

Data File : VR026412.D
Acq On : 27 Feb 2019 19:29
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Quant Time: Feb 28 07:35:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 28 07:30:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	503456	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	423441	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	172391	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	218146	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	2.62	69	184343	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	3.61	63	590126	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	6.58	46	147561	41.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.10%
24) Chloroform-d	7.20	84	361775	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	7.89	65	141713	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	7.85	84	678661	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	8.89	67	168610	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	9.97	98	662630	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.23	79	39979	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	10.59	63	130393	48.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65535	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	120369	4.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	228401	5.376	ug/L	99
3) Chloromethane	2.01	50	294514	5.492	ug/L	98
5) Vinyl chloride	2.15	62	285097	5.483	ug/L	96
6) Bromomethane	2.52	94	159386	5.321	ug/L	100
8) Chloroethane	2.65	64	164088	5.245	ug/L	89
9) Trichlorofluoromethane	2.94	101	411845	6.087	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	227807	5.778	ug/L	96
12) 1,1-Dichloroethene	3.63	96	241404	5.488	ug/L	85
13) Acetone	3.70	43	181048	55.986	ug/L	99
14) Carbon disulfide	3.92	76	726984	5.188	ug/L	97
15) Methyl Acetate	4.19	43	46121	5.039	ug/L	93
16) Methylene chloride	4.40	84	194180	5.052	ug/L	90
17) Methyl tert-butyl Ether	4.89	73	214004	5.200	ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	206663	5.151	ug/L	94
19) 1,1-Dichloroethane	5.69	63	373554	5.083	ug/L	98
21) 2-Butanone	6.69	43	215126	53.078	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	181159	5.378	ug/L #	89

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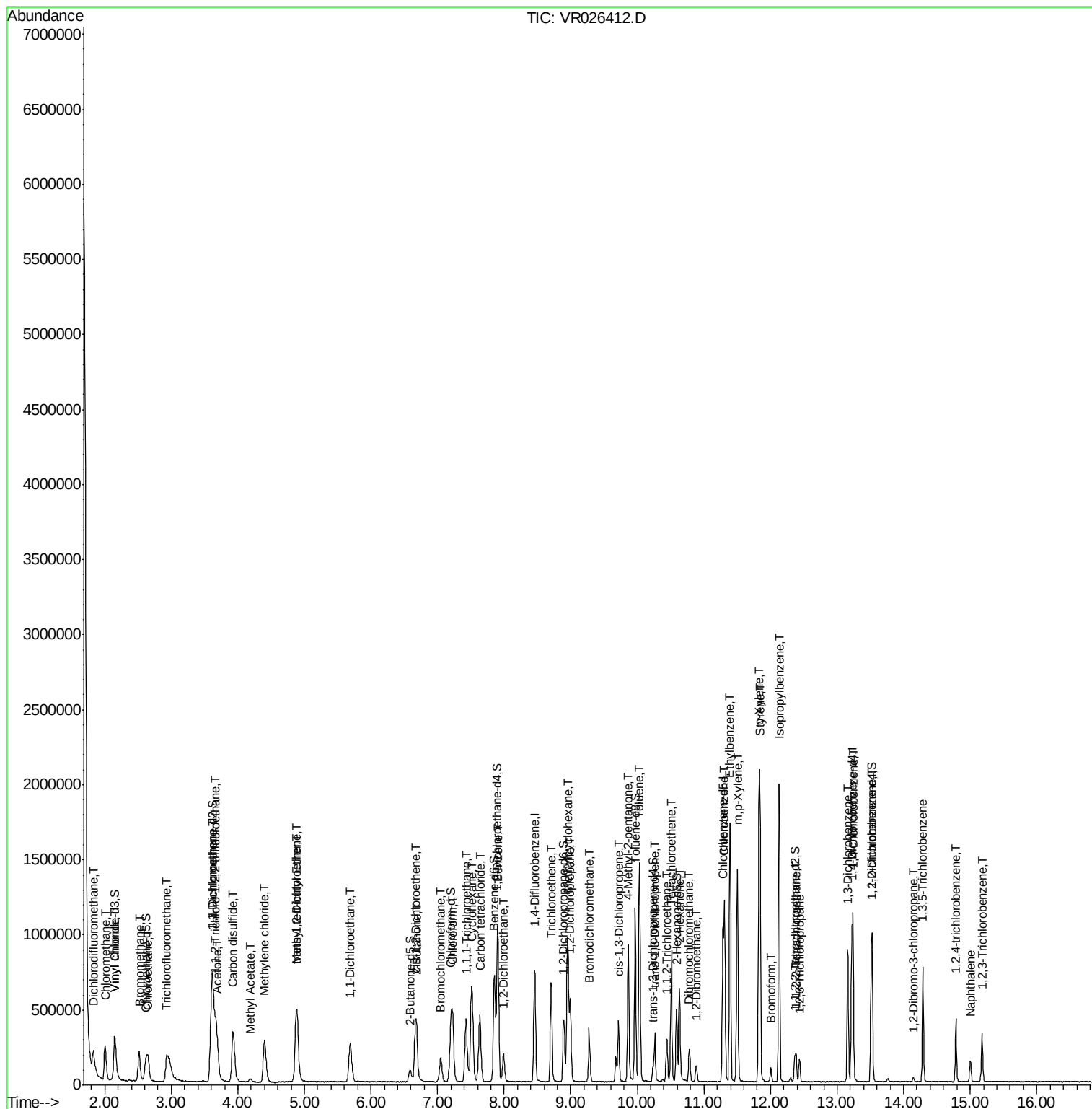
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	52352	5.017	ug/L	89
25) Chloroform	7.23	83	361838	5.134	ug/L	100
27) 1,2-Dichloroethane	7.99	62	174794	5.241	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	329308	5.366	ug/L	97
30) Cyclohexane	7.51	56	338129	5.762	ug/L	95
31) Carbon tetrachloride	7.63	117	317608	5.568	ug/L	99
33) Benzene	7.90	78	825872	5.075	ug/L	100
34) Trichloroethene	8.71	95	213481	5.215	ug/L	96
35) Methylcyclohexane	8.95	83	332580	5.728	ug/L	99
37) 1,2-Dichloropropane	8.99	63	178117	5.154	ug/L	98
38) Bromodichloromethane	9.28	83	199470	5.034	ug/L #	92
39) cis-1,3-Dichloropropene	9.72	75	193620	5.130	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	570074	60.334	ug/L	99
42) Toluene	10.03	91	881857	5.395	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	142849	5.191	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	72629	5.087	ug/L	93
47) Tetrachloroethene	10.51	164	151475	5.103	ug/L	94
48) 2-Hexanone	10.63	43	387330	59.327	ug/L	98
49) Dibromochloromethane	10.78	129	90588	5.104	ug/L	95
50) 1,2-Dibromoethane	10.88	107	57803	5.194	ug/L	94
51) Chlorobenzene	11.31	112	466303	5.218	ug/L	97
52) Ethylbenzene	11.39	91	1040203	5.663	ug/L	98
53) m,p-Xylene	11.50	106	361895	5.527	ug/L	99
54) o-Xylene	11.83	106	336925	5.895	ug/L	96
55) Styrene	11.84	104	522375	5.782	ug/L	98
56) Isopropylbenzene	12.13	105	999737	6.159	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	67322	5.176	ug/L	98
59) 1,2,3-Trichloropropane	12.43	75	50651	5.319	ug/L	90
61) Bromoform	12.01	173	36150	4.522	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	273693	5.226	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	298950	5.142	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	233080	5.380	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6801	4.218	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	172646	5.322	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	98989	5.315	ug/L	98
69) Naphthalene	15.00	128	91797	5.339	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	76228	5.811	ug/L	98

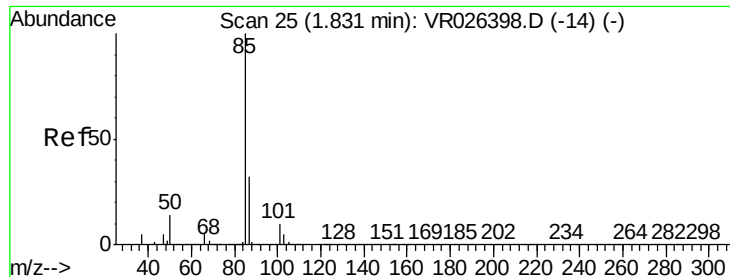
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.376 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

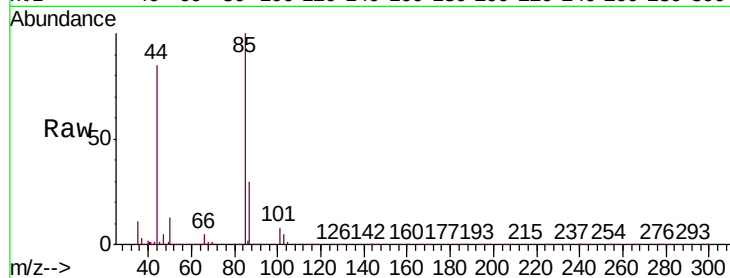
VSTD00592

Tgt Ion: 85 Resp: 228401

Ion Ratio Lower Upper

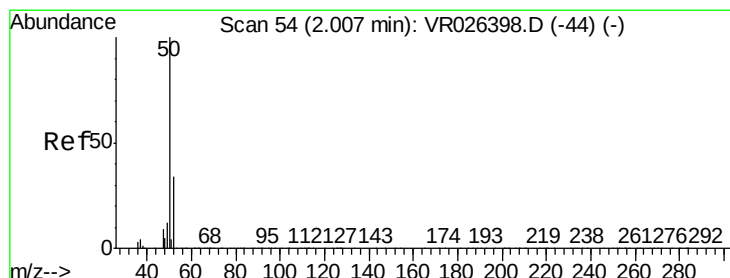
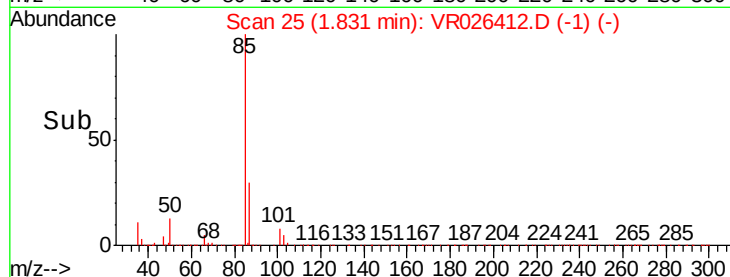
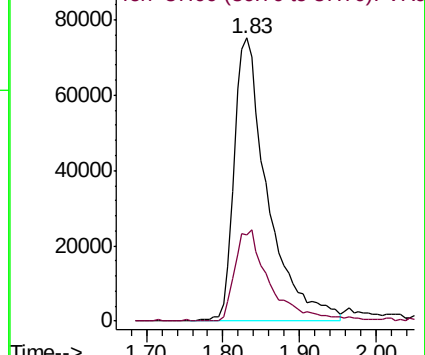
85 100

87 32.7 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 5.492 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026412.D

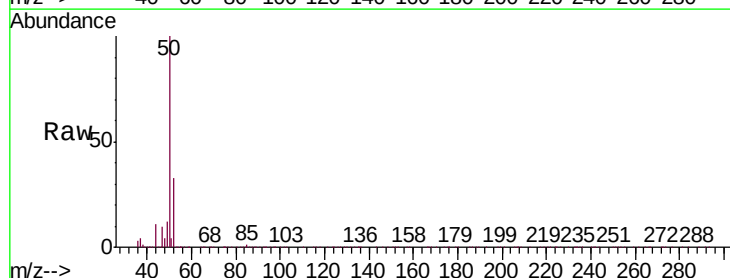
Acq: 27 Feb 2019 19:29

Tgt Ion: 50 Resp: 294514

Ion Ratio Lower Upper

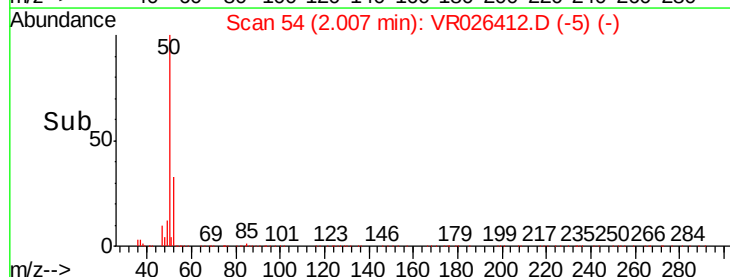
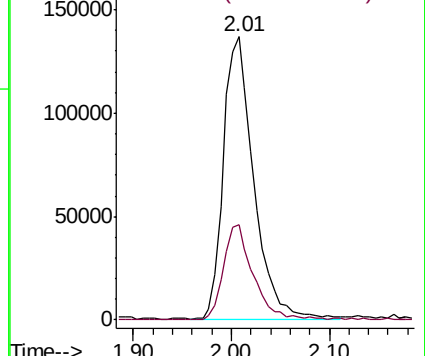
50 100

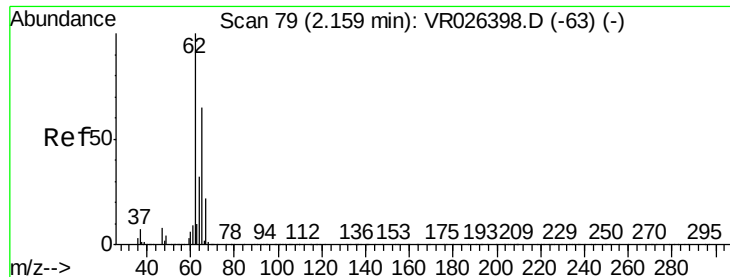
52 33.4 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.483 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

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MSVOA_R

ClientSampleId :

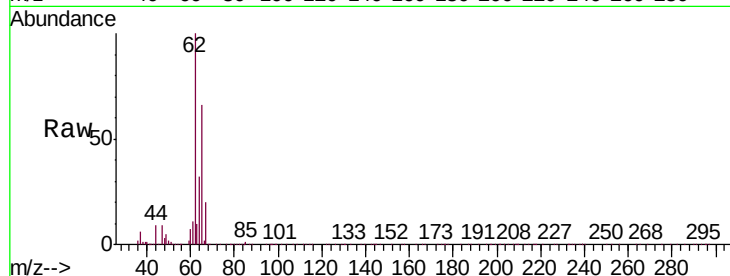
VSTD00592

Tgt Ion: 62 Resp: 285097

Ion Ratio Lower Upper

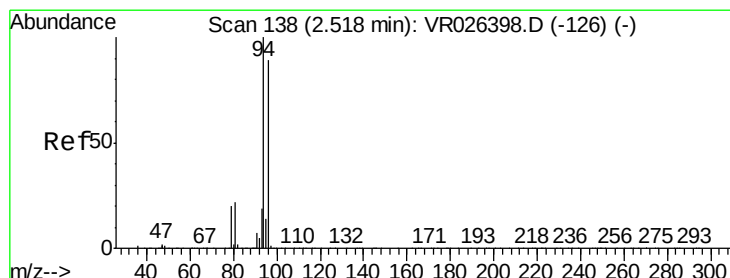
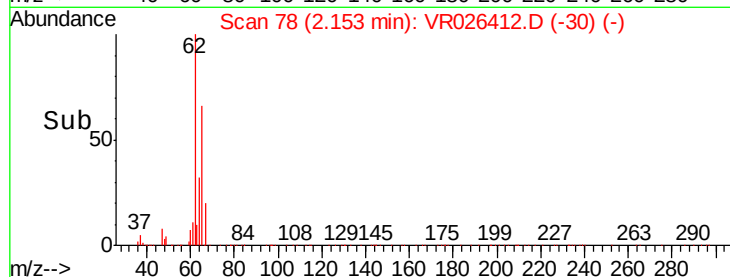
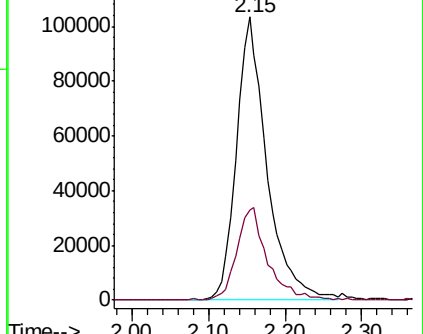
62 100

64 31.9 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 5.321 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR026412.D

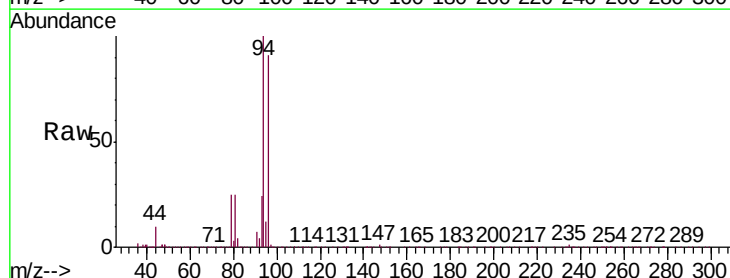
Acq: 27 Feb 2019 19:29

Tgt Ion: 94 Resp: 159386

Ion Ratio Lower Upper

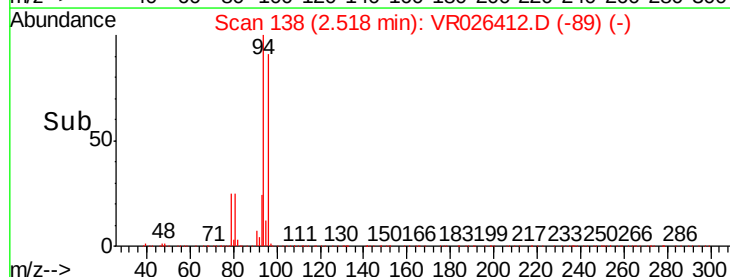
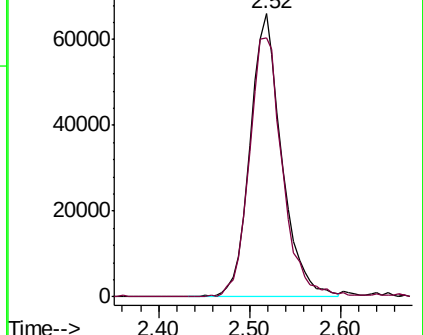
94 100

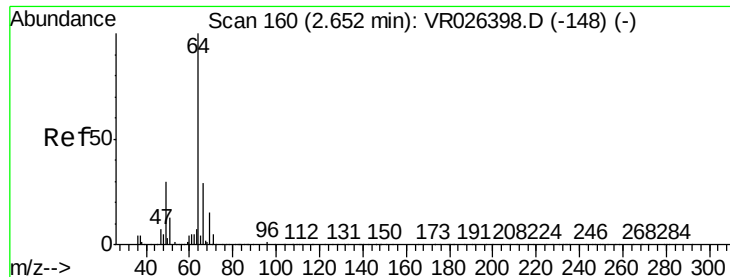
96 91.5 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 5.245 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

