

Data File : VR026207.D
Acq On : 7 Nov 2018 17:42
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

Quant Time: Nov 08 09:53:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 07 12:50:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	617629	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	526322	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	203931	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	281043	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	2.62	69	241860	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	3.61	63	660687	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	6.59	46	247140	55.69	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.38%
24) Chloroform-d	7.20	84	437054	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	7.89	65	178977	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	7.85	84	867103	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	8.90	67	224255	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	9.97	98	841620	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	10.23	79	59610	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	10.59	63	192105	58.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.18%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	87345	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	169198	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	195333	4.708 ug/L	95
3) Chloromethane	2.02	50	300699	4.564 ug/L	100
5) Vinyl chloride	2.17	62	300815	4.583 ug/L	98
6) Bromomethane	2.52	94	202844	4.680 ug/L	93
8) Chloroethane	2.66	64	200326	4.926 ug/L	89
9) Trichlorofluoromethane	2.94	101	207196	2.187 ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	272835	4.830 ug/L	100
12) 1,1-Dichloroethene	3.63	96	287810	4.792 ug/L	90
13) Acetone	3.70	43	222922	48.593 ug/L	97
14) Carbon disulfide	3.94	76	733507	4.671 ug/L	97
15) Methyl Acetate	4.19	43	58733	4.901 ug/L	97
16) Methylene chloride	4.41	84	239600	4.399 ug/L	100
17) Methyl tert-butyl Ether	4.90	73	280148	5.138 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	221059	4.867 ug/L	99
19) 1,1-Dichloroethane	5.69	63	420831	4.935 ug/L	97
21) 2-Butanone	6.69	43	278342	52.593 ug/L	96
