

Data File : VR026513.D
Acq On : 8 Apr 2019 17:52
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

Quant Time: Apr 09 01:42:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 01:39:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	569689	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489073	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	215865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	179625	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	2.63	69	163334	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	3.63	63	527416	4.71	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	6.59	46	215289	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	7.20	84	411396	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	7.90	65	175113	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	7.85	84	747306	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	8.90	67	198259	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	9.97	98	722264	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	10.24	79	51664	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	10.59	63	201122	69.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.70%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89973	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	157067	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	269364	4.614	ug/L	99
3) Chloromethane	2.01	50	294458	4.782	ug/L	99
5) Vinyl chloride	2.17	62	287429	4.750	ug/L	99
6) Bromomethane	2.52	94	175782	4.968	ug/L	96
8) Chloroethane	2.66	64	174721	5.092	ug/L	97
9) Trichlorofluoromethane	2.93	101	197374	2.356	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	232033	5.020	ug/L	98
12) 1,1-Dichloroethene	3.64	96	249616	4.941	ug/L	94
13) Acetone	3.70	43	208286	53.408	ug/L	97
14) Carbon disulfide	3.94	76	639786	4.363	ug/L	98
15) Methyl Acetate	4.19	43	58153	5.526	ug/L	99
16) Methylene chloride	4.41	84	217383	4.840	ug/L	88
17) Methyl tert-butyl Ether	4.90	73	279035	4.856	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	237773	4.988	ug/L	93
19) 1,1-Dichloroethane	5.69	63	444939	5.023	ug/L	98
21) 2-Butanone	6.69	43	323824	64.581	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	219127	5.527	ug/L #	86

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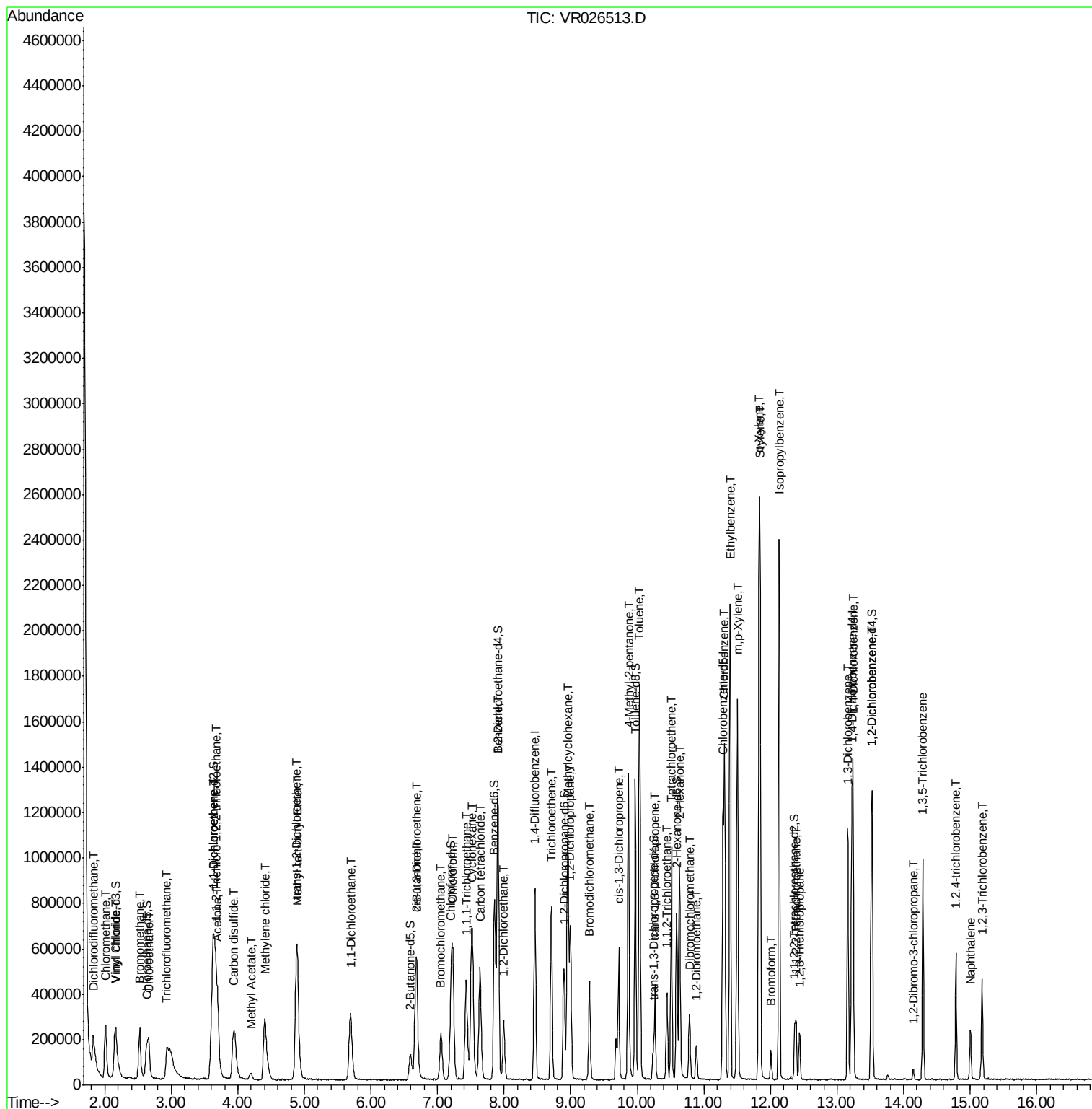
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	64471	5.219	ug/L	93
25) Chloroform	7.23	83	442654	5.223	ug/L	100
27) 1,2-Dichloroethane	7.99	62	228074	5.396	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	368633	4.567	ug/L	97
30) Cyclohexane	7.52	56	379531	5.060	ug/L	100
31) Carbon tetrachloride	7.64	117	368688	4.821	ug/L	100
33) Benzene	7.91	78	970766	5.079	ug/L	100
34) Trichloroethene	8.71	95	240244	4.693	ug/L	94
35) Methylcyclohexane	8.95	83	366445	5.019	ug/L	98
37) 1,2-Dichloropropane	8.99	63	209452	5.001	ug/L	100
38) Bromodichloromethane	9.28	83	255750	5.284	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	258416	5.684	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	848897	69.166	ug/L	98
42) Toluene	10.03	91	1057915	5.401	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	180935	5.456	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	98154	5.793	ug/L	94
47) Tetrachloroethene	10.51	164	174445	4.788	ug/L	97
48) 2-Hexanone	10.63	43	577847	70.784	ug/L	99
49) Dibromochloromethane	10.79	129	117920	5.313	ug/L	90
50) 1,2-Dibromoethane	10.89	107	81526	5.594	ug/L	96
51) Chlorobenzene	11.32	112	570648	5.192	ug/L	97
52) Ethylbenzene	11.39	91	1228020	5.442	ug/L	98
53) m,p-Xylene	11.50	106	433075	5.355	ug/L	95
54) o-Xylene	11.83	106	410045	5.770	ug/L	100
55) Styrene	11.84	104	652683	5.818	ug/L	96
56) Isopropylbenzene	12.13	105	1155264	5.728	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	98026	5.958	ug/L #	99
59) 1,2,3-Trichloropropane	12.43	75	71218	5.643	ug/L	93
61) Bromoform	12.01	173	45134	4.686	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	338052	4.886	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	371892	4.788	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	297554	5.184	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	11362	5.150	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.29	180	218829	4.841	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	126870	5.050	ug/L	97
69) Naphthalene	15.00	128	133573	5.653	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	106130	6.095	ug/L	99

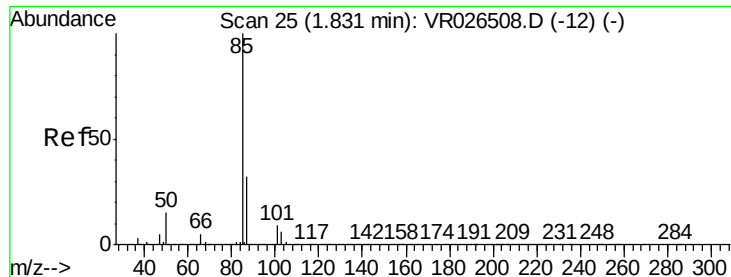
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.614 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

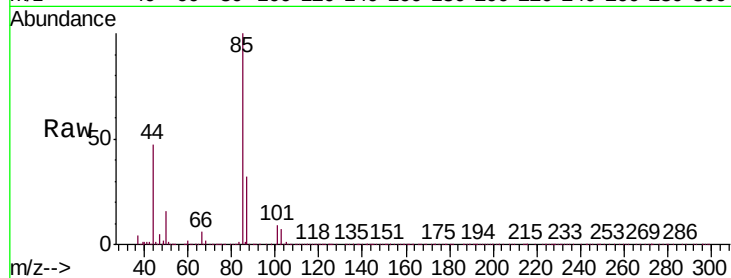
VSTD00565

Tgt Ion: 85 Resp: 269364

Ion Ratio Lower Upper

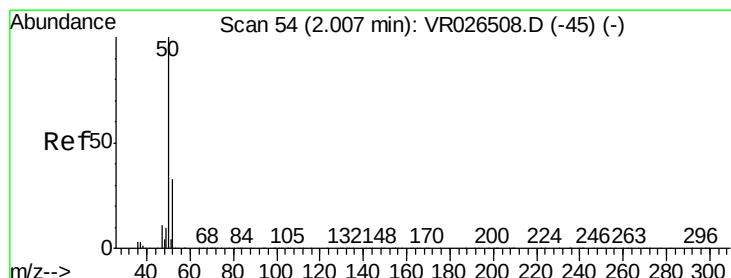
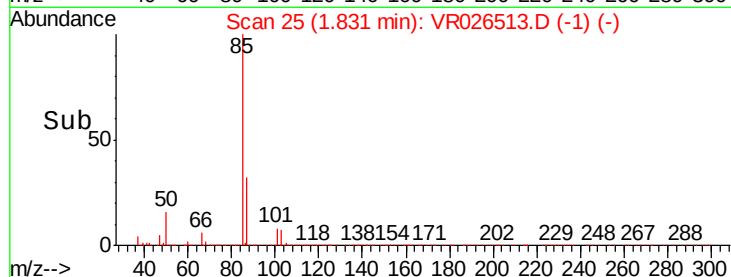
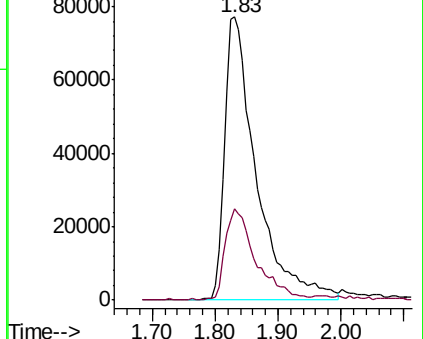
85 100

87 31.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.782 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026513.D

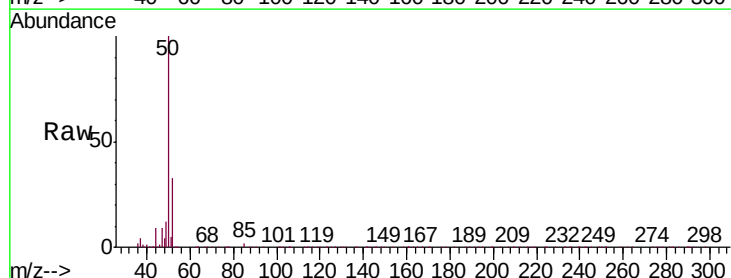
Acq: 8 Apr 2019 17:52

Tgt Ion: 50 Resp: 294458

Ion Ratio Lower Upper

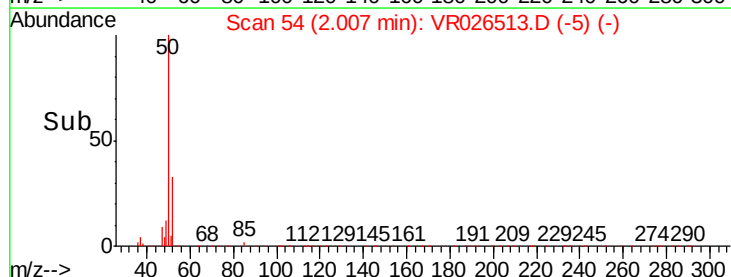
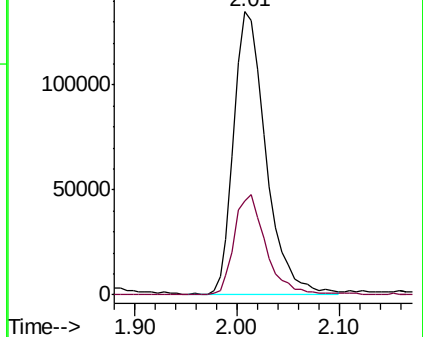
50 100

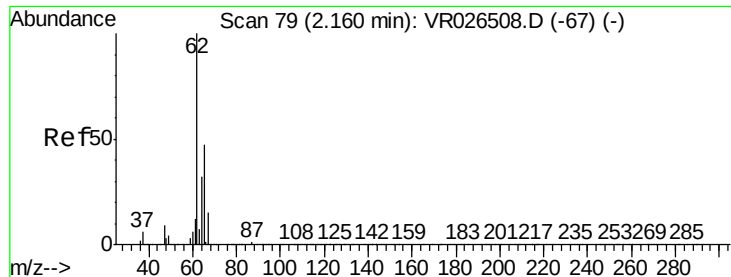
52 33.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.750 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

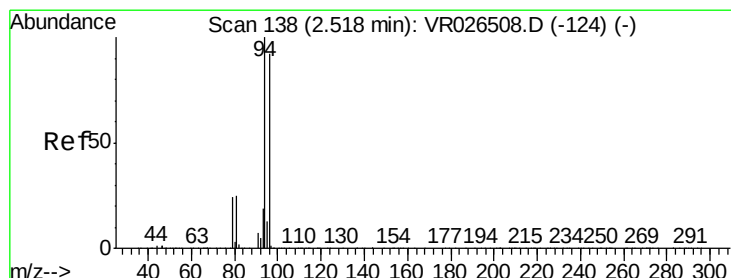
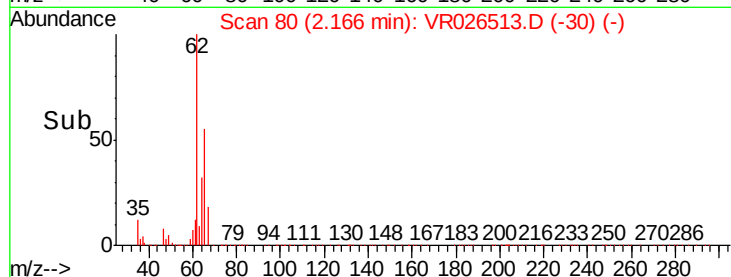
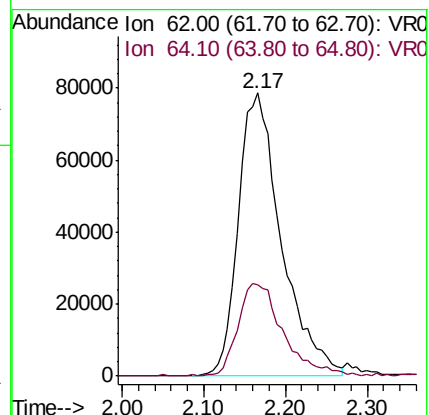
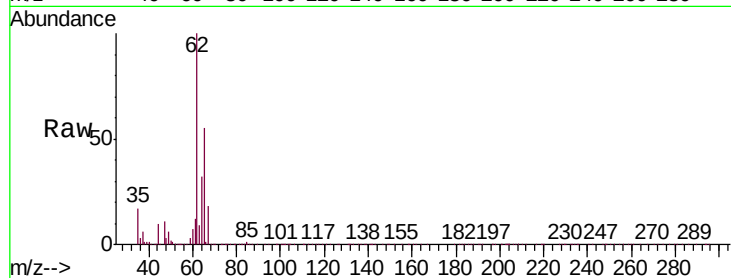
VSTD00565

Tgt Ion: 62 Resp: 287429

Ion Ratio Lower Upper

62 100

64 32.3 22.3 41.5



#6

Bromomethane

Concen: 4.968 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026513.D

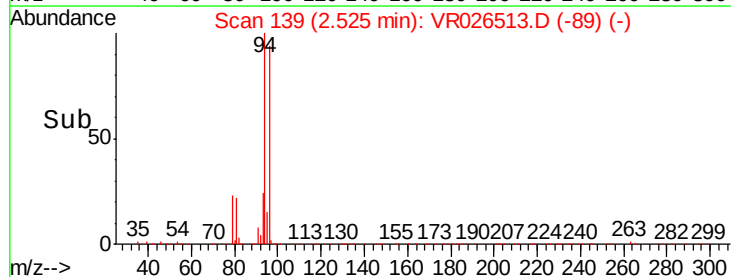
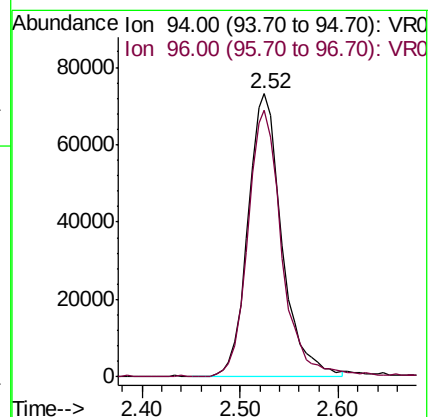
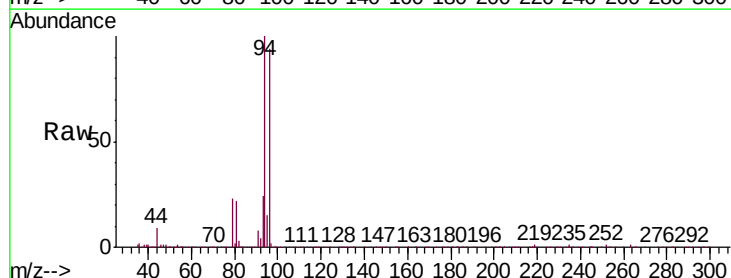
Acq: 8 Apr 2019 17:52

