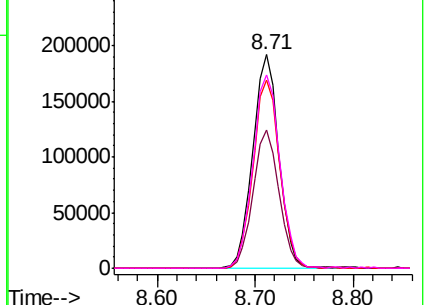


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.054 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

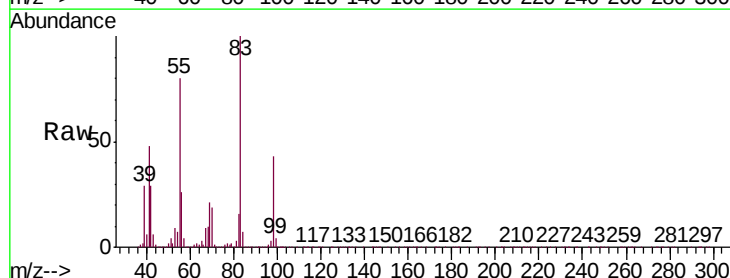
Tgt Ion: 83 Resp: 497540

Ion Ratio Lower Upper

83 100

55 82.9 67.9 101.9

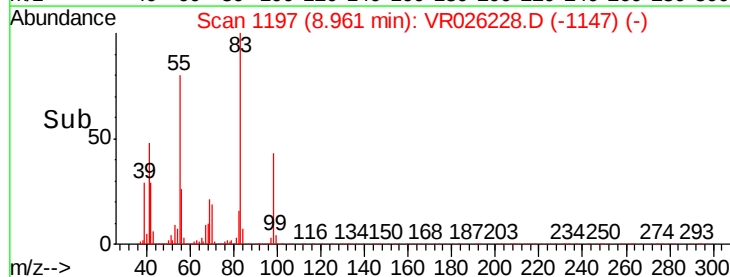
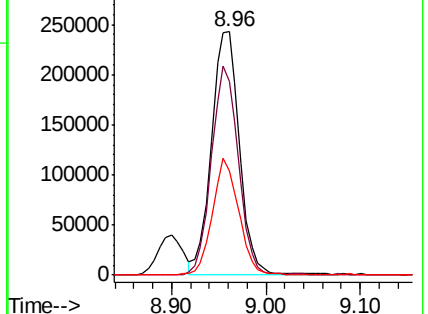
98 45.5 35.8 53.6

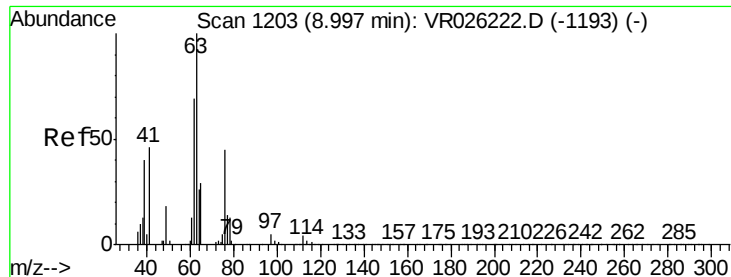


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.313 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

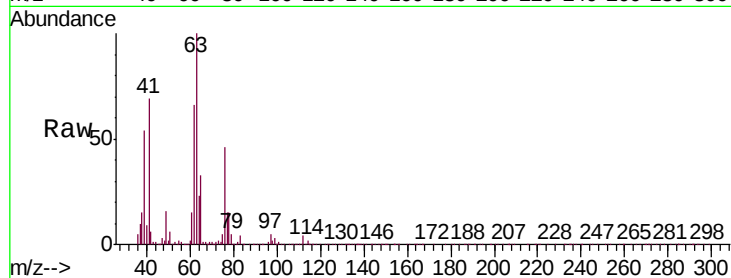
VSTD00587

Tgt Ion: 63 Resp: 268847

Ion Ratio Lower Upper

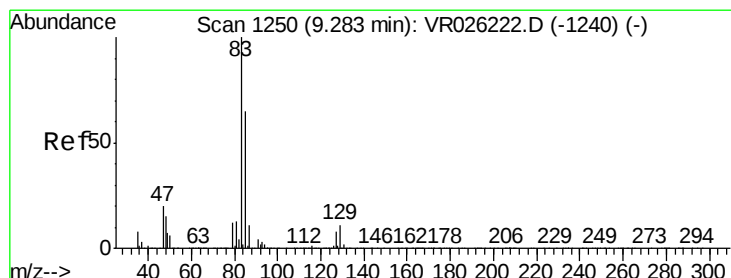
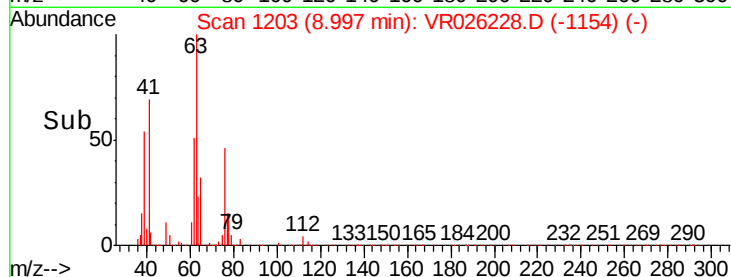
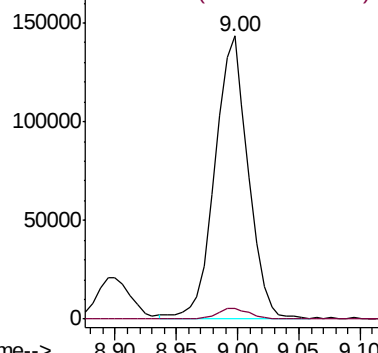
63 100

112 3.8 2.8 4.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.467 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

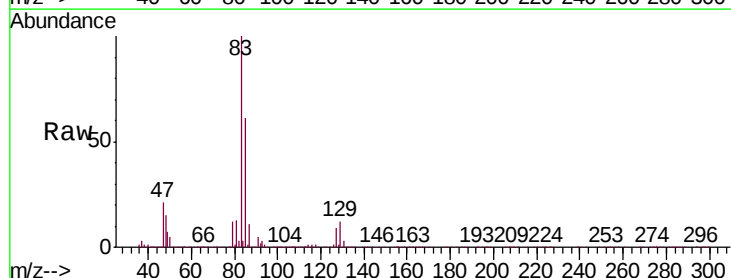
Tgt Ion: 83 Resp: 310653

Ion Ratio Lower Upper

83 100

85 60.6 44.4 82.4

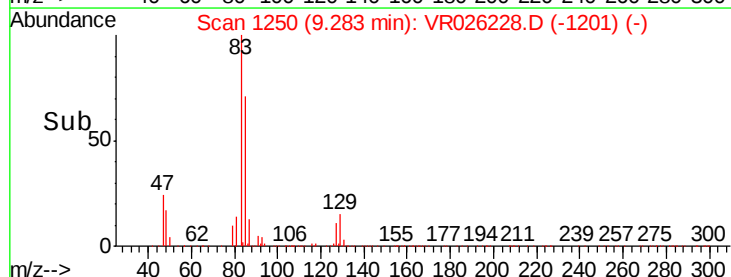
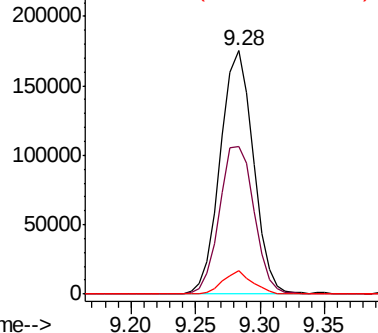
127 9.4 6.9 10.3

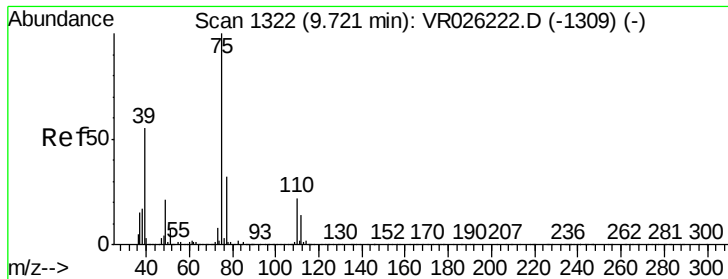


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

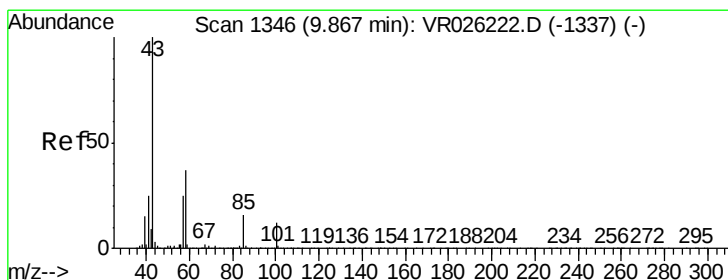
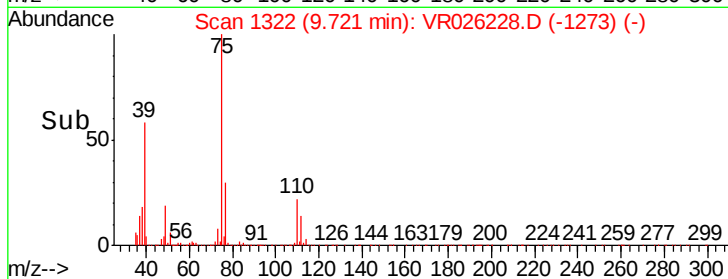
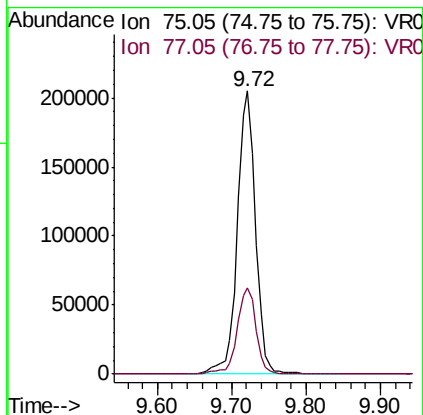
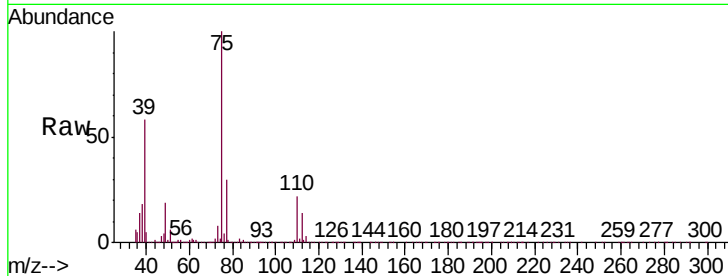




