

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062118\
 Data File : VR025406.D
 Acq On : 21 Jun 2018 19:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Quant Time: Jun 22 02:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 02:50:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	541245	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	470048	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	198203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	84485	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	2.64	69	60669	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	3.64	63	229829	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	6.60	46	291299	58.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.90%
24) Chloroform-d	7.21	84	365640	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	7.89	65	146909	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	7.86	84	782832	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	8.90	67	230200	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	9.97	98	707506	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	10.24	79	51927	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	10.59	63	262281	62.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.42%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	112047	6.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.20%#
64) 1,2-Dichlorobenzene-d4	13.51	152	161303	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	167901	4.799 ug/L	98
3) Chloromethane	2.01	50	98658	3.896 ug/L	95
5) Vinyl chloride	2.16	62	93902	4.190 ug/L	99
6) Bromomethane	2.53	94	38695	3.542 ug/L	99
8) Chloroethane	2.67	64	51076	4.365 ug/L	100
9) Trichlorofluoromethane	2.98	101	178045	5.439 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	97835	5.095 ug/L	97
12) 1,1-Dichloroethene	3.66	96	87968	4.624 ug/L	97
13) Acetone	3.71	43	121736	54.547 ug/L	100
14) Carbon disulfide	3.96	76	150844	3.768 ug/L	100
15) Methyl Acetate	4.20	43	25296	4.508 ug/L	98
16) Methylene chloride	4.41	84	51737	2.989 ug/L	84
17) Methyl tert-butyl Ether	4.90	73	297030	5.237 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	198121	5.066 ug/L	96
19) 1,1-Dichloroethane	5.69	63	378059	5.145 ug/L	98
21) 2-Butanone	6.69	43	318510	60.381 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	212416	5.205 ug/L #	92

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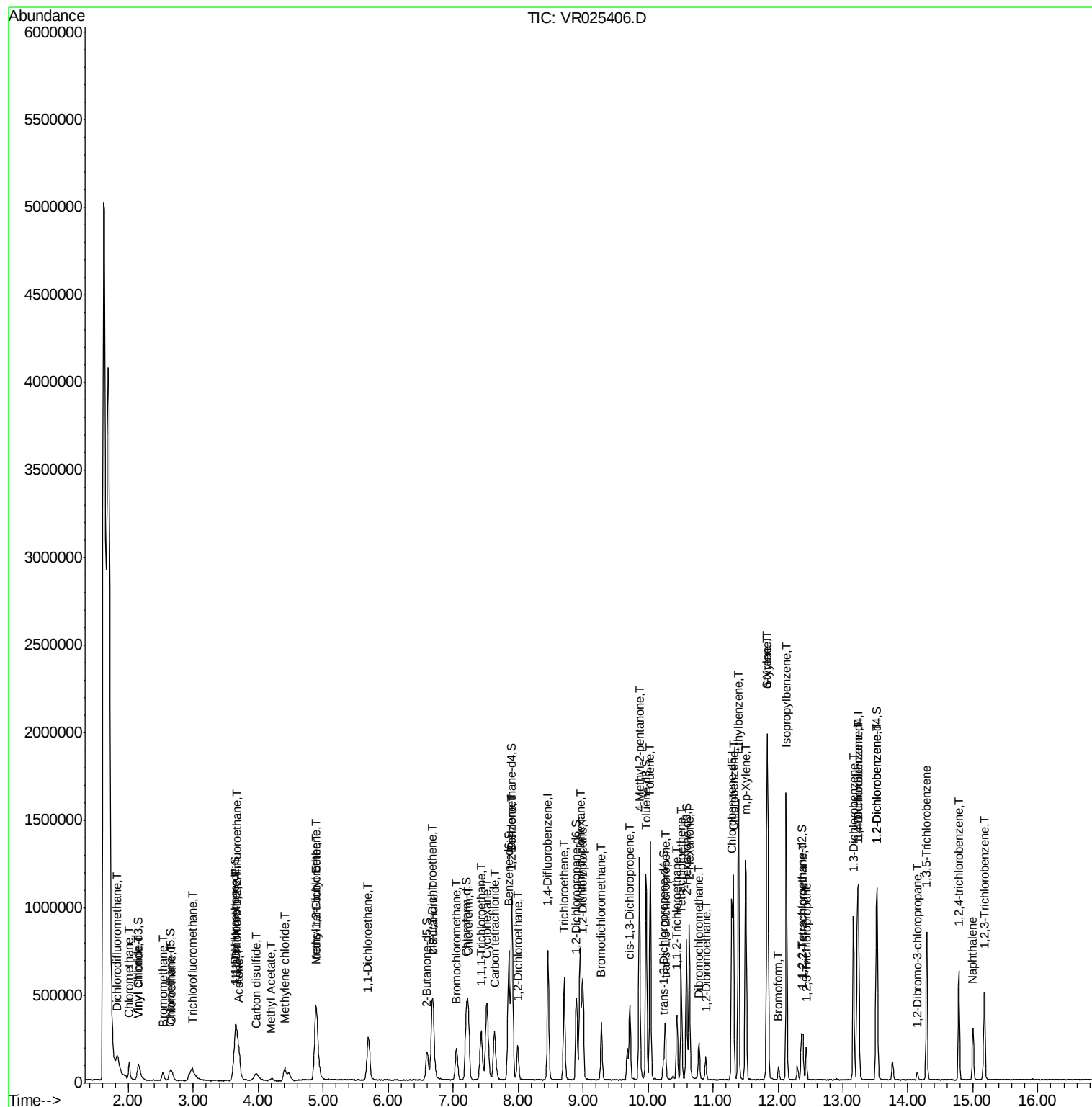
23) Bromochloromethane	7.05	128	66734	5.583	ug/L	92
25) Chloroform	7.24	83	365841	5.447	ug/L	100
27) 1,2-Dichloroethane	8.00	62	165277	5.391	ug/L #	91
29) 1,1,1-Trichloroethane	7.43	97	235165	4.212	ug/L	98
30) Cyclohexane	7.52	56	286622	4.021	ug/L	100
31) Carbon tetrachloride	7.64	117	226252	4.616	ug/L	98
33) Benzene	7.91	78	881343	4.775	ug/L	100
34) Trichloroethene	8.71	95	203429	4.556	ug/L	97
35) Methylcyclohexane	8.96	83	309789	4.397	ug/L	98
37) 1,2-Dichloropropane	8.99	63	217159	5.293	ug/L	100
38) Bromodichloromethane	9.28	83	201946	5.076	ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	229201	4.744	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	781693	58.880	ug/L	98
42) Toluene	10.03	91	910023	4.602	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	158092	4.757	ug/L	93
45) 1,1,2-Trichloroethane	10.44	97	102838	5.400	ug/L	96
47) Tetrachloroethene	10.51	164	134517	4.513	ug/L	94
48) 2-Hexanone	10.64	43	528867	62.492	ug/L	97
49) Dibromochloromethane	10.78	129	94834	5.172	ug/L	98
50) 1,2-Dibromoethane	10.89	107	79206	5.188	ug/L	96
51) Chlorobenzene	11.31	112	525862	4.965	ug/L	99
52) Ethylbenzene	11.39	91	1010384	5.150	ug/L	96
53) m,p-Xylene	11.50	106	366096	4.887	ug/L	96
54) o-Xylene	11.83	106	350682	5.239	ug/L	95
55) Styrene	11.84	104	583947	5.676	ug/L	96
56) Isopropylbenzene	12.13	105	930146	5.168	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	111313	6.311	ug/L #	95
59) 1,2,3-Trichloropropane	12.44	75	75207	5.908	ug/L	98
61) Bromoform	12.01	173	30124	4.261	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	321731	4.625	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	347781	5.001	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	285446	5.121	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.14	75	11692	5.308	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.29	180	222371	4.827	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	155219	4.840	ug/L	99
69) Naphthalene	15.00	128	210713	5.048	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	133537	5.380	ug/L	97

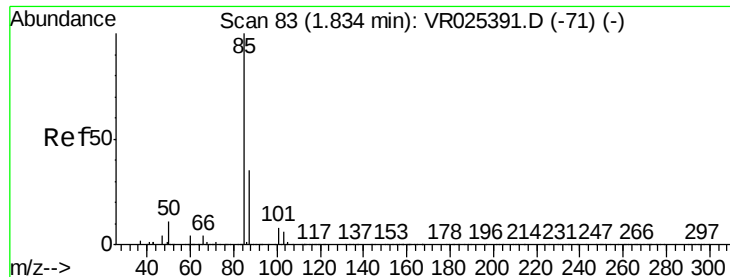
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.799 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampled :

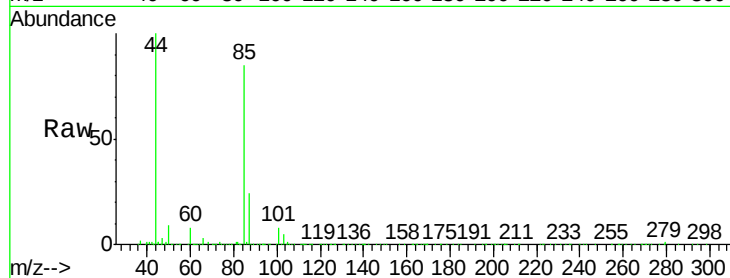
VSTD00594

Tgt Ion: 85 Resp: 167901

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.83

50000

40000

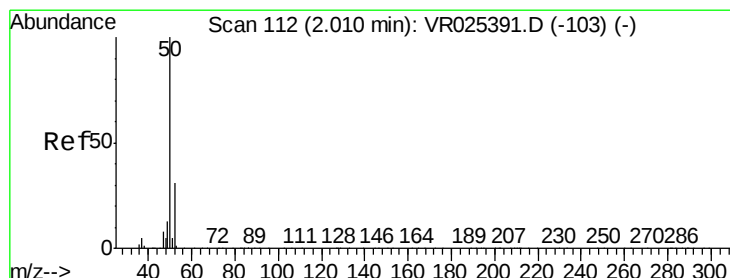
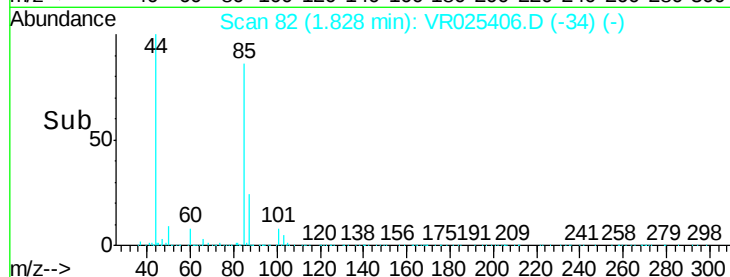
30000

20000

10000

0

Time--> 1.70 1.80 1.90 2.00



#3

Chloromethane

Concen: 3.896 ug/L

RT: 2.01 min Scan# 112

Delta R.T. 0.00 min

Lab File: VR025406.D

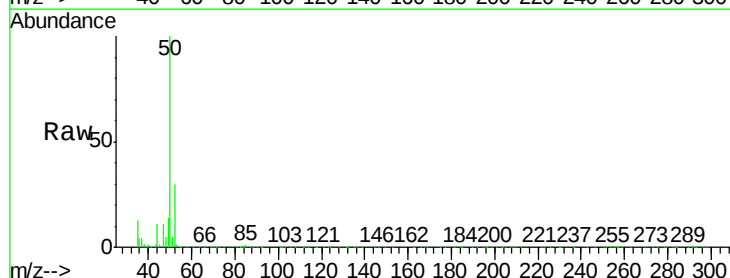
Acq: 21 Jun 2018 19:54

Tgt Ion: 50 Resp: 98658

Ion Ratio Lower Upper

50 100

52 29.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

60000

50000

40000

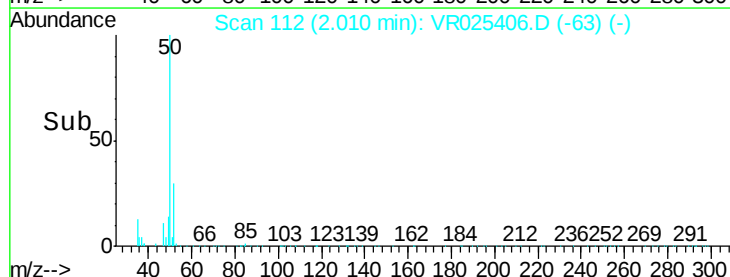
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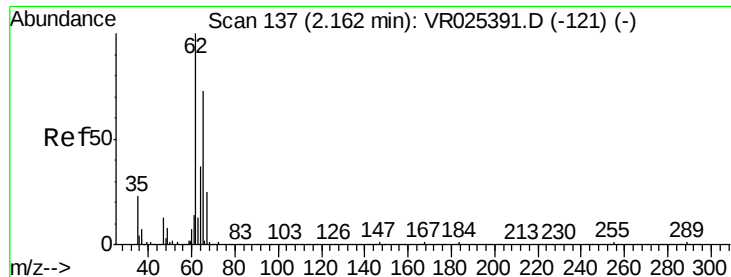
20000

10000

0

Time--> 1.90 2.00 2.10





#5

Vinyl chloride

Concen: 4.190 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

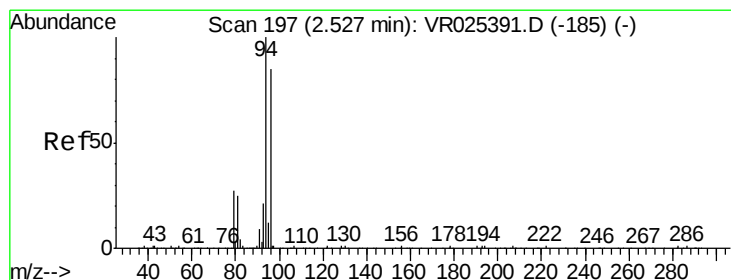
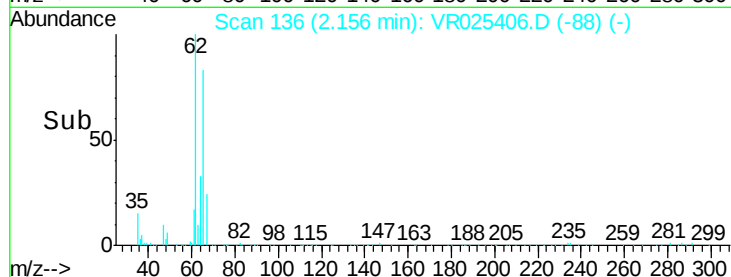
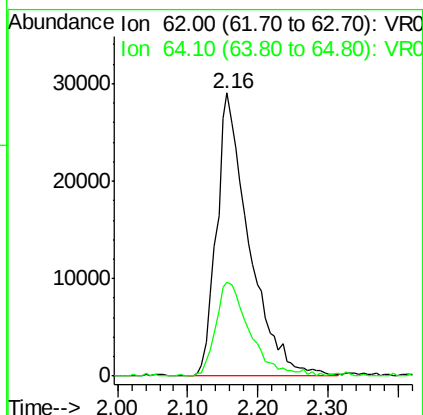
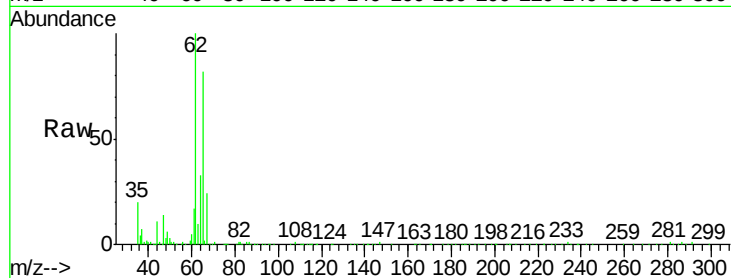
VSTD00594

Tgt Ion: 62 Resp: 93902

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



#6

Bromomethane

Concen: 3.542 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.01 min

Lab File: VR025406.D

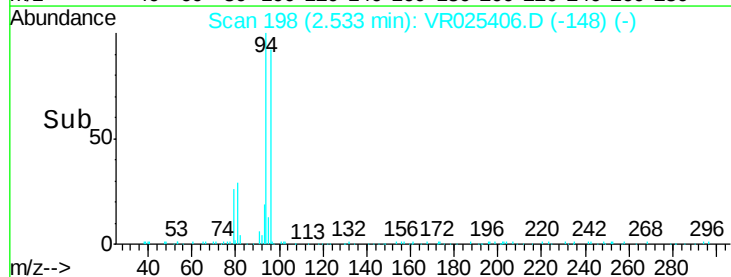
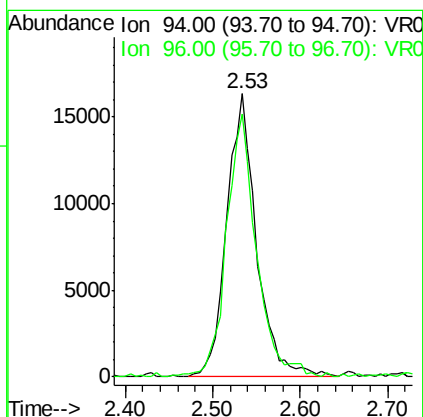
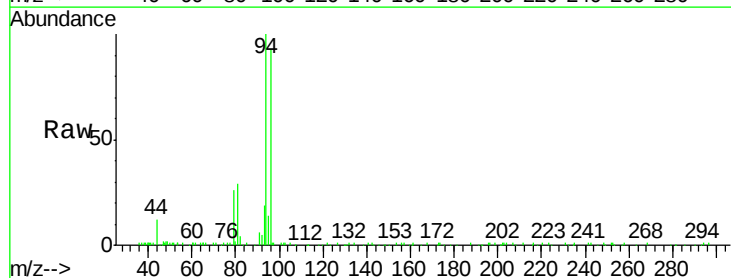
Acq: 21 Jun 2018 19:54