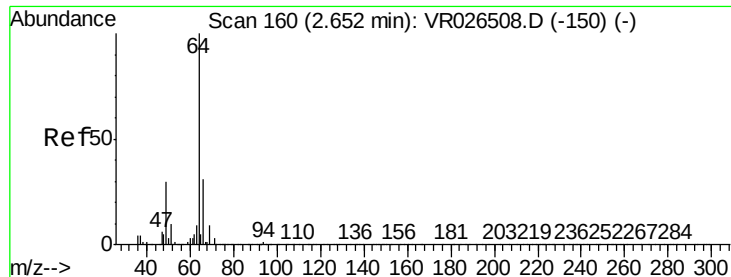
Tgt Ion: 94 Resp: 175782

Ion Ratio Lower Upper

94 100

96 94.4 69.1 128.3





#8

Chloroethane

Concen: 5.092 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

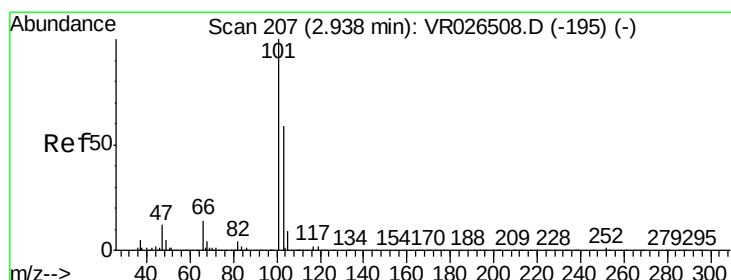
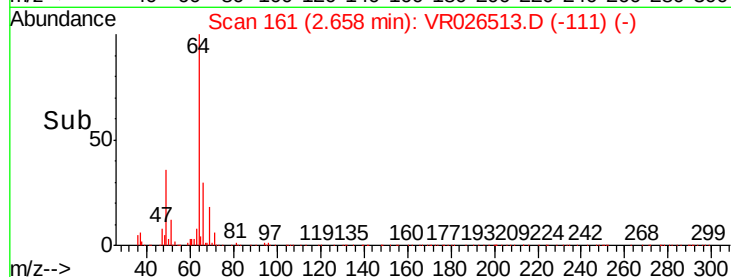
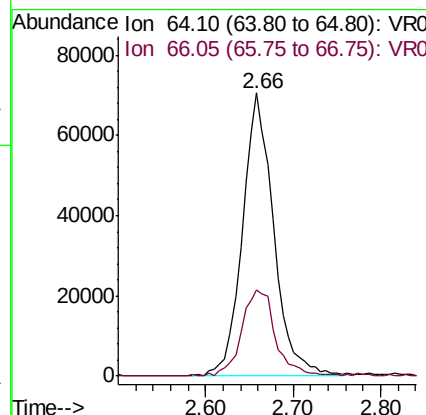
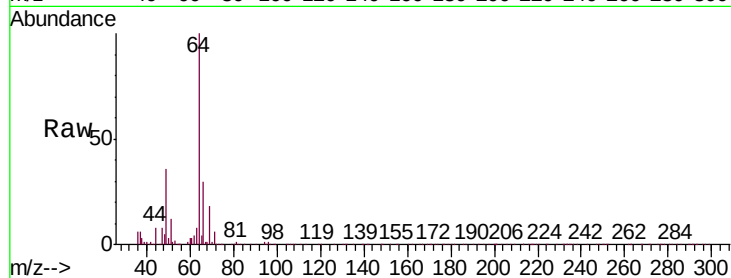
VSTD00565

Tgt Ion: 64 Resp: 174721

Ion Ratio Lower Upper

64 100

66 30.3 22.4 41.6



#9

Trichlorofluoromethane

Concen: 2.356 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026513.D

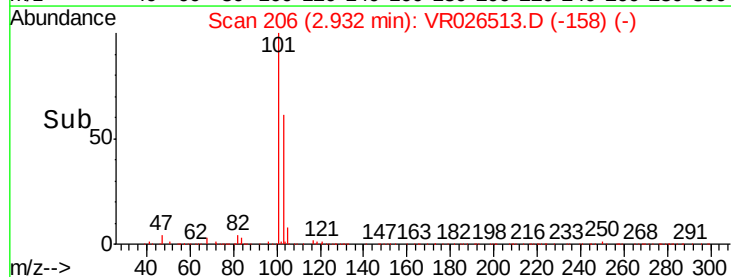
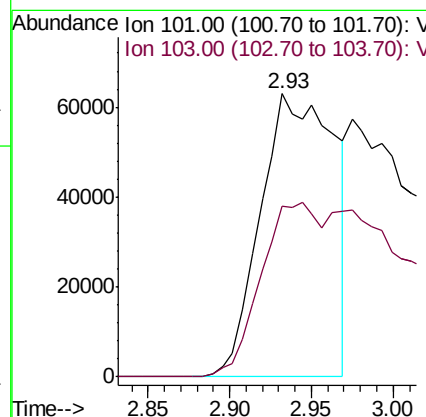
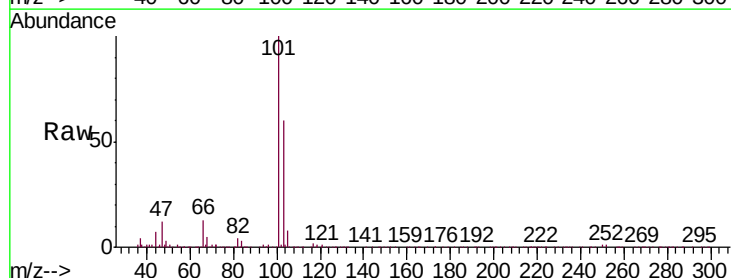
Acq: 8 Apr 2019 17:52

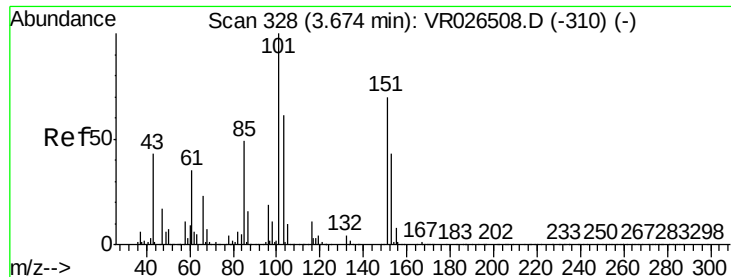
Tgt Ion: 101 Resp: 197374

Ion Ratio Lower Upper

101 100

103 49.7 48.2 72.2





#10

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

Concen: 5.020 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00565

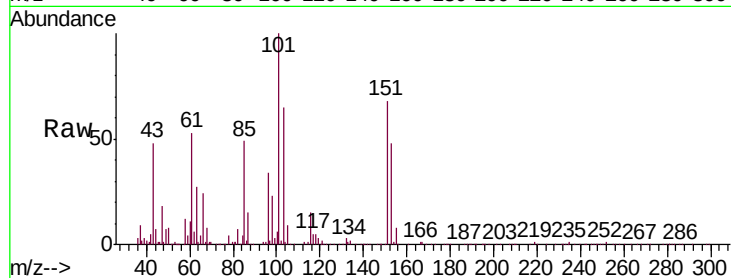
Tgt Ion: 101 Resp: 232033

Ion Ratio Lower Upper

101 100

85 49.6 39.2 58.8

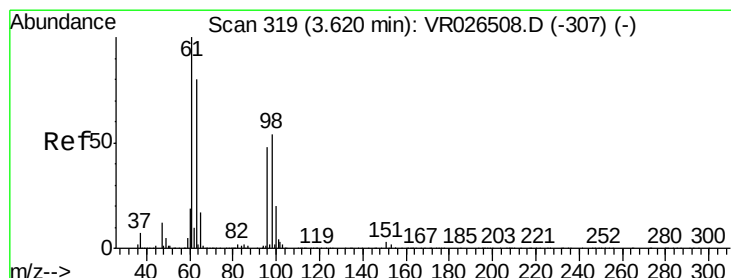
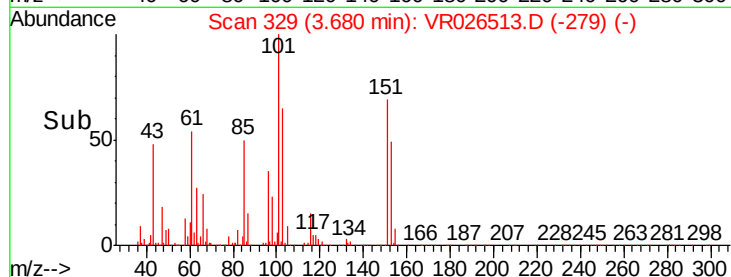
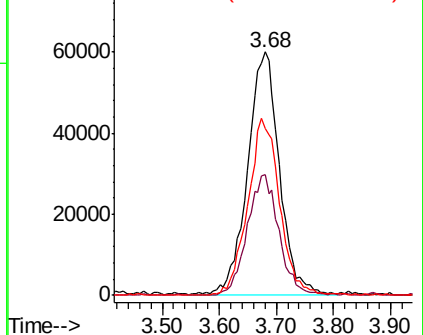
151 72.4 59.7 89.5



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: 4.941 ug/L

RT: 3.64 min Scan# 322

Delta R.T. 0.02 min

Lab File: VR026513.D

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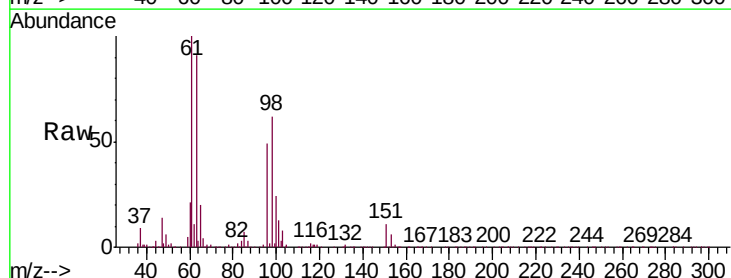
Tgt Ion: 96 Resp: 249616

Ion Ratio Lower Upper

96 100

61 203.5 142.7 264.9

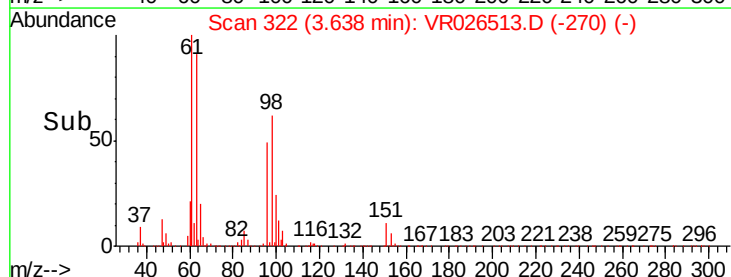
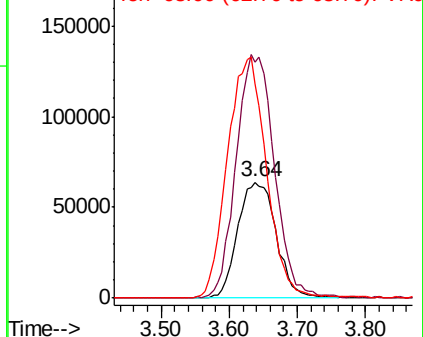
63 185.2 116.9 217.1

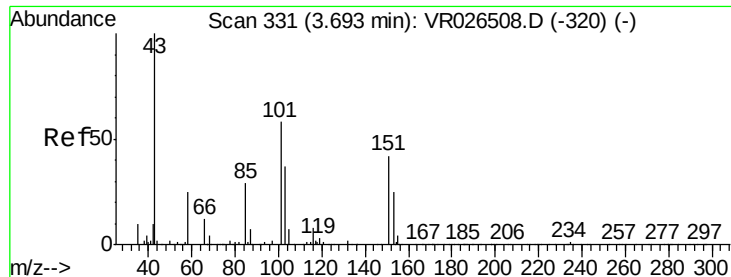


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

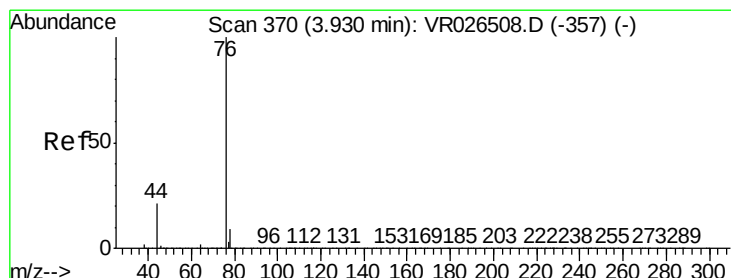
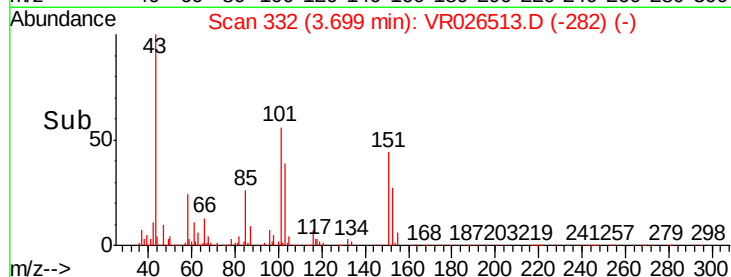
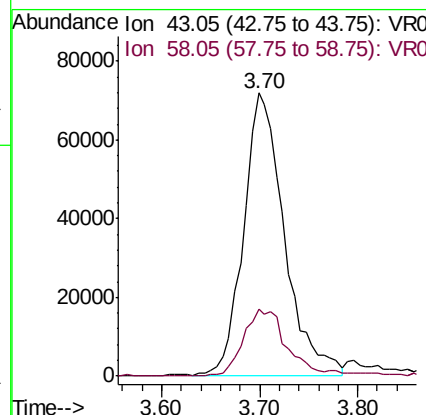
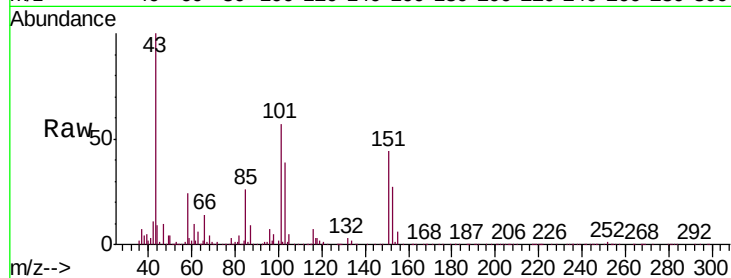




#13
Acetone
Concen: 53.408 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.01 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

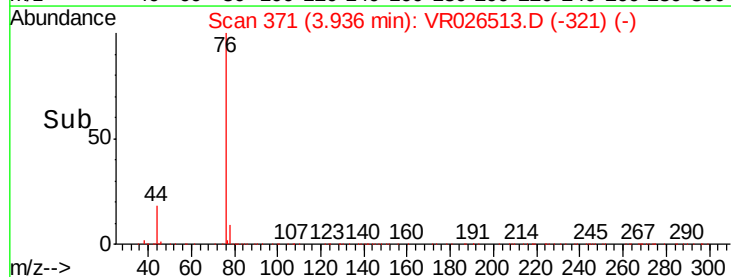
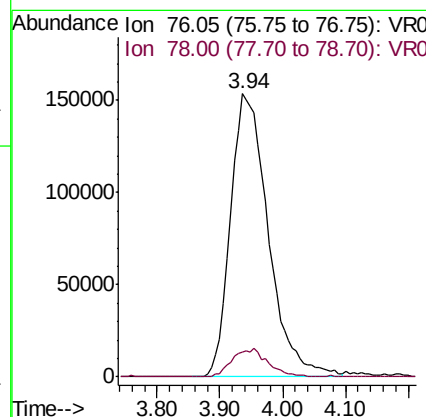
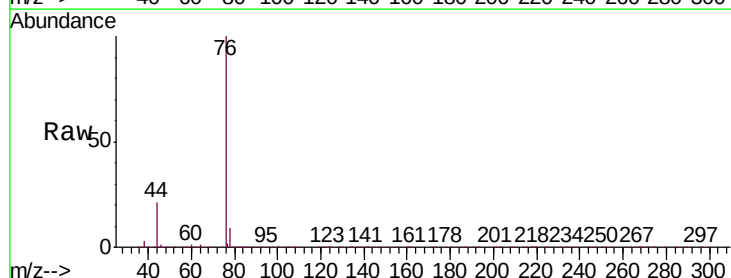
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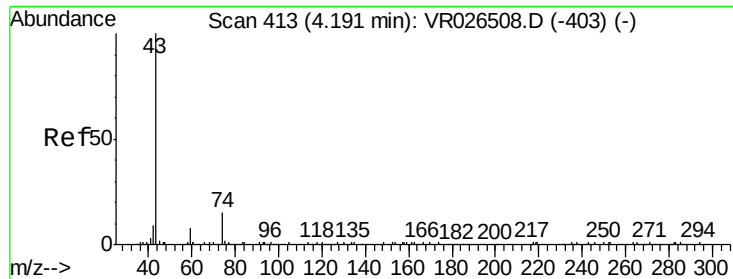
Tgt Ion: 43 Resp: 208286
Ion Ratio Lower Upper
43 100
58 25.3 0.0 53.8



#14
Carbon disulfide
Concen: 4.363 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.01 min
Lab File: VR026513.D
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Tgt Ion: 76 Resp: 639786
Ion Ratio Lower Upper
76 100
78 8.9 7.7 11.5

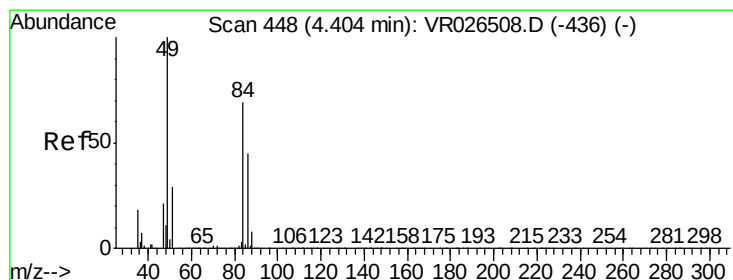
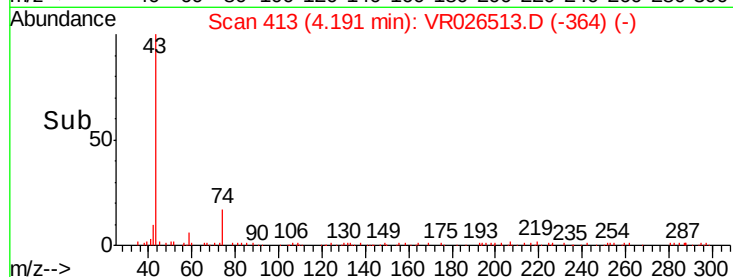
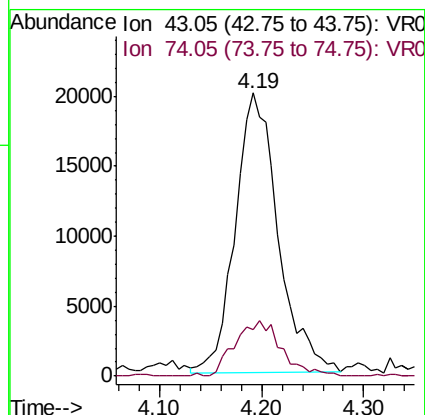
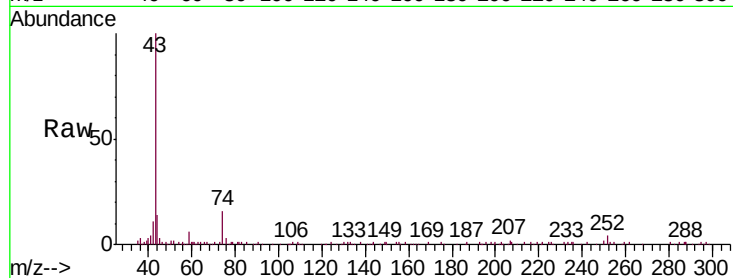