#39
 cis-1,3-Dichloropropene
 Concen: 4.986 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

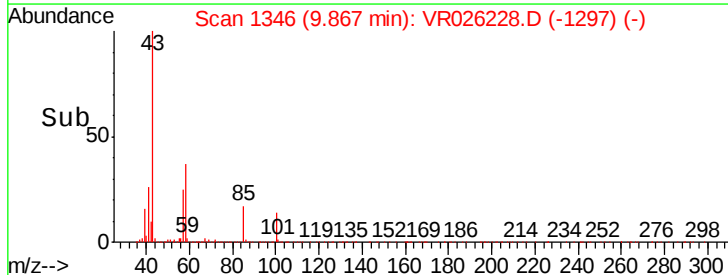
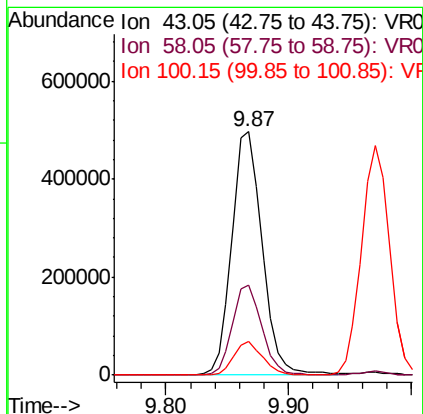
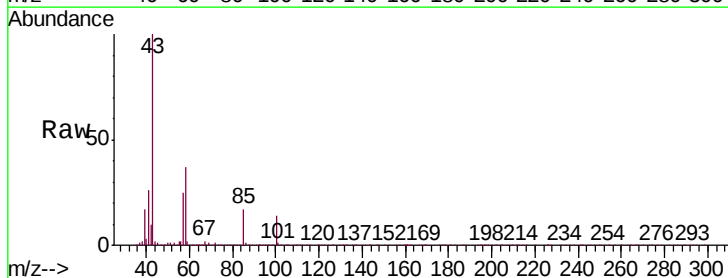
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

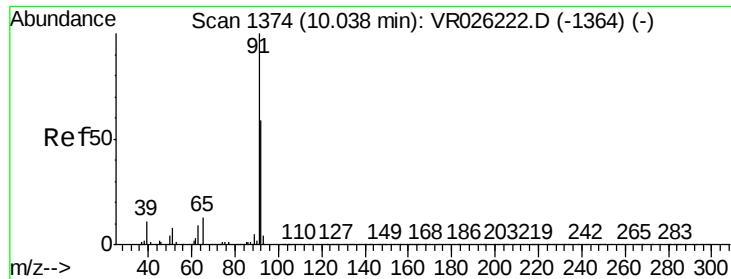
Tgt Ion: 75 Resp: 351263
 Ion Ratio Lower Upper
 75 100
 77 30.4 20.7 38.5



#40
 4-Methyl-2-pentanone
 Concen: 48.403 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion: 43 Resp: 852447
 Ion Ratio Lower Upper
 43 100
 58 36.2 27.8 41.6
 100 13.3 9.4 14.2





#42

Toluene

Concen: 6.323 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

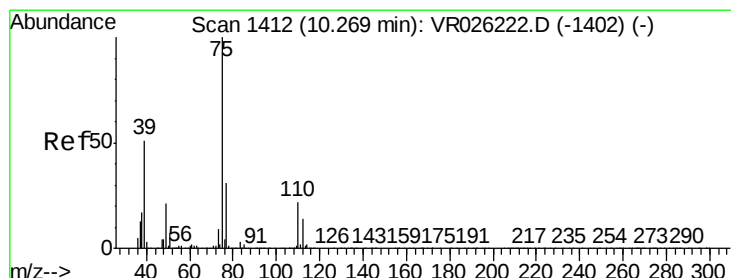
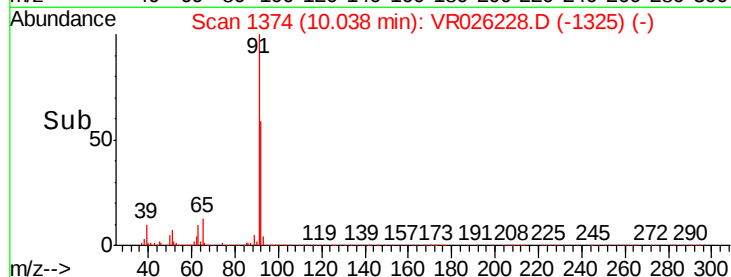
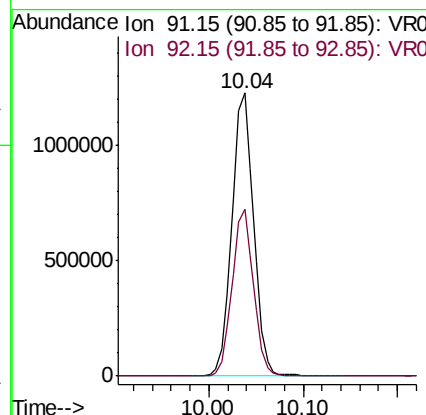
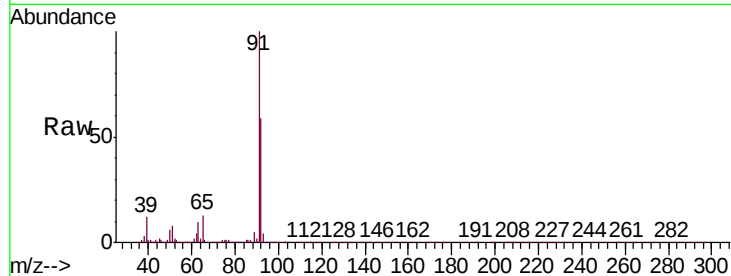
VSTD00587

Tgt Ion: 91 Resp: 1957357

Ion Ratio Lower Upper

91 100

92 58.8 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 4.870 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.01 min

Lab File: VR026228.D

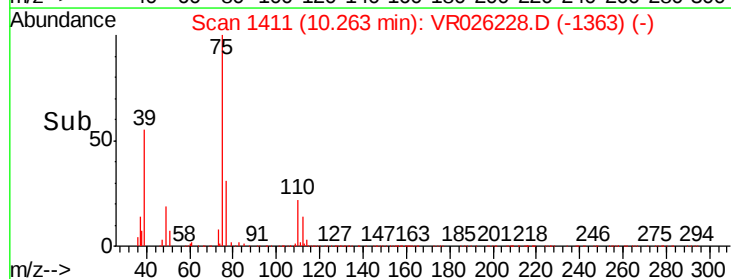
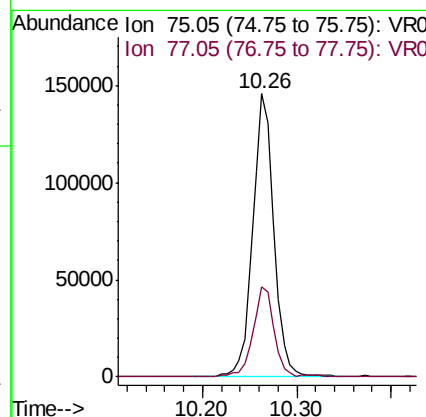
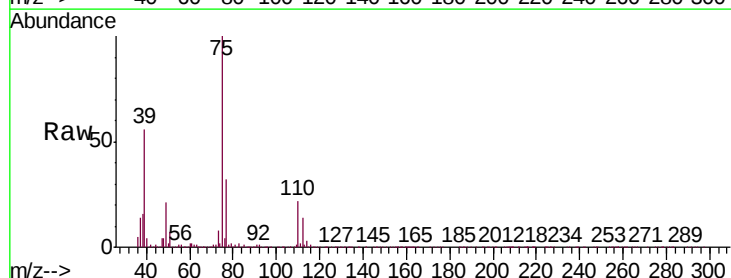
Acq: 19 Nov 2018 21:08