22) cis-1,2-Dichloroethene	6.67	96	214063	4.982 ug/L #	99

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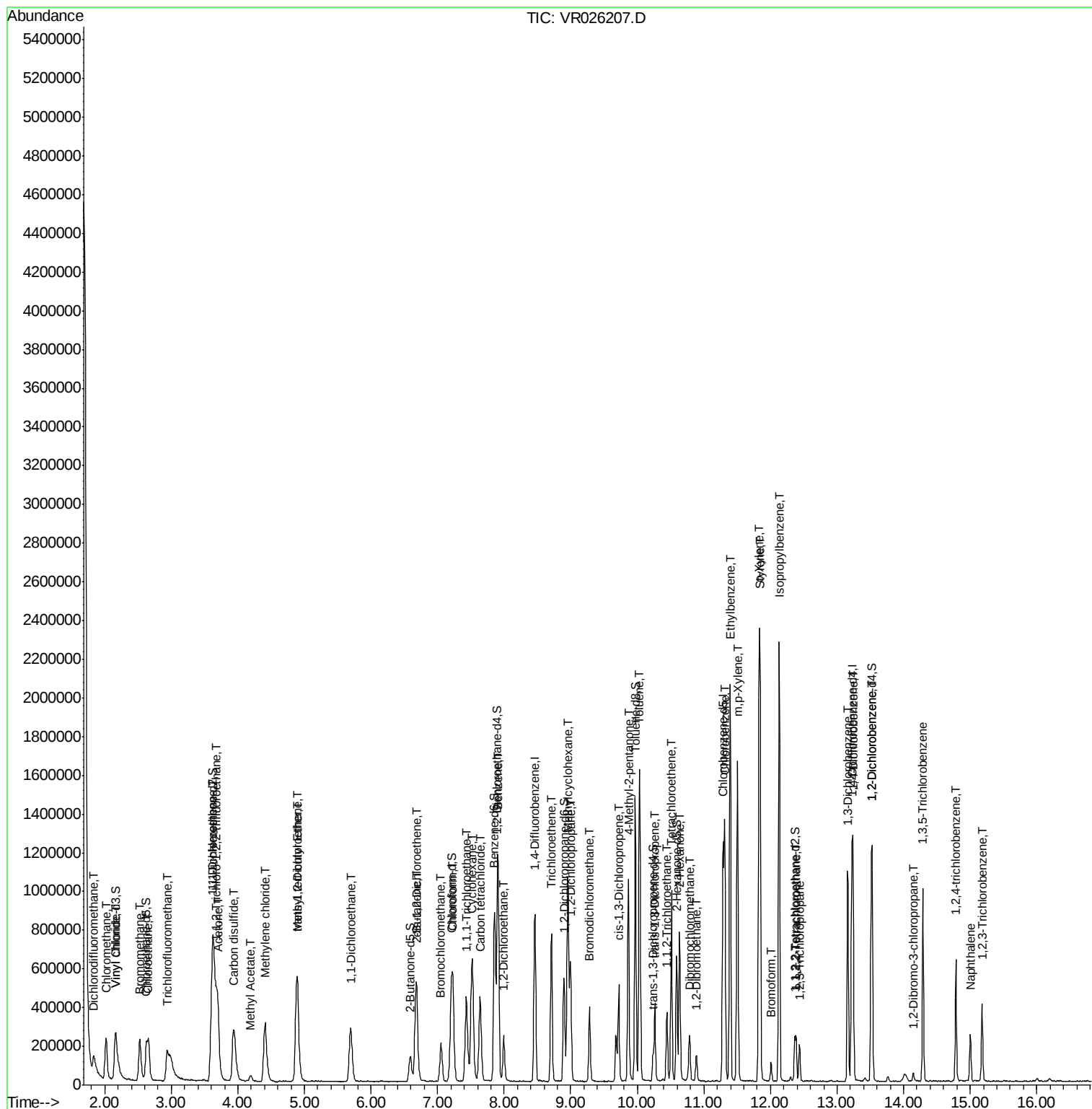
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	60182	4.993	ug/L	85
25) Chloroform	7.23	83	415320	4.990	ug/L	97
27) 1,2-Dichloroethane	7.99	62	200375	4.919	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	367983	5.117	ug/L	100
30) Cyclohexane	7.52	56	376376	5.214	ug/L	99
31) Carbon tetrachloride	7.63	117	323101	4.941	ug/L	95
33) Benzene	7.91	78	959272	4.857	ug/L	100
34) Trichloroethene	8.71	95	250338	4.953	ug/L	95
35) Methylcyclohexane	8.95	83	384573	5.110	ug/L	100
37) 1,2-Dichloropropane	9.00	63	206319	4.952	ug/L	99
38) Bromodichloromethane	9.28	83	227012	5.066	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	247355	5.187	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	680115	53.449	ug/L	99
42) Toluene	10.03	91	1030482	4.944	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	177675	5.333	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	89678	5.103	ug/L	99
47) Tetrachloroethene	10.51	164	172239	4.772	ug/L	97
48) 2-Hexanone	10.63	43	448234	53.934	ug/L	100
49) Dibromochloromethane	10.79	129	101929	5.154	ug/L	96
50) 1,2-Dibromoethane	10.89	107	75966	5.003	ug/L	97
51) Chlorobenzene	11.32	112	558498	4.840	ug/L	99
52) Ethylbenzene	11.39	91	1222128	5.099	ug/L	99
53) m,p-Xylene	11.50	106	440605	5.045	ug/L	94
54) o-Xylene	11.83	106	409868	5.119	ug/L	97
55) Styrene	11.84	104	630154	5.114	ug/L	98
56) Isopropylbenzene	12.13	105	1168647	5.255	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	86499	4.843	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	63962	4.877	ug/L	98
61) Bromoform	12.01	173	36754	5.185	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	342564	5.056	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	347237	4.949	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	277915	5.111	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	9974	4.502	ug/L #	92
67) 1,3,5-Trichlorobenzene	14.29	180	219568	5.319	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	137901	5.723	ug/L	97
69) Naphthalene	15.00	128	156516	6.690	ug/L	96
70) 1,2,3-Trichlorobenzene	15.18	180	95447	5.704	ug/L	98