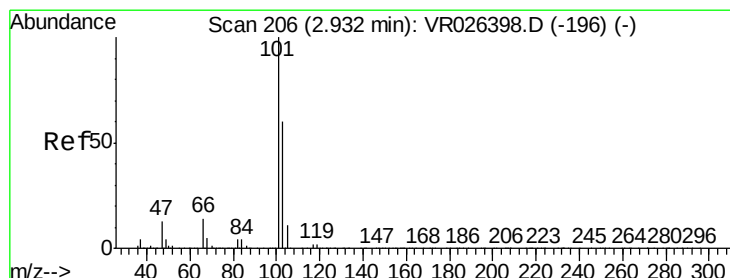
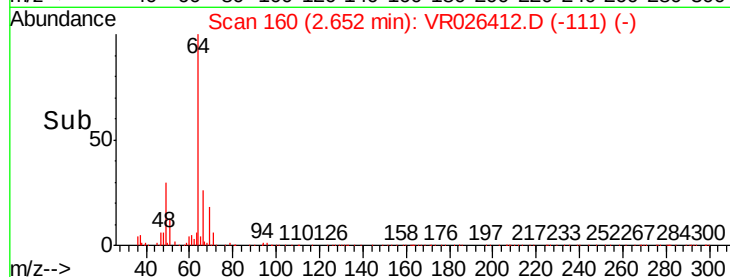
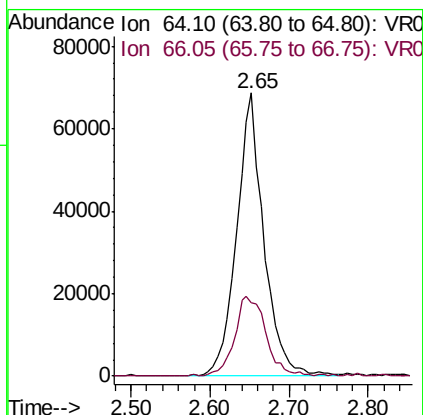
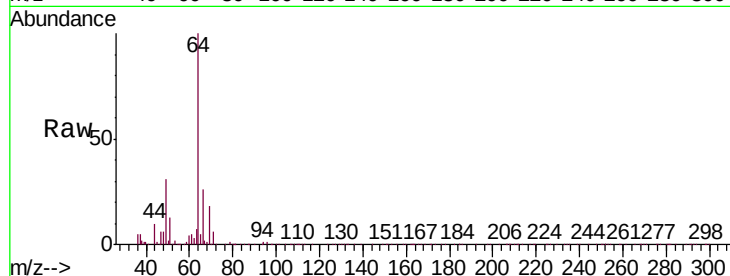
VSTD00592

Tgt Ion: 64 Resp: 164088

Ion Ratio Lower Upper

64 100

66 26.1 22.6 42.0



#9

Trichlorofluoromethane

Concen: 6.087 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

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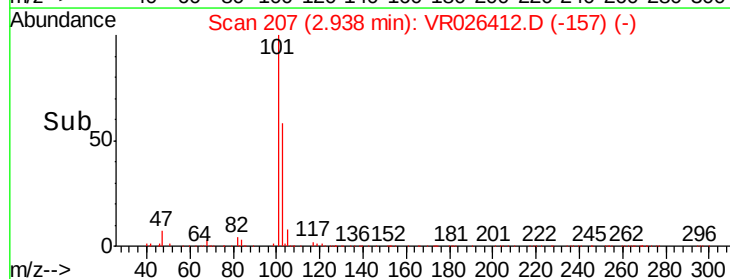
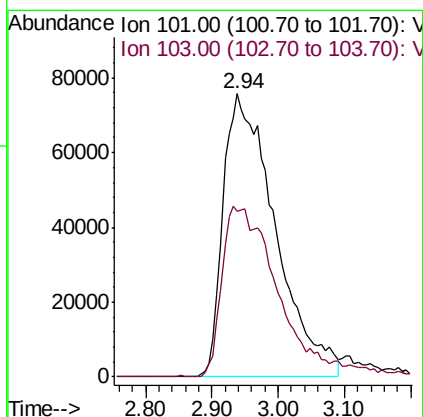
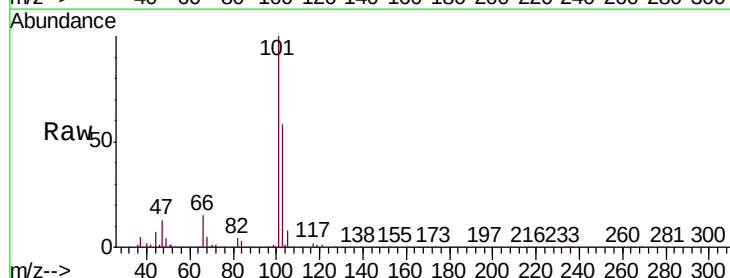
Acq: 27 Feb 2019 19:29

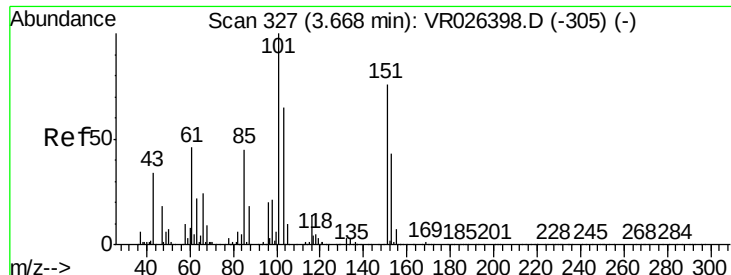
Tgt Ion: 101 Resp: 411845

Ion Ratio Lower Upper

101 100

103 63.5 52.6 78.8





#10

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

Concen: 5.778 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.00 min

Lab File: VR026412.D

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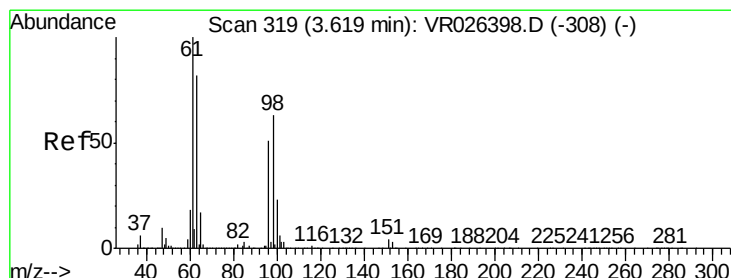
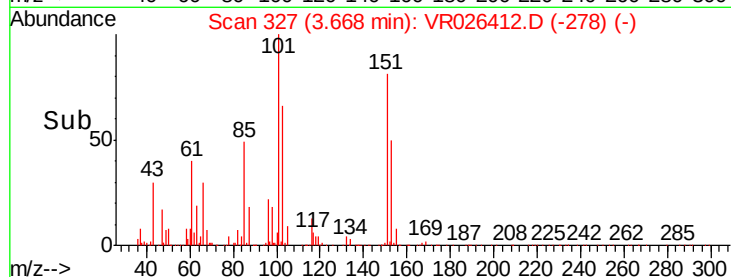
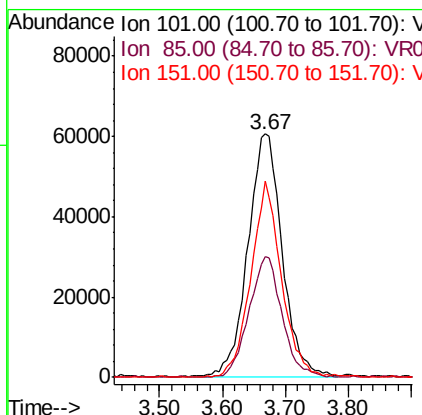
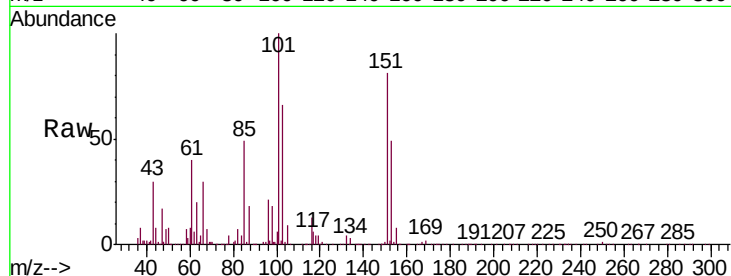
Instrument :

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Tgt Ion:	101	Resp:	227807
Ion	Ratio	Lower	Upper
101	100		
85	47.8	39.8	59.8
151	71.9	60.8	91.2



#12

1,1-Dichloroethene

Concen: 5.488 ug/L

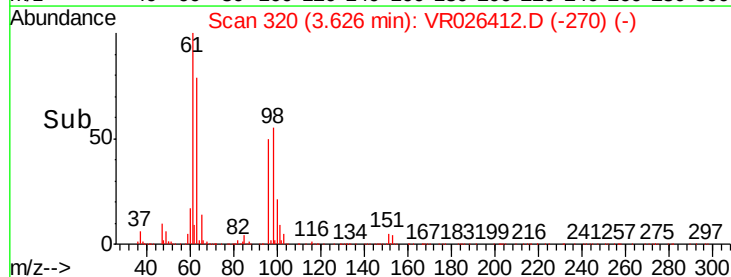
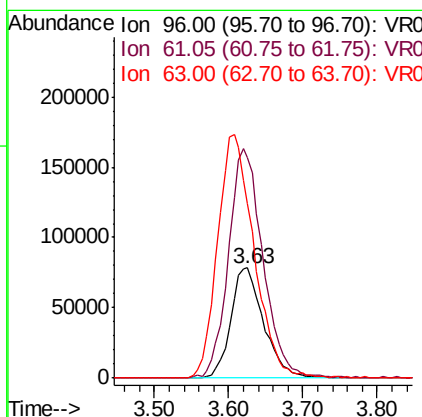
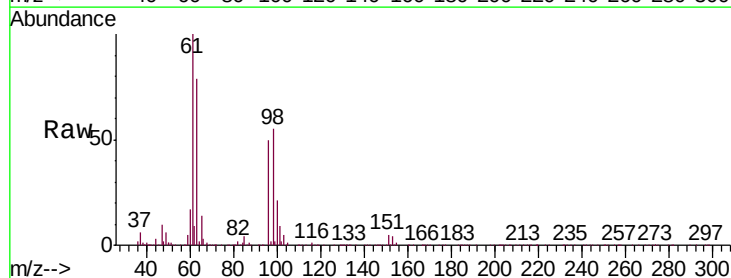
RT: 3.63 min Scan# 320

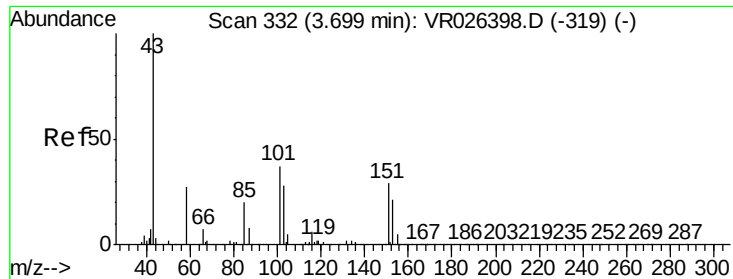
Delta R.T. 0.01 min

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Tgt Ion:	96	Resp:	241404
Ion	Ratio	Lower	Upper
96	100		
61	201.0	135.9	252.5
63	158.6	136.6	253.6

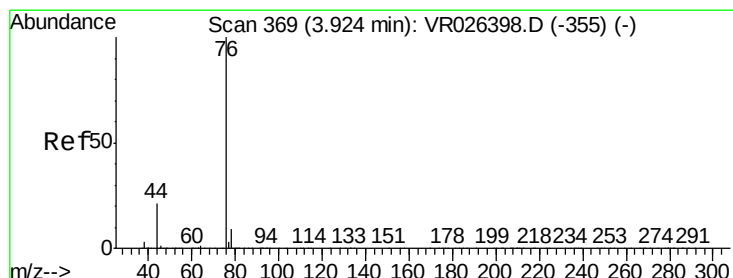
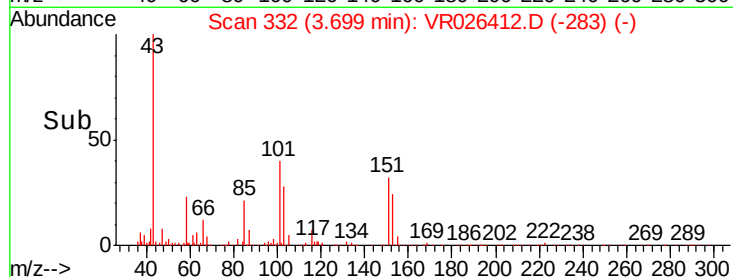
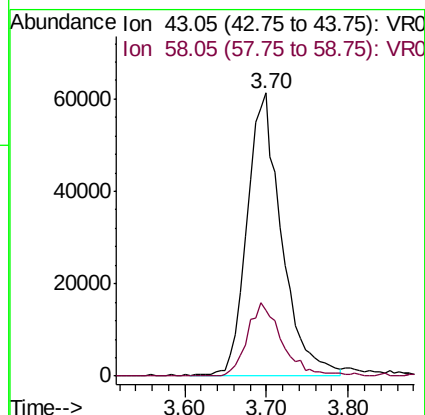
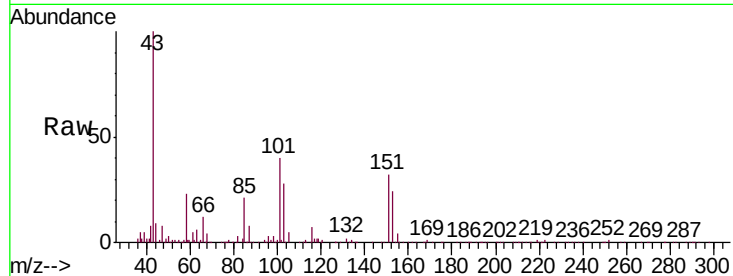




#13
Acetone
Concen: 55.986 ug/L
RT: 3.70 min Scan# 332
Delta R.T. 0.00 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

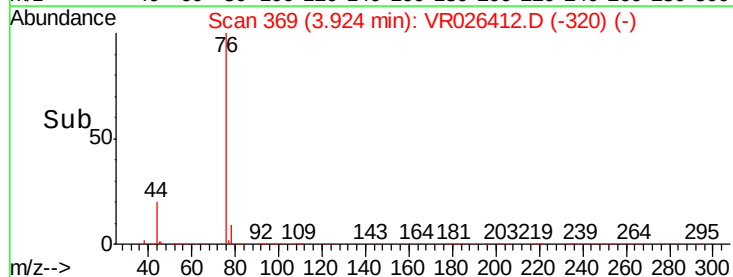
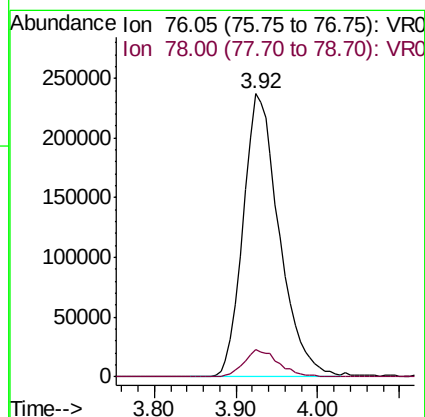
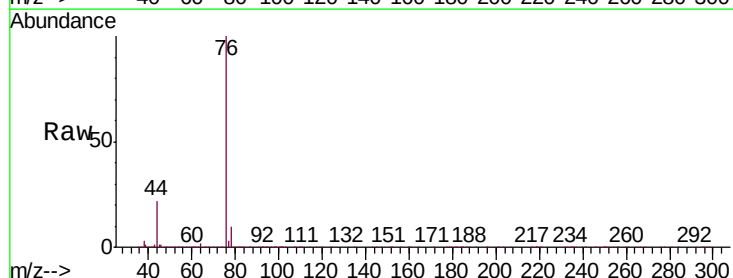
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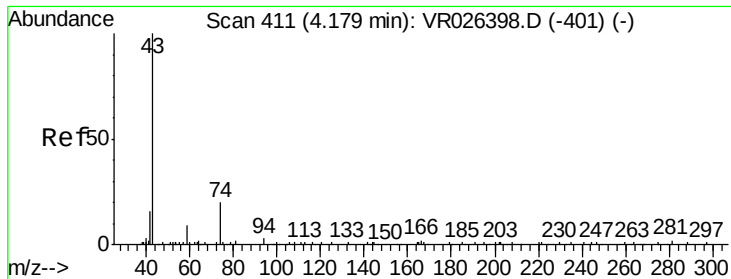
Tgt Ion: 43 Resp: 181048
Ion Ratio Lower Upper
43 100
58 25.5 0.0 52.2



#14
Carbon disulfide
Concen: 5.188 ug/L
RT: 3.92 min Scan# 369
Delta R.T. 0.00 min
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Tgt Ion: 76 Resp: 726984
Ion Ratio Lower Upper
76 100
78 9.6 6.7 10.1

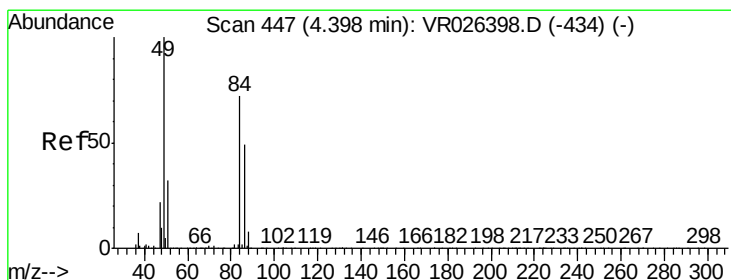
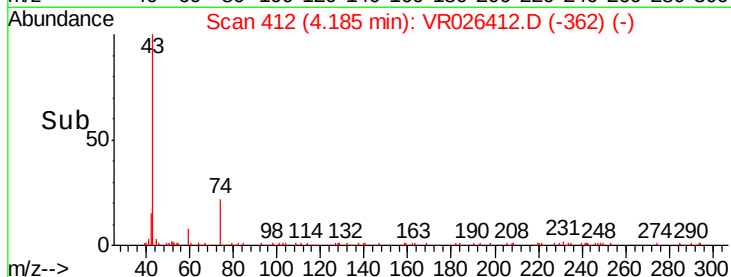
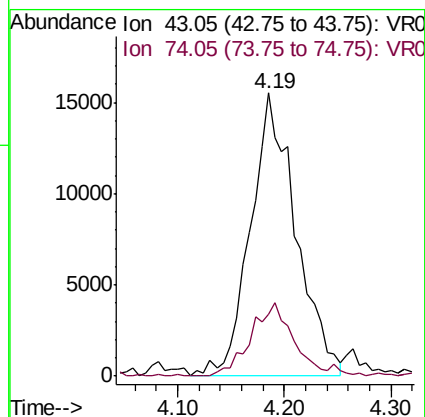
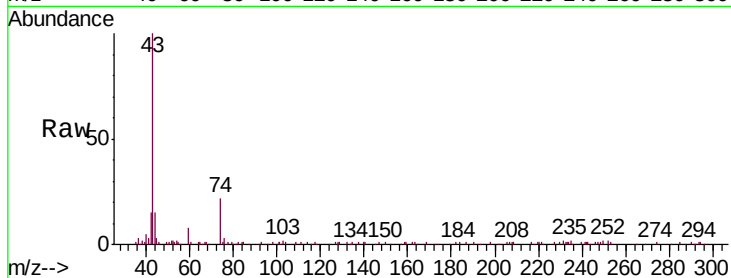