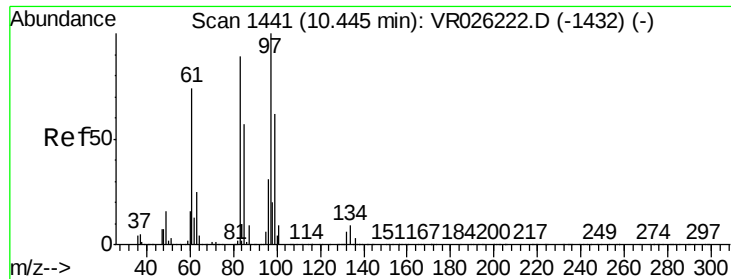
Tgt Ion: 75 Resp: 228901

Ion Ratio Lower Upper

75 100

77 31.8 23.7 44.1

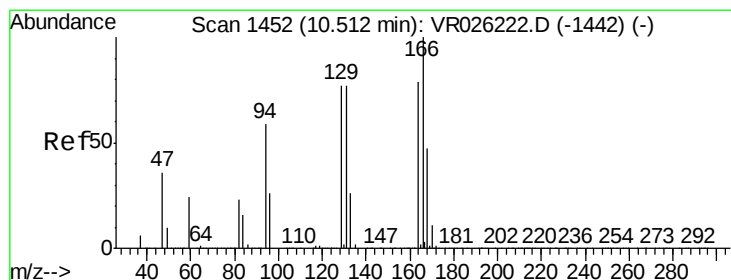
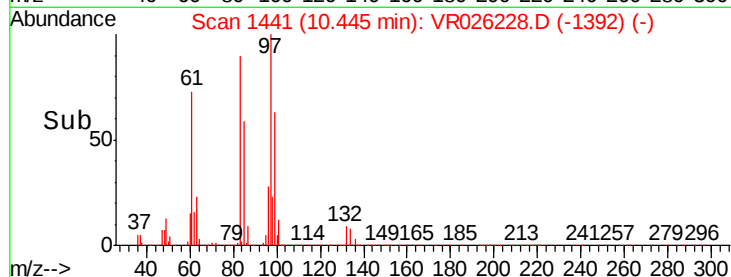
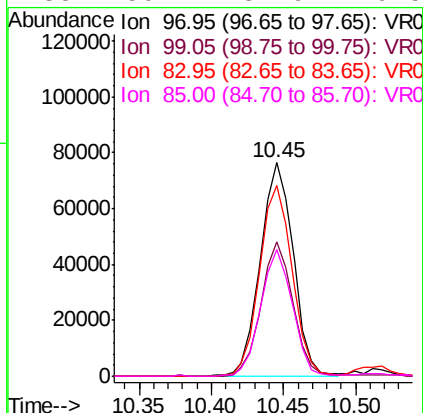
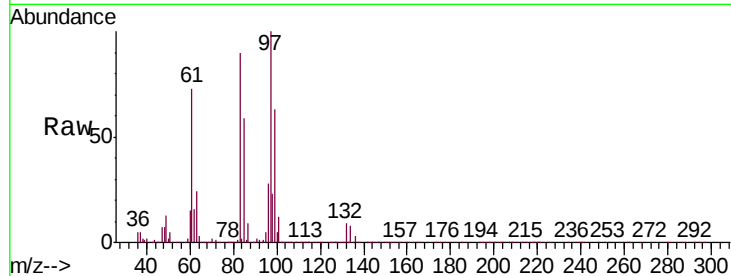




#45
 1,1,2-Trichloroethane
 Concen: 4.495 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

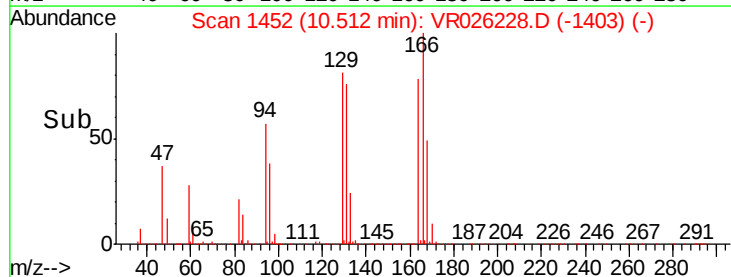
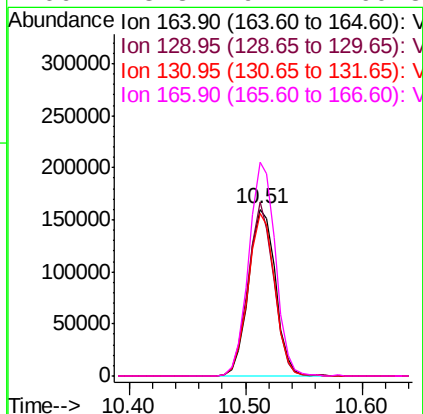
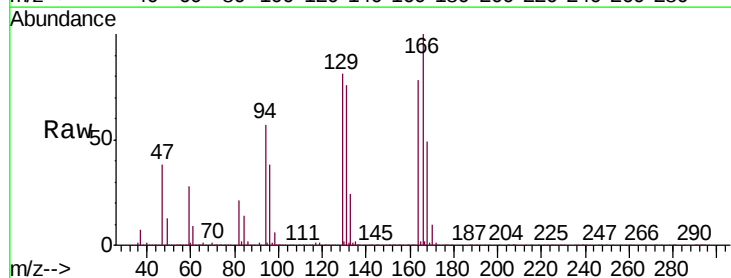
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

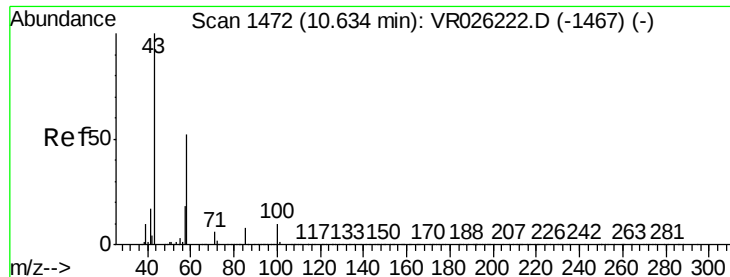
Tgt Ion:	97	Resp:	120937
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.0	80.0
83	89.6	61.0	113.2
85	59.4	37.9	70.5



#47
 Tetrachloroethene
 Concen: 4.994 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion:	164	Resp:	258279
Ion	Ratio	Lower	Upper
164	100		
129	104.4	72.3	134.3
131	97.6	73.4	136.2
166	128.3	91.4	169.8

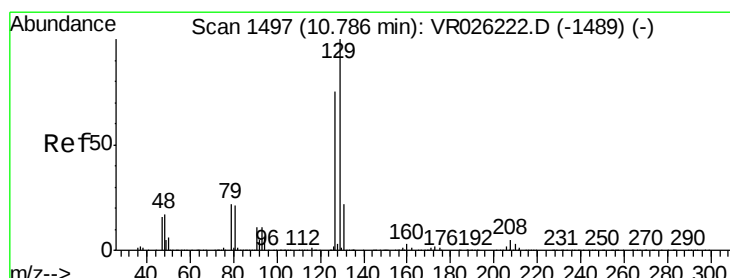
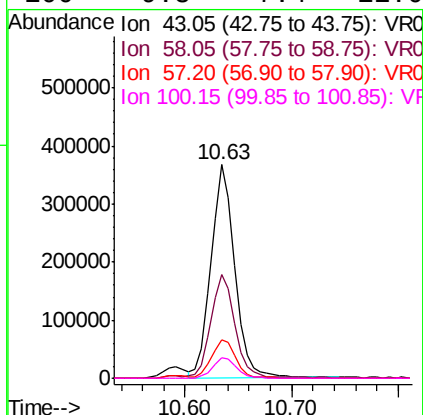
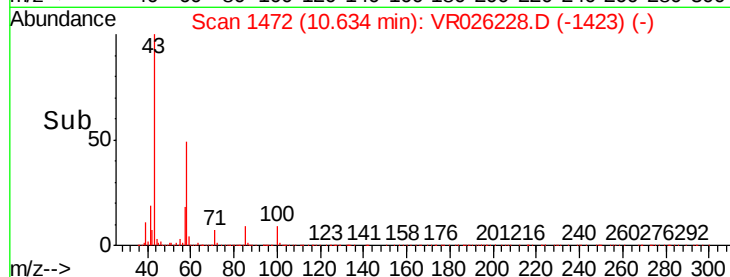
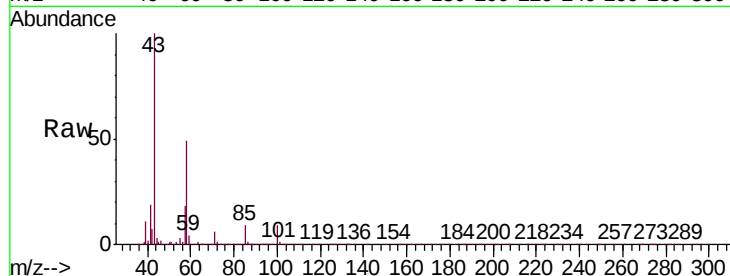




#48
2-Hexanone
Concen: 47.282 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

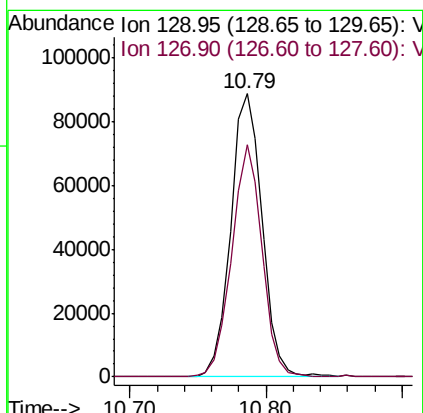
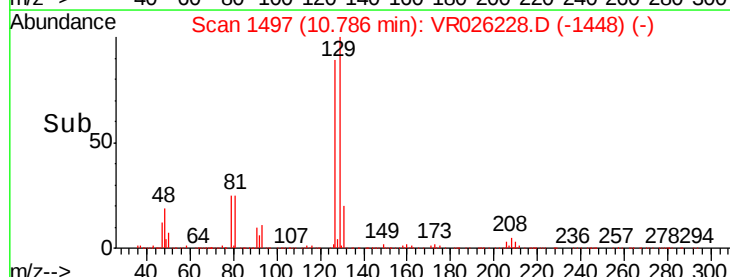
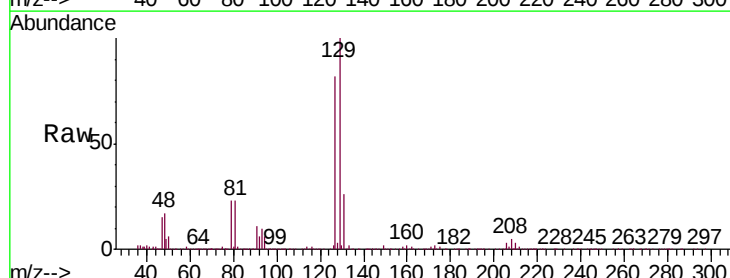
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