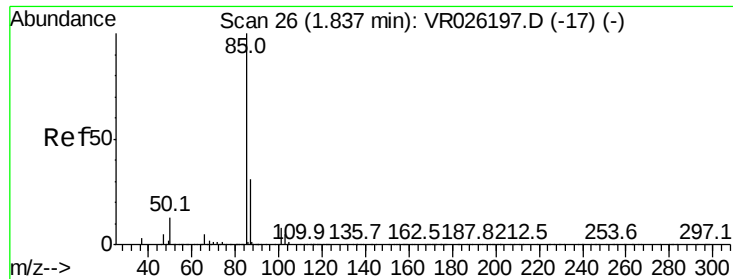
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.708 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

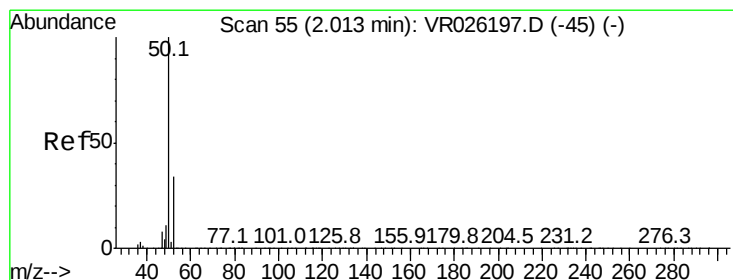
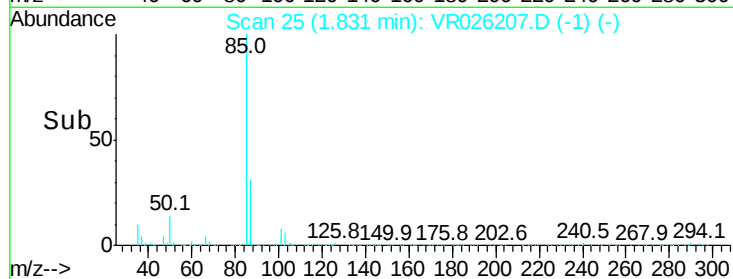
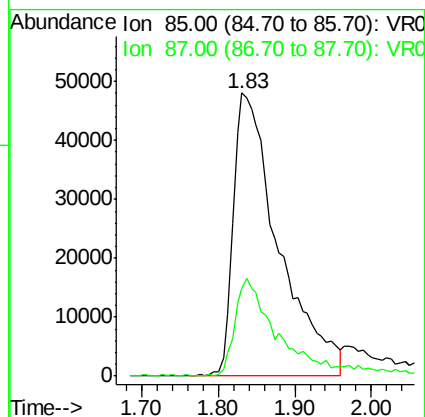
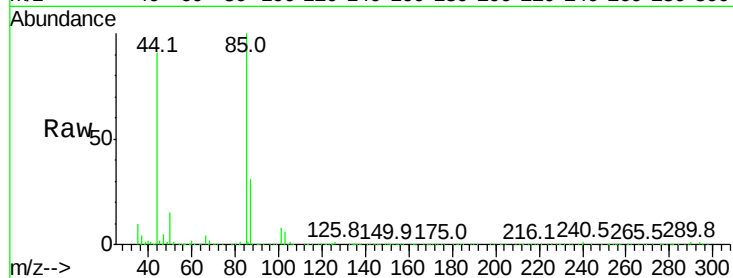
VSTD00588

Tgt Ion: 85 Resp: 195333

Ion Ratio Lower Upper

85 100

87 31.9 23.4 35.2



#3

Chloromethane

Concen: 4.564 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026207.D

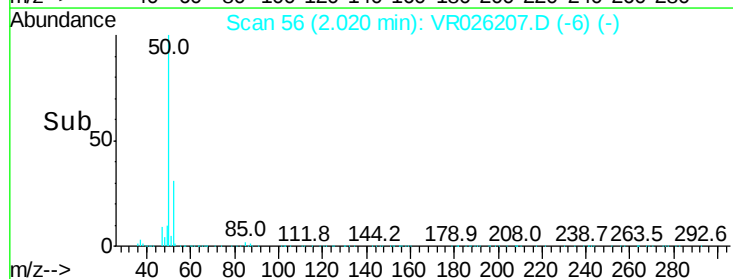
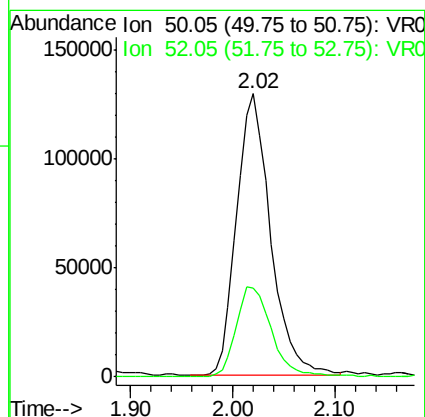
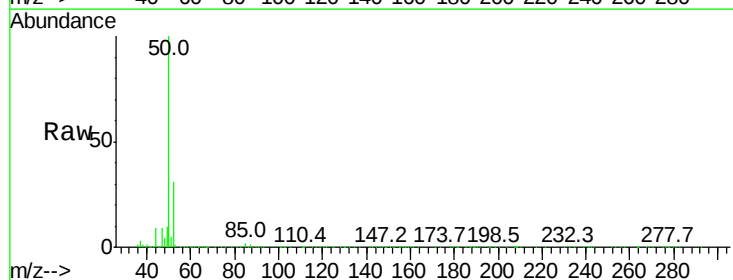
Acq: 7 Nov 2018 17:42

