

Data File : VR026398.D
Acq On : 27 Feb 2019 11:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

Quant Time: Feb 28 07:29:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 27 07:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	611431	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	495753	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	193547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	252881	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	2.62	69	202617	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	3.60	63	664486	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	6.58	46	175541	40.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.42%
24) Chloroform-d	7.20	84	415812	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	7.89	65	159143	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	7.85	84	829276	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	8.89	67	192462	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	9.97	98	771133	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.23	79	49720	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	10.59	63	142694	45.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	68666	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	136414	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	283162	5.488	ug/L 95
3) Chloromethane	2.01	50	324791	4.987	ug/L 97
5) Vinyl chloride	2.16	62	317645	5.030	ug/L 96
6) Bromomethane	2.52	94	181175	4.981	ug/L 97
8) Chloroethane	2.65	64	186418	4.907	ug/L 95
9) Trichlorofluoromethane	2.93	101	219398	2.670	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	265812	5.552	ug/L 97
12) 1,1-Dichloroethene	3.62	96	275829	5.163	ug/L 89
13) Acetone	3.70	43	197963	50.406	ug/L 97
14) Carbon disulfide	3.92	76	863460	5.074	ug/L 98
15) Methyl Acetate	4.18	43	52232	4.699	ug/L 98
16) Methylene chloride	4.40	84	214875	4.603	ug/L 94
17) Methyl tert-butyl Ether	4.88	73	235252	4.707	ug/L 99
18) trans-1,2-Dichloroethene	4.87	96	239679	4.919	ug/L 92
19) 1,1-Dichloroethane	5.69	63	448096	5.020	ug/L 94
21) 2-Butanone	6.68	43	250544	50.900	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	215238	5.261	ug/L 94

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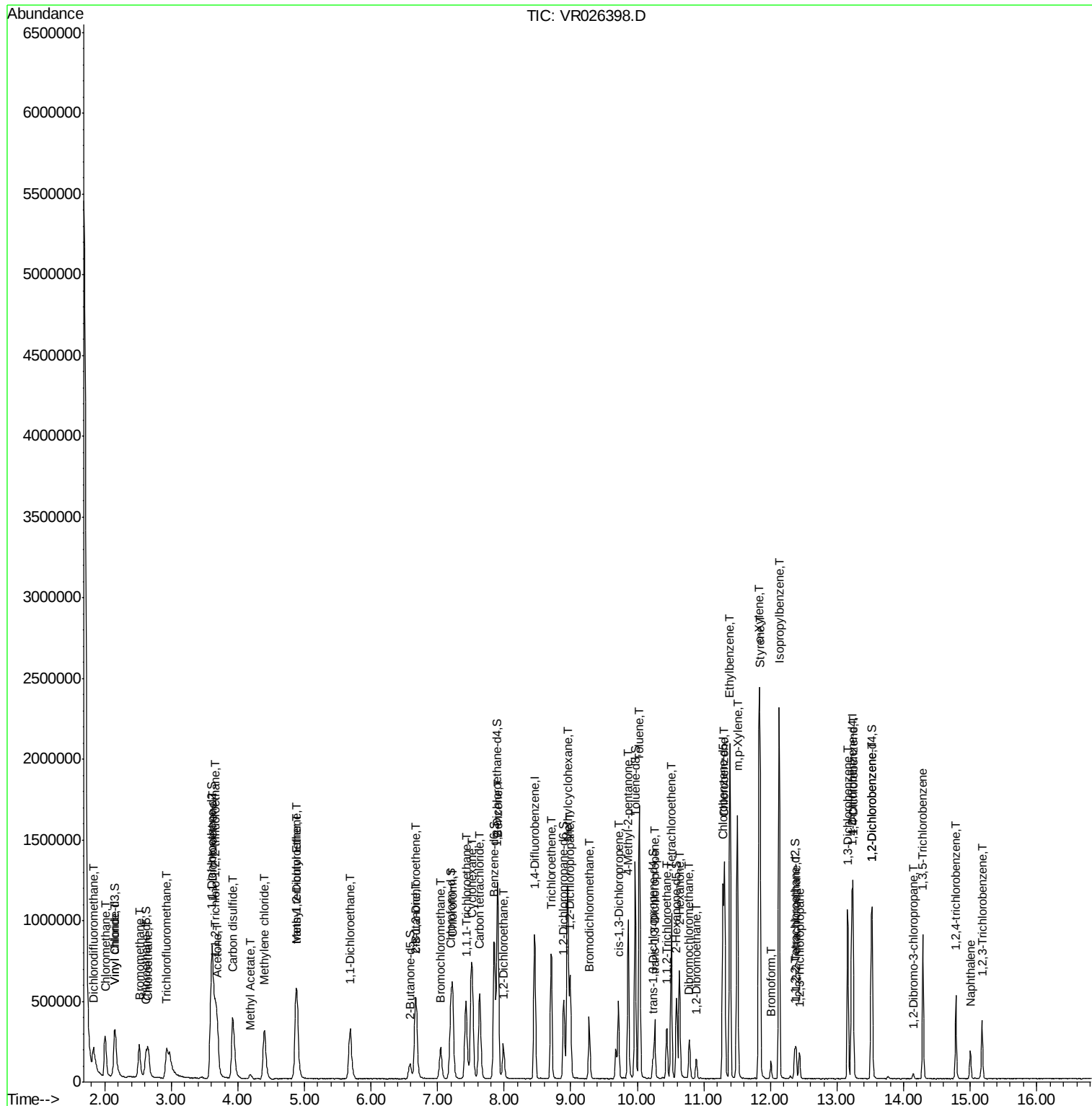
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	58662	4.629	ug/L	96
25) Chloroform	7.23	83	423251	4.945	ug/L	87
27) 1,2-Dichloroethane	7.99	62	196109	4.842	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	399753	5.564	ug/L	99
30) Cyclohexane	7.51	56	428773	6.241	ug/L	98
31) Carbon tetrachloride	7.63	117	381649	5.715	ug/L	99
33) Benzene	7.90	78	970413	5.093	ug/L	100
34) Trichloroethene	8.71	95	258105	5.385	ug/L	98
35) Methylcyclohexane	8.95	83	408969	6.017	ug/L	98
37) 1,2-Dichloropropane	8.99	63	203926	5.040	ug/L	98
38) Bromodichloromethane	9.28	83	230084	4.960	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	231121	5.231	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	620680	56.108	ug/L	99
42) Toluene	10.03	91	1022633	5.344	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	166949	5.182	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	76701	4.589	ug/L	88
47) Tetrachloroethene	10.51	164	185591	5.341	ug/L	98
48) 2-Hexanone	10.63	43	413353	54.077	ug/L	99
49) Dibromochloromethane	10.78	129	102261	4.921	ug/L	95
50) 1,2-Dibromoethane	10.89	107	66652	5.116	ug/L	98
51) Chlorobenzene	11.32	112	541014	5.171	ug/L	97
52) Ethylbenzene	11.39	91	1232403	5.730	ug/L	97
53) m,p-Xylene	11.50	106	427108	5.571	ug/L	99
54) o-Xylene	11.83	106	396153	5.920	ug/L	98
55) Styrene	11.84	104	603392	5.705	ug/L	100
56) Isopropylbenzene	12.13	105	1176017	6.188	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	75405	4.952	ug/L #	89
59) 1,2,3-Trichloropropane	12.43	75	56353	5.055	ug/L	96
61) Bromoform	12.01	173	38847	4.328	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	323930	5.510	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	336948	5.162	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	250823	5.157	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8438	4.661	ug/L #	70
67) 1,3,5-Trichlorobenzene	14.29	180	204061	5.602	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	113355	5.421	ug/L	97
69) Naphthalene	15.00	128	107369	5.562	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	89638	6.086	ug/L	95

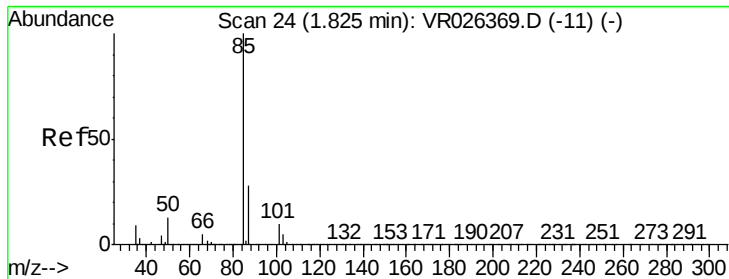
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.488 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

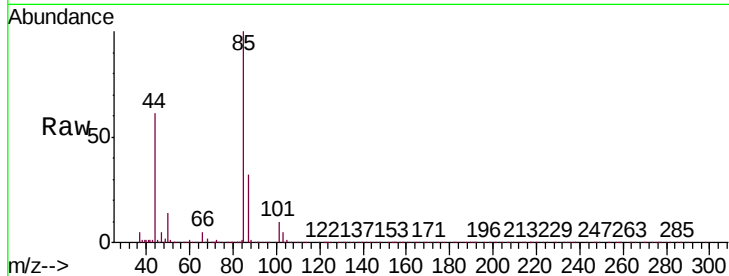
VSTD00591

Tgt Ion: 85 Resp: 283162

Ion Ratio Lower Upper

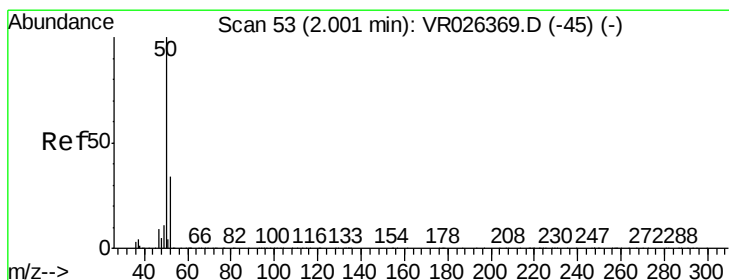
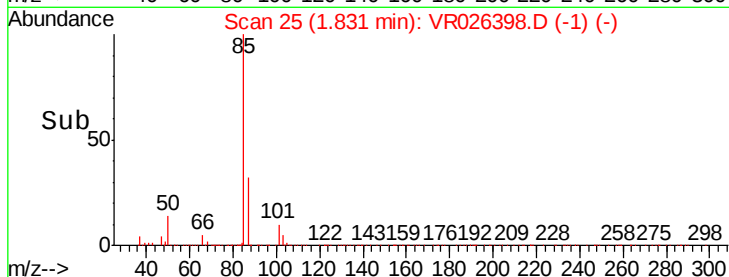
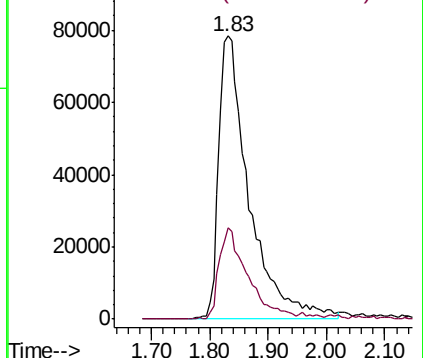
85 100

87 30.3 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.987 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.01 min

Lab File: VR026398.D

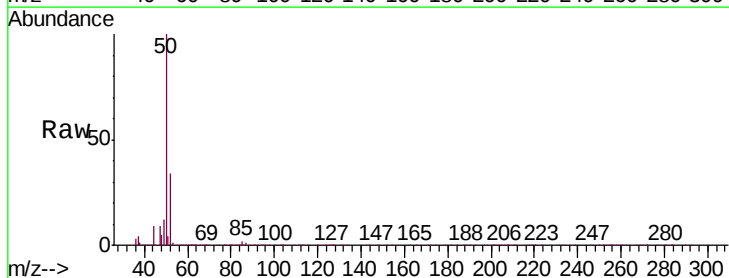
Acq: 27 Feb 2019 11:40

Tgt Ion: 50 Resp: 324791

Ion Ratio Lower Upper

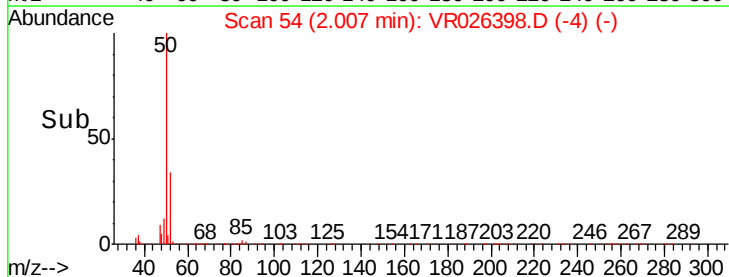
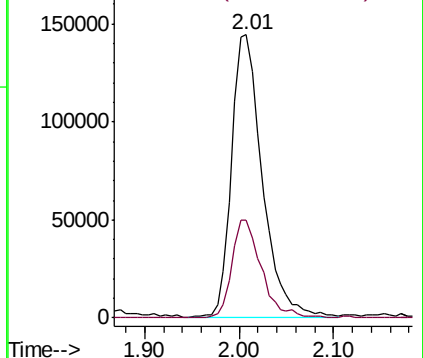
50 100

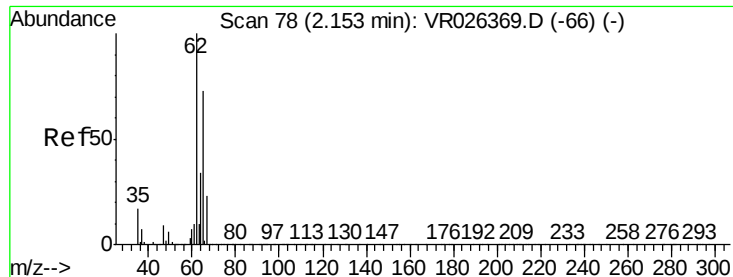
52 34.4 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.030 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.01 min

Lab File: VR026398.D

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Instrument :

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ClientSampleId :

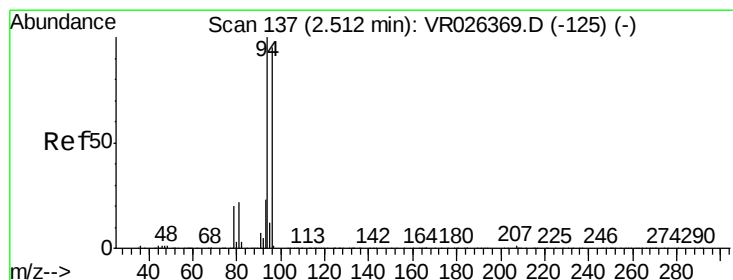
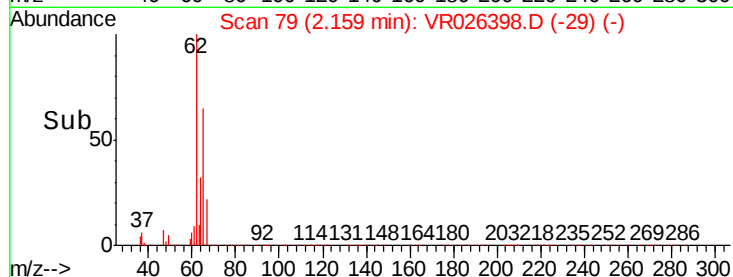
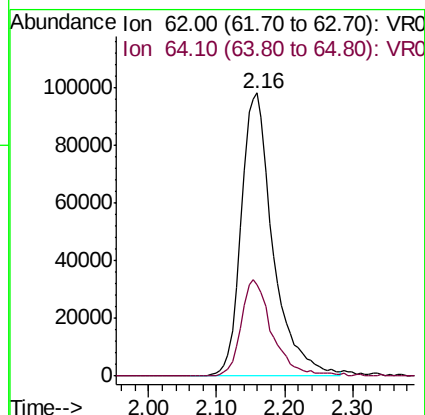
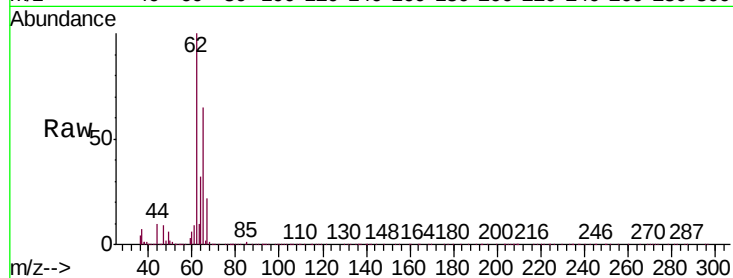
VSTD00591

Tgt Ion: 62 Resp: 317645

Ion Ratio Lower Upper

62 100

64 32.2 24.1 44.7



#6

Bromomethane

Concen: 4.981 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR026398.D

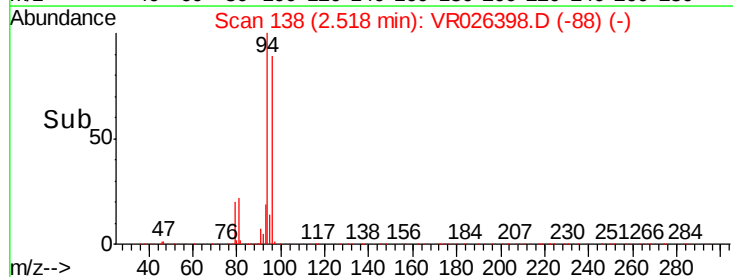
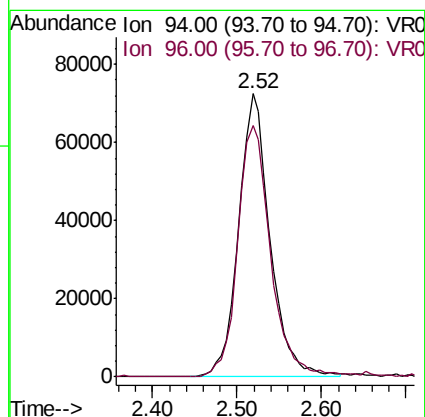
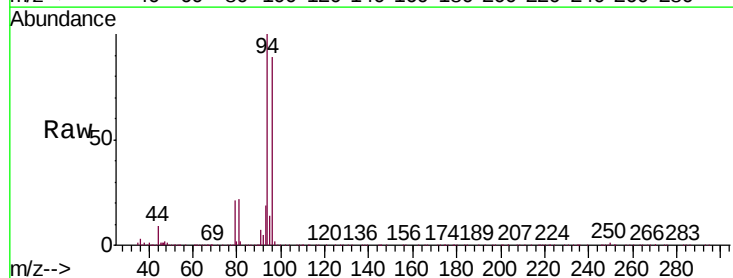
Acq: 27 Feb 2019 11:40