#15
Methyl Acetate
Concen: 5.526 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

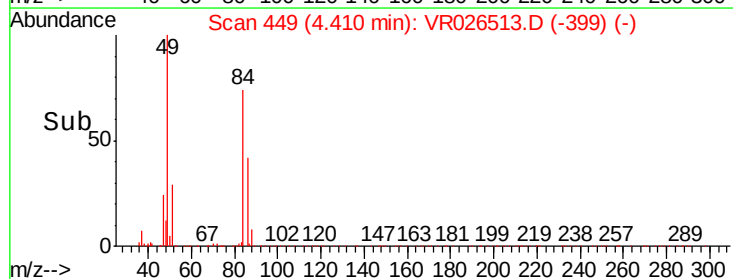
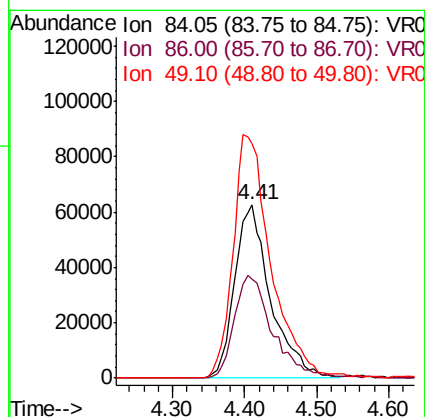
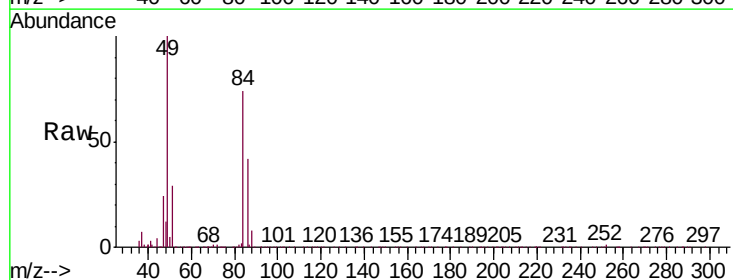
Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

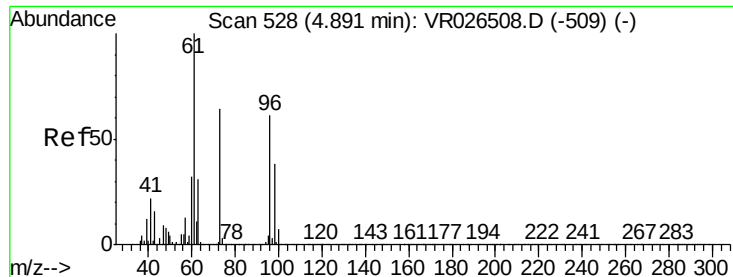
Tgt Ion: 43 Resp: 58153
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3



#16
Methylene chloride
Concen: 4.840 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion: 84 Resp: 217383
Ion Ratio Lower Upper
84 100
86 57.1 45.6 84.6
49 135.2 106.5 197.9





#17

Methyl tert-butyl Ether

Concen: 4.856 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

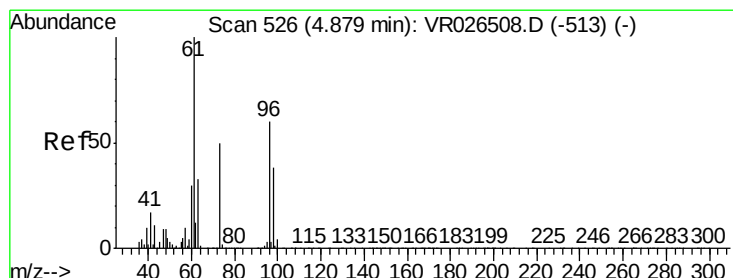
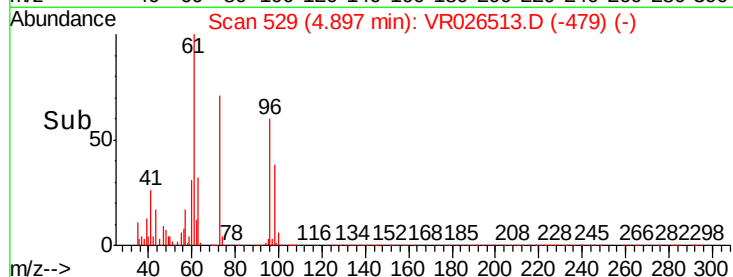
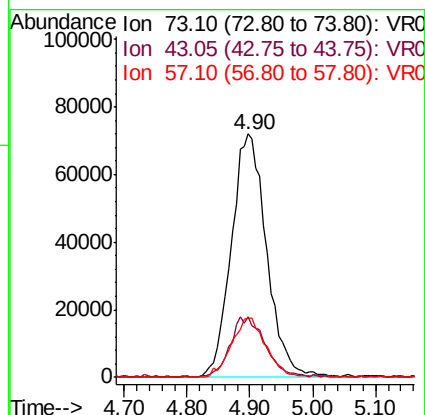
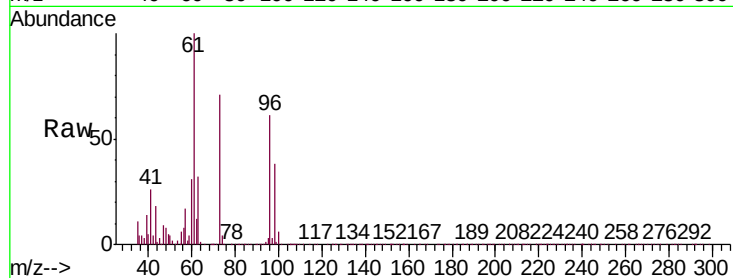
Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

Tgt Ion: 73 Resp: 279035

Ion	Ratio	Lower	Upper
73	100		
43	24.2	19.8	29.8
57	23.2	18.9	28.3



#18

trans-1,2-Dichloroethene

Concen: 4.988 ug/L

RT: 4.88 min Scan# 527

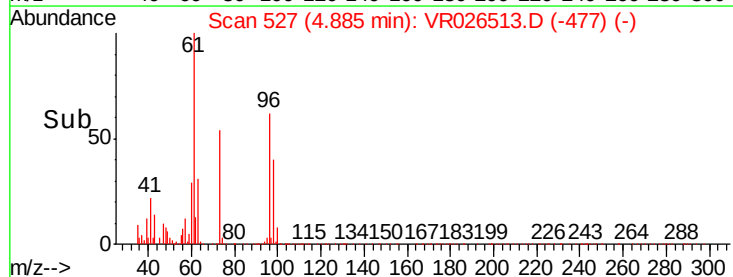
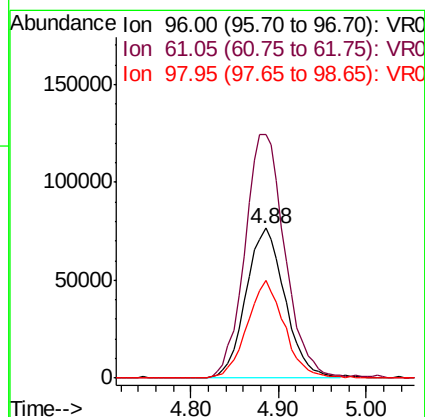
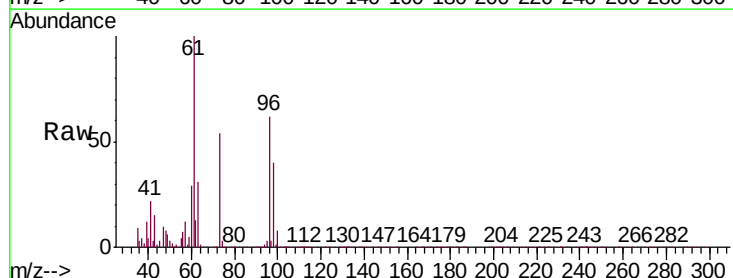
Delta R.T. 0.01 min

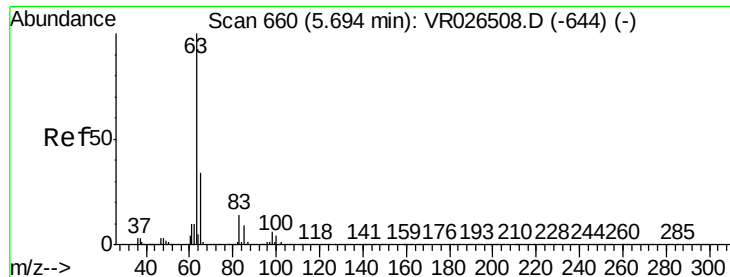
Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Tgt Ion: 96 Resp: 237773

Ion	Ratio	Lower	Upper
96	100		
61	162.6	122.9	228.3
98	65.2	45.2	84.0

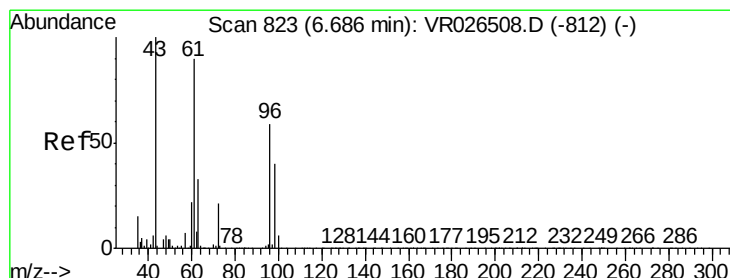
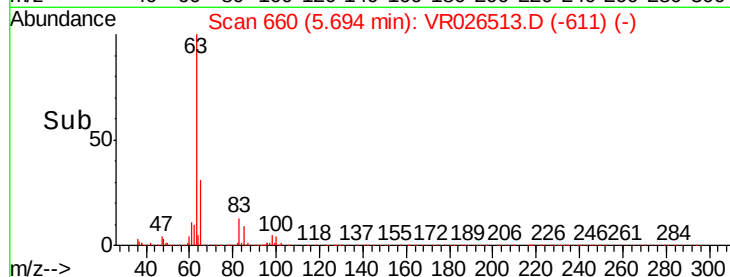
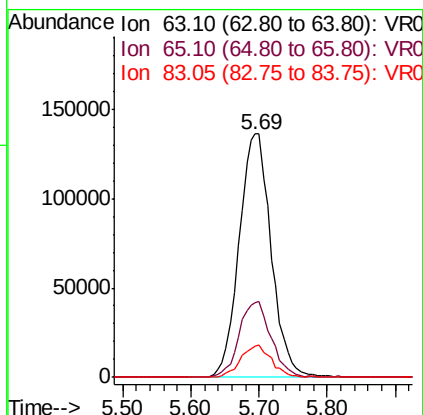
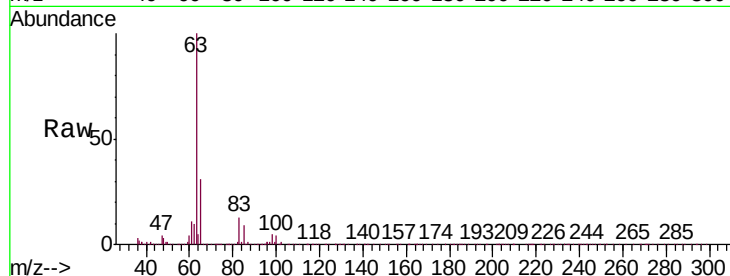




#19
 1,1-Dichloroethane
 Concen: 5.023 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

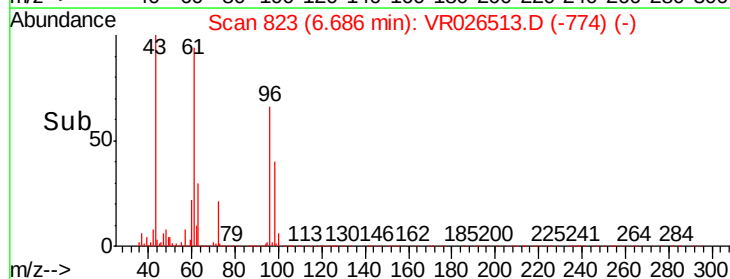
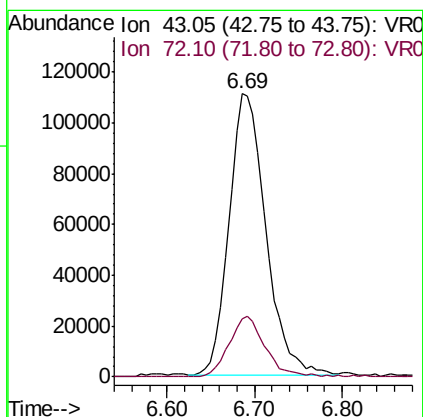
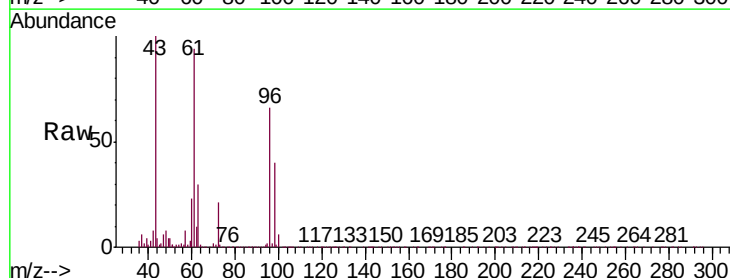
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00565

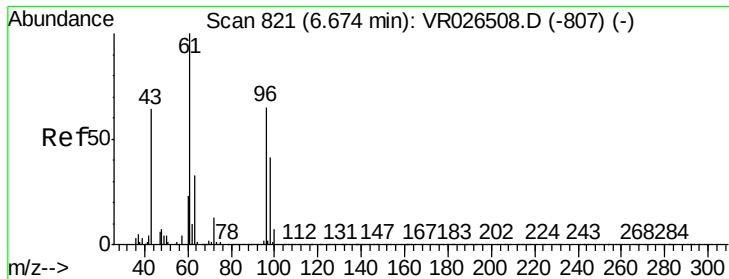
Tgt Ion:	63	Resp:	444939
Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.0	40.8
83	12.7	8.2	15.2



#21
 2-Butanone
 Concen: 64.581 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Tgt Ion:	43	Resp:	323824
Ion	Ratio	Lower	Upper
43	100		
72	21.2	11.1	33.3



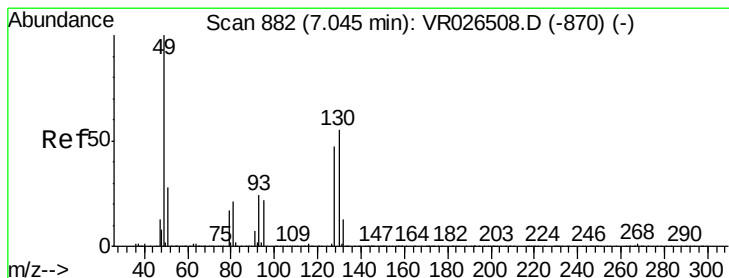
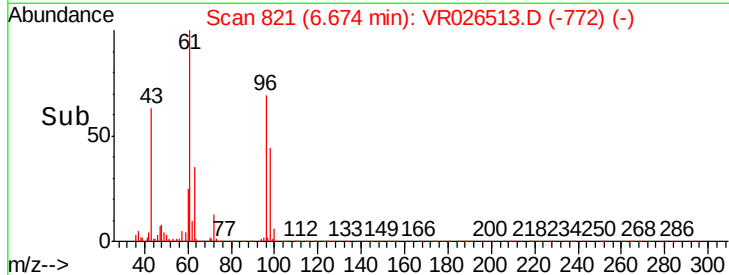
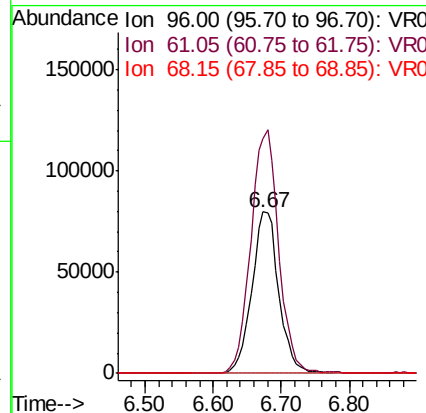
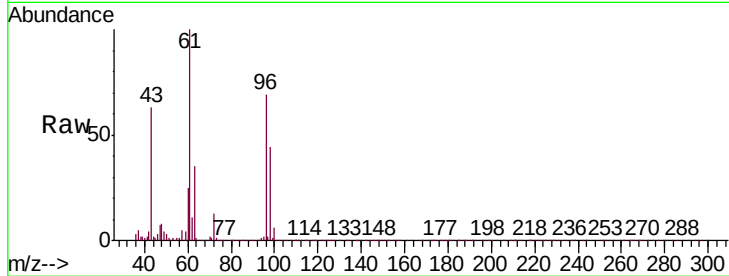


#22

cis-1,2-Dichloroethene
Concen: 5.527 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

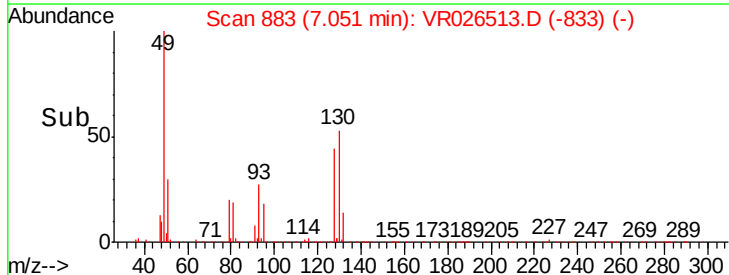
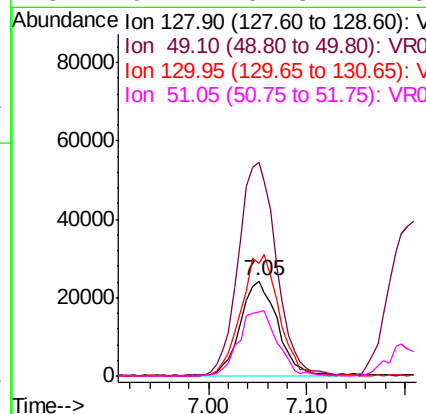
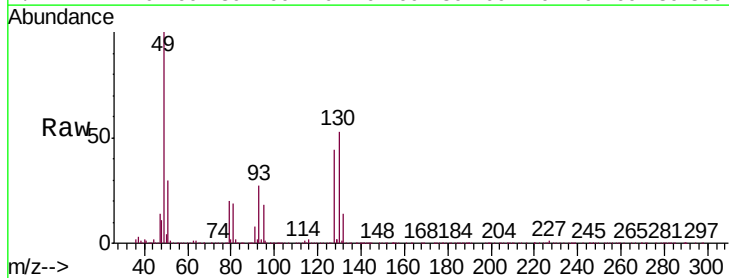
Tgt Ion: 96 Resp: 219127
Ion Ratio Lower Upper
96 100
61 145.6 115.0 213.6
68 0.2 0.0 0.0#