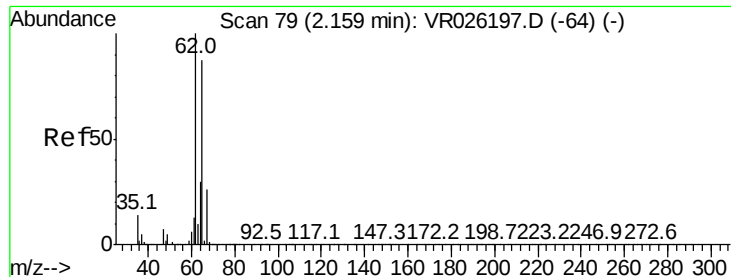
Tgt Ion: 50 Resp: 300699

Ion Ratio Lower Upper

50 100

52 31.4 22.0 40.8





#5

Vinyl chloride

Concen: 4.583 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

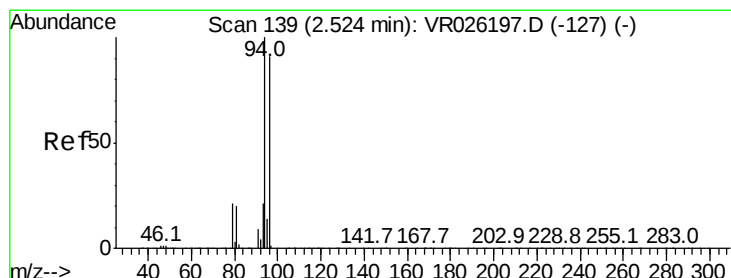
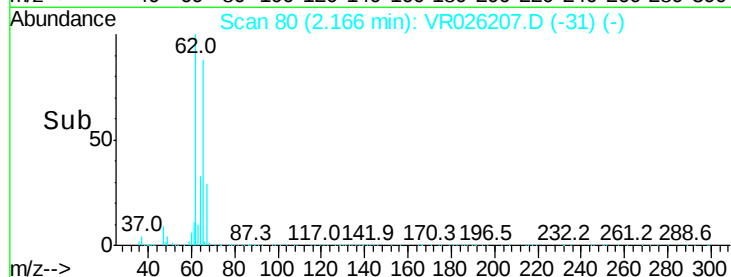
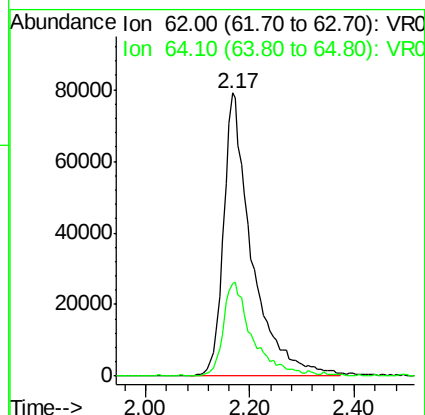
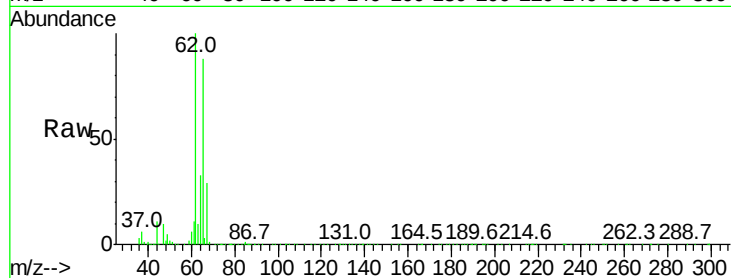
VSTD00588

Tgt Ion: 62 Resp: 300815

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



#6

Bromomethane

Concen: 4.680 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026207.D

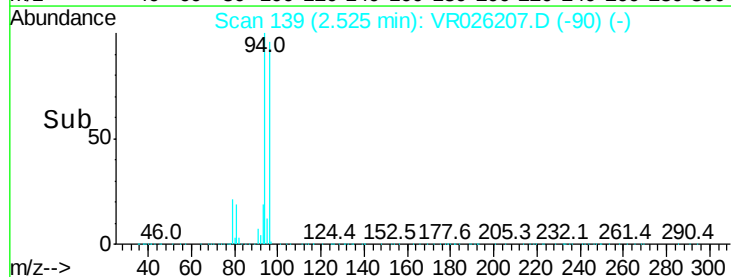
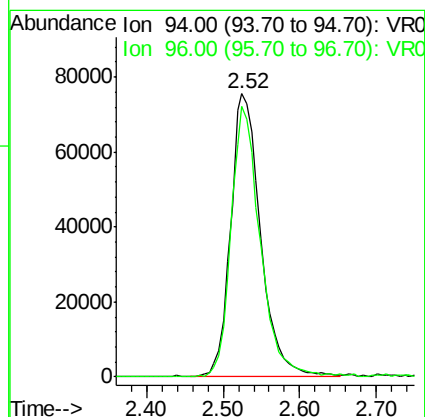
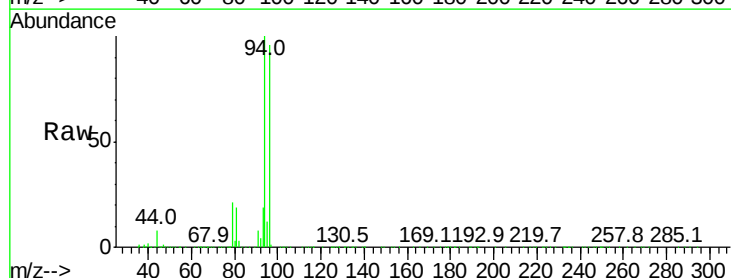
Acq: 7 Nov 2018 17:42