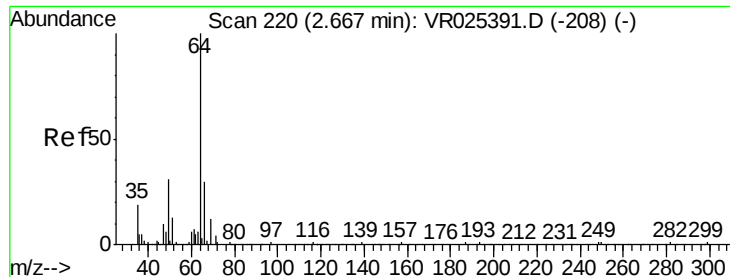
Tgt Ion: 94 Resp: 38695

Ion Ratio Lower Upper

94 100

96 92.7 65.9 122.3

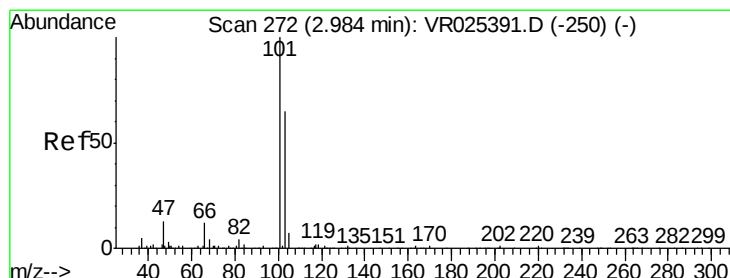
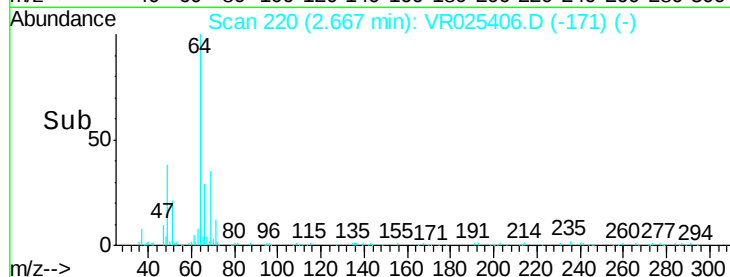
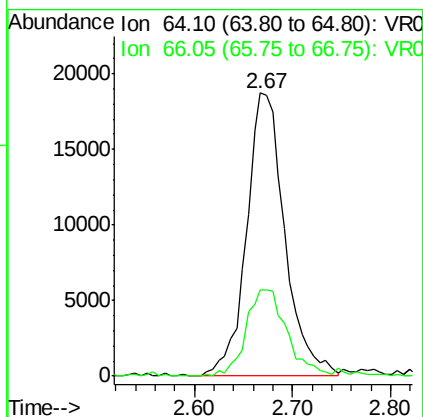
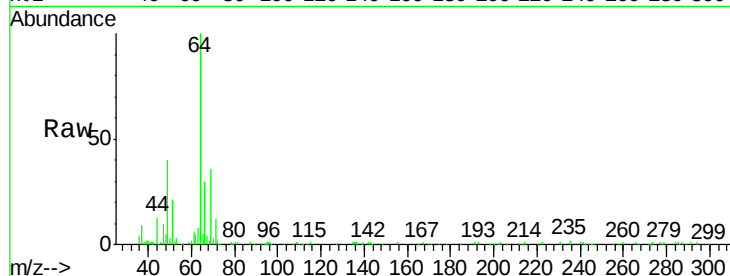




#8
Chloroethane
Concen: 4.365 ug/L
RT: 2.67 min Scan# 220
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

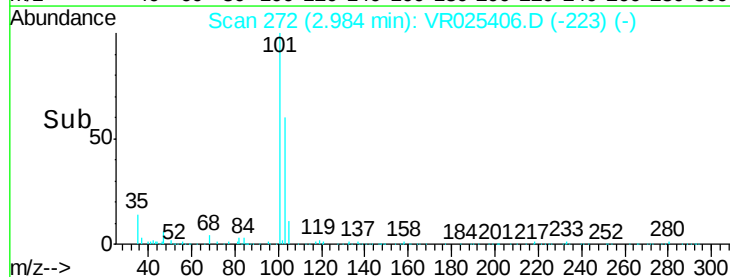
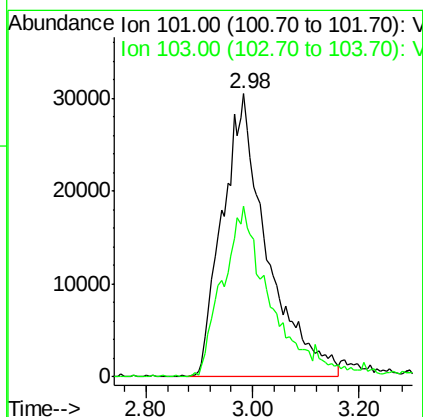
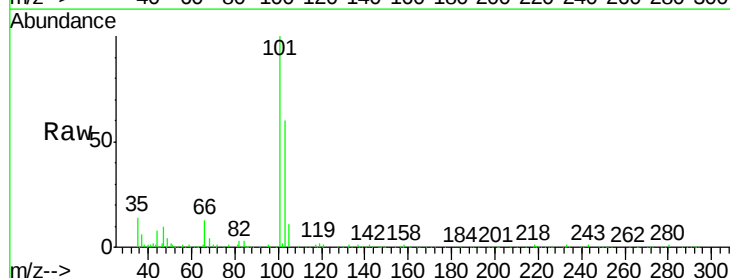
Instrument :
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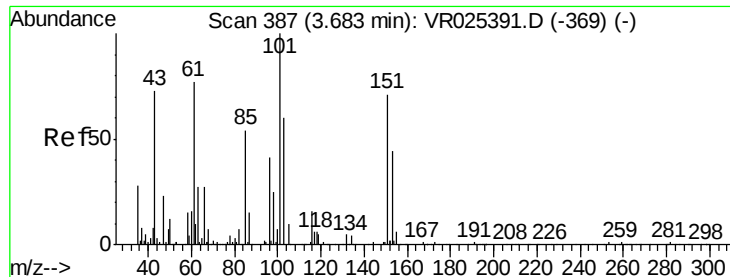
Tgt Ion: 64 Resp: 51076
Ion Ratio Lower Upper
64 100
66 30.3 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.439 ug/L
RT: 2.98 min Scan# 272
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion: 101 Resp: 178045
Ion Ratio Lower Upper
101 100
103 60.1 11.0 16.4#





#10

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

Concen: 5.095 ug/L

RT: 3.68 min Scan# 386

Delta R.T. -0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

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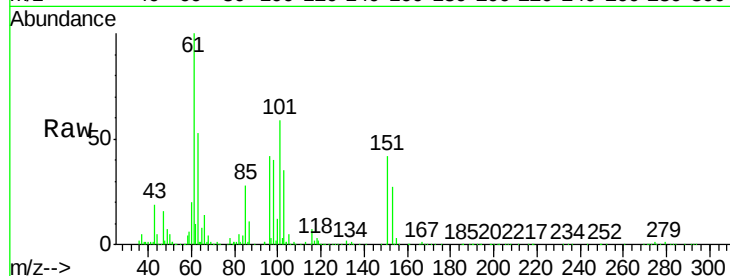
Tgt Ion: 101 Resp: 97835

Ion Ratio Lower Upper

101 100

85 50.4 39.1 58.7

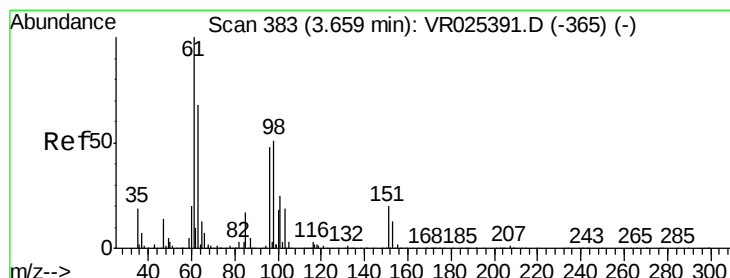
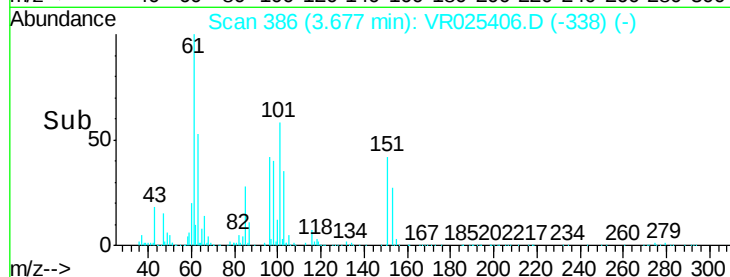
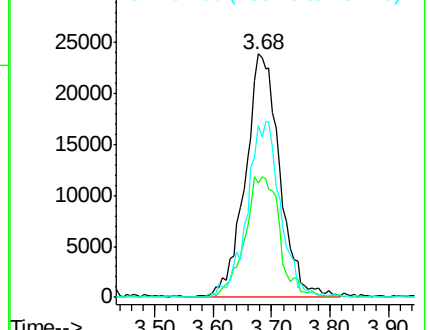
151 69.4 57.5 86.3



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: 4.624 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.00 min

Lab File: VR025406.D

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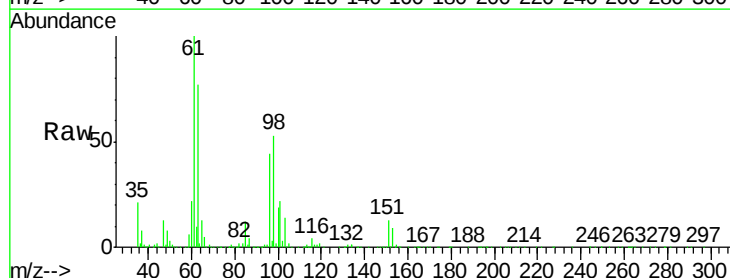
Tgt Ion: 96 Resp: 87968

Ion Ratio Lower Upper

96 100

61 228.9 155.0 287.9

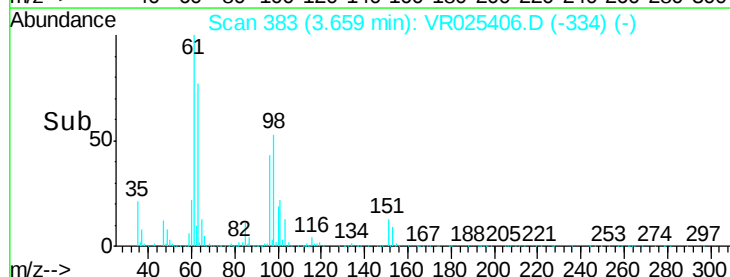
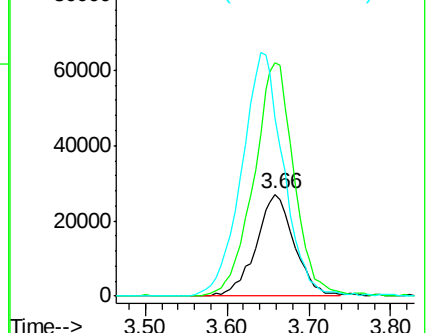
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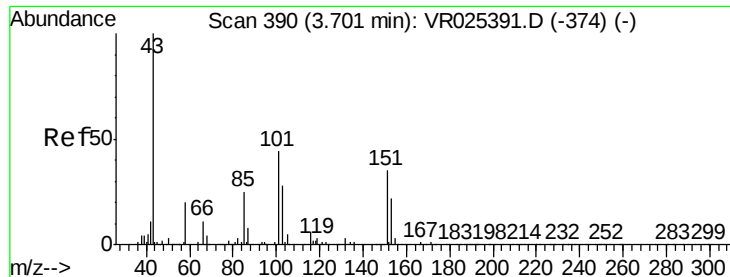


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 54.547 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

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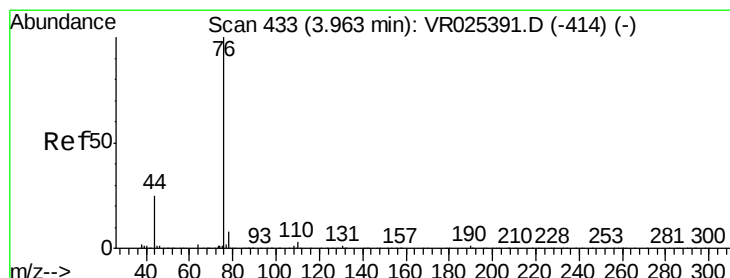
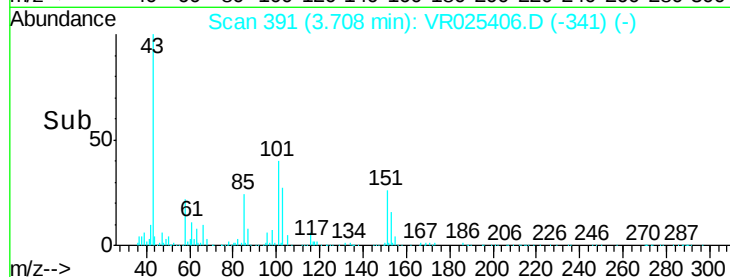
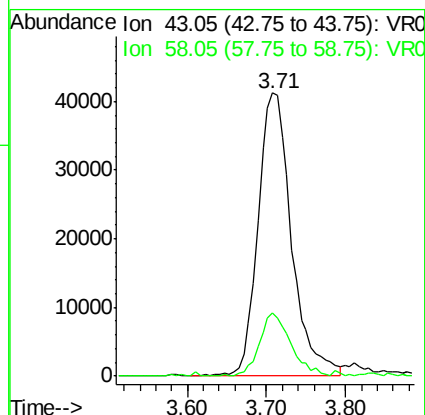
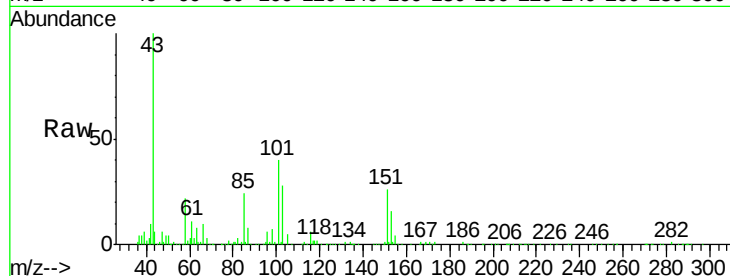
VSTD00594

Tgt Ion: 43 Resp: 121736

Ion Ratio Lower Upper

43 100

58 20.8 0.0 41.6



#14

Carbon disulfide

Concen: 3.768 ug/L

RT: 3.96 min Scan# 433

Delta R.T. 0.00 min

Lab File: VR025406.D

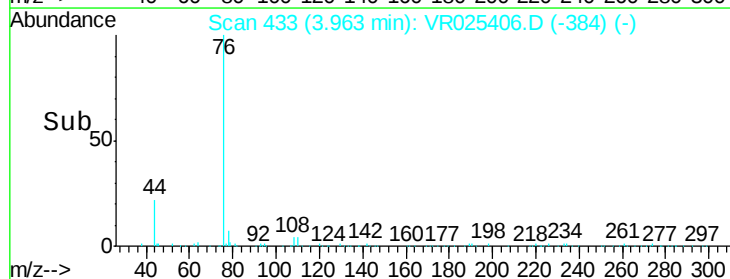
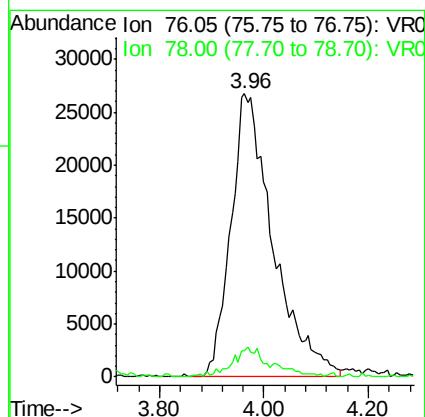
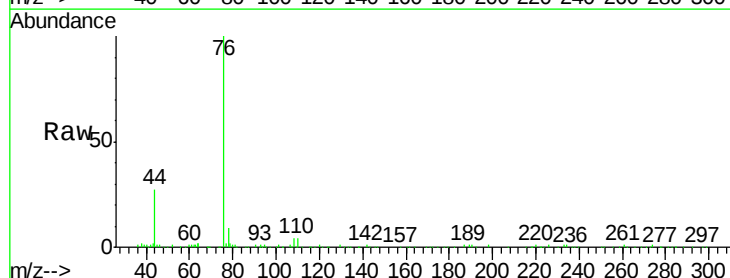
Acq: 21 Jun 2018 19:54

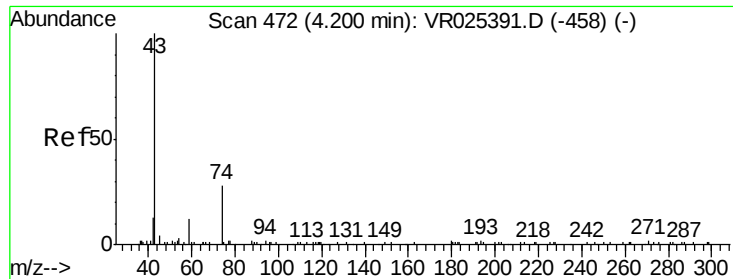
Tgt Ion: 76 Resp: 150844

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 4.508 ug/L

RT: 4.20 min Scan# 472

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

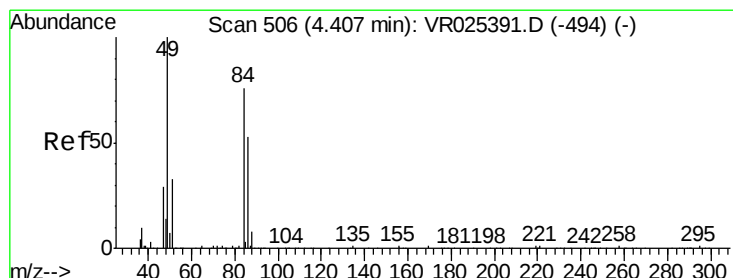
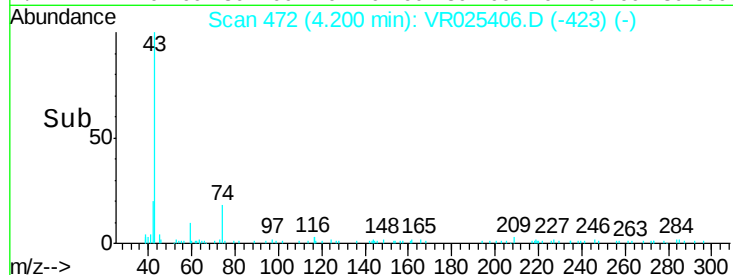
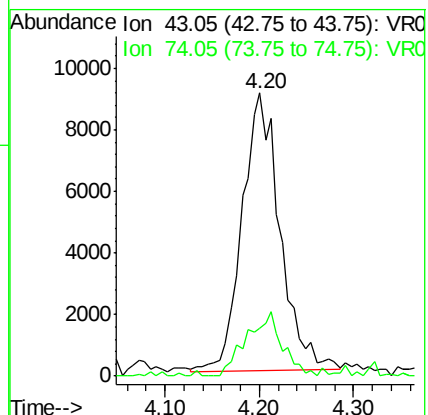
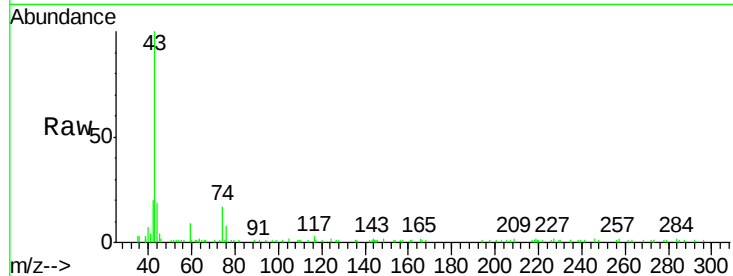
VSTD00594