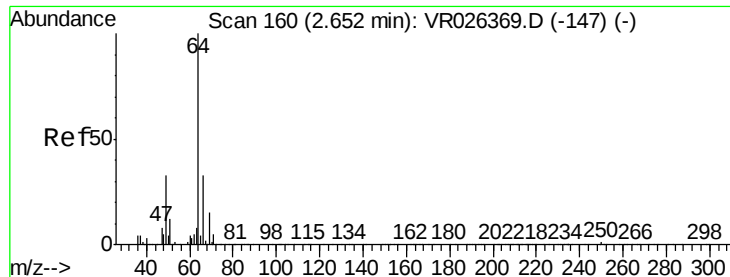
Tgt Ion: 94 Resp: 181175

Ion Ratio Lower Upper

94 100

96 88.9 64.3 119.3

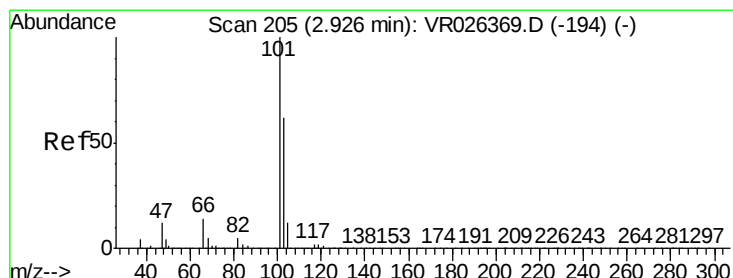
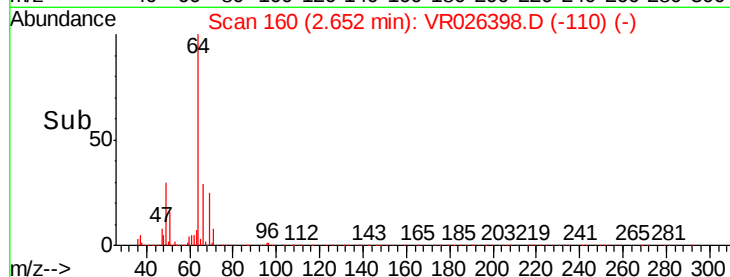
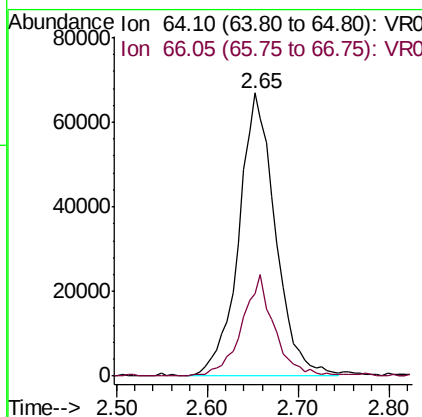
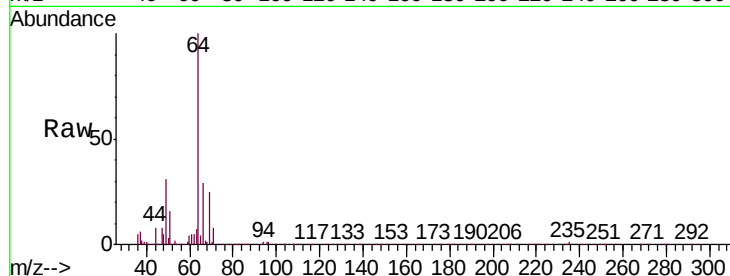




#8
Chloroethane
Concen: 4.907 ug/L
RT: 2.65 min Scan# 160
Delta R.T. 0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

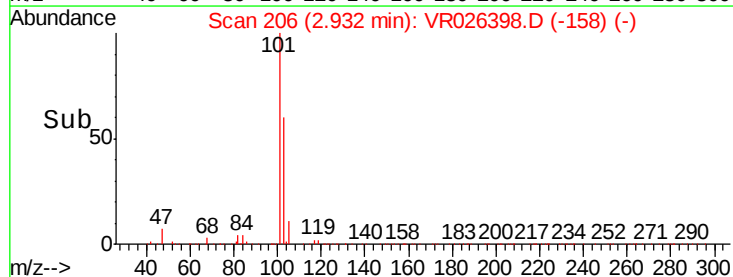
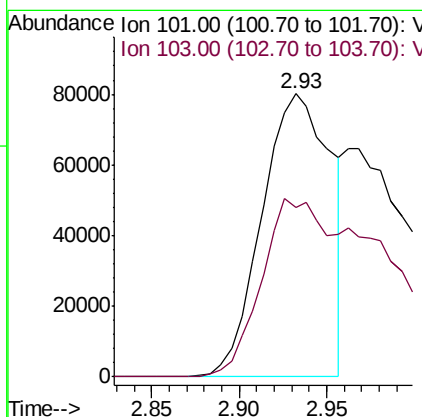
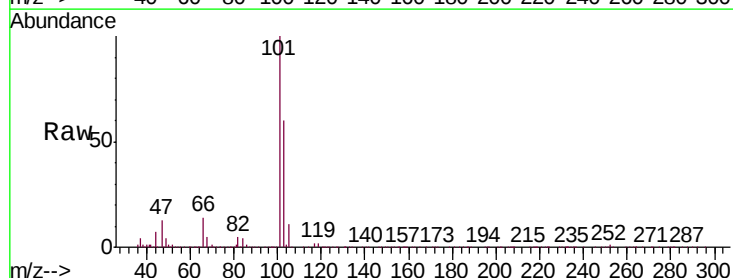
Instrument :
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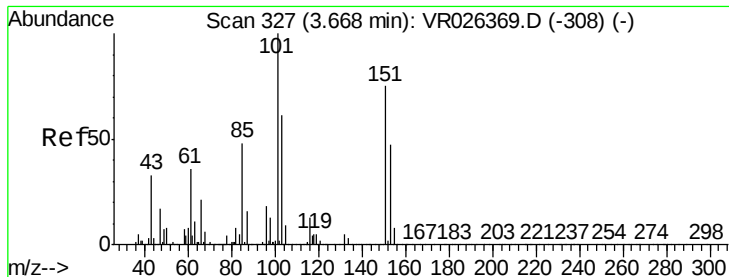
Tgt Ion: 64 Resp: 186418
Ion Ratio Lower Upper
64 100
66 29.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 2.670 ug/L
RT: 2.93 min Scan# 206
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion: 101 Resp: 219398
Ion Ratio Lower Upper
101 100
103 63.4 52.6 78.8





#10

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

Concen: 5.552 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.01 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

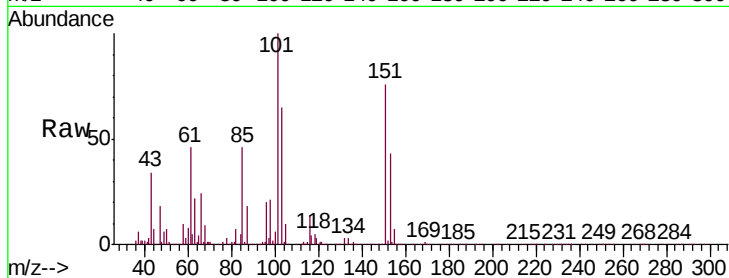
Tgt Ion:101 Resp: 265812

Ion Ratio Lower Upper

101 100

85 47.3 39.8 59.8

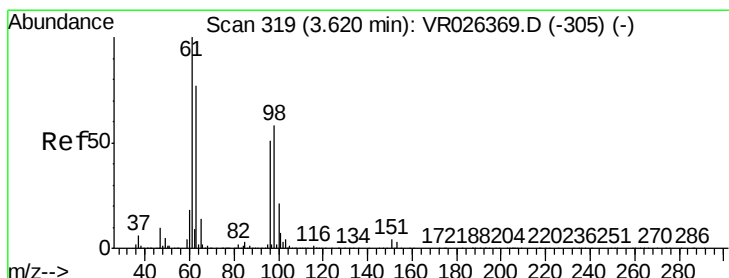
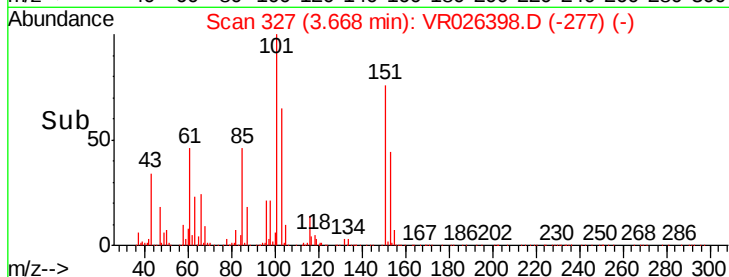
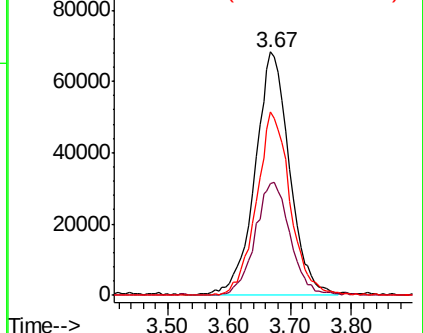
151 73.7 60.8 91.2



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: 5.163 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026398.D

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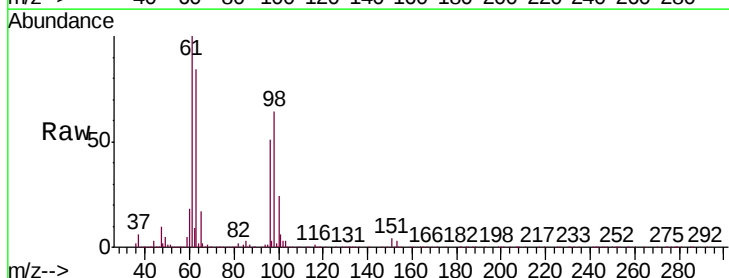
Tgt Ion: 96 Resp: 275829

Ion Ratio Lower Upper

96 100

61 195.8 135.9 252.5

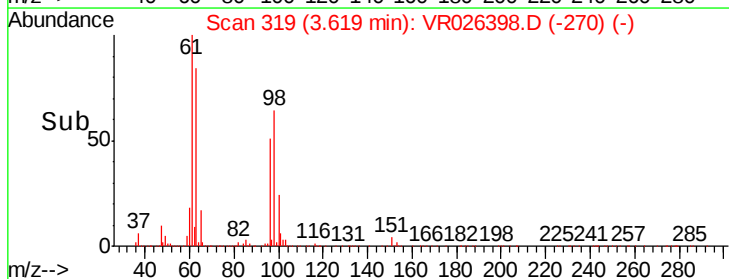
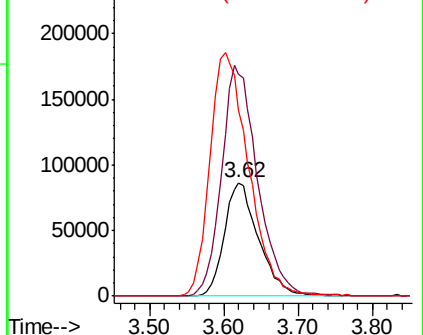
63 164.0 136.6 253.6

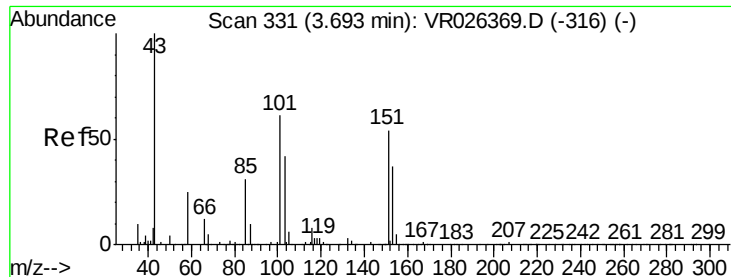


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 50.406 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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ClientSampleId :

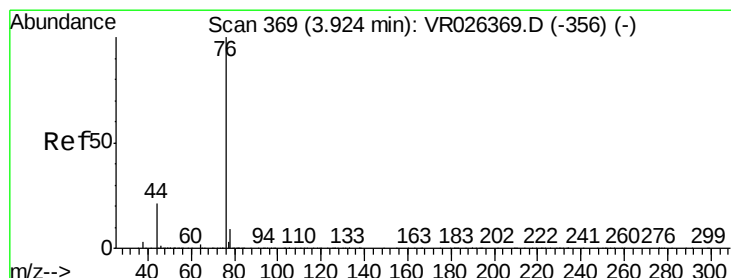
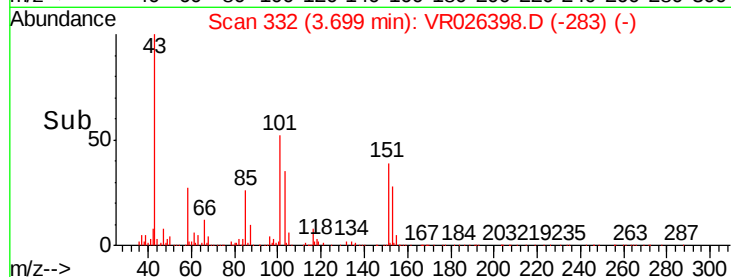
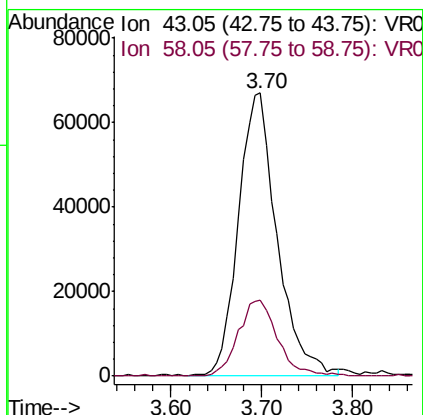
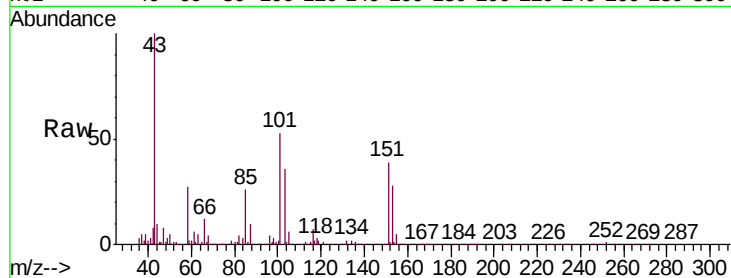
VSTD00591

Tgt Ion: 43 Resp: 197963

Ion Ratio Lower Upper

43 100

58 27.5 0.0 52.2



#14

Carbon disulfide

Concen: 5.074 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026398.D

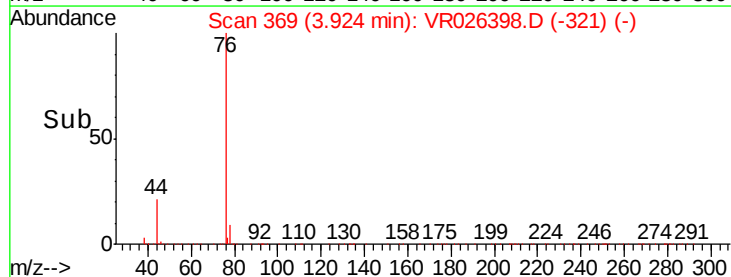
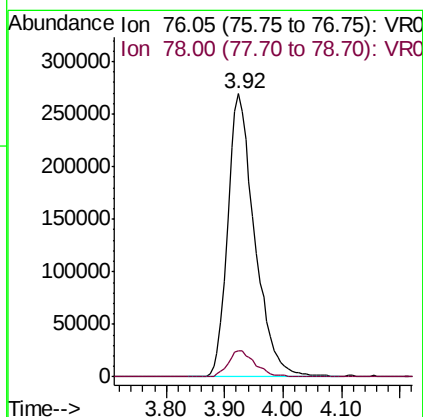
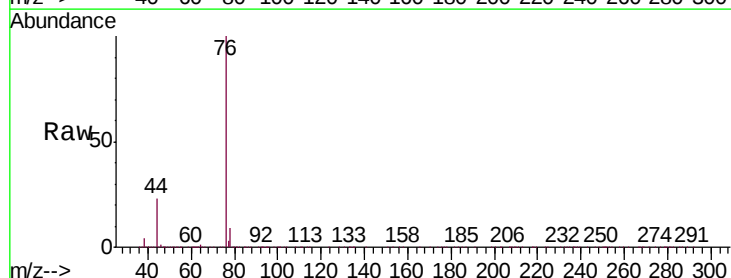
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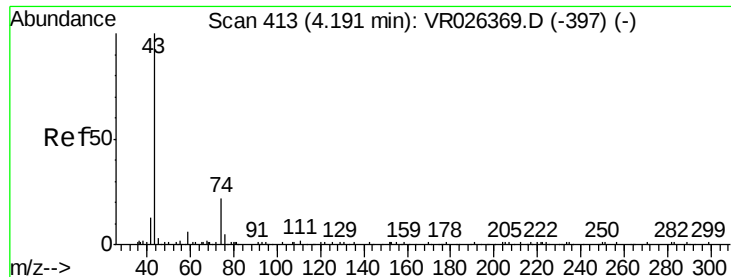
Tgt Ion: 76 Resp: 863460

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1

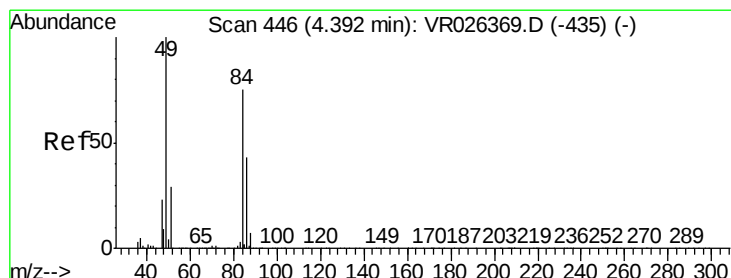
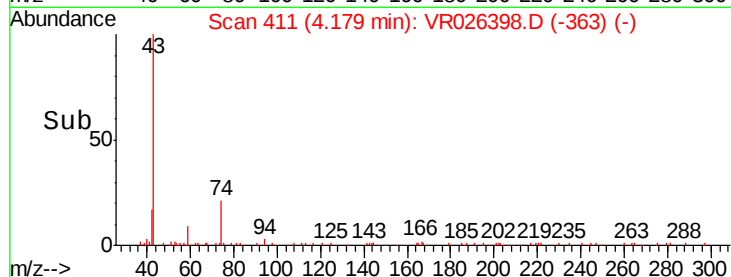
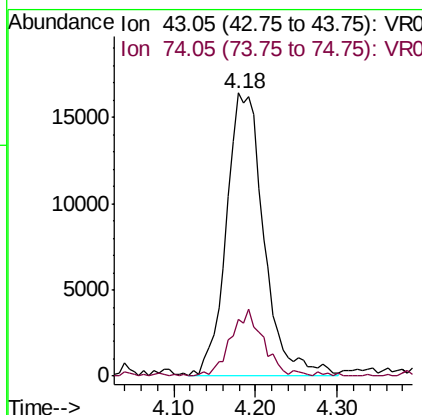
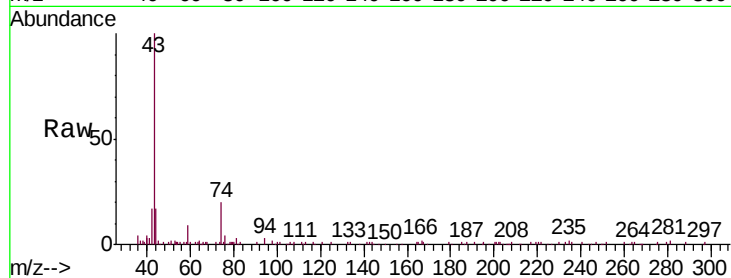