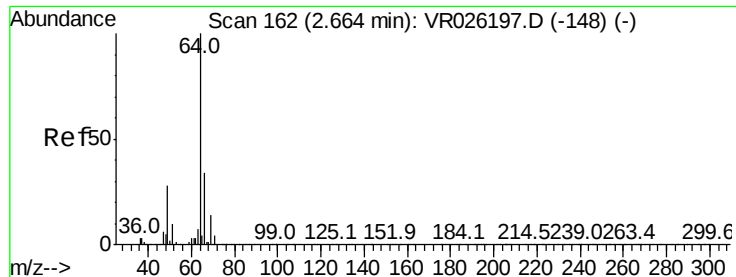
Tgt Ion: 94 Resp: 202844

Ion Ratio Lower Upper

94 100

96 95.8 62.5 116.1





#8

Chloroethane

Concen: 4.926 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

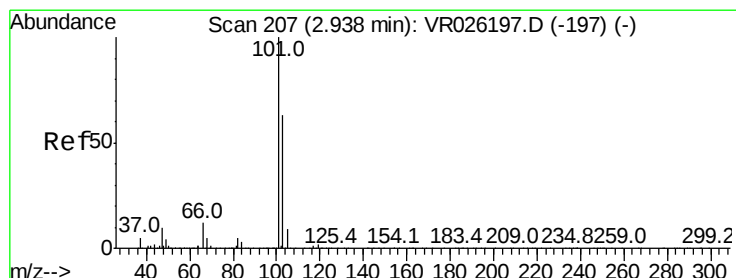
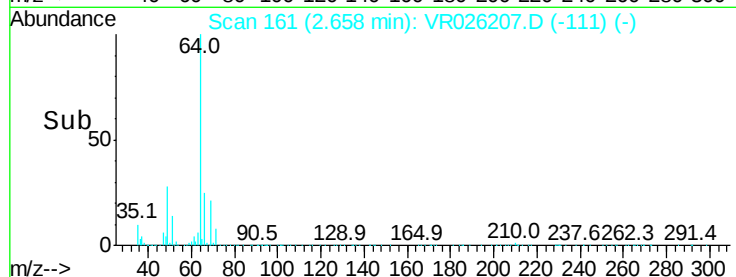
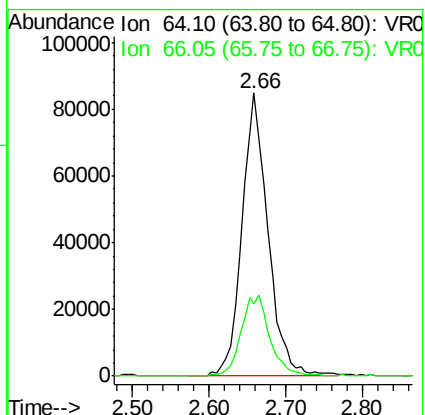
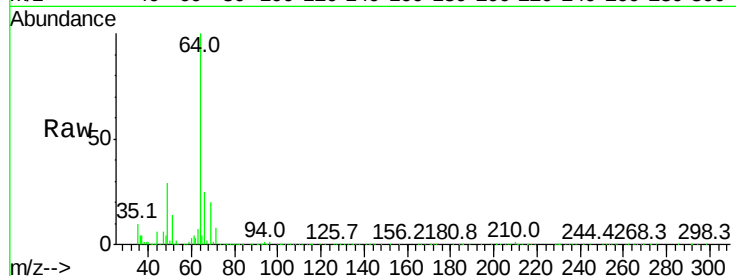
VSTD00588

Tgt Ion: 64 Resp: 200326

Ion Ratio Lower Upper

64 100

66 25.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 2.187 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR026207.D

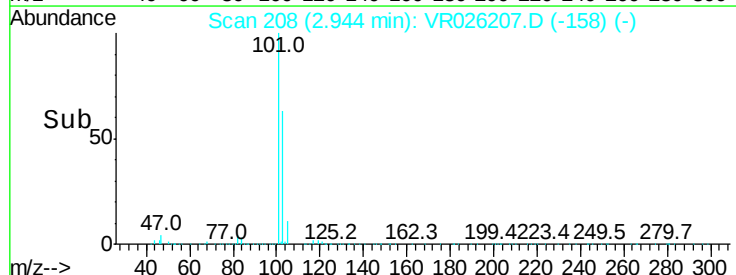
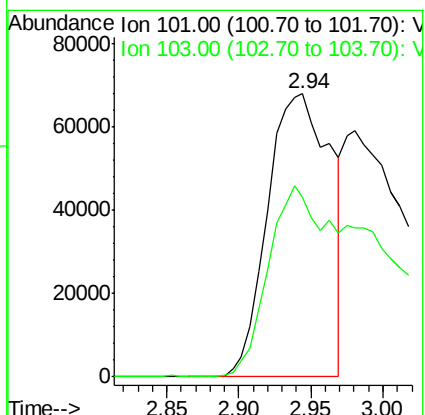
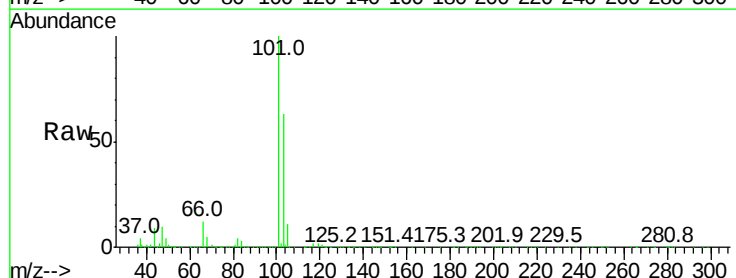
Acq: 7 Nov 2018 17:42