Tgt Ion: 43 Resp: 25296

Ion Ratio Lower Upper

43 100

74 21.9 16.7 25.1



#16

Methylene chloride

Concen: 2.989 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

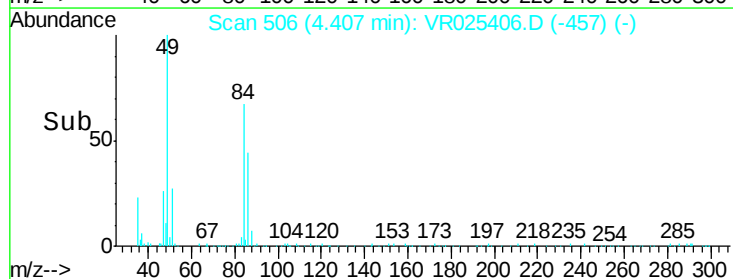
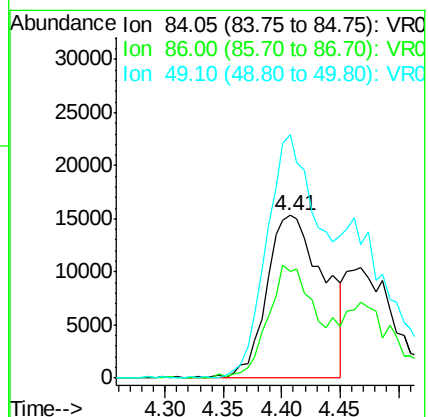
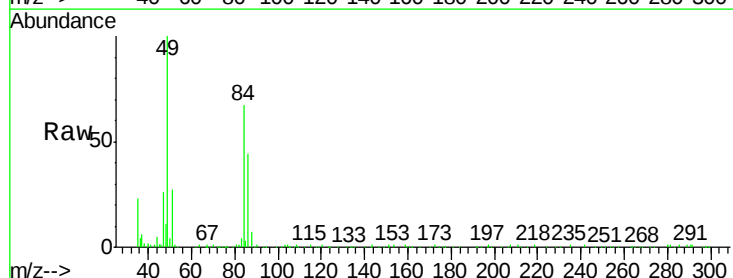
Tgt Ion: 84 Resp: 51737

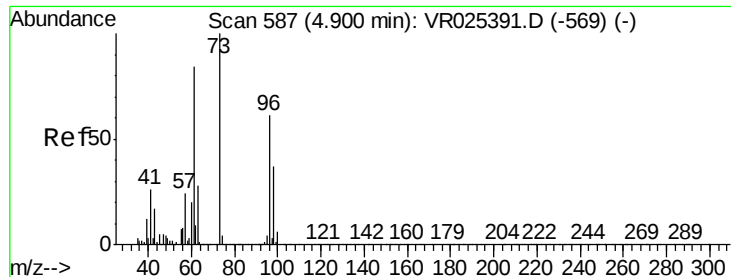
Ion Ratio Lower Upper

84 100

86 65.7 43.7 81.1

49 149.7 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 5.237 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

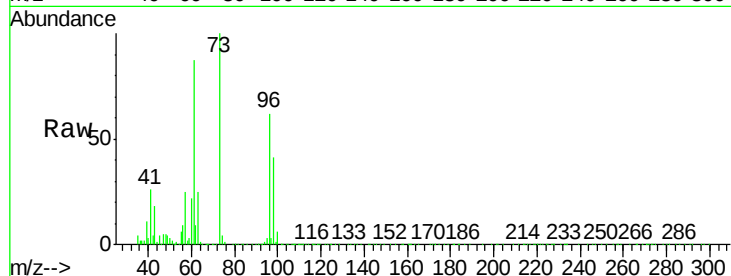
Tgt Ion: 73 Resp: 297030

Ion Ratio Lower Upper

73 100

43 18.4 15.8 23.6

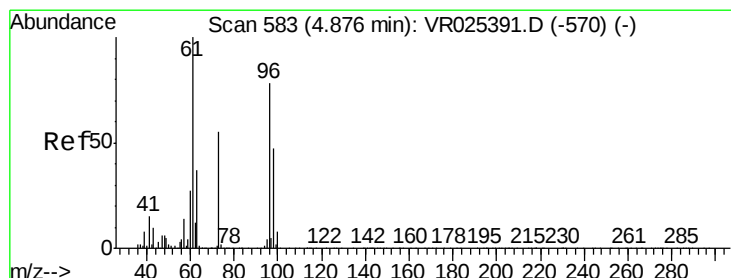
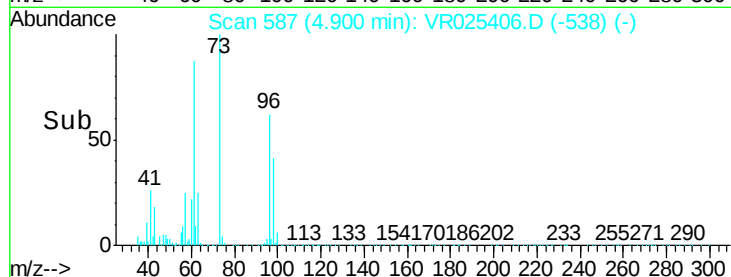
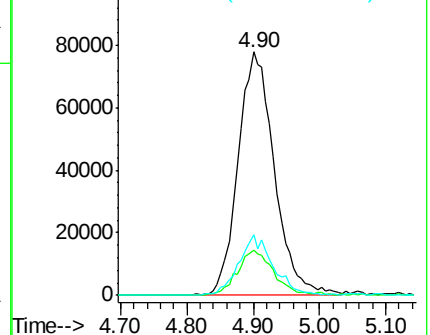
57 23.0 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 5.066 ug/L

RT: 4.88 min Scan# 584

Delta R.T. 0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

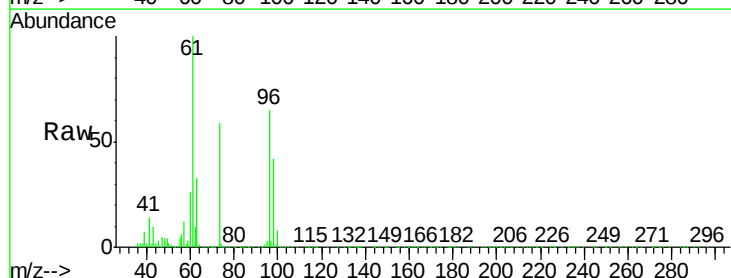
Tgt Ion: 96 Resp: 198121

Ion Ratio Lower Upper

96 100

61 153.7 104.4 193.8

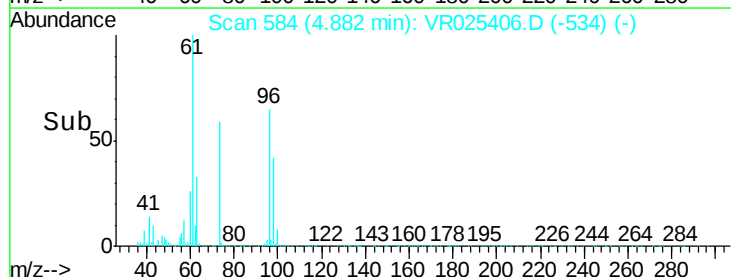
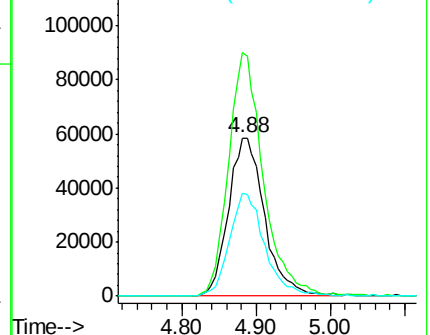
98 64.8 43.1 80.1

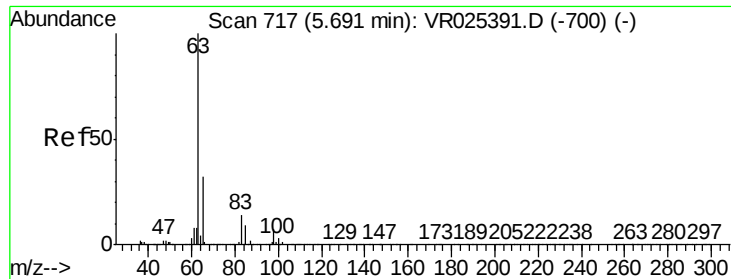


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

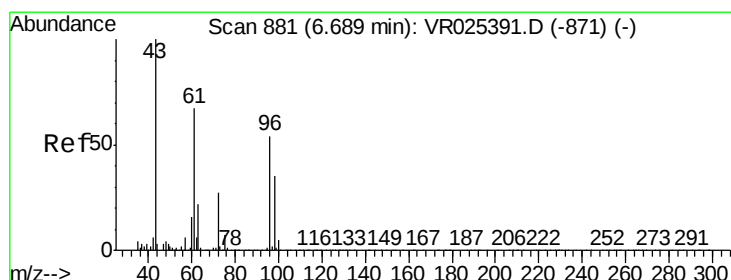
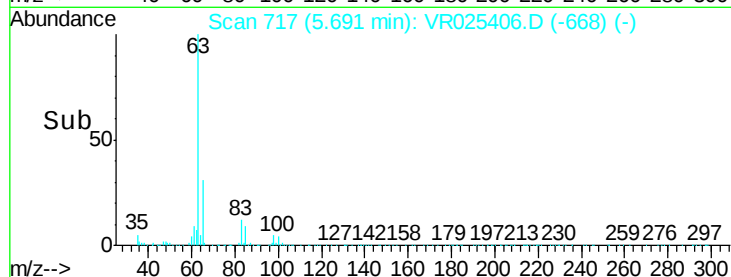
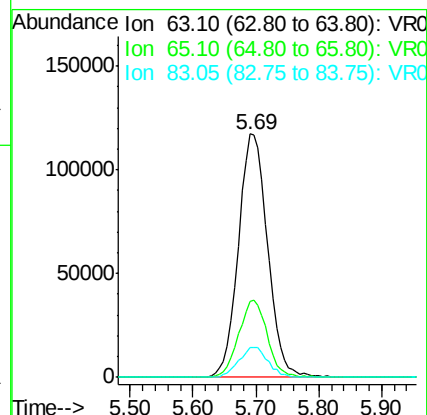
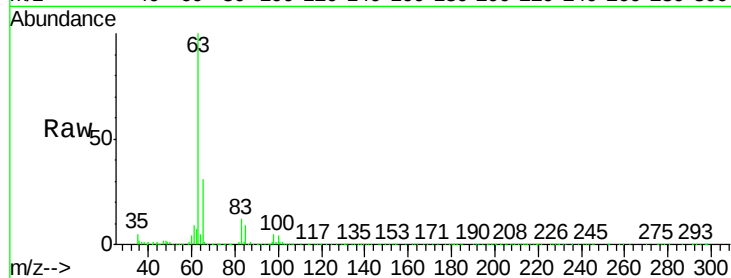




#19
 1,1-Dichloroethane
 Concen: 5.145 ug/L
 RT: 5.69 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

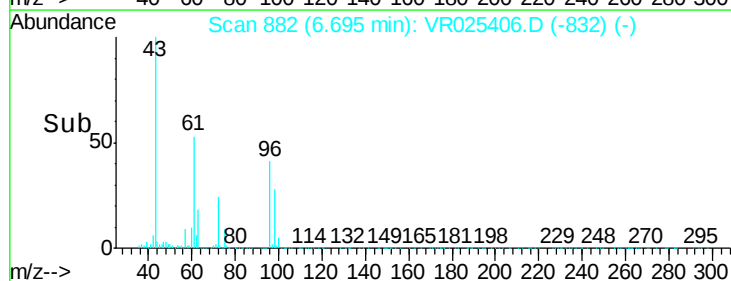
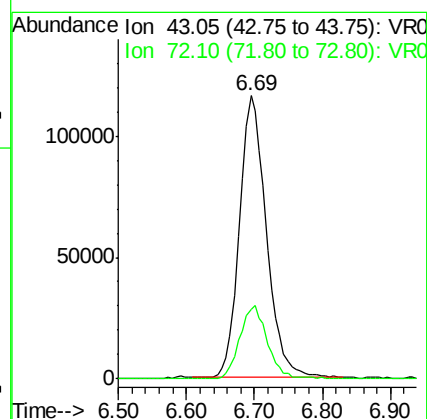
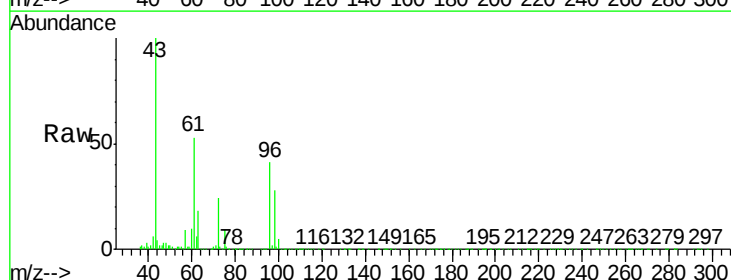
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

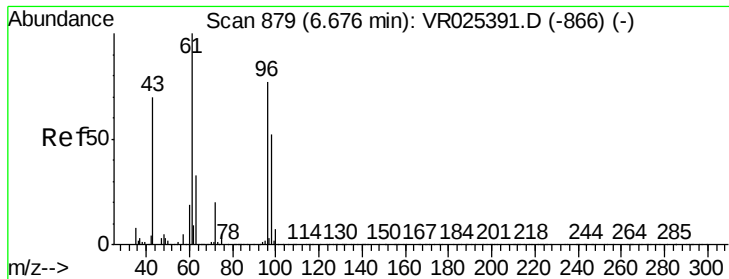
Tgt Ion:	63	Resp:	378059
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.5	41.7
83	12.2	9.5	17.7



#21
 2-Butanone
 Concen: 60.381 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. 0.01 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion:	43	Resp:	318510
Ion	Ratio	Lower	Upper
43	100		
72	26.3	13.0	38.9



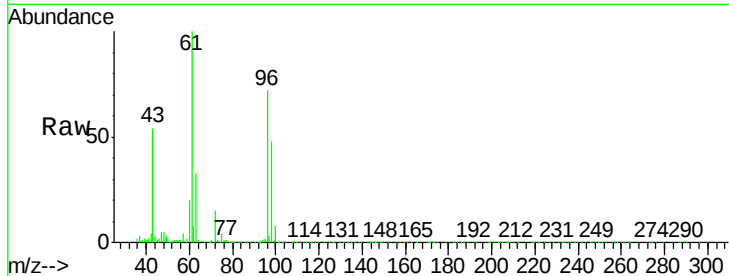


#22

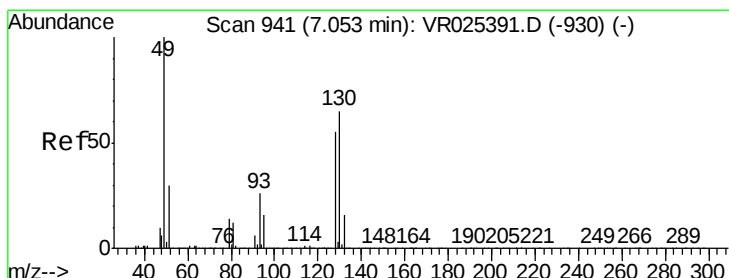
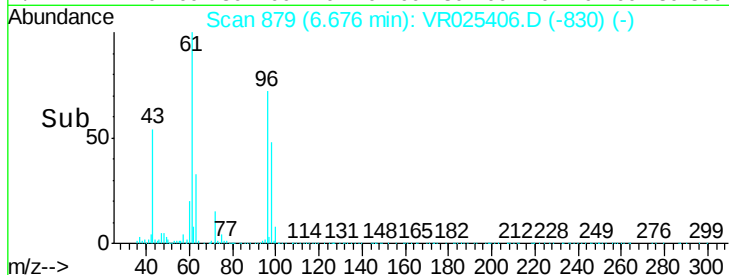
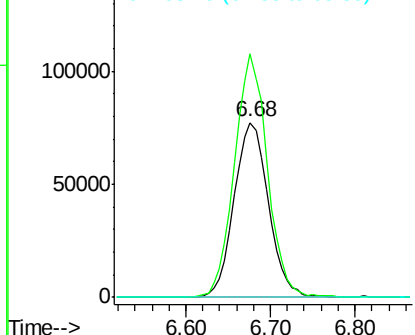
cis-1,2-Dichloroethene
Concen: 5.205 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Tgt Ion: 96 Resp: 212416
Ion Ratio Lower Upper
96 100
61 139.5 91.0 169.0
68 0.2 0.0 0.0#



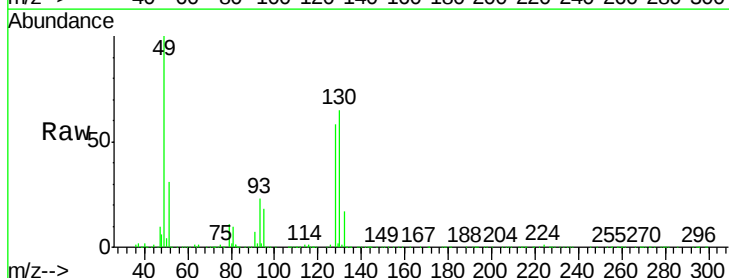
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



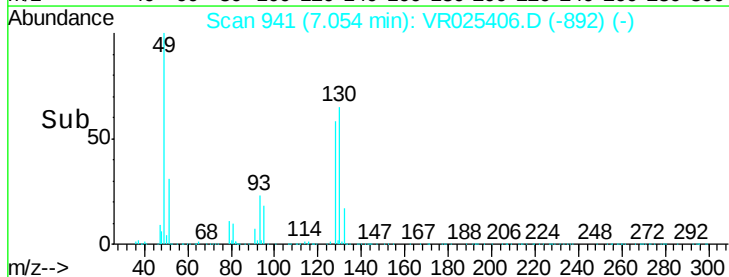
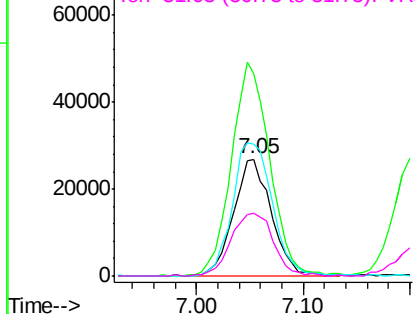
#23

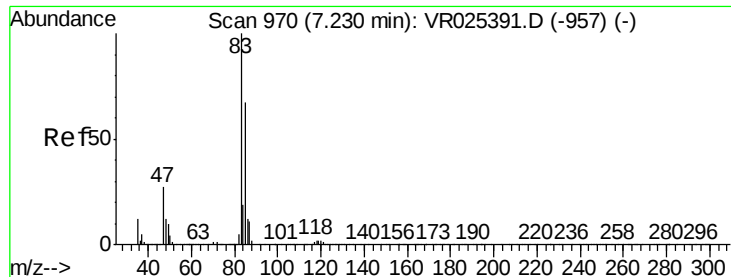
Bromochloromethane
Concen: 5.583 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion: 128 Resp: 66734
Ion Ratio Lower Upper
128 100
49 173.6 128.7 238.9
130 113.2 87.2 161.9
51 53.8 48.2 72.2