#15
Methyl Acetate
Concen: 4.699 ug/L
RT: 4.18 min Scan# 411
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

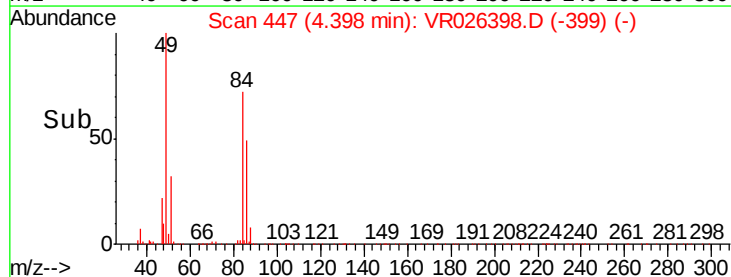
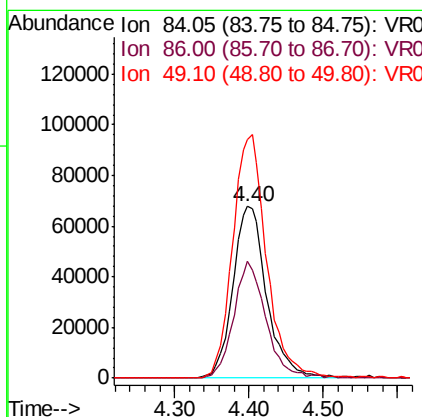
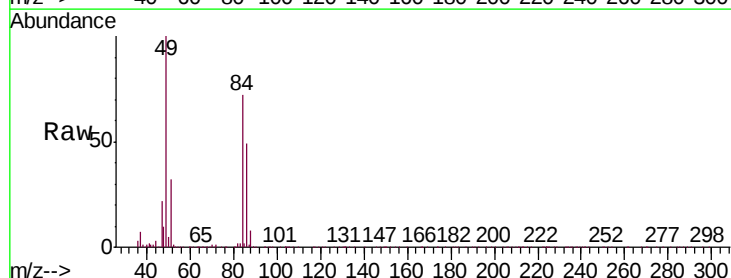
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

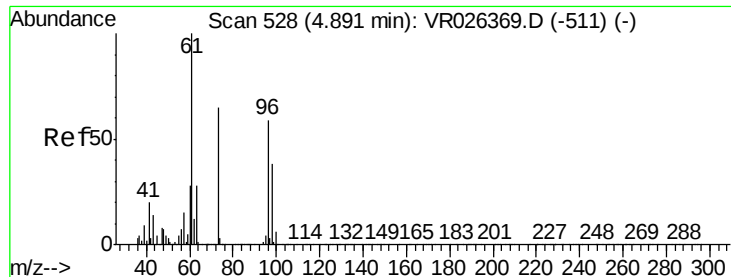
Tgt Ion: 43 Resp: 52232
Ion Ratio Lower Upper
43 100
74 20.0 16.6 25.0



#16
Methylene chloride
Concen: 4.603 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion: 84 Resp: 214875
Ion Ratio Lower Upper
84 100
86 67.9 42.1 78.3
49 138.9 93.8 174.2

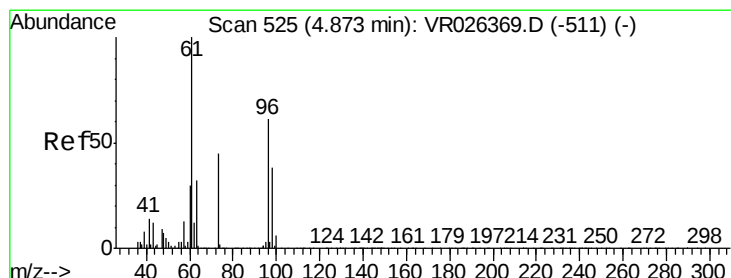
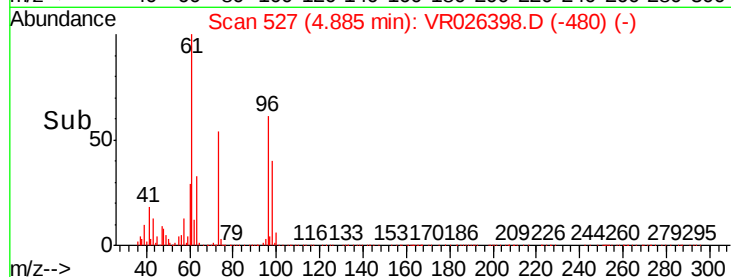
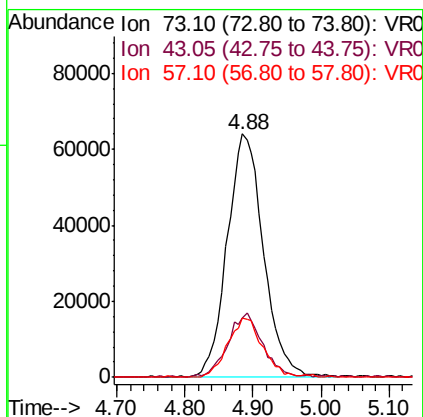
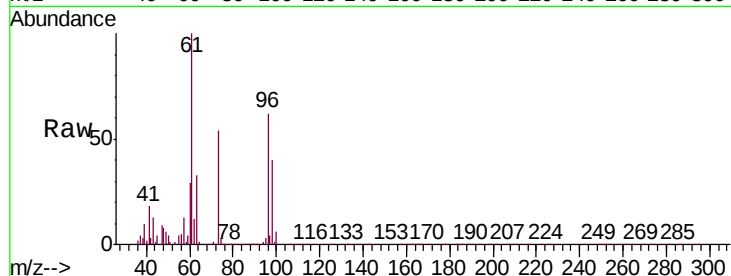




#17
Methyl tert-butyl Ether
Concen: 4.707 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

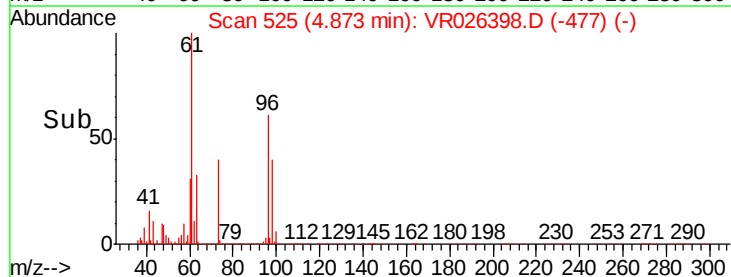
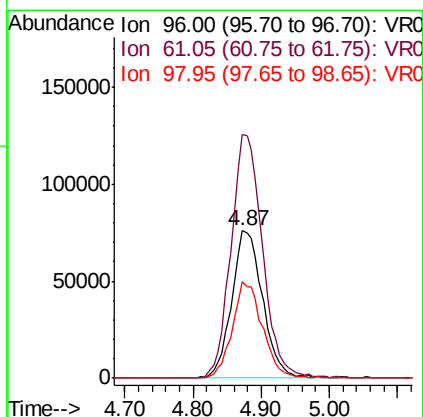
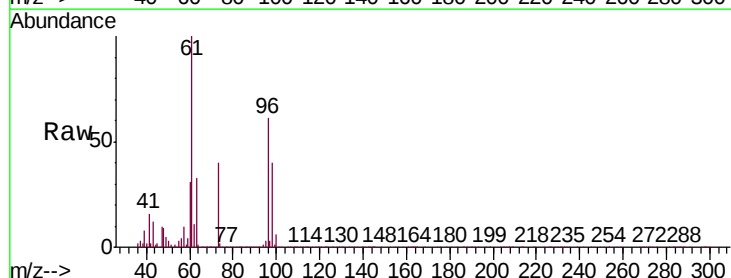
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

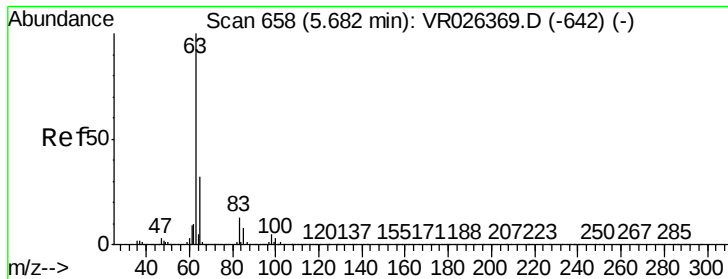
Tgt Ion: 73 Resp: 235252
Ion Ratio Lower Upper
73 100
43 24.9 19.4 29.2
57 23.6 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 4.919 ug/L
RT: 4.87 min Scan# 525
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion: 96 Resp: 239679
Ion Ratio Lower Upper
96 100
61 165.1 109.4 203.2
98 65.5 39.7 73.7

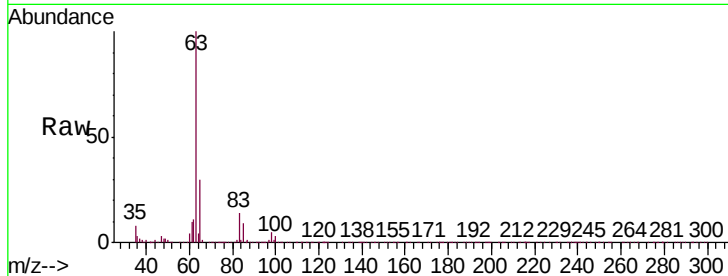




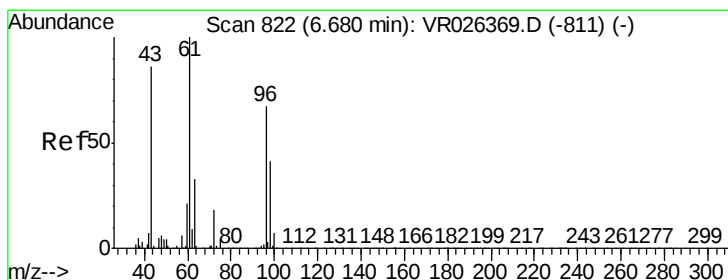
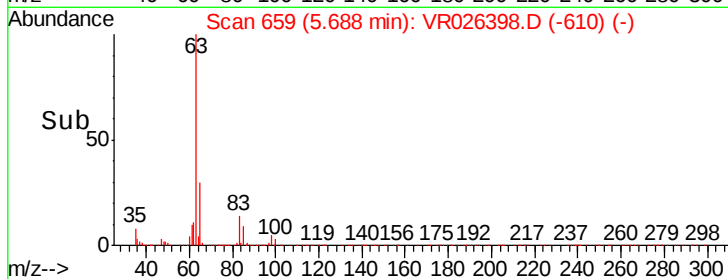
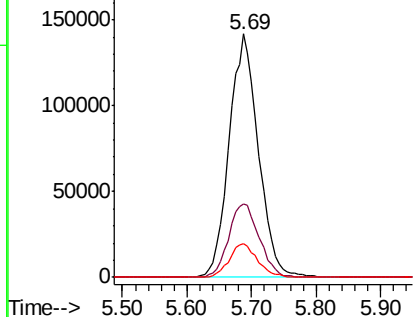
#19
 1,1-Dichloroethane
 Concen: 5.020 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Tgt Ion:	63	Resp:	448096
Ion	Ratio	Lower	Upper
63	100		
65	29.9	23.6	43.8
83	13.6	8.8	16.4

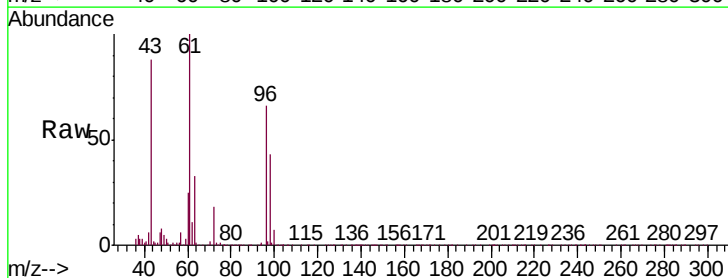


Abundance Ion 63.10 (62.80 to 63.80): VR0
 Ion 65.10 (64.80 to 65.80): VR0
 Ion 83.05 (82.75 to 83.75): VR0

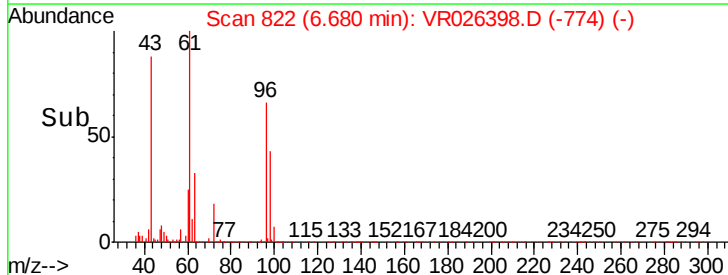
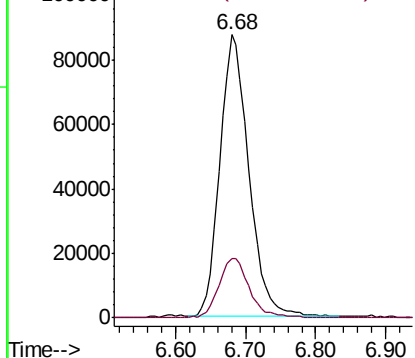


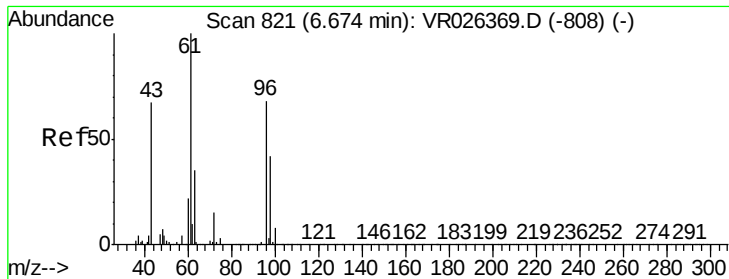
#21
 2-Butanone
 Concen: 50.900 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion:	43	Resp:	250544
Ion	Ratio	Lower	Upper
43	100		
72	22.3	10.8	32.4



Abundance Ion 43.05 (42.75 to 43.75): VR0
 Ion 72.10 (71.80 to 72.80): VR0



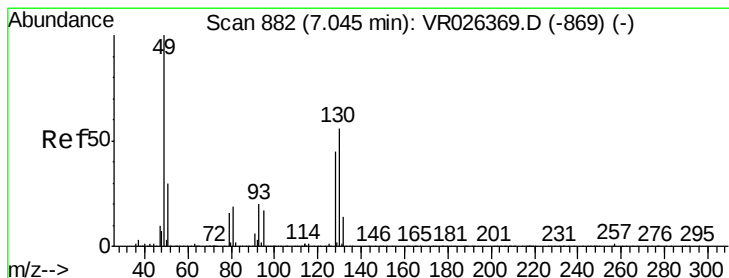
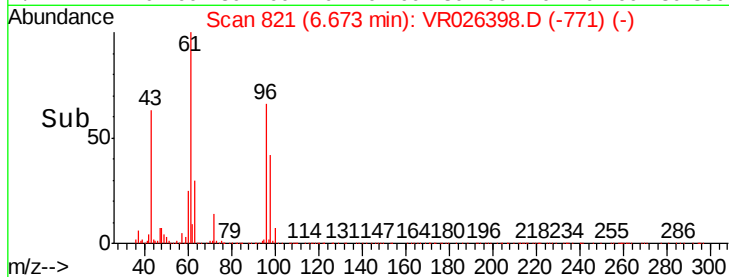
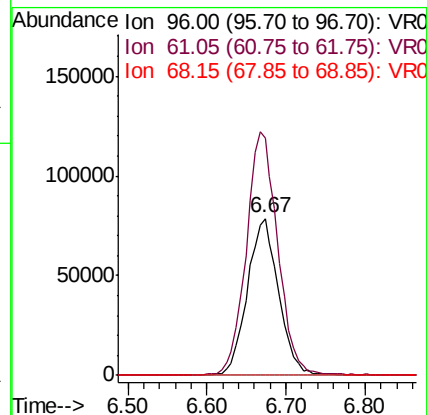
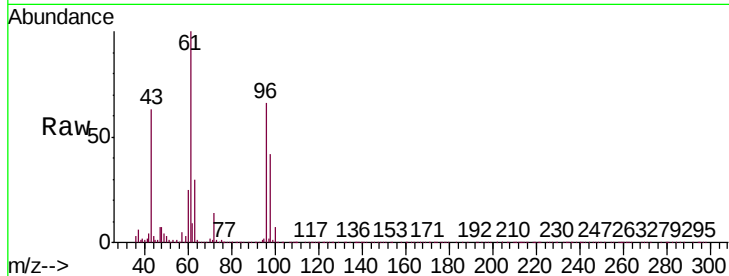


#22

cis-1,2-Dichloroethene
Concen: 5.261 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

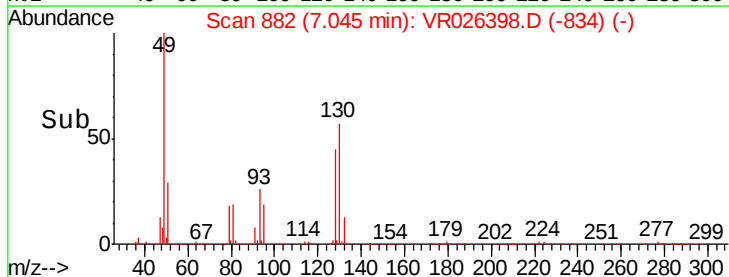
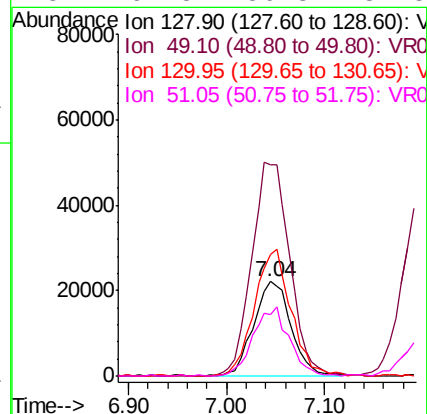
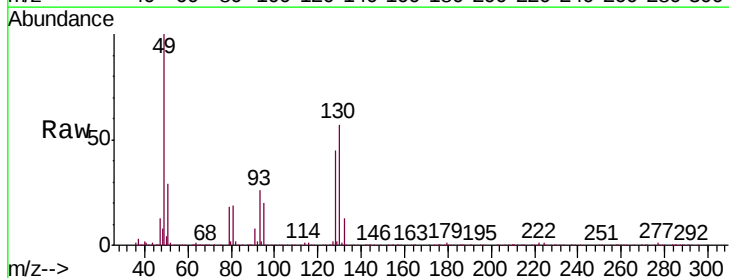
Tgt Ion: 96 Resp: 215238
Ion Ratio Lower Upper
96 100
61 151.4 100.8 187.2
68 0.1 0.1 0.1