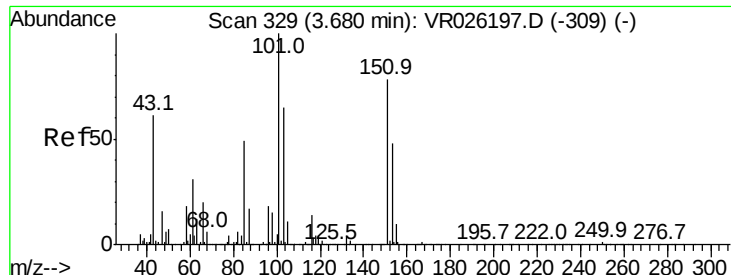
Tgt Ion: 101 Resp: 207196

Ion Ratio Lower Upper

101 100

103 64.6 26.0 39.0#





#10

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

Concen: 4.830 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

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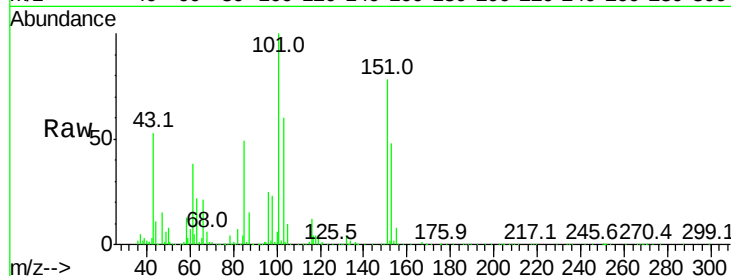
Tgt Ion: 101 Resp: 272835

Ion Ratio Lower Upper

101 100

85 47.8 37.8 56.8

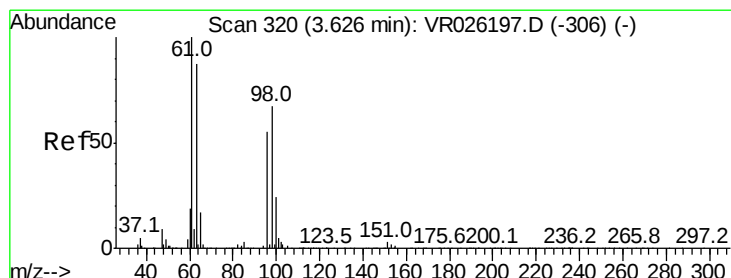
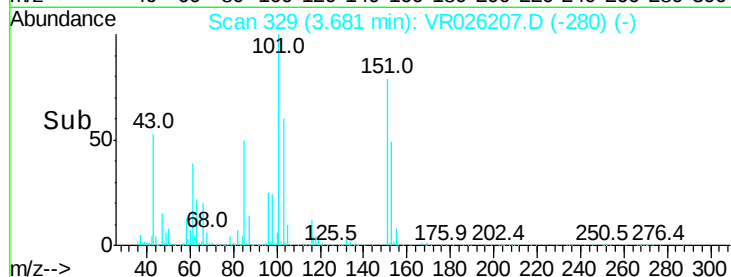
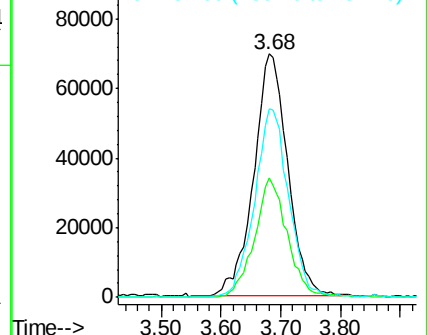
151 79.0 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.792 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

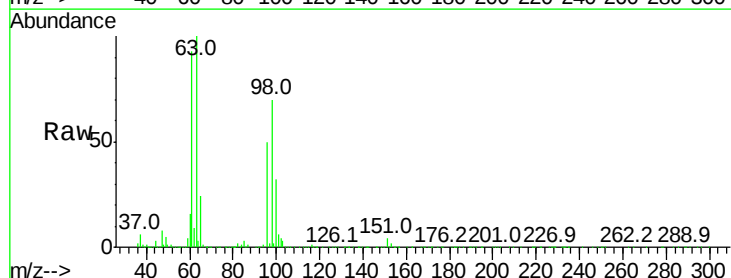
Tgt Ion: 96 Resp: 287810

Ion Ratio Lower Upper

96 100

61 186.8 126.7 235.3

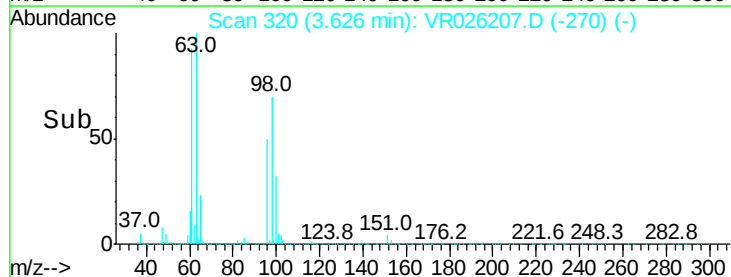
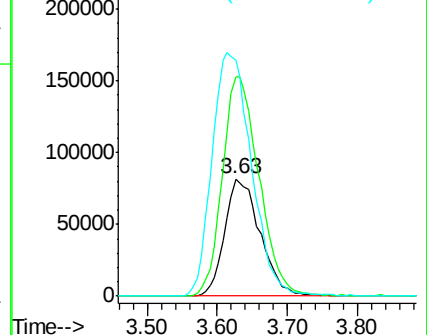
63 201.3 125.0 232.2