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: 5.447 ug/L

RT: 7.24 min Scan# 971

Delta R.T. 0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

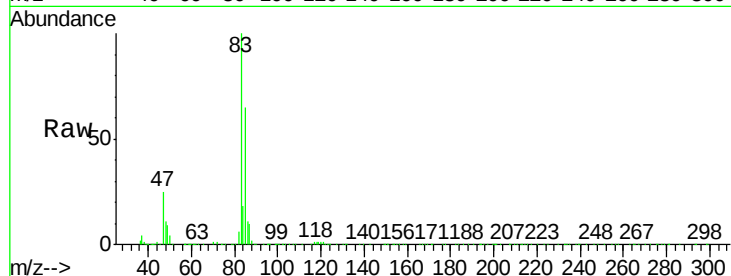
VSTD00594

Tgt Ion: 83 Resp: 365841

Ion Ratio Lower Upper

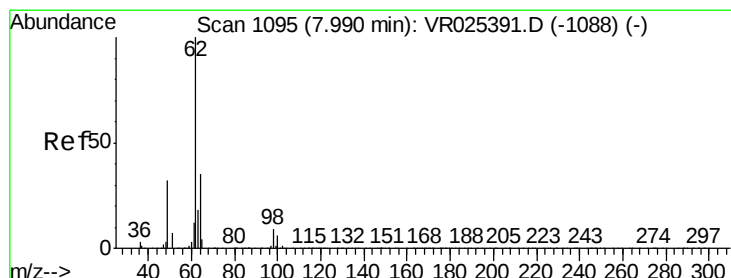
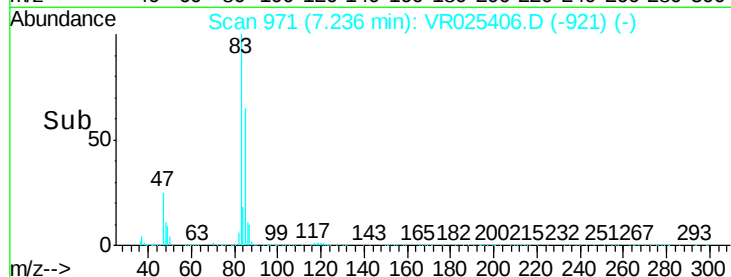
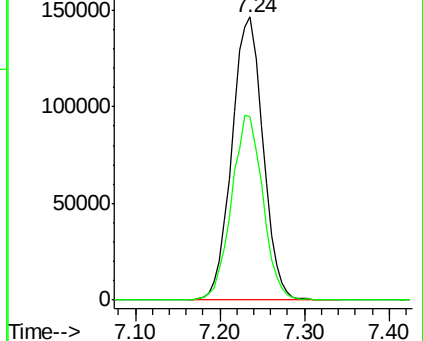
83 100

85 64.9 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.391 ug/L

RT: 8.00 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VR025406.D

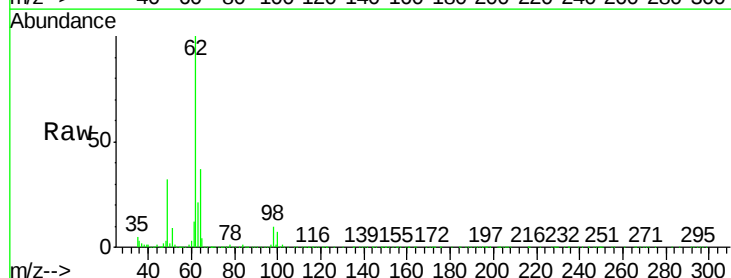
Acq: 21 Jun 2018 19:54

Tgt Ion: 62 Resp: 165277

Ion Ratio Lower Upper

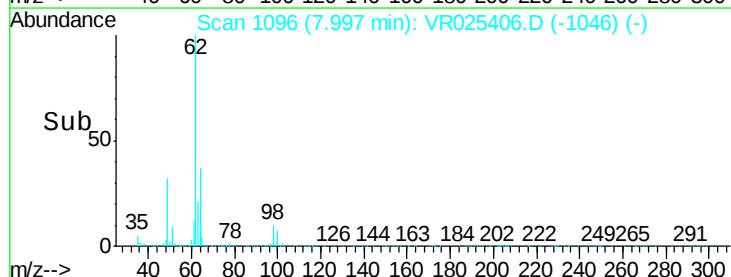
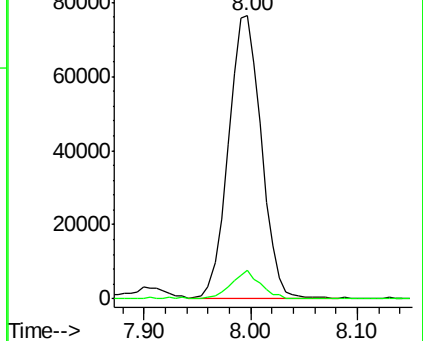
62 100

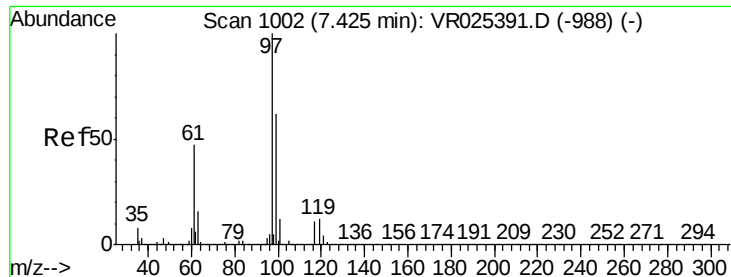
98 10.0 5.4 8.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

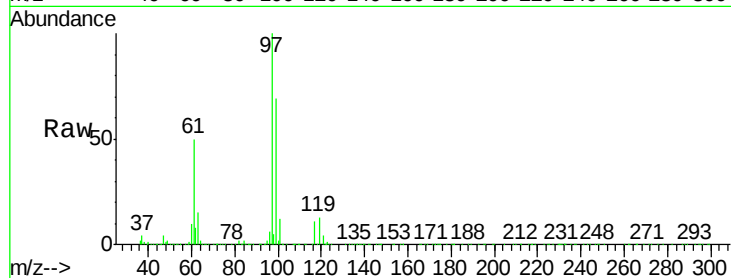




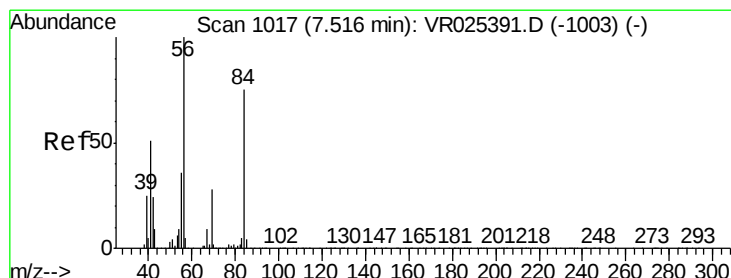
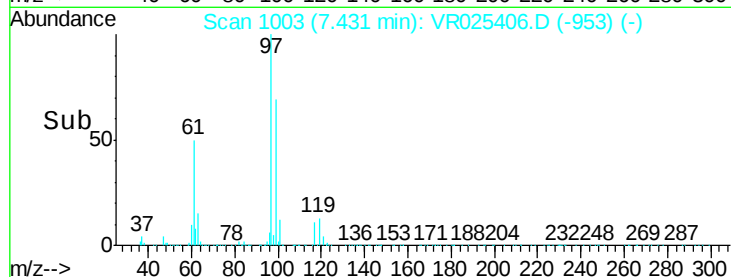
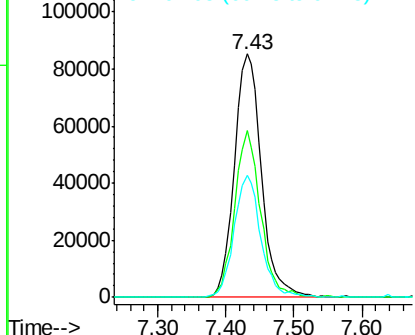
#29
 1,1,1-Trichloroethane
 Concen: 4.212 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.1	78.1
61	49.7	37.0	55.6

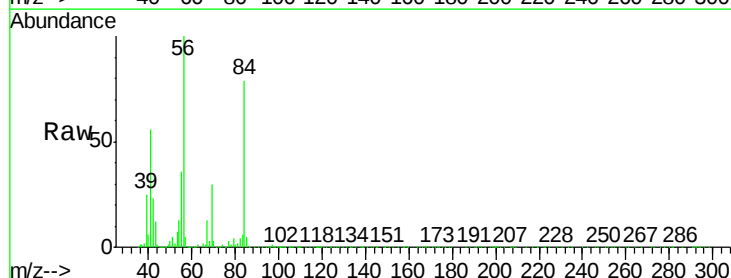


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

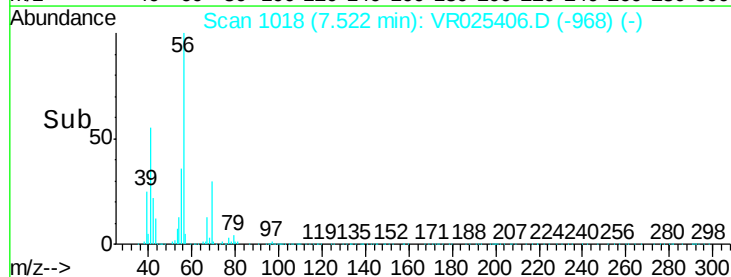
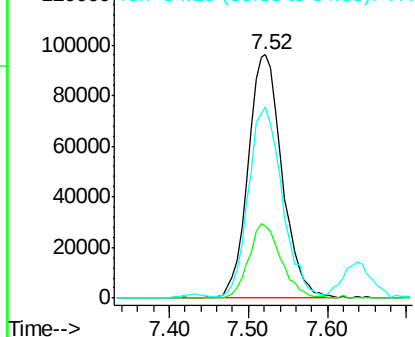


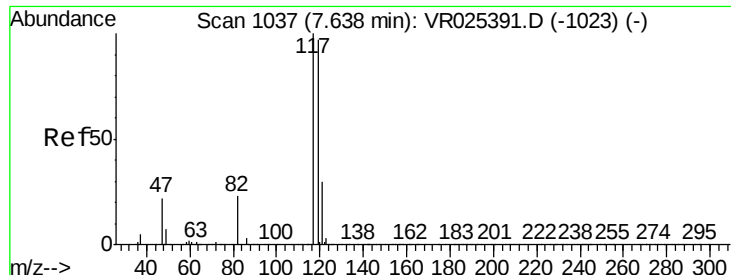
#30
 Cyclohexane
 Concen: 4.021 ug/L
 RT: 7.52 min Scan# 1018
 Delta R.T. 0.01 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	77.8	62.6	93.8



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

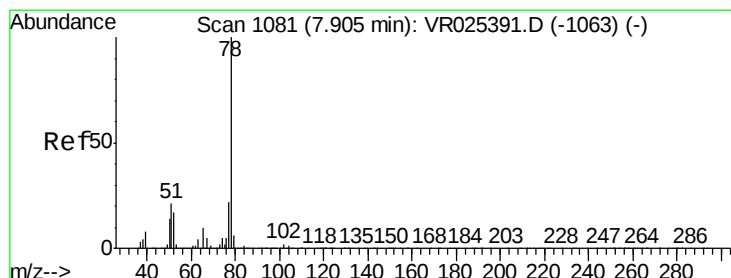
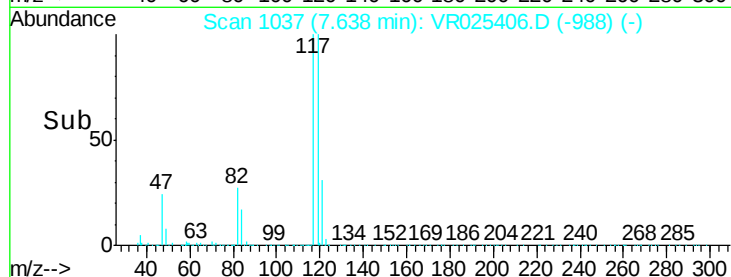
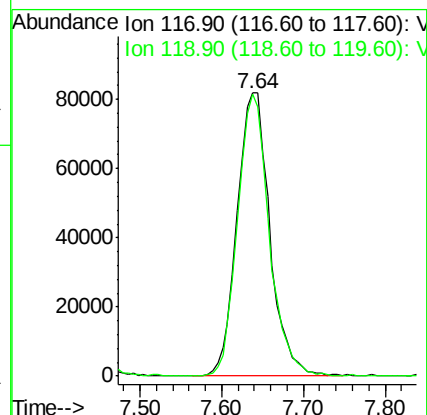
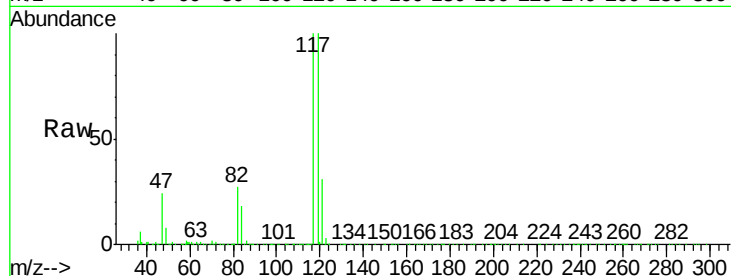




#31
Carbon tetrachloride
Concen: 4.616 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

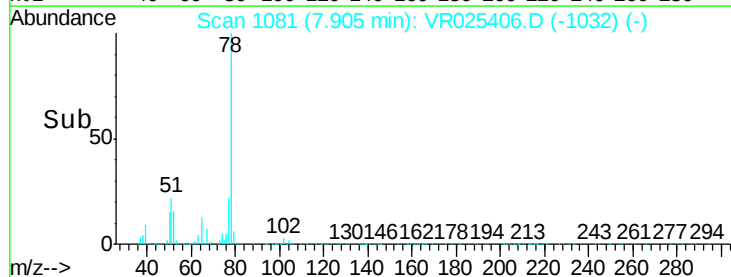
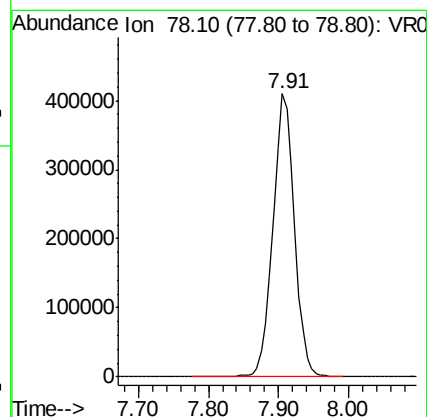
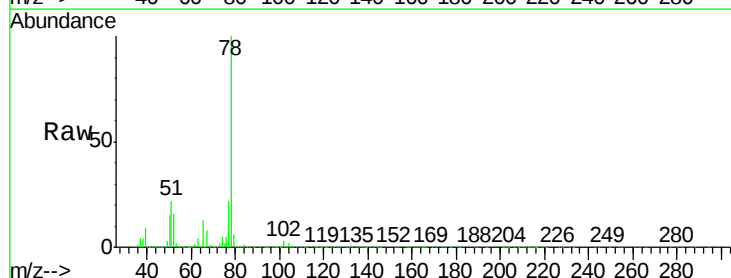
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

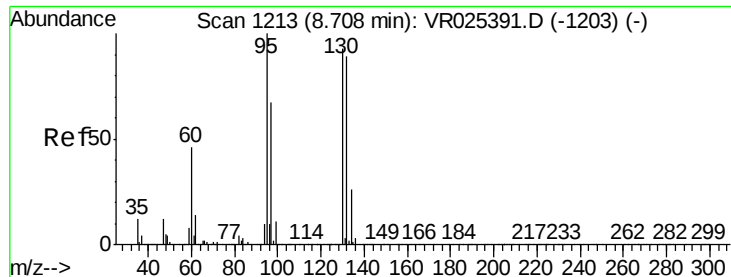
Tgt Ion:117 Resp: 226252
Ion Ratio Lower Upper
117 100
119 96.2 75.5 113.3



#33
Benzene
Concen: 4.775 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion: 78 Resp: 881343





#34

Trichloroethene

Concen: 4.556 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion: 95 Resp: 203429

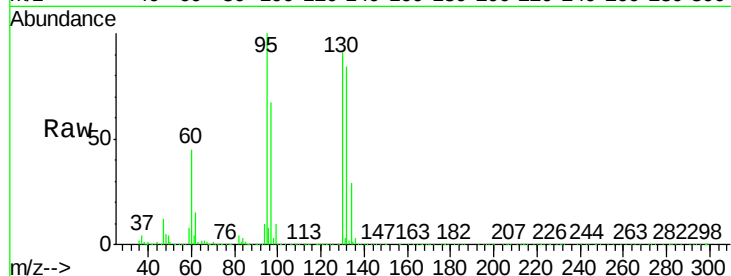
Ion Ratio Lower Upper

95 100

97 67.0 45.6 84.6

132 83.9 60.9 113.1

130 90.8 62.0 115.2

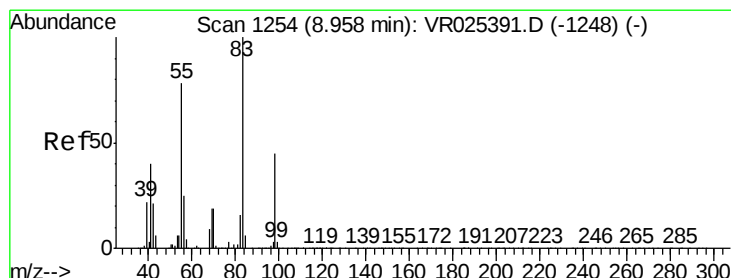
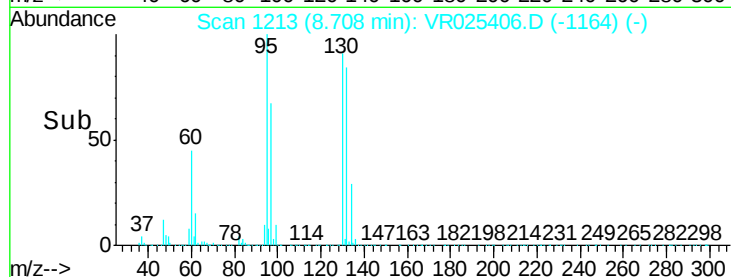
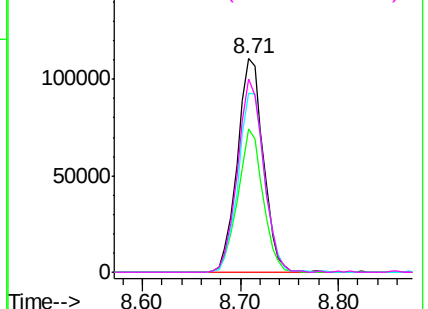


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.397 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

