

Data File : VR026222.D
Acq On : 19 Nov 2018 13:51
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

Quant Time: Nov 20 04:09:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR110918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 09 14:56:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	738419	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	613343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	245961	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	192697	3.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.80%
7) Chloroethane-d5	2.63	69	208809	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	3.61	63	582289	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	6.59	46	267596	56.49	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.98%
24) Chloroform-d	7.21	84	489851	5.06	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	7.90	65	191149	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	7.86	84	935845	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	8.90	67	250162	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	9.97	98	893539	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
43) trans-1,3-Dichloropropene-	10.24	79	64798	5.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.80%
46) 2-Hexanone-d5	10.59	63	207100	60.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.54%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	104113	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	182743	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	262151	5.595 ug/L	99
3) Chloromethane	2.02	50	341617	4.252 ug/L	97
5) Vinyl chloride	2.17	62	333499	4.209 ug/L	97
6) Bromomethane	2.52	94	222263	4.215 ug/L	93
8) Chloroethane	2.66	64	204408	4.083 ug/L	97
9) Trichlorofluoromethane	2.94	101	219648	2.063 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	268926	4.397 ug/L	99
12) 1,1-Dichloroethene	3.63	96	297519	4.122 ug/L	99
13) Acetone	3.70	43	216745	43.288 ug/L	100
14) Carbon disulfide	3.94	76	867649	4.417 ug/L	99
15) Methyl Acetate	4.20	43	52435	4.027 ug/L	96
16) Methylene chloride	4.41	84	251617	4.136 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	313099	5.129 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	273497	4.913 ug/L	98
19) 1,1-Dichloroethane	5.69	63	497640	4.881 ug/L	98
21) 2-Butanone	6.69	43	285703	49.404 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	254320	5.165 ug/L #	100

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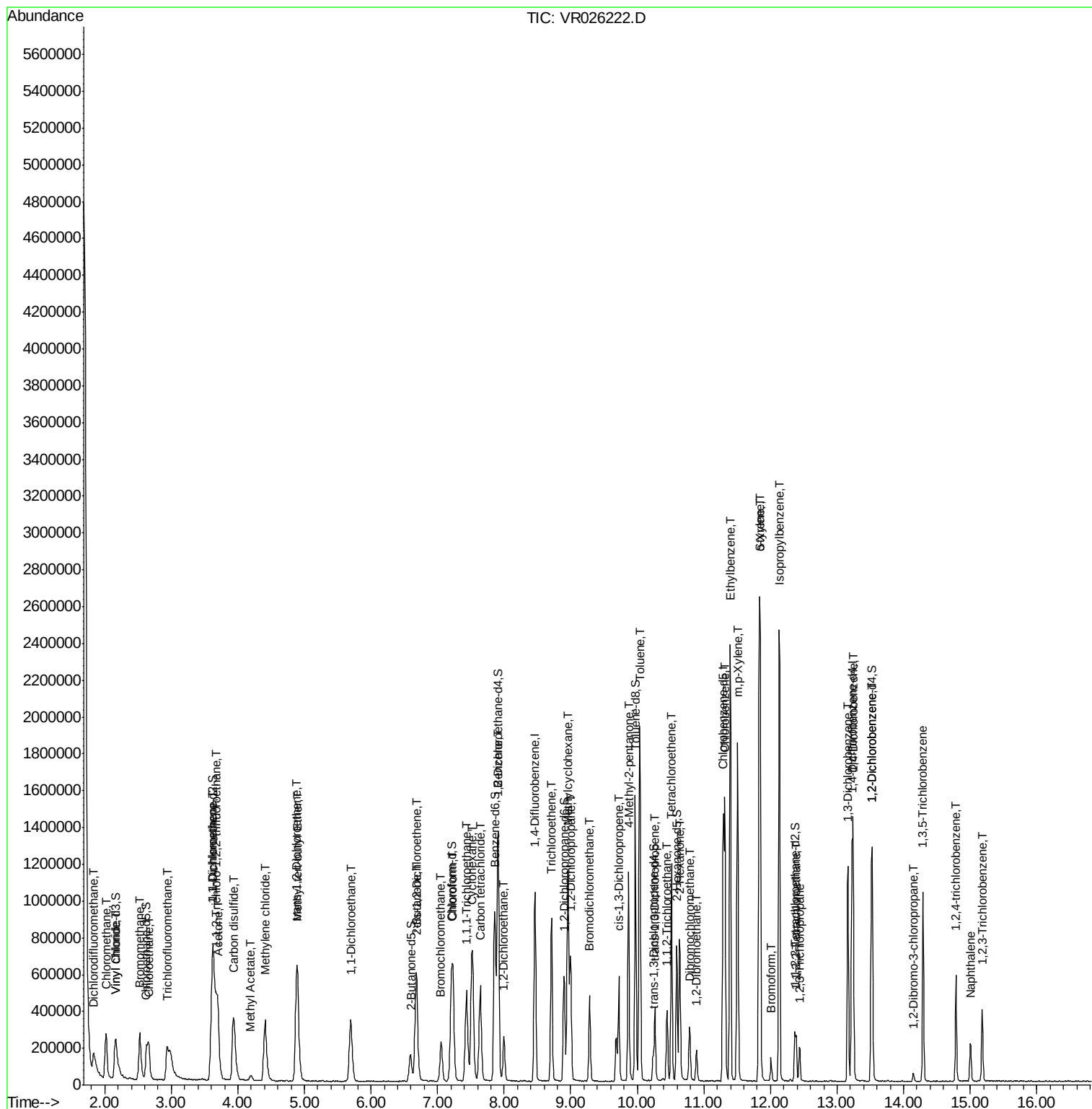
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	72146	4.798	ug/L	86
25) Chloroform	7.23	83	489032	4.913	ug/L	98
27) 1,2-Dichloroethane	7.99	62	215780	4.670	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	434926	5.297	ug/L	97
30) Cyclohexane	7.52	56	425263	5.912	ug/L	97
31) Carbon tetrachloride	7.64	117	388393	5.328	ug/L	97
33) Benzene	7.91	78	1128252	5.096	ug/L	100
34) Trichloroethene	8.71	95	287554	5.099	ug/L	95
35) Methylcyclohexane	8.95	83	428253	5.839	ug/L	100
37) 1,2-Dichloropropane	9.00	63	228642	4.924	ug/L	100
38) Bromodichloromethane	9.28	83	270871	5.228	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	283091	5.393	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	684316	52.156	ug/L	98
42) Toluene	10.04	91	1217330	5.278	ug/L	99
44) trans-1,3-Dichloropropene	10.27	75	190846	5.450	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	100582	5.018	ug/L	98
47) Tetrachloroethene	10.51	164	212740	5.522	ug/L	95
48) 2-Hexanone	10.63	43	459109	51.888	ug/L	99
49) Dibromochloromethane	10.79	129	126937	5.347	ug/L	97
50) 1,2-Dibromoethane	10.89	107	89667	5.277	ug/L	91
51) Chlorobenzene	11.32	112	649382	5.068	ug/L	100
52) Ethylbenzene	11.39	91	1400227	5.353	ug/L	99
53) m,p-Xylene	11.50	106	514122	5.414	ug/L	95
54) o-Xylene	11.83	106	472378	5.451	ug/L	93
55) Styrene	11.84	104	727452	5.401	ug/L	97
56) Isopropylbenzene	12.13	105	1339825	5.725	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	91537	4.728	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	69957	4.799	ug/L	96
61) Bromoform	12.01	173	47373	4.872	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	387217	5.202	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	400917	4.897	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	312028	4.995	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10826	4.672	ug/L #	67
67) 1,3,5-Trichlorobenzene	14.29	180	246438	5.315	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	143064	5.527	ug/L	98
69) Naphthalene	15.01	128	141947	5.198	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	103066	5.689	ug/L	98

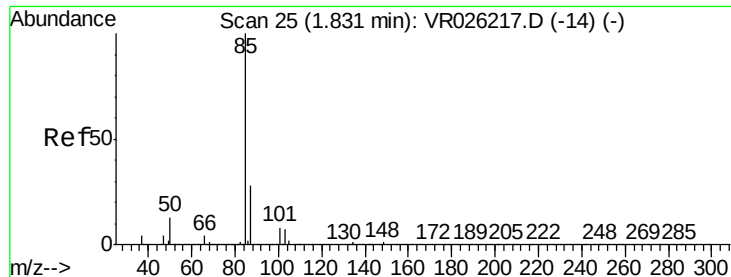
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.595 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

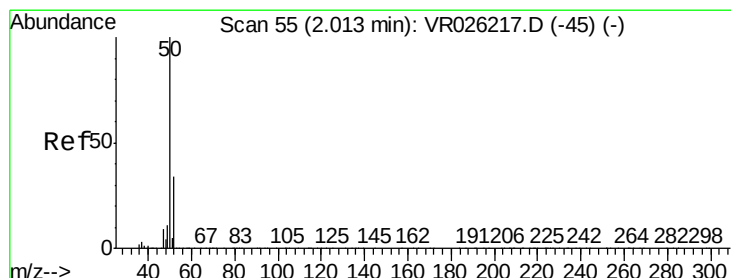
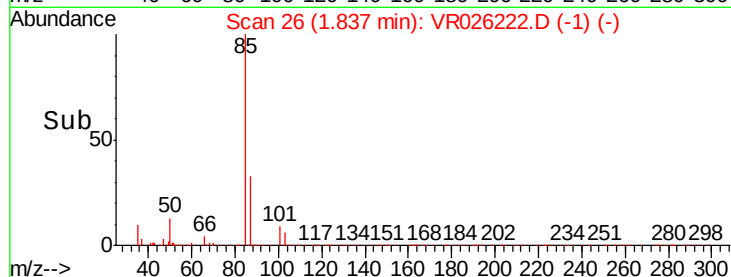
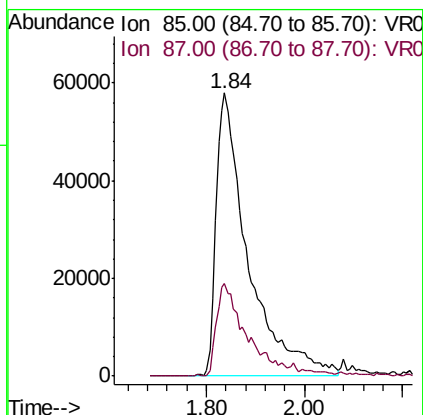
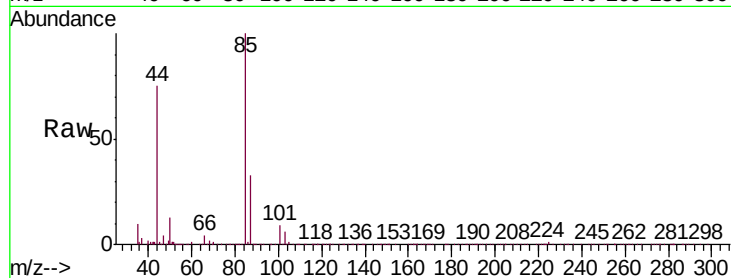
VSTD00586

Tgt Ion: 85 Resp: 262151

Ion Ratio Lower Upper

85 100

87 29.8 23.4 35.2



#3

Chloromethane

Concen: 4.252 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026222.D

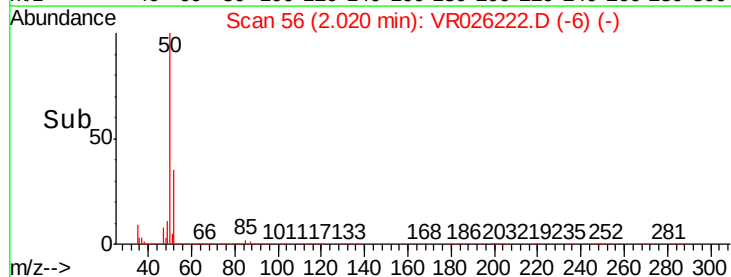
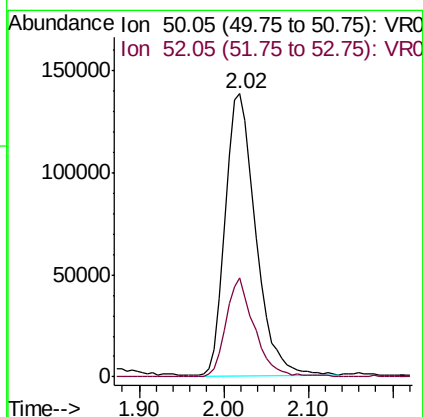
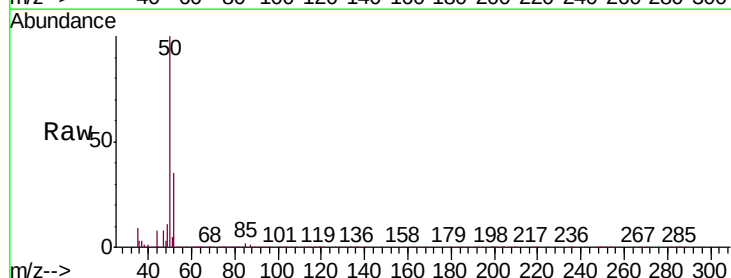
Acq: 19 Nov 2018 13:51

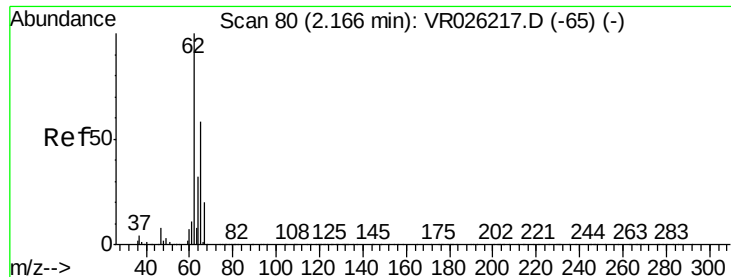
Tgt Ion: 50 Resp: 341617

Ion Ratio Lower Upper

50 100

52 35.1 23.4 43.6





#5

Vinyl chloride

Concen: 4.209 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

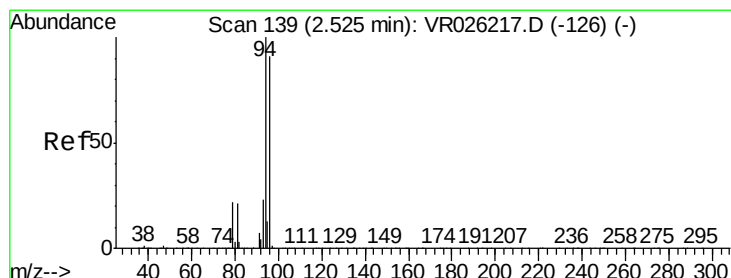
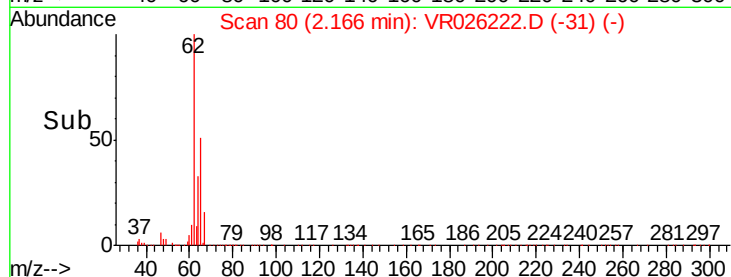
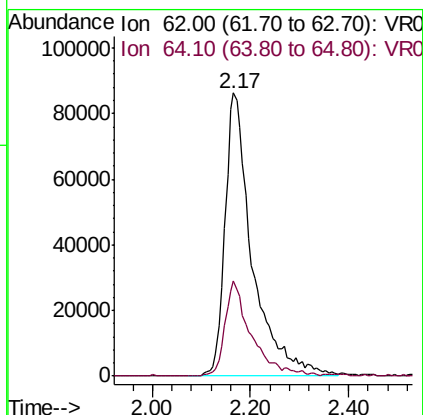
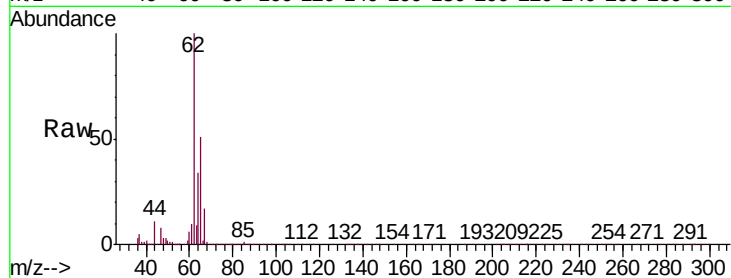
VSTD00586

Tgt Ion: 62 Resp: 333499

Ion Ratio Lower Upper

62 100

64 33.6 22.5 41.7



#6

Bromomethane

Concen: 4.215 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026222.D

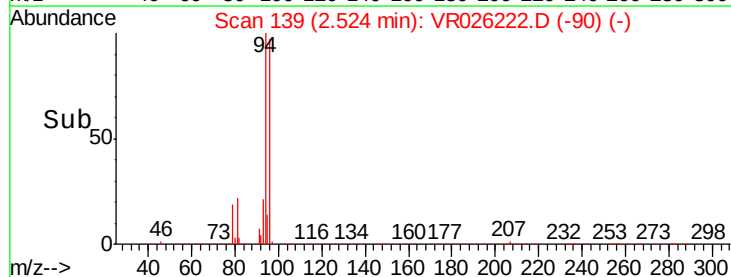
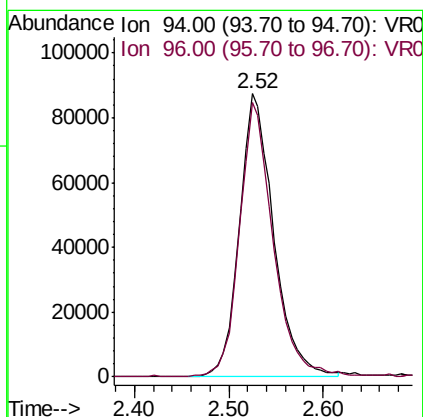
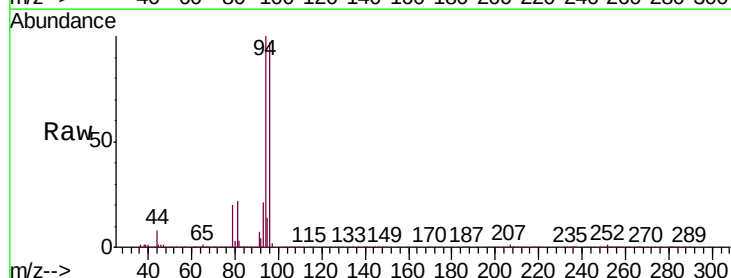
Acq: 19 Nov 2018 13:51