#15
Methyl Acetate
Concen: 5.039 ug/L
RT: 4.19 min Scan# 412
Delta R.T. 0.01 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

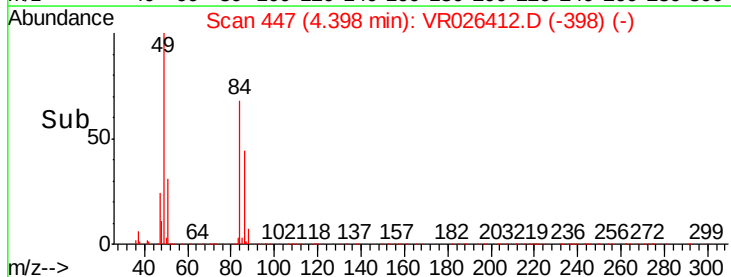
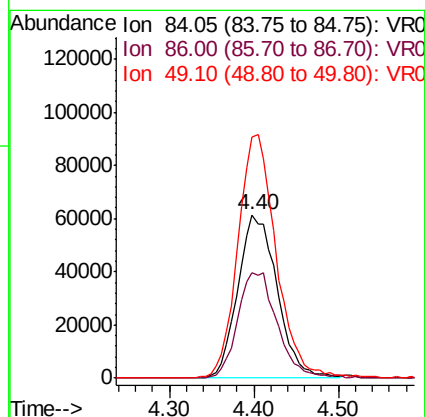
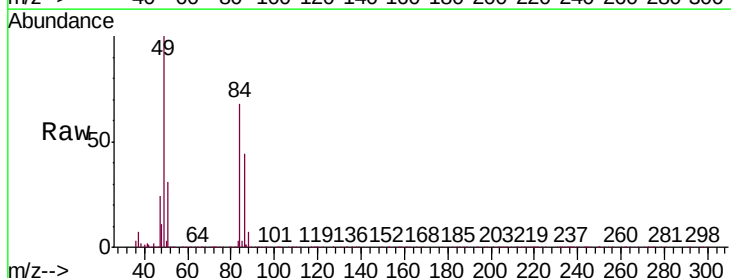
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

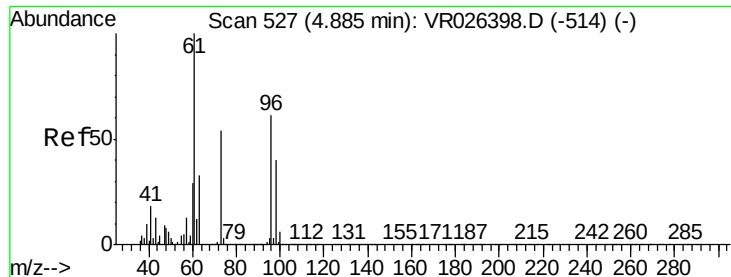
Tgt Ion: 43 Resp: 46121
Ion Ratio Lower Upper
43 100
74 23.9 16.6 25.0



#16
Methylene chloride
Concen: 5.052 ug/L
RT: 4.40 min Scan# 447
Delta R.T. 0.00 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

Tgt Ion: 84 Resp: 194180
Ion Ratio Lower Upper
84 100
86 65.3 42.1 78.3
49 147.4 93.8 174.2



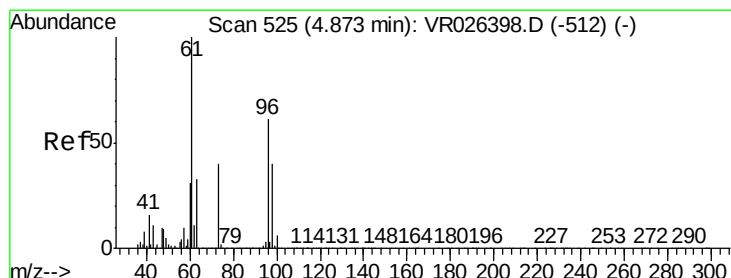
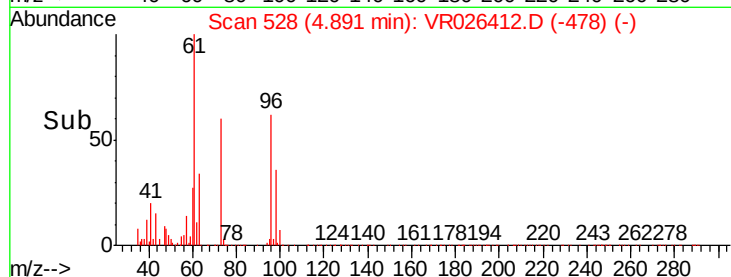
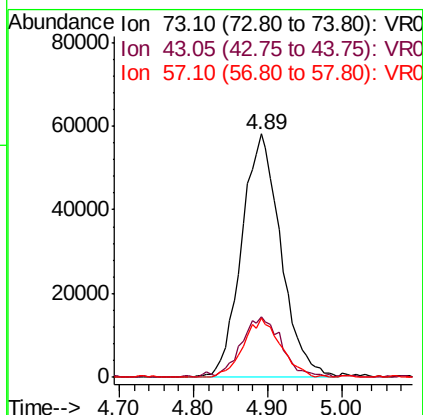
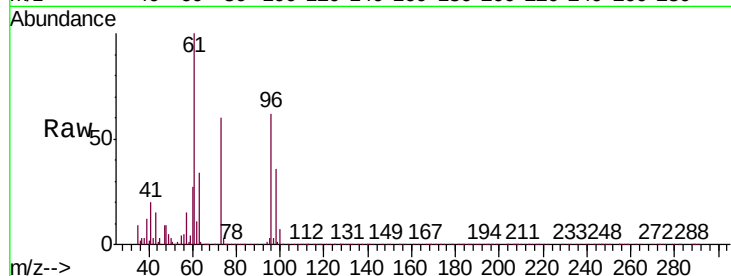


#17

Methyl tert-butyl Ether
 Concen: 5.200 ug/L
 RT: 4.89 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

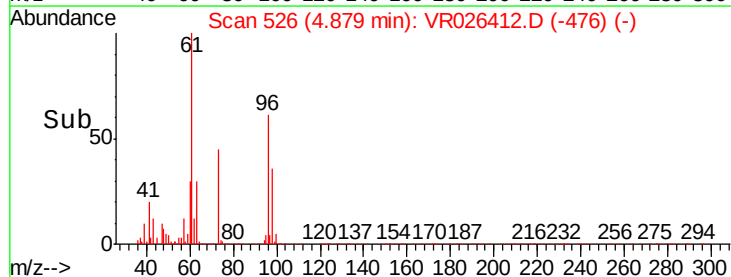
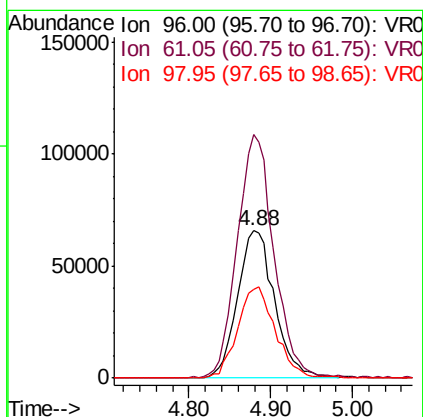
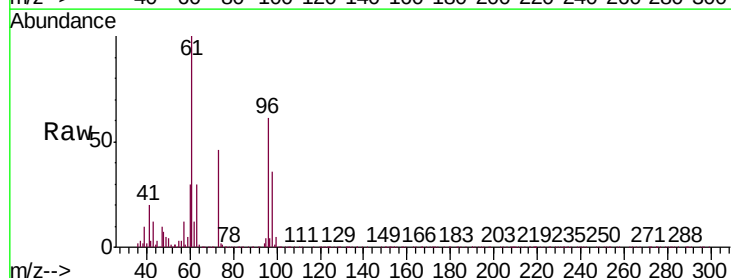
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.6	19.4	29.2
57	23.0	19.4	29.0

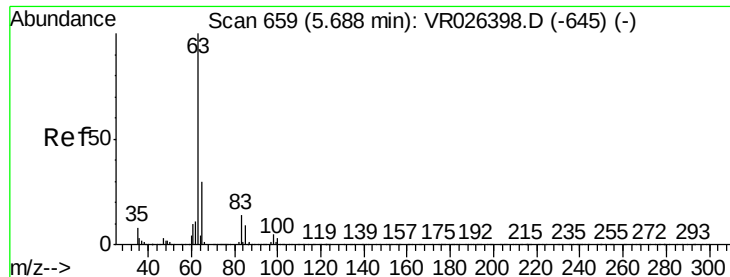


#18

trans-1,2-Dichloroethene
 Concen: 5.151 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.01 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.3	109.4	203.2
98	59.9	39.7	73.7

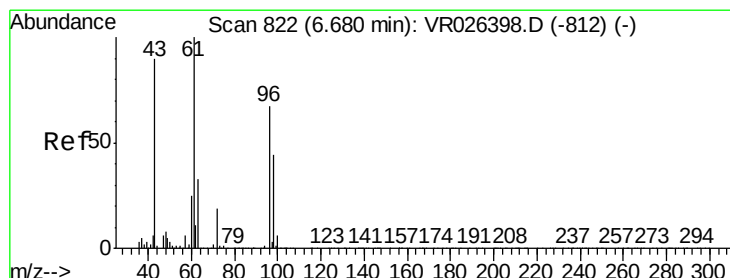
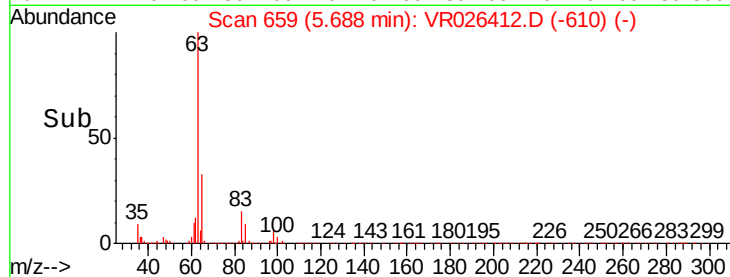
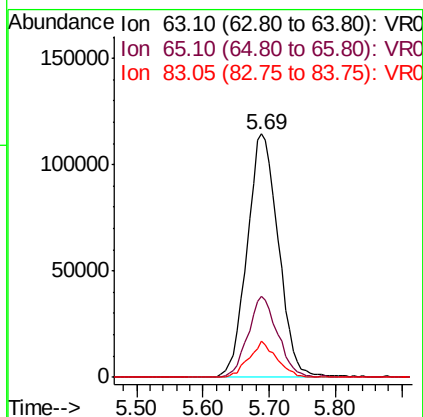
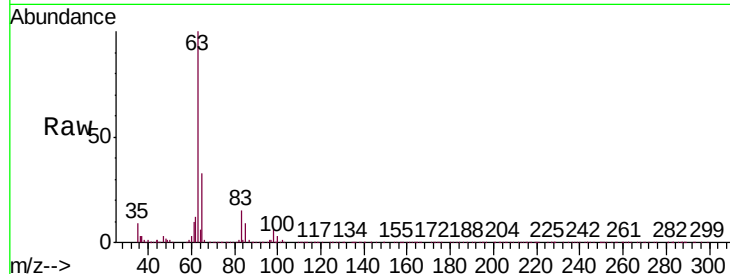




#19
 1,1-Dichloroethane
 Concen: 5.083 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

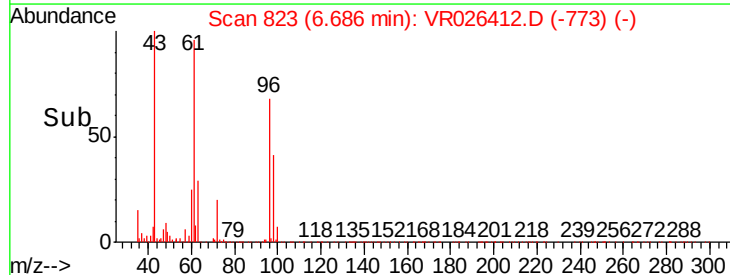
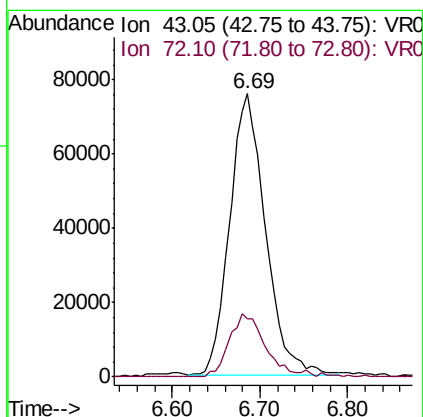
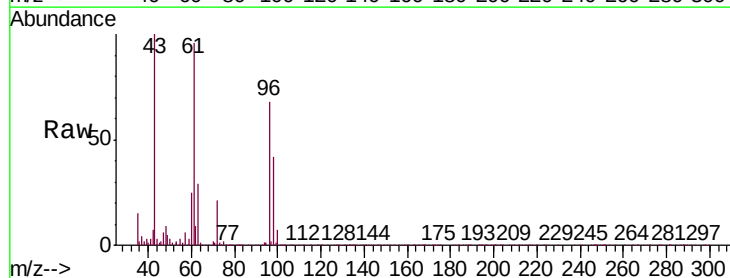
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

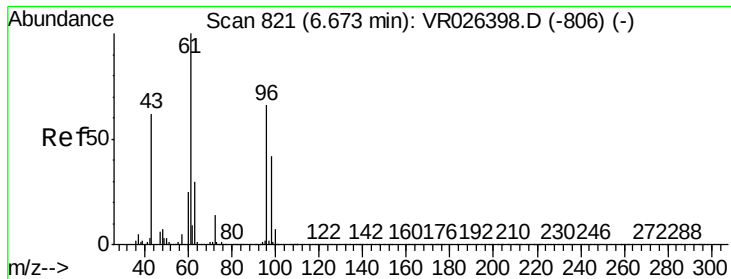
Tgt Ion: 63 Resp: 373554
 Ion Ratio Lower Upper
 63 100
 65 33.2 23.6 43.8
 83 15.0 8.8 16.4



#21
 2-Butanone
 Concen: 53.078 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion: 43 Resp: 215126
 Ion Ratio Lower Upper
 43 100
 72 22.4 10.8 32.4



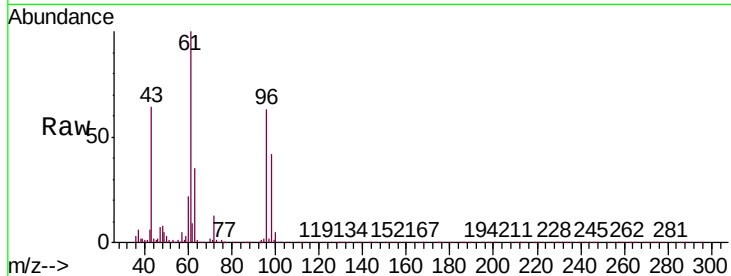


#22

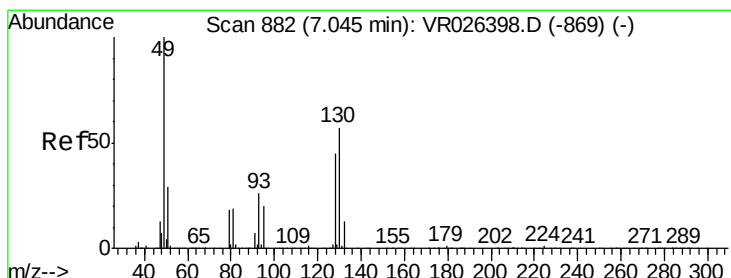
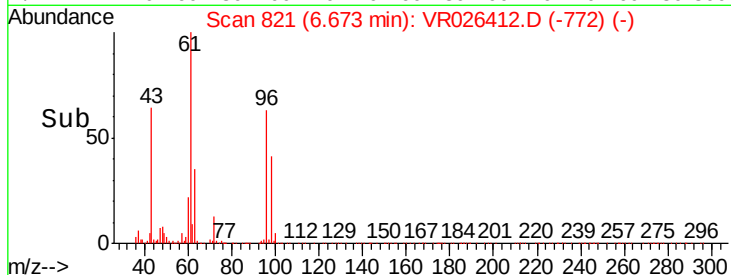
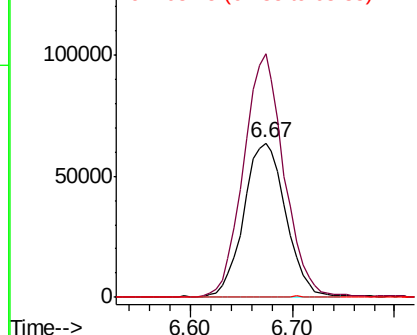
cis-1,2-Dichloroethene
Concen: 5.378 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

Tgt Ion: 96 Resp: 181159
Ion Ratio Lower Upper
96 100
61 157.9 100.8 187.2
68 0.0 0.1 0.1#



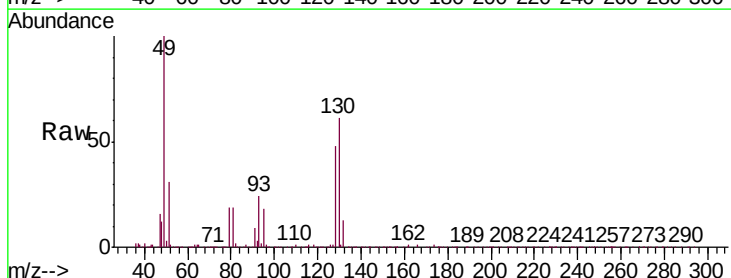
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



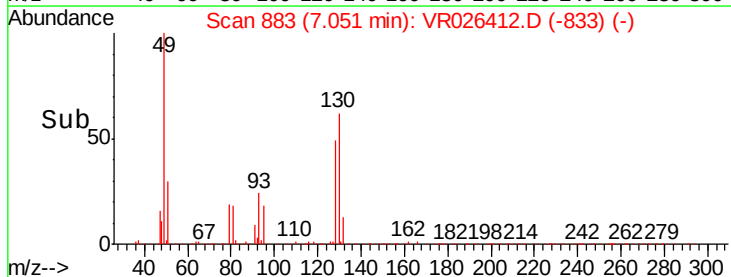
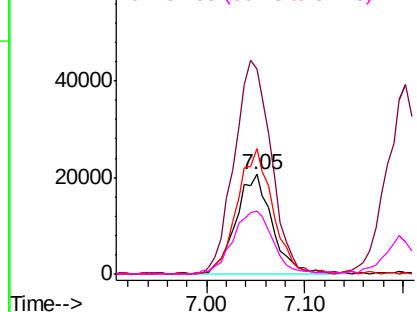
#23