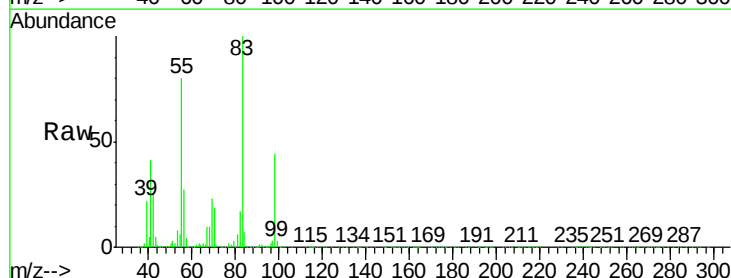
Tgt Ion: 83 Resp: 309789

Ion Ratio Lower Upper

83 100

55 81.6 66.1 99.1

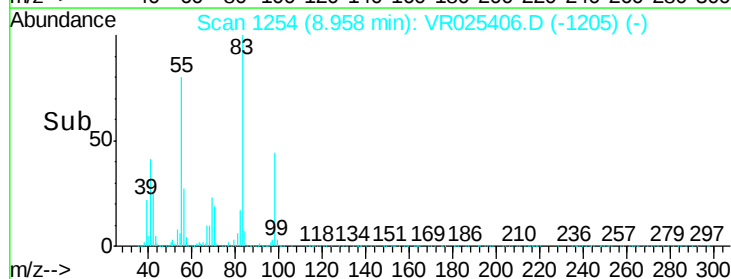
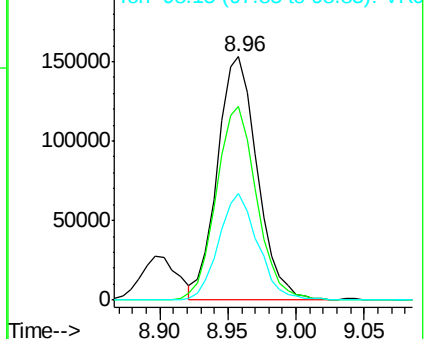
98 43.0 36.2 54.4

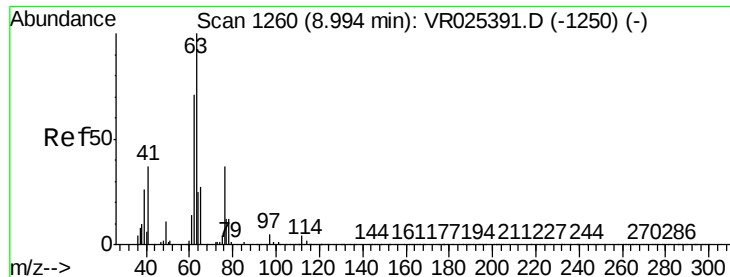


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 5.293 ug/L

RT: 8.99 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

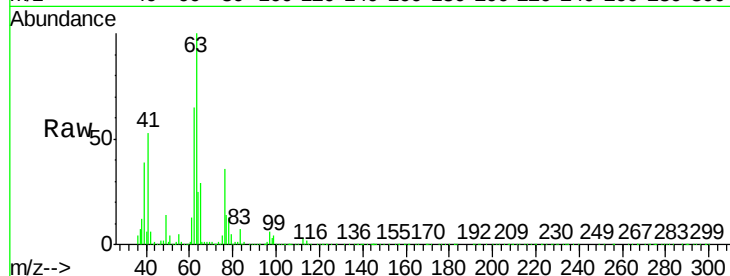
VSTD00594

Tgt Ion: 63 Resp: 217159

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

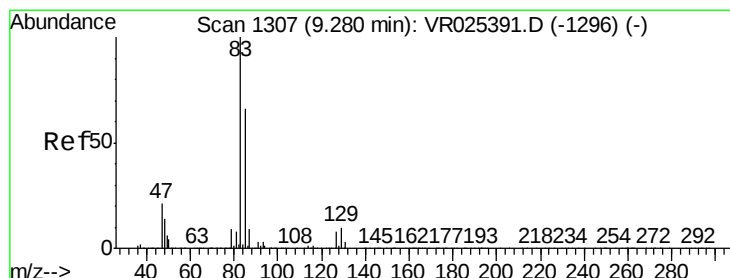
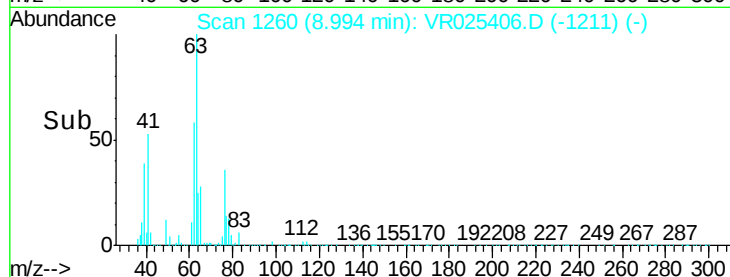
8.99

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 5.076 ug/L

RT: 9.28 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

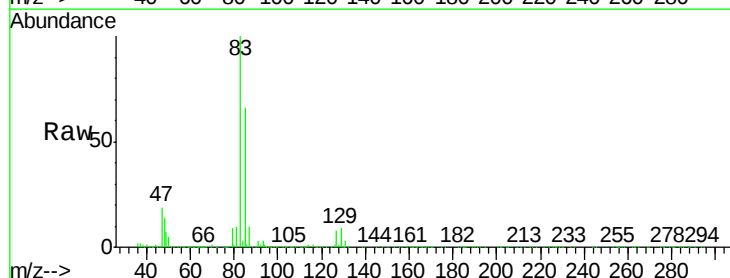
Tgt Ion: 83 Resp: 201946

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

127 8.5 5.7 8.5



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V

9.28

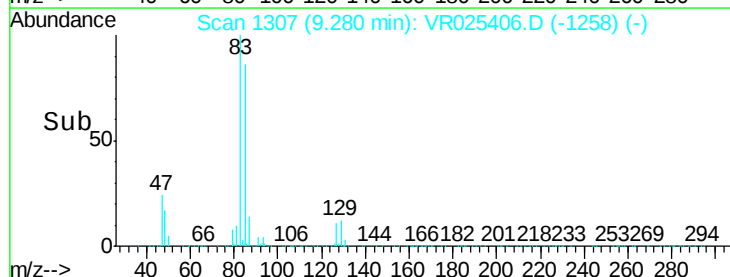
150000

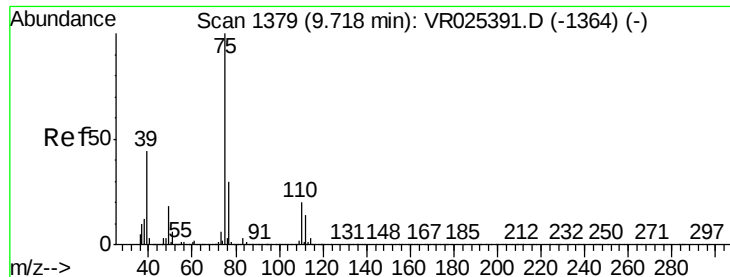
100000

50000

0

Time-->

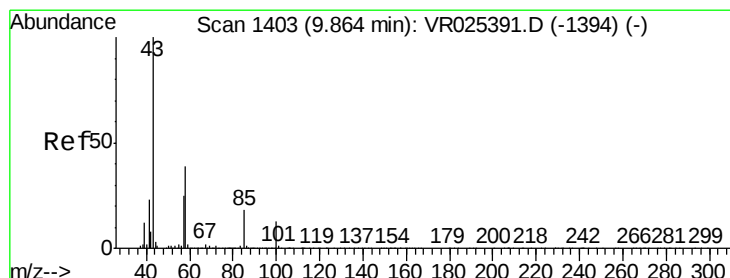
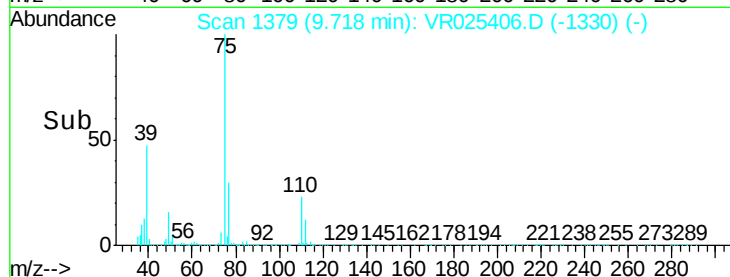
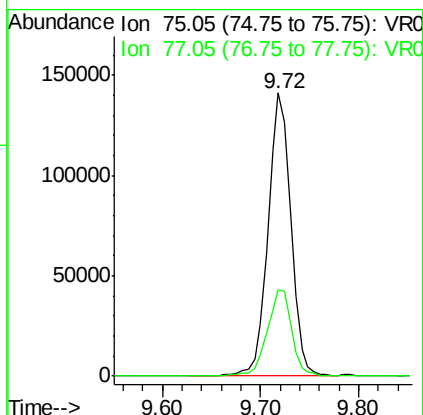
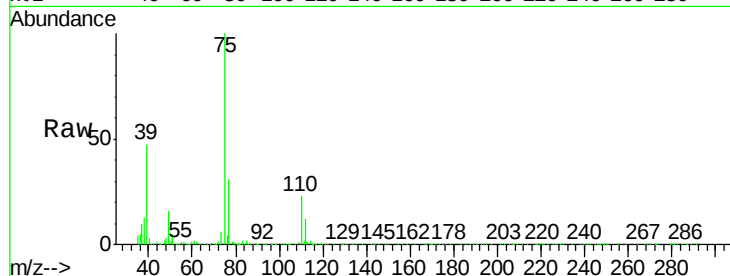




#39
 cis-1,3-Dichloropropene
 Concen: 4.744 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

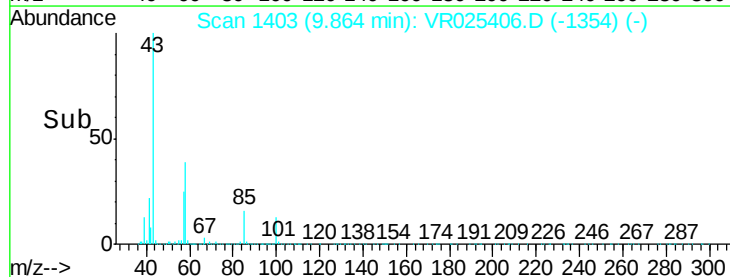
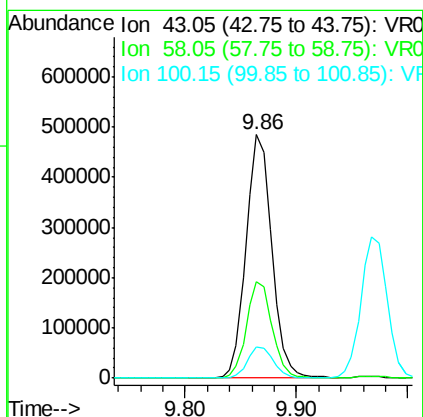
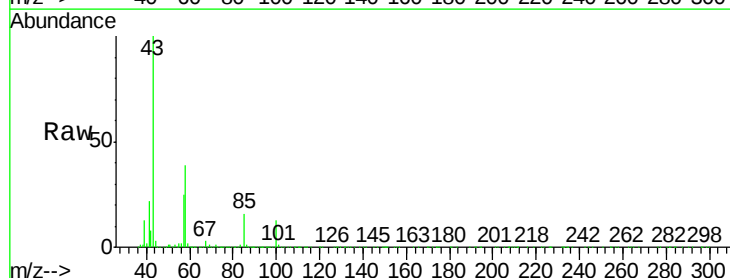
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

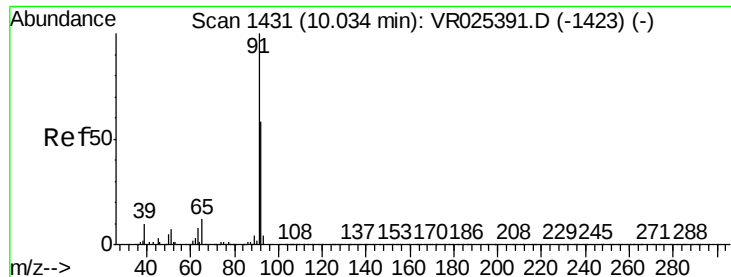
Tgt Ion: 75 Resp: 229201
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 58.880 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion: 43 Resp: 781693
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.3 45.5
 100 13.1 10.3 15.5





#42

Toluene

Concen: 4.602 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

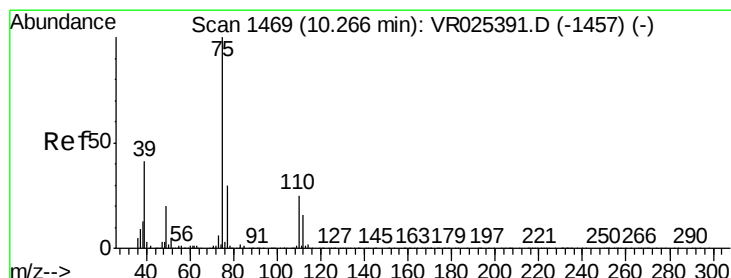
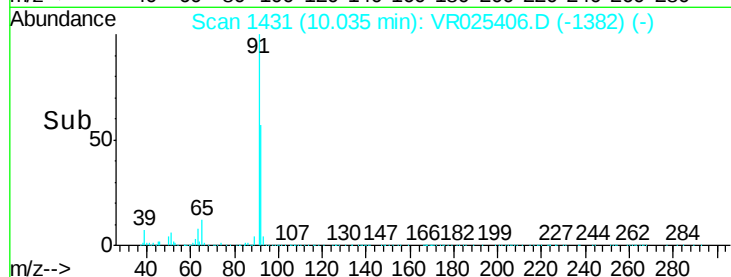
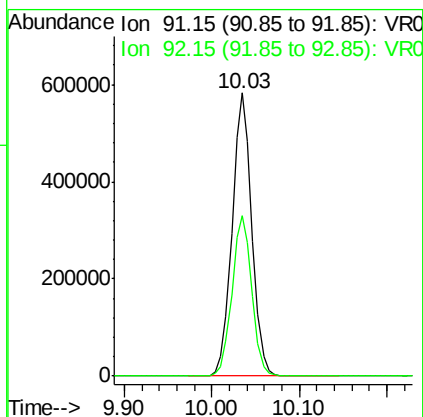
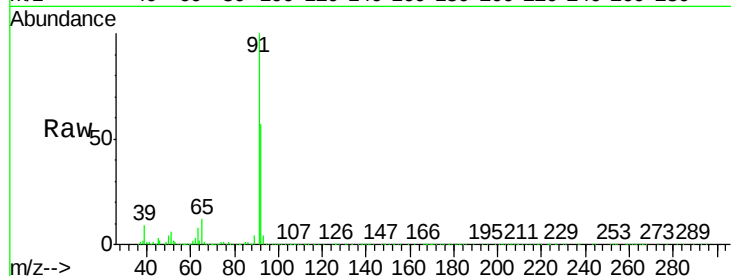
VSTD00594

Tgt Ion: 91 Resp: 910023

Ion Ratio Lower Upper

91 100

92 56.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.757 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025406.D

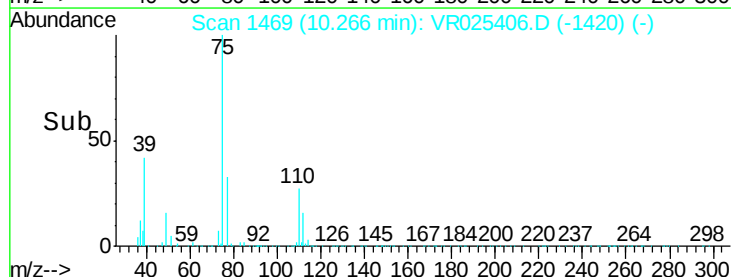
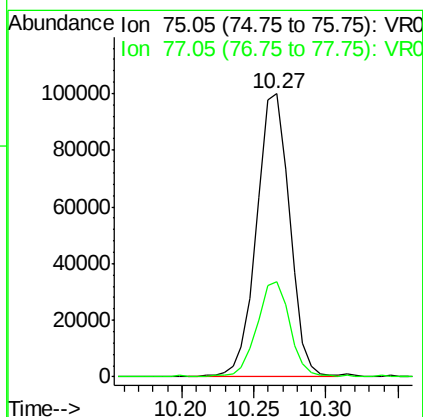
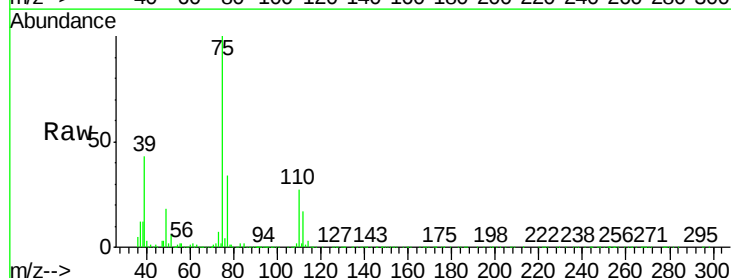
Acq: 21 Jun 2018 19:54

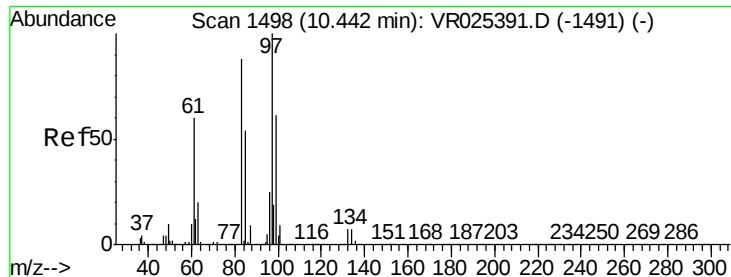
Tgt Ion: 75 Resp: 158092

Ion Ratio Lower Upper

75 100

77 33.5 20.6 38.4





#45

1,1,2-Trichloroethane

Concen: 5.400 ug/L

RT: 10.44 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion: 97 Resp: 102838

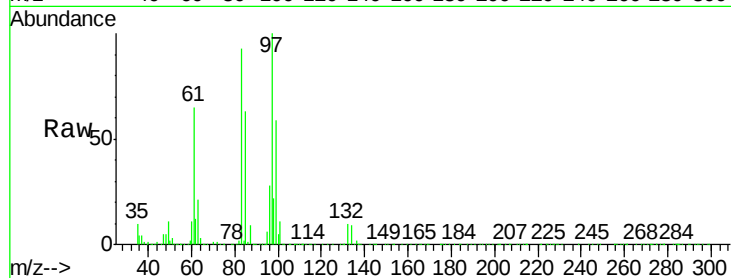
Ion Ratio Lower Upper

97 100

99 59.1 41.9 77.9

83 93.3 64.5 119.9

85 63.2 38.6 71.8

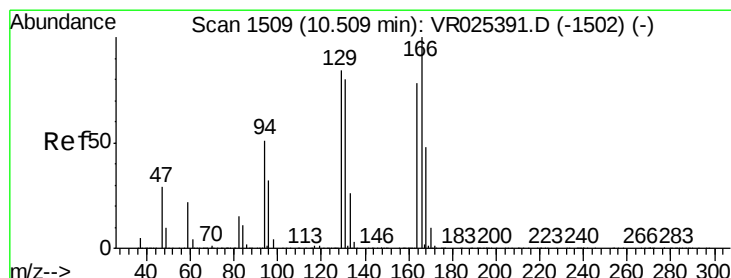
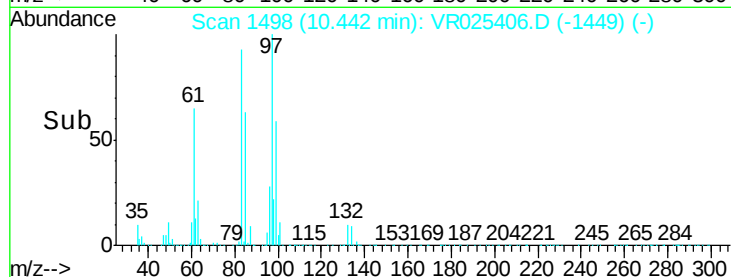
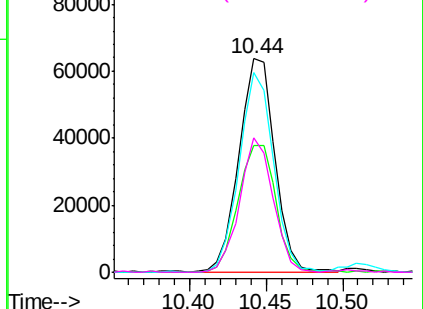