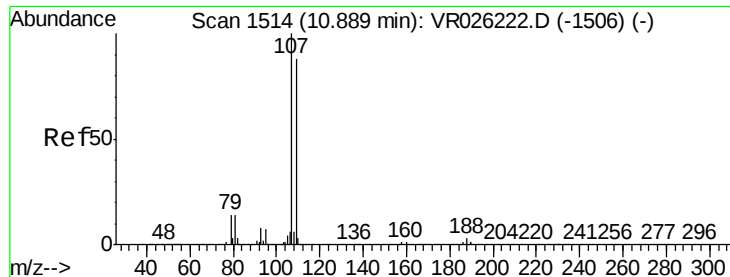
Tgt Ion:	43	Resp:	561550
Ion	Ratio	Lower	Upper
43	100		
58	50.8	40.0	60.0
57	18.0	14.6	21.8
100	9.8	7.4	11.0



#49
Dibromochloromethane
Concen: 4.453 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion:	129	Resp:	141893
Ion	Ratio	Lower	Upper
129	100		
127	82.1	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.659 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

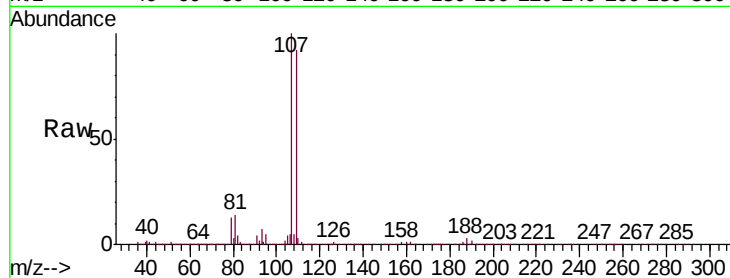
Instrument :

MSVOA_R

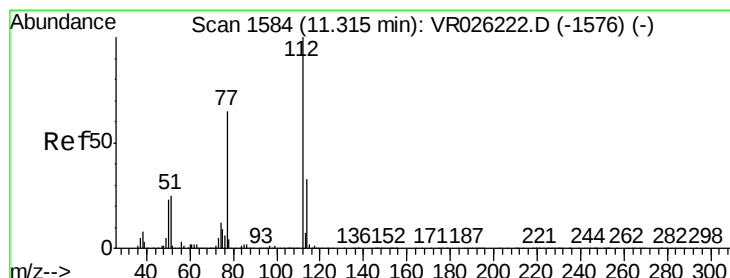
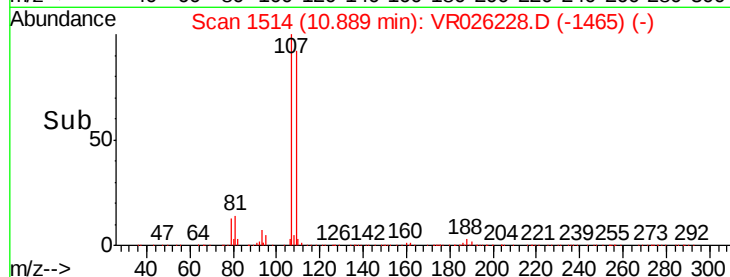
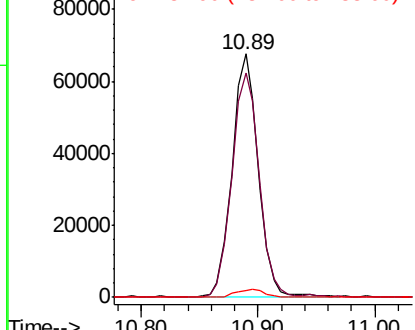
ClientSampleId :

VSTD00587

Tgt Ion:	107	Resp:	106264
Ion Ratio	Lower	Upper	
107	100		
109	92.0	68.7	127.5
188	2.9	2.1	3.1



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: 4.398 ug/L

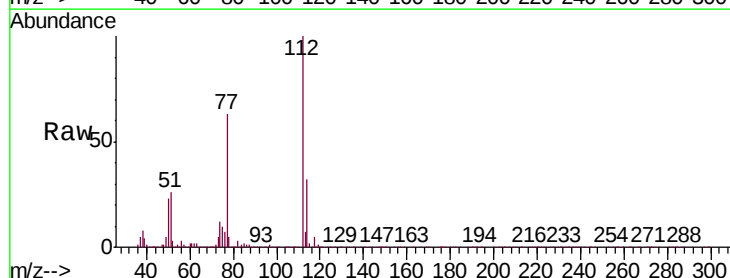
RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

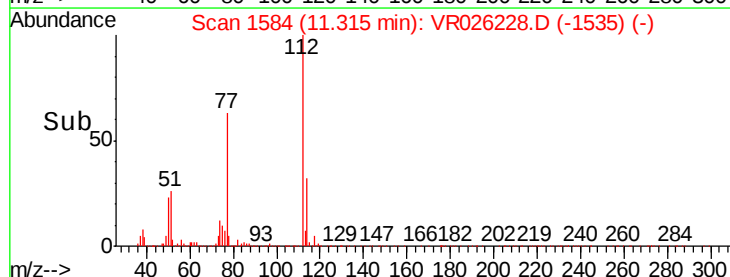
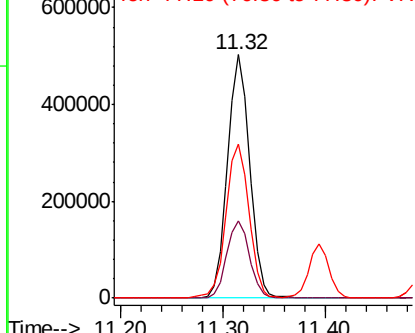
Lab File: VR026228.D

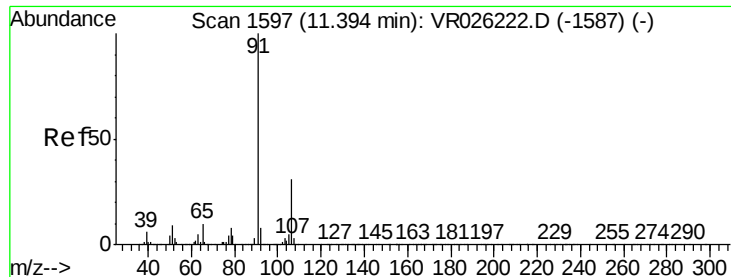
Acq: 19 Nov 2018 21:08

Tgt Ion:	112	Resp:	756371
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.7	42.3
77	63.4	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: 4.602 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

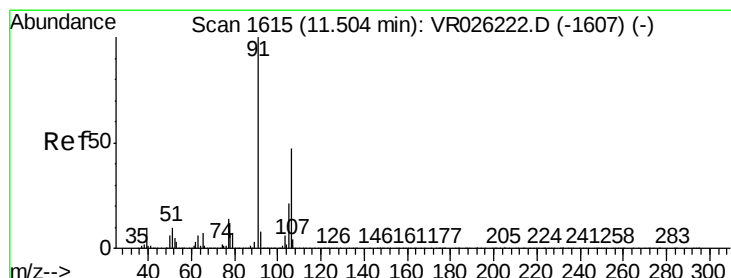
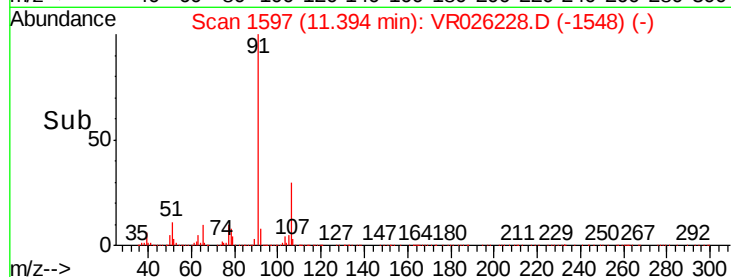
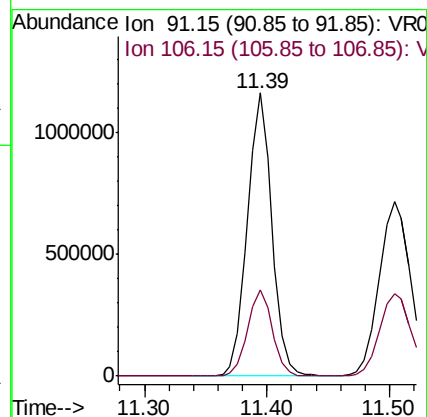
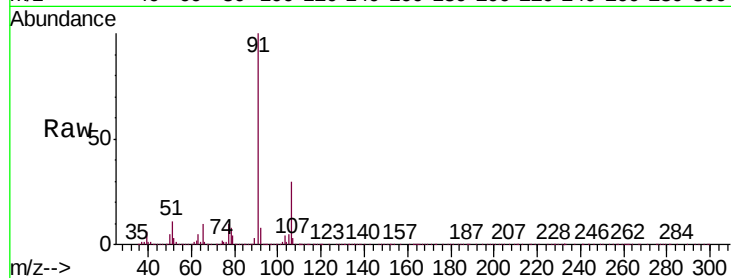
VSTD00587