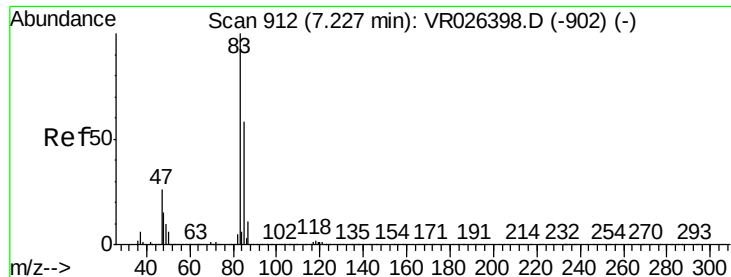
Bromochloromethane
Concen: 5.017 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

Tgt Ion: 128 Resp: 52352
Ion Ratio Lower Upper
128 100
49 206.4 161.6 300.0
130 126.9 92.3 171.5
51 63.3 56.3 84.5



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: 5.134 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampled :

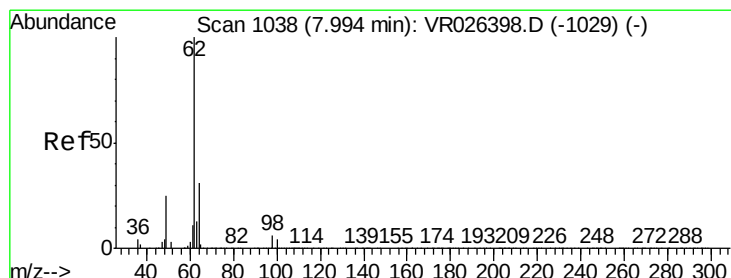
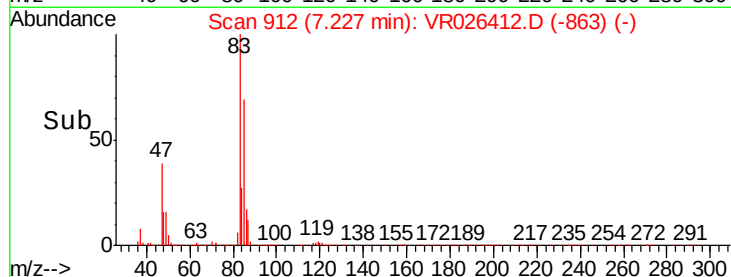
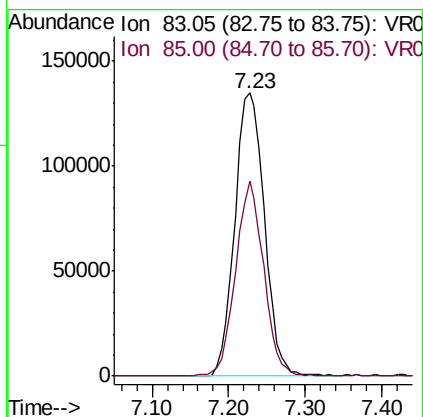
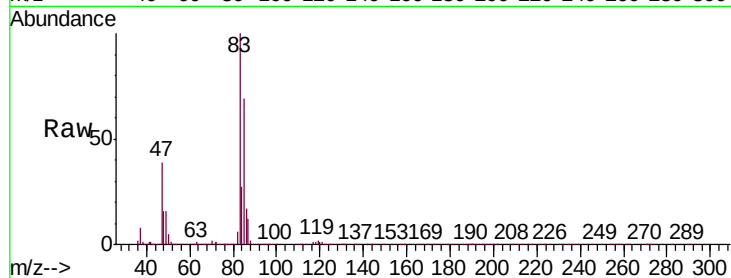
VSTD00592

Tgt Ion: 83 Resp: 361838

Ion Ratio Lower Upper

83 100

85 69.0 48.6 90.2



#27

1,2-Dichloroethane

Concen: 5.241 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026412.D

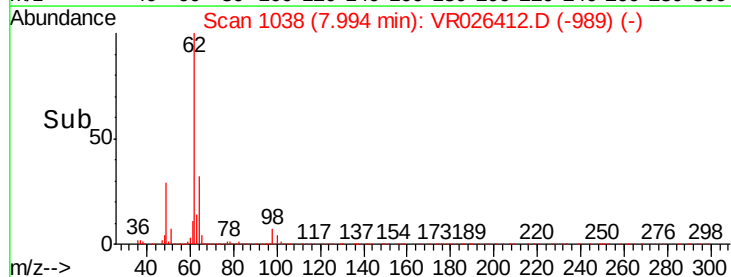
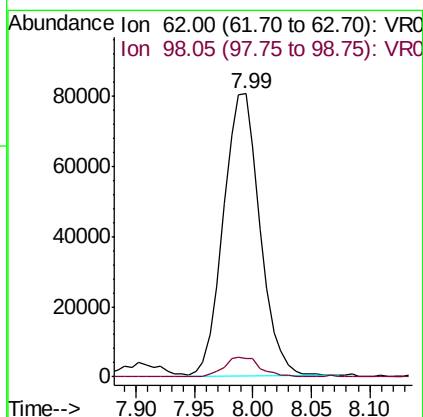
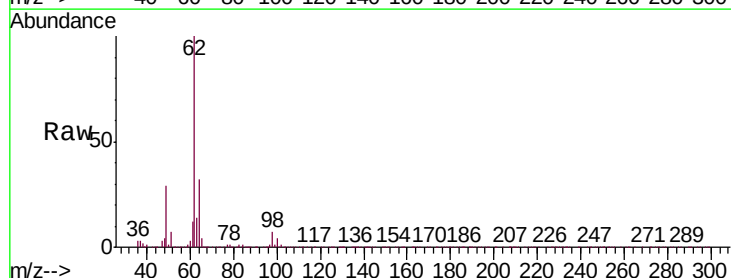
Acq: 27 Feb 2019 19:29

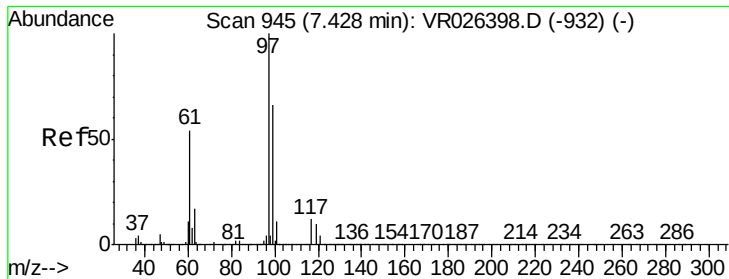
Tgt Ion: 62 Resp: 174794

Ion Ratio Lower Upper

62 100

98 6.6 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 5.366 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

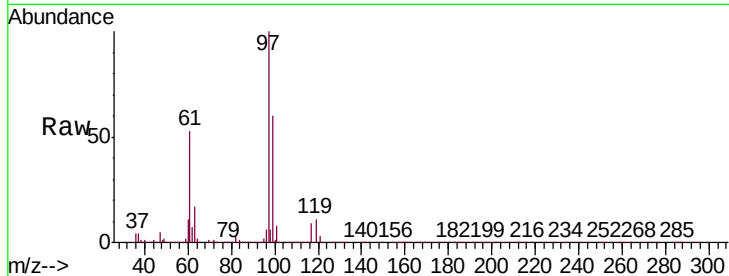
Tgt Ion: 97 Resp: 329308

Ion Ratio Lower Upper

97 100

99 63.2 51.6 77.4

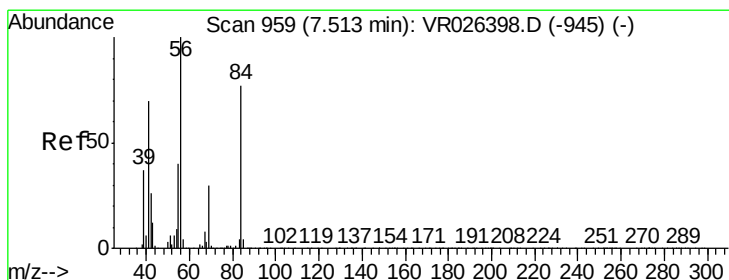
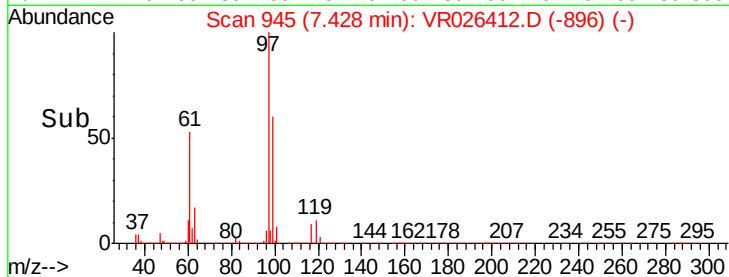
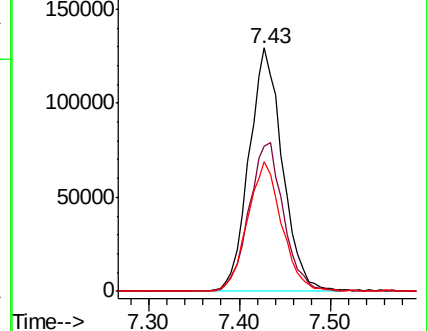
61 54.7 41.8 62.6



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: 5.762 ug/L

RT: 7.51 min Scan# 959

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

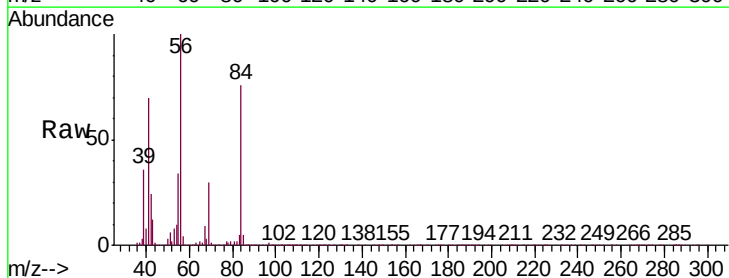
Tgt Ion: 56 Resp: 338129

Ion Ratio Lower Upper

56 100

69 29.7 22.6 34.0

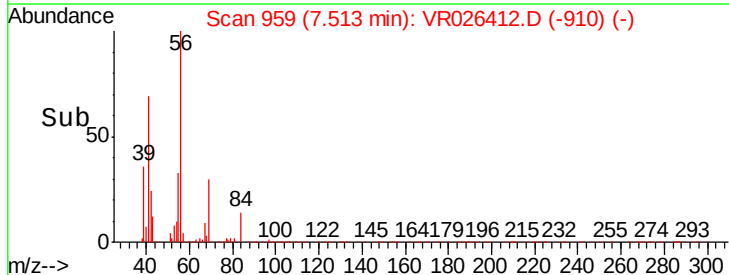
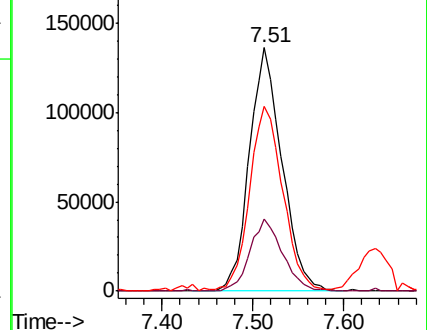
84 77.4 58.2 87.2

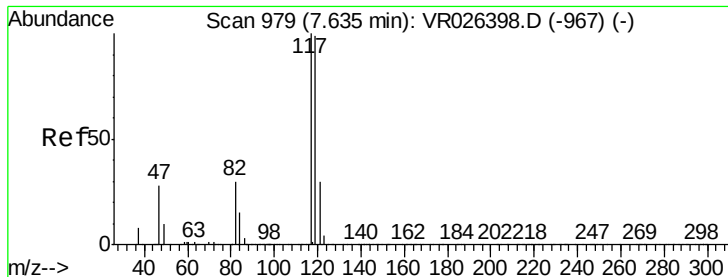


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.568 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

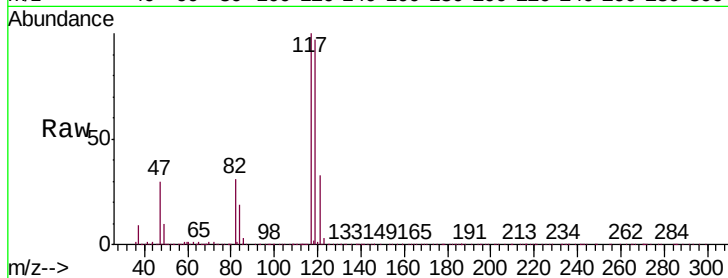
VSTD00592

Tgt Ion:117 Resp: 317608

Ion Ratio Lower Upper

117 100

119 97.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

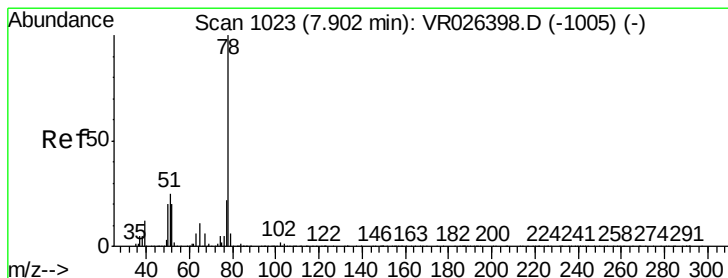
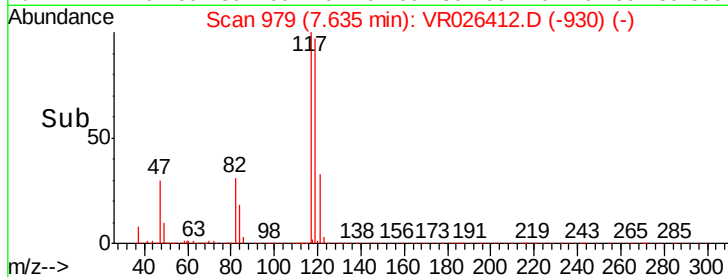
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 5.075 ug/L

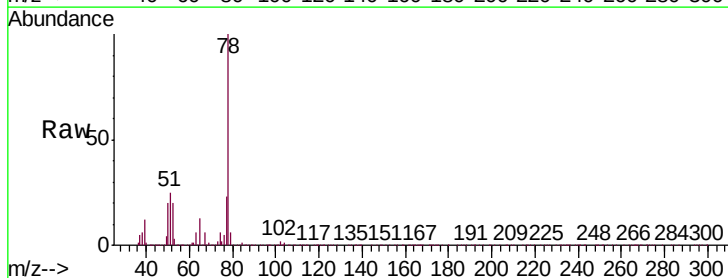
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Tgt Ion: 78 Resp: 825872



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

400000

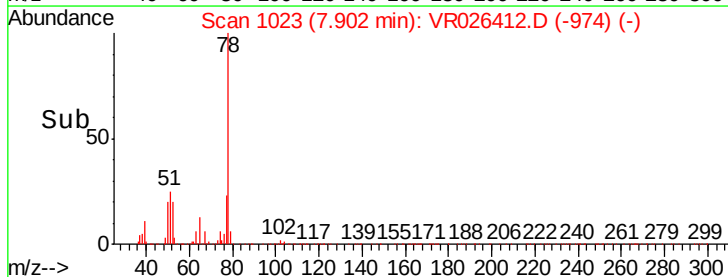
300000

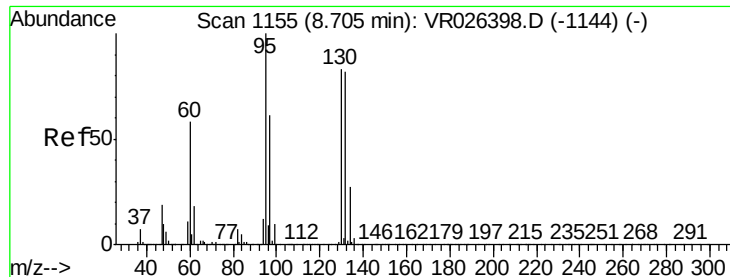
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 5.215 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 95 Resp: 213481

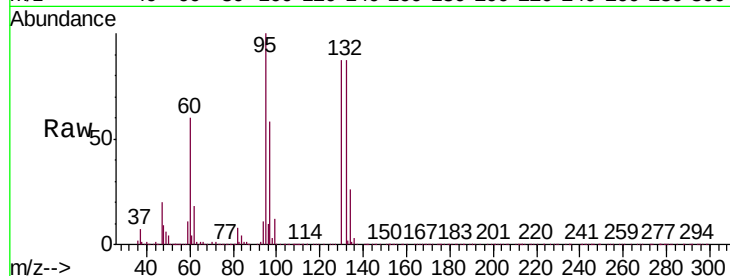
Ion Ratio Lower Upper

95 100

97 57.9 43.5 80.7

132 86.5 58.6 108.8

130 87.1 59.4 110.2

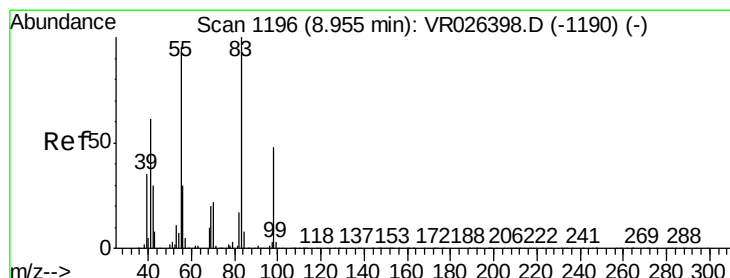
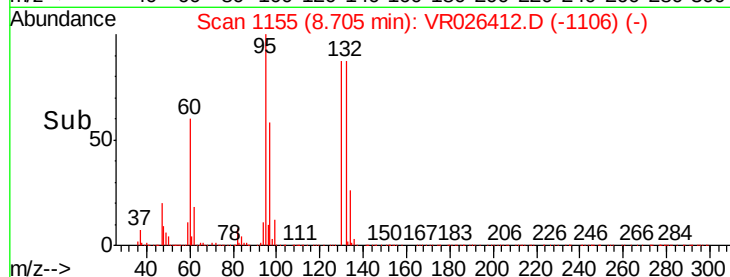
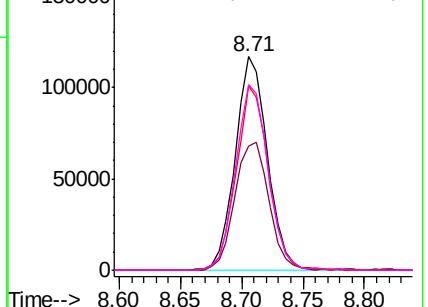


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.728 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