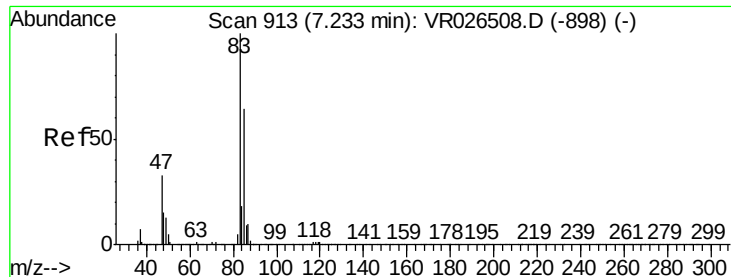


#23

Bromochloromethane
Concen: 5.219 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion: 128 Resp: 64471
Ion Ratio Lower Upper
128 100
49 216.3 158.3 293.9
130 114.6 90.0 167.2
51 64.4 51.8 77.8

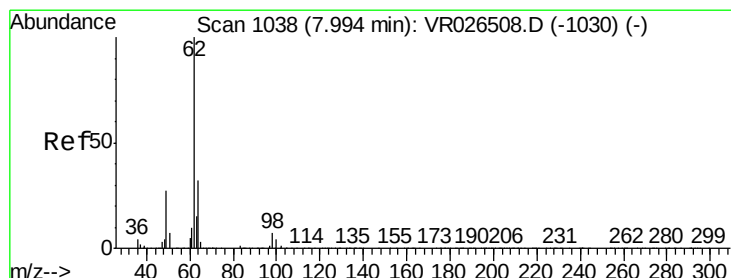
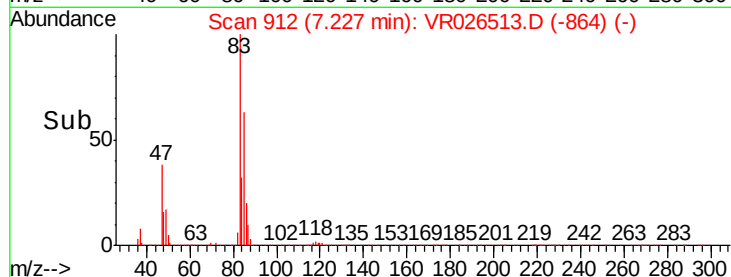
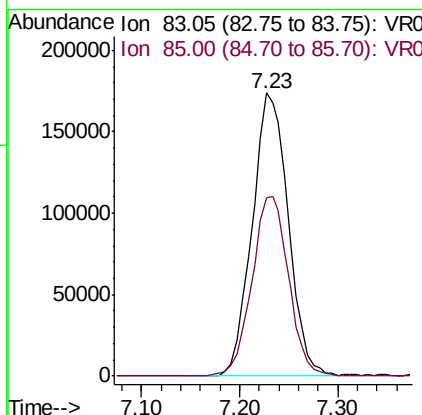
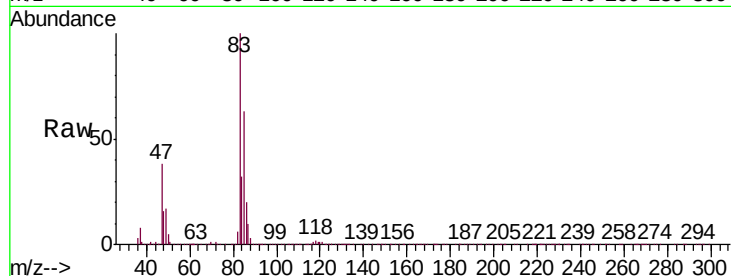




#25
Chloroform
Concen: 5.223 ug/L
RT: 7.23 min Scan# 912
Delta R.T. -0.01 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

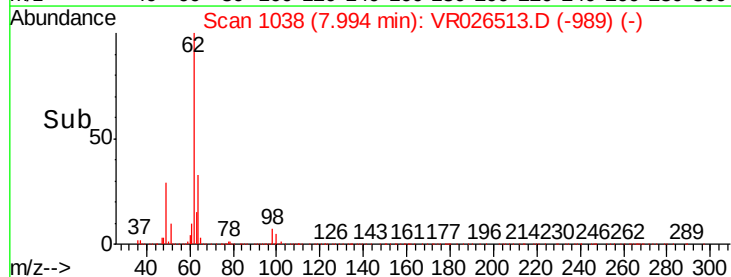
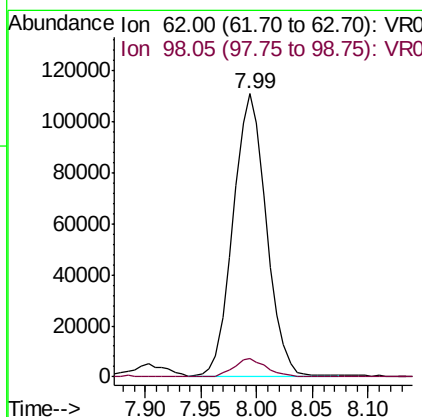
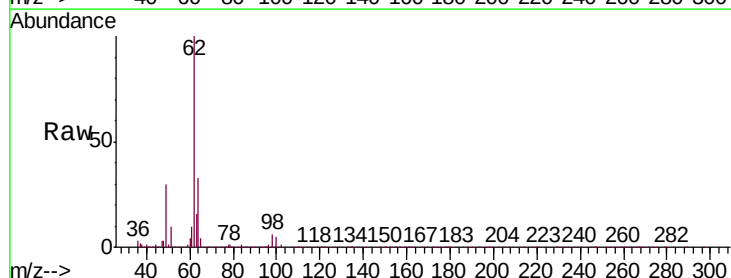
Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

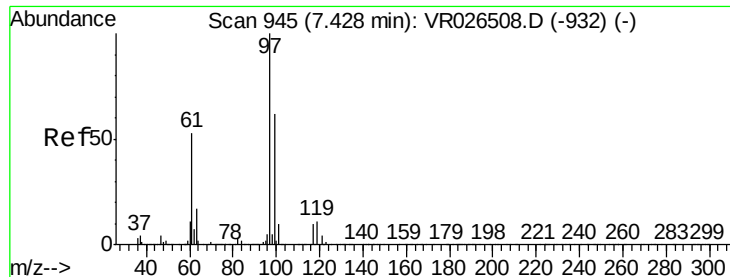
Tgt Ion: 83 Resp: 442654
Ion Ratio Lower Upper
83 100
85 63.0 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.396 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion: 62 Resp: 228074
Ion Ratio Lower Upper
62 100
98 6.5 4.8 7.2





#29

1,1,1-Trichloroethane

Concen: 4.567 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampled :

VSTD00565

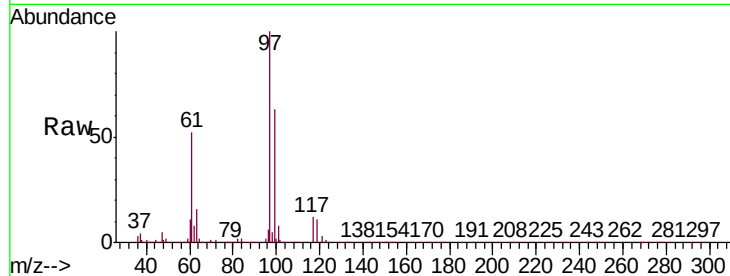
Tgt Ion: 97 Resp: 368633

Ion Ratio Lower Upper

97 100

99 62.9 49.6 74.4

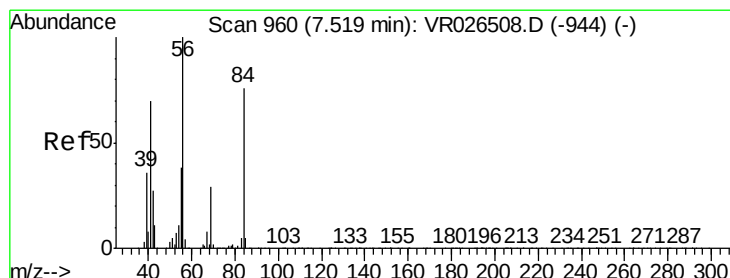
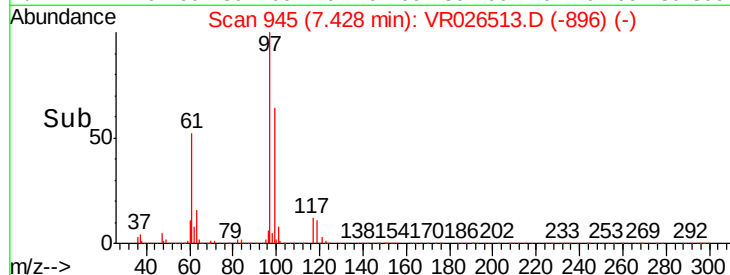
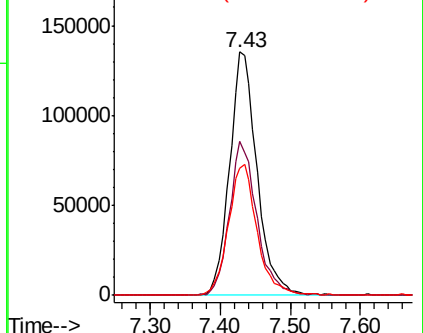
61 55.9 41.8 62.6



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: 5.060 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

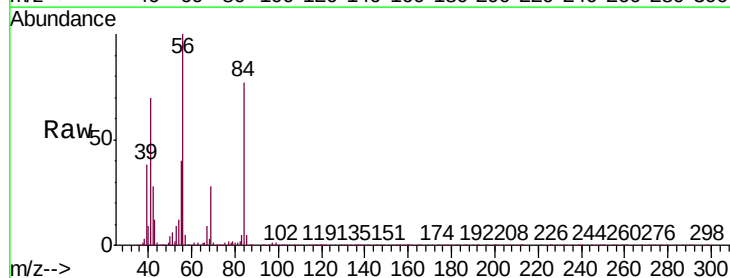
Tgt Ion: 56 Resp: 379531

Ion Ratio Lower Upper

56 100

69 27.7 22.6 33.8

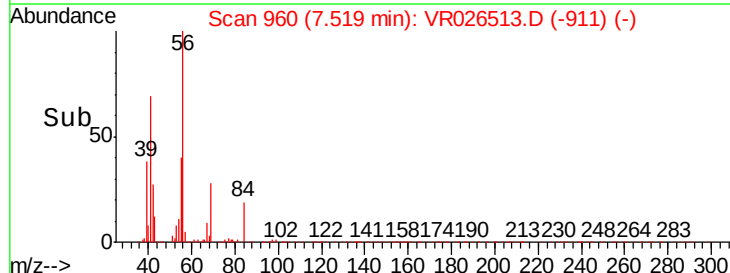
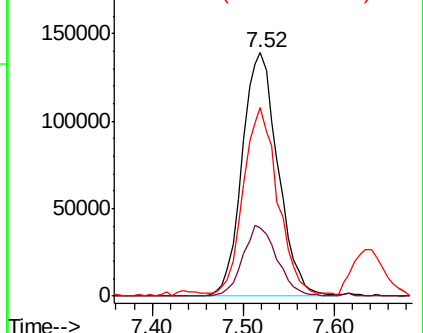
84 74.7 59.6 89.4

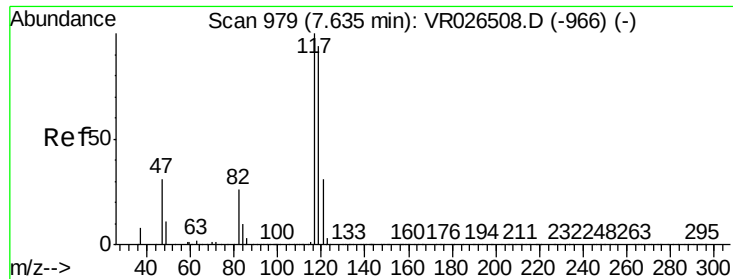


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.821 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

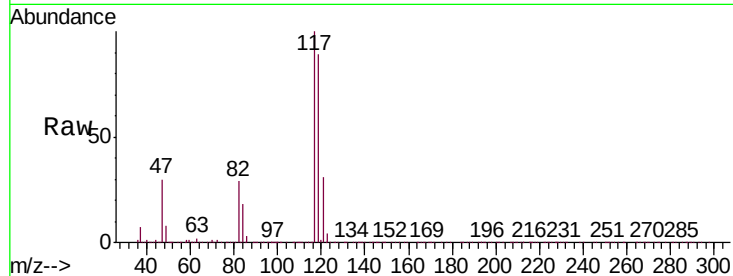
VSTD00565

Tgt Ion:117 Resp: 368688

Ion Ratio Lower Upper

117 100

119 94.5 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

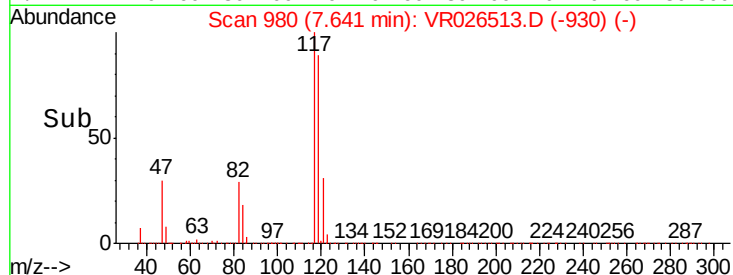
150000

100000

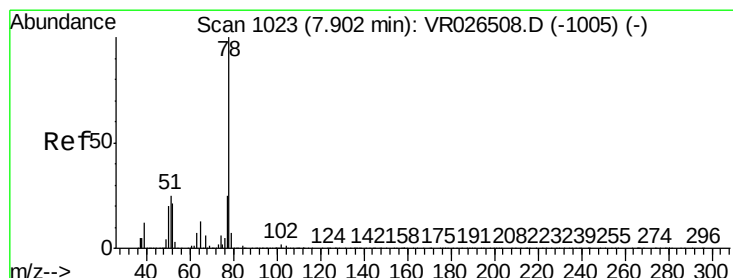
50000

0

7.50 7.60 7.70



Time-->



#33

Benzene

Concen: 5.079 ug/L

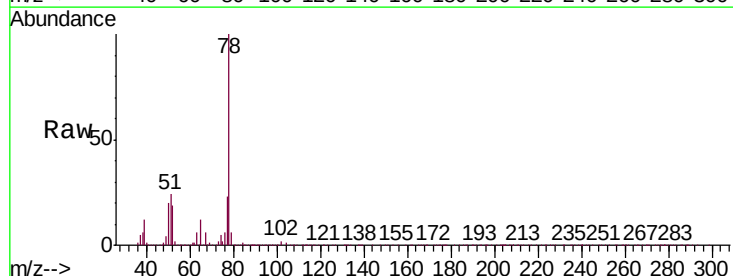
RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Tgt Ion: 78 Resp: 970766



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

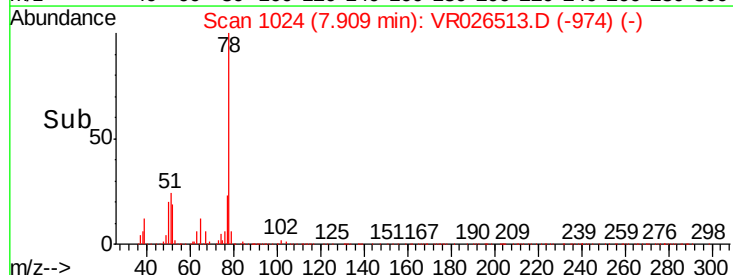
300000

200000

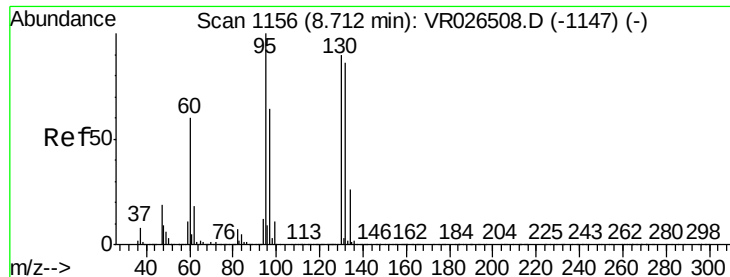
100000

0

7.80 7.90 8.00



Time-->



#34

Trichloroethene

Concen: 4.693 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 240244

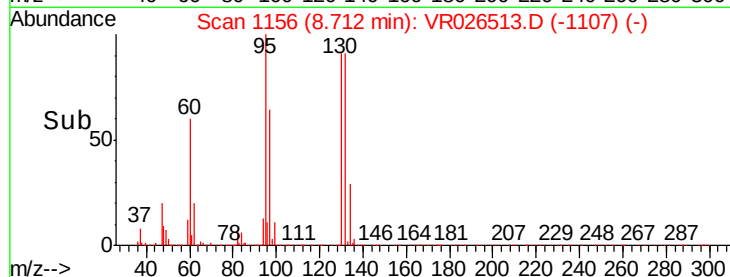
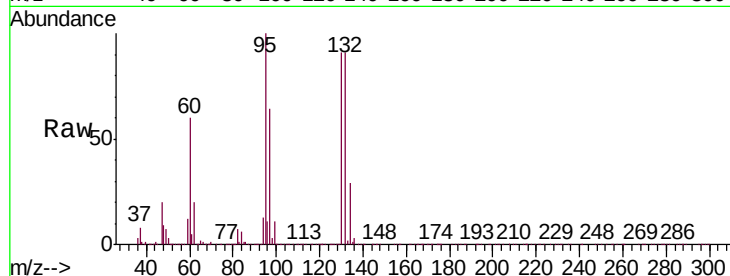
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.3

132 90.7 57.2 106.2

130 91.2 59.7 110.9

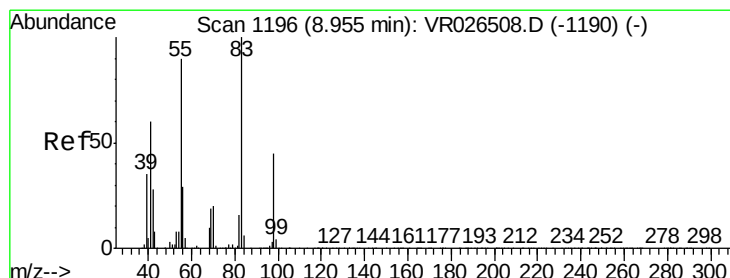
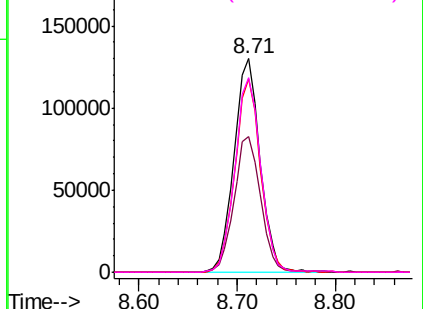