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.513 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Tgt Ion: 164 Resp: 134517

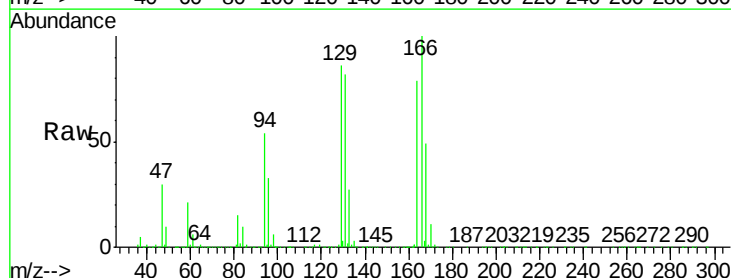
Ion Ratio Lower Upper

164 100

129 109.4 68.1 126.5

131 104.2 68.5 127.1

166 127.2 89.9 166.9

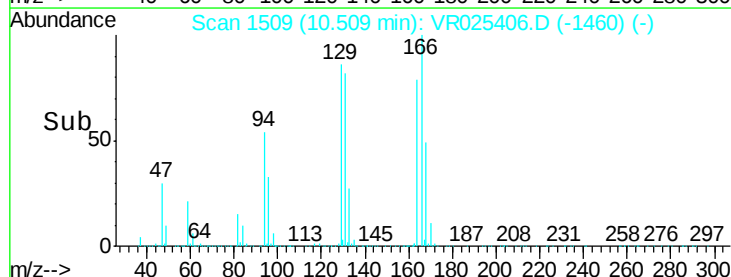
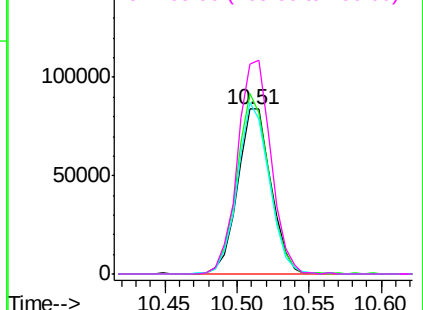


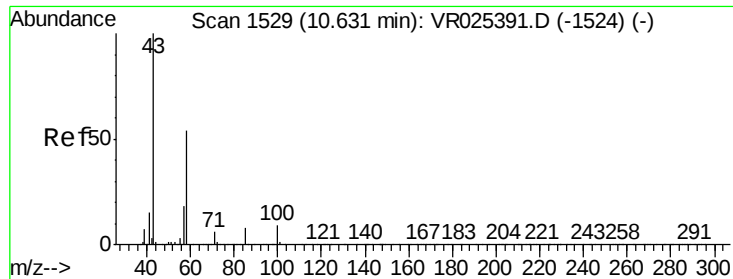
Abundance Ion 163.90 (163.60 to 164.60): V

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

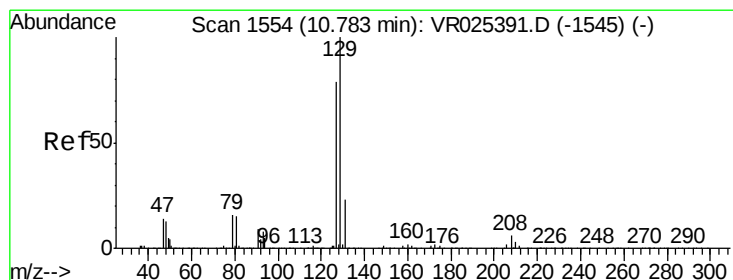
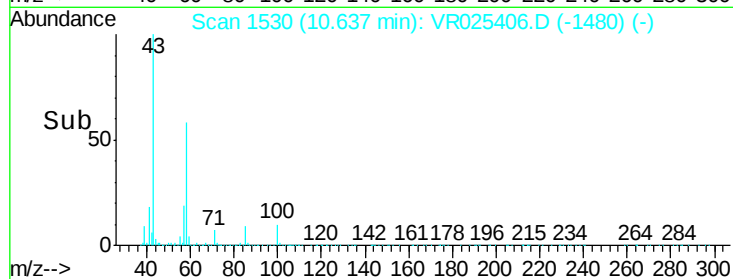
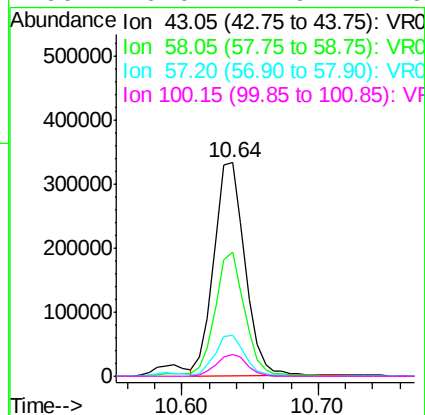
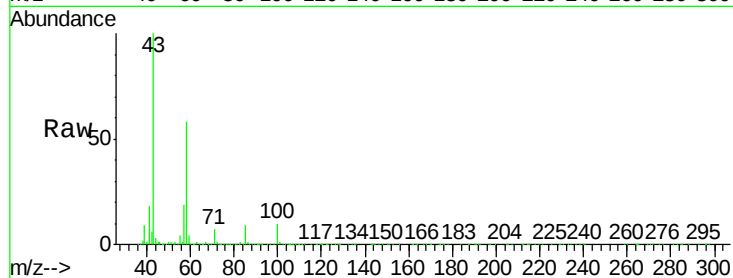




#48
2-Hexanone
Concen: 62.492 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.01 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

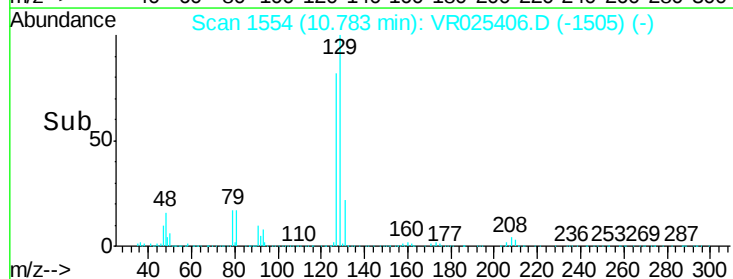
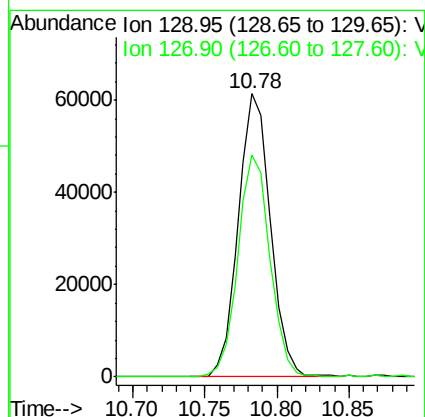
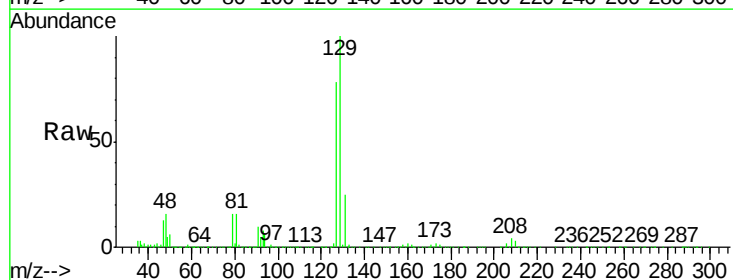
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

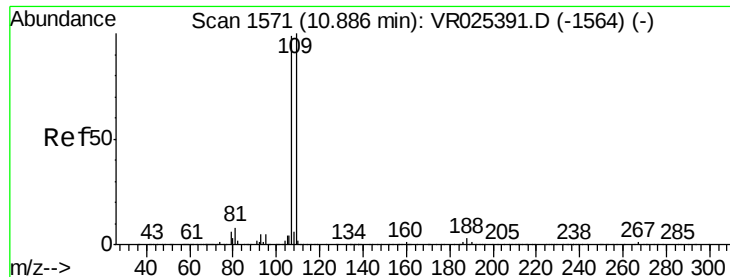
Tgt Ion:	43	Resp:	528867
Ion	Ratio	Lower	Upper
43	100		
58	56.9	43.1	64.7
57	18.6	15.3	22.9
100	10.0	7.9	11.9



#49
Dibromochloromethane
Concen: 5.172 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion:	129	Resp:	94834
Ion	Ratio	Lower	Upper
129	100		
127	78.3	55.9	103.7

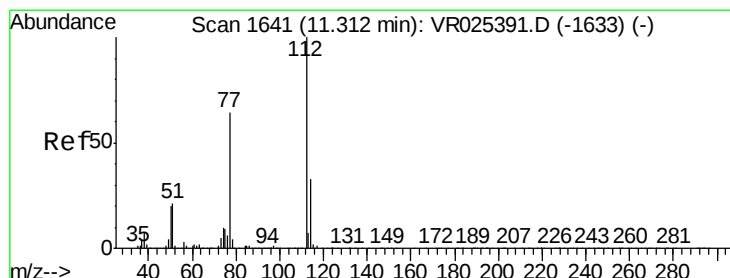
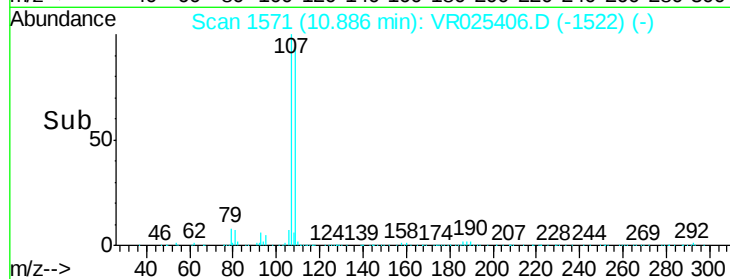
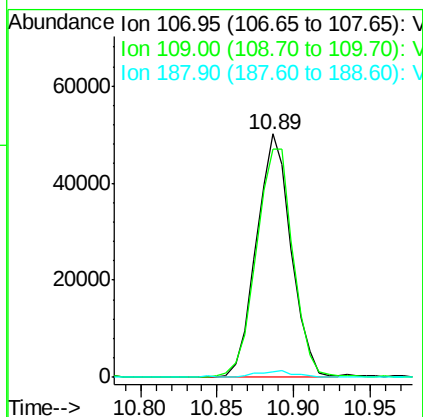
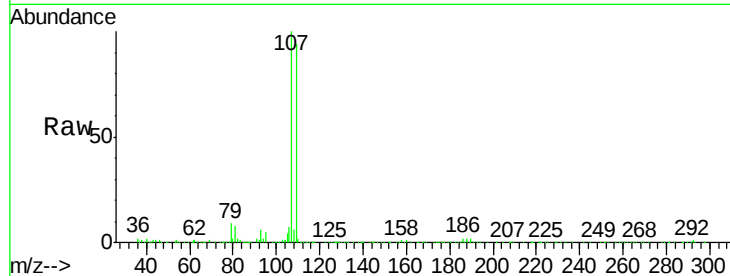




#50
1,2-Dibromoethane
Concen: 5.188 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

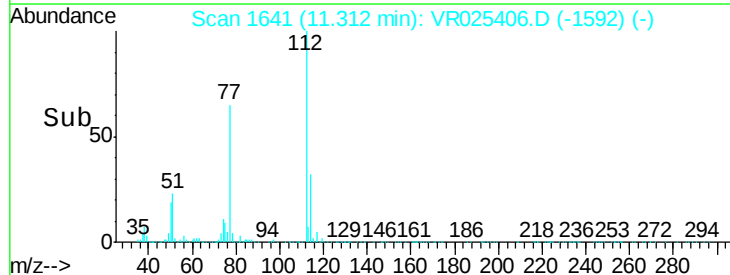
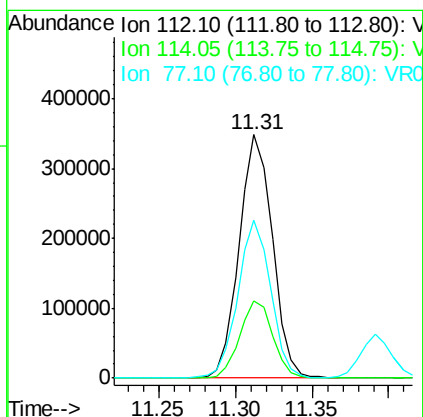
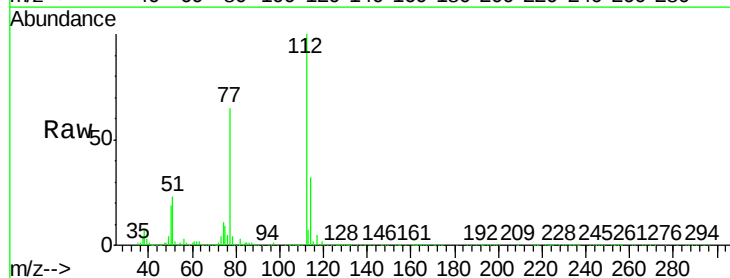
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

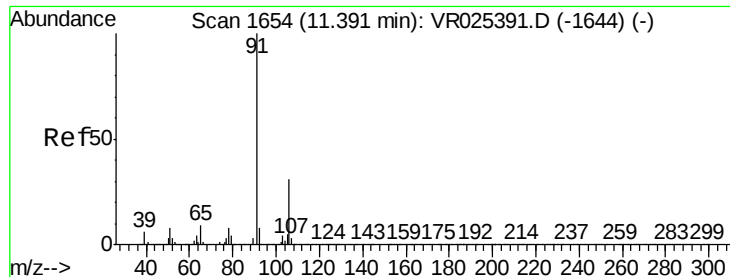
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.6	63.1	117.3
188	2.5	1.8	2.8



#51
Chlorobenzene
Concen: 4.965 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	21.6	40.0
77	64.8	51.9	77.9





#52

Ethylbenzene

Concen: 5.150 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

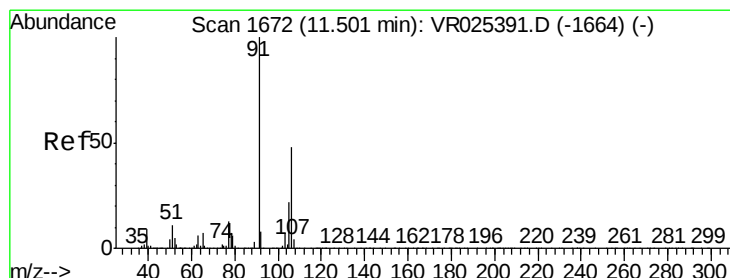
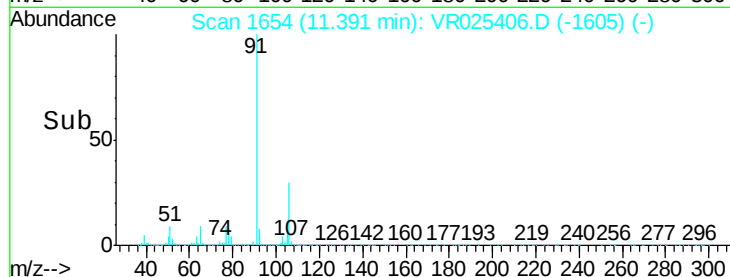
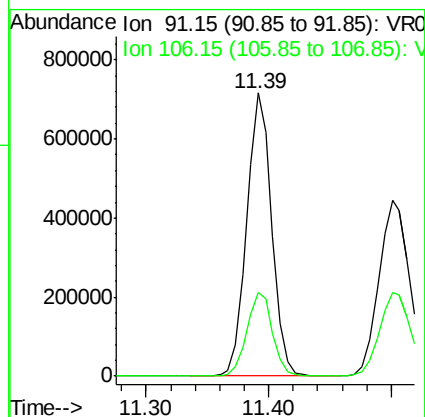
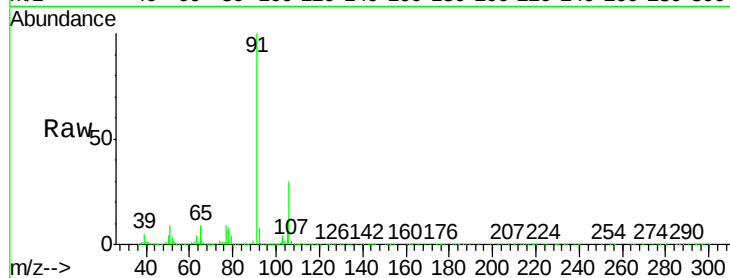
VSTD00594

Tgt Ion: 91 Resp: 1010384

Ion Ratio Lower Upper

91 100

106 29.6 22.5 41.7



#53

m,p-Xylene

Concen: 4.887 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VR025406.D

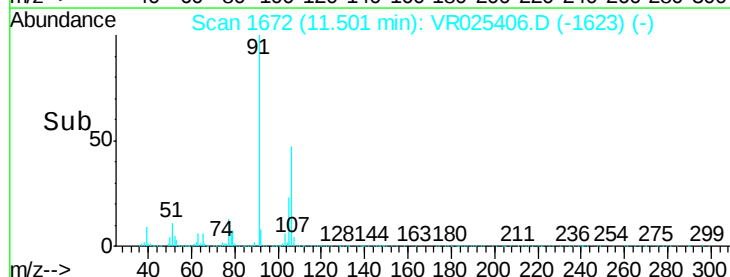
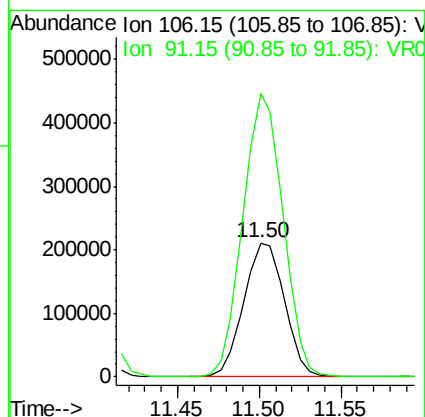
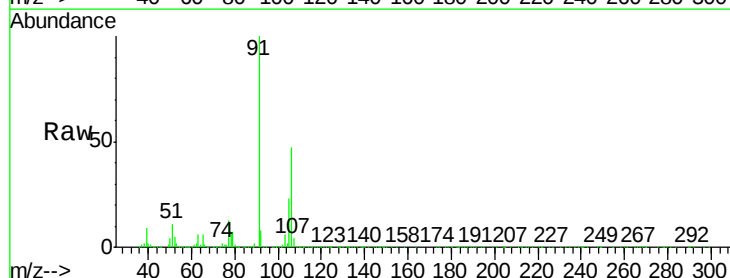
Acq: 21 Jun 2018 19:54