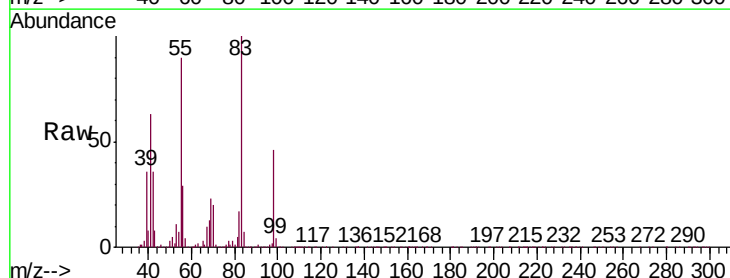
Tgt Ion: 83 Resp: 332580

Ion Ratio Lower Upper

83 100

55 90.8 72.2 108.2

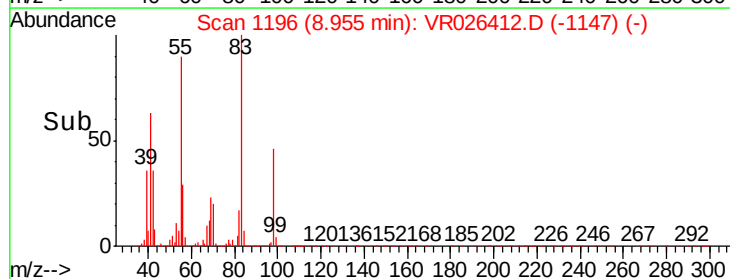
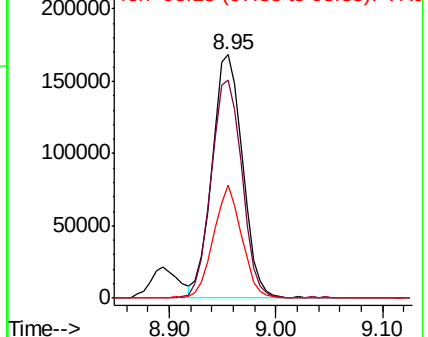
98 43.0 35.0 52.4

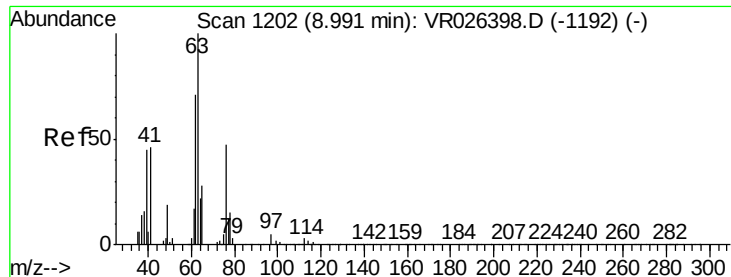


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

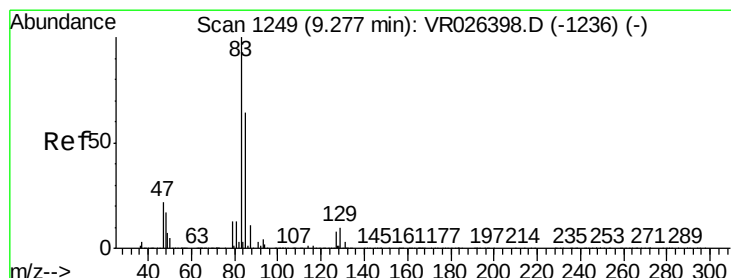
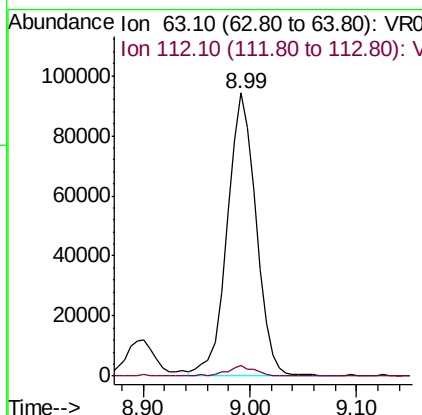
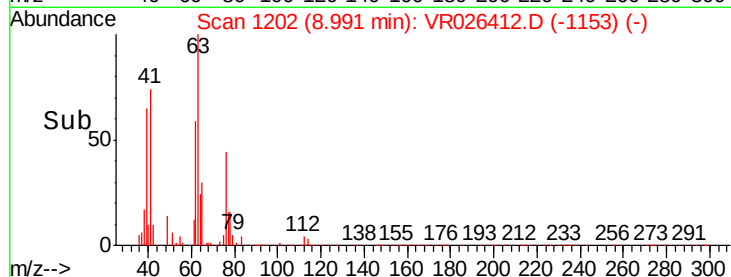
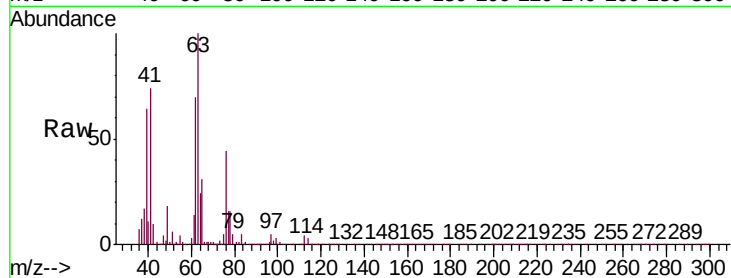




#37
 1,2-Dichloropropane
 Concen: 5.154 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

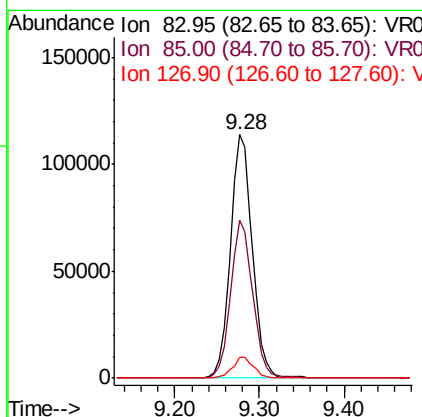
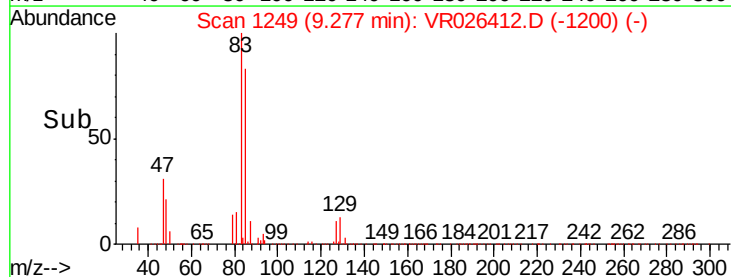
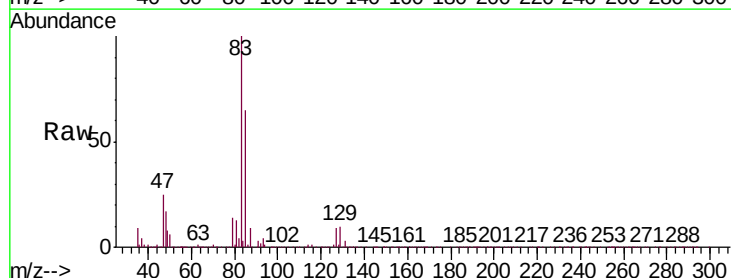
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

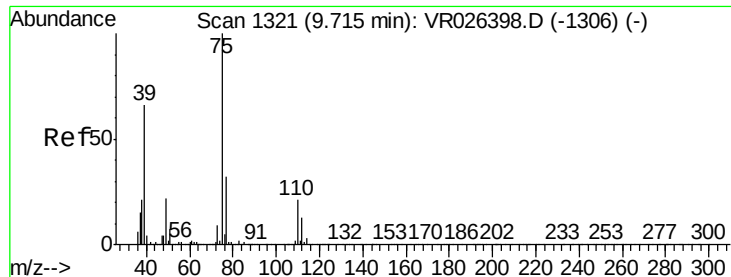
Tgt Ion: 63 Resp: 178117
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.034 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion: 83 Resp: 199470
 Ion Ratio Lower Upper
 83 100
 85 64.9 41.0 76.2
 127 8.6 5.5 8.3#

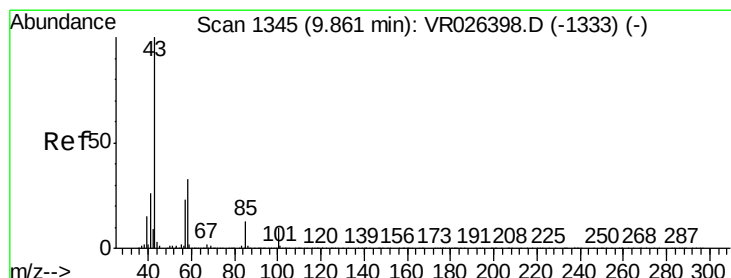
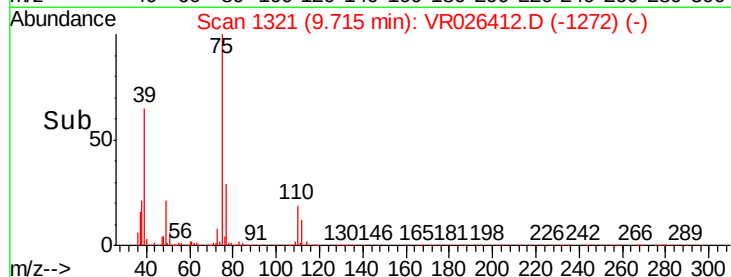
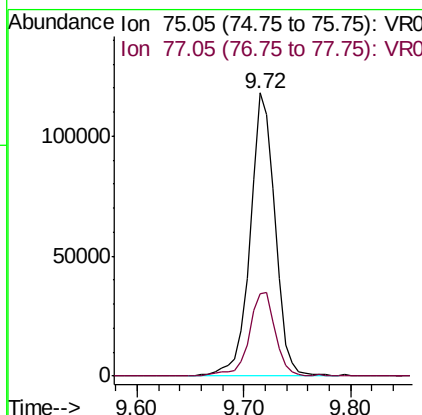
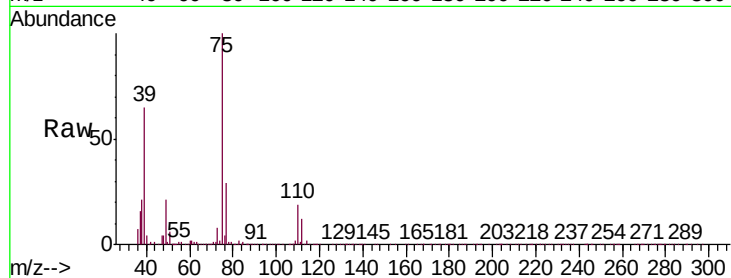




#39
 cis-1,3-Dichloropropene
 Concen: 5.130 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

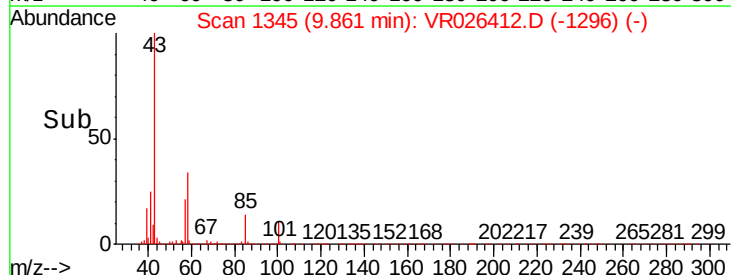
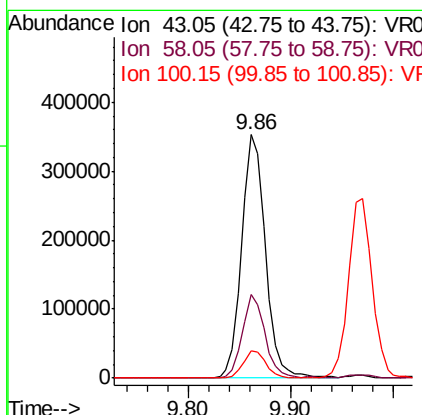
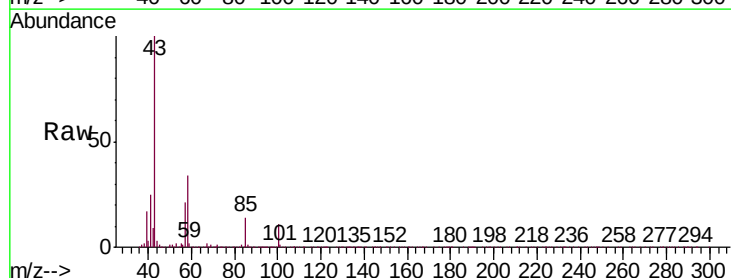
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

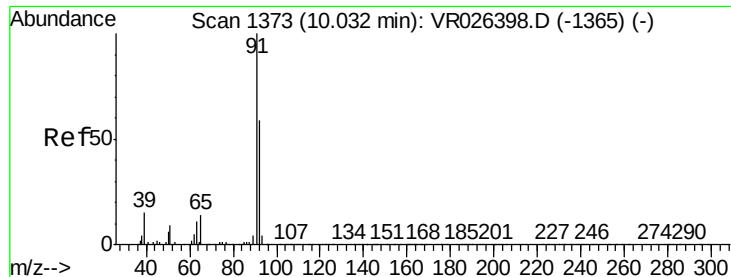
Tgt Ion: 75 Resp: 193620
 Ion Ratio Lower Upper
 75 100
 77 29.2 21.3 39.6



#40
 4-Methyl-2-pentanone
 Concen: 60.334 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion: 43 Resp: 570074
 Ion Ratio Lower Upper
 43 100
 58 32.8 26.7 40.1
 100 10.8 8.4 12.6





#42

Toluene

Concen: 5.395 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

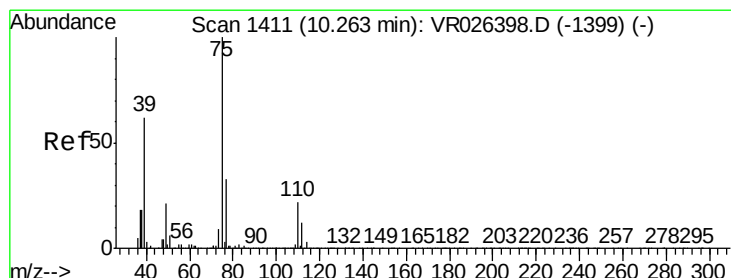
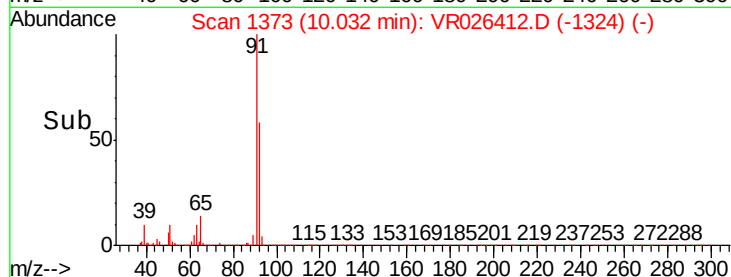
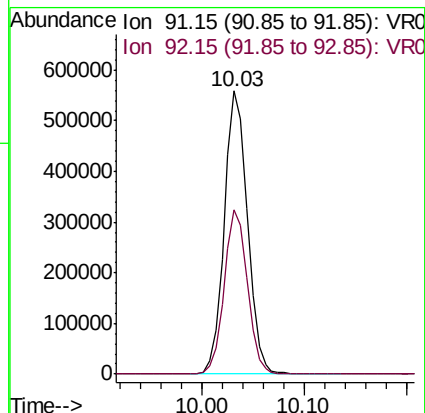
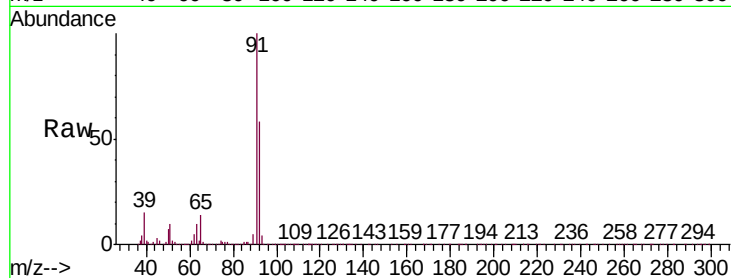
VSTD00592

Tgt Ion: 91 Resp: 881857

Ion Ratio Lower Upper

91 100

92 58.0 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.191 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026412.D

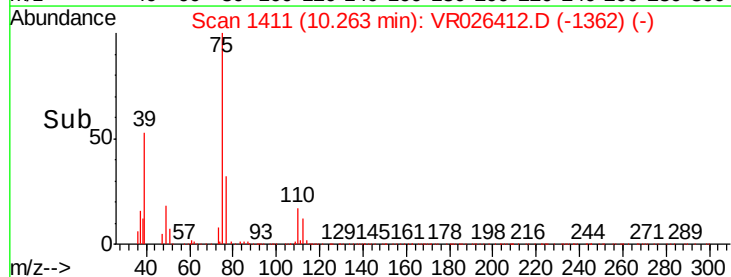
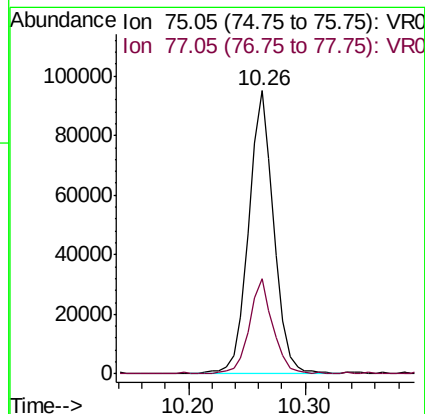
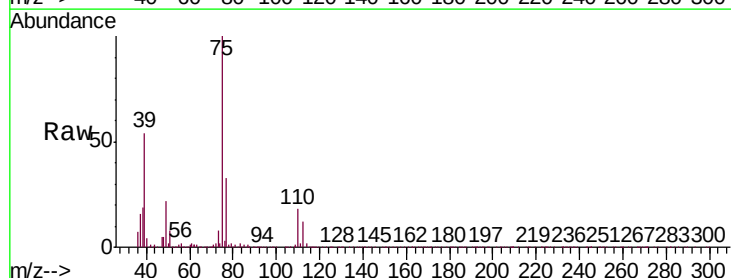
Acq: 27 Feb 2019 19:29

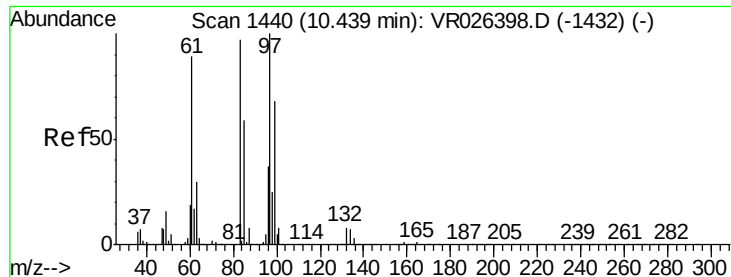
Tgt Ion: 75 Resp: 142849

Ion Ratio Lower Upper

75 100

77 33.5 23.9 44.3





#45

1,1,2-Trichloroethane

Concen: 5.087 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 97 Resp: 72629