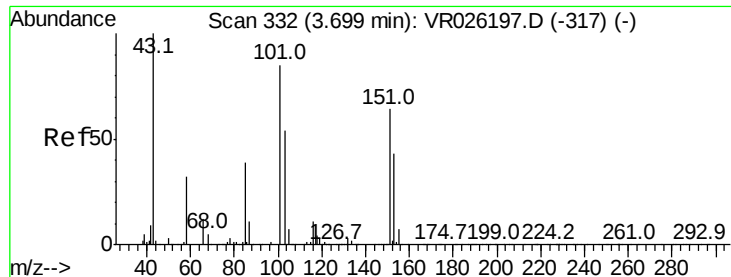


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 48.593 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

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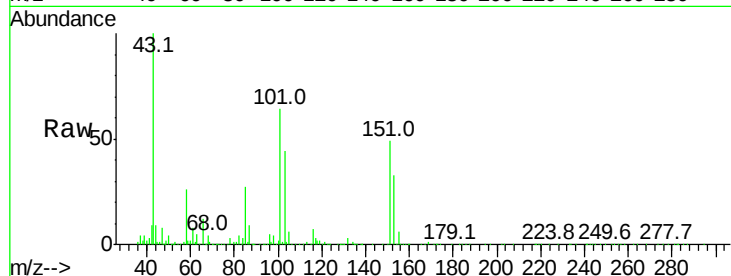
VSTD00588

Tgt Ion: 43 Resp: 222922

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

80000

60000

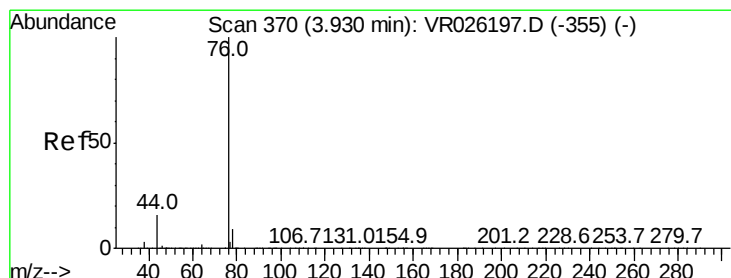
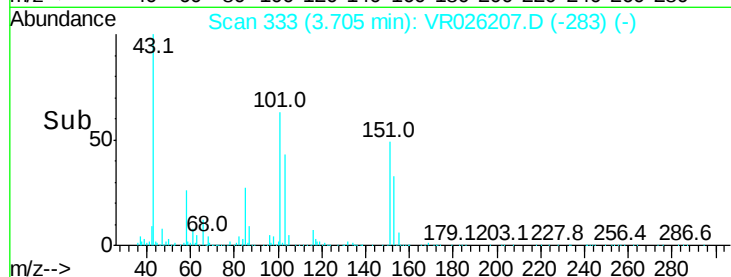
40000