Tgt Ion: 91 Resp: 1615861

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#53

m,p-Xylene

Concen: 4.692 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026228.D

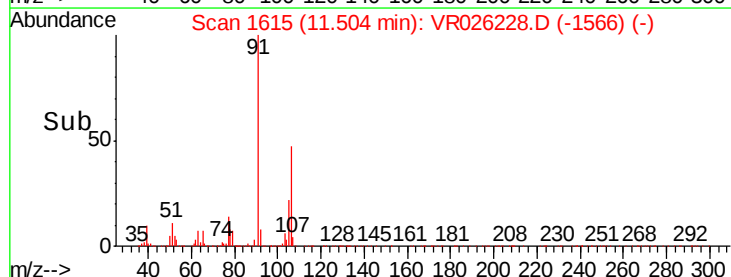
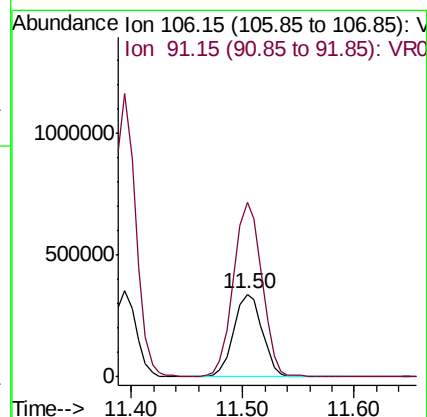
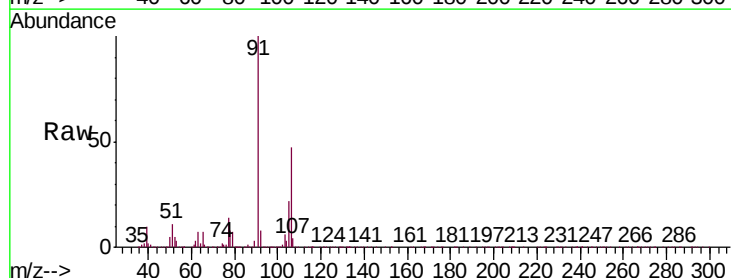
Acq: 19 Nov 2018 21:08

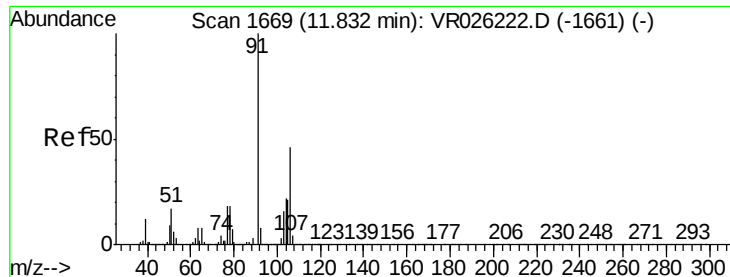
Tgt Ion: 106 Resp: 597975

Ion Ratio Lower Upper

106 100

91 211.2 153.9 285.9

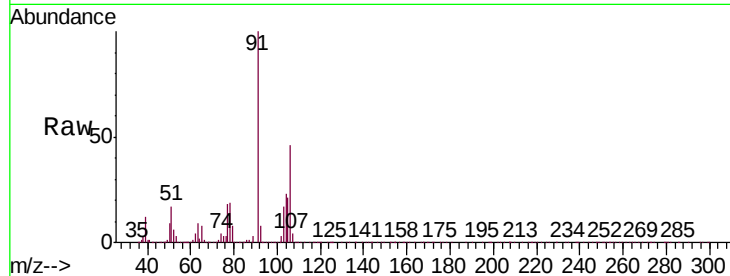




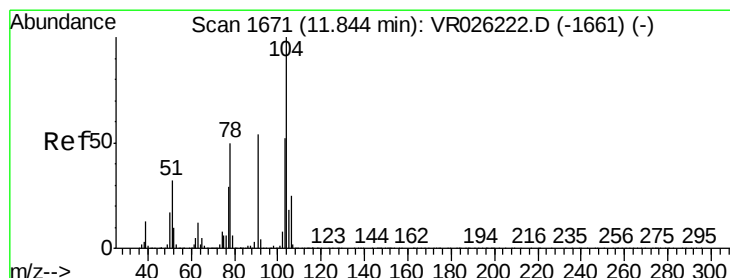
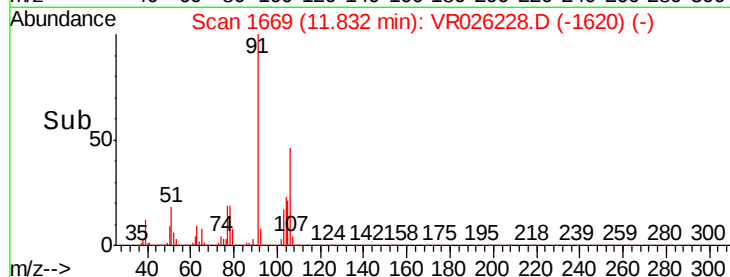
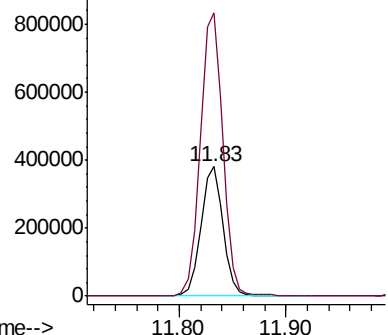
#54
o-Xylene
Concen: 4.744 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

Tgt Ion:106 Resp: 551800
Ion Ratio Lower Upper
106 100
91 218.9 159.5 296.1

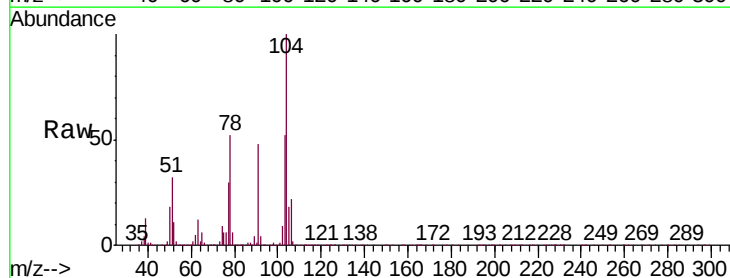


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VR0

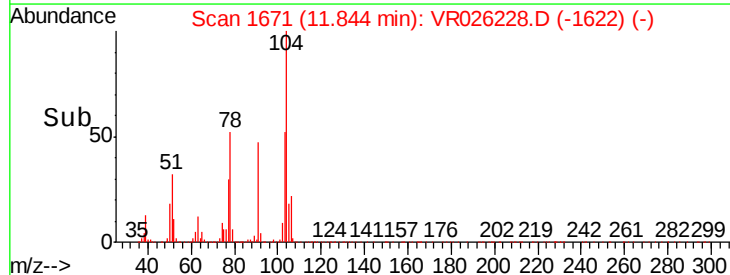
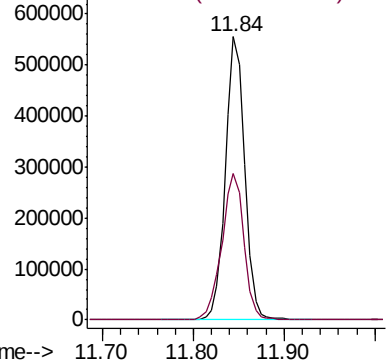


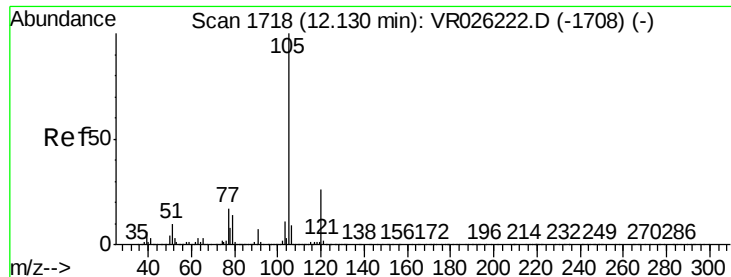
#55
Styrene
Concen: 4.536 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026228.D
Acq: 19 Nov 2018 21:08

Tgt Ion:104 Resp: 820111
Ion Ratio Lower Upper
104 100
78 51.8 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 4.923 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