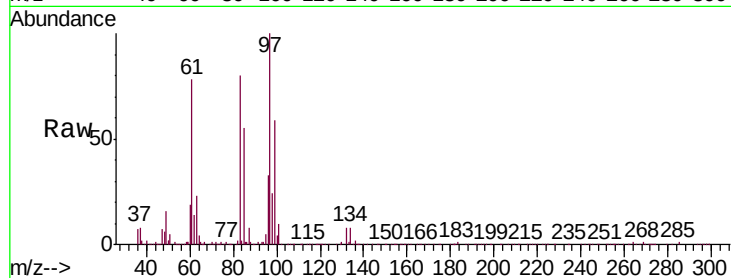
Ion Ratio Lower Upper

97 100

99 58.7 38.1 70.7

83 80.2 59.6 110.6

85 55.3 43.5 80.9

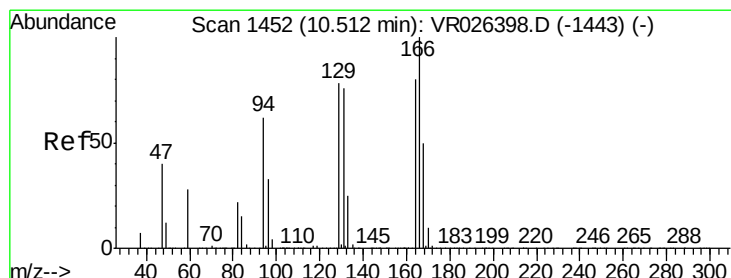
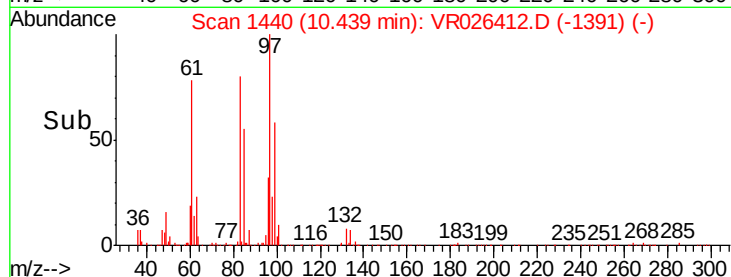
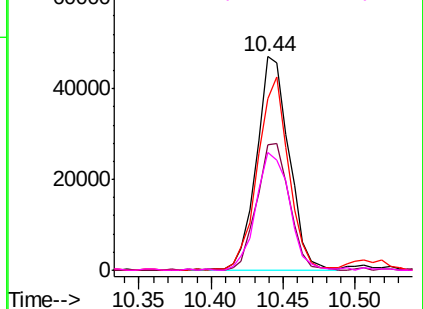


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 5.103 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Tgt Ion: 164 Resp: 151475

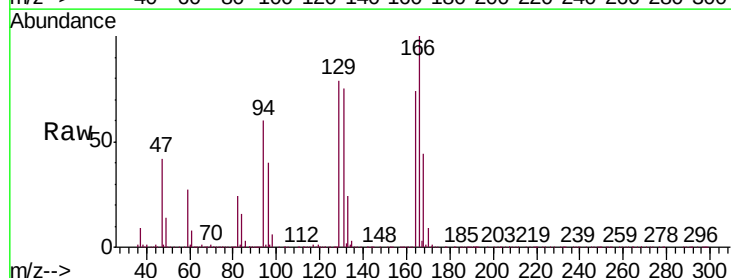
Ion Ratio Lower Upper

164 100

129 105.8 67.2 124.8

131 100.2 67.3 125.1

166 134.5 90.4 167.8

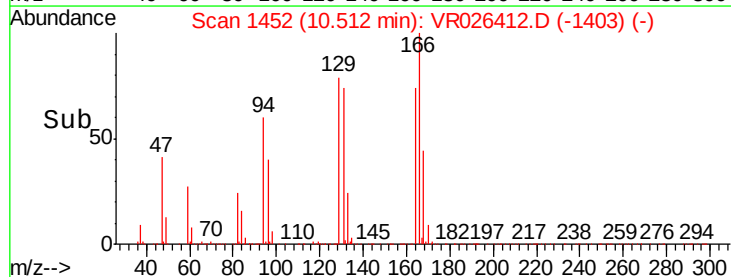
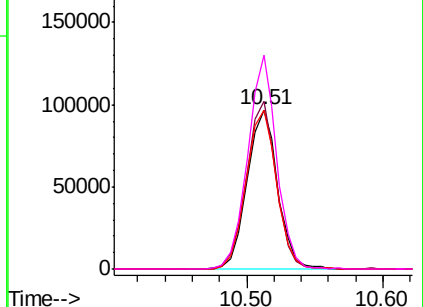


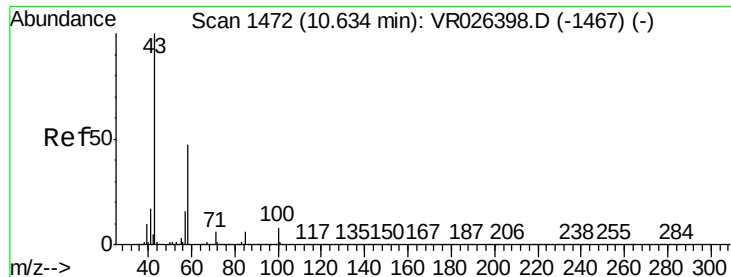
Abundance Ion 163.90 (163.60 to 164.60): V

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: 59.327 ug/L

RT: 10.63 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

Tgt Ion: 43 Resp: 387330

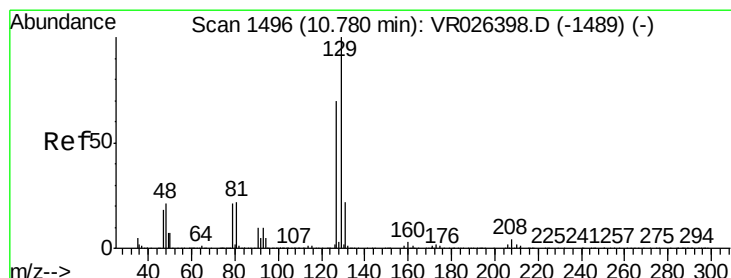
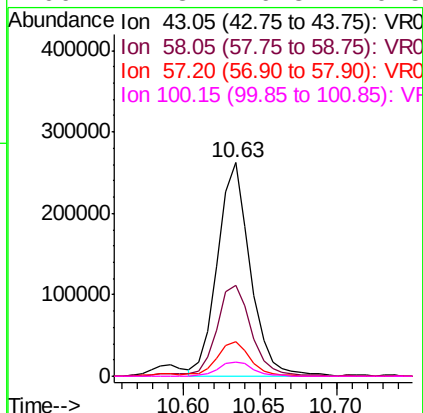
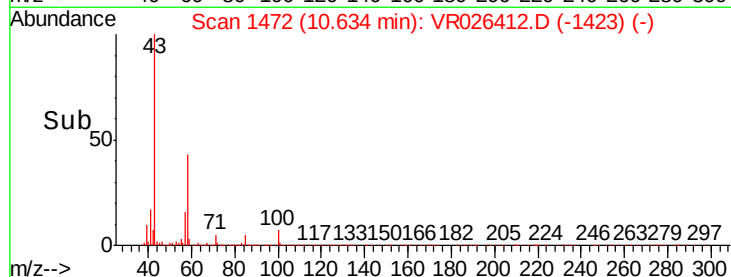
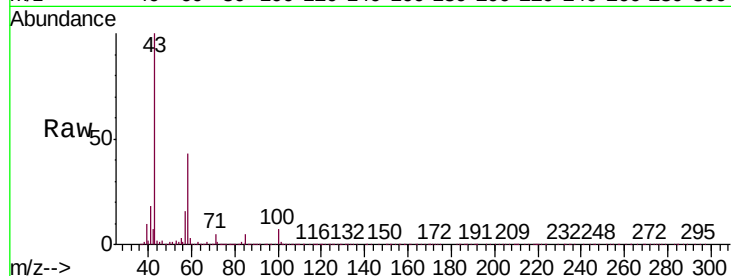
Ion Ratio Lower Upper

43 100

58 46.1 38.4 57.6

57 16.6 13.2 19.8

100 7.3 6.3 9.5



#49

Dibromochloromethane

Concen: 5.104 ug/L

RT: 10.78 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VR026412.D

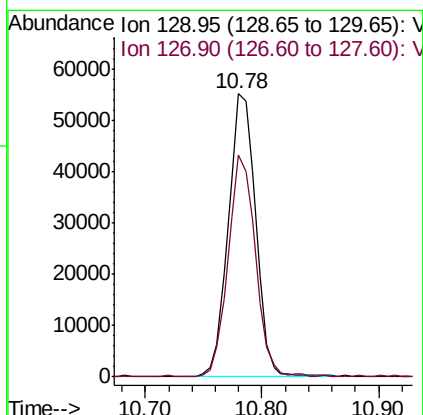
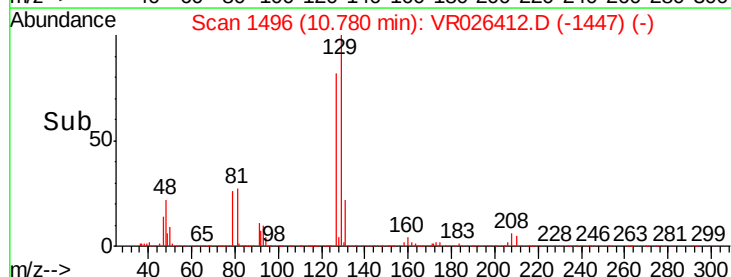
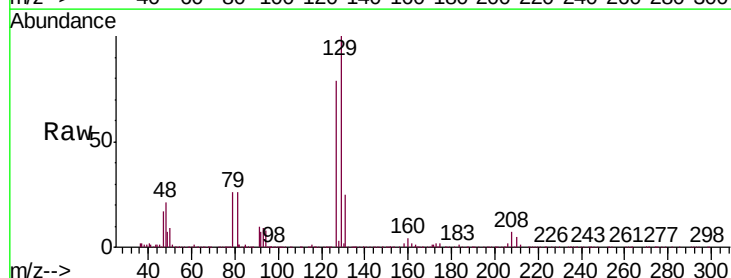
Acq: 27 Feb 2019 19:29

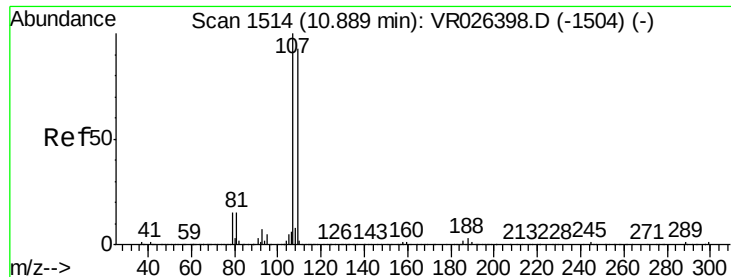
Tgt Ion: 129 Resp: 90588

Ion Ratio Lower Upper

129 100

127 78.6 52.1 96.7

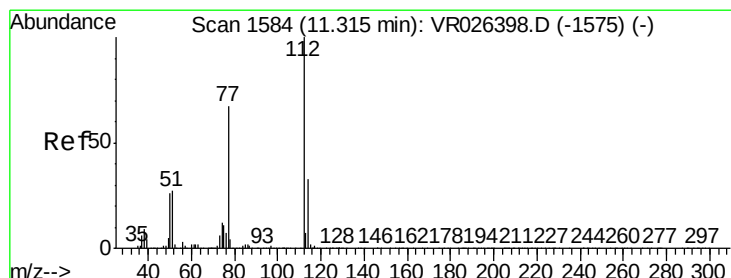
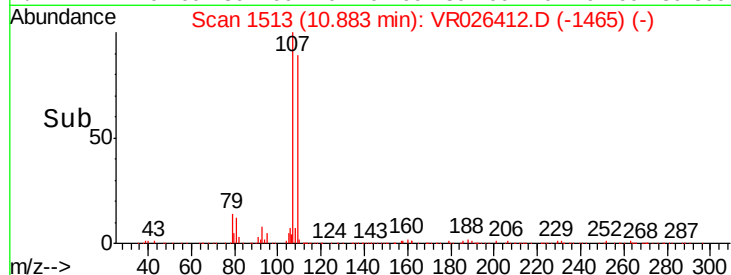
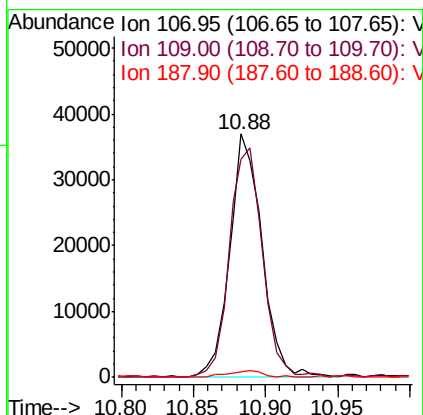
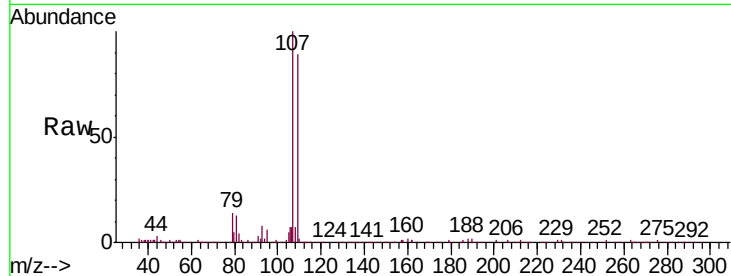




#50
1,2-Dibromoethane
Concen: 5.194 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

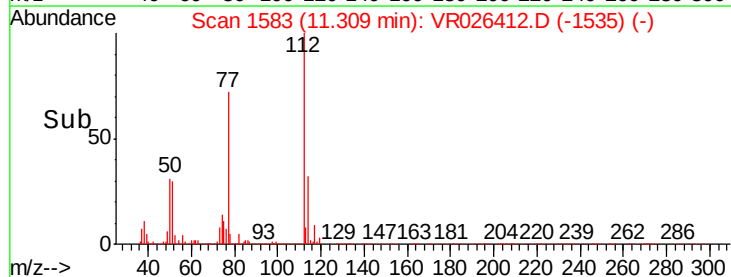
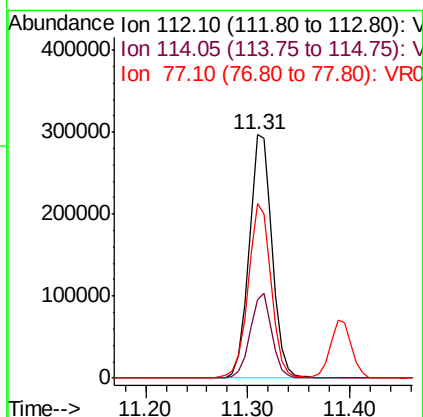
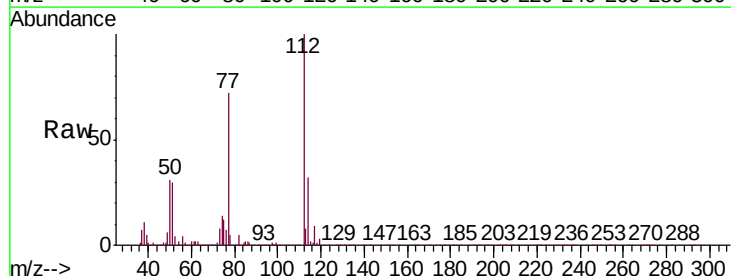
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

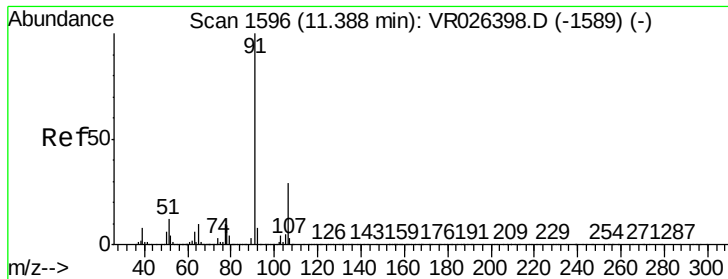
Tgt Ion:107 Resp: 57803
Ion Ratio Lower Upper
107 100
109 89.4 66.4 123.4
188 2.3 2.2 3.2



#51
Chlorobenzene
Concen: 5.218 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

Tgt Ion:112 Resp: 466303
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 71.8 55.4 83.2





#52

Ethylbenzene

Concen: 5.663 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

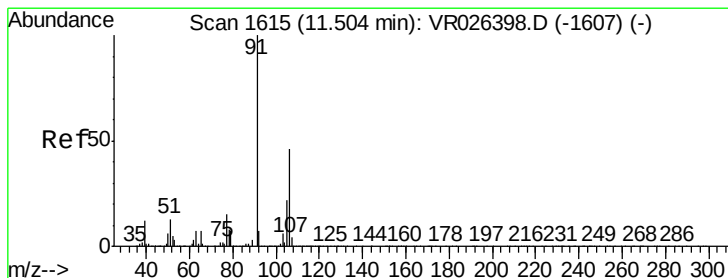
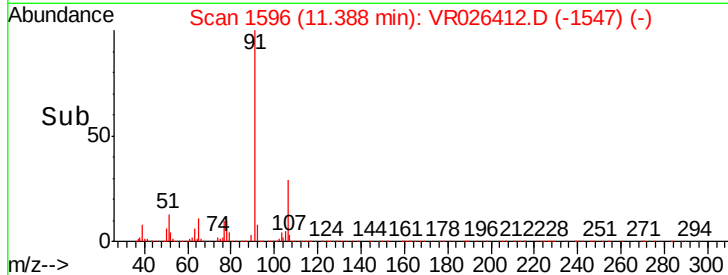
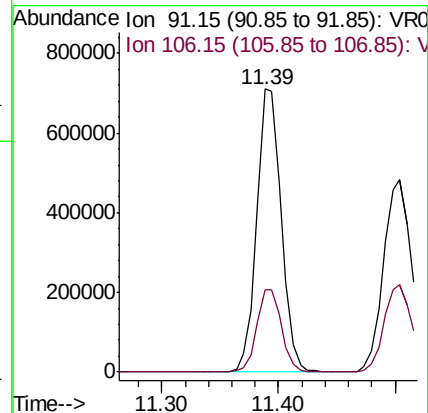
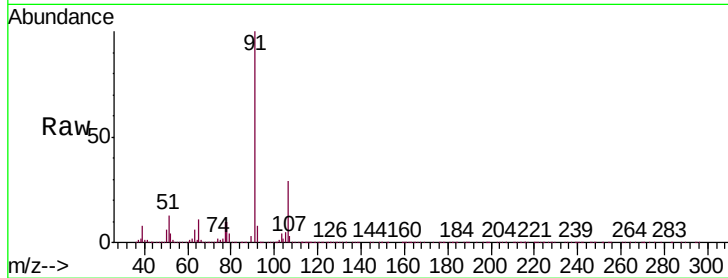
VSTD00592