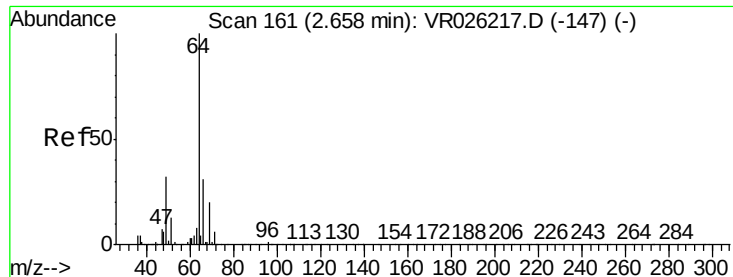
Tgt Ion: 94 Resp: 222263

Ion Ratio Lower Upper

94 100

96 97.0 63.4 117.8





#8

Chloroethane

Concen: 4.083 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

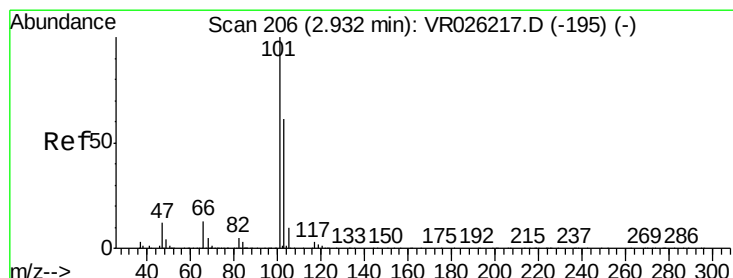
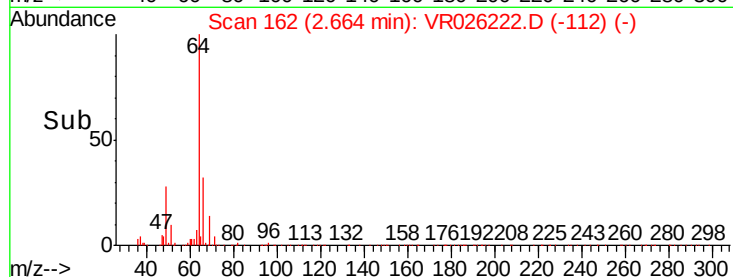
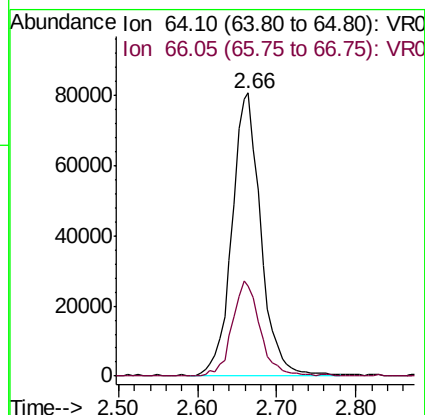
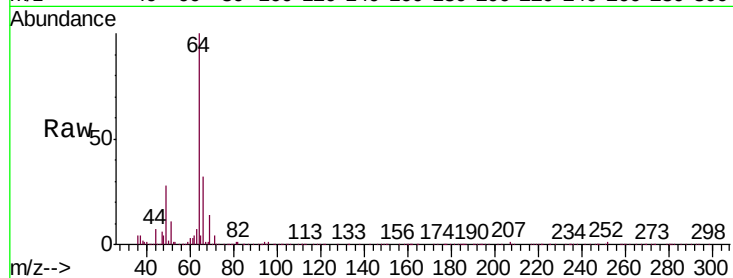
VSTD00586

Tgt Ion: 64 Resp: 204408

Ion Ratio Lower Upper

64 100

66 32.1 21.4 39.8



#9

Trichlorofluoromethane

Concen: 2.063 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026222.D

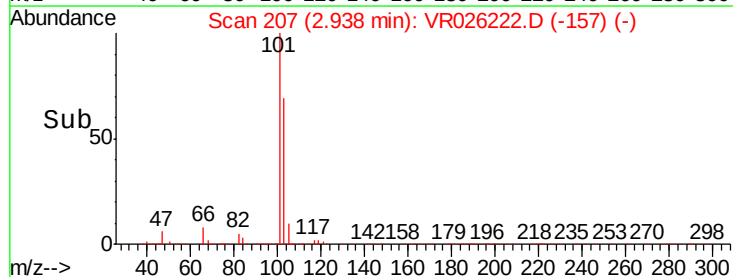
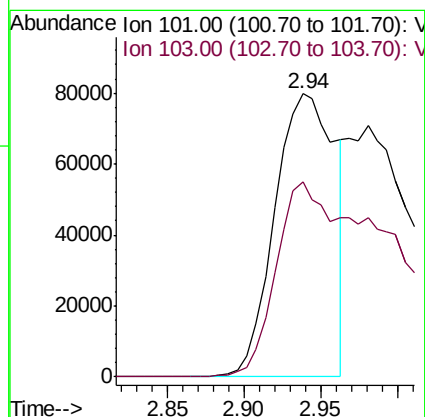
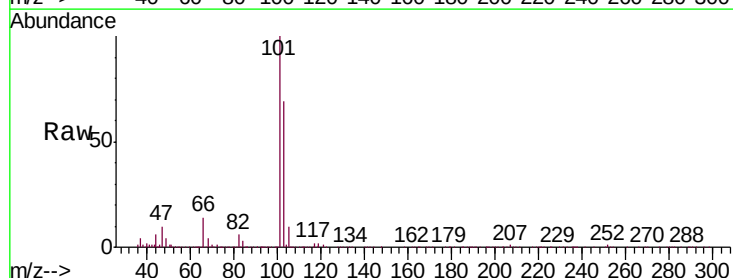
Acq: 19 Nov 2018 13:51

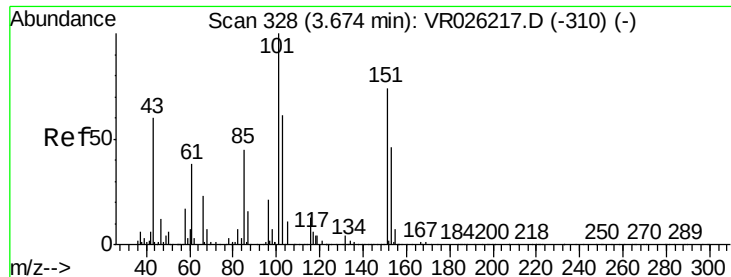
Tgt Ion: 101 Resp: 219648

Ion Ratio Lower Upper

101 100

103 144.8 25.8 38.8#





#10

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

Concen: 4.397 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026222.D

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Instrument :

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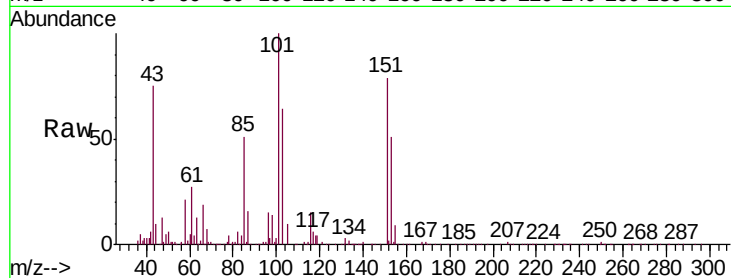
Tgt Ion: 101 Resp: 268926

Ion Ratio Lower Upper

101 100

85 48.1 37.9 56.9

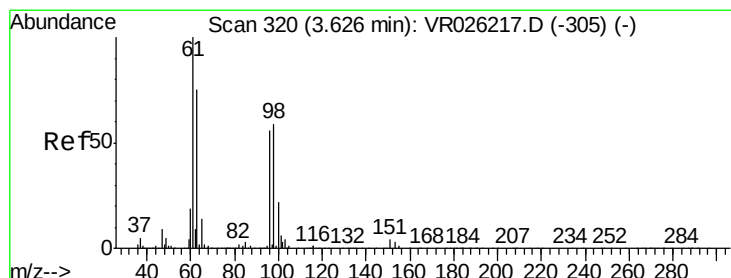
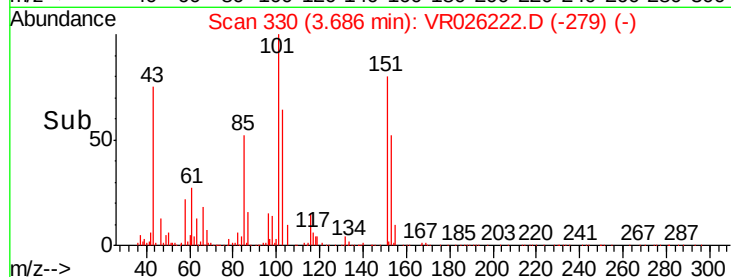
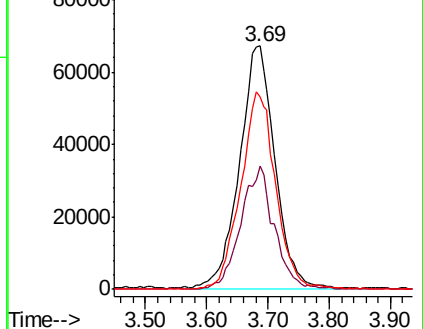
151 80.6 63.2 94.8



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: 4.122 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

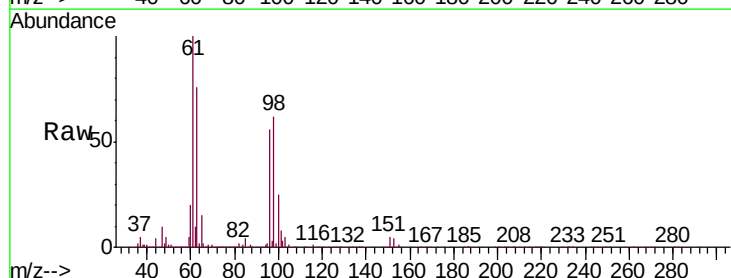
Tgt Ion: 96 Resp: 297519

Ion Ratio Lower Upper

96 100

61 178.3 125.5 233.1

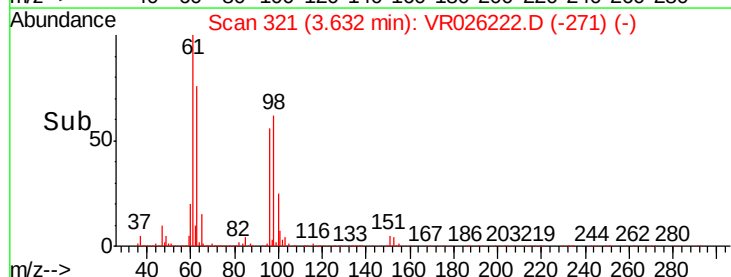
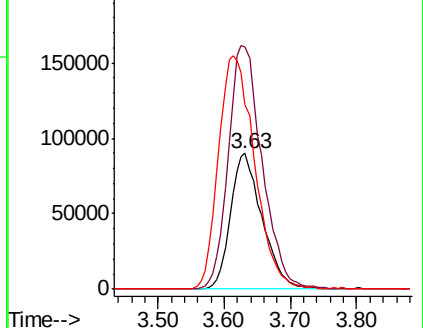
63 136.4 93.7 174.1

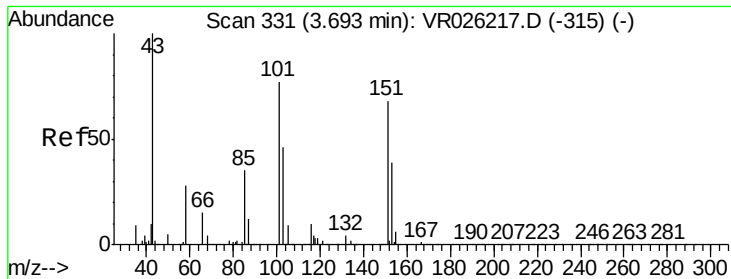


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 43.288 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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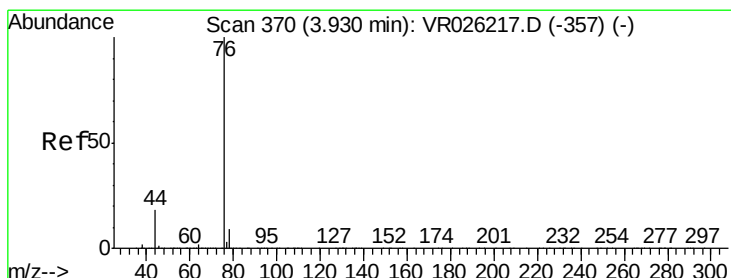
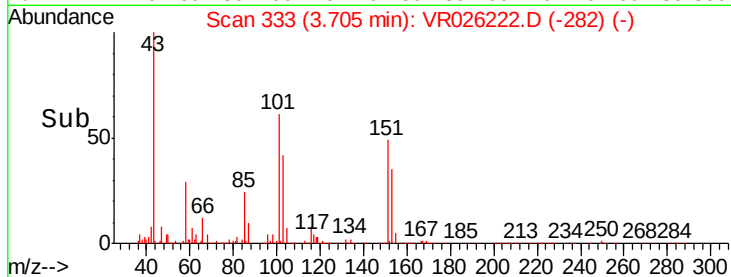
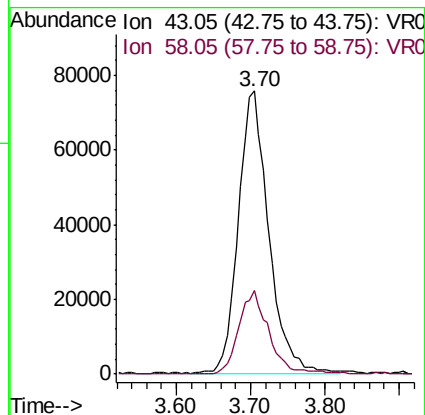
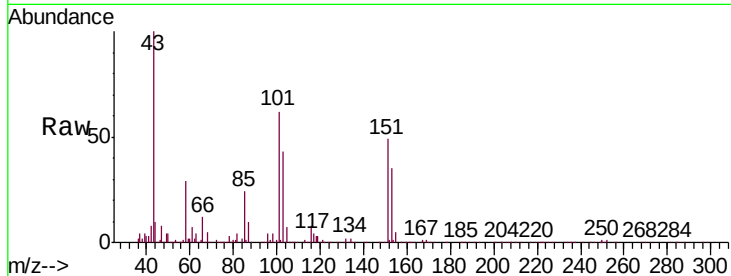
VSTD00586

Tgt Ion: 43 Resp: 216745

Ion Ratio Lower Upper

43 100

58 29.1 0.0 58.6



#14

Carbon disulfide

Concen: 4.417 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026222.D

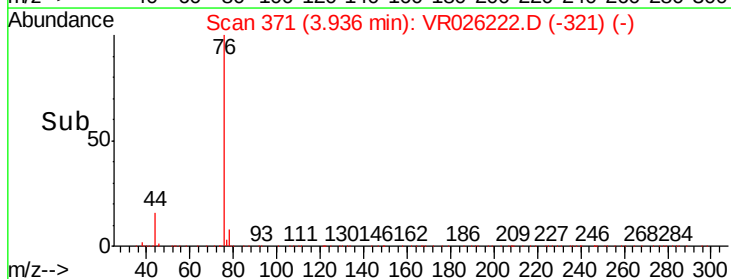
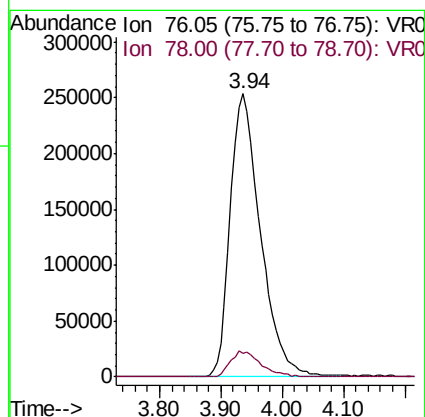
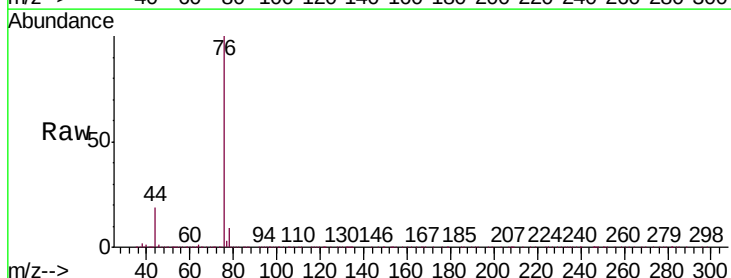
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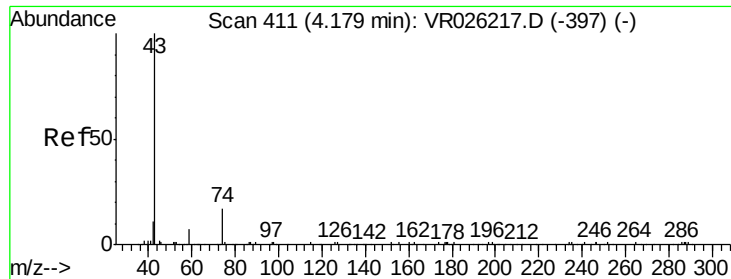
Tgt Ion: 76 Resp: 867649

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6

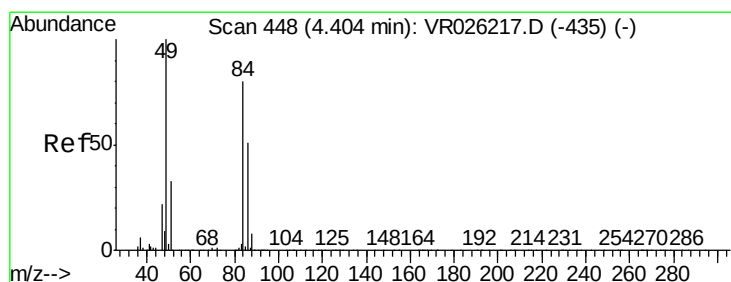
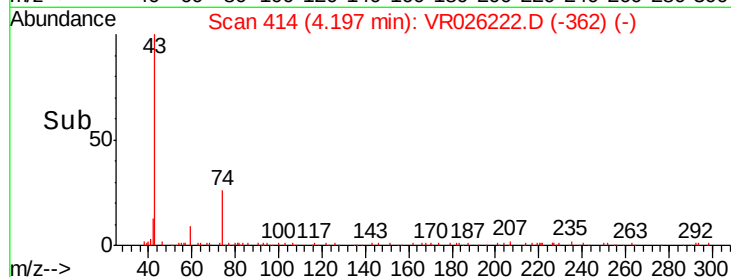
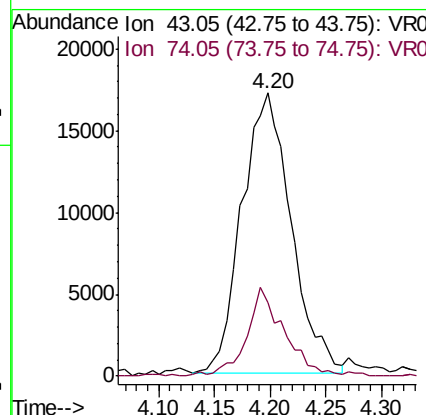
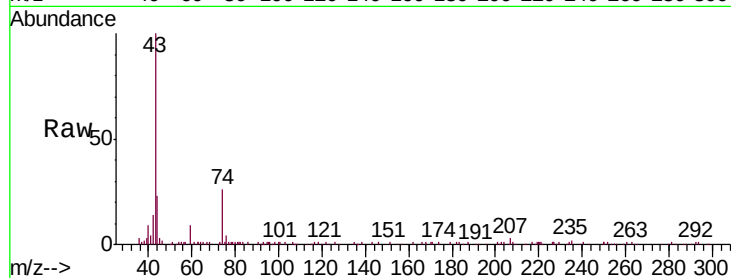




#15
Methyl Acetate
Concen: 4.027 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.02 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