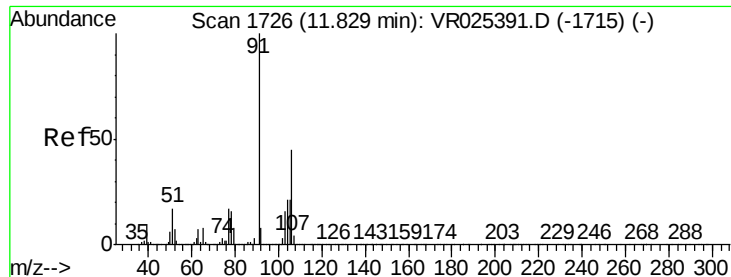
Tgt Ion: 106 Resp: 366096

Ion Ratio Lower Upper

106 100

91 211.2 152.6 283.4

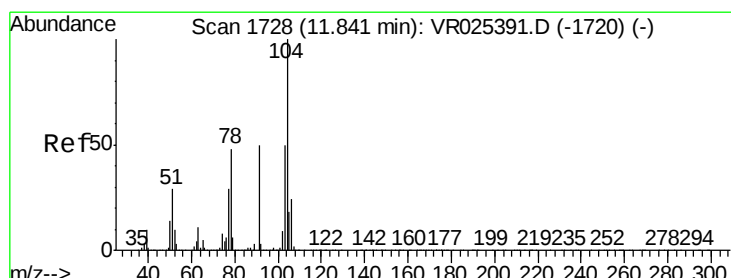
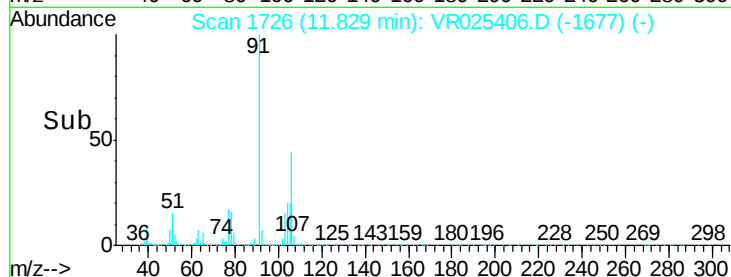
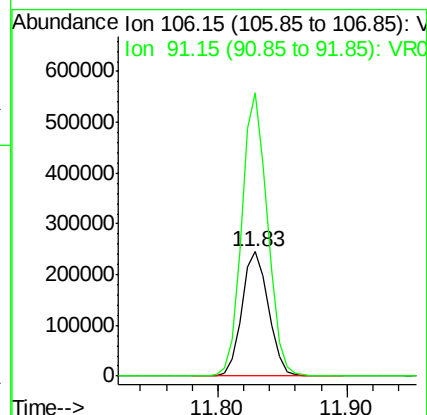
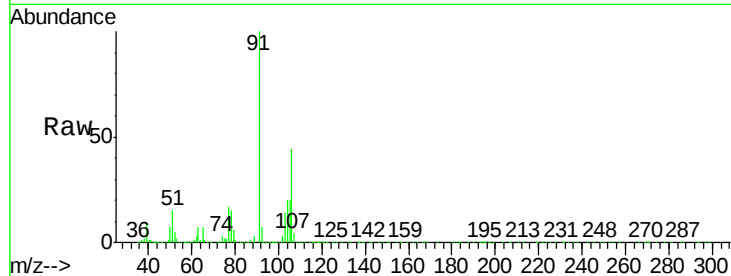




#54
o-Xylene
Concen: 5.239 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

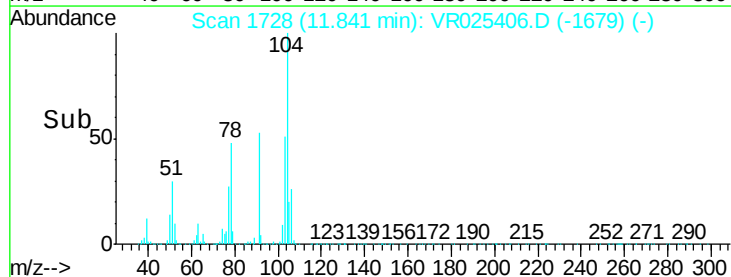
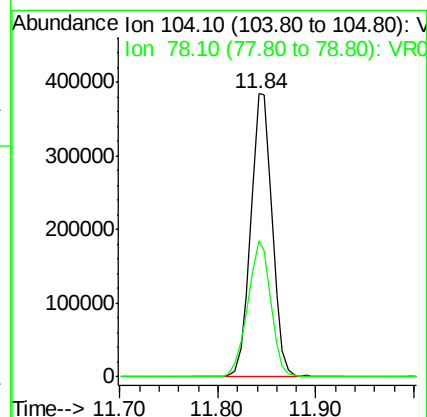
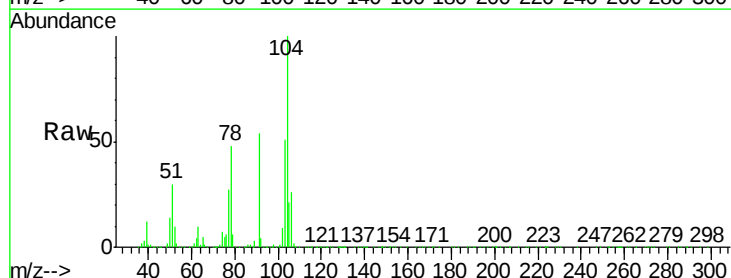
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

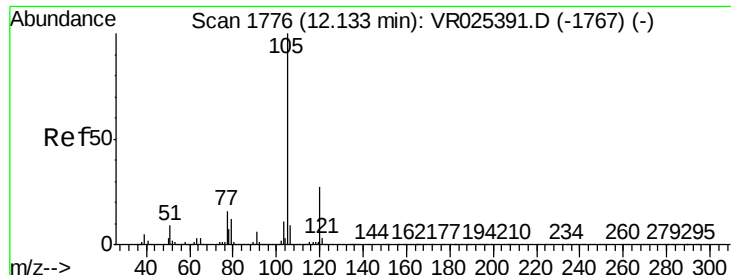
Tgt Ion:106 Resp: 350682
Ion Ratio Lower Upper
106 100
91 227.9 153.7 285.5



#55
Styrene
Concen: 5.676 ug/L
RT: 11.84 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VR025406.D
Acq: 21 Jun 2018 19:54

Tgt Ion:104 Resp: 583947
Ion Ratio Lower Upper
104 100
78 48.1 35.4 65.7





#56

Isopropylbenzene

Concen: 5.168 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

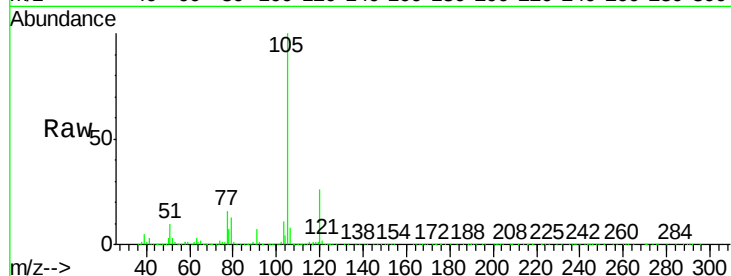
Tgt Ion: 105 Resp: 930146

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

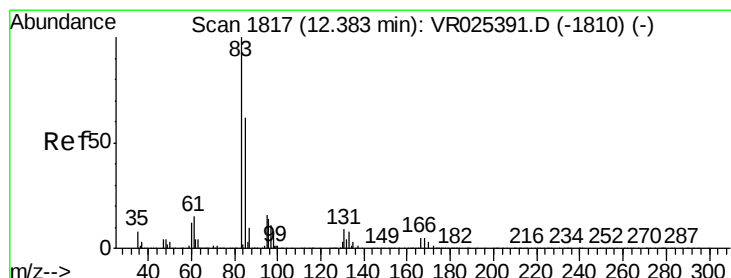
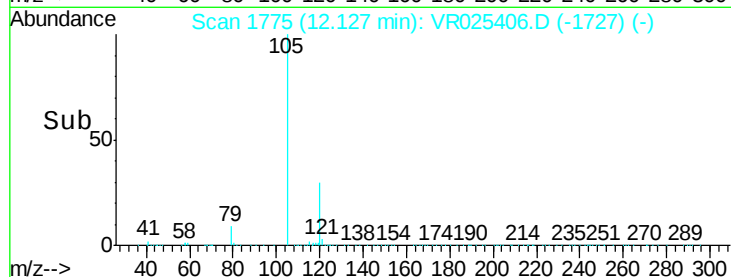
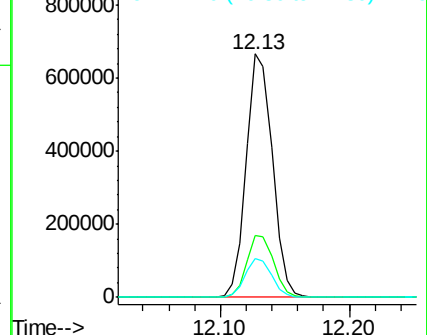
77 16.0 13.0 19.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.311 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

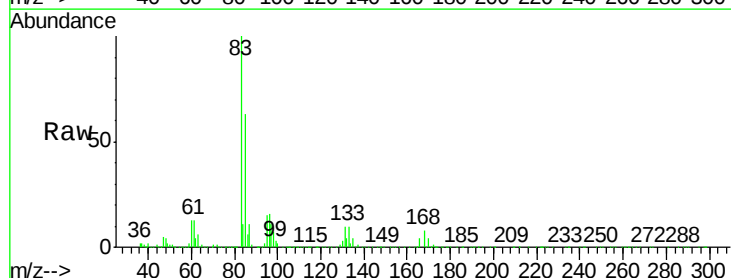
Tgt Ion: 83 Resp: 111313

Ion Ratio Lower Upper

83 100

85 63.3 41.8 77.6

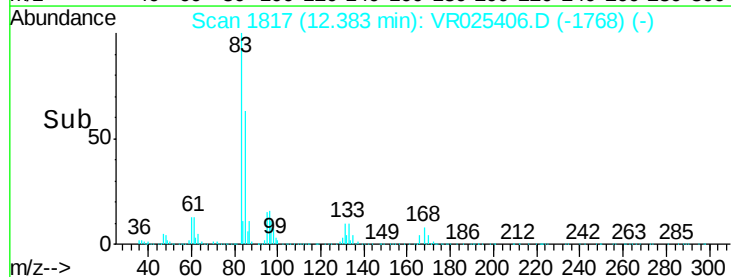
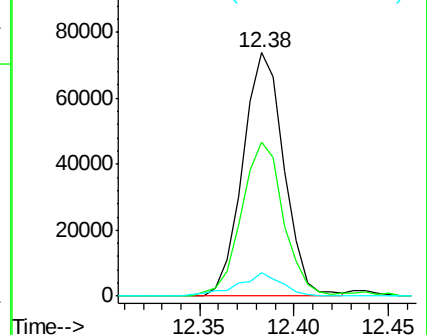
131 9.8 6.1 9.1#

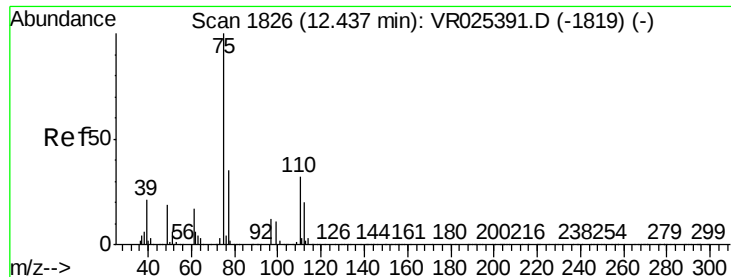


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

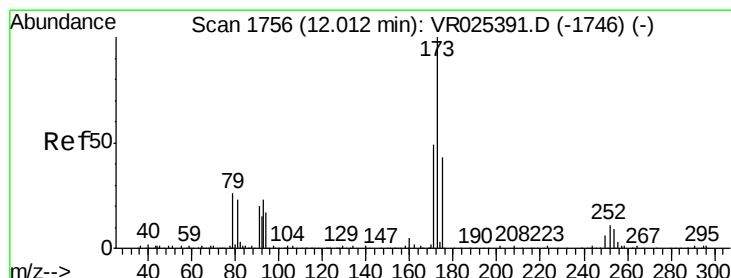
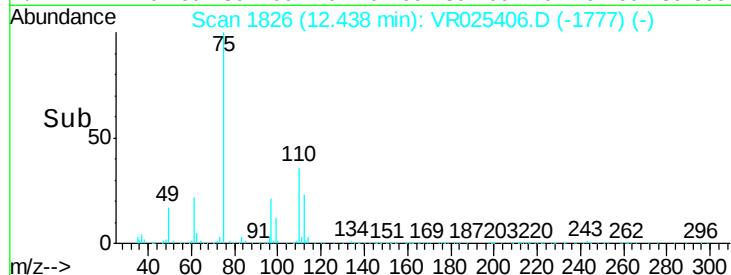
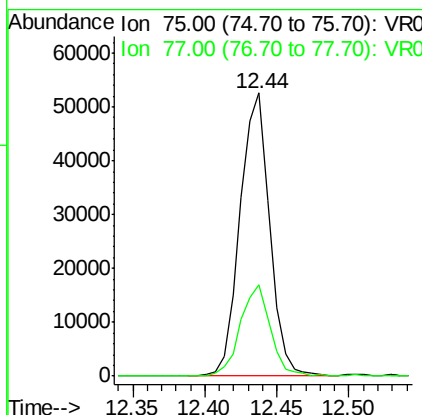
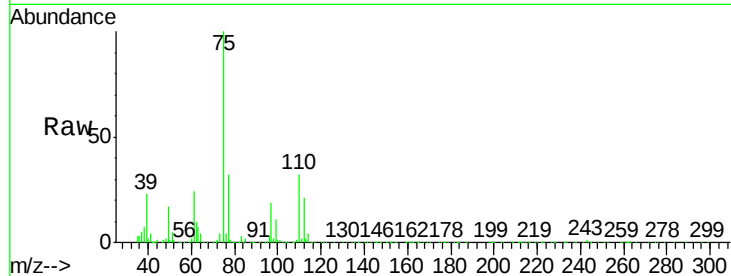




#59
 1,2,3-Trichloropropane
 Concen: 5.908 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

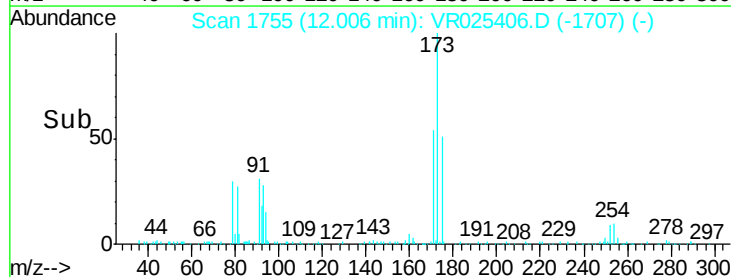
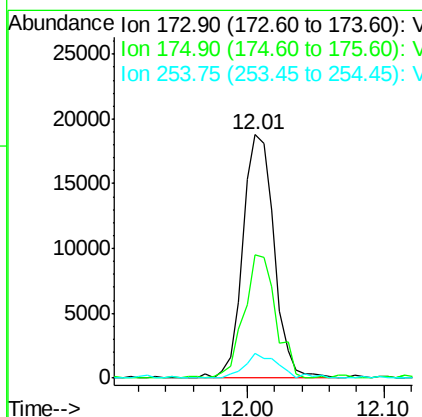
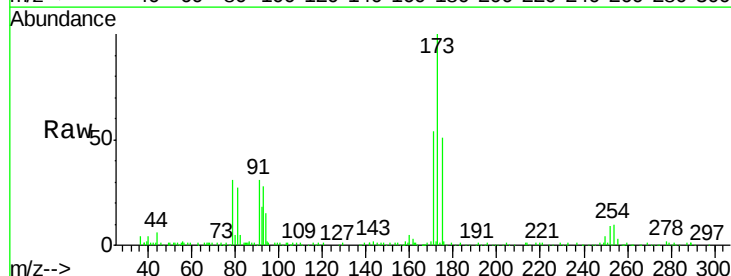
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

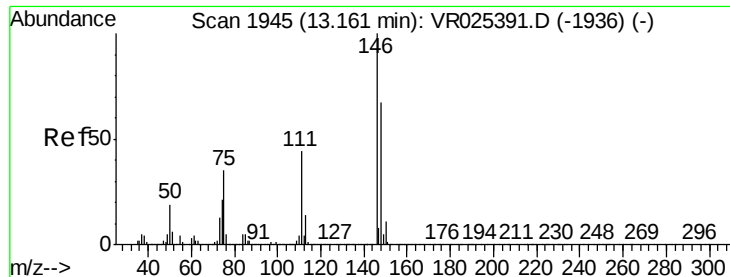
Tgt Ion: 75 Resp: 75207
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.0 40.4



#61
 Bromoform
 Concen: 4.261 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion: 173 Resp: 30124
 Ion Ratio Lower Upper
 173 100
 175 51.8 37.5 56.3
 254 11.1 8.7 13.1