Tgt Ion: 91 Resp: 1040203

Ion Ratio Lower Upper

91 100

106 29.1 21.2 39.4



#53

m,p-Xylene

Concen: 5.527 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026412.D

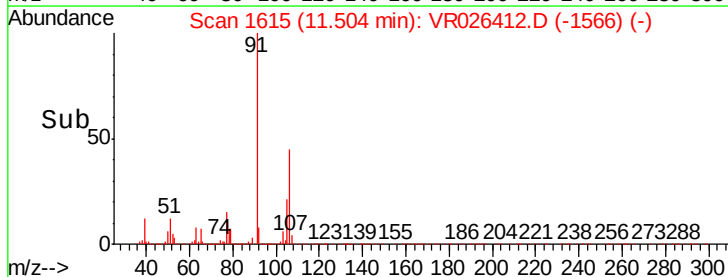
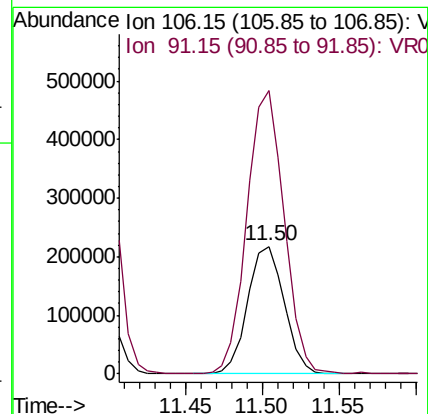
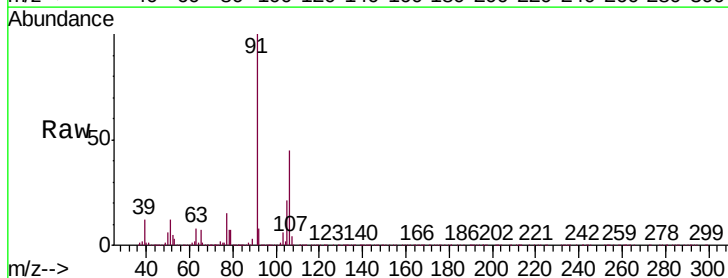
Acq: 27 Feb 2019 19:29

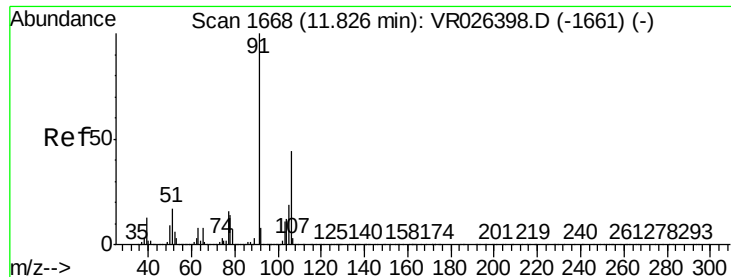
Tgt Ion: 106 Resp: 361895

Ion Ratio Lower Upper

106 100

91 221.4 153.9 285.7

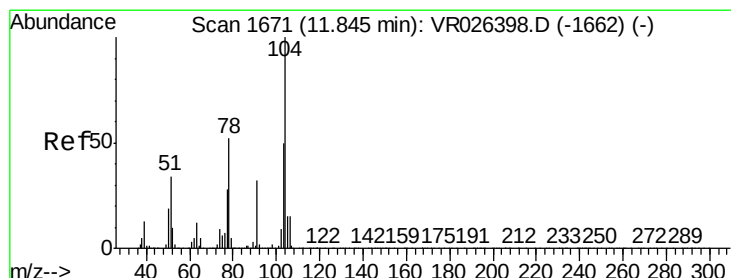
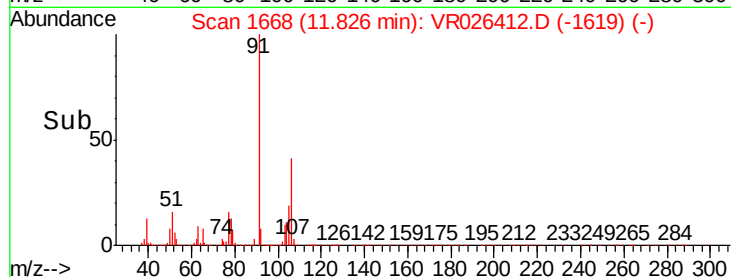
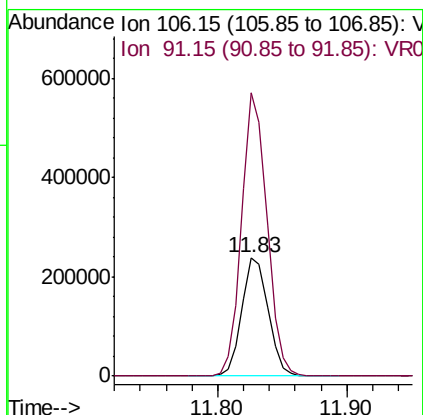
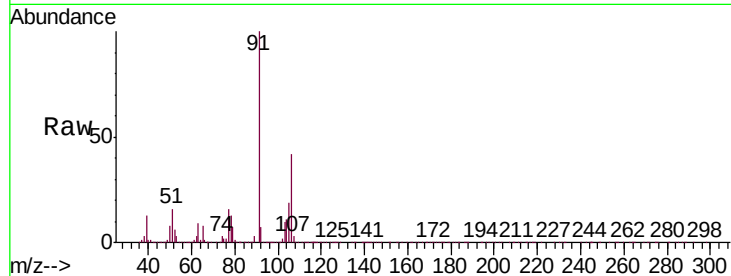




#54
o-Xylene
Concen: 5.895 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

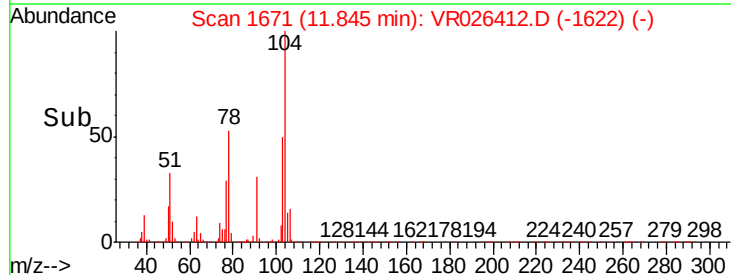
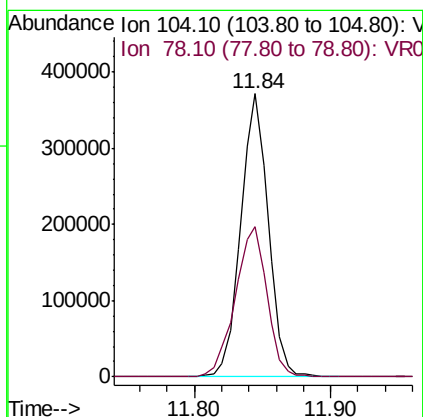
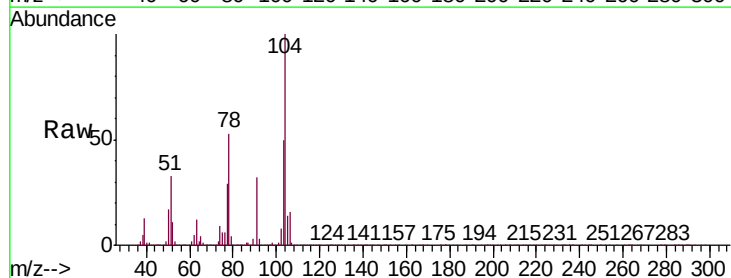
Instrument :
MSVOA_R
ClientSampleId :
VSTD00592

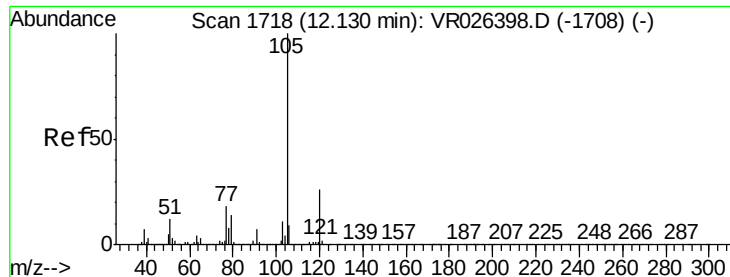
Tgt Ion:106 Resp: 336925
Ion Ratio Lower Upper
106 100
91 239.2 162.5 301.9



#55
Styrene
Concen: 5.782 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026412.D
Acq: 27 Feb 2019 19:29

Tgt Ion:104 Resp: 522375
Ion Ratio Lower Upper
104 100
78 53.2 36.5 67.7





#56

Isopropylbenzene

Concen: 6.159 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

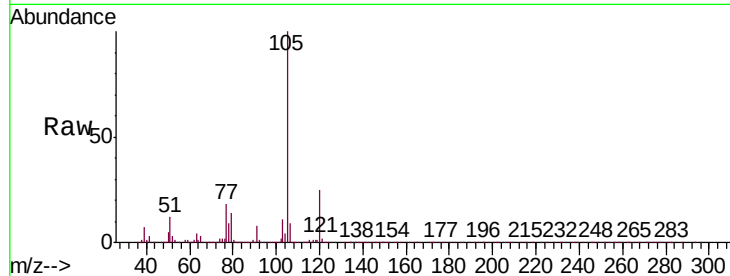
Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

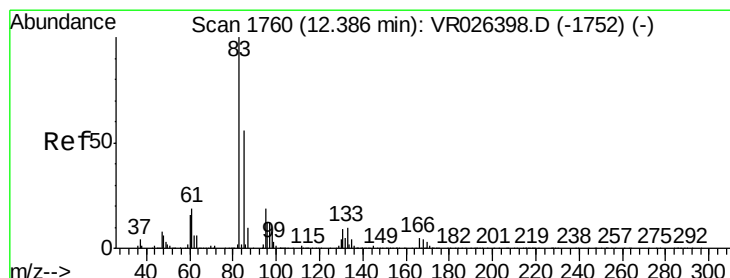
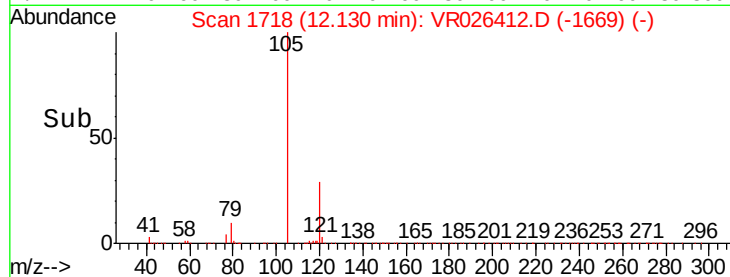
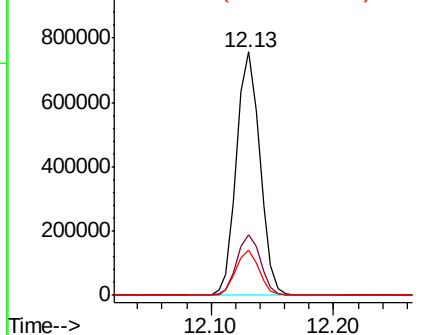
Tgt Ion:	105	Resp:	999737
Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.4	30.6
77	18.5	14.4	21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR



#58

1,1,2,2-Tetrachloroethane

Concen: 5.176 ug/L

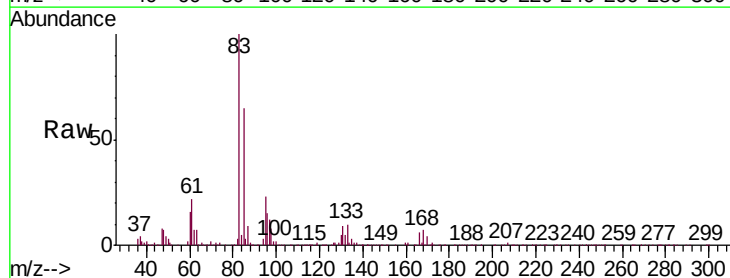
RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

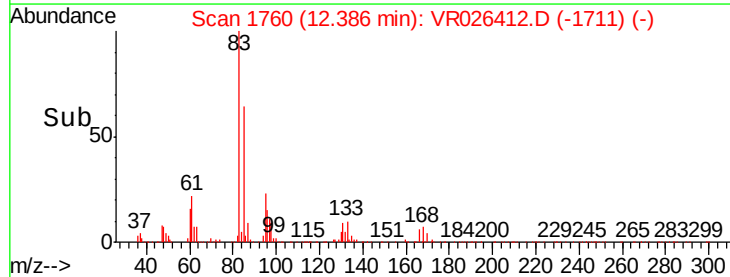
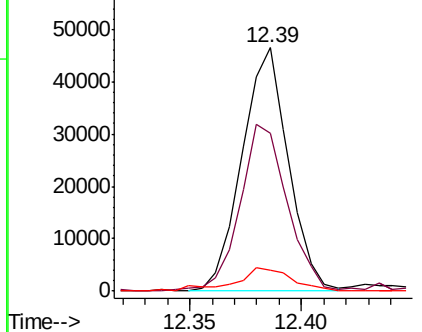
Tgt Ion:	83	Resp:	67322
Ion	Ratio	Lower	Upper
83	100		
85	64.6	46.1	85.7
131	8.6	6.1	9.1

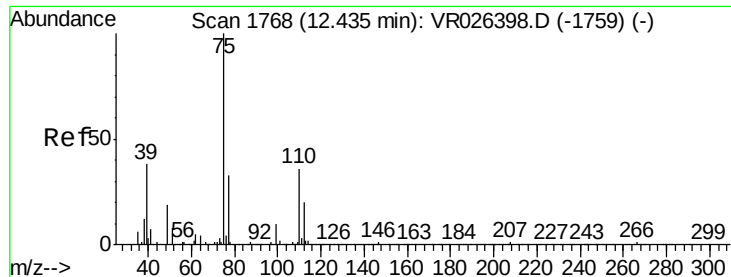


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

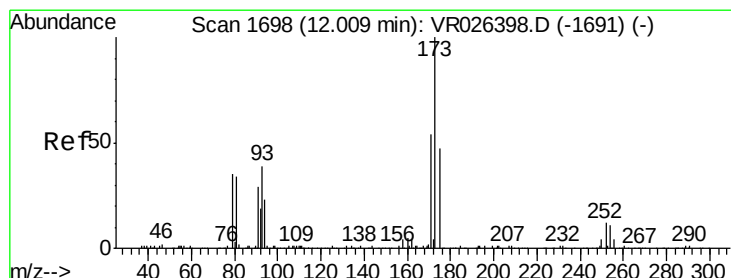
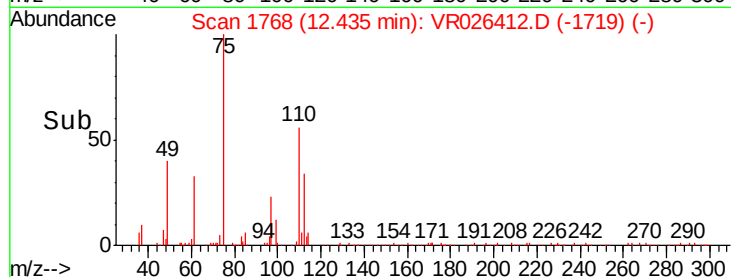
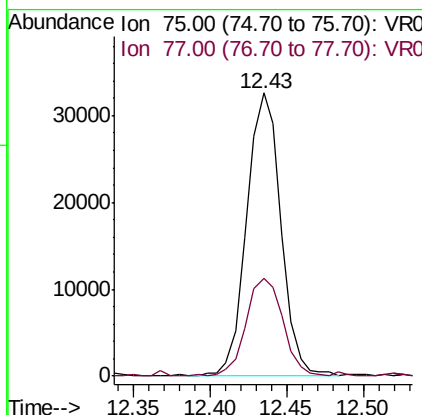
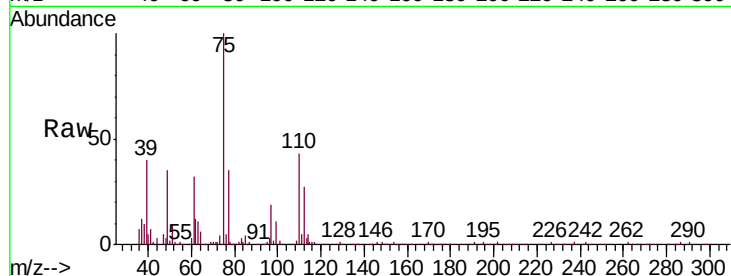




#59
 1,2,3-Trichloropropane
 Concen: 5.319 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

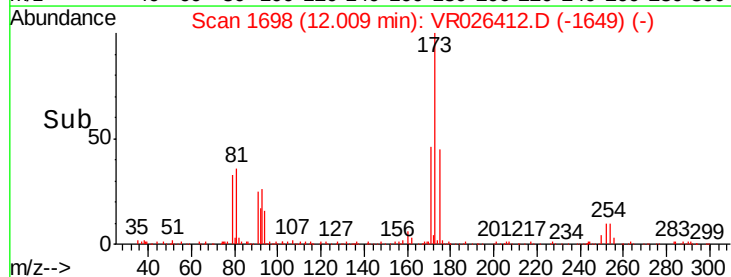
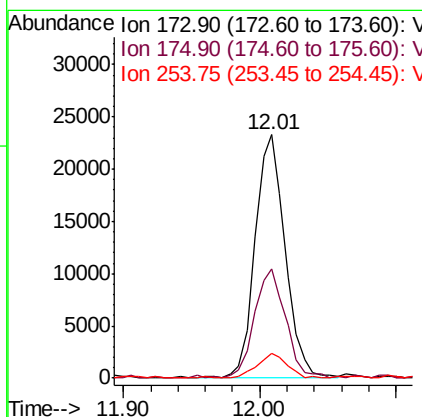
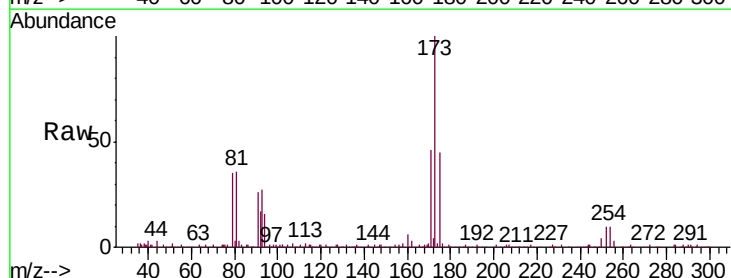
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00592

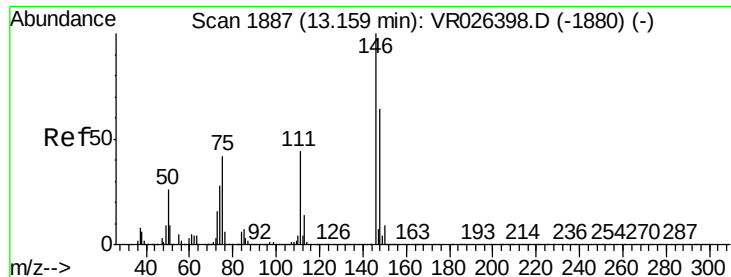
Tgt Ion: 75 Resp: 50651
 Ion Ratio Lower Upper
 75 100
 77 37.3 25.4 38.2



#61
 Bromoform
 Concen: 4.522 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion: 173 Resp: 36150
 Ion Ratio Lower Upper
 173 100
 175 46.2 38.8 58.2
 254 10.2 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 5.226 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampled :