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.019 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

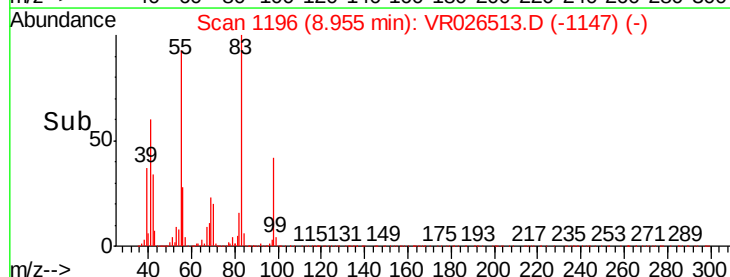
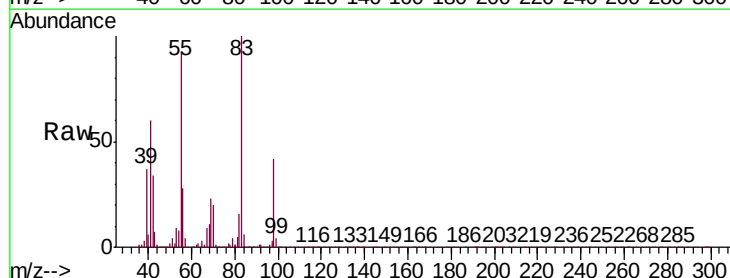
Tgt Ion: 83 Resp: 366445

Ion Ratio Lower Upper

83 100

55 89.9 73.8 110.6

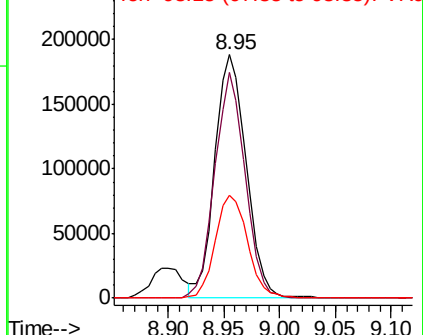
98 43.8 34.6 51.8

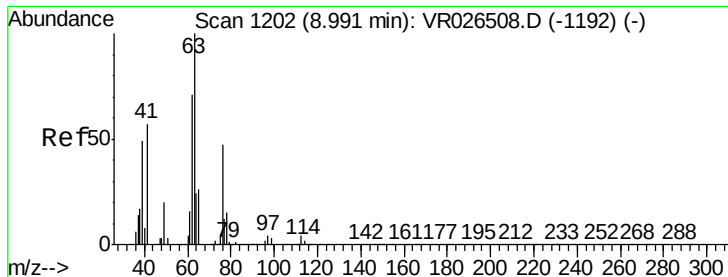


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

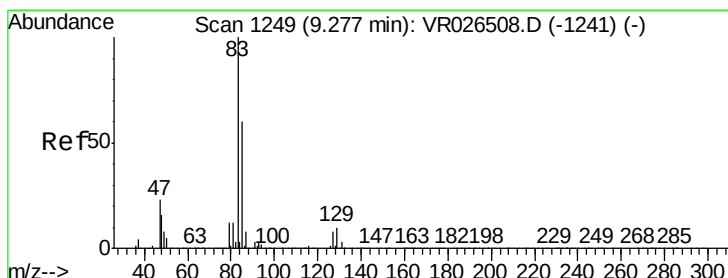
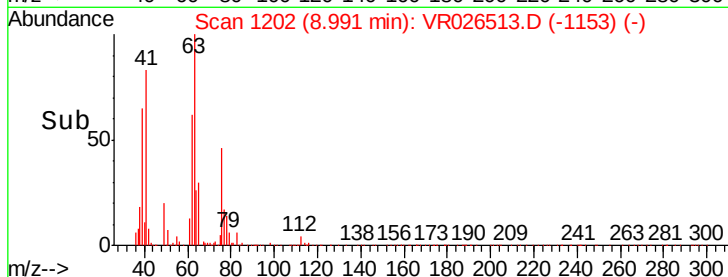
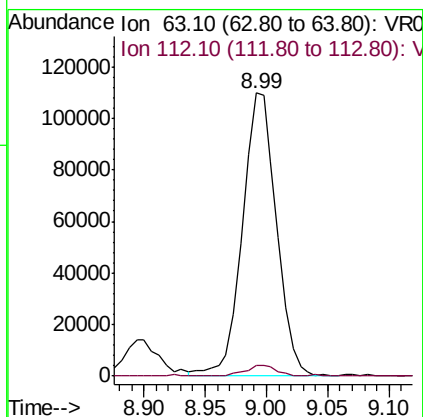
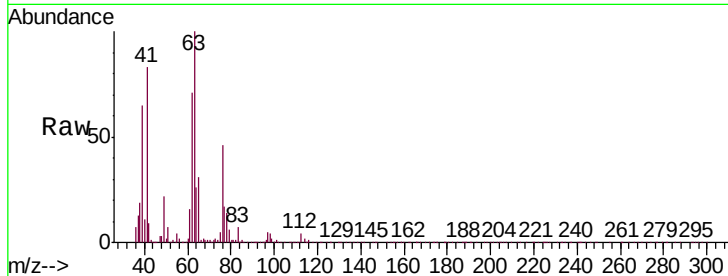




#37
 1,2-Dichloropropane
 Concen: 5.001 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

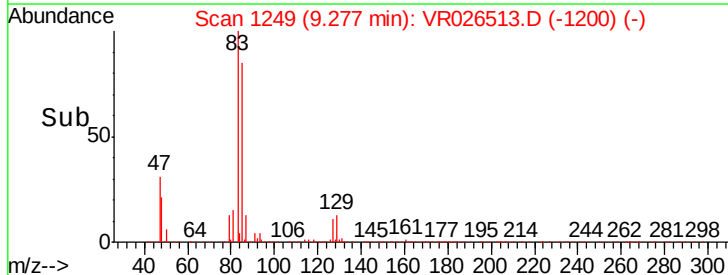
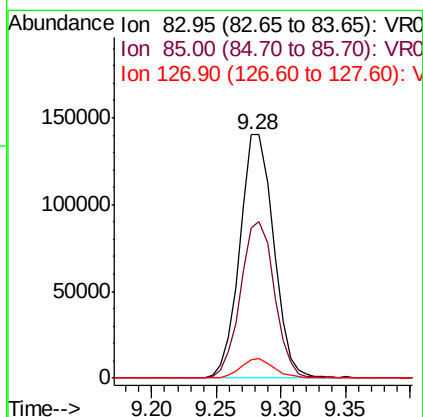
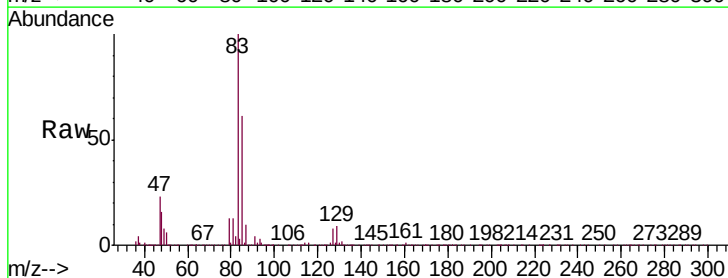
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00565

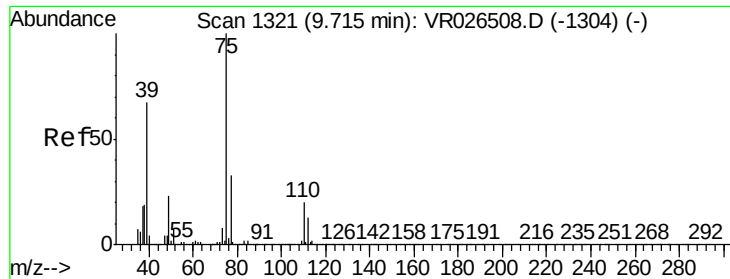
Tgt Ion: 63 Resp: 209452
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.284 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Tgt Ion: 83 Resp: 255750
 Ion Ratio Lower Upper
 83 100
 85 61.5 46.6 86.6
 127 7.7 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 5.684 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

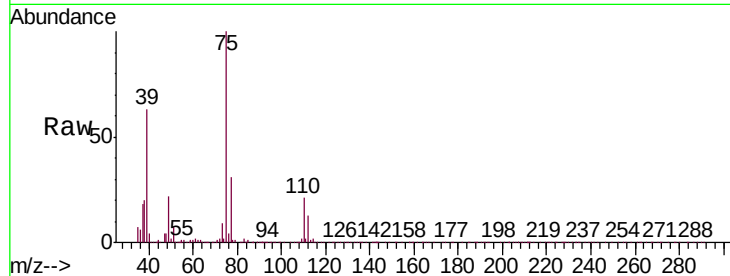
VSTD00565

Tgt Ion: 75 Resp: 258416

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

9.72

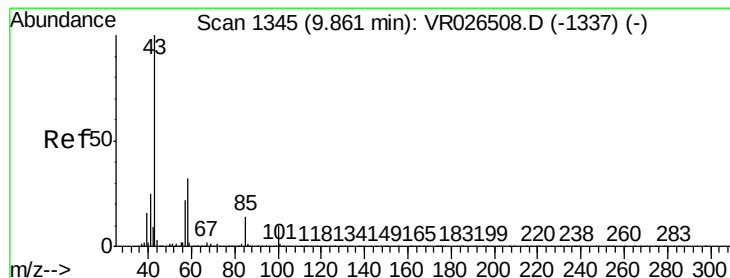
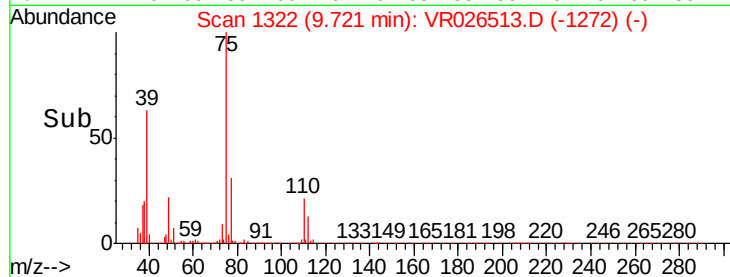
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 69.166 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

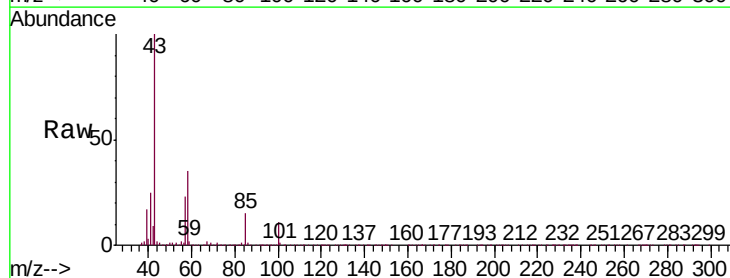
Tgt Ion: 43 Resp: 848897

Ion Ratio Lower Upper

43 100

58 32.9 27.0 40.4

100 10.2 8.9 13.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

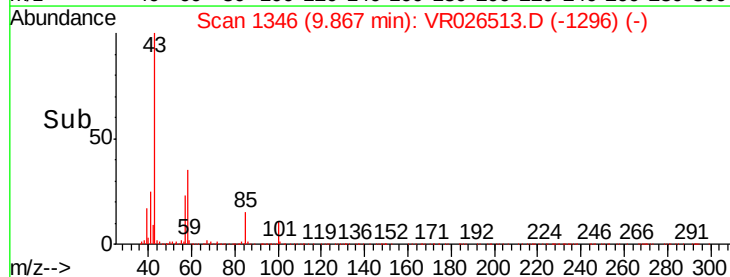
600000

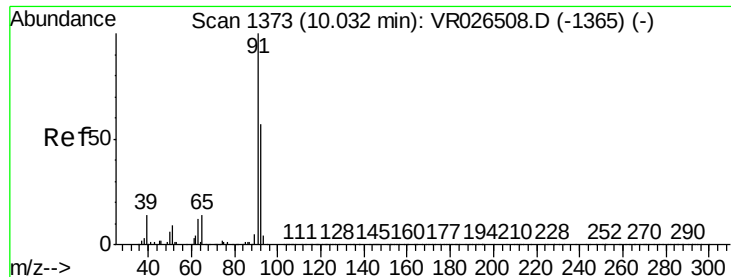
400000

200000

0

Time-->





#42

Toluene

Concen: 5.401 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

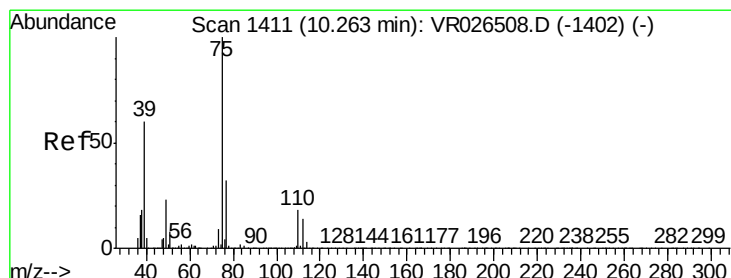
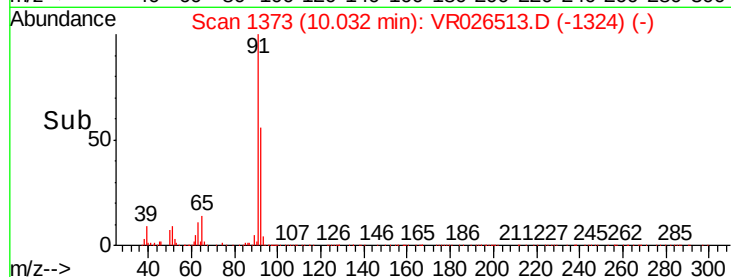
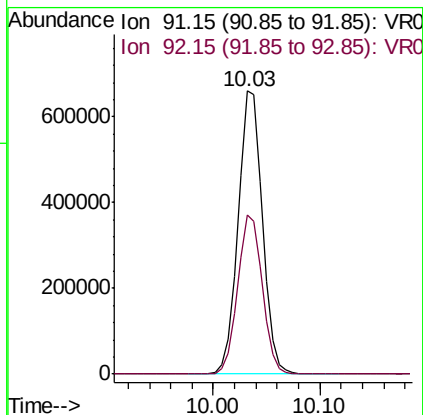
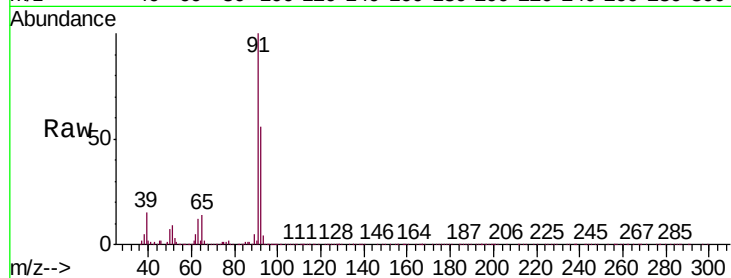
VSTD00565

Tgt Ion: 91 Resp: 1057915

Ion Ratio Lower Upper

91 100

92 56.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.456 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026513.D

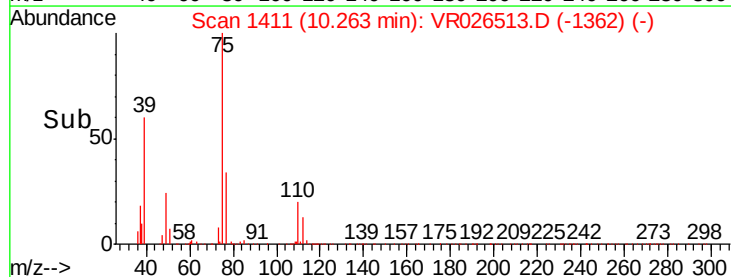
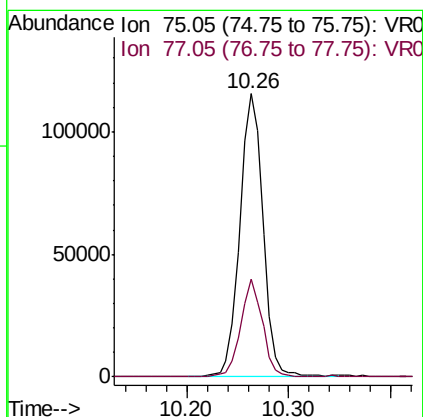
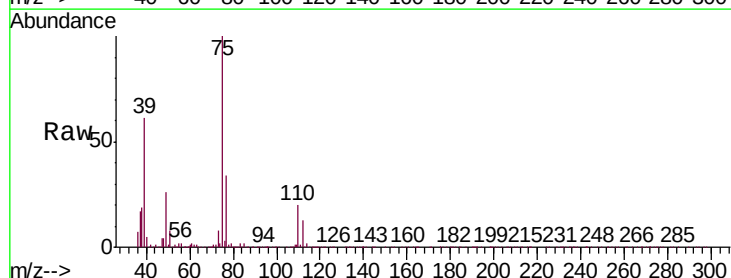
Acq: 8 Apr 2019 17:52

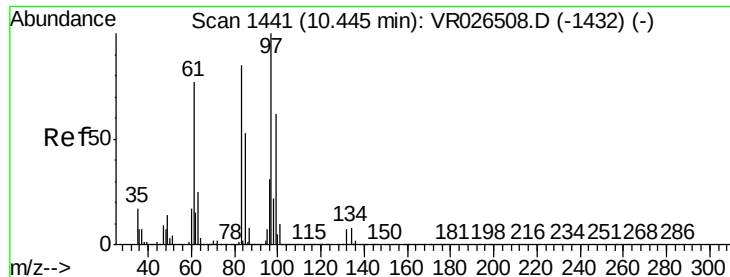
Tgt Ion: 75 Resp: 180935

Ion Ratio Lower Upper

75 100

77 34.4 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 5.793 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00565