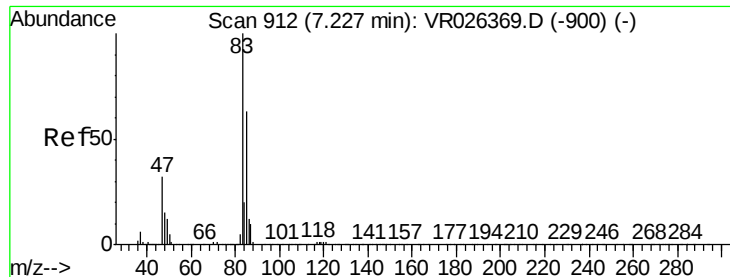


#23

Bromochloromethane
Concen: 4.629 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion: 128 Resp: 58662
Ion Ratio Lower Upper
128 100
49 223.6 161.6 300.0
130 128.5 92.3 171.5
51 64.8 56.3 84.5

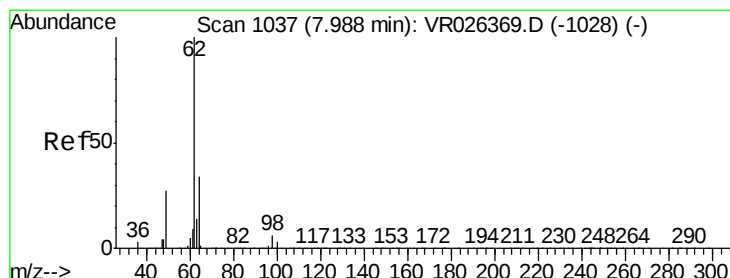
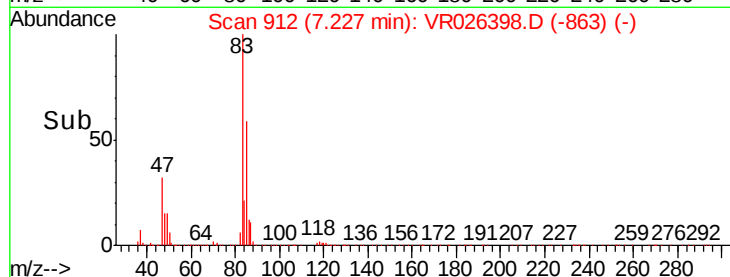
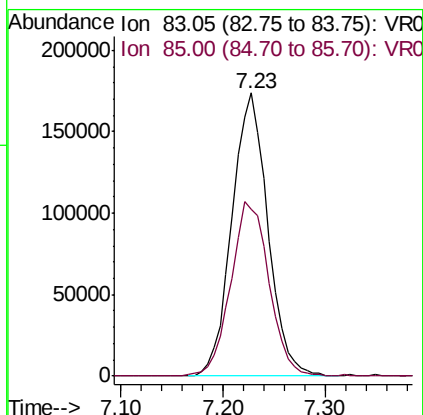
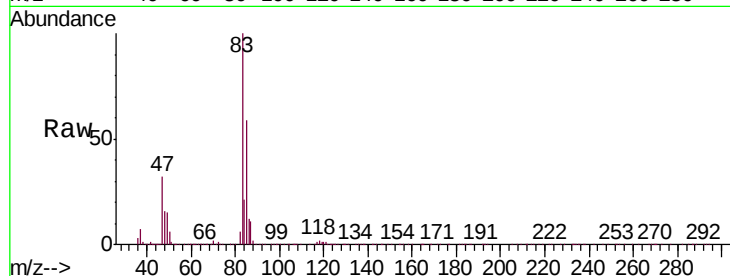




#25
Chloroform
Concen: 4.945 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.00 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

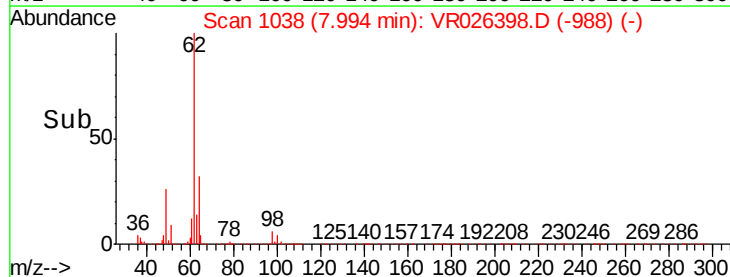
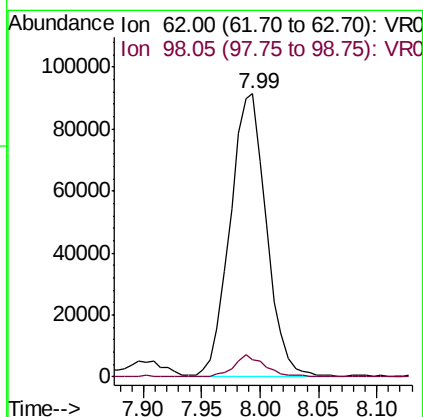
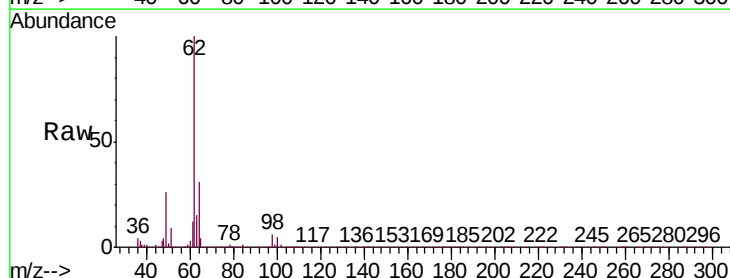
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

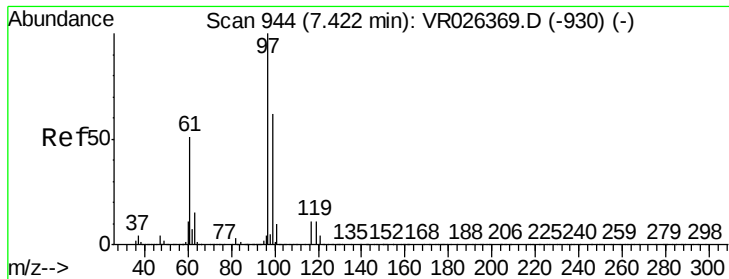
Tgt Ion: 83 Resp: 423251
Ion Ratio Lower Upper
83 100
85 59.2 48.6 90.2



#27
1,2-Dichloroethane
Concen: 4.842 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion: 62 Resp: 196109
Ion Ratio Lower Upper
62 100
98 6.2 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 5.564 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

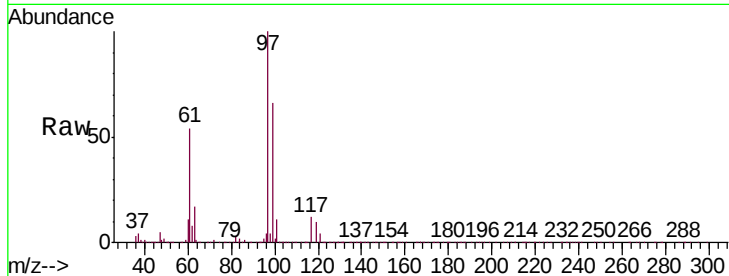
Tgt Ion: 97 Resp: 399753

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

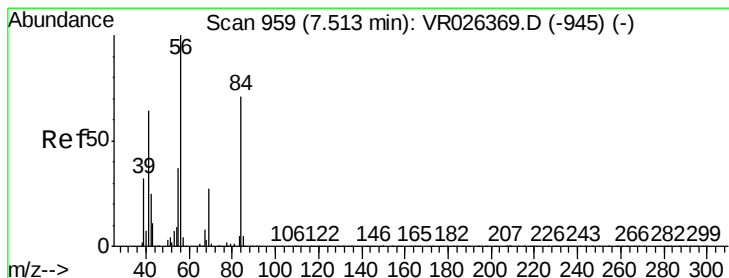
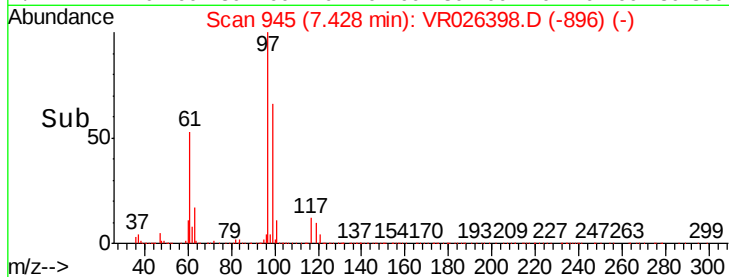
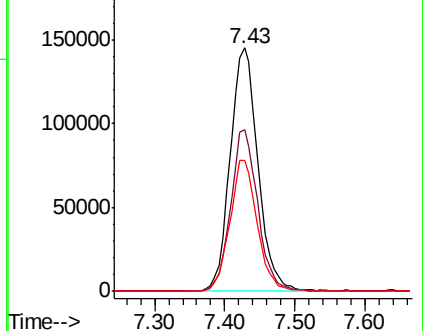
61 53.2 41.8 62.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 6.241 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

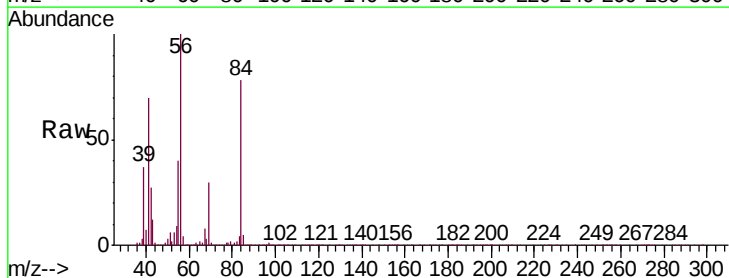
Tgt Ion: 56 Resp: 428773

Ion Ratio Lower Upper

56 100

69 29.7 22.6 34.0

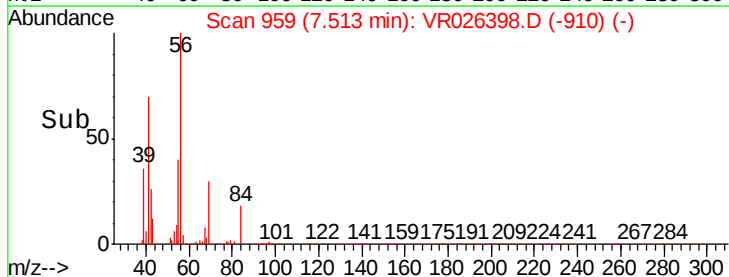
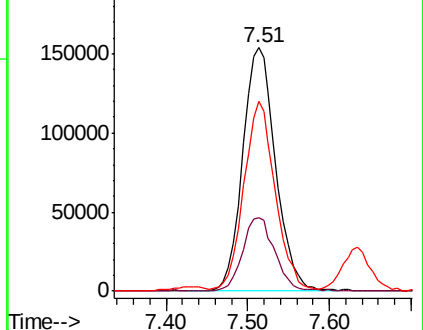
84 74.6 58.2 87.2

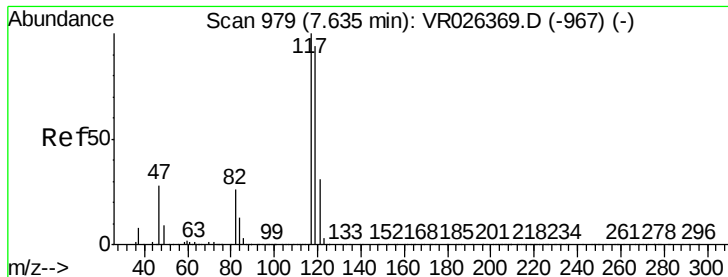


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.715 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

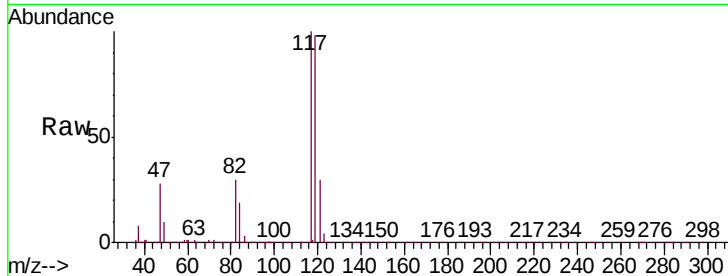
VSTD00591

Tgt Ion:117 Resp: 381649

Ion Ratio Lower Upper

117 100

119 95.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

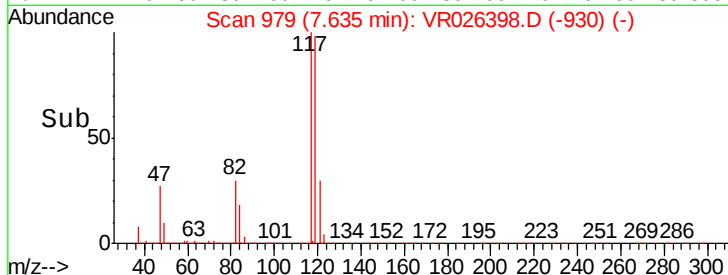
150000

100000

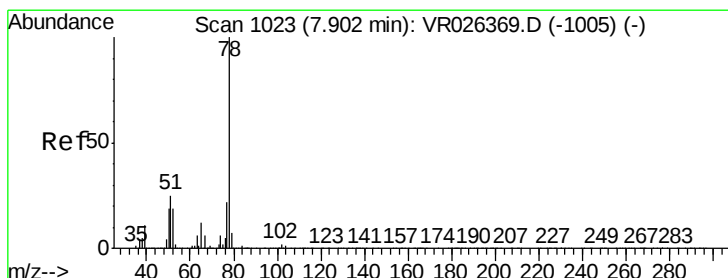
50000

0

7.50 7.60 7.70



Time-->



#33

Benzene

Concen: 5.093 ug/L

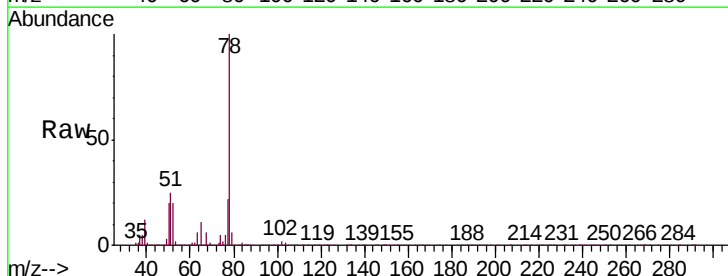
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Tgt Ion: 78 Resp: 970413



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

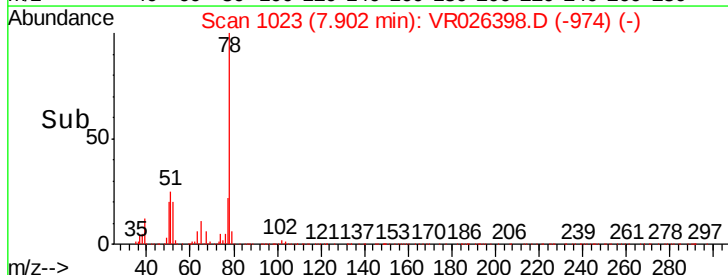
300000

200000

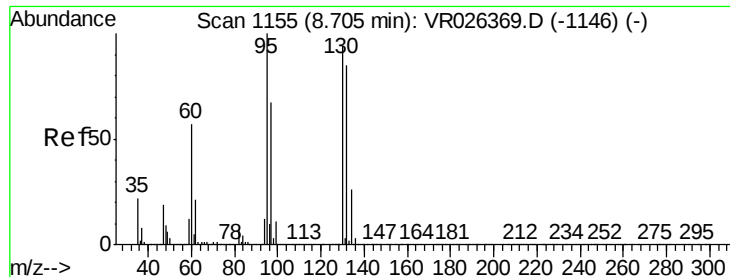
100000

0

7.70 7.80 7.90 8.00



Time-->



#34

Trichloroethene

Concen: 5.385 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

Tgt Ion: 95 Resp: 258105

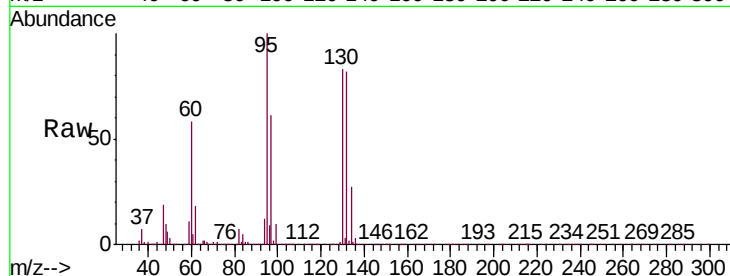
Ion Ratio Lower Upper

95 100

97 60.5 43.5 80.7

132 81.7 58.6 108.8

130 83.1 59.4 110.2

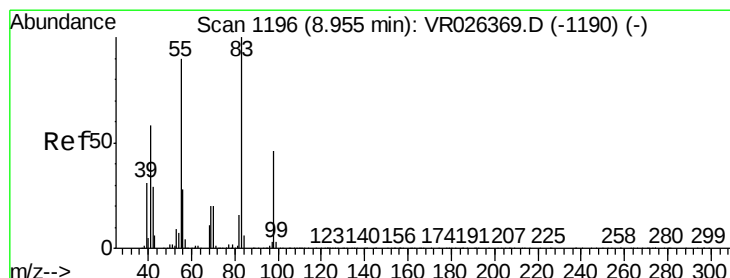
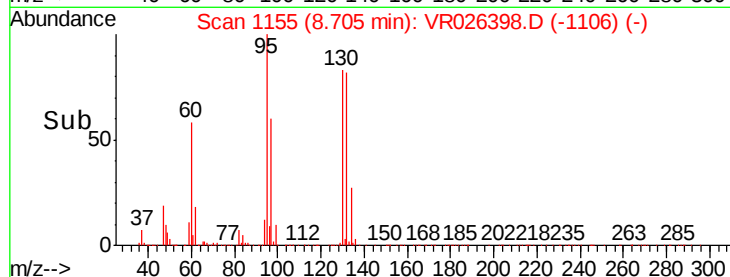
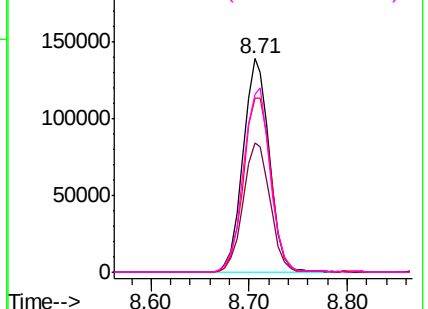


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 6.017 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