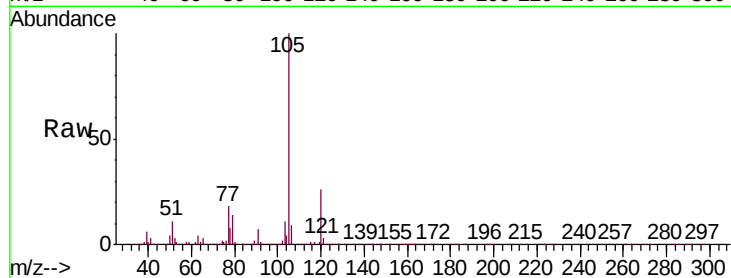
Tgt Ion:105 Resp: 1546264

Ion Ratio Lower Upper

105 100

120 26.5 20.4 30.6

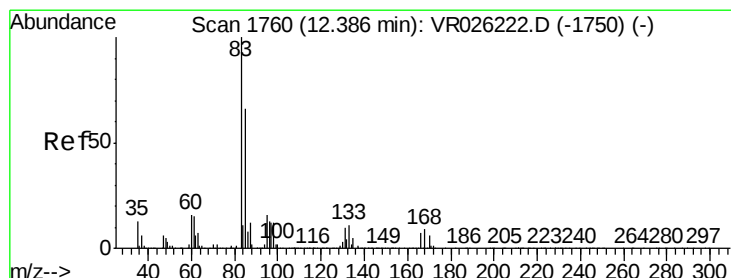
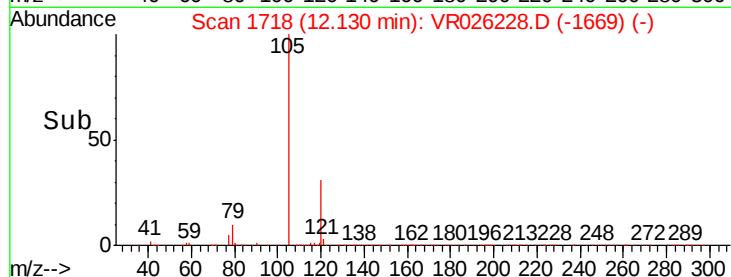
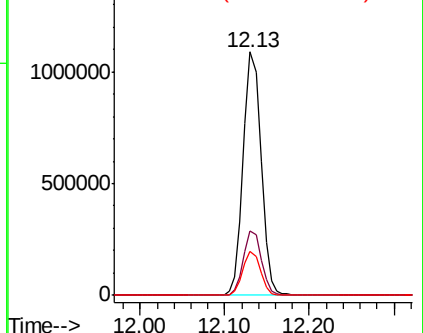
77 17.7 14.3 21.5



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: 4.296 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

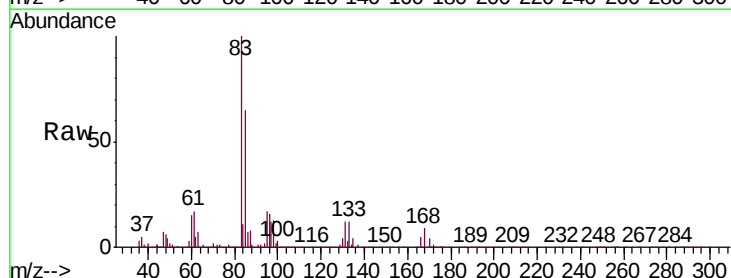
Tgt Ion: 83 Resp: 111642

Ion Ratio Lower Upper

83 100

85 64.7 49.1 91.1

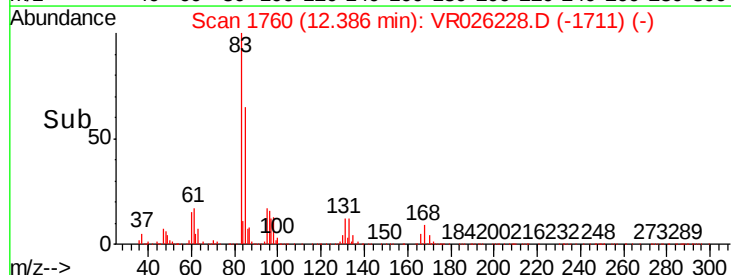
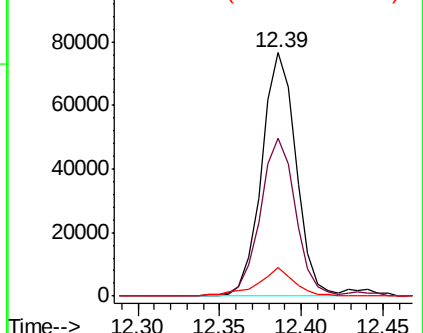
131 11.9 8.3 12.5

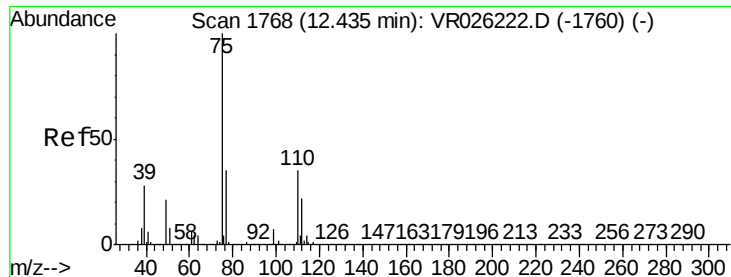


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.407 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :

MSVOA_R

ClientSampleId :

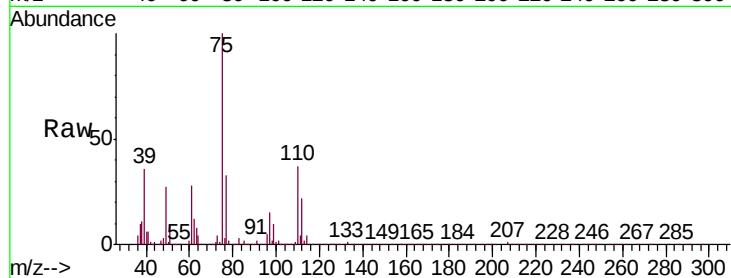
VSTD00587

Tgt Ion: 75 Resp: 86235

Ion Ratio Lower Upper

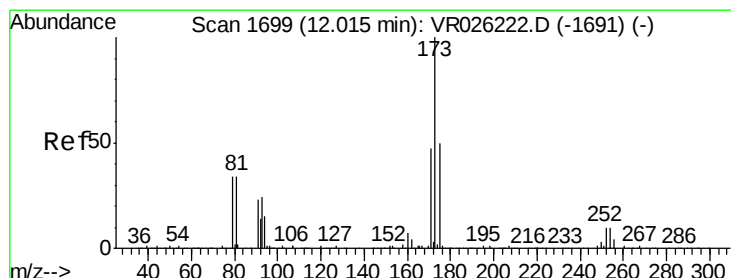
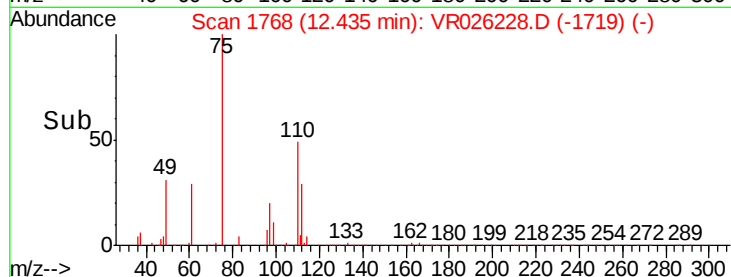
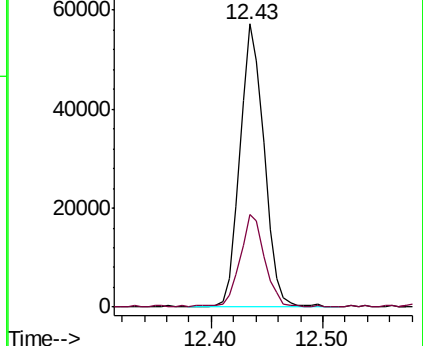
75 100

77 33.3 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 3.891 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

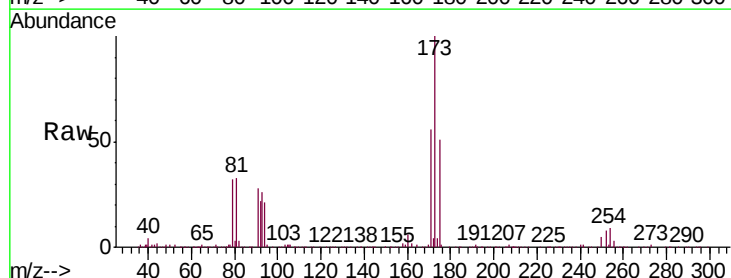
Tgt Ion: 173 Resp: 52673

Ion Ratio Lower Upper

173 100

175 50.1 38.2 57.4

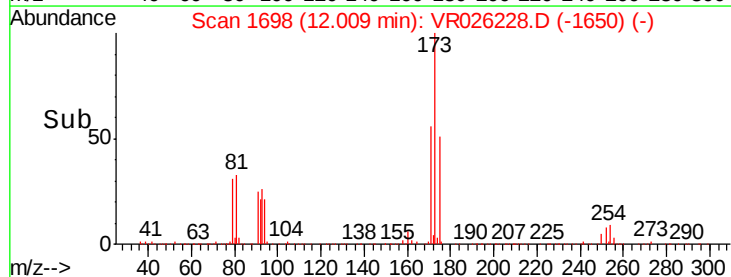
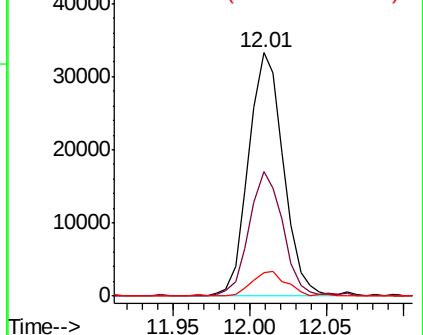
254 10.1 8.0 12.0