Tgt Ion: 97 Resp: 98154

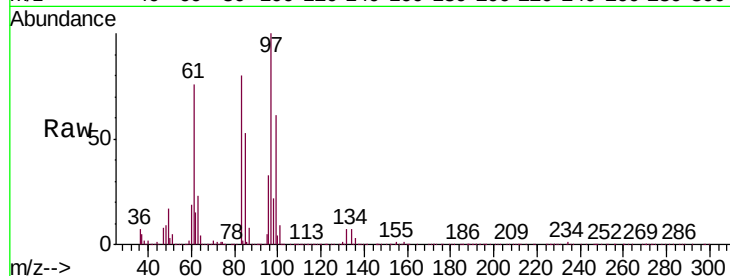
Ion Ratio Lower Upper

97 100

99 60.7 41.7 77.5

83 79.8 59.5 110.5

85 53.2 43.0 80.0

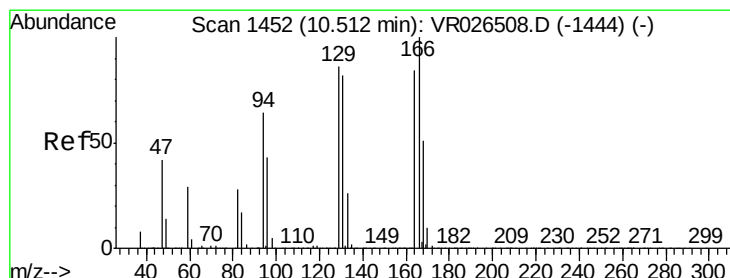
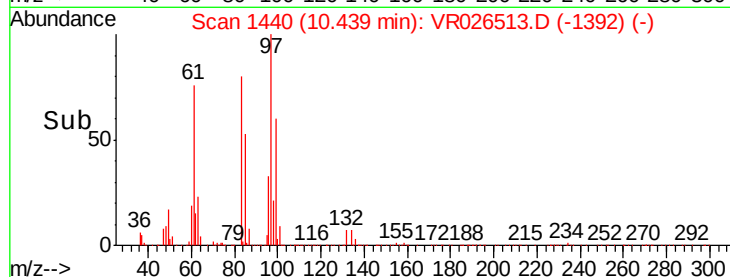
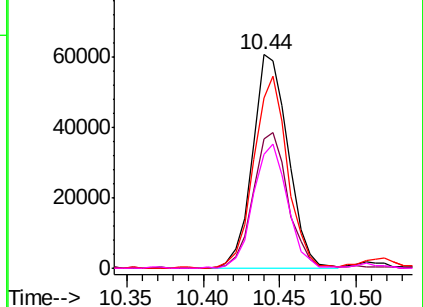


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.788 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Tgt Ion: 164 Resp: 174445

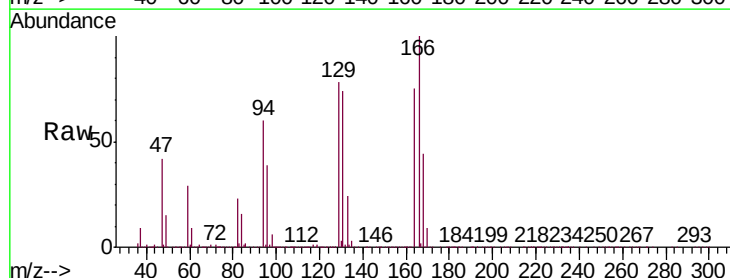
Ion Ratio Lower Upper

164 100

129 102.7 74.1 137.5

131 97.6 71.3 132.5

166 132.5 90.9 168.9

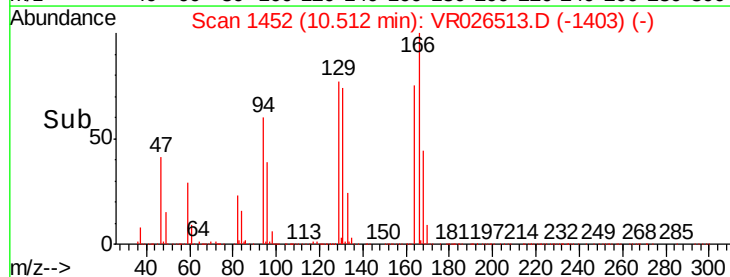
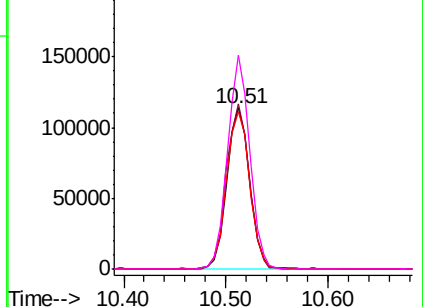


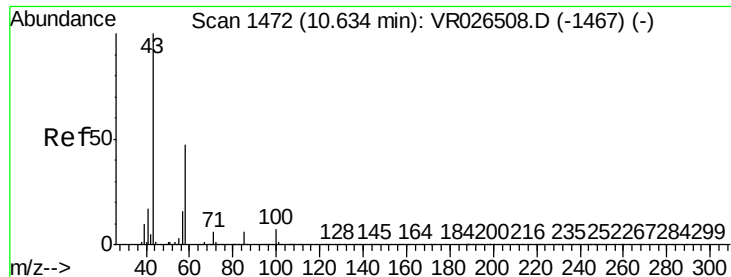
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

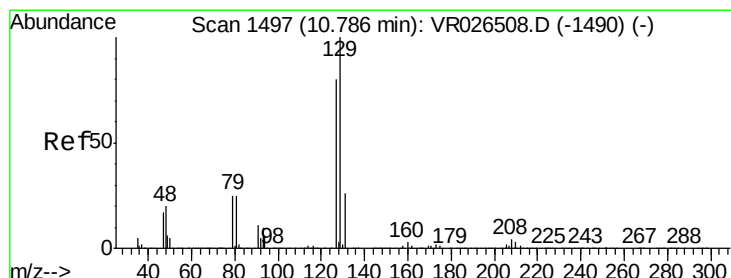
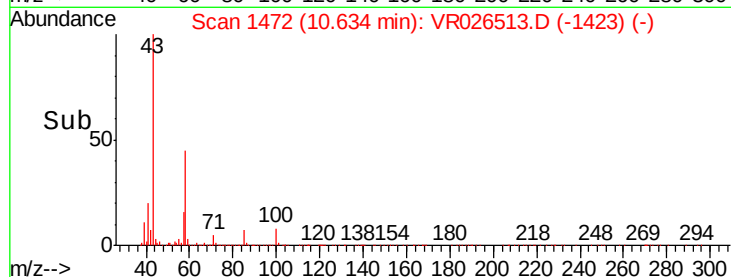
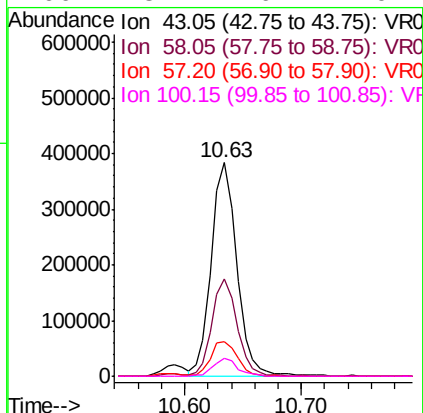
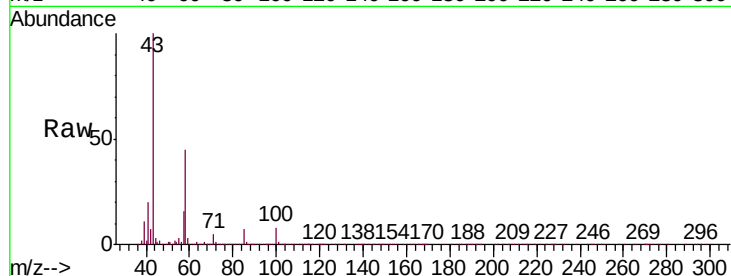




#48
2-Hexanone
Concen: 70.784 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

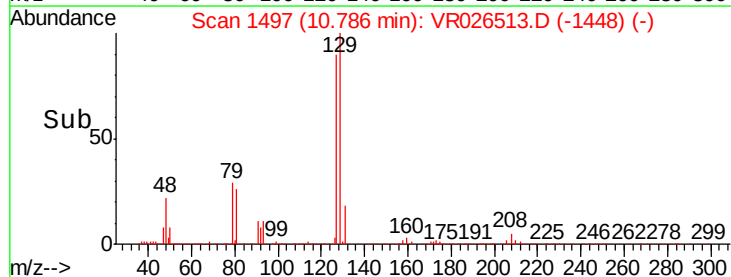
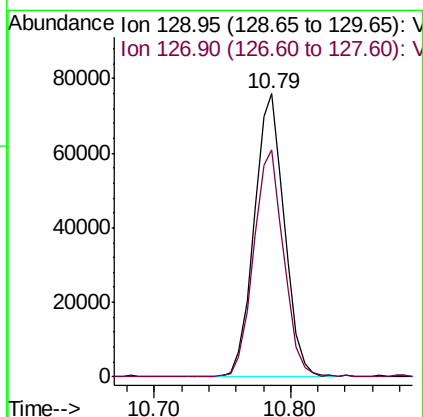
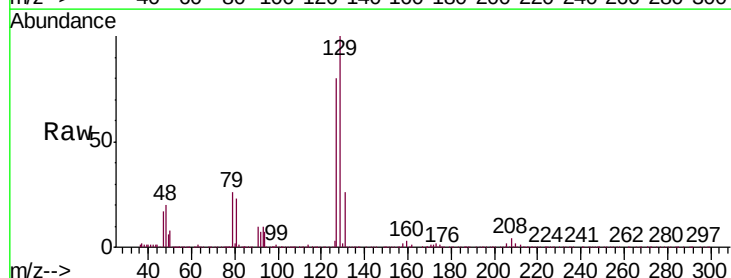
Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

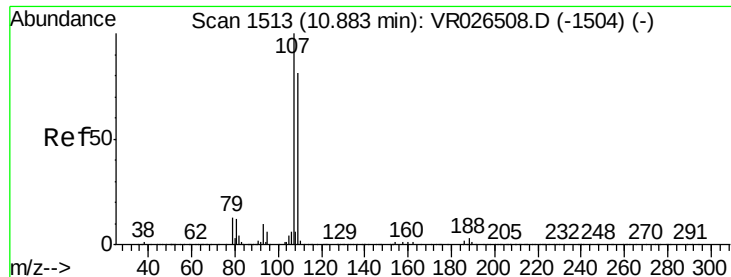
Tgt Ion:	43	Resp:	577847
Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.2	57.2
57	17.0	13.8	20.6
100	8.2	6.2	9.2



#49
Dibromochloromethane
Concen: 5.313 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion:	129	Resp:	117920
Ion	Ratio	Lower	Upper
129	100		
127	80.3	50.2	93.2

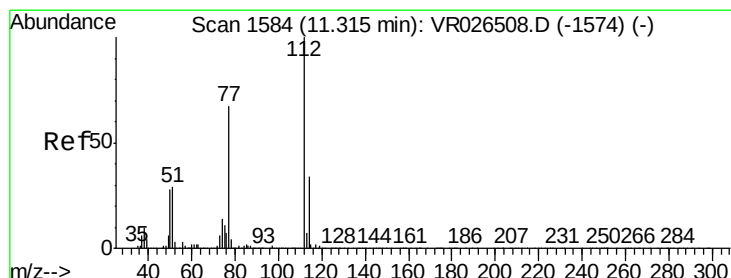
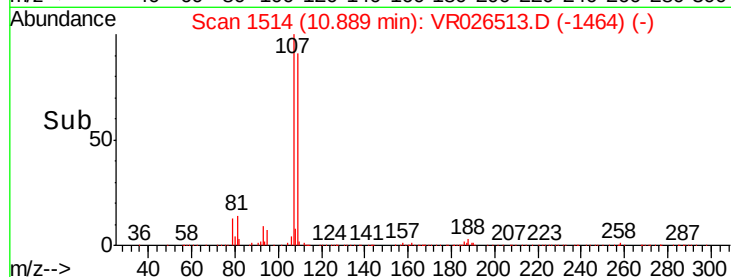
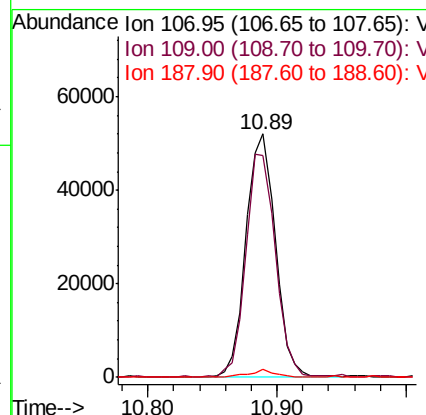
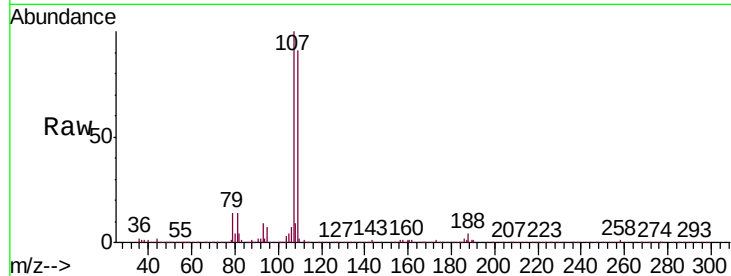




#50
1,2-Dibromoethane
Concen: 5.594 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

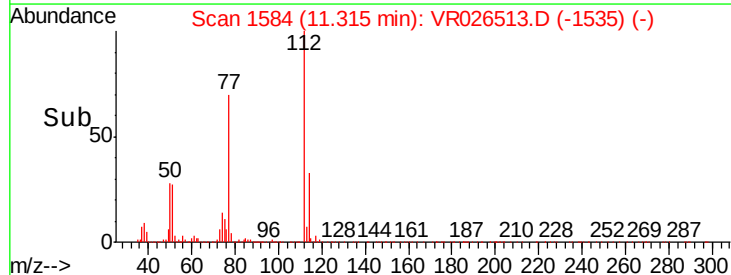
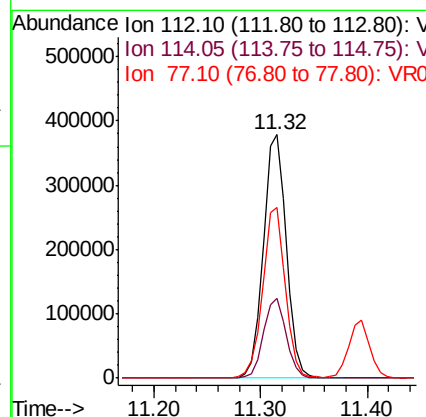
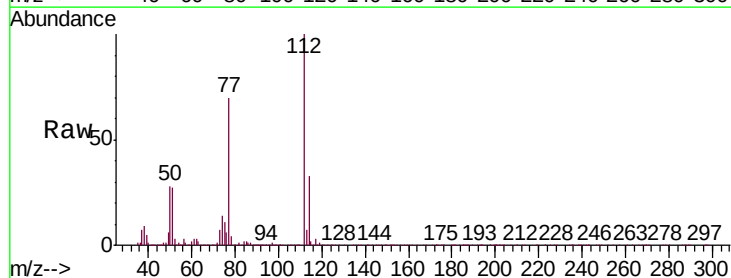
Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

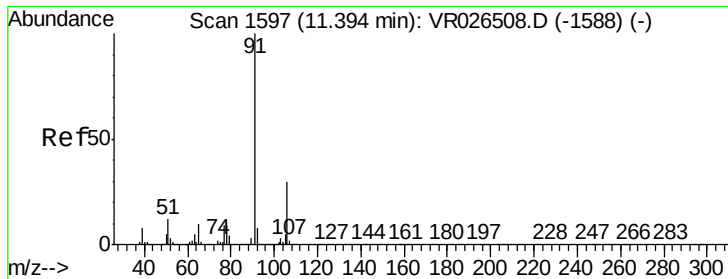
Tgt Ion:107 Resp: 81526
Ion Ratio Lower Upper
107 100
109 91.0 66.8 124.2
188 3.5 2.8 4.2



#51
Chlorobenzene
Concen: 5.192 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion:112 Resp: 570648
Ion Ratio Lower Upper
112 100
114 32.5 23.1 42.9
77 70.1 53.8 80.8





#52

Ethylbenzene

Concen: 5.442 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

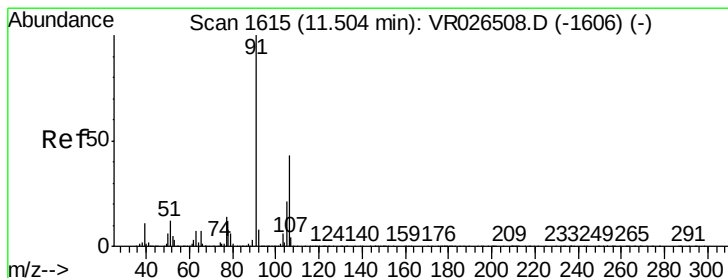
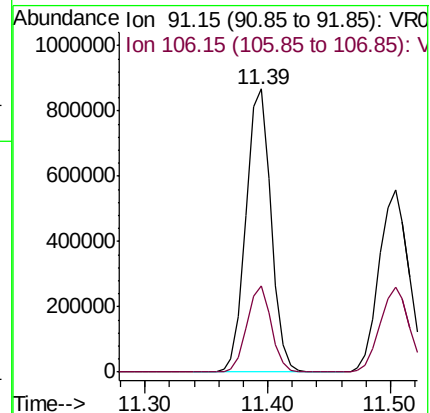
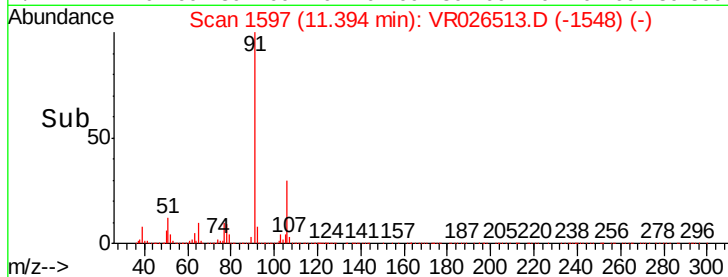
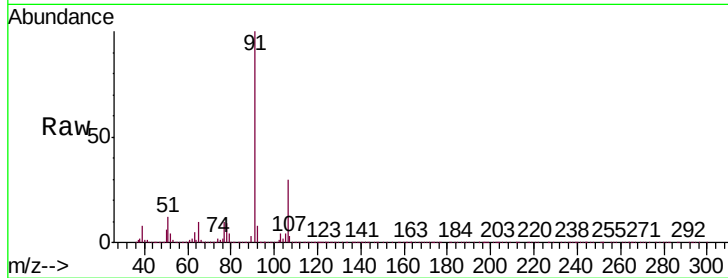
VSTD00565