VSTD00592

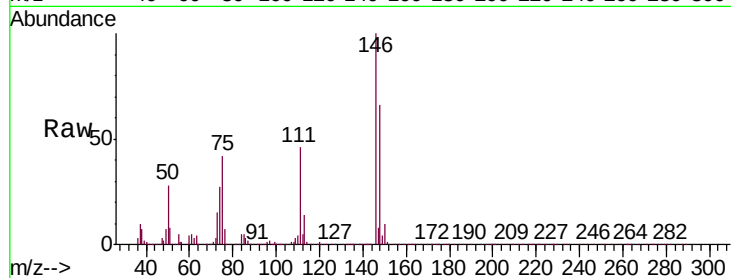
Tgt Ion:146 Resp: 273693

Ion Ratio Lower Upper

146 100

111 46.1 31.1 57.9

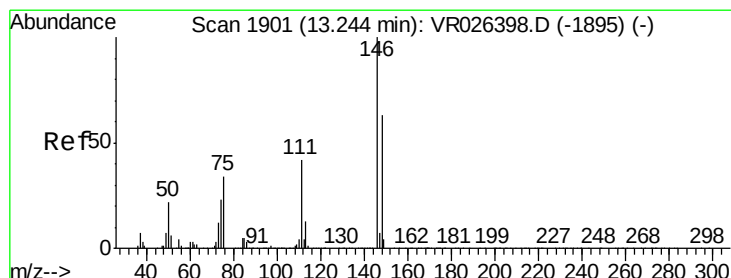
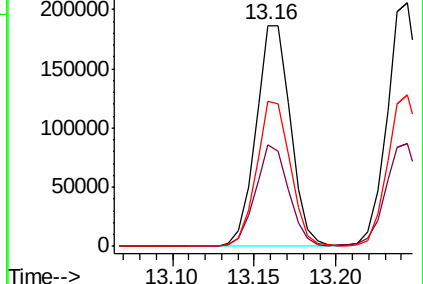
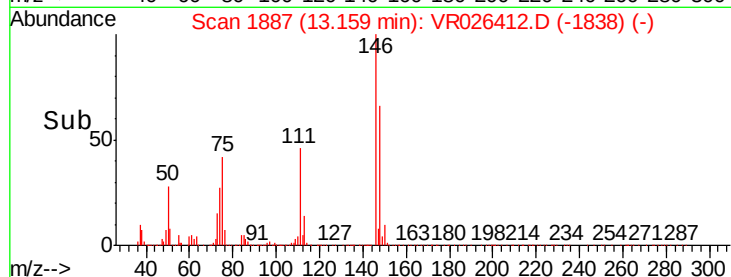
148 65.7 45.4 84.2



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: 5.142 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

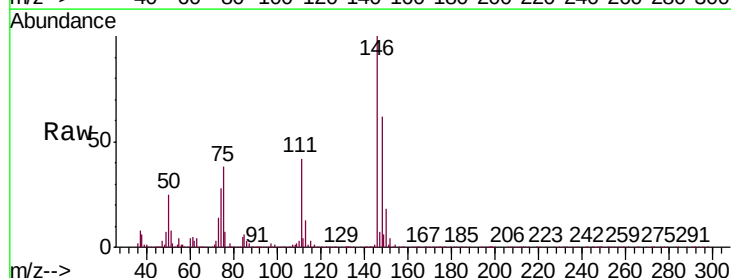
Tgt Ion:146 Resp: 298950

Ion Ratio Lower Upper

146 100

111 42.3 30.0 55.8

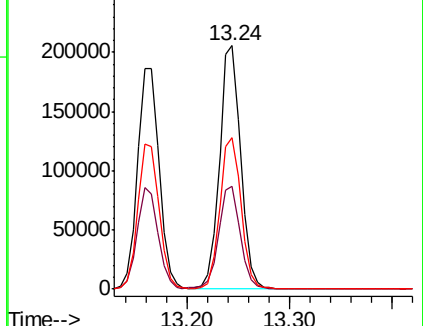
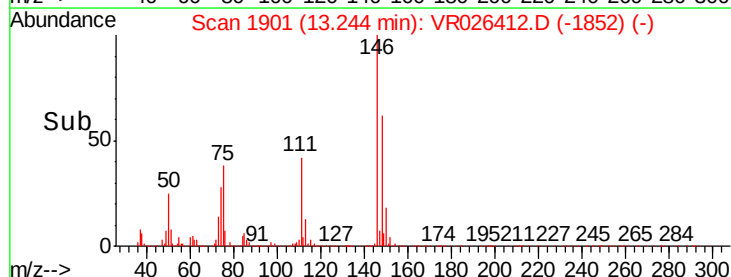
148 62.1 43.7 81.1

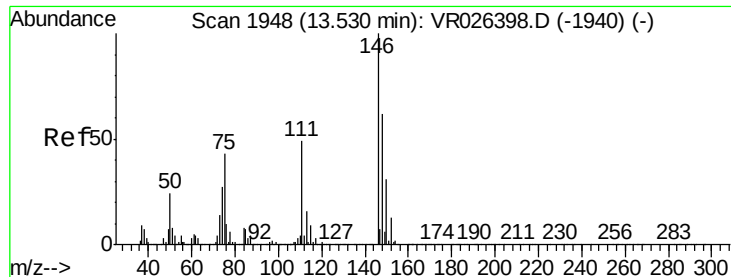


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

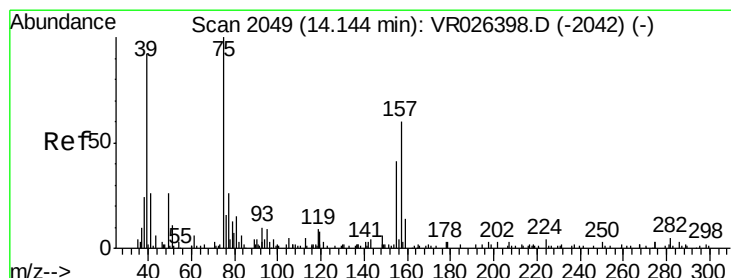
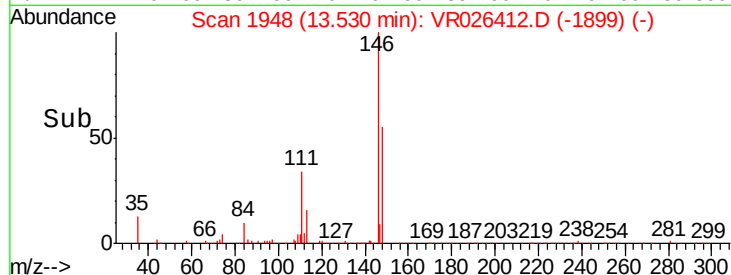
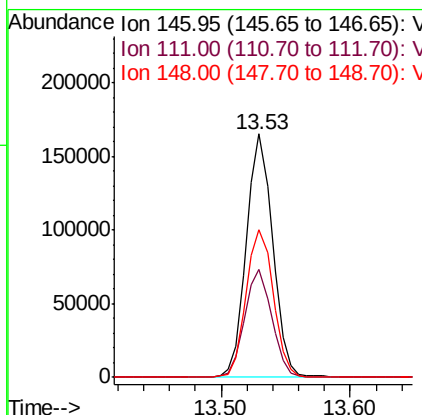
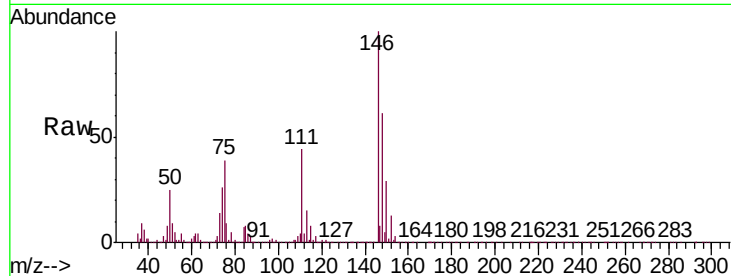




#65
 1,2-Dichlorobenzene
 Concen: 5.380 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

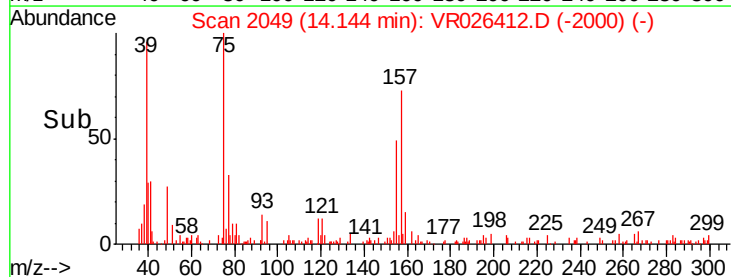
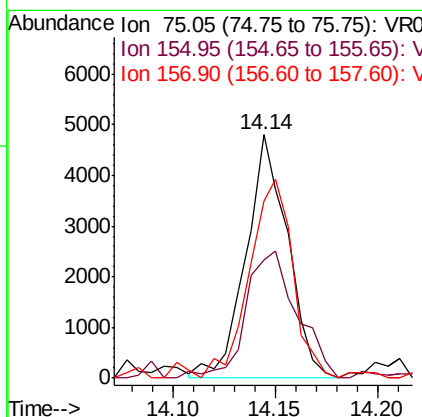
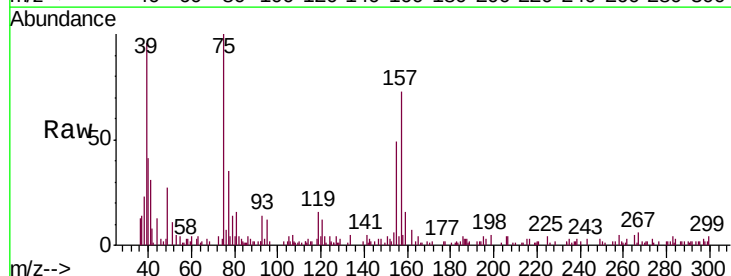
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

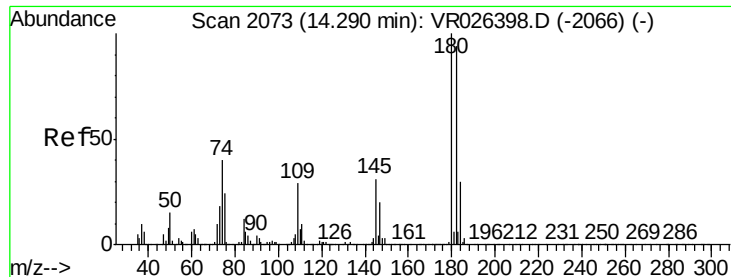
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	36.9	55.3
148	60.8	49.4	74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.218 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	48.6	53.8	80.8#
157	72.7	67.4	101.0

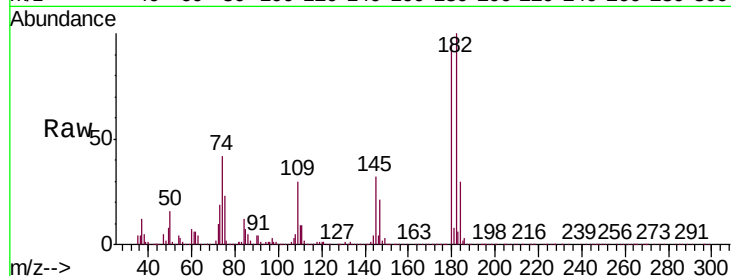




#67
 1,3,5-Trichlorobenzene
 Concen: 5.322 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Tgt Ion:	180	Resp:	172646
Ion Ratio	Lower	Upper	
180	100		
182	97.6	79.0	118.6
184	30.6	25.5	38.3
145	33.5	26.2	39.2



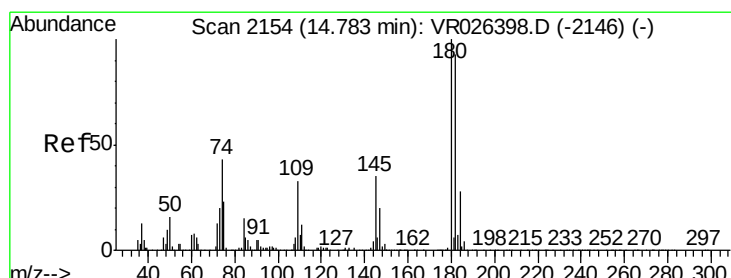
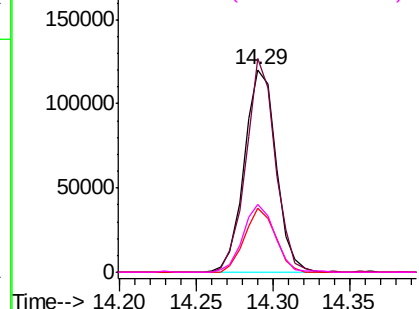
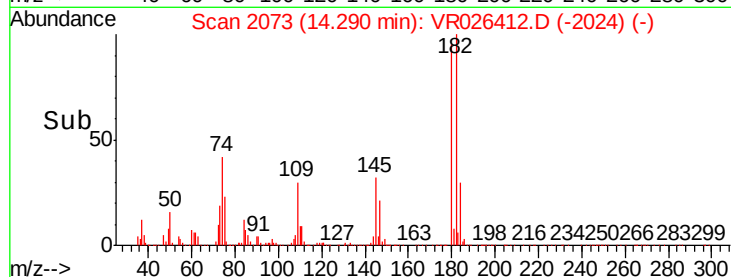
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

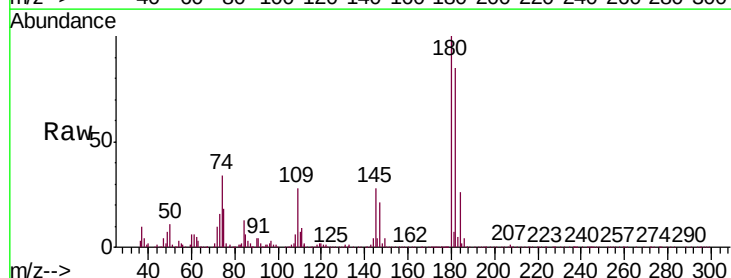
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.315 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026412.D
 Acq: 27 Feb 2019 19:29

Tgt Ion:	180	Resp:	98989
Ion Ratio	Lower	Upper	
180	100		
182	91.9	74.7	112.1
145	32.0	26.6	40.0

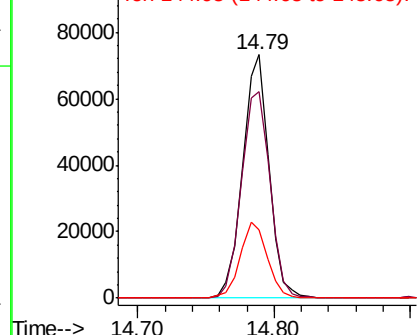
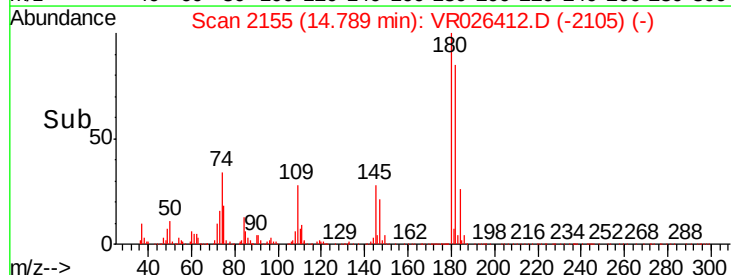


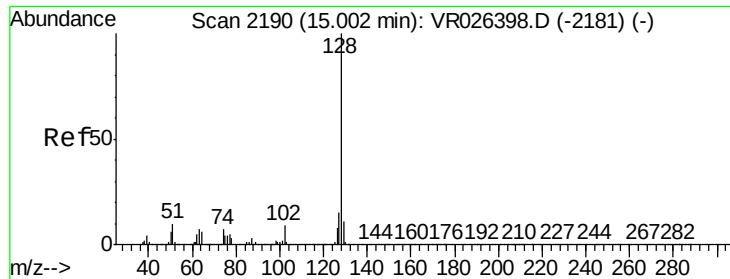
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.339 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

Instrument :

MSVOA_R

ClientSampleId :

VSTD00592

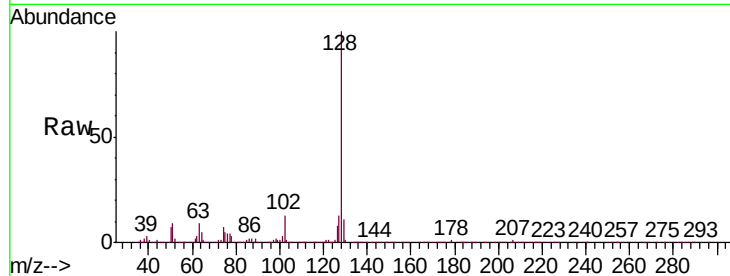
Tgt Ion:128 Resp: 91797

Ion Ratio Lower Upper

128 100

127 14.1 11.2 16.8

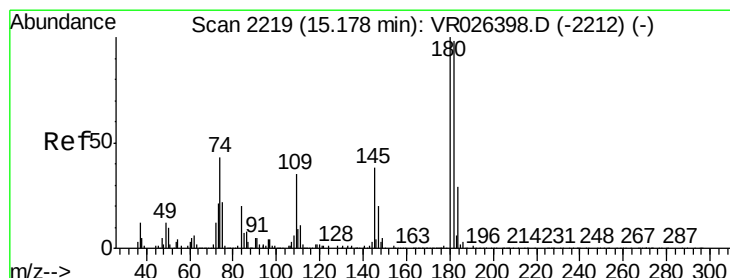
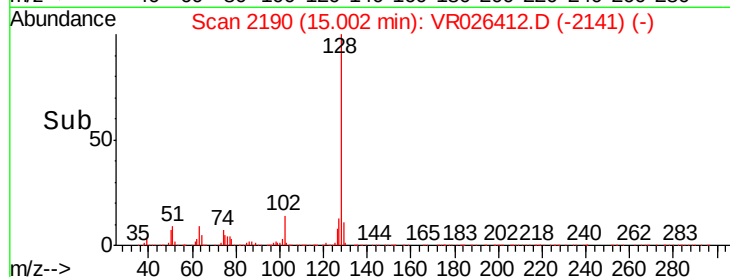
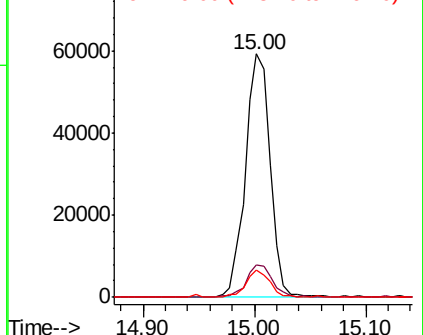
129 10.8 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.811 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026412.D

Acq: 27 Feb 2019 19:29

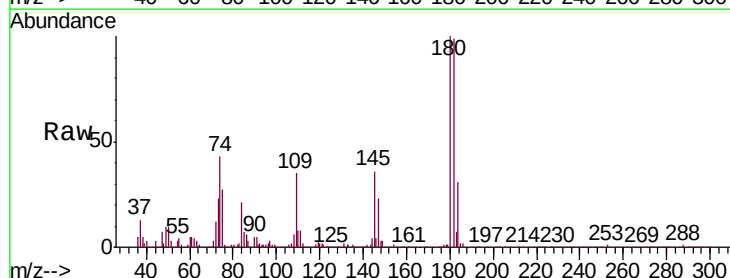
Tgt Ion:180 Resp: 76228

Ion Ratio Lower Upper

180 100

182 98.3 77.4 116.0

145 37.7 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