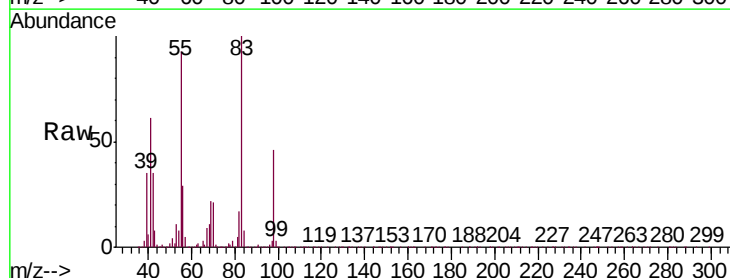
Tgt Ion: 83 Resp: 408969

Ion Ratio Lower Upper

83 100

55 92.2 72.2 108.2

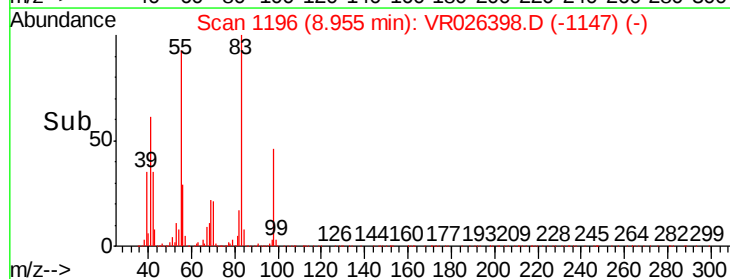
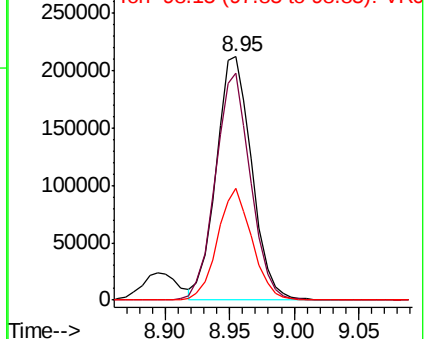
98 44.6 35.0 52.4

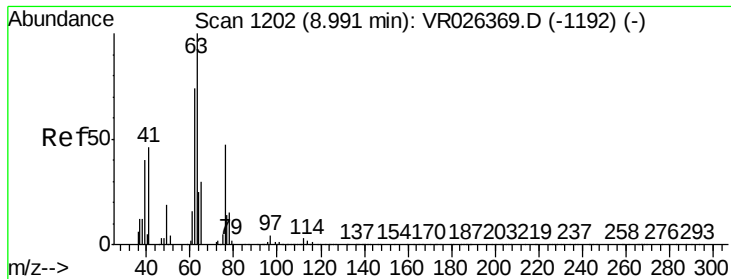


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

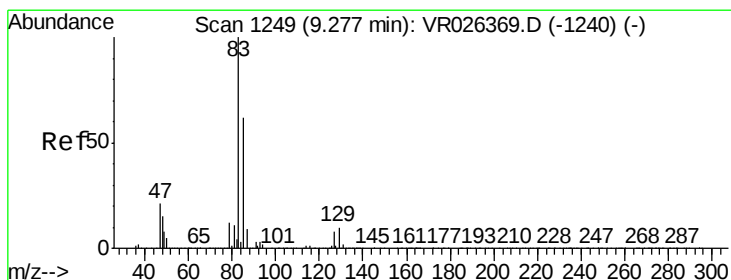
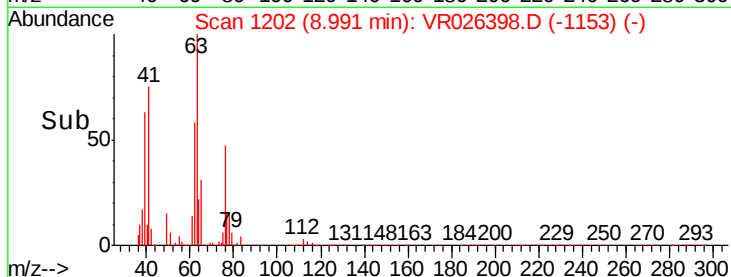
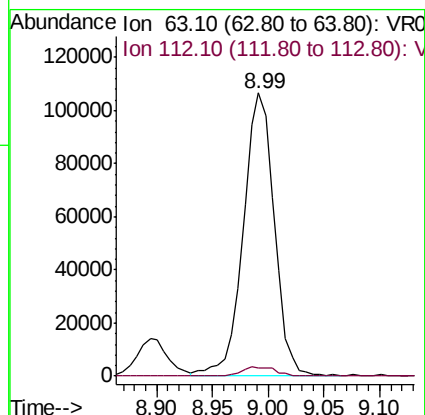
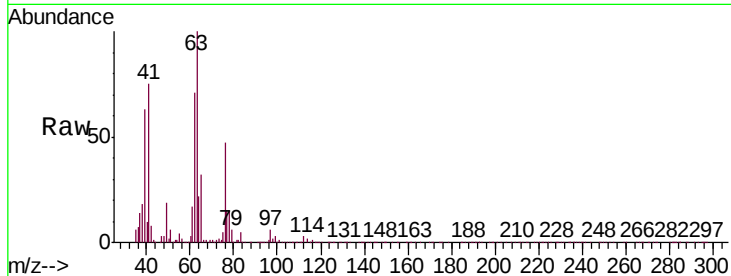




#37
 1,2-Dichloropropane
 Concen: 5.040 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

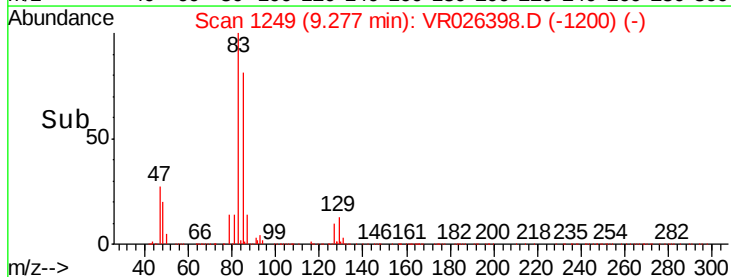
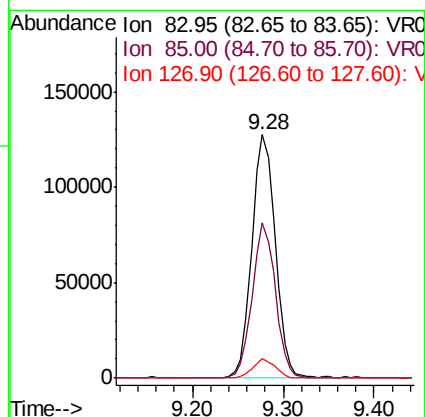
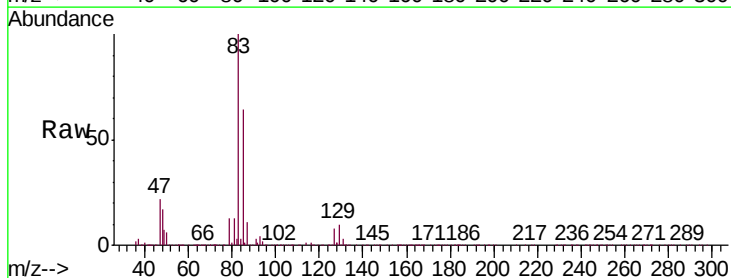
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

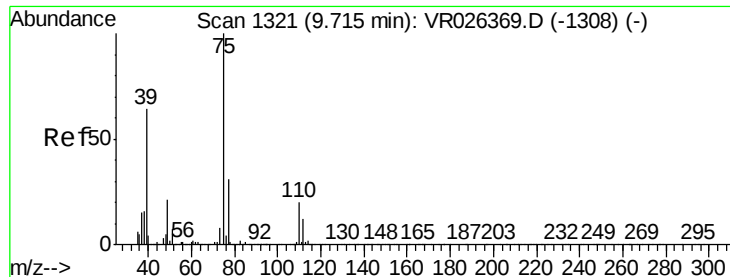
Tgt Ion: 63 Resp: 203926
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.960 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion: 83 Resp: 230084
 Ion Ratio Lower Upper
 83 100
 85 63.7 41.0 76.2
 127 7.9 5.5 8.3

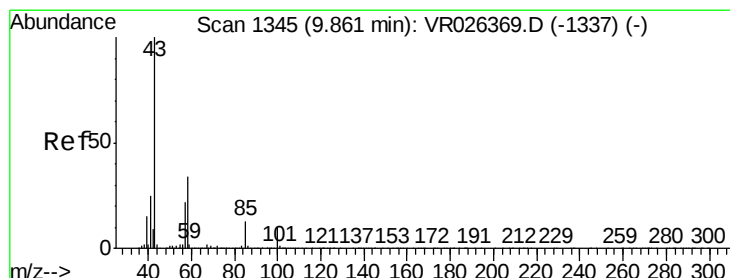
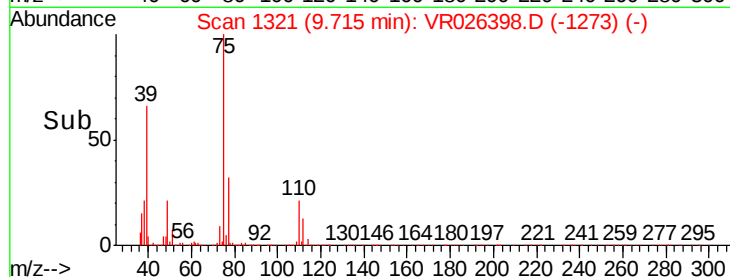
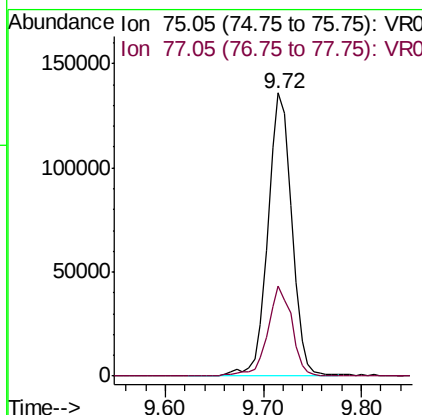
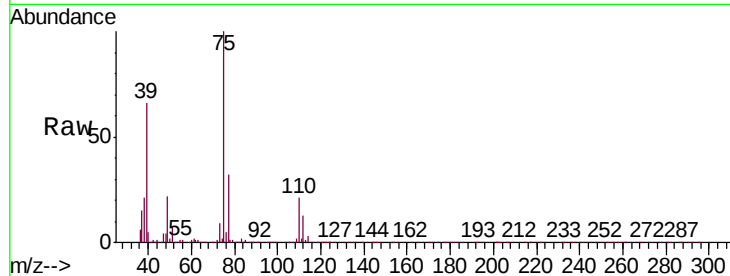




#39
 cis-1,3-Dichloropropene
 Concen: 5.231 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

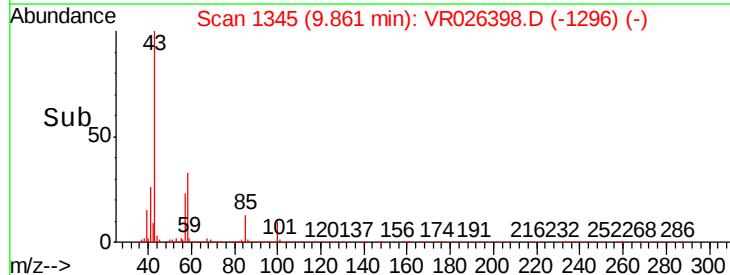
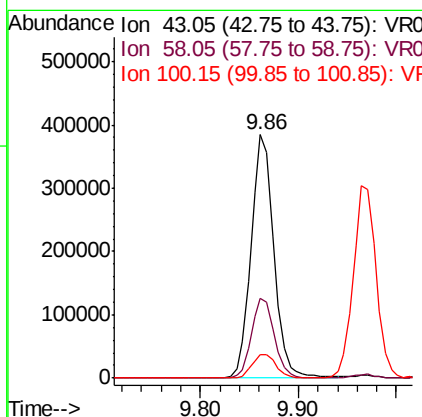
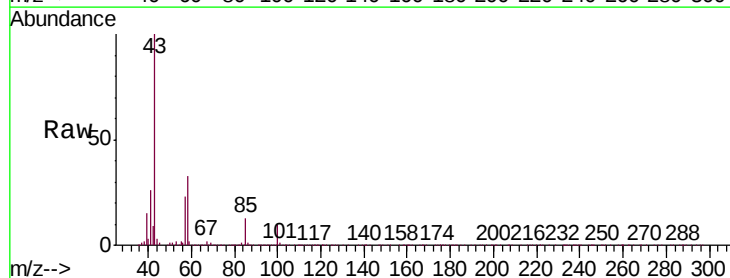
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

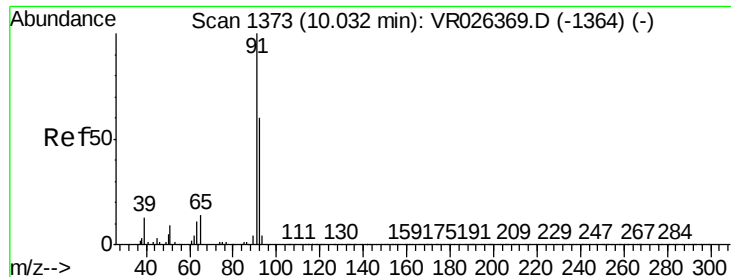
Tgt Ion: 75 Resp: 231121
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 56.108 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion: 43 Resp: 620680
 Ion Ratio Lower Upper
 43 100
 58 33.0 26.7 40.1
 100 10.2 8.4 12.6





#42

Toluene

Concen: 5.344 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

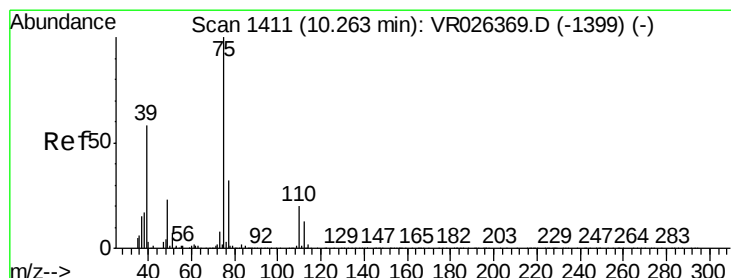
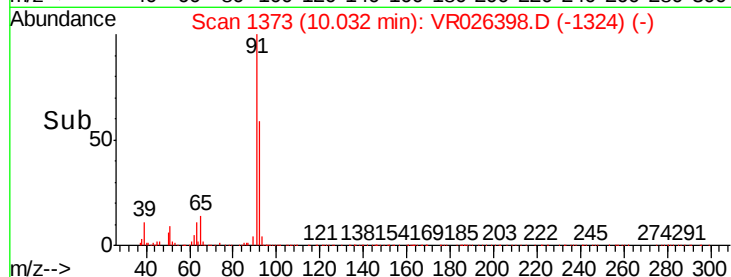
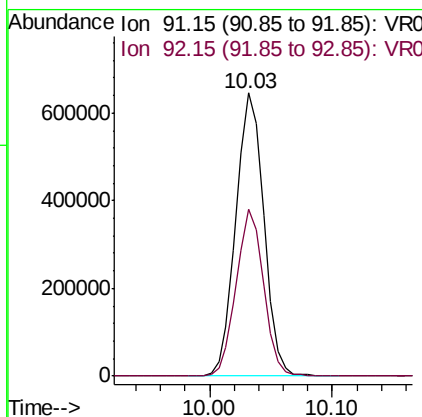
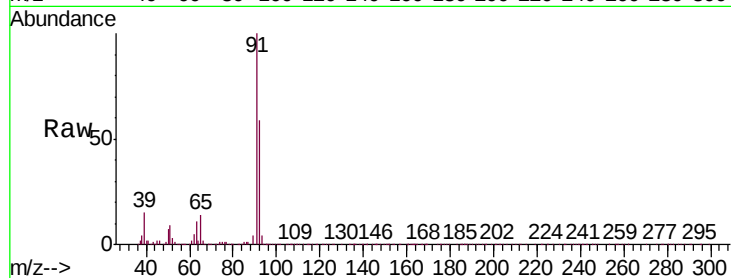
VSTD00591

Tgt Ion: 91 Resp: 1022633

Ion Ratio Lower Upper

91 100

92 58.9 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.182 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026398.D

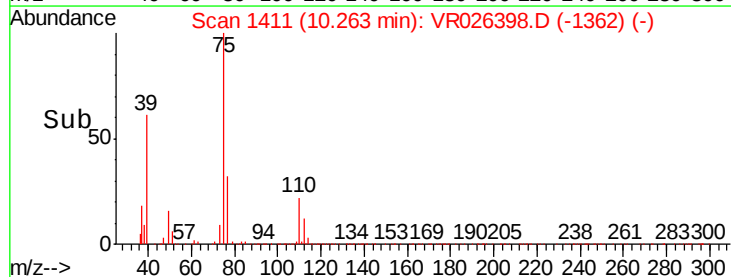
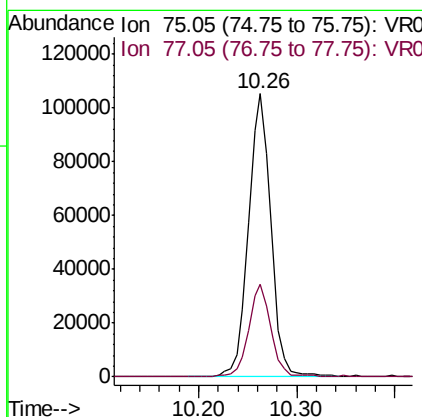
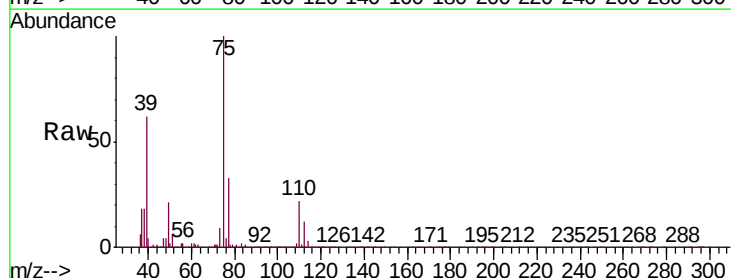
Acq: 27 Feb 2019 11:40