Tgt Ion: 91 Resp: 1228020

Ion Ratio Lower Upper

91 100

106 30.5 20.7 38.5



#53

m,p-Xylene

Concen: 5.355 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026513.D

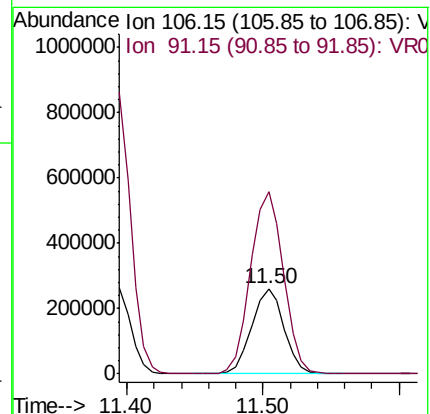
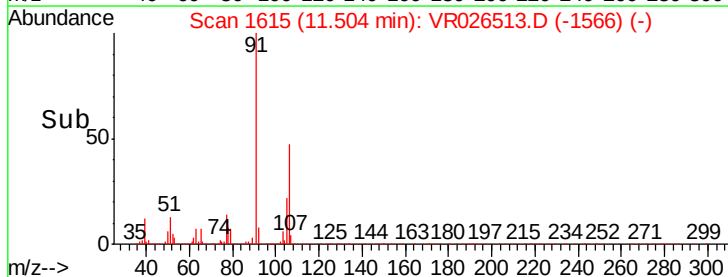
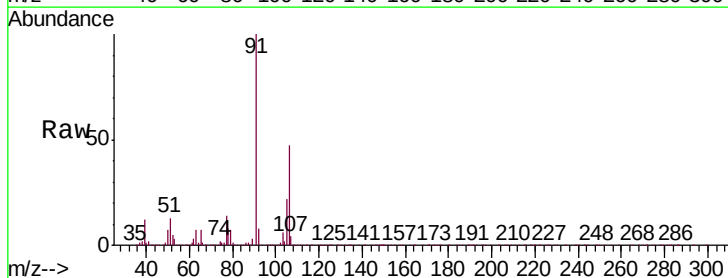
Acq: 8 Apr 2019 17:52

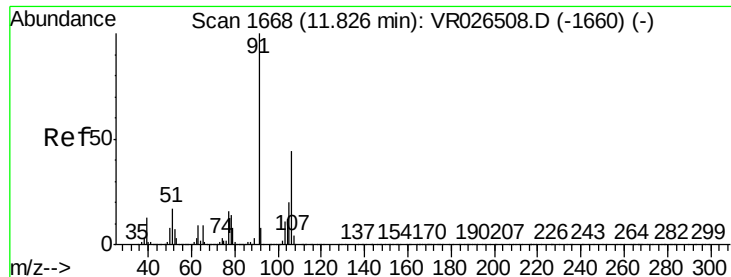
Tgt Ion: 106 Resp: 433075

Ion Ratio Lower Upper

106 100

91 214.5 155.6 289.0

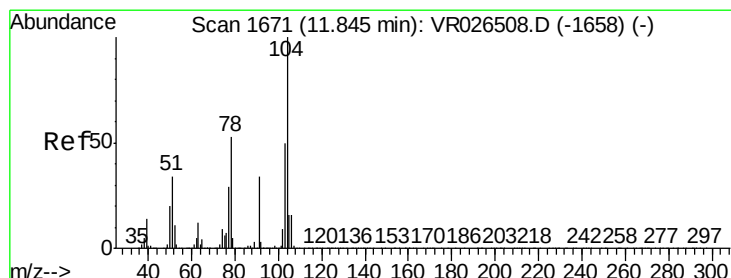
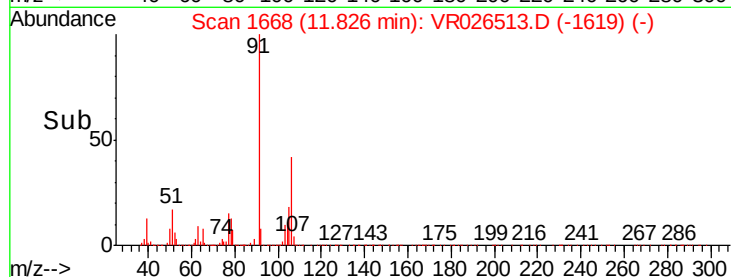
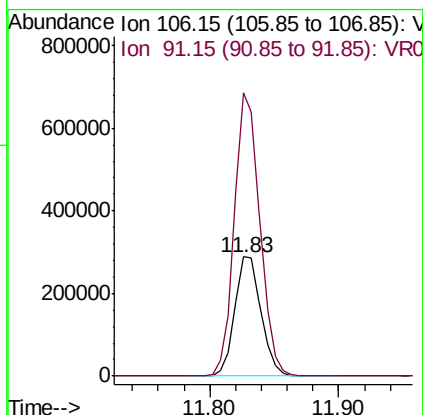
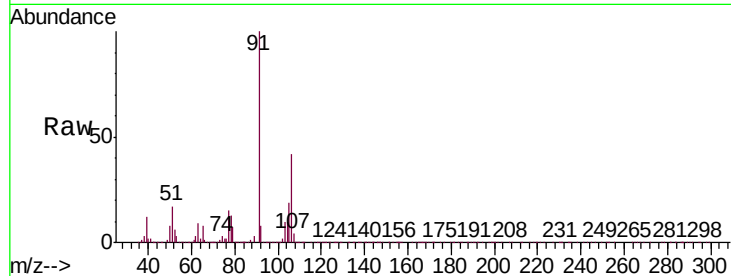




#54
o-Xylene
Concen: 5.770 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

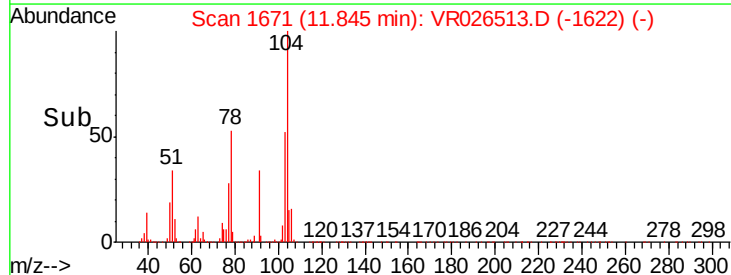
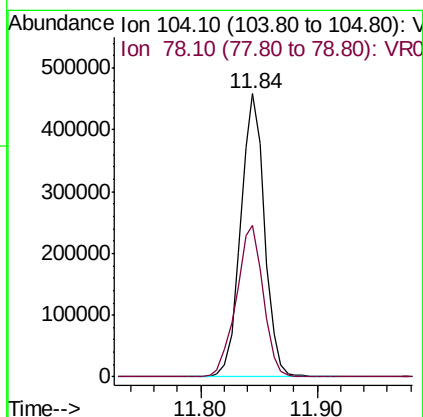
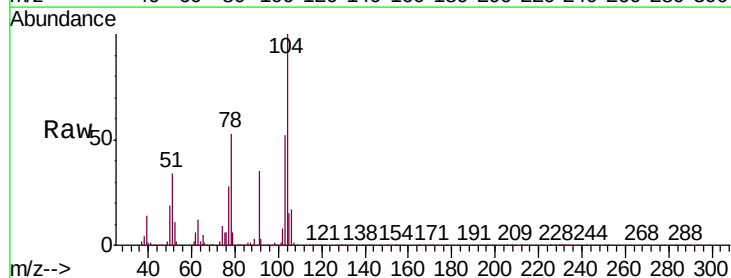
Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

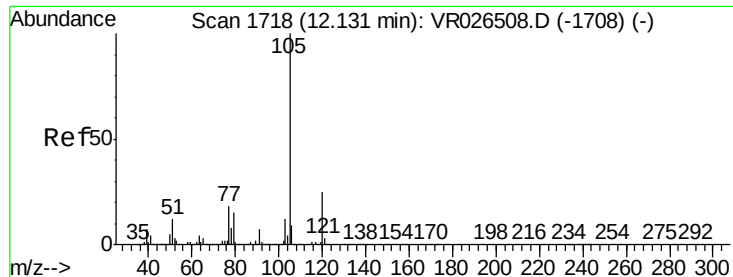
Tgt Ion:106 Resp: 410045
Ion Ratio Lower Upper
106 100
91 237.2 166.2 308.6



#55
Styrene
Concen: 5.818 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion:104 Resp: 652683
Ion Ratio Lower Upper
104 100
78 53.3 35.2 65.4





#56

Isopropylbenzene

Concen: 5.728 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampleId :

VSTD00565

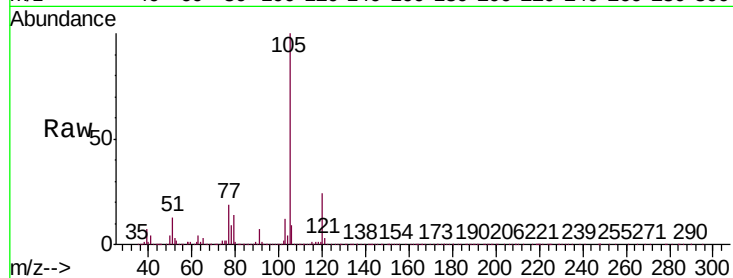
Tgt Ion:105 Resp: 1155264

Ion Ratio Lower Upper

105 100

120 24.8 20.2 30.2

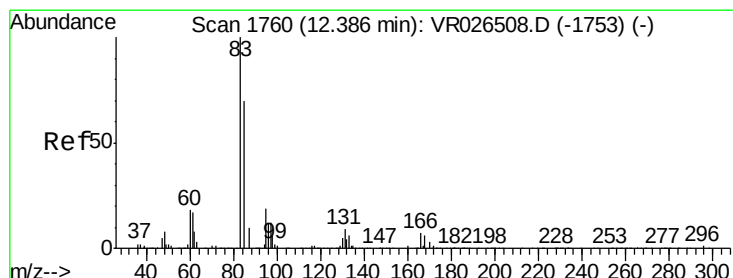
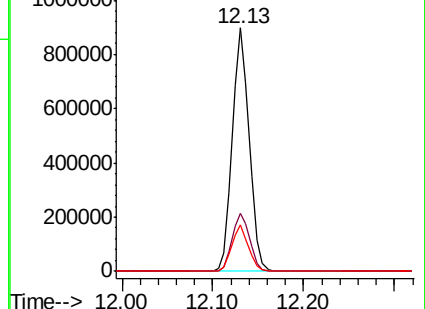
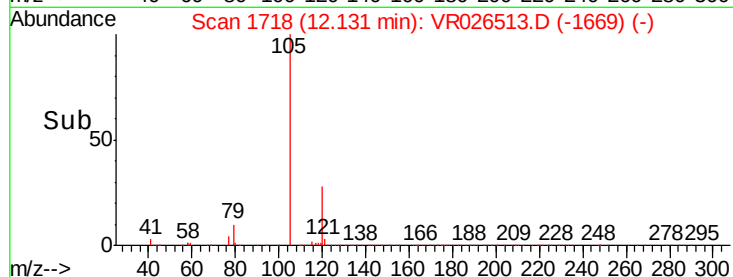
77 18.7 14.7 22.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.958 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

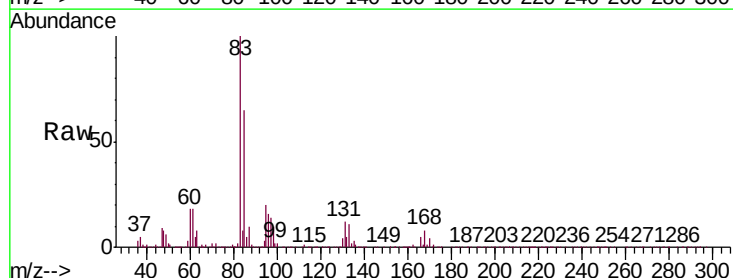
Tgt Ion: 83 Resp: 98026

Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

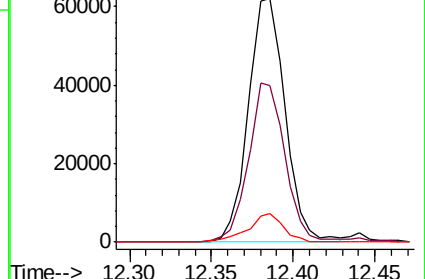
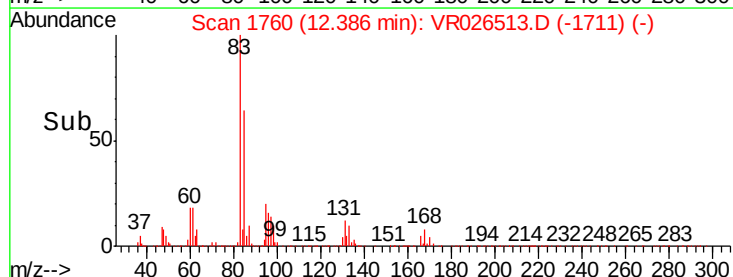
131 12.0 6.9 10.3#

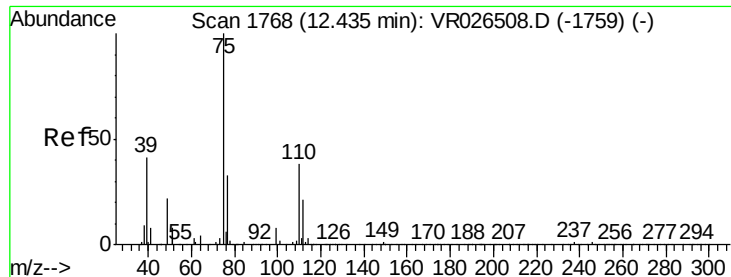


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

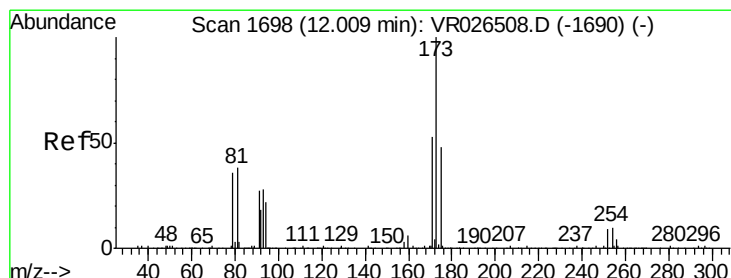
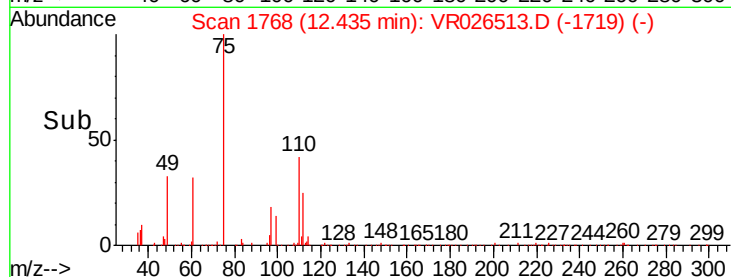
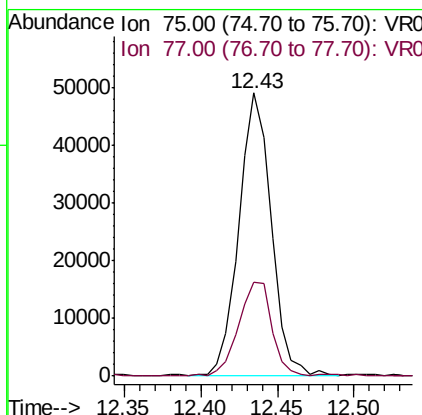
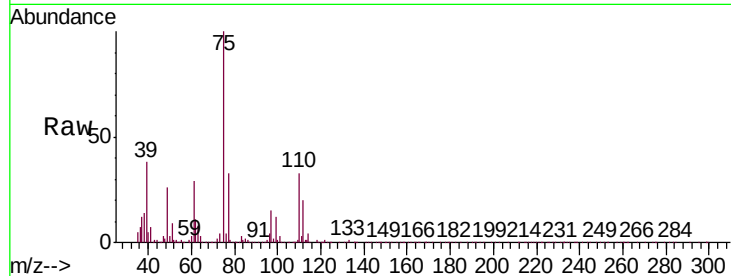




#59
 1,2,3-Trichloropropane
 Concen: 5.643 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

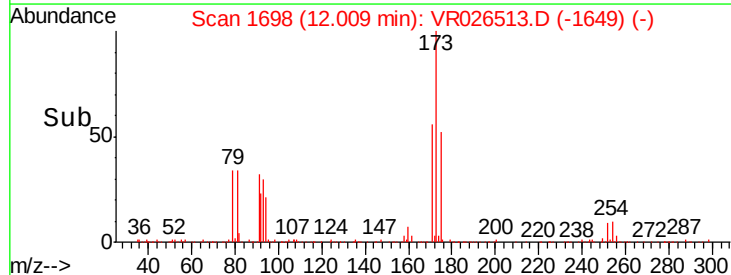
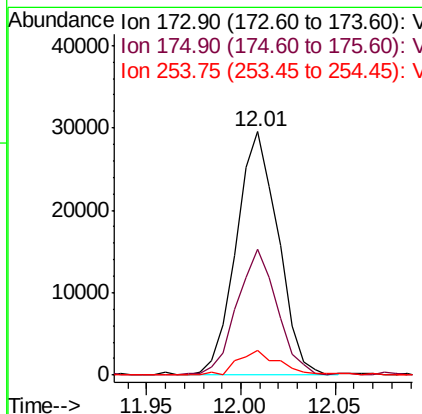
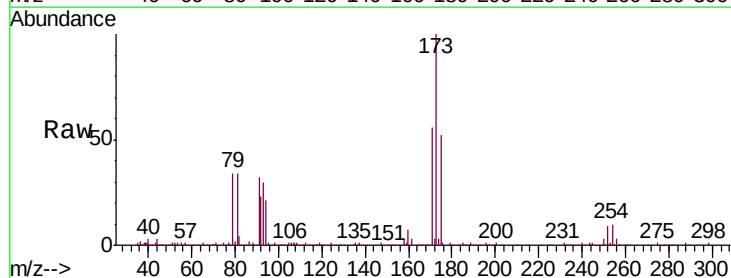
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00565

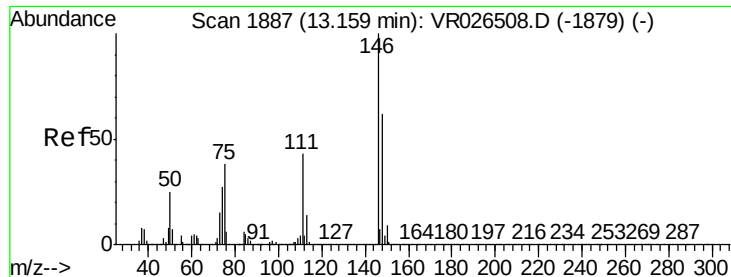
Tgt Ion: 75 Resp: 71218
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.0 37.4



#61
 Bromoform
 Concen: 4.686 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Tgt Ion: 173 Resp: 45134
 Ion Ratio Lower Upper
 173 100
 175 50.2 36.6 54.8
 254 10.9 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.886 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

Instrument :

MSVOA_R

ClientSampled :