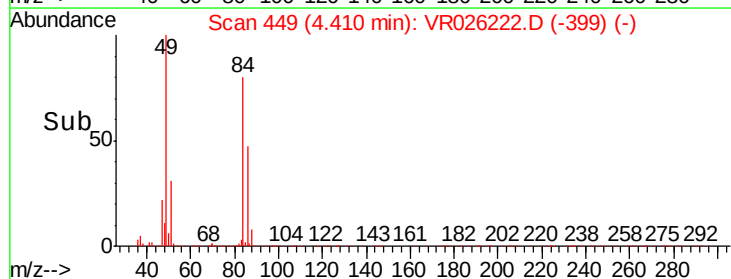
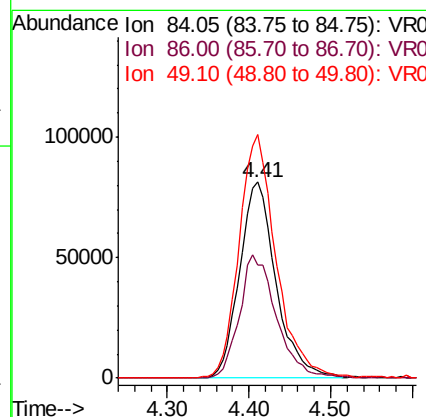
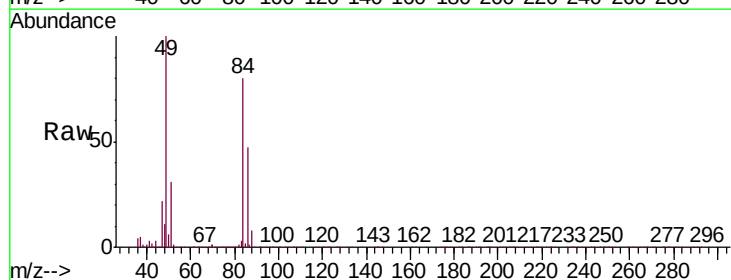
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

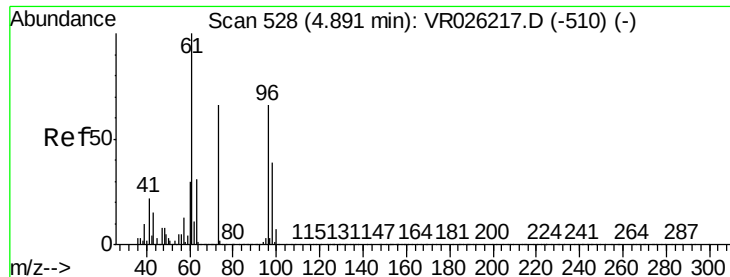
Tgt Ion: 43 Resp: 52435
Ion Ratio Lower Upper
43 100
74 24.2 17.8 26.6



#16
Methylene chloride
Concen: 4.136 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion: 84 Resp: 251617
Ion Ratio Lower Upper
84 100
86 58.0 45.1 83.9
49 124.4 87.9 163.3





#17

Methyl tert-butyl Ether

Concen: 5.129 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

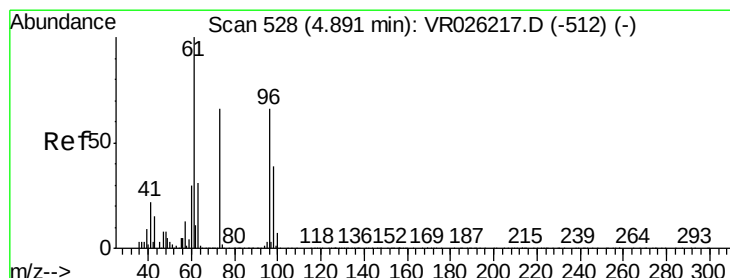
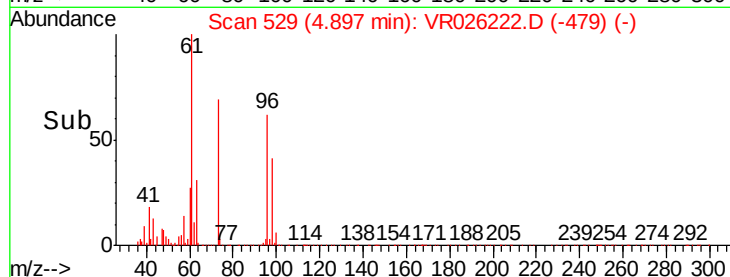
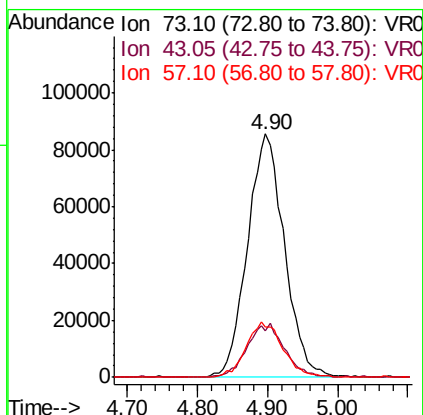
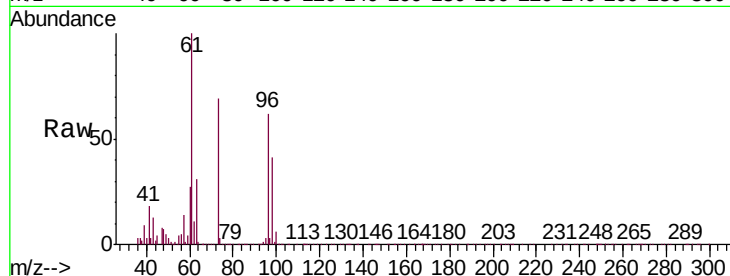
Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :
MSVOA_R
ClientSampled :
VSTD00586

Tgt Ion: 73 Resp: 313099

Ion	Ratio	Lower	Upper
73	100		
43	22.5	19.1	28.7
57	22.7	18.9	28.3



#18

trans-1,2-Dichloroethene

Concen: 4.913 ug/L

RT: 4.88 min Scan# 527

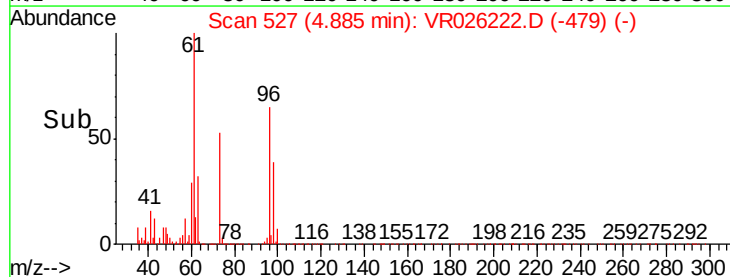
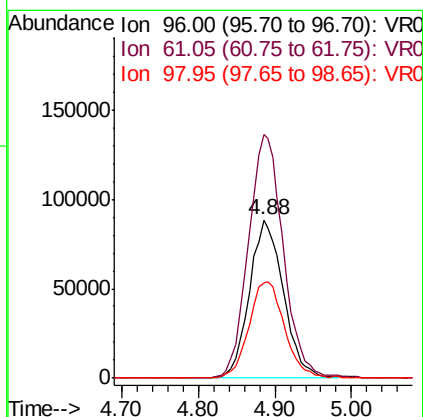
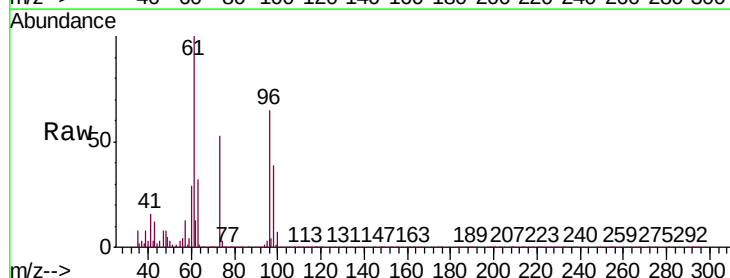
Delta R.T. -0.01 min

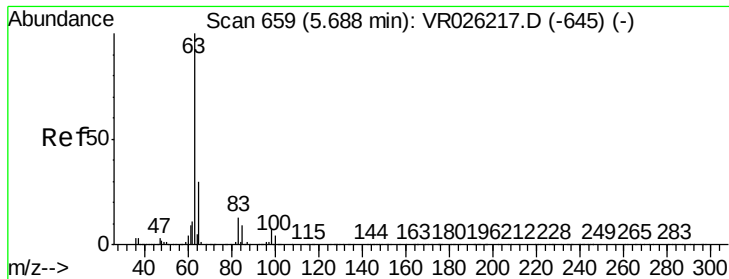
Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Tgt Ion: 96 Resp: 273497

Ion	Ratio	Lower	Upper
96	100		
61	154.0	105.6	196.2
98	60.5	41.5	77.1

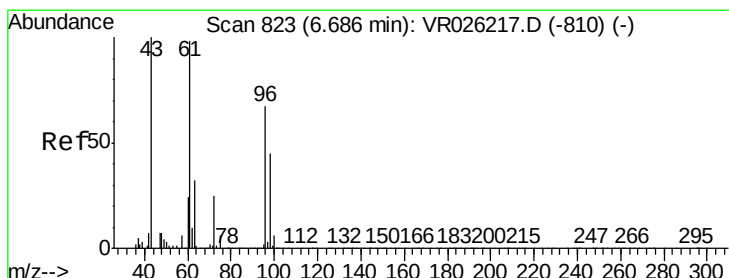
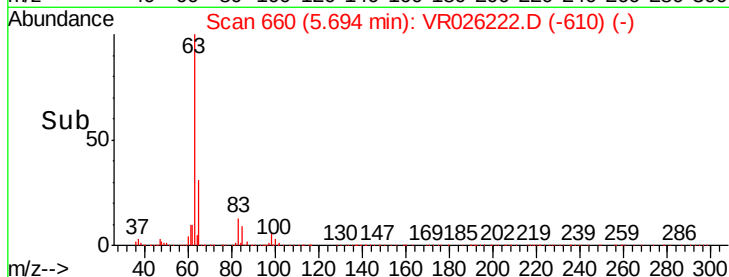
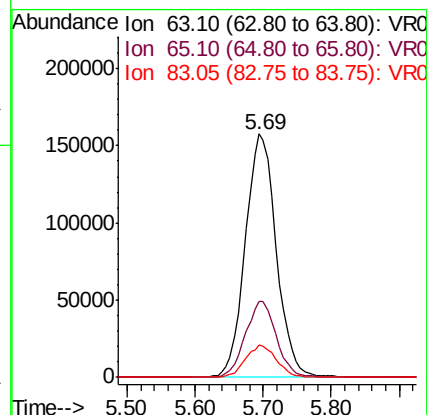
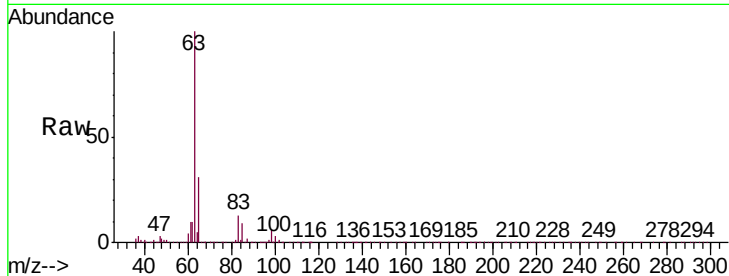




#19
 1,1-Dichloroethane
 Concen: 4.881 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

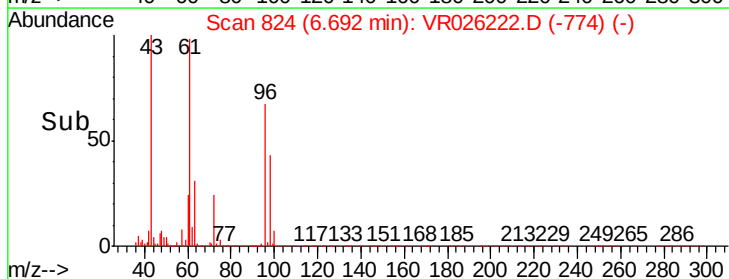
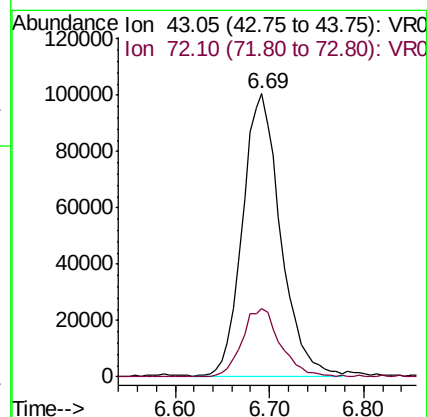
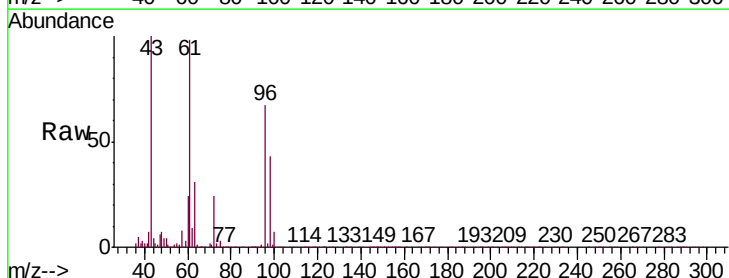
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

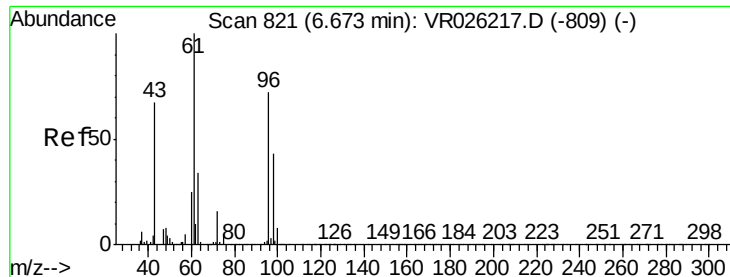
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	20.9	38.7
83	13.1	9.1	16.9



#21
 2-Butanone
 Concen: 49.404 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.3	11.9	35.9





#22

cis-1,2-Dichloroethene

Concen: 5.165 ug/L

RT: 6.68 min Scan# 822

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

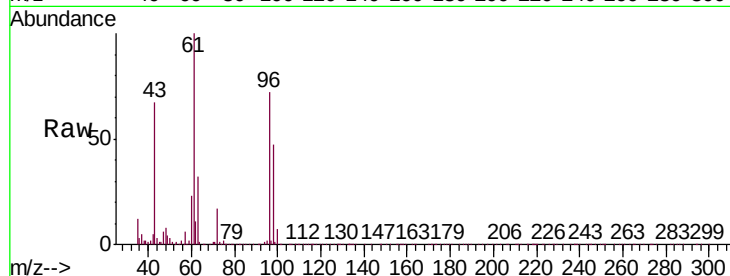
Tgt Ion: 96 Resp: 254320

Ion Ratio Lower Upper

96 100

61 139.3 97.4 180.8

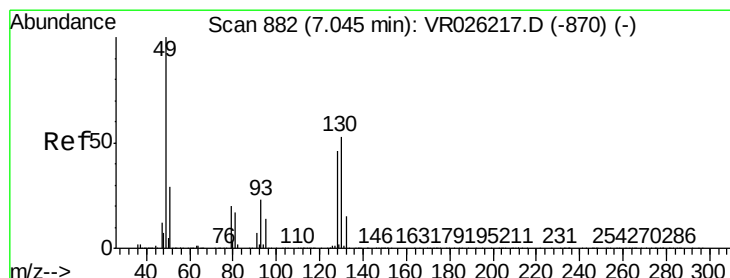
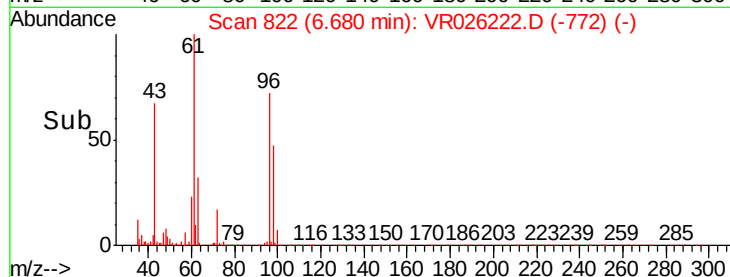
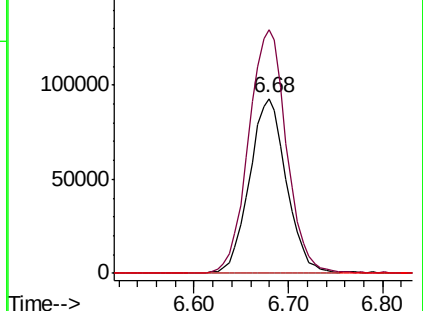
68 0.3 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#23

Bromochloromethane

Concen: 4.798 ug/L

RT: 7.06 min Scan# 884

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Tgt Ion: 128 Resp: 72146

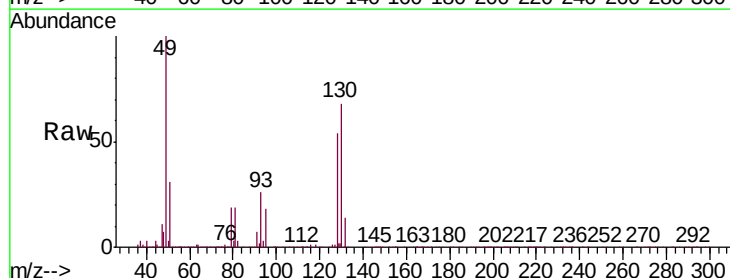
Ion Ratio Lower Upper

128 100

49 186.2 151.1 280.5

130 126.3 80.5 149.5

51 57.9 50.6 75.8

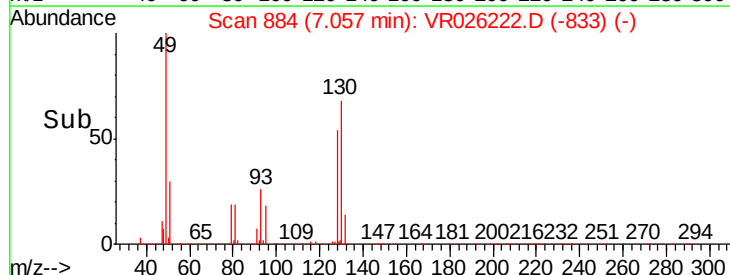
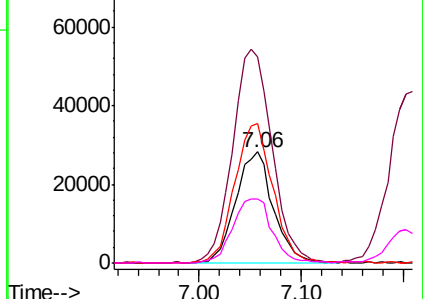


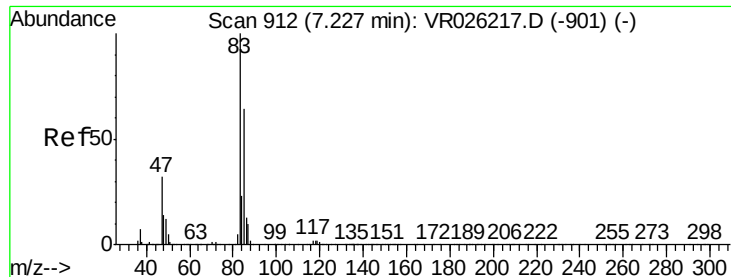
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0