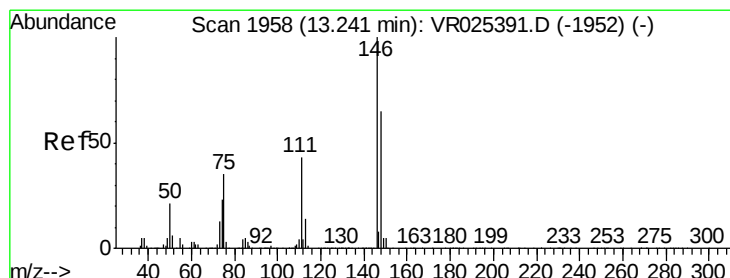
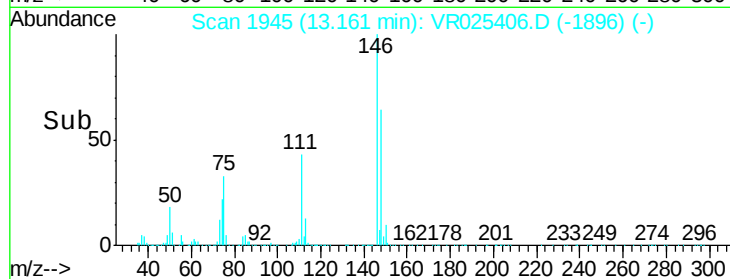
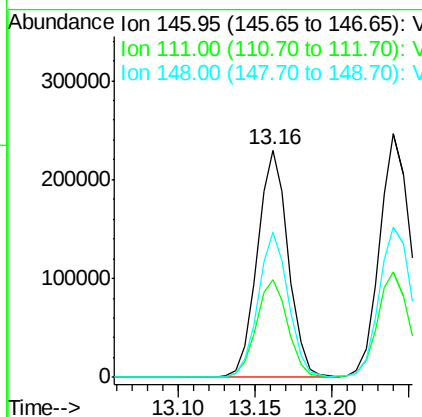
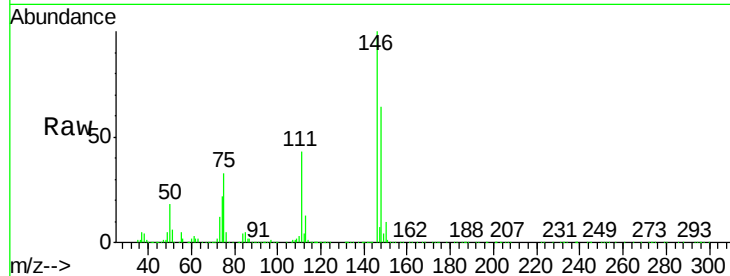




#62
 1,3-Dichlorobenzene
 Concen: 4.625 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

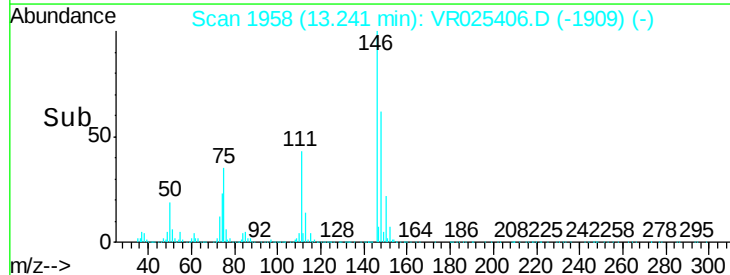
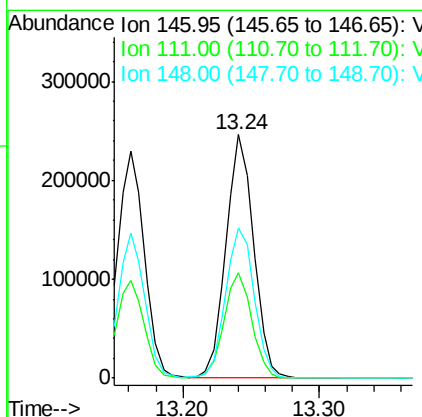
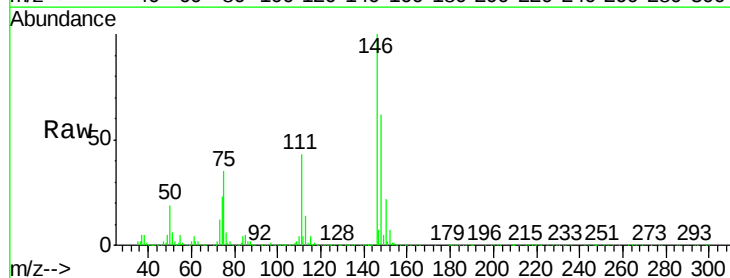
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

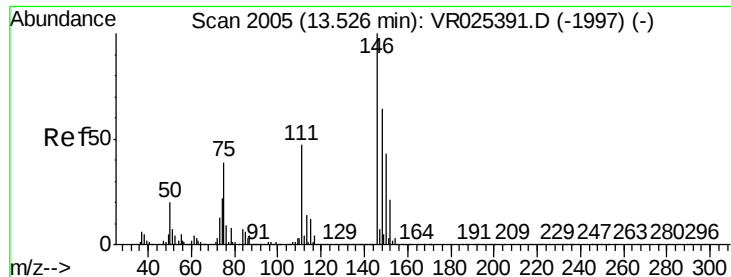
Tgt Ion:146 Resp: 321731
 Ion Ratio Lower Upper
 146 100
 111 43.0 31.0 57.6
 148 64.1 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 5.001 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion:146 Resp: 347781
 Ion Ratio Lower Upper
 146 100
 111 43.2 30.5 56.7
 148 61.6 42.8 79.4

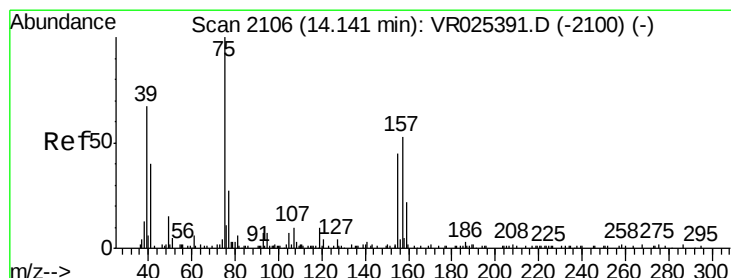
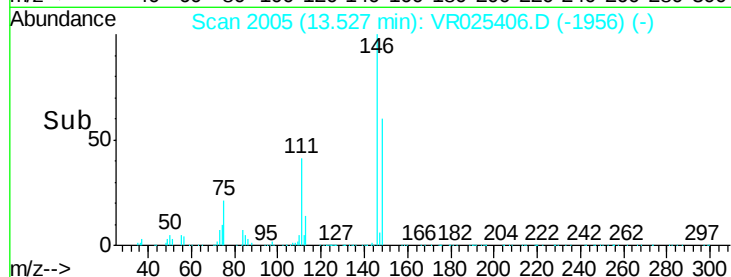
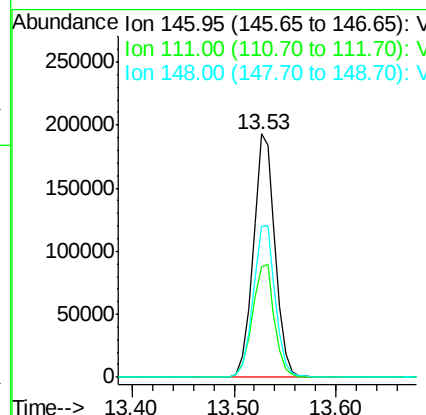
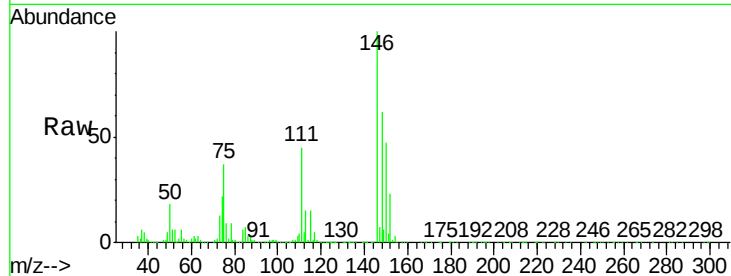




#65
 1,2-Dichlorobenzene
 Concen: 5.121 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

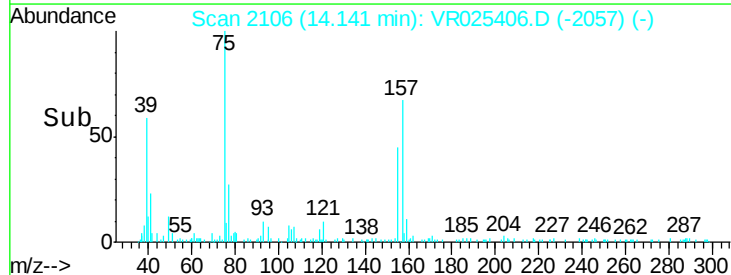
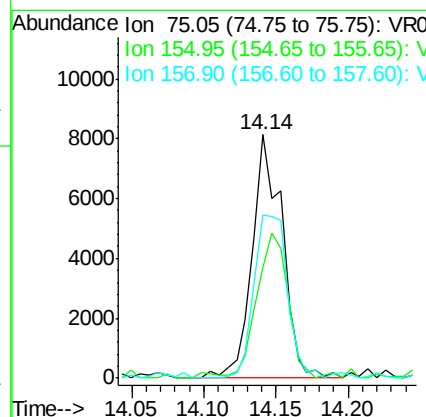
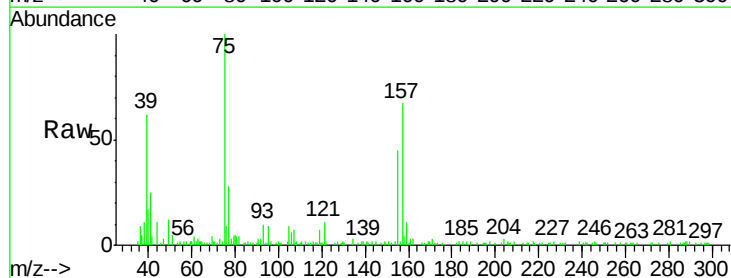
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

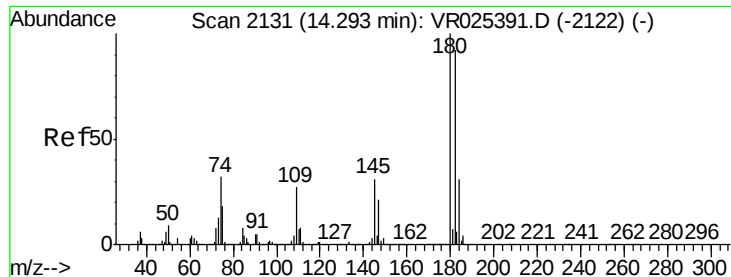
Tgt Ion: 146 Resp: 285446
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.8 53.8
 148 62.2 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.308 ug/L
 RT: 14.14 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion: 75 Resp: 11692
 Ion Ratio Lower Upper
 75 100
 155 45.1 74.1 111.1#
 157 67.1 71.0 106.6#

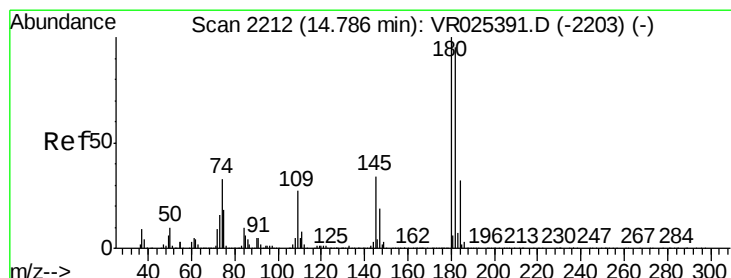
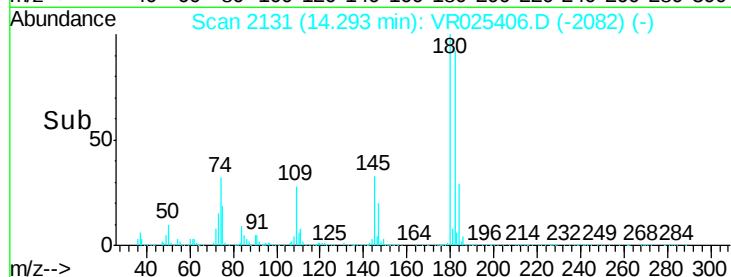
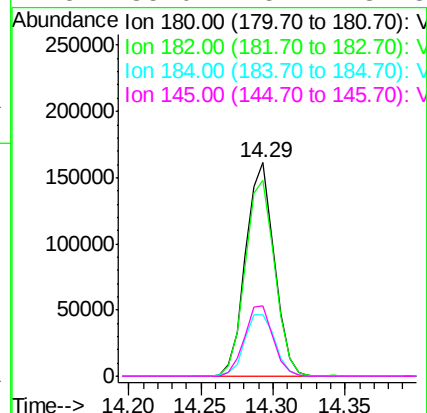
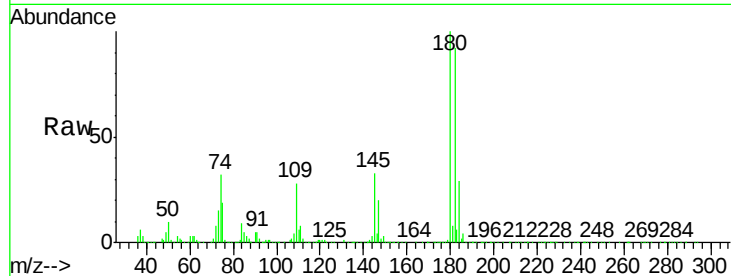




#67
 1,3,5-Trichlorobenzene
 Concen: 4.827 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

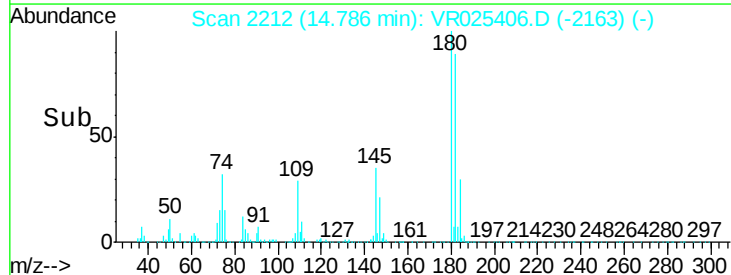
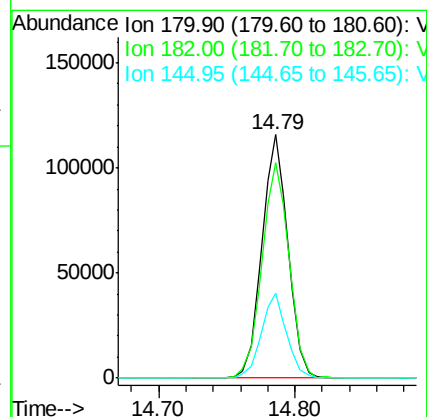
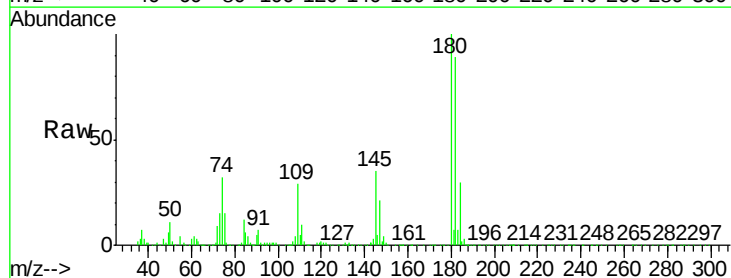
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00594

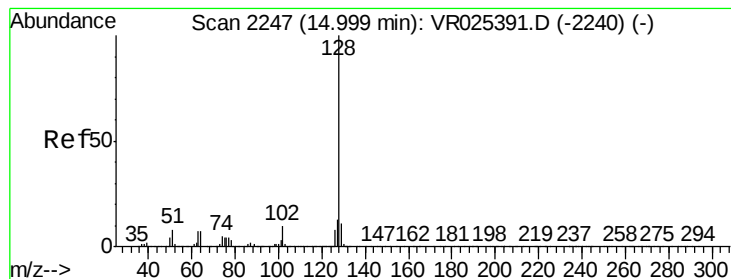
Tgt Ion:	180	Resp:	222371
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
184	30.6	24.5	36.7
145	33.0	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.840 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025406.D
 Acq: 21 Jun 2018 19:54

Tgt Ion:	180	Resp:	155219
Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.0	112.4
145	33.8	27.3	40.9





#69

Naphthalene

Concen: 5.048 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.01 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

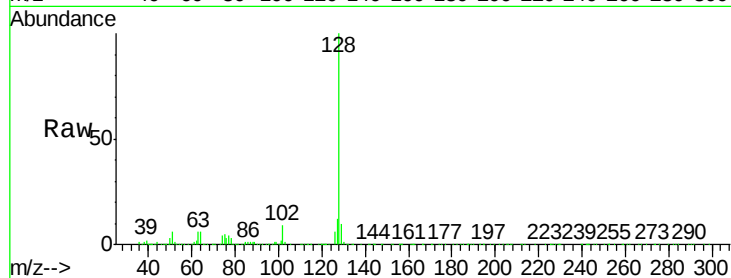
Tgt Ion:128 Resp: 210713

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

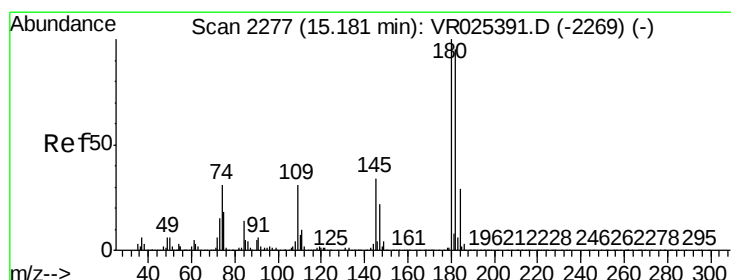
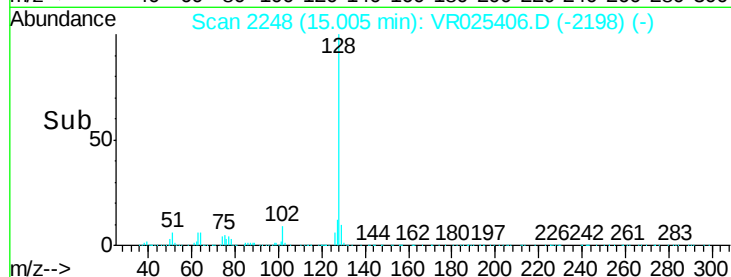
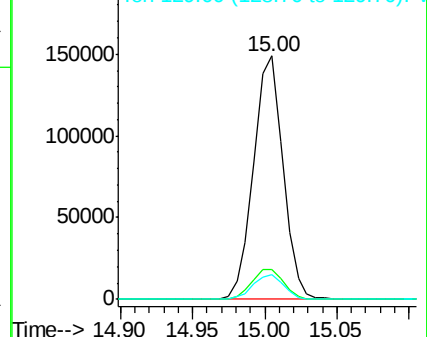
129 10.7 8.6 13.0



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: 5.380 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025406.D

Acq: 21 Jun 2018 19:54

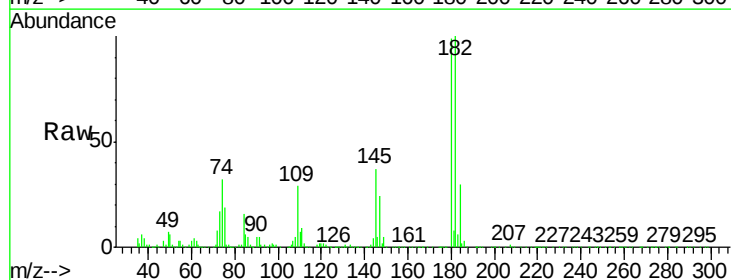
Tgt Ion:180 Resp: 133537

Ion Ratio Lower Upper

180 100

182 96.8 75.2 112.8

145 37.1 28.2 42.2



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