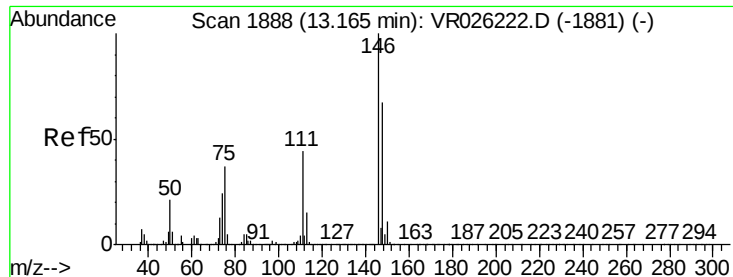


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

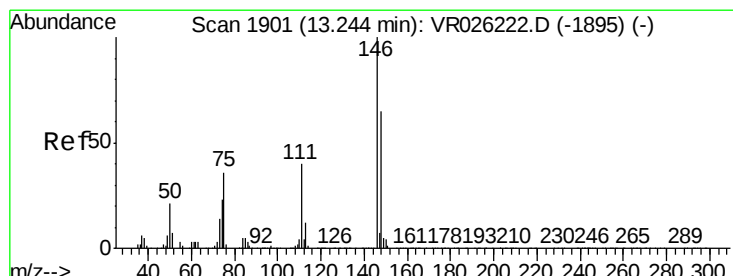
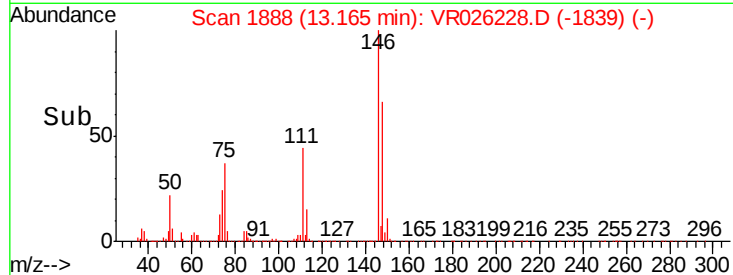
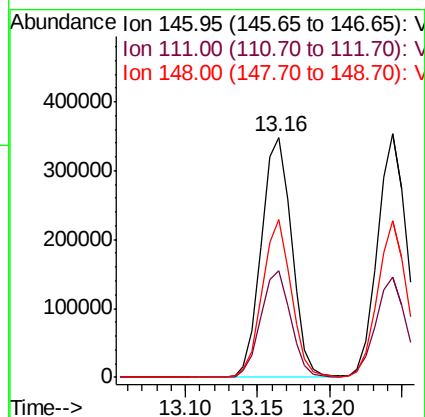
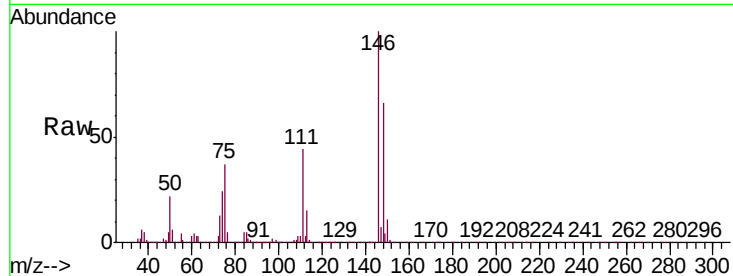




#62
 1,3-Dichlorobenzene
 Concen: 4.892 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

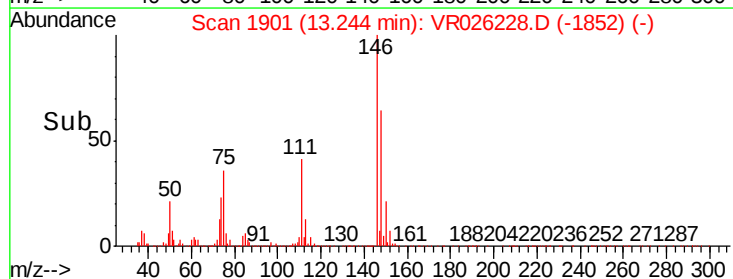
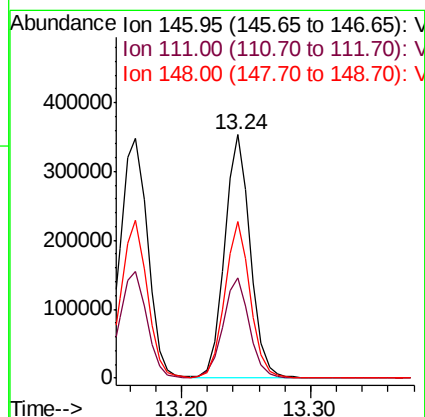
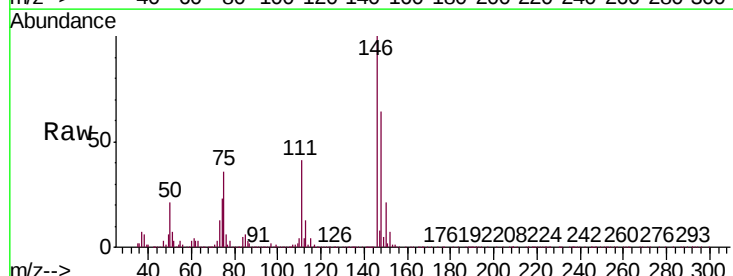
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

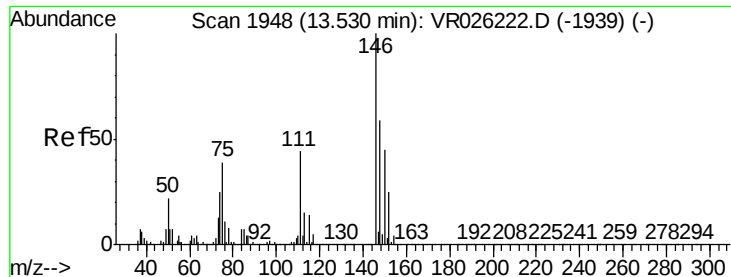
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	30.5	56.7
148	65.6	43.5	80.7



#63
 1,4-Dichlorobenzene
 Concen: 4.338 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	29.3	54.3
148	64.1	43.0	80.0

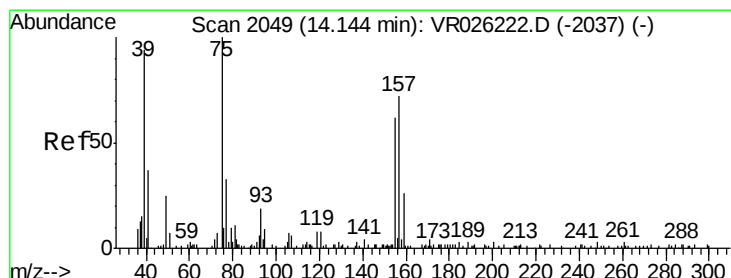
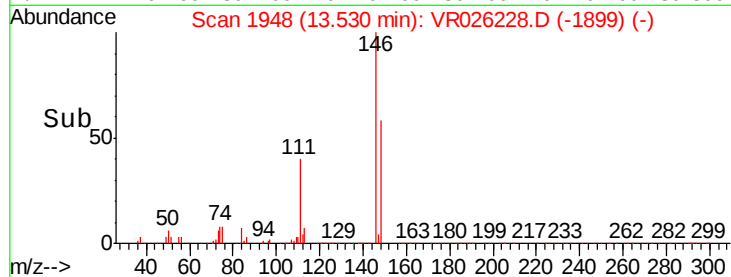
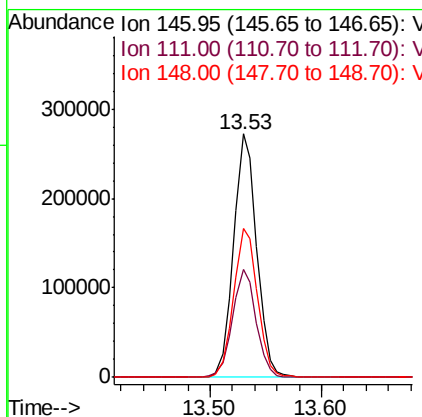
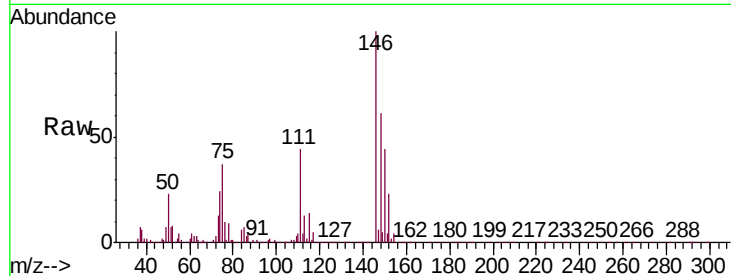




#65
 1,2-Dichlorobenzene
 Concen: 4.473 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

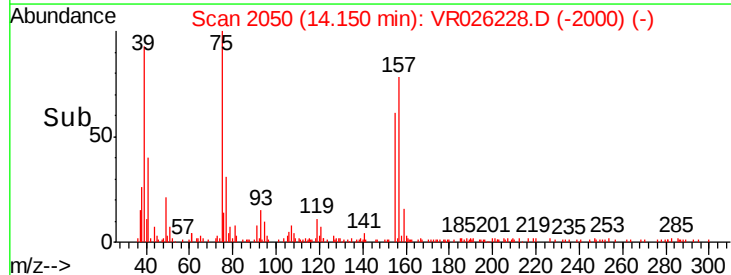
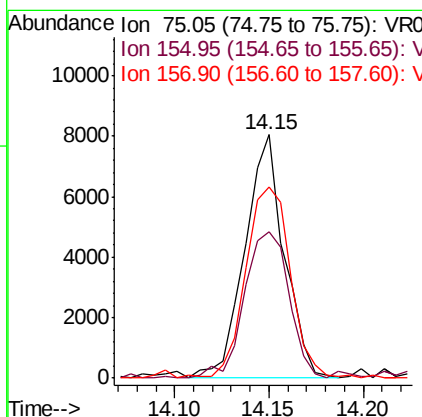
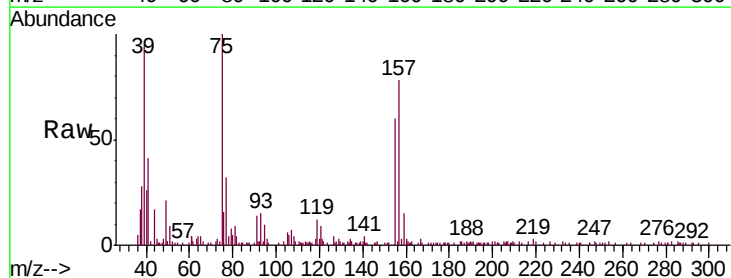
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