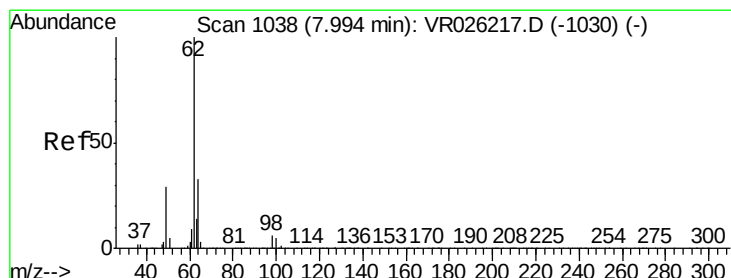
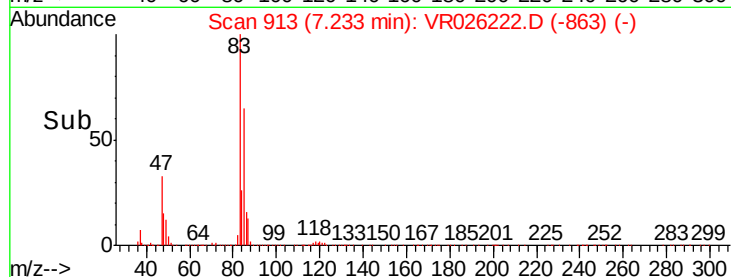
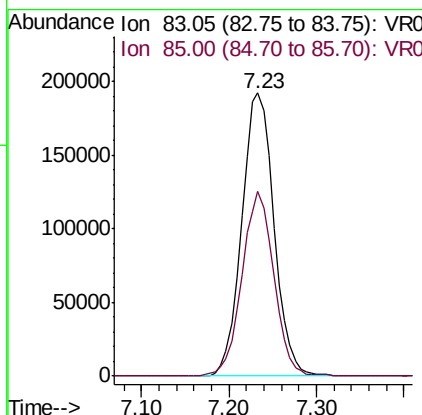
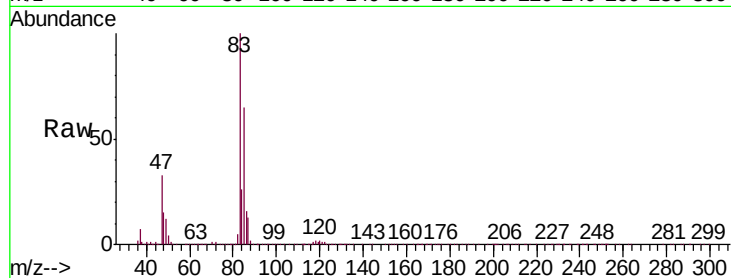




#25
Chloroform
Concen: 4.913 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

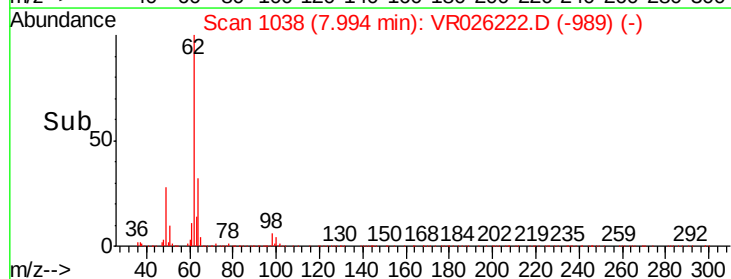
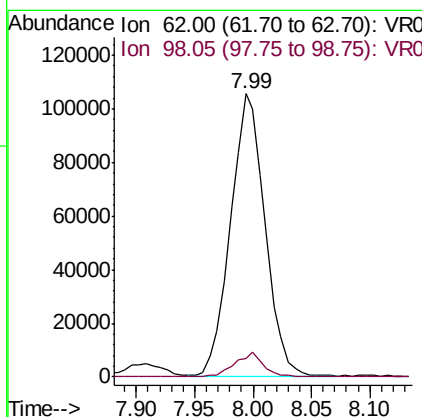
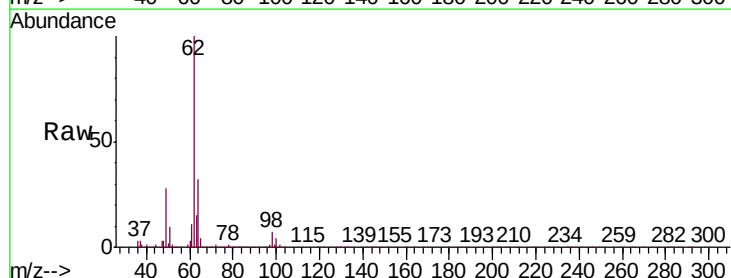
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

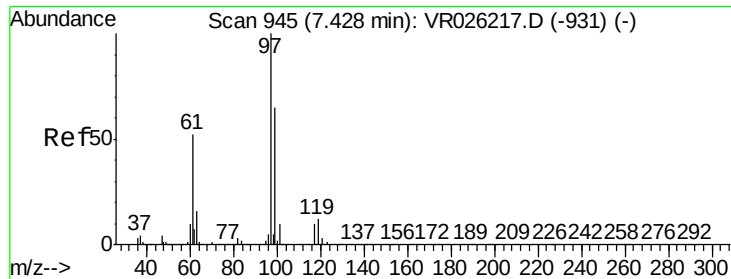
Tgt Ion: 83 Resp: 489032
Ion Ratio Lower Upper
83 100
85 65.3 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.670 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion: 62 Resp: 215780
Ion Ratio Lower Upper
62 100
98 6.5 5.0 7.6

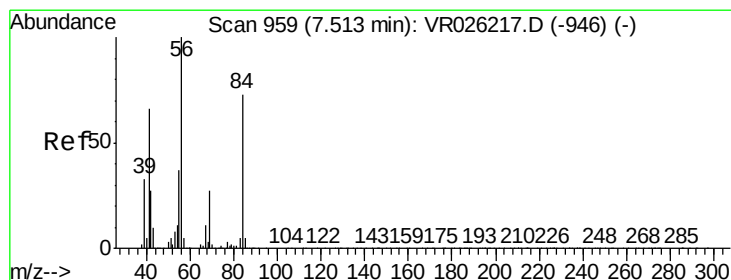
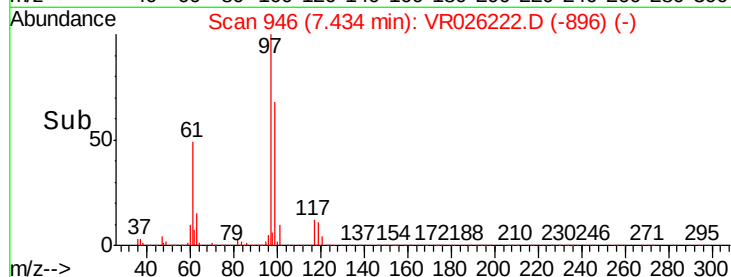
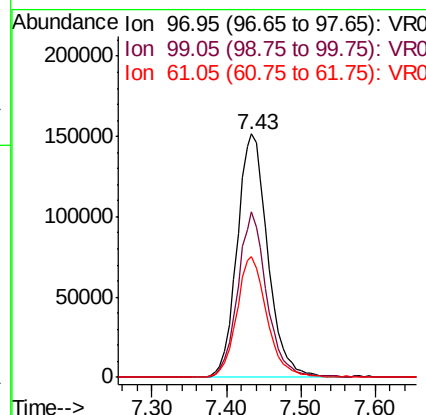
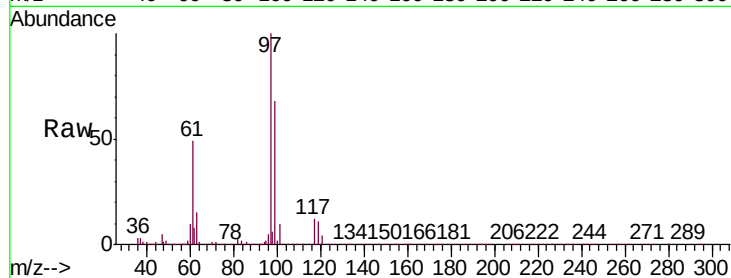




#29
1,1,1-Trichloroethane
Concen: 5.297 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

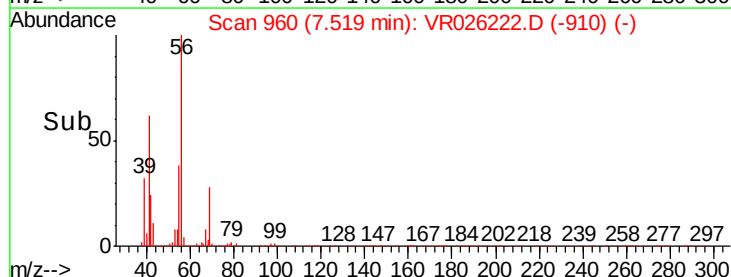
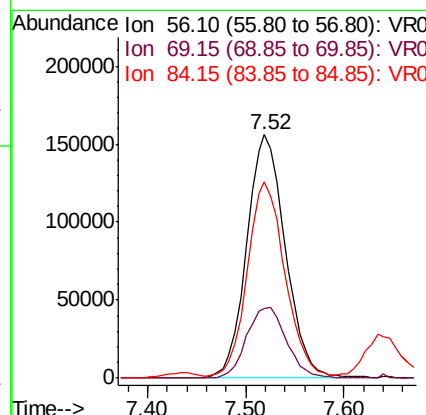
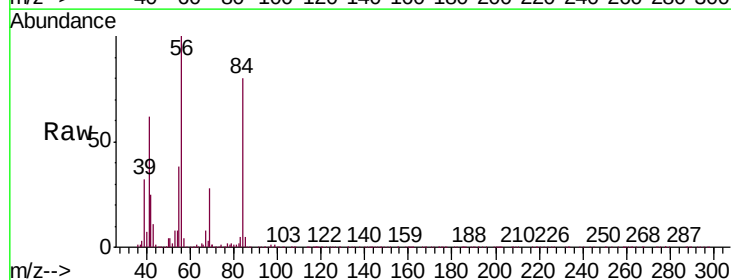
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

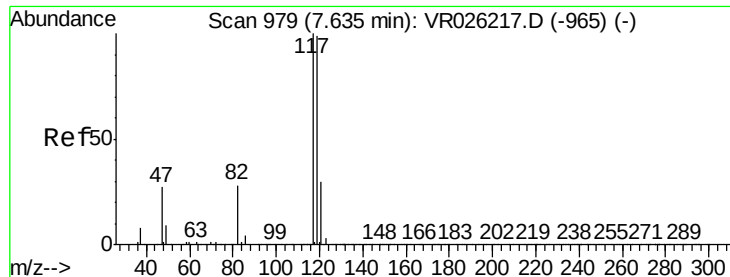
Tgt Ion: 97 Resp: 434926
Ion Ratio Lower Upper
97 100
99 64.1 52.2 78.2
61 49.1 41.6 62.4



#30
Cyclohexane
Concen: 5.912 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion: 56 Resp: 425263
Ion Ratio Lower Upper
56 100
69 30.0 23.0 34.6
84 79.1 60.8 91.2





#31

Carbon tetrachloride

Concen: 5.328 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

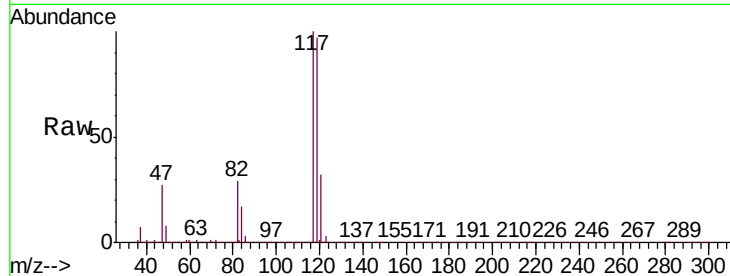
VSTD00586

Tgt Ion:117 Resp: 388393

Ion Ratio Lower Upper

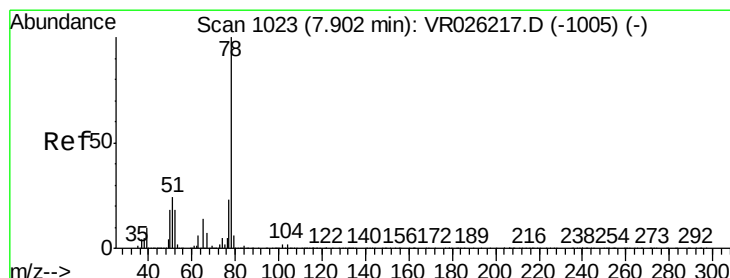
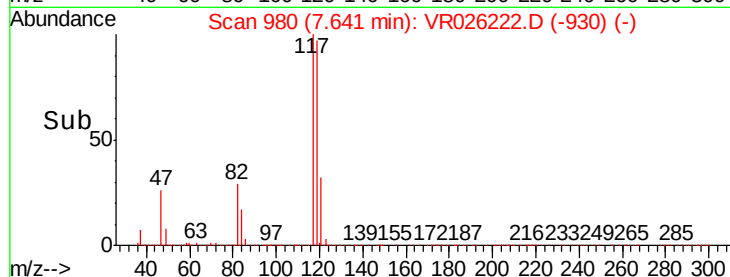
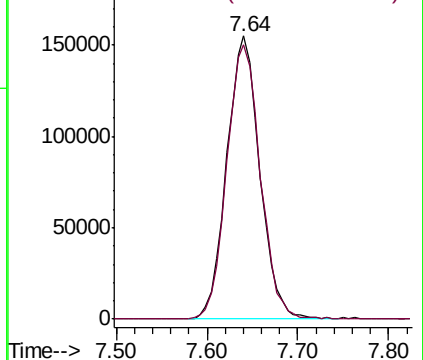
117 100

119 98.8 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: 5.096 ug/L

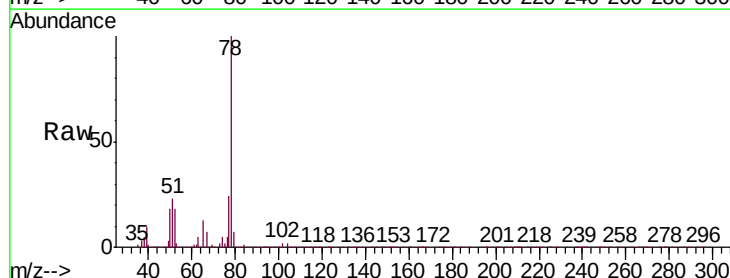
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

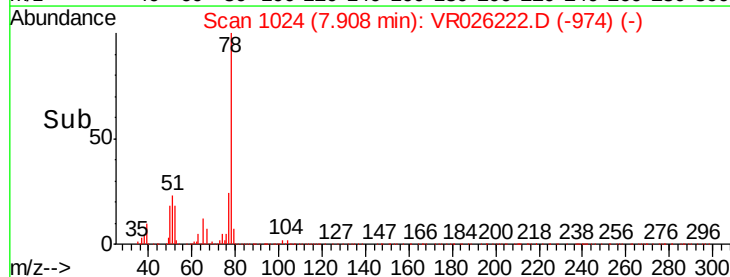
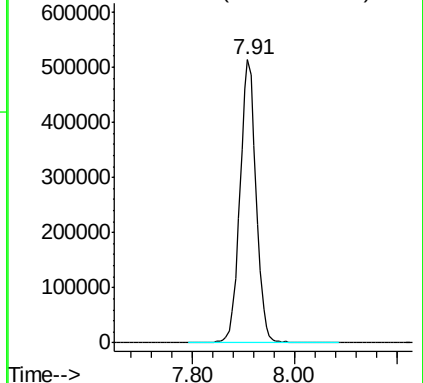
Lab File: VR026222.D

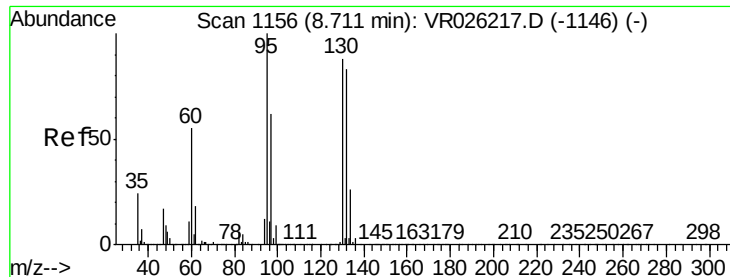
Acq: 19 Nov 2018 13:51

Tgt Ion: 78 Resp: 1128252



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 5.099 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

Tgt Ion: 95 Resp: 287554

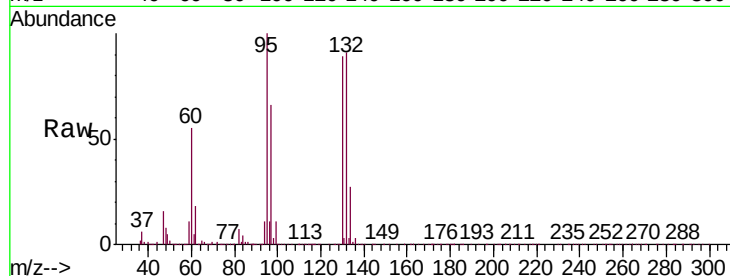
Ion Ratio Lower Upper

95 100

97 66.4 43.5 80.7

132 90.6 58.0 107.6

130 88.7 61.5 114.3

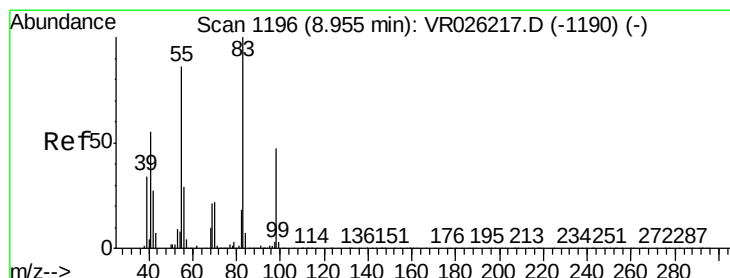
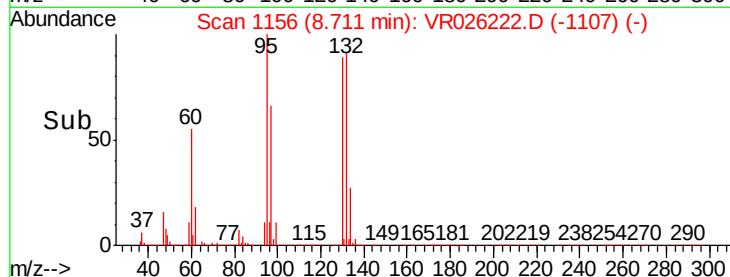
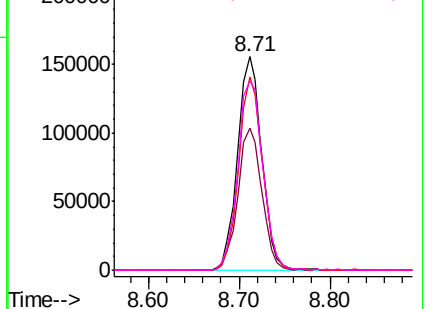


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.839 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