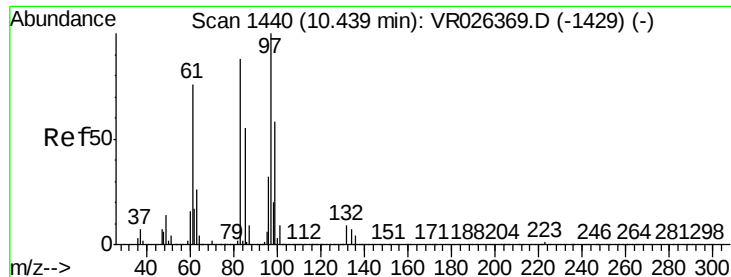
Tgt Ion: 75 Resp: 166949

Ion Ratio Lower Upper

75 100

77 32.8 23.9 44.3

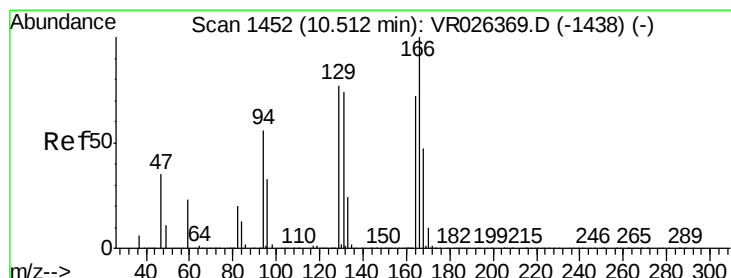
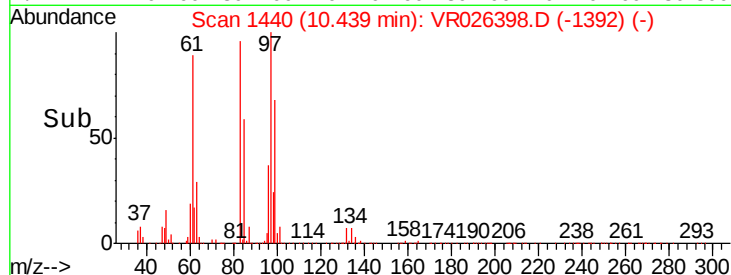
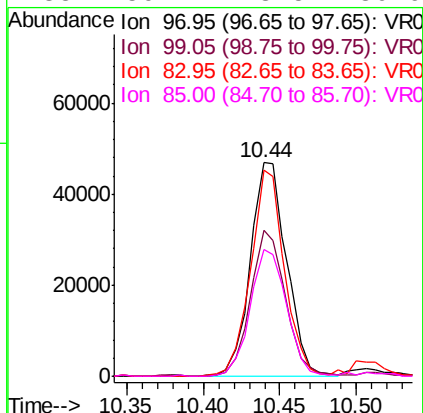
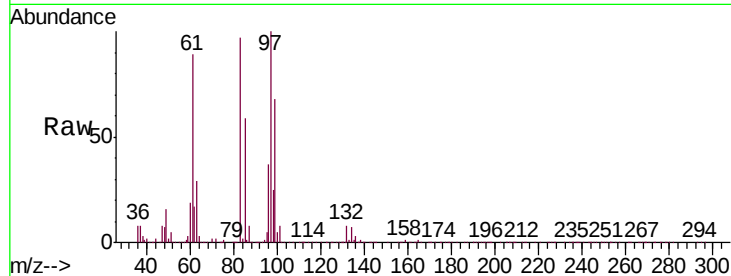




#45
 1,1,2-Trichloroethane
 Concen: 4.589 ug/L
 RT: 10.44 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

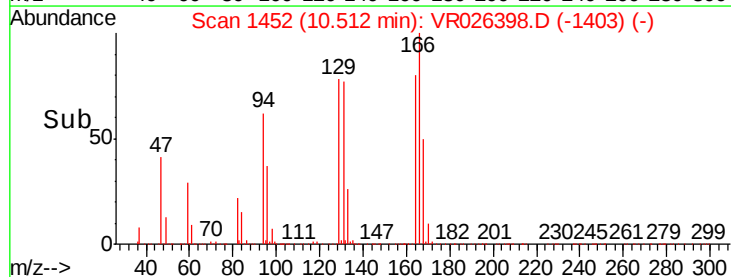
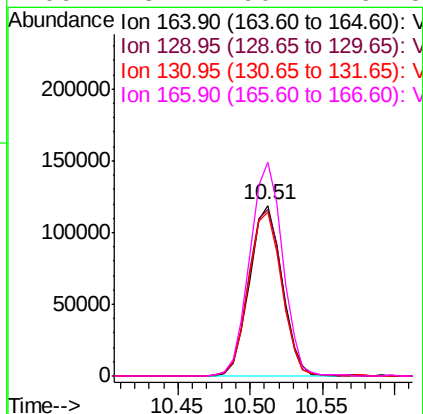
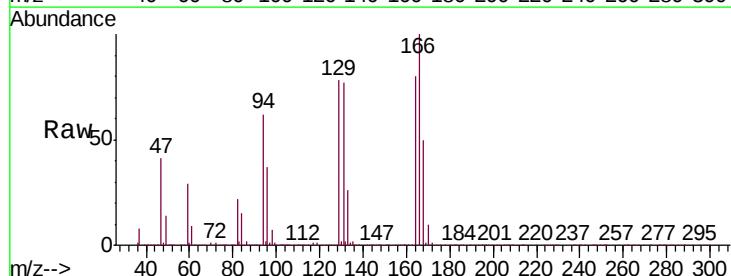
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

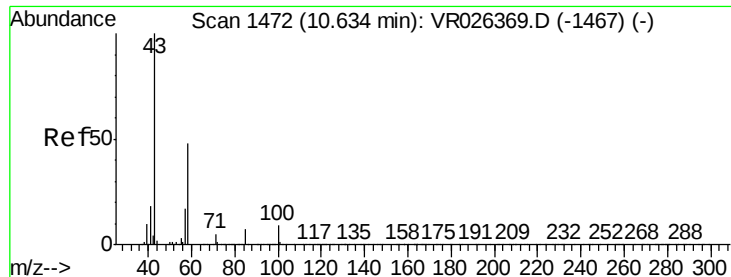
Tgt Ion:	97	Resp:	76701
Ion	Ratio	Lower	Upper
97	100		
99	68.2	38.1	70.7
83	96.7	59.6	110.6
85	59.2	43.5	80.9



#47
 Tetrachloroethene
 Concen: 5.341 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion:	164	Resp:	185591
Ion	Ratio	Lower	Upper
164	100		
129	97.5	67.2	124.8
131	95.8	67.3	125.1
166	125.1	90.4	167.8

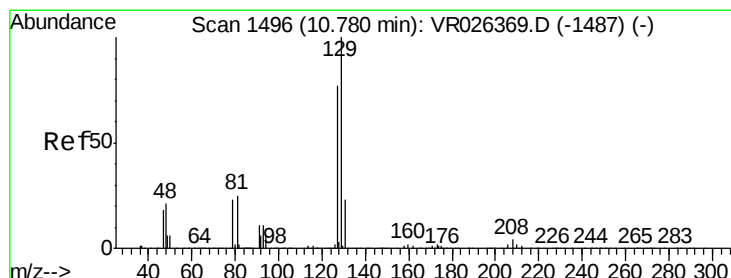
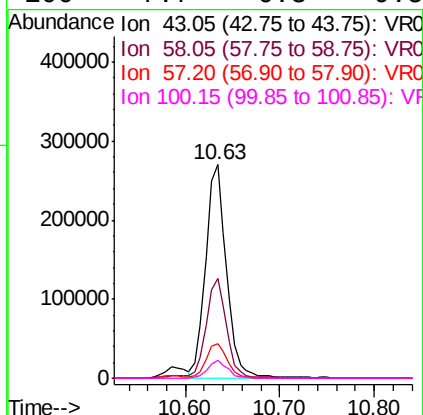
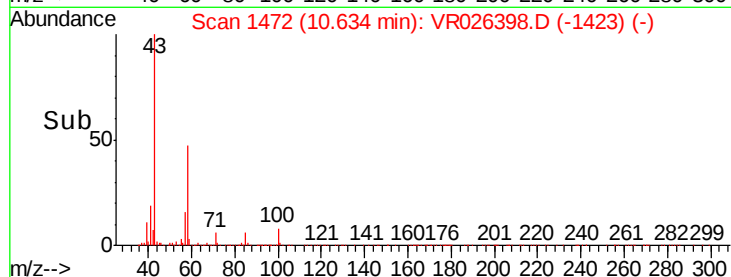
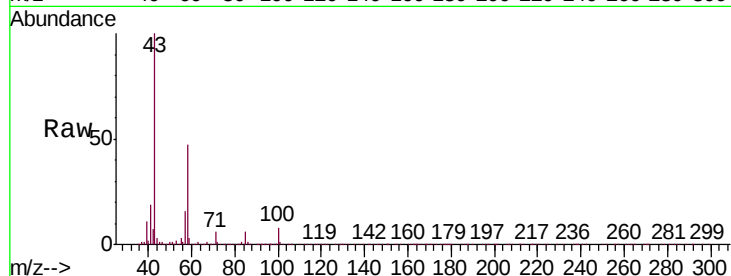




#48
2-Hexanone
Concen: 54.077 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

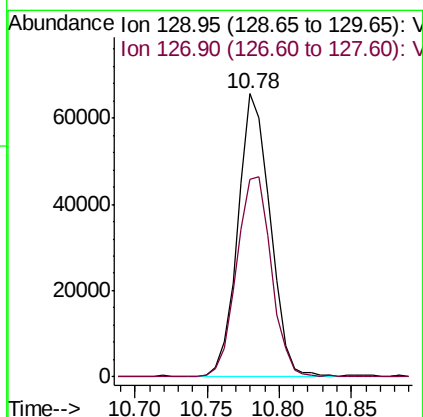
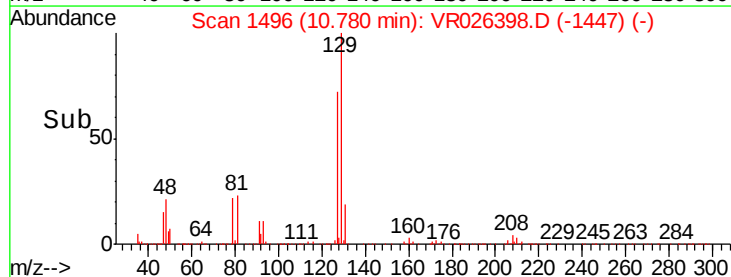
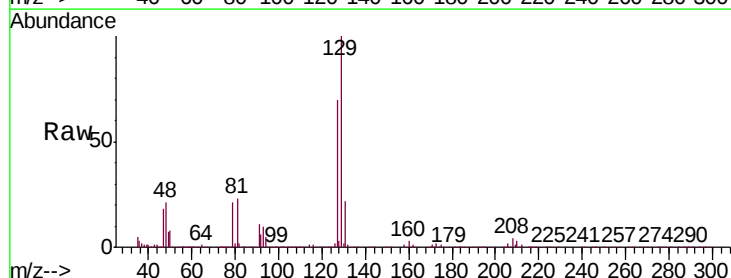
Instrument :
MSVOA_R
ClientSampleId :
VSTD00591

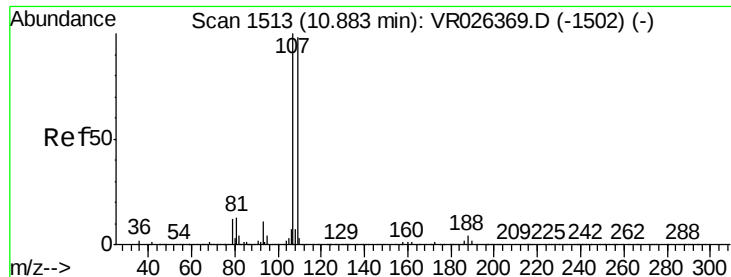
Tgt Ion:	43	Resp:	413353
Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.4	57.6
57	16.8	13.2	19.8
100	7.7	6.3	9.5



#49
Dibromochloromethane
Concen: 4.921 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion:	129	Resp:	102261
Ion	Ratio	Lower	Upper
129	100		
127	69.9	52.1	96.7

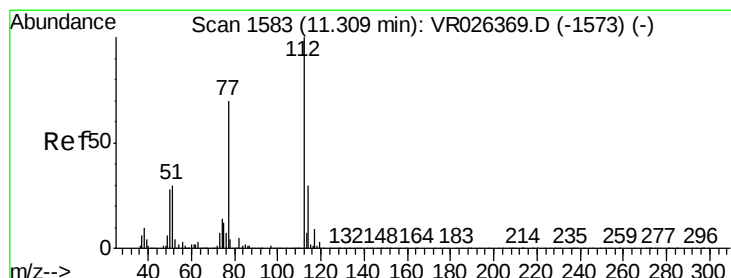
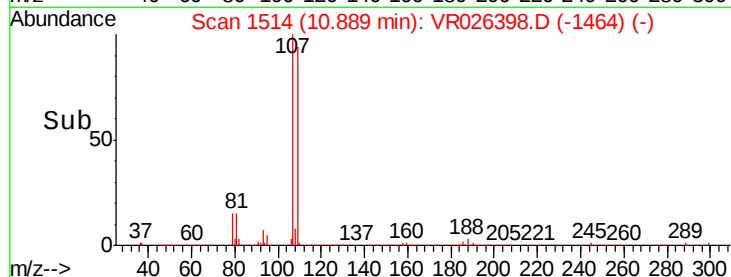
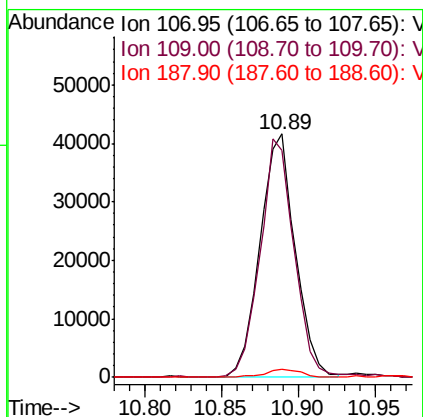
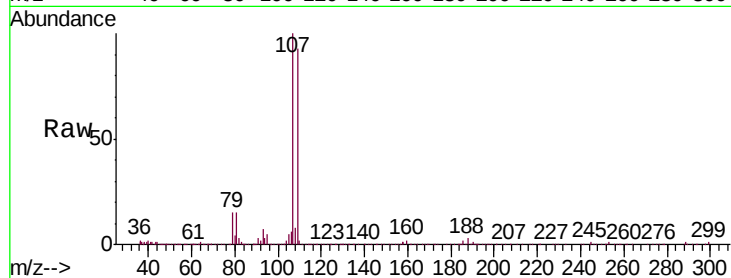




#50
1,2-Dibromoethane
Concen: 5.116 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

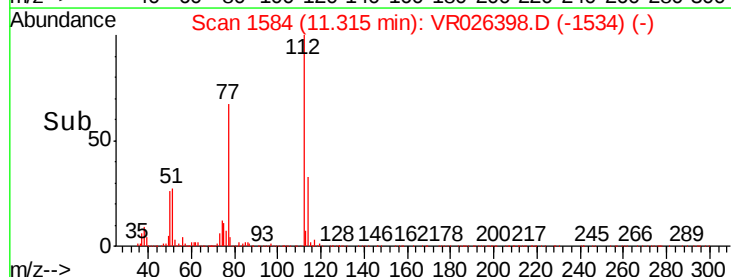
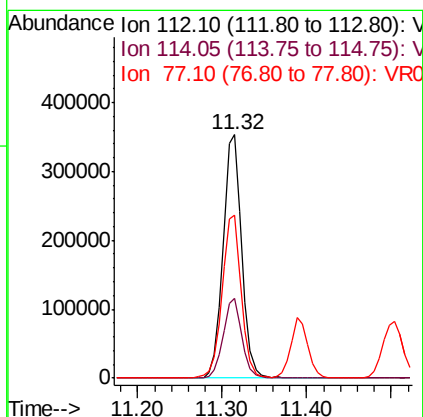
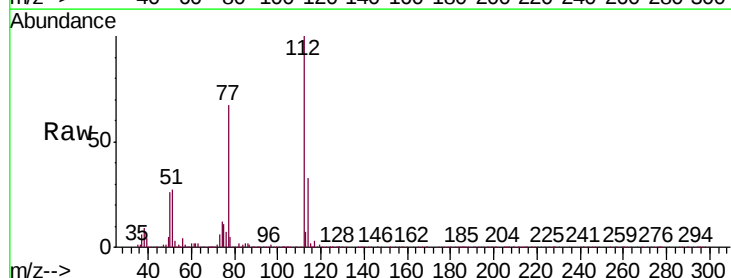
Instrument :
MSVOA_R
ClientSampled :
VSTD00591

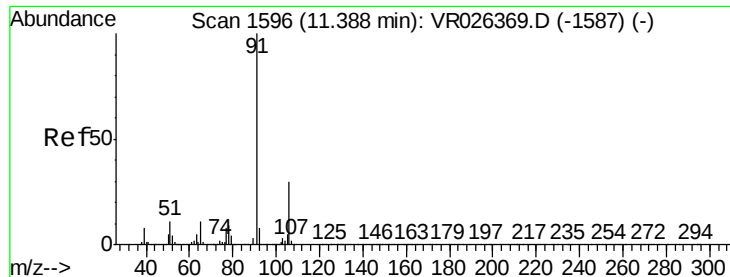
Tgt Ion:107 Resp: 66652
Ion Ratio Lower Upper
107 100
109 93.3 66.4 123.4
188 3.1 2.2 3.2



#51
Chlorobenzene
Concen: 5.171 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VR026398.D
Acq: 27 Feb 2019 11:40

Tgt Ion:112 Resp: 541014
Ion Ratio Lower Upper
112 100
114 32.8 22.0 41.0
77 67.1 55.4 83.2





#52

Ethylbenzene

Concen: 5.730 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

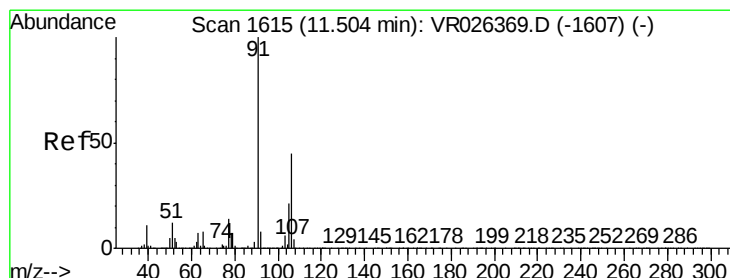
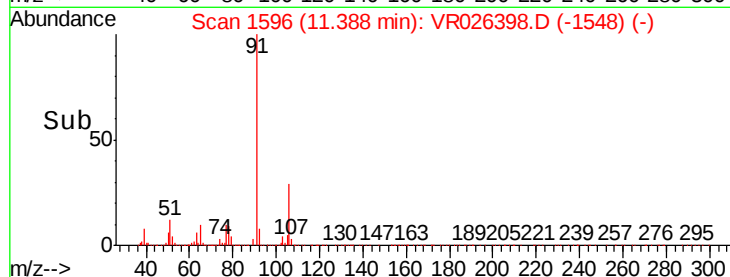
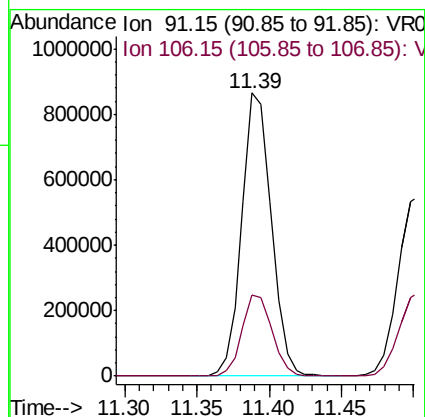
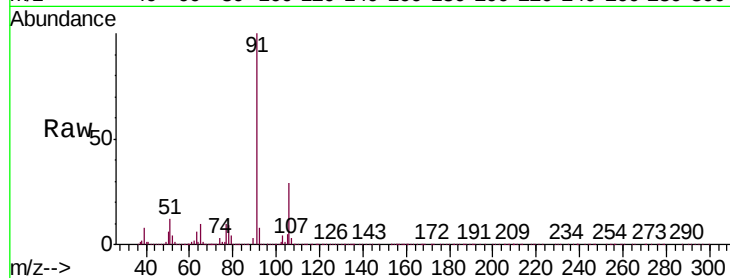
VSTD00591