VSTD00565

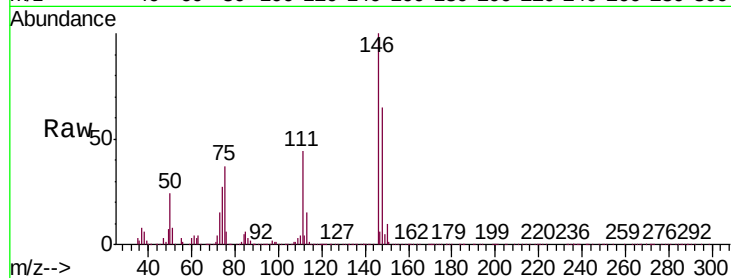
Tgt Ion:146 Resp: 338052

Ion Ratio Lower Upper

146 100

111 44.3 30.4 56.5

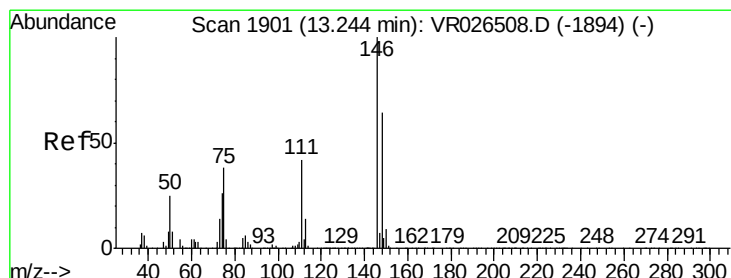
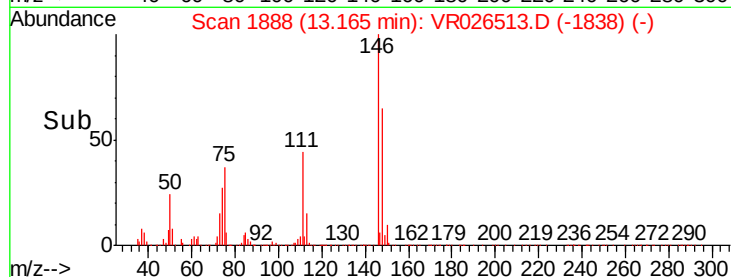
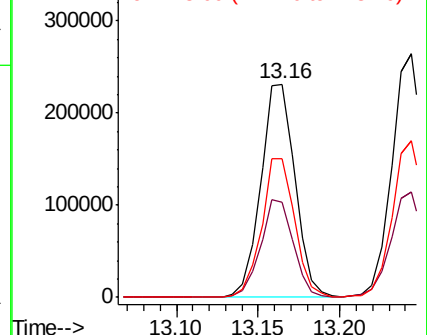
148 64.7 45.4 84.2



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: 4.788 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026513.D

Acq: 8 Apr 2019 17:52

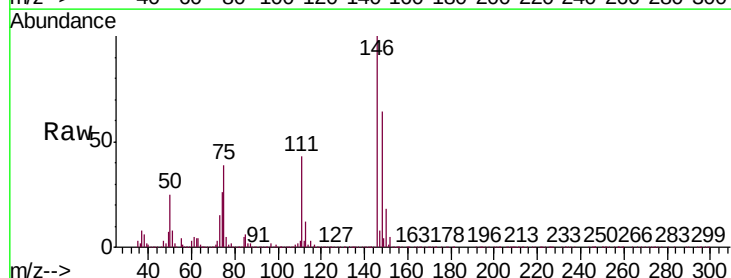
Tgt Ion:146 Resp: 371892

Ion Ratio Lower Upper

146 100

111 43.2 30.5 56.7

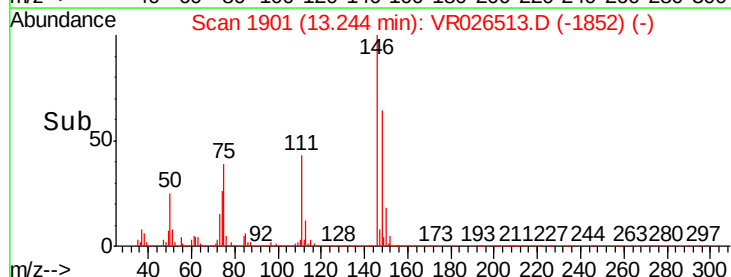
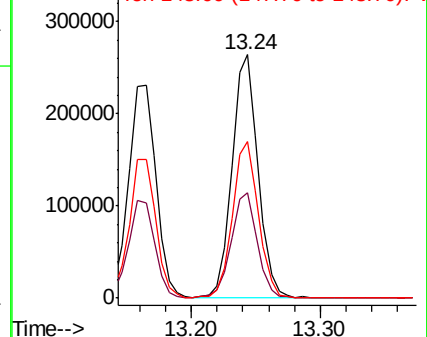
148 64.2 45.0 83.6

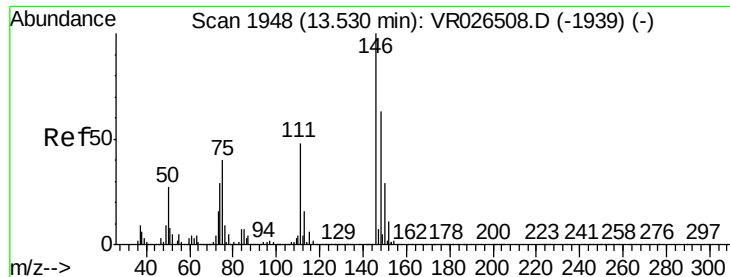


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

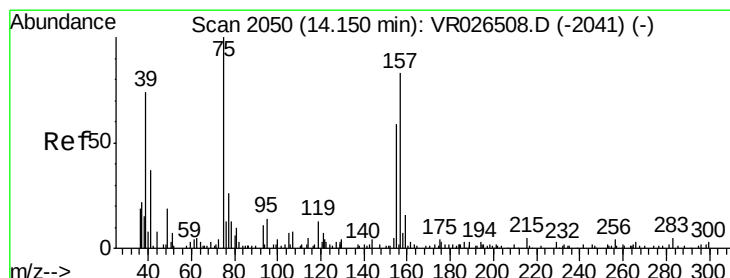
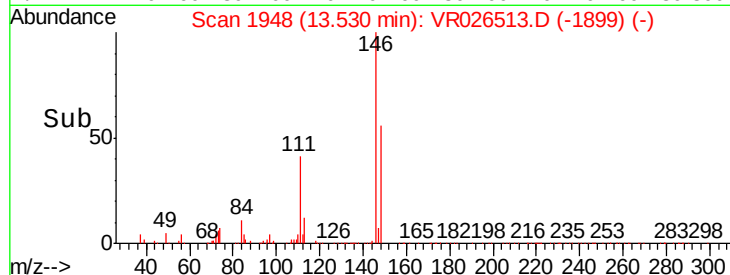
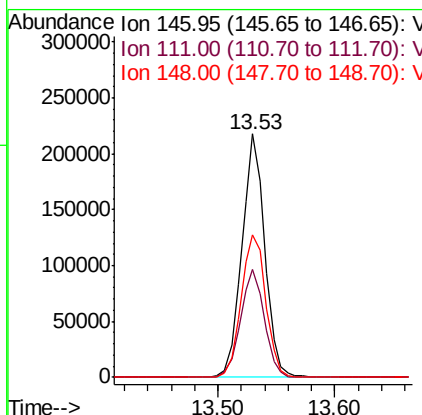
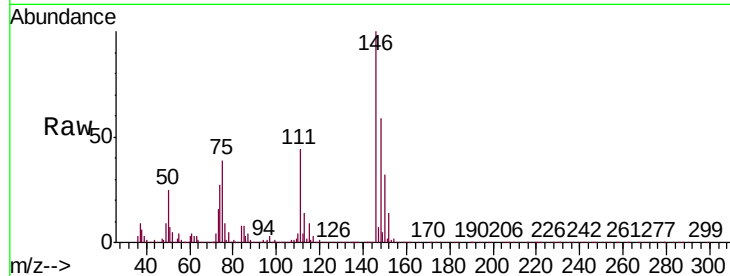




#65
 1,2-Dichlorobenzene
 Concen: 5.184 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

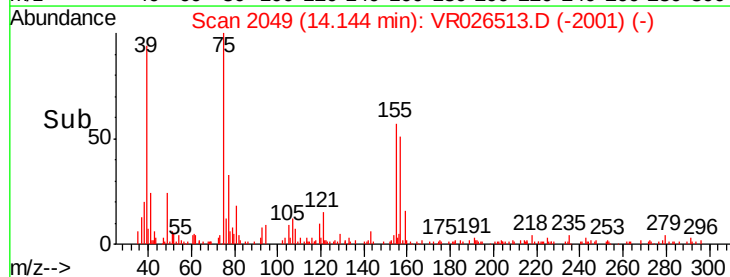
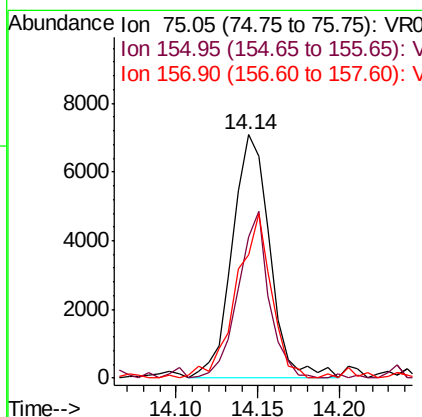
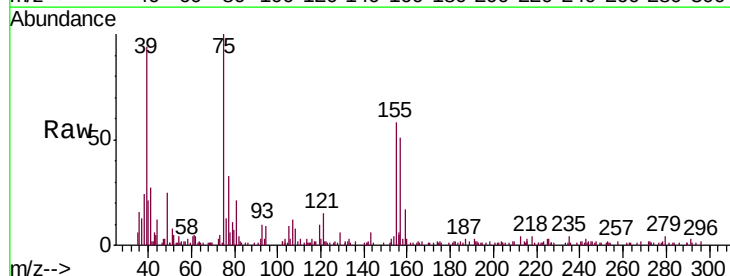
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00565

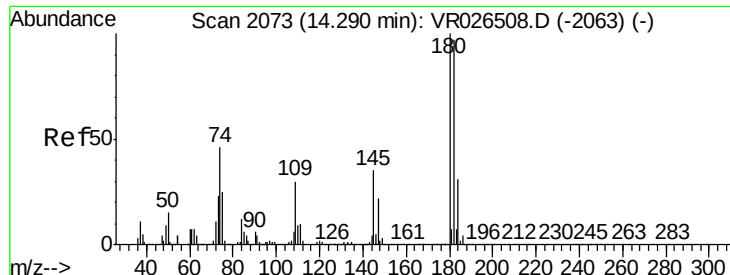
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	35.8	53.6
148	58.7	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.150 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.3	36.1	54.1#
157	50.8	62.4	93.6#

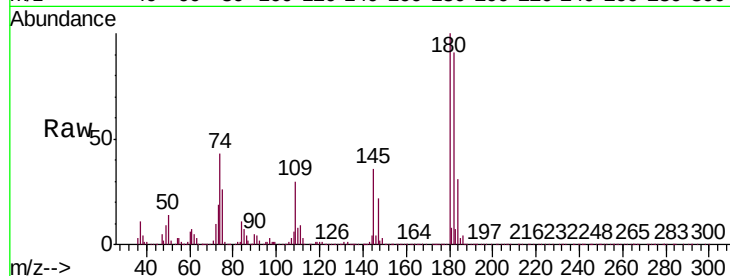




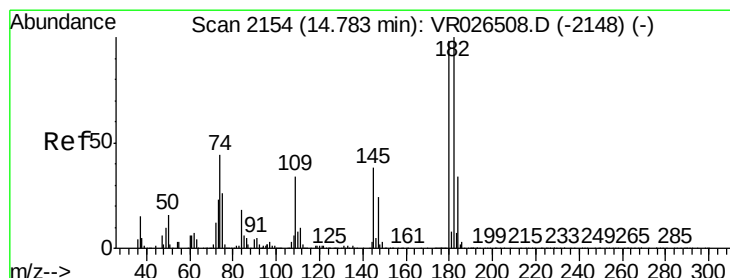
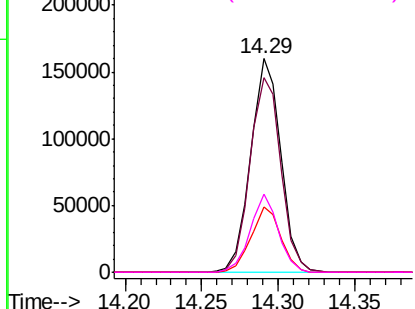
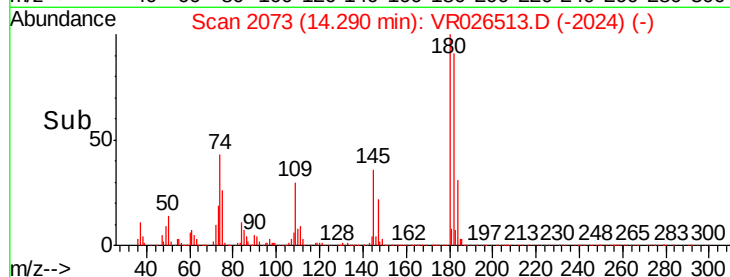
#67
 1,3,5-Trichlorobenzene
 Concen: 4.841 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00565

Tgt Ion:	180	Resp:	218829
Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.8	113.6
184	30.7	25.0	37.4
145	33.8	28.0	42.0

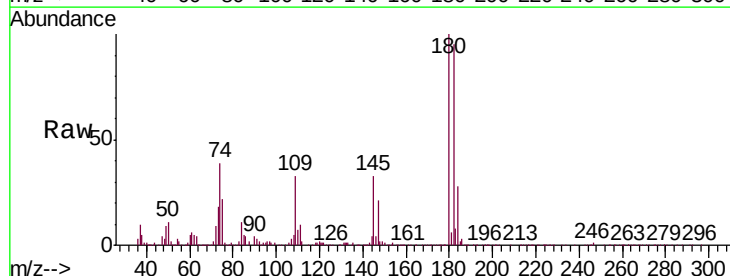


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

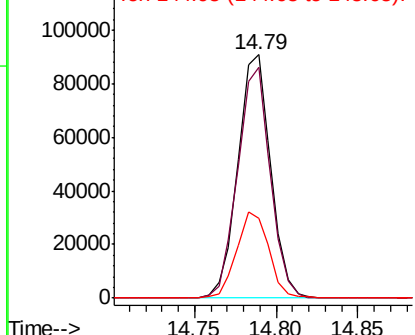
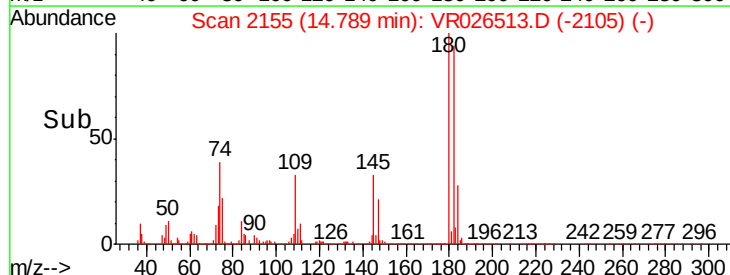


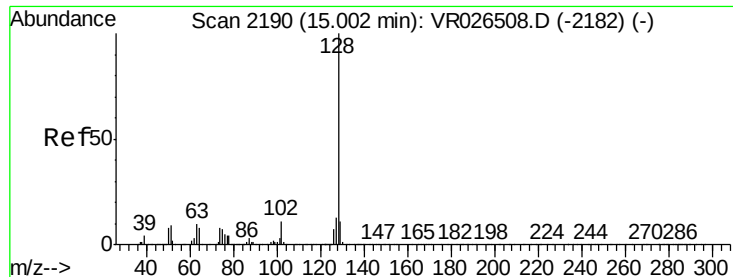
#68
 1,2,4-trichlorobenzene
 Concen: 5.050 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026513.D
 Acq: 8 Apr 2019 17:52

Tgt Ion:	180	Resp:	126870
Ion	Ratio	Lower	Upper
180	100		
182	94.9	73.0	109.6
145	34.4	26.7	40.1



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

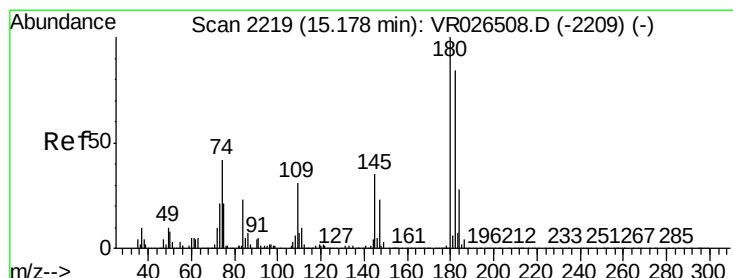
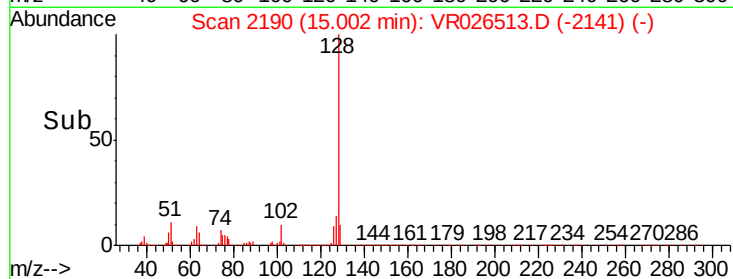
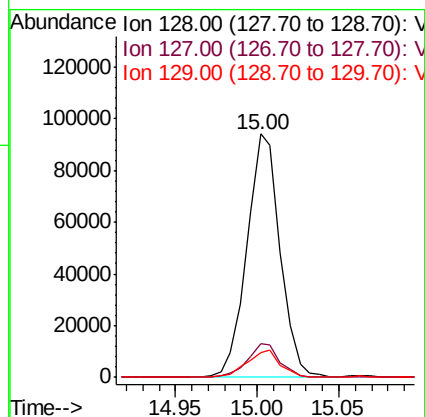
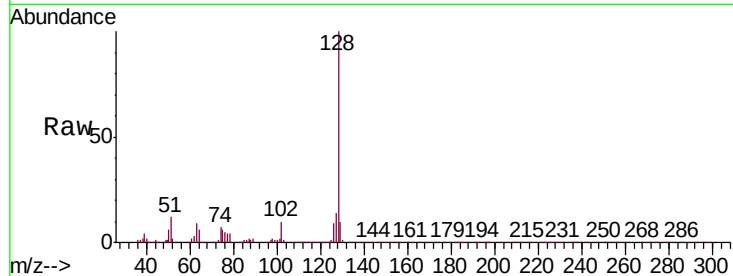




#69
Naphthalene
Concen: 5.653 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Instrument :
MSVOA_R
ClientSampleId :
VSTD00565

Tgt Ion:128 Resp: 133573
Ion Ratio Lower Upper
128 100
127 13.2 11.4 17.0
129 11.3 9.0 13.4



#70
1,2,3-Trichlorobenzene
Concen: 6.095 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VR026513.D
Acq: 8 Apr 2019 17:52

Tgt Ion:180 Resp: 106130
Ion Ratio Lower Upper
180 100
182 92.3 73.1 109.7
145 36.0 28.6 42.8