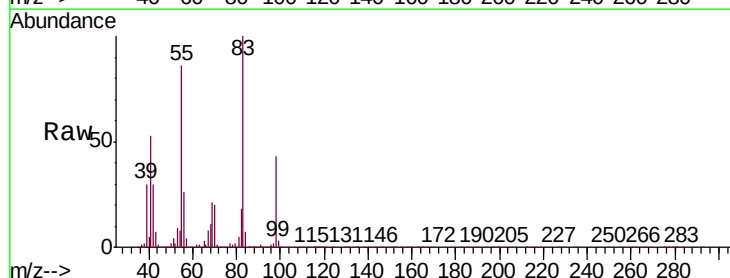
Tgt Ion: 83 Resp: 428253

Ion Ratio Lower Upper

83 100

55 84.4 67.9 101.9

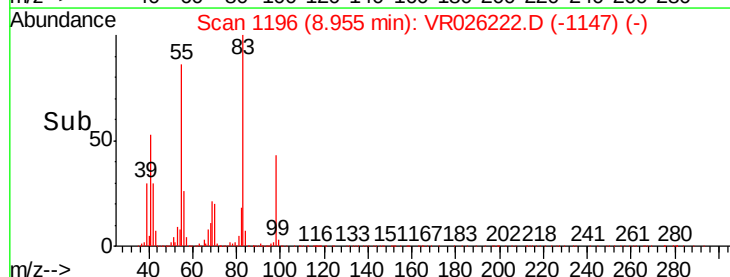
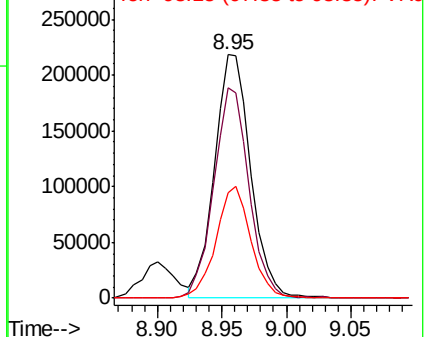
98 44.7 35.8 53.6

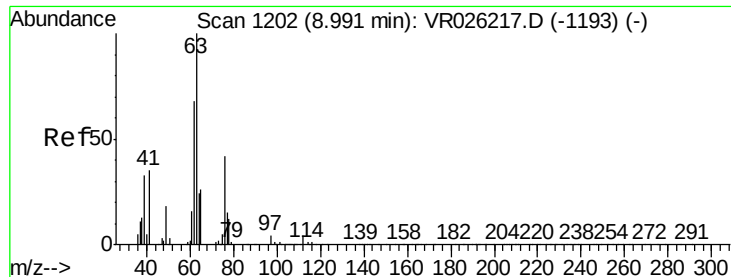


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

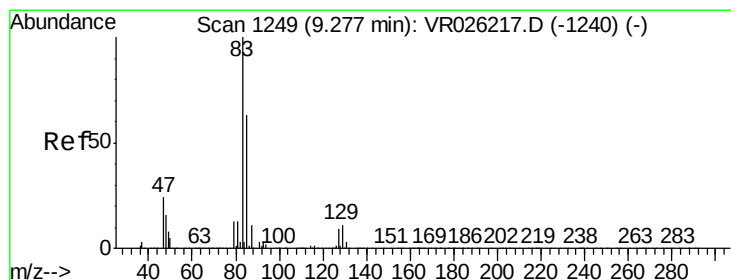
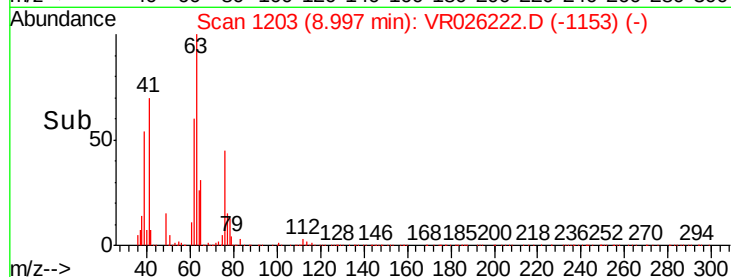
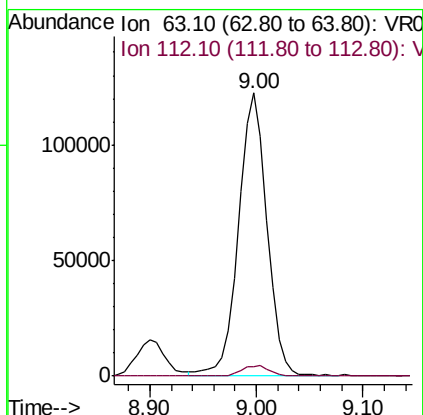
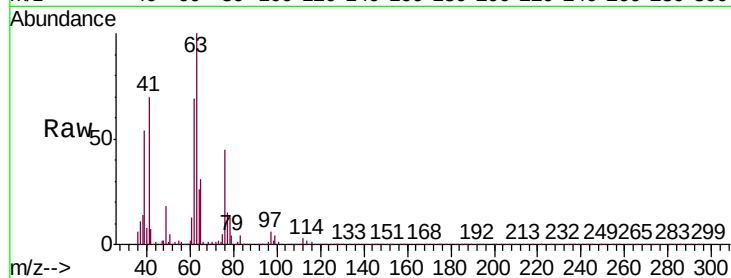




#37
1,2-Dichloropropane
Concen: 4.924 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

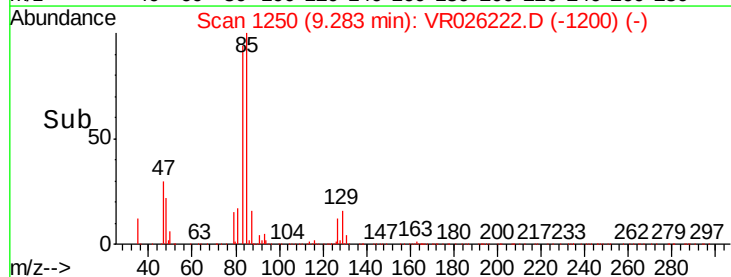
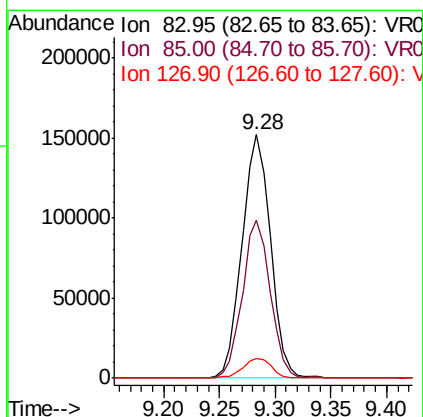
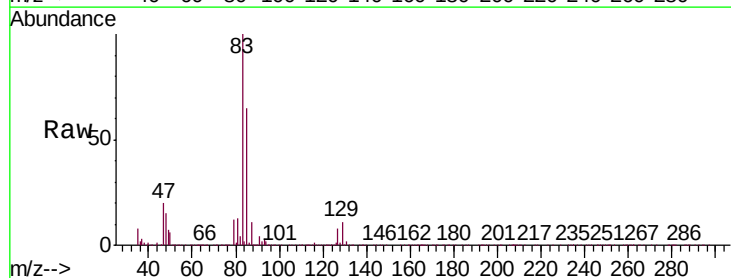
Instrument :
MSVOA_R
ClientSampled :
VSTD00586

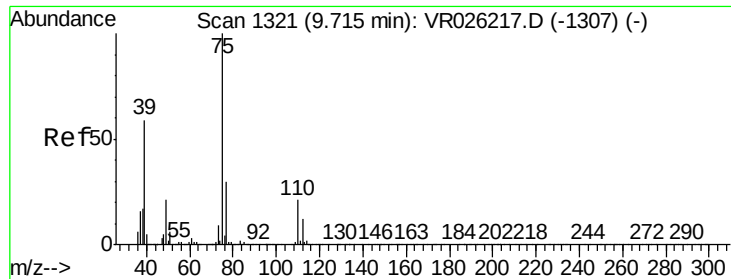
Tgt Ion: 63 Resp: 228642
Ion Ratio Lower Upper
63 100
112 3.5 2.8 4.2



#38
Bromodichloromethane
Concen: 5.228 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion: 83 Resp: 270871
Ion Ratio Lower Upper
83 100
85 64.8 44.4 82.4
127 7.9 6.9 10.3

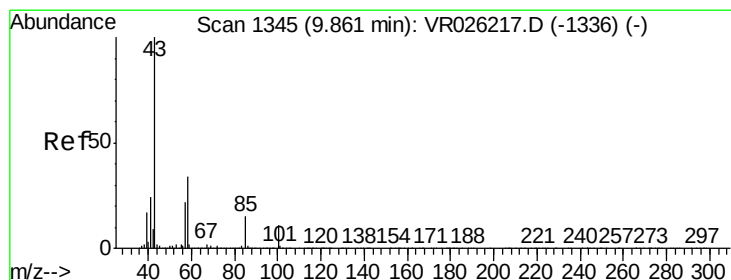
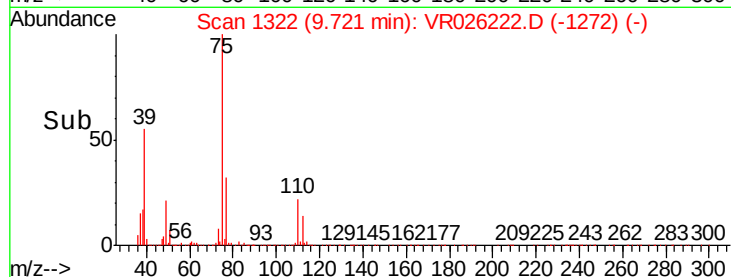
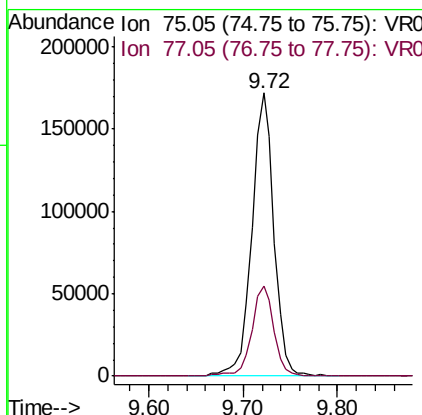
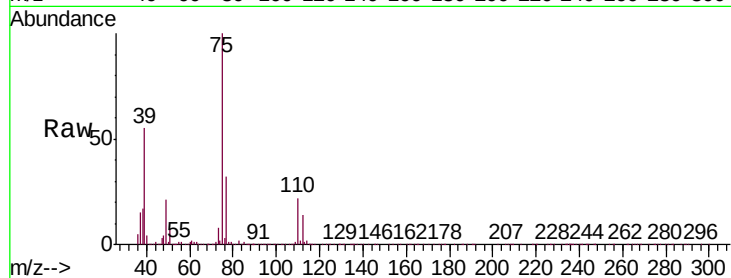




#39
 cis-1,3-Dichloroprene
 Concen: 5.393 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

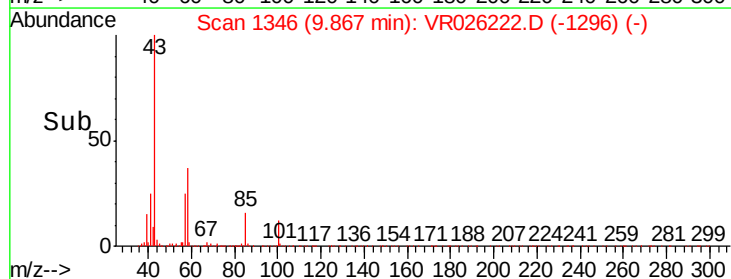
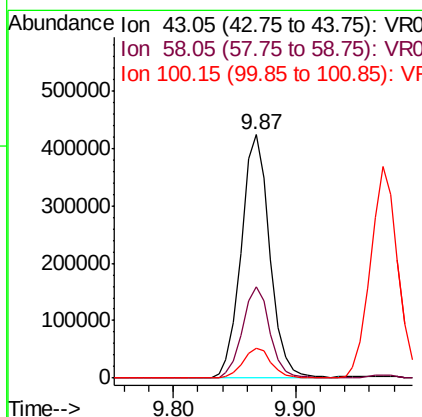
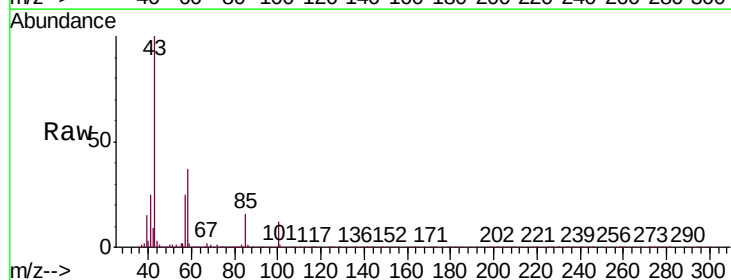
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

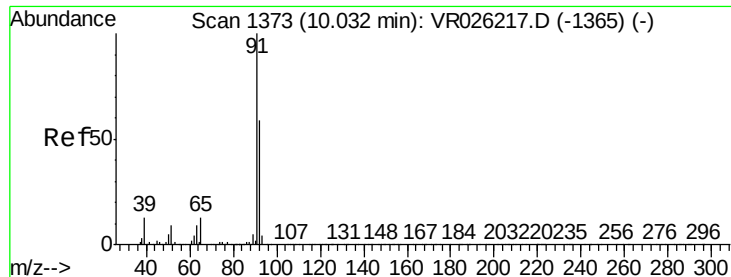
Tgt Ion: 75 Resp: 283091
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.7 38.5



#40
 4-Methyl-2-pentanone
 Concen: 52.156 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

Tgt Ion: 43 Resp: 684316
 Ion Ratio Lower Upper
 43 100
 58 36.2 27.8 41.6
 100 12.2 9.4 14.2





#42

Toluene

Concen: 5.278 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

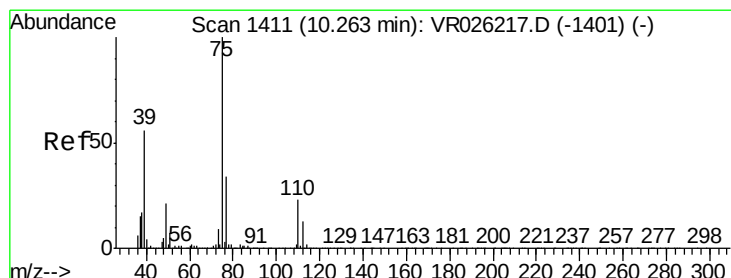
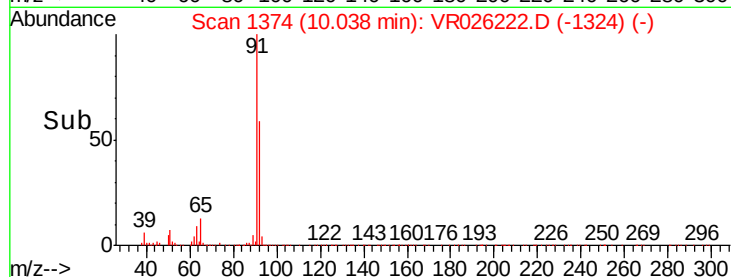
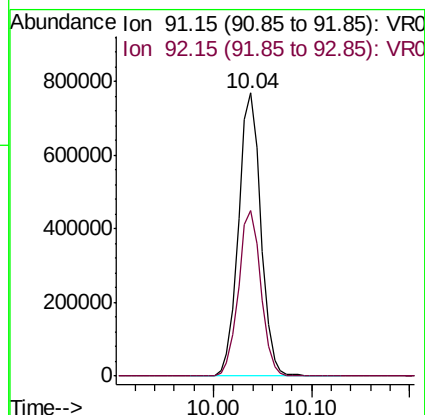
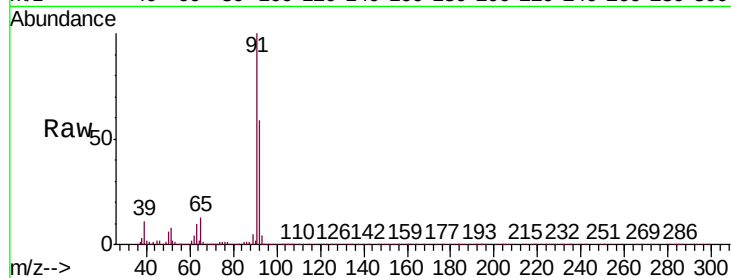
VSTD00586

Tgt Ion: 91 Resp: 1217330

Ion Ratio Lower Upper

91 100

92 58.7 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 5.450 ug/L

RT: 10.27 min Scan# 1412

Delta R.T. 0.01 min

Lab File: VR026222.D

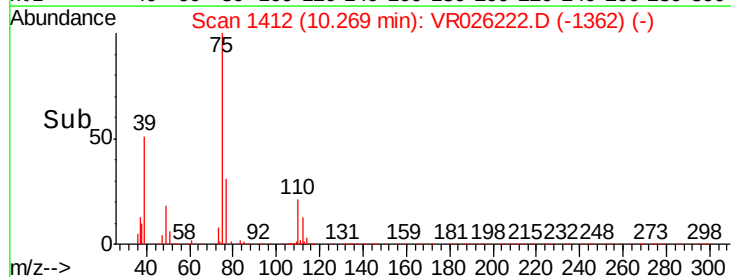
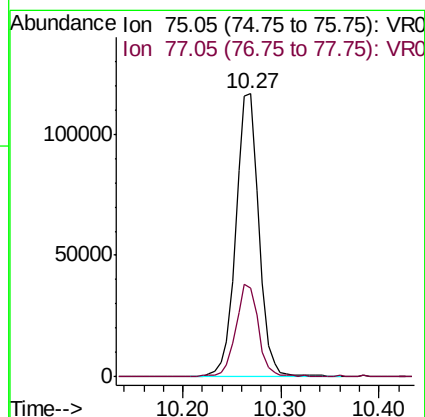
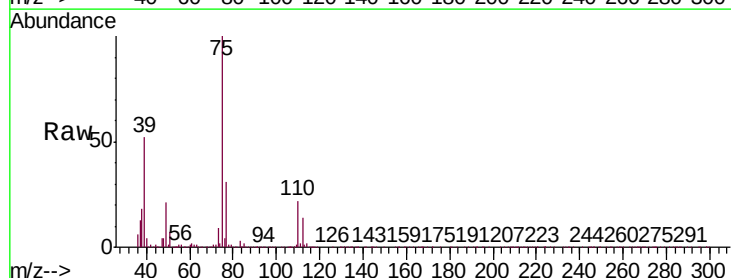
Acq: 19 Nov 2018 13:51