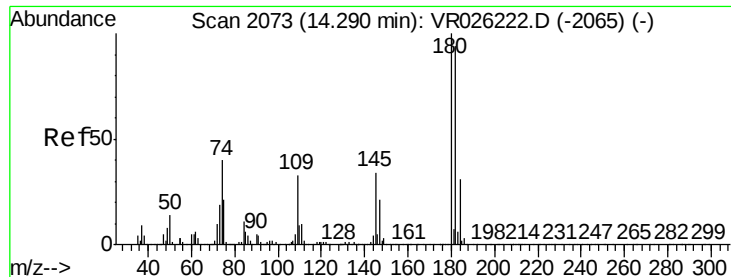
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	35.0	52.6
148	61.4	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.612 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026228.D
 Acq: 19 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.0	37.8	56.6#
157	78.3	34.6	51.8#





#67

1,3,5-Trichlorobenzene

Concen: 5.134 ug/L

RT: 14.29 min Scan# 2073

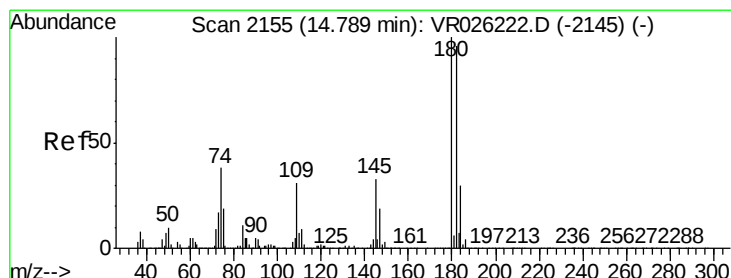
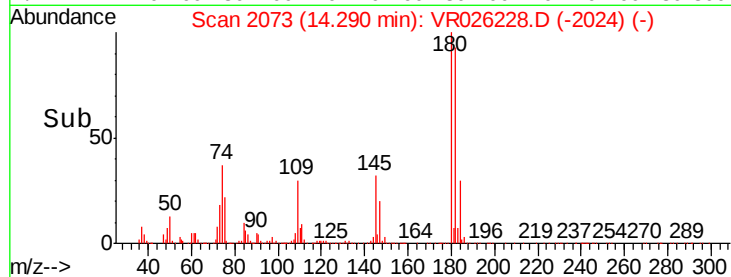
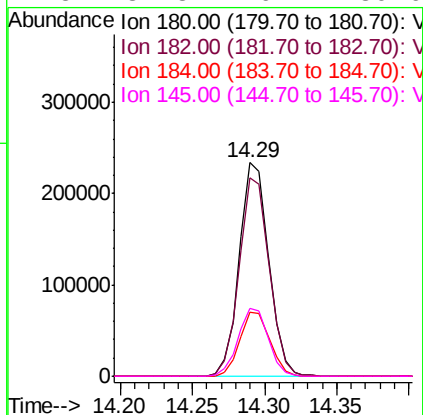
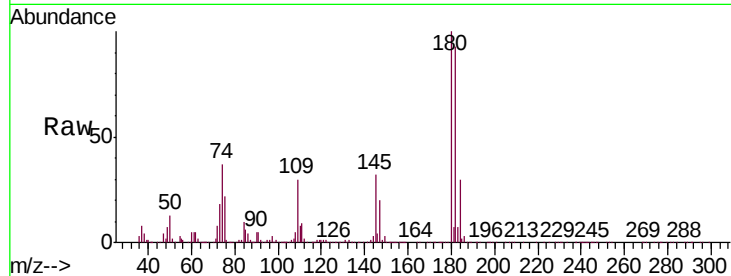
Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Instrument :
MSVOA_R
ClientSampled :
VSTD00587

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.0	115.6
184	30.8	23.2	34.8
145	32.8	26.4	39.6



#68

1,2,4-trichlorobenzene

Concen: 5.571 ug/L

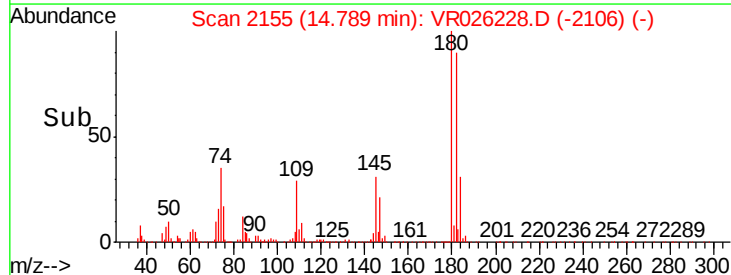
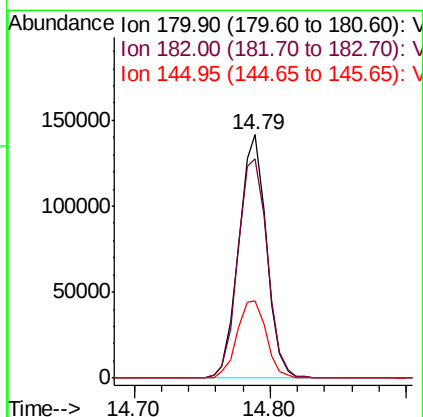
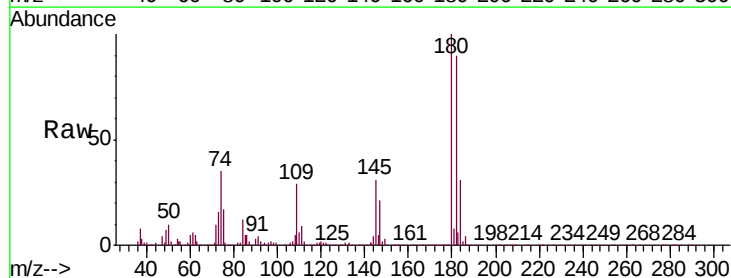
RT: 14.79 min Scan# 2155

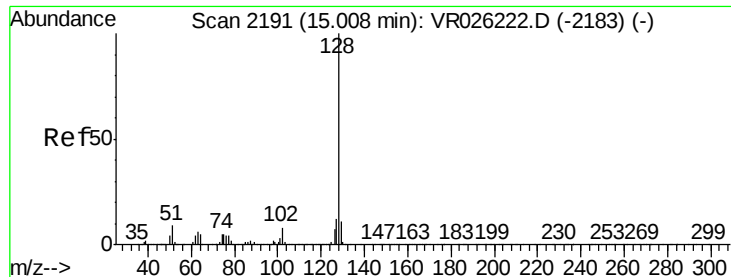
Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.6
145	33.5	27.3	40.9





#69

Naphthalene

Concen: 5.832 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

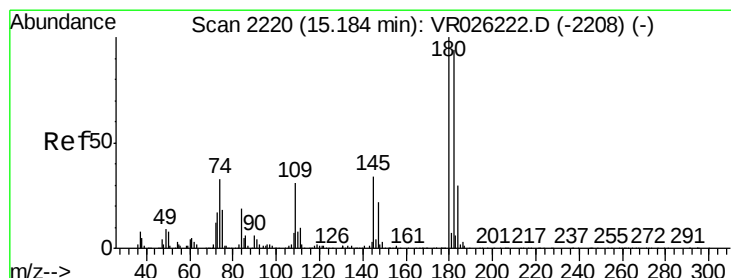
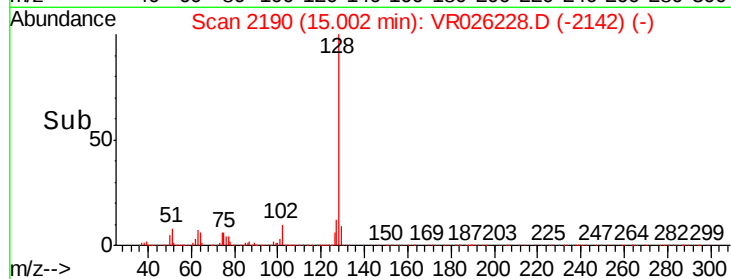
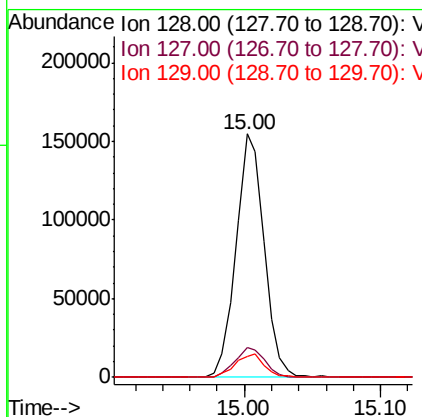
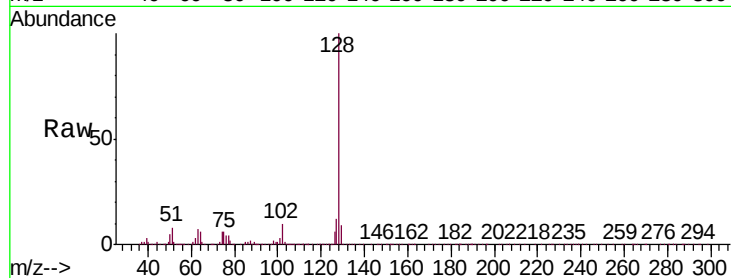
Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion:	128	Resp:	221715
Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.8	14.8
129	10.2	8.4	12.6



#70

1,2,3-Trichlorobenzene

Concen: 5.558 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026228.D

Acq: 19 Nov 2018 21:08

Tgt Ion:	180	Resp:	140181
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.0
145	37.8	29.3	43.9