Tgt Ion: 91 Resp: 1232403

Ion Ratio Lower Upper

91 100

106 28.8 21.2 39.4



#53

m,p-Xylene

Concen: 5.571 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026398.D

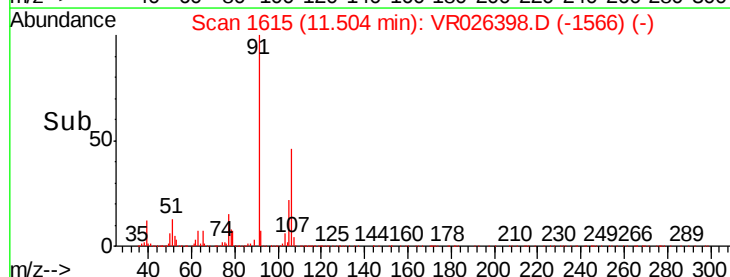
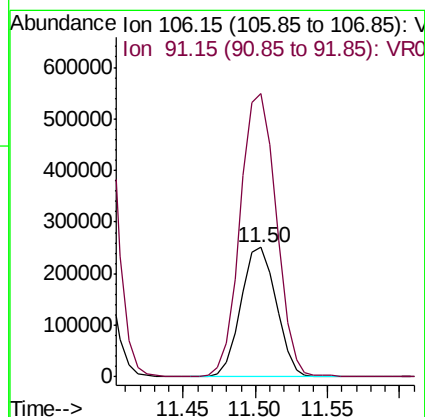
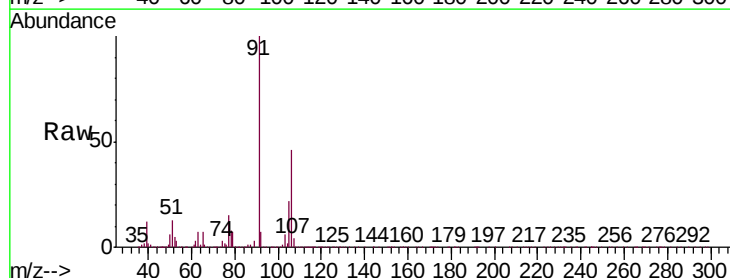
Acq: 27 Feb 2019 11:40

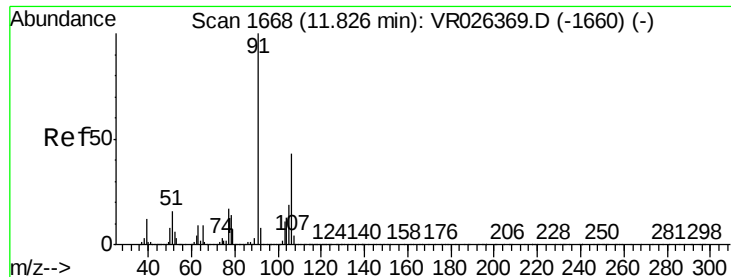
Tgt Ion: 106 Resp: 427108

Ion Ratio Lower Upper

106 100

91 218.8 153.9 285.7





#54

o-Xylene

Concen: 5.920 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

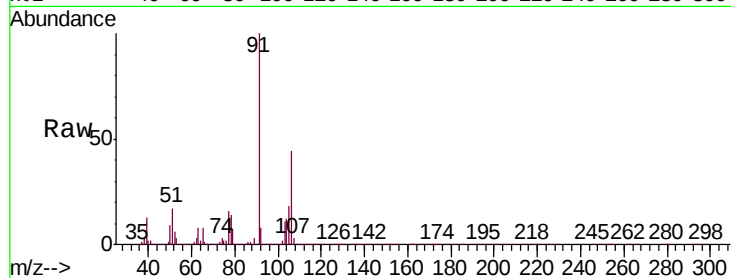
VSTD00591

Tgt Ion:106 Resp: 396153

Ion Ratio Lower Upper

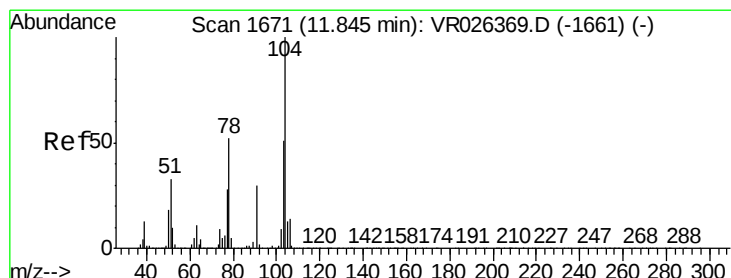
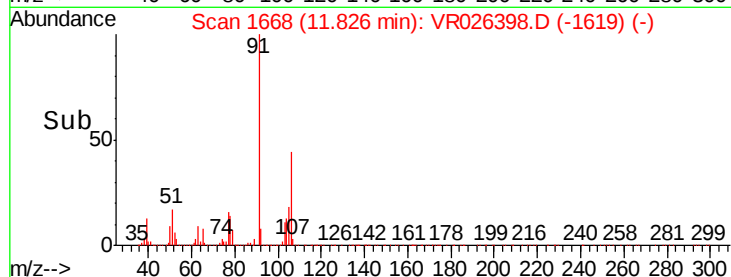
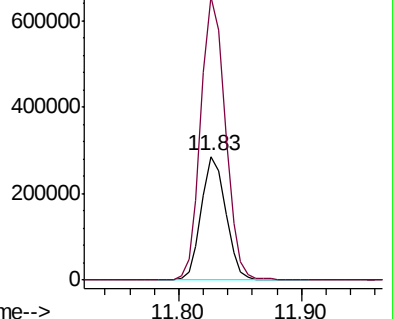
106 100

91 229.2 162.5 301.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 5.705 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026398.D

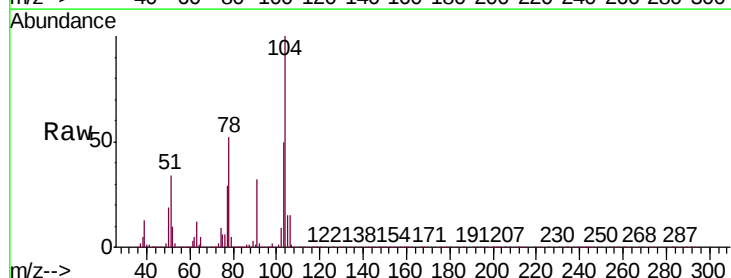
Acq: 27 Feb 2019 11:40

Tgt Ion:104 Resp: 603392

Ion Ratio Lower Upper

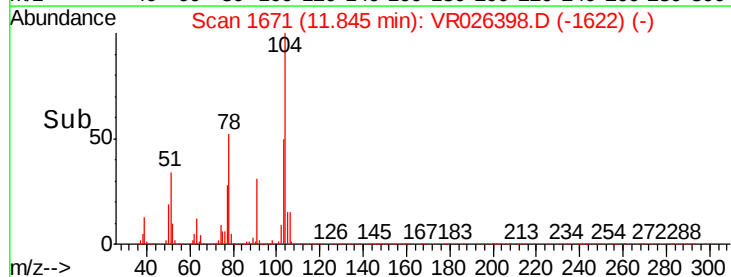
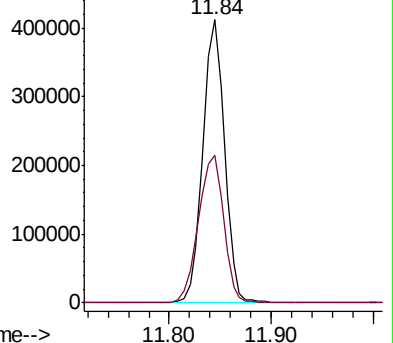
104 100

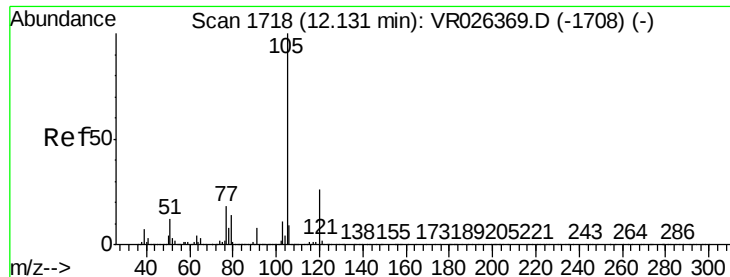
78 52.3 36.5 67.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 6.188 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

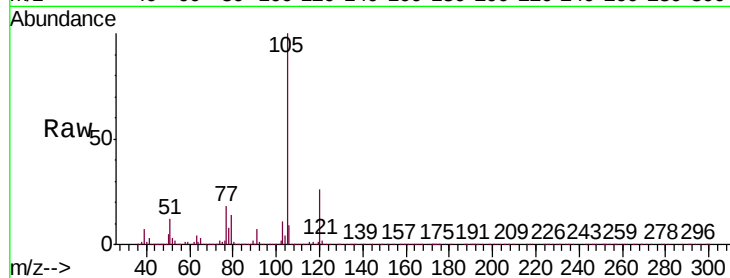
Tgt Ion:105 Resp: 1176017

Ion Ratio Lower Upper

105 100

120 25.3 20.4 30.6

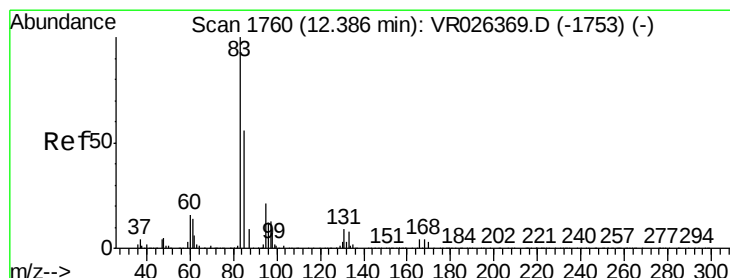
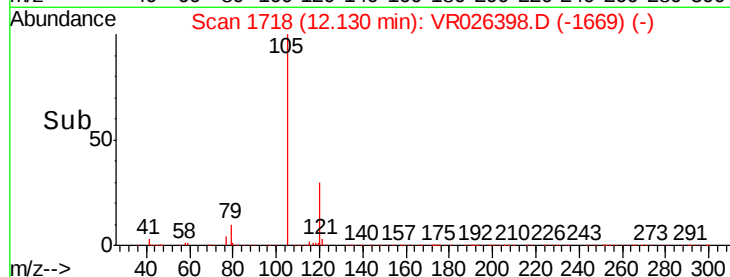
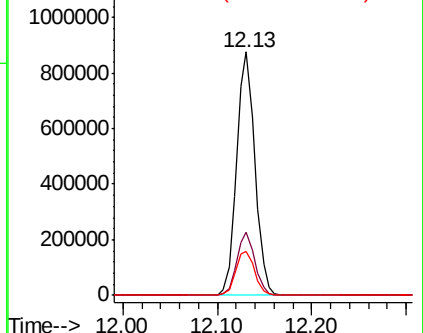
77 18.9 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.952 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

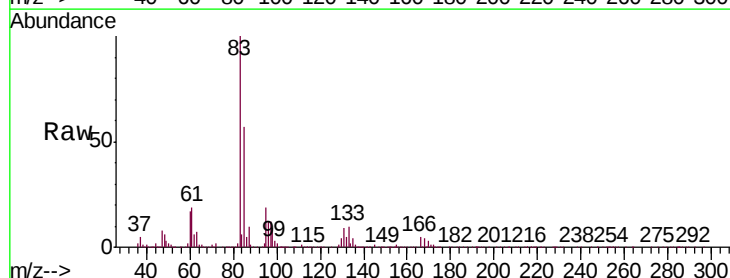
Tgt Ion: 83 Resp: 75405

Ion Ratio Lower Upper

83 100

85 56.6 46.1 85.7

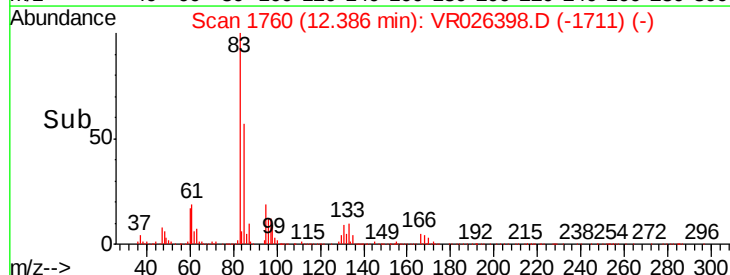
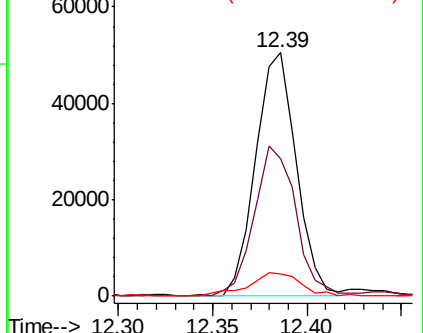
131 9.2 6.1 9.1#

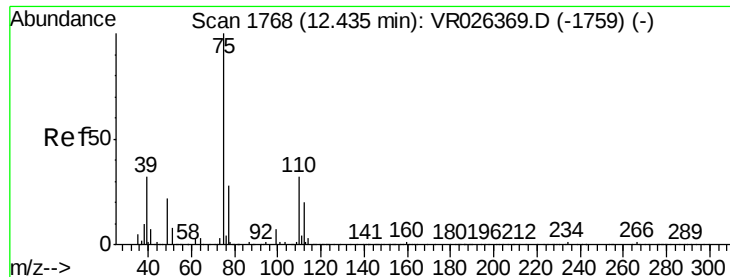


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.055 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

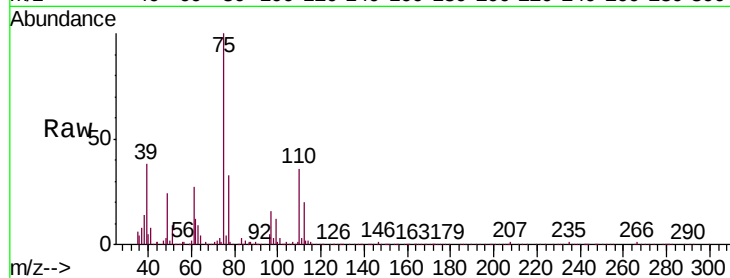
VSTD00591

Tgt Ion: 75 Resp: 56353

Ion Ratio Lower Upper

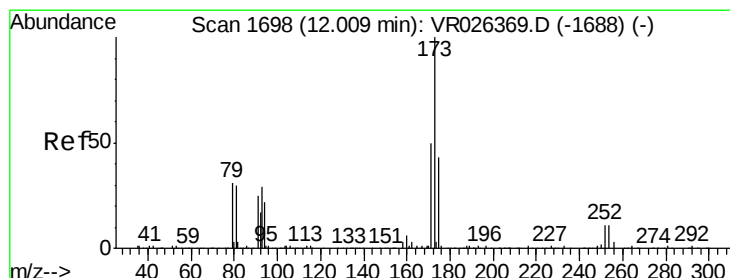
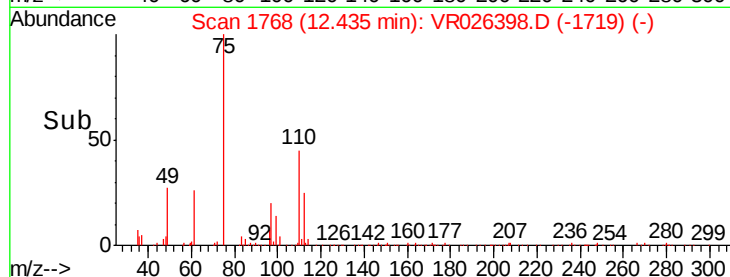
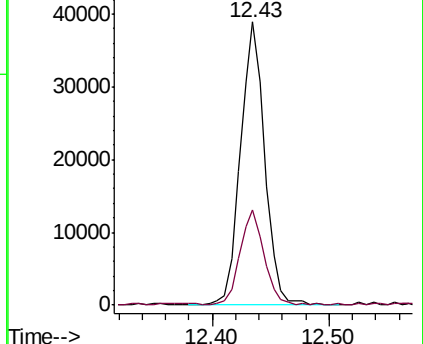
75 100

77 33.9 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 4.328 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

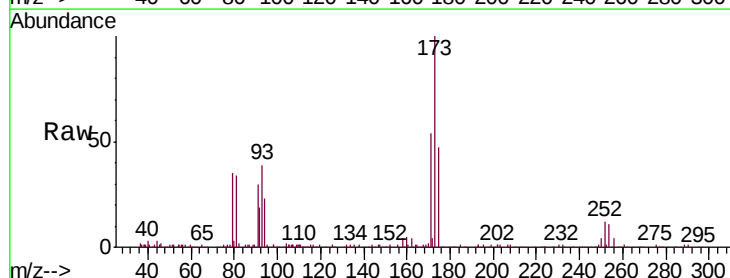
Tgt Ion: 173 Resp: 38847

Ion Ratio Lower Upper

173 100

175 46.3 38.8 58.2

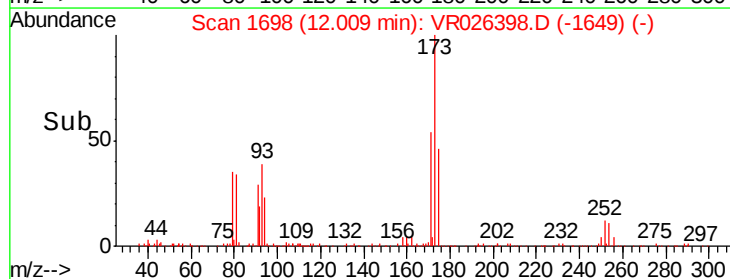
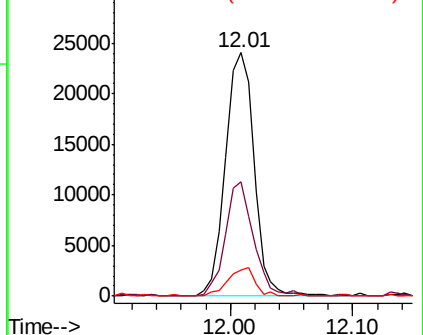
254 11.1 7.7 11.5

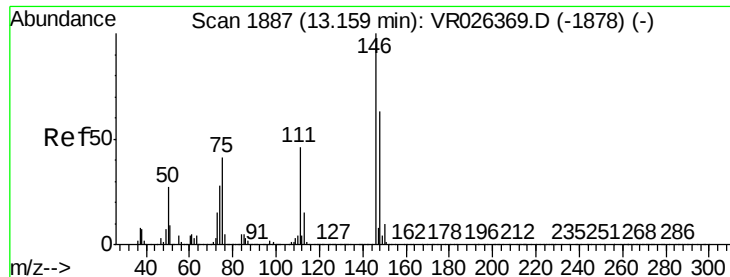


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 5.510 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampled :

VSTD00591

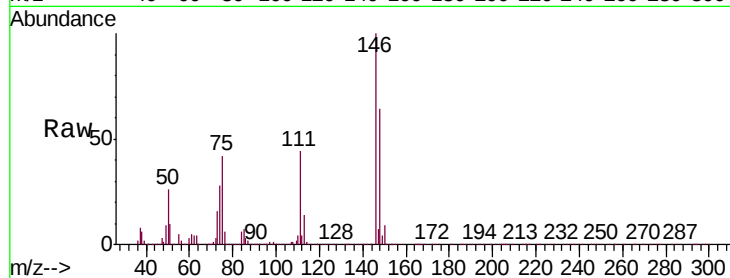
Tgt Ion:146 Resp: 323930

Ion Ratio Lower Upper

146 100

111 44.5 31.1 57.9

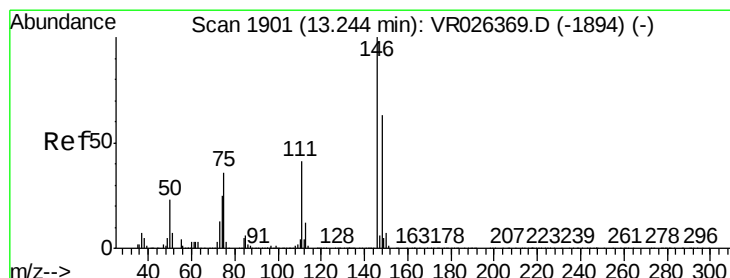
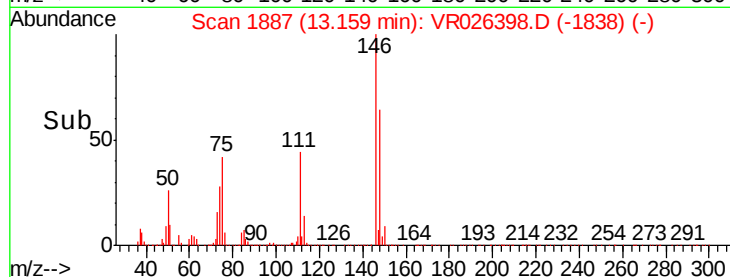
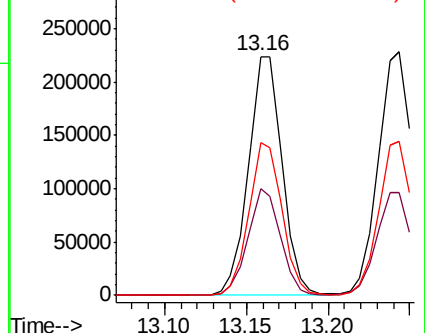
148 63.9 45.4 84.2



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: 5.162 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

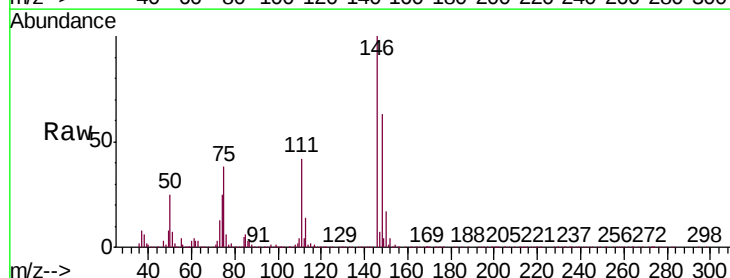
Tgt Ion:146 Resp: 336948

Ion Ratio Lower Upper

146 100

111 42.2 30.0 55.8

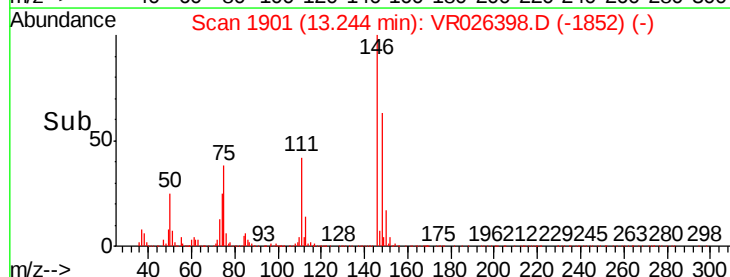
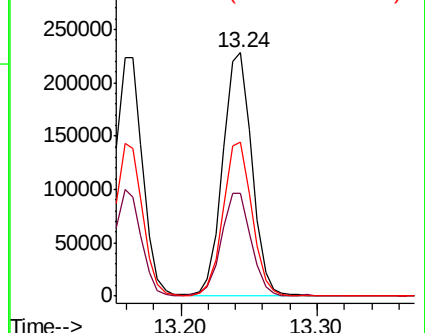
148 63.3 43.7 81.1

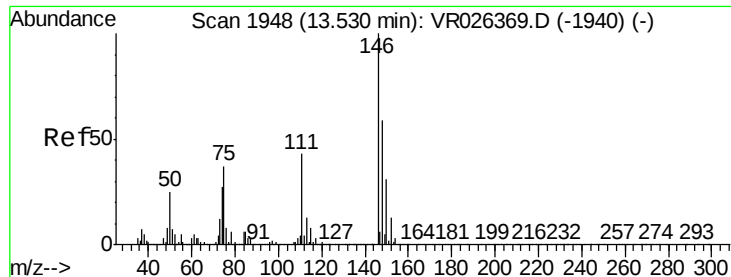


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

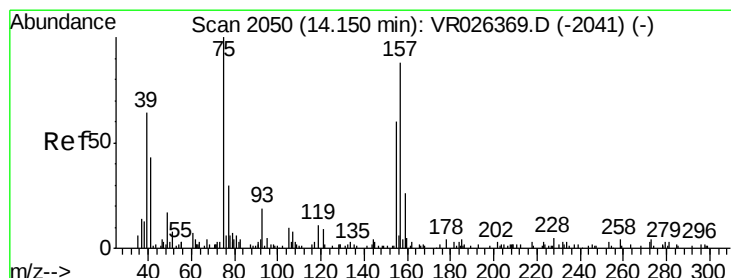
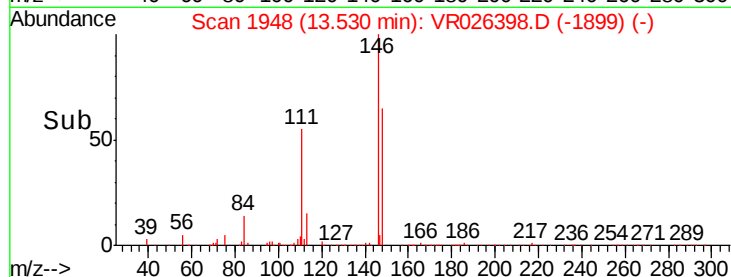
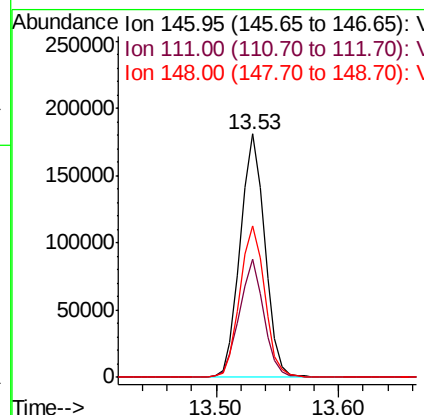
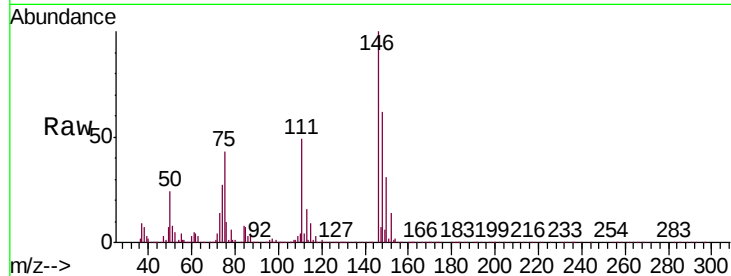




#65
 1,2-Dichlorobenzene
 Concen: 5.157 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

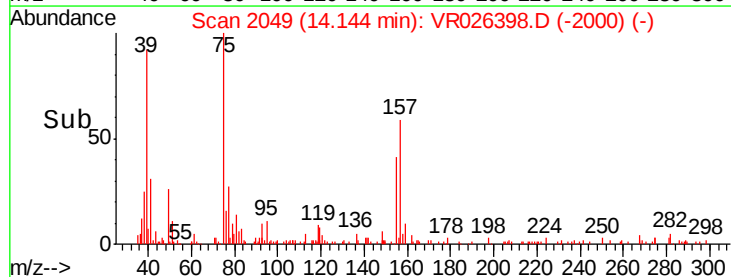
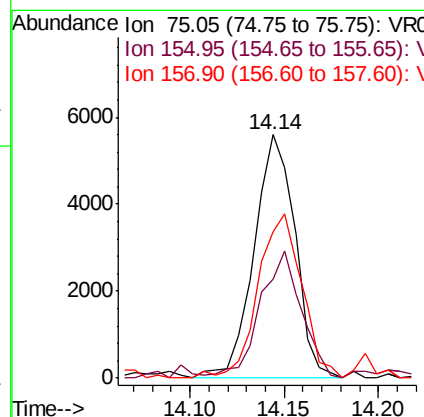
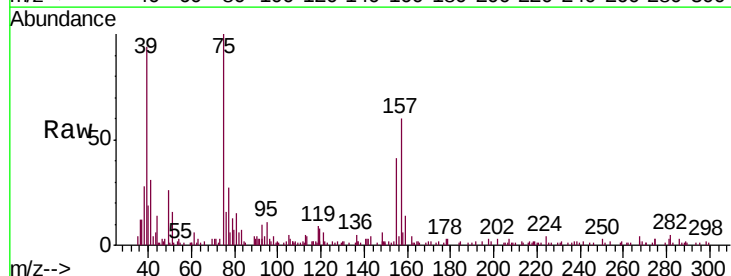
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

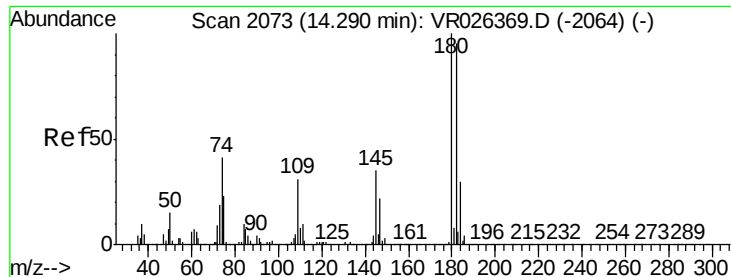
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	36.9	55.3
148	62.1	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.661 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	40.6	53.8	80.8#
157	59.8	67.4	101.0#

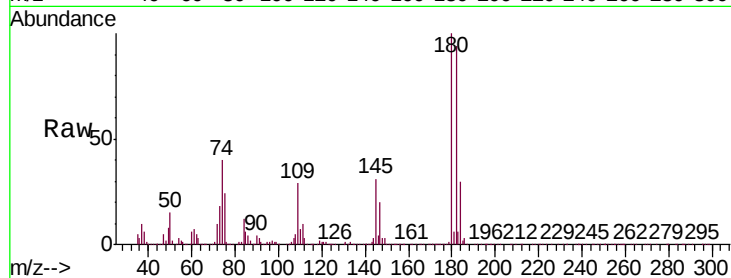




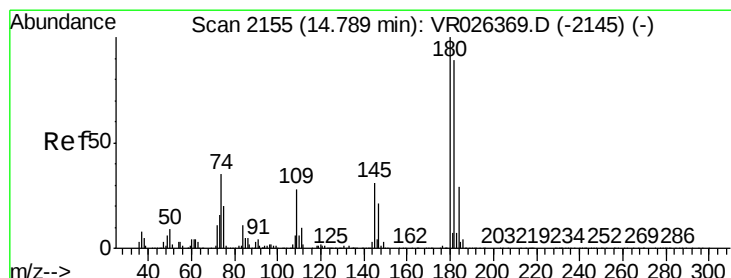
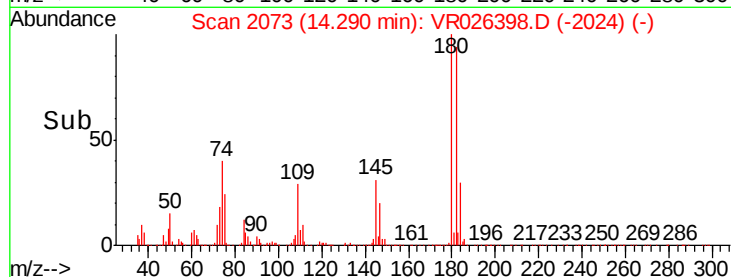
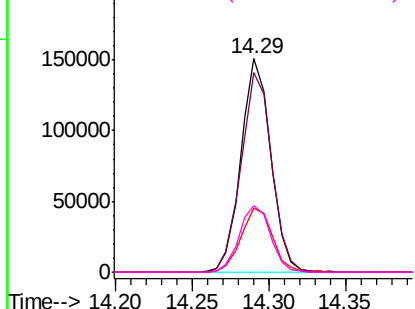
#67
 1,3,5-Trichlorobenzene
 Concen: 5.602 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Tgt Ion:	180	Resp:	204061
Ion Ratio	Lower	Upper	
180	100		
182	96.5	79.0	118.6
184	31.7	25.5	38.3
145	32.4	26.2	39.2

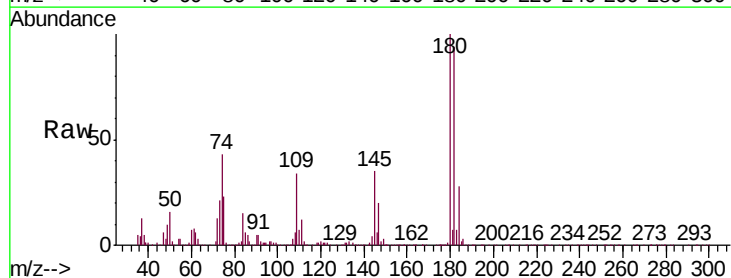


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

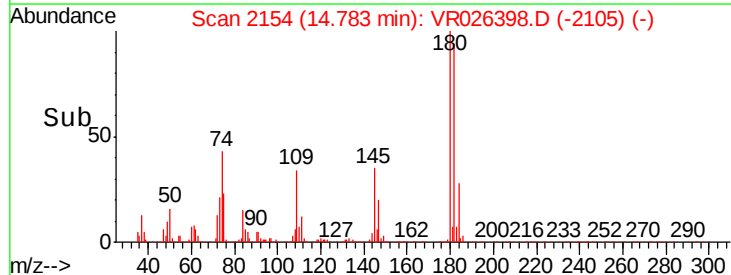
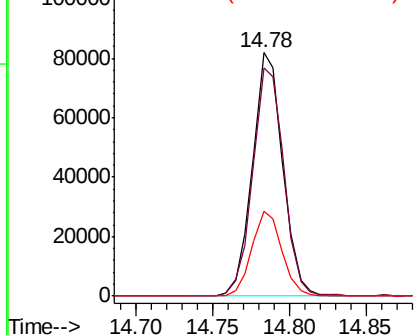


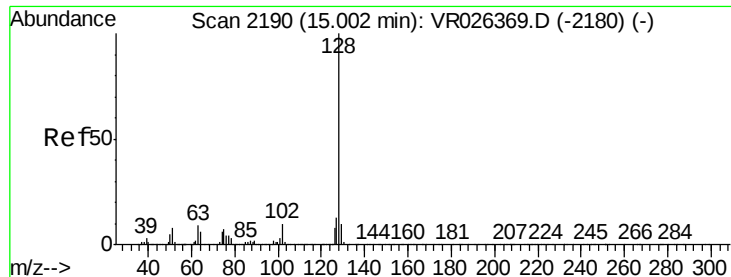
#68
 1,2,4-trichlorobenzene
 Concen: 5.421 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026398.D
 Acq: 27 Feb 2019 11:40

Tgt Ion:	180	Resp:	113355
Ion Ratio	Lower	Upper	
180	100		
182	96.0	74.7	112.1
145	34.7	26.6	40.0



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: 5.562 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

Instrument :

MSVOA_R

ClientSampleId :

VSTD00591

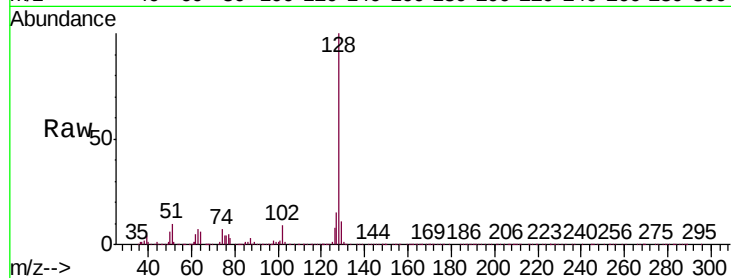
Tgt Ion:128 Resp: 107369

Ion Ratio Lower Upper

128 100

127 13.6 11.2 16.8

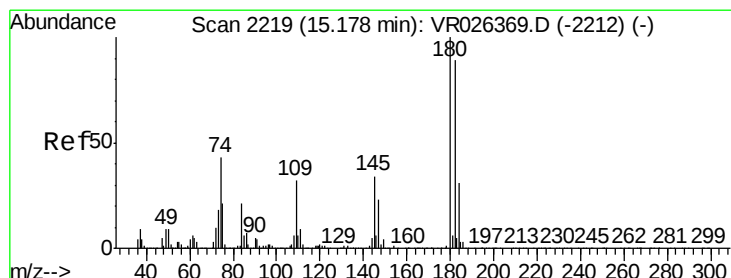
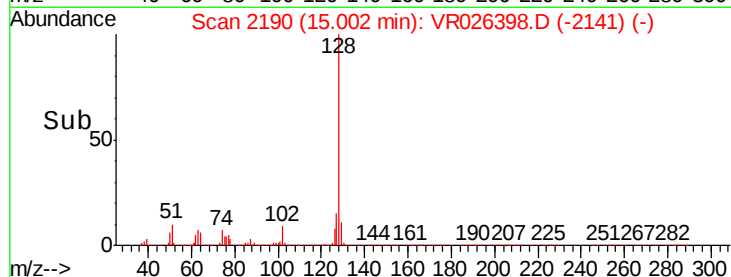
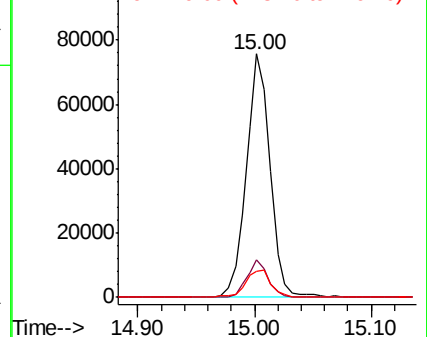
129 12.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 6.086 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026398.D

Acq: 27 Feb 2019 11:40

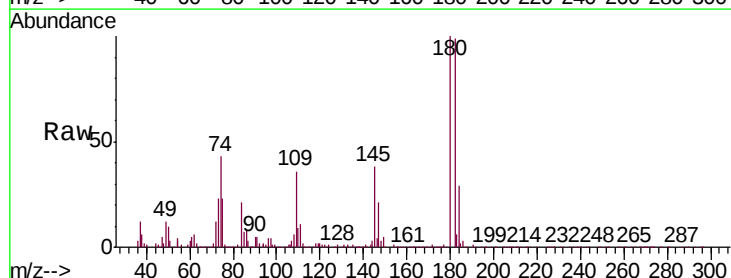
Tgt Ion:180 Resp: 89638

Ion Ratio Lower Upper

180 100

182 90.2 77.4 116.0

145 34.7 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