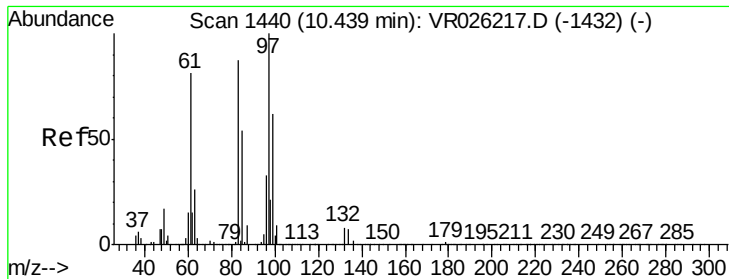
Tgt Ion: 75 Resp: 190846

Ion Ratio Lower Upper

75 100

77 31.2 23.7 44.1

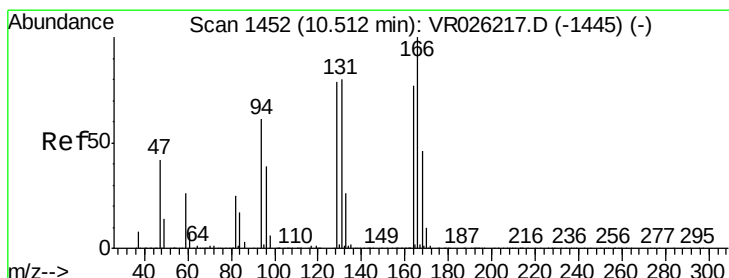
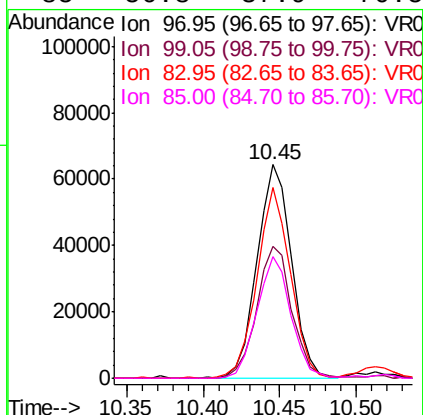
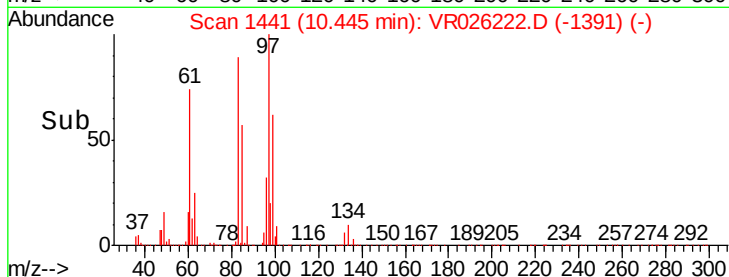
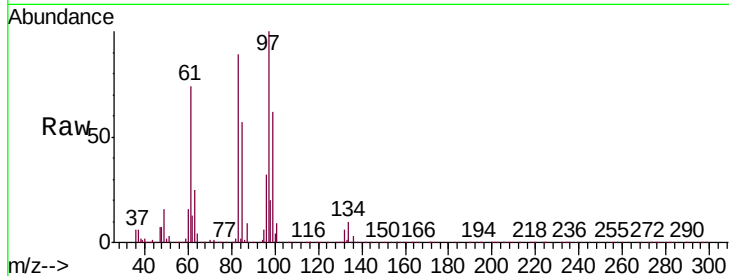




#45
 1,1,2-Trichloroethane
 Concen: 5.018 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

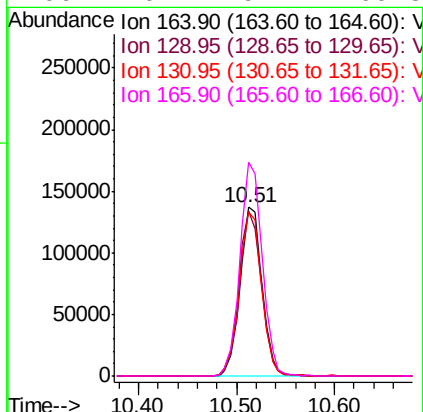
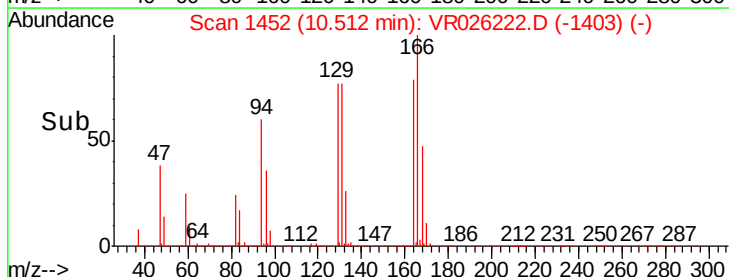
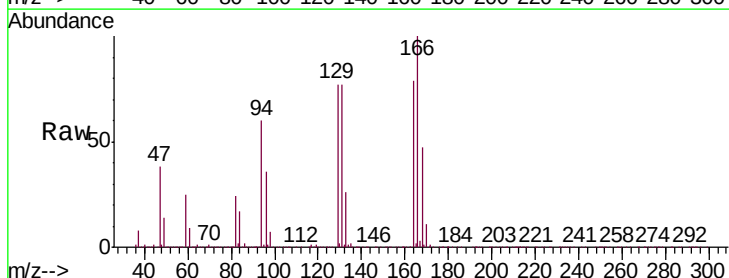
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00586

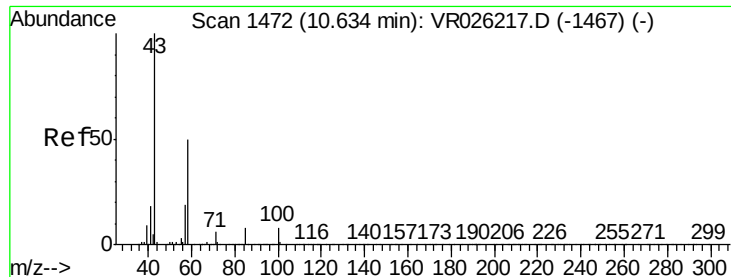
Tgt Ion:	97	Resp:	100582
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.0	80.0
83	89.2	61.0	113.2
85	56.8	37.9	70.5



#47
 Tetrachloroethene
 Concen: 5.522 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026222.D
 Acq: 19 Nov 2018 13:51

Tgt Ion:	164	Resp:	212740
Ion	Ratio	Lower	Upper
164	100		
129	97.8	72.3	134.3
131	97.2	73.4	136.2
166	126.7	91.4	169.8

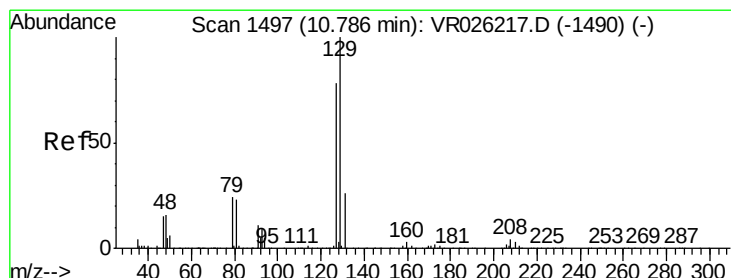
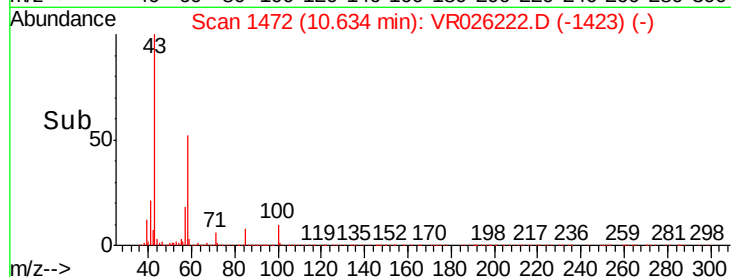
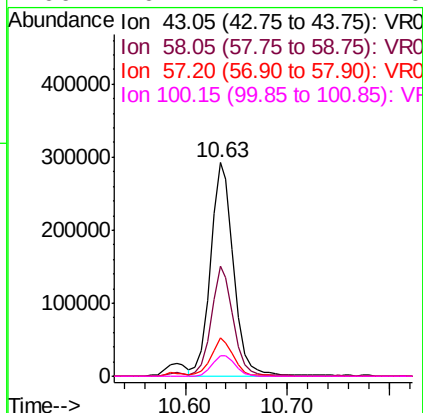
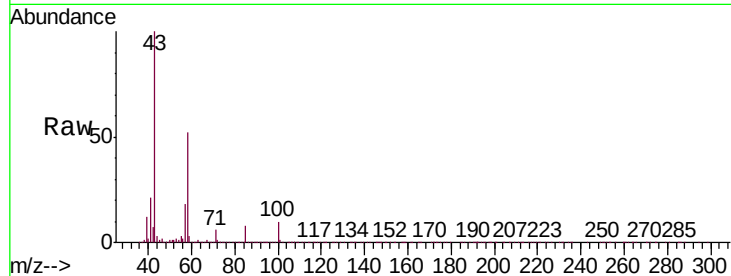




#48
2-Hexanone
Concen: 51.888 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

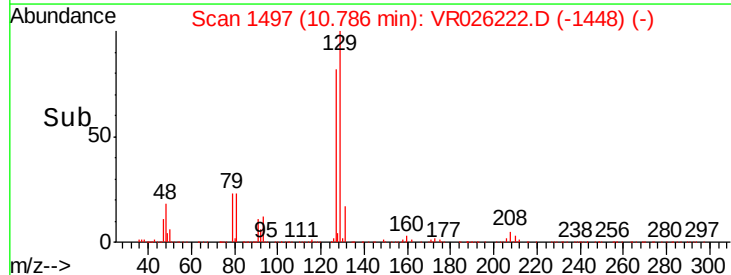
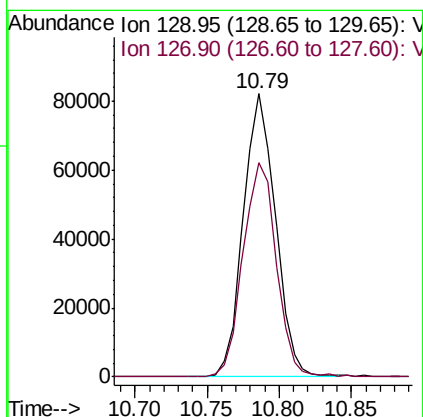
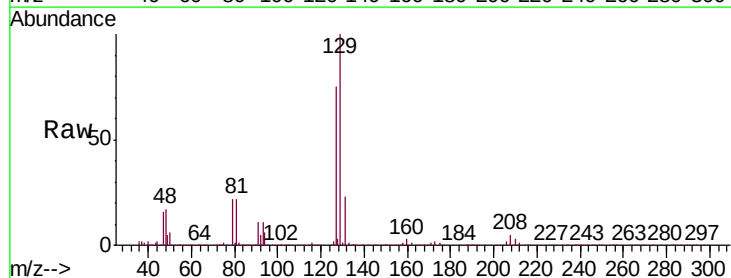
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

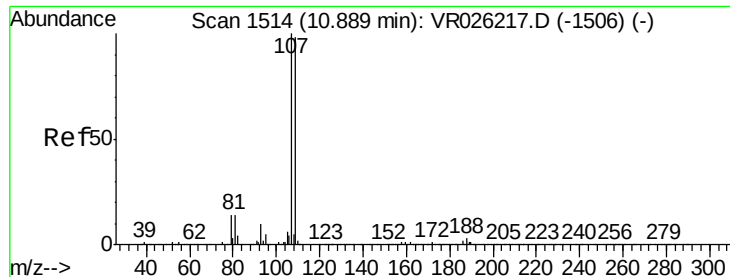
Tgt Ion:	43	Resp:	459109
Ion	Ratio	Lower	Upper
43	100		
58	49.3	40.0	60.0
57	17.6	14.6	21.8
100	10.2	7.4	11.0



#49
Dibromochloromethane
Concen: 5.347 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion:	129	Resp:	126937
Ion	Ratio	Lower	Upper
129	100		
127	75.5	54.7	101.7

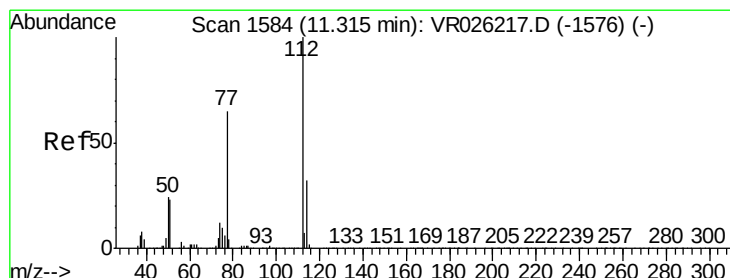
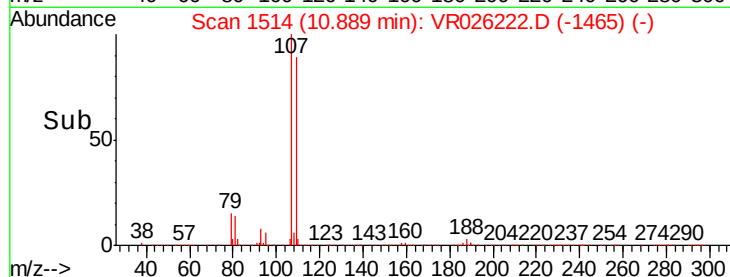
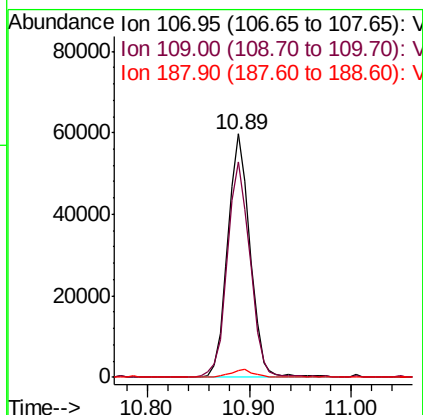
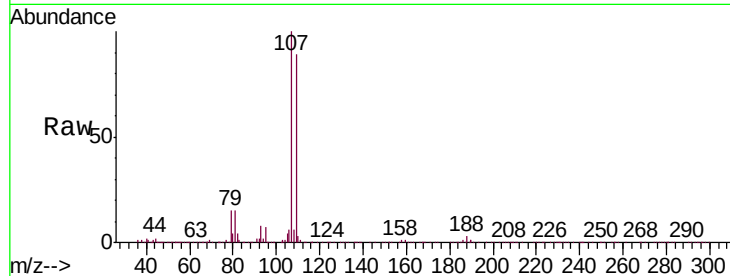




#50
1,2-Dibromoethane
Concen: 5.277 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

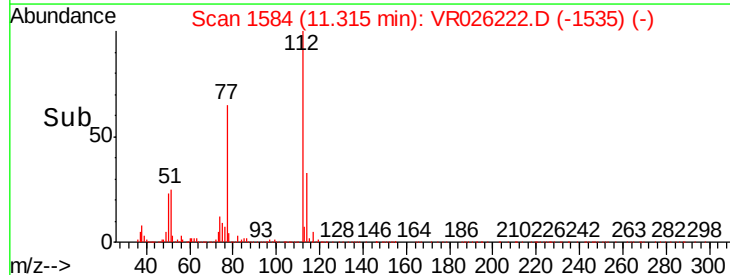
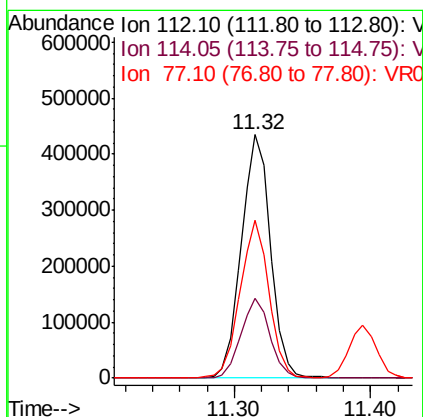
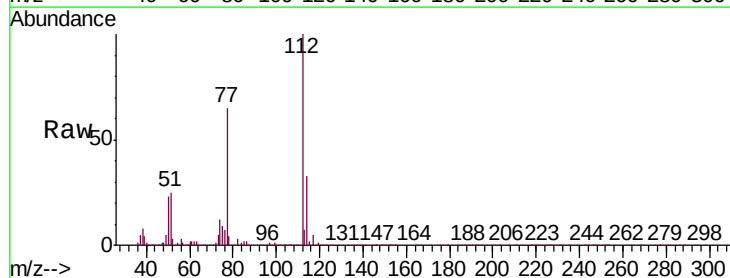
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

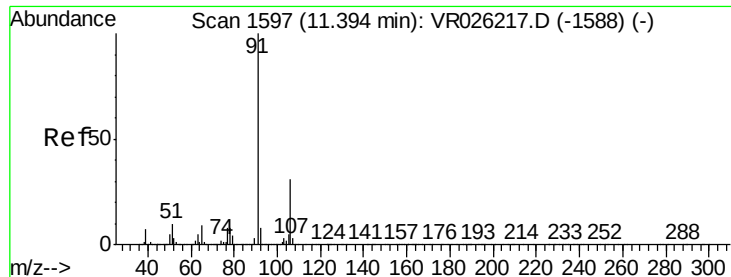
Tgt Ion	Ratio	Lower	Upper
107	100		
109	88.6	68.7	127.5
188	2.5	2.1	3.1



#51
Chlorobenzene
Concen: 5.068 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.7	42.3
77	64.7	51.8	77.8





#52

Ethylbenzene

Concen: 5.353 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

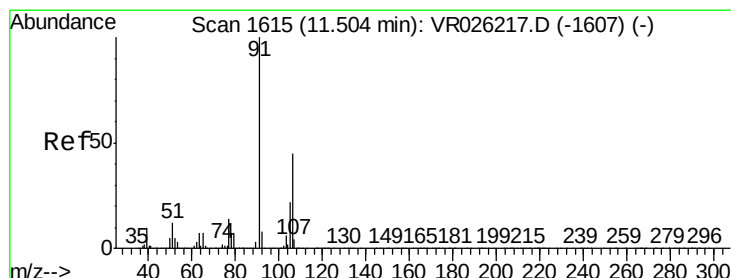
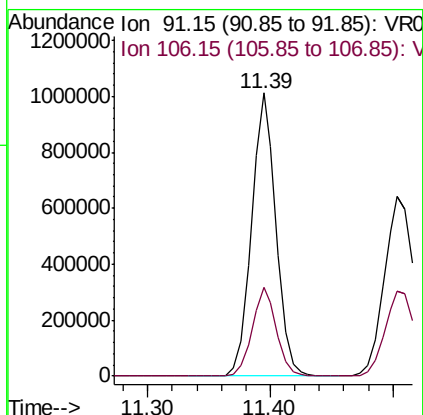
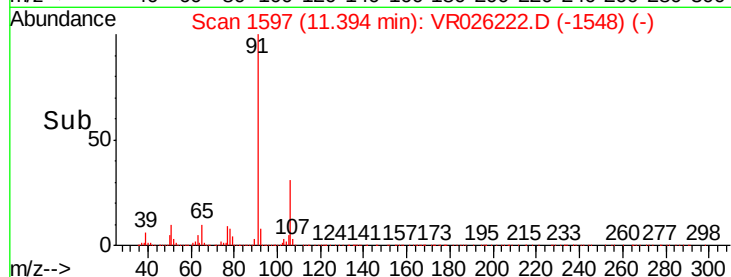
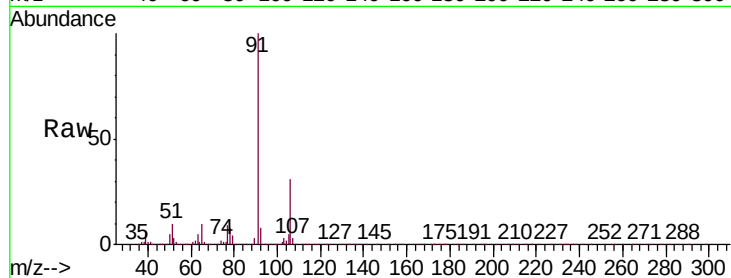
VSTD00586

Tgt Ion: 91 Resp: 1400227

Ion Ratio Lower Upper

91 100

106 31.4 21.5 39.9



#53

m,p-Xylene

Concen: 5.414 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026222.D

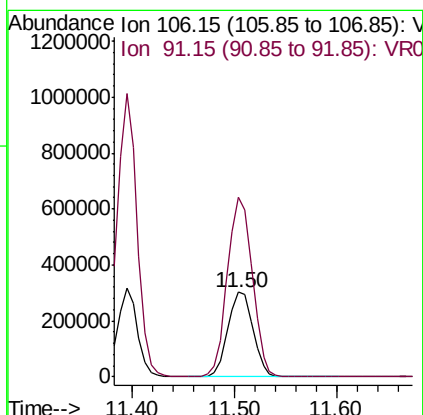
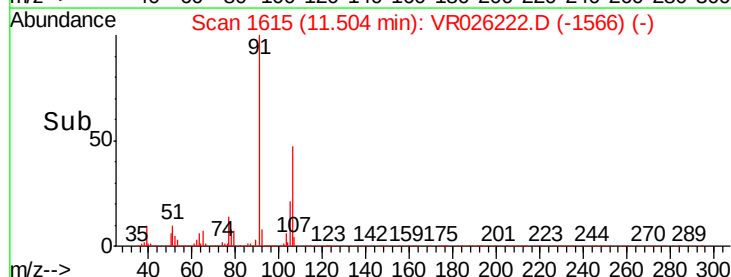
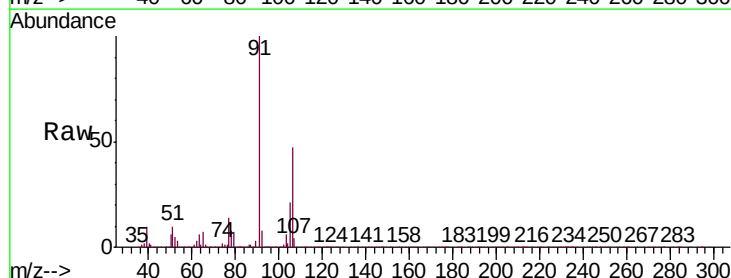
Acq: 19 Nov 2018 13:51

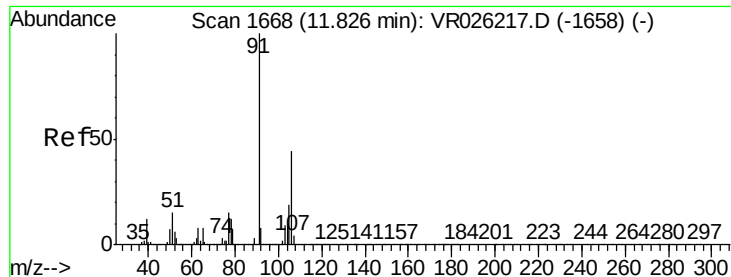
Tgt Ion: 106 Resp: 514122

Ion Ratio Lower Upper

106 100

91 212.5 153.9 285.9

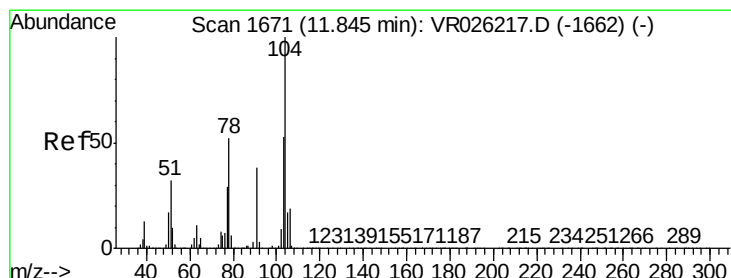
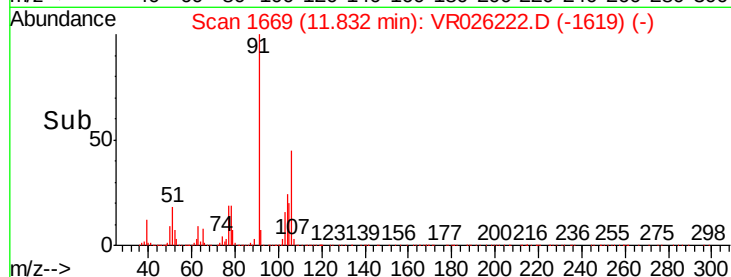
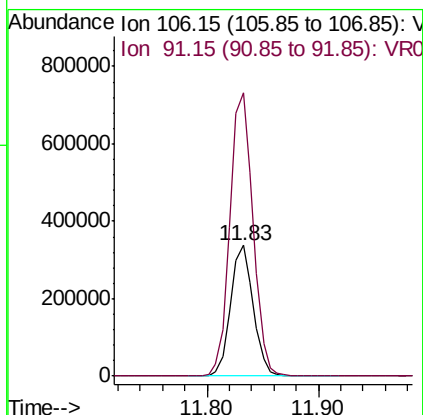
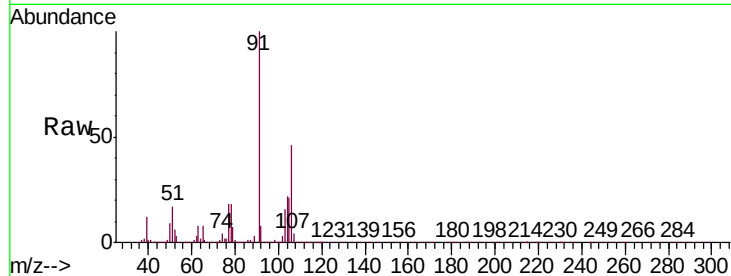




#54
o-Xylene
Concen: 5.451 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

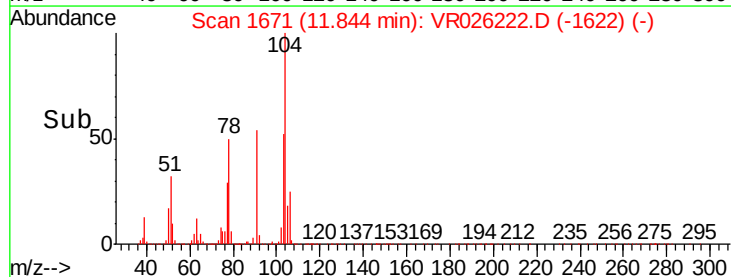
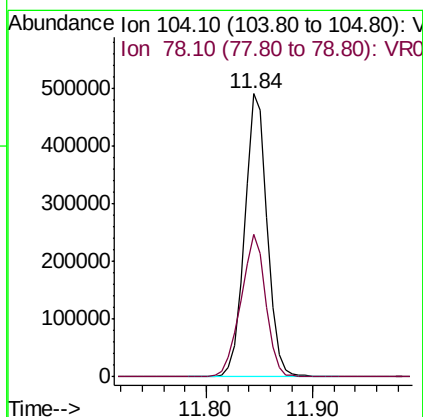
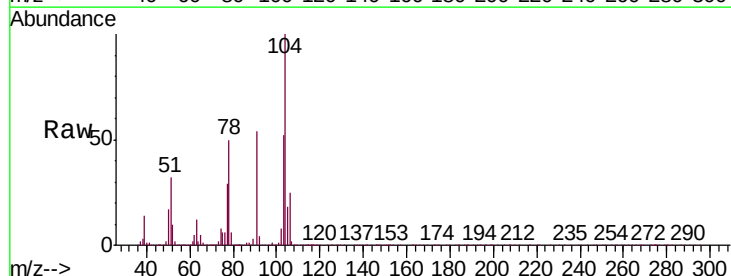
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

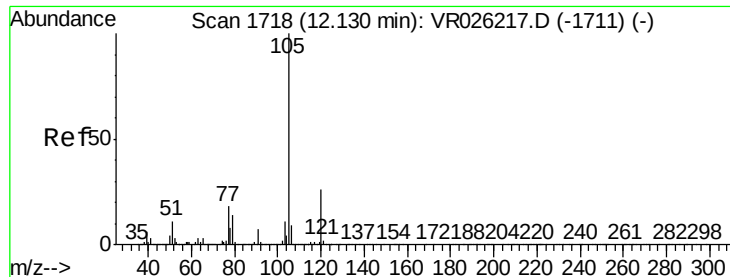
Tgt Ion:106 Resp: 472378
Ion Ratio Lower Upper
106 100
91 216.5 159.5 296.1



#55
Styrene
Concen: 5.401 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion:104 Resp: 727452
Ion Ratio Lower Upper
104 100
78 50.5 36.8 68.3





#56

Isopropylbenzene

Concen: 5.725 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

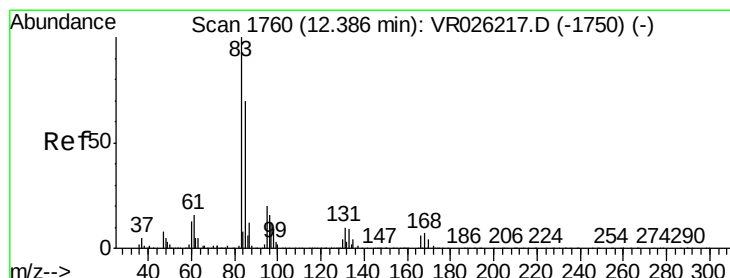
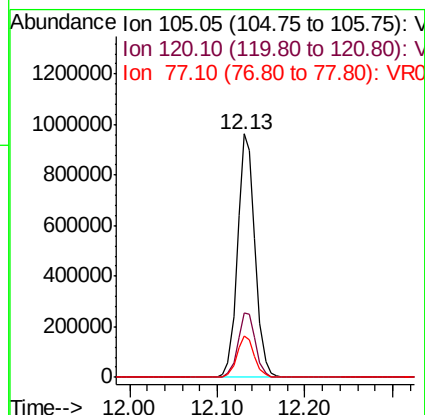
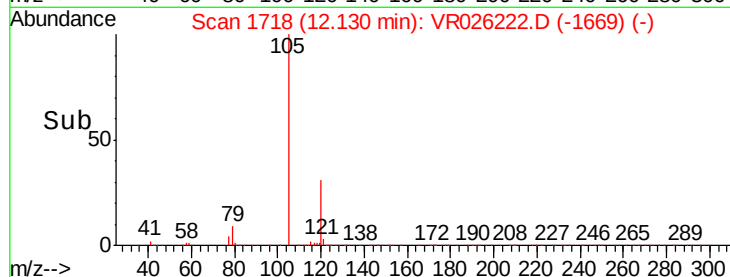
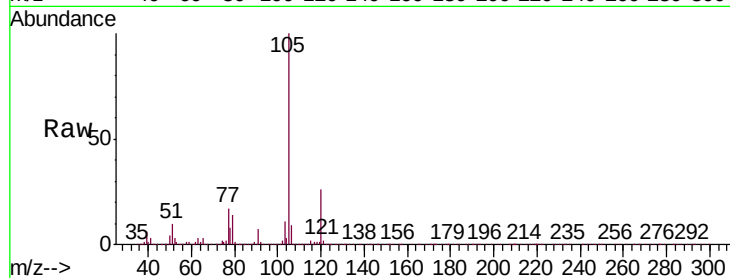
Tgt Ion:105 Resp: 1339825

Ion Ratio Lower Upper

105 100

120 26.6 20.4 30.6

77 17.0 14.3 21.5



#58

1,1,2,2-Tetrachloroethane

Concen: 4.728 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

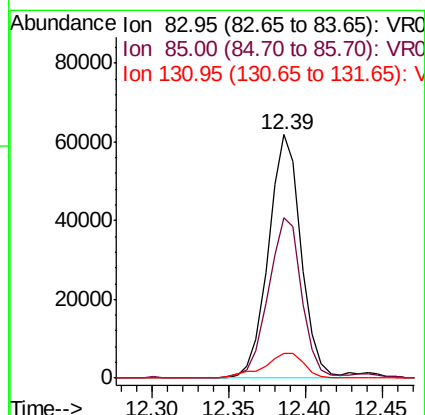
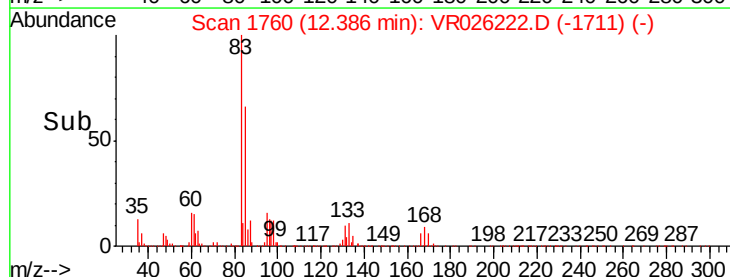
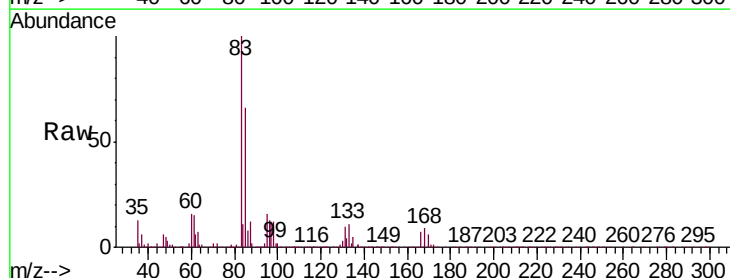
Tgt Ion: 83 Resp: 91537

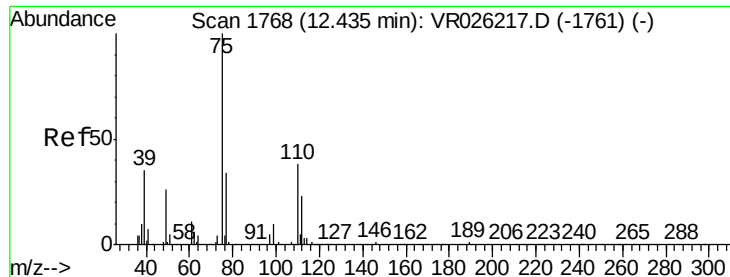
Ion Ratio Lower Upper

83 100

85 65.7 49.1 91.1

131 10.1 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 4.799 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

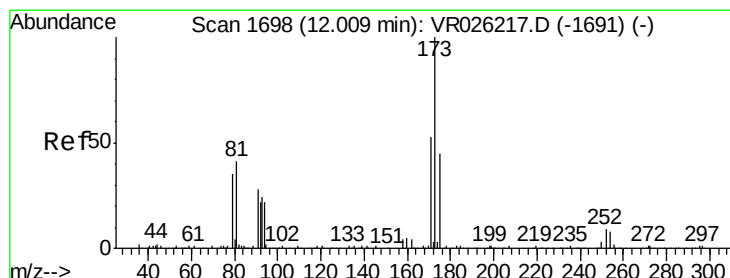
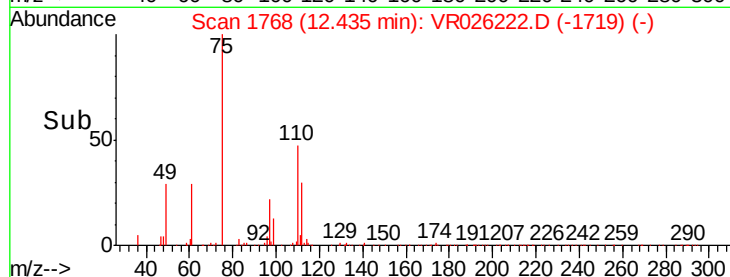
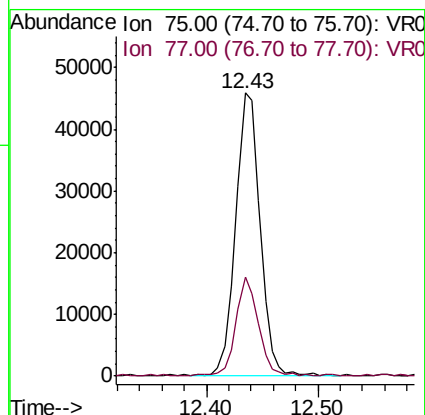
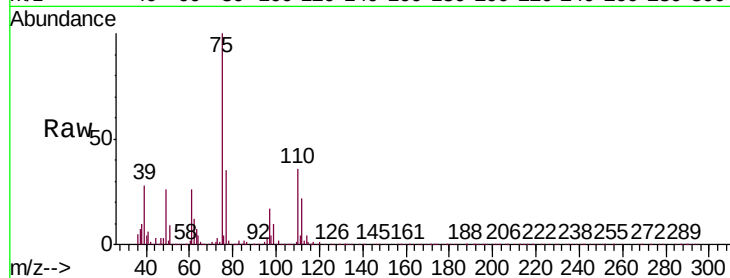
VSTD00586

Tgt Ion: 75 Resp: 69957

Ion Ratio Lower Upper

75 100

77 31.7 27.4 41.0



#61

Bromoform

Concen: 4.872 ug/L

RT: 12.01 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

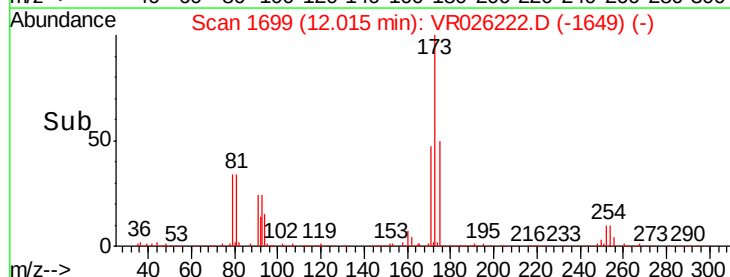
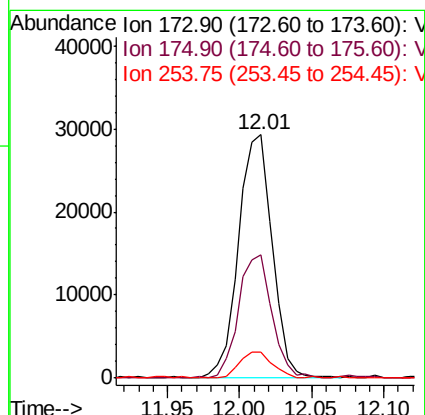
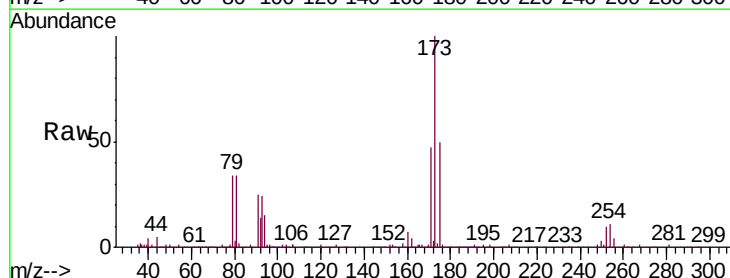
Tgt Ion: 173 Resp: 47373

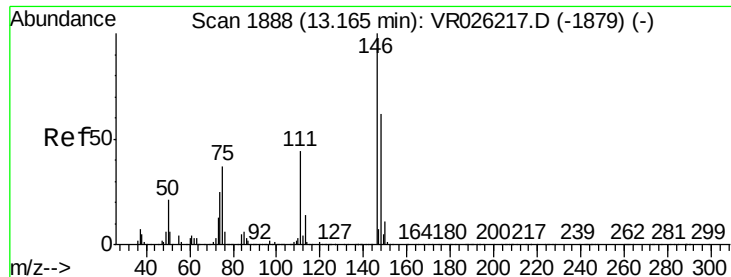
Ion Ratio Lower Upper

173 100

175 50.9 38.2 57.4

254 10.6 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 5.202 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

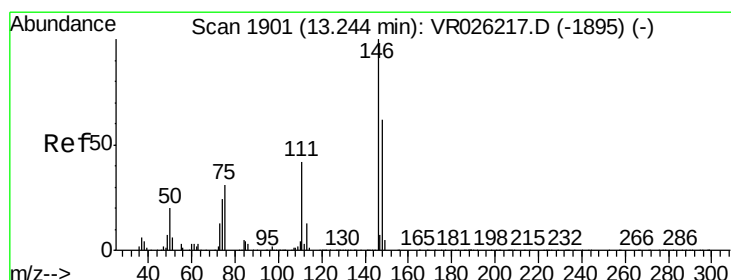
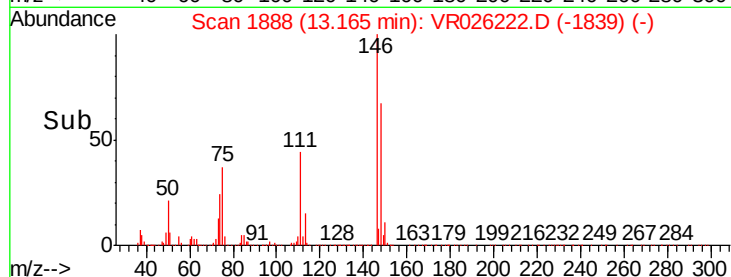
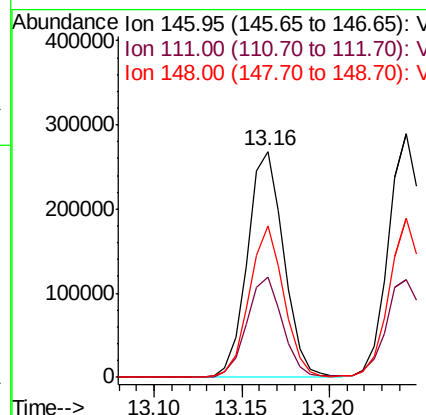
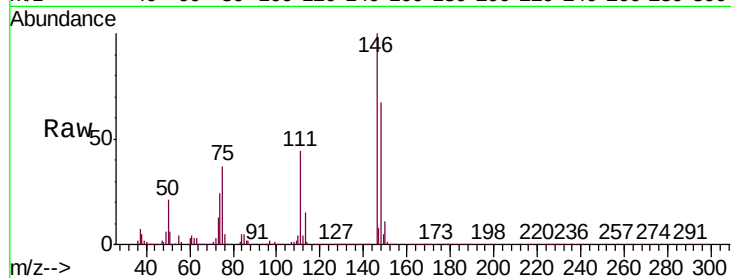
Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

Tgt Ion:	146	Resp:	387217
Ion	Ratio	Lower	Upper
146	100		
111	44.3	30.5	56.7
148	67.1	43.5	80.7



#63

1,4-Dichlorobenzene

Concen: 4.897 ug/L

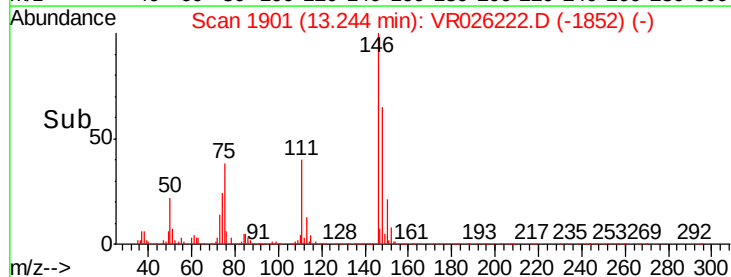
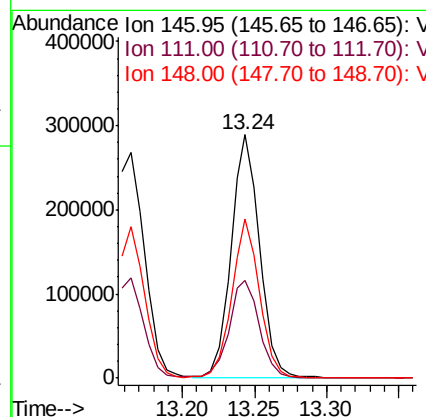
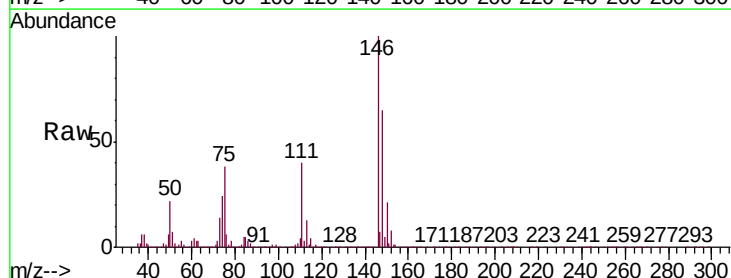
RT: 13.24 min Scan# 1901

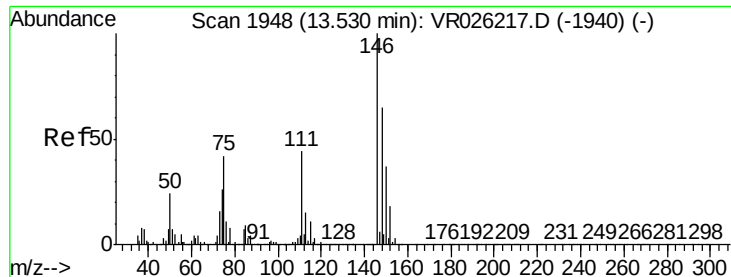
Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Tgt Ion:	146	Resp:	400917
Ion	Ratio	Lower	Upper
146	100		
111	40.3	29.3	54.3
148	65.4	43.0	80.0

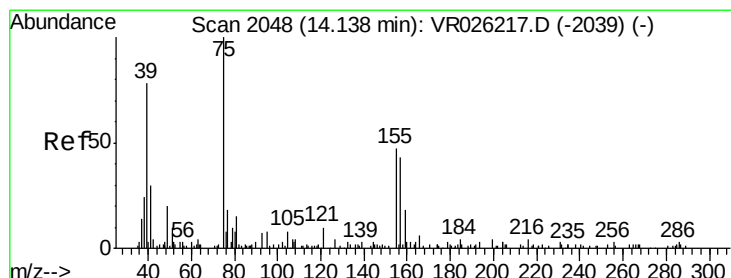
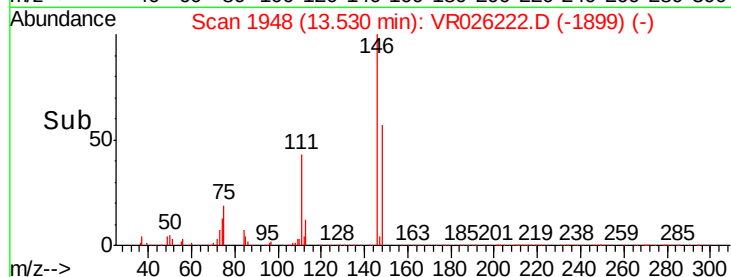
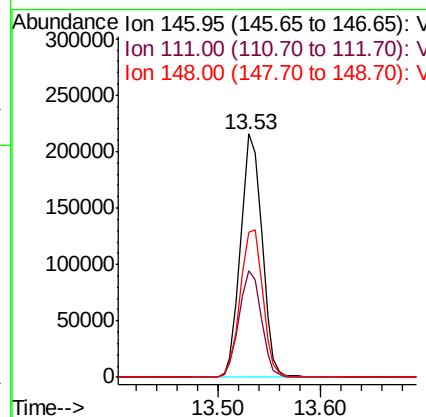
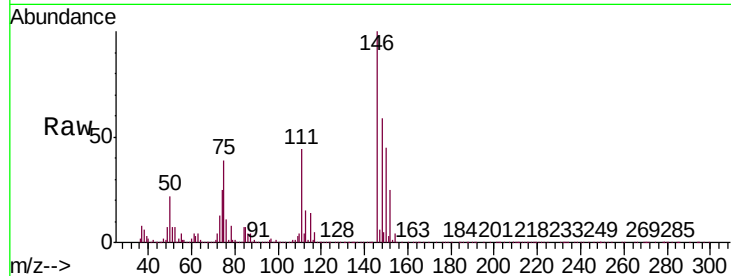




#65
1,2-Dichlorobenzene
Concen: 4.995 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

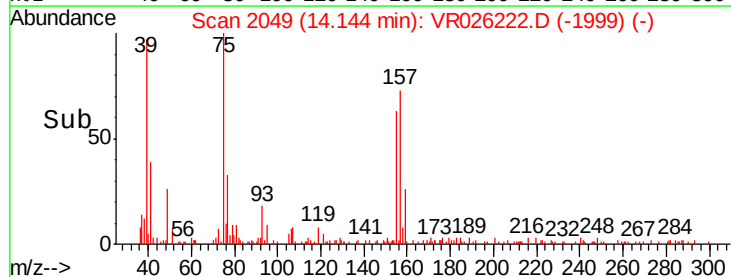
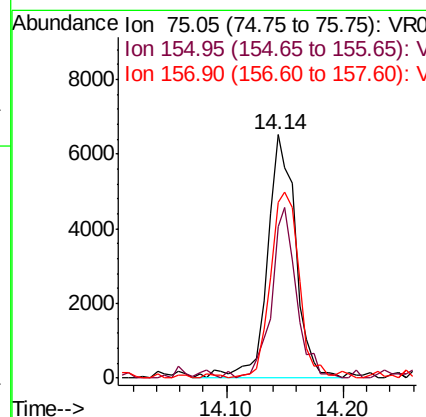
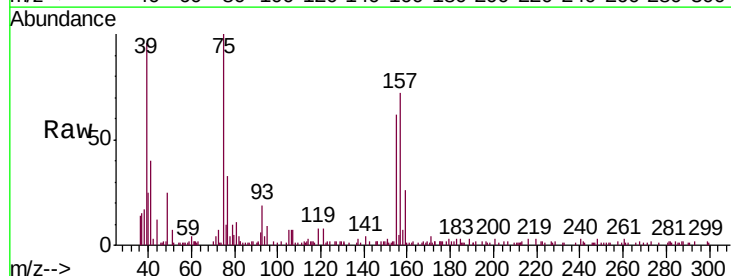
Instrument :
MSVOA_R
ClientSampleId :
VSTD00586

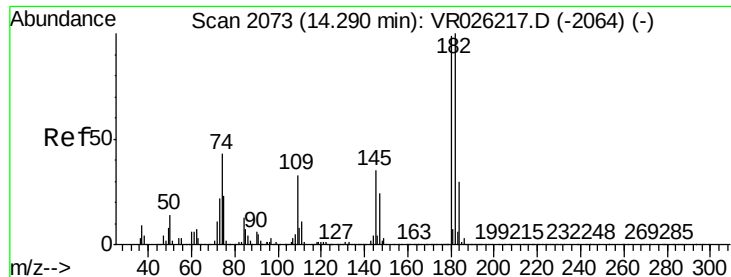
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.0	52.6
148	59.4	51.6	77.4



#66
1,2-Dibromo-3-chloropropane
Concen: 4.672 ug/L
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VR026222.D
Acq: 19 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.2	37.8	56.6#
157	72.2	34.6	51.8#





#67

1,3,5-Trichlorobenzene

Concen: 5.315 ug/L

RT: 14.29 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

Tgt Ion:180 Resp: 246438

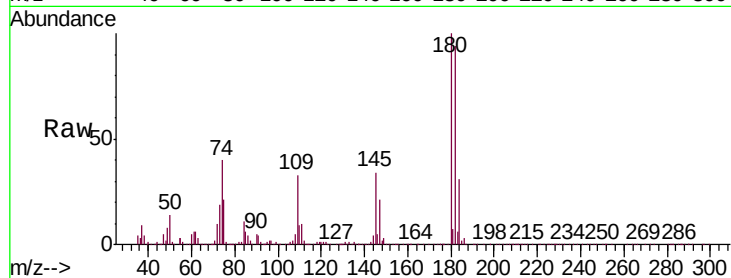
Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

184 30.5 23.2 34.8

145 32.9 26.4 39.6

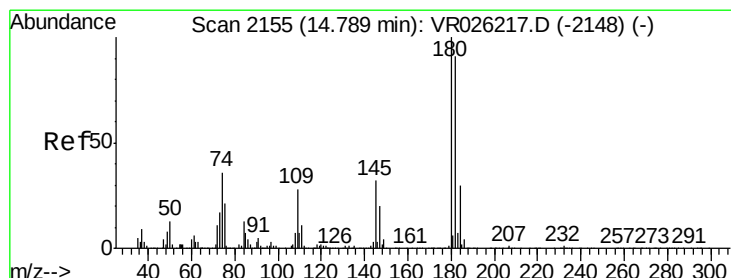
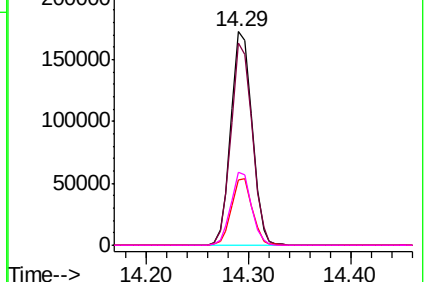
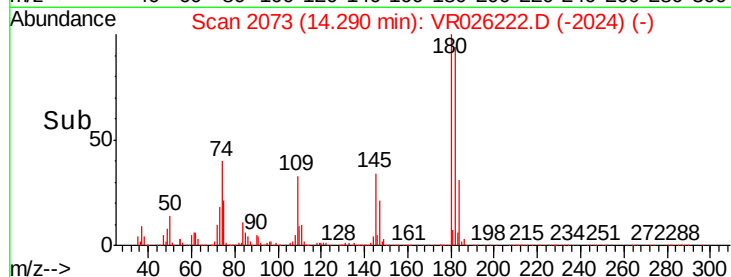


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.527 ug/L

RT: 14.79 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

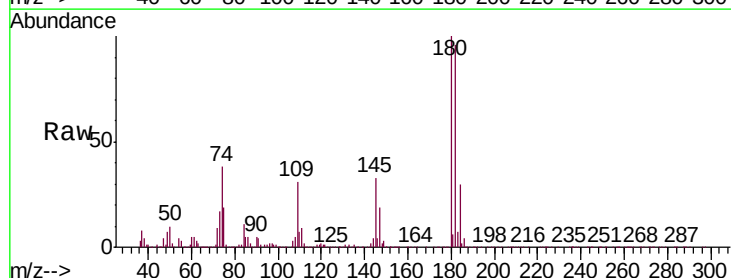
Tgt Ion:180 Resp: 143064

Ion Ratio Lower Upper

180 100

182 95.5 75.0 112.6

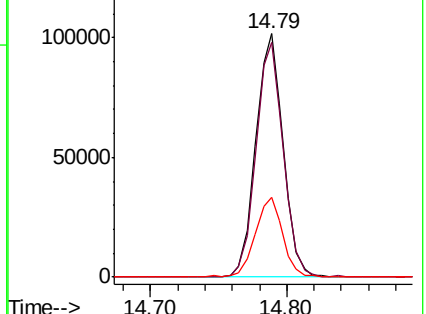
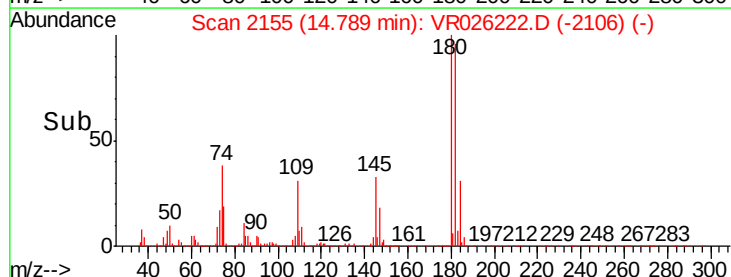
145 32.7 27.3 40.9

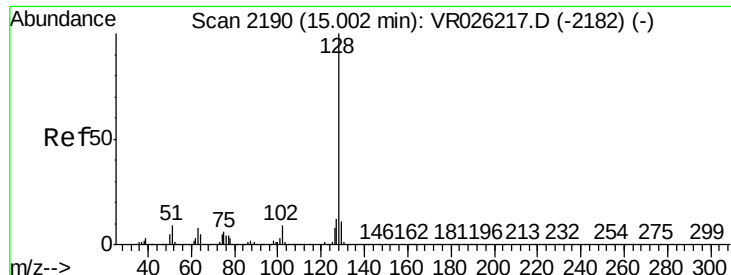


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.198 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

Instrument :

MSVOA_R

ClientSampleId :

VSTD00586

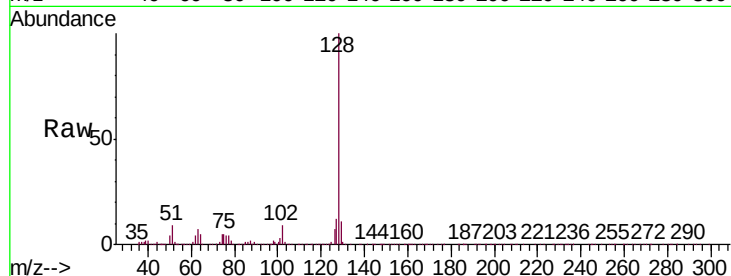
Tgt Ion:128 Resp: 141947

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.8

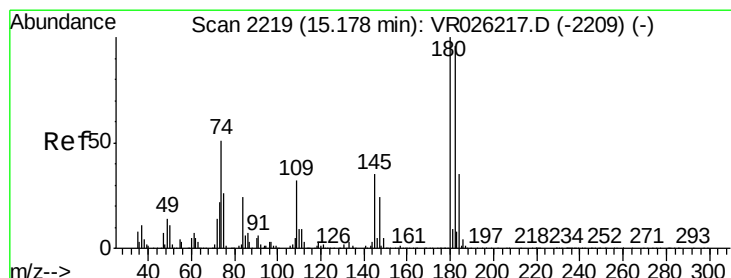
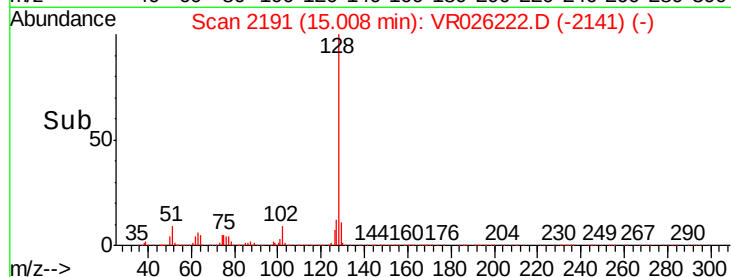
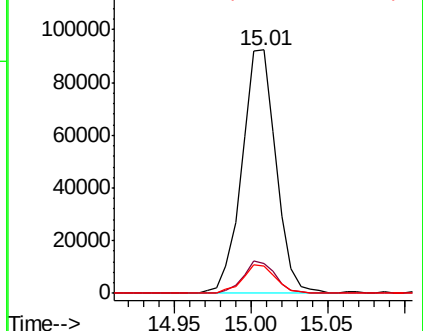
129 11.4 8.4 12.6



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: 5.689 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VR026222.D

Acq: 19 Nov 2018 13:51

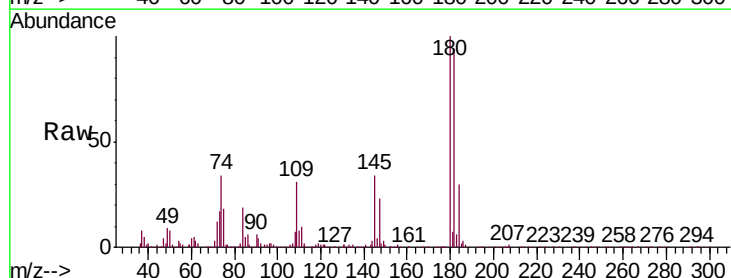
Tgt Ion:180 Resp: 103066

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 35.0 29.3 43.9



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