20000

0

3.60 3.70 3.80

Time-->



#14

Carbon disulfide

Concen: 4.671 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026207.D

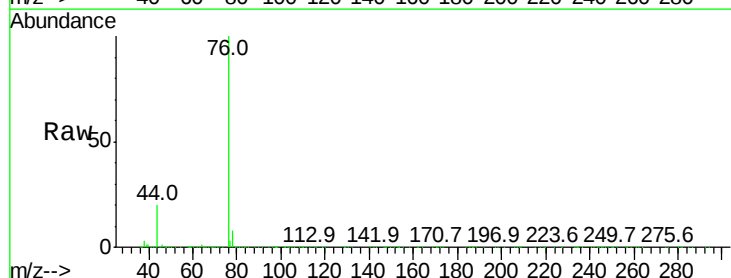
Acq: 7 Nov 2018 17:42

Tgt Ion: 76 Resp: 733507

Ion Ratio Lower Upper

76 100

78 8.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

200000

150000

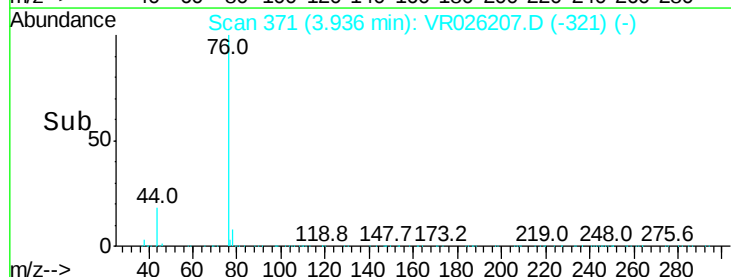
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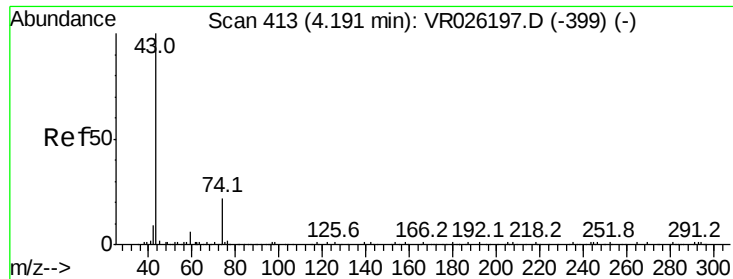
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0

3.80 4.00 4.20

Time-->

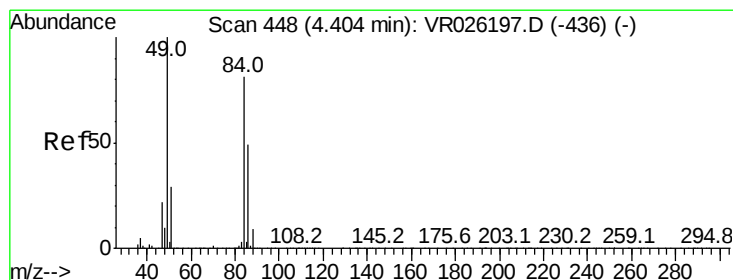
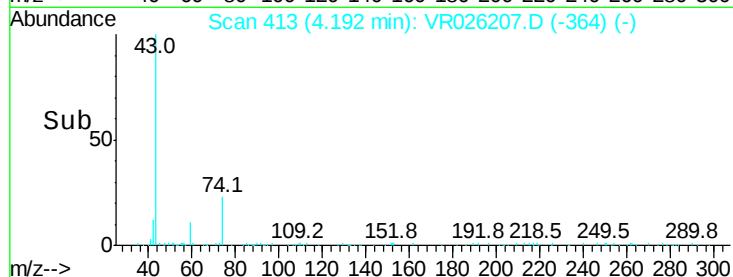
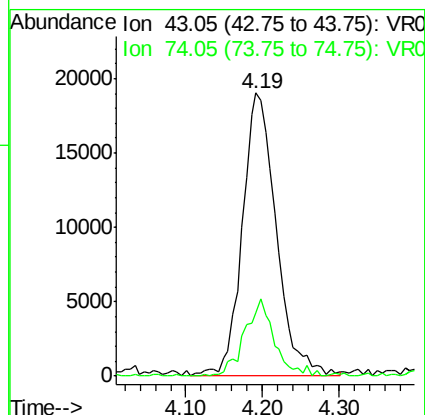
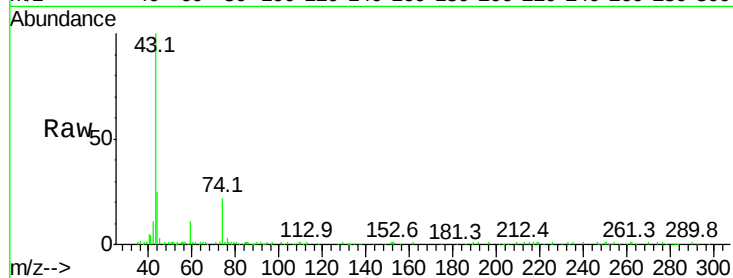




#15
Methyl Acetate
Concen: 4.901 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

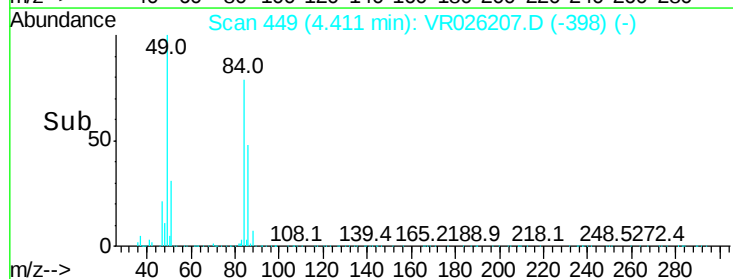
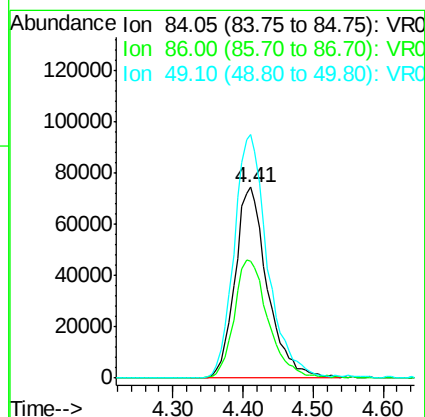
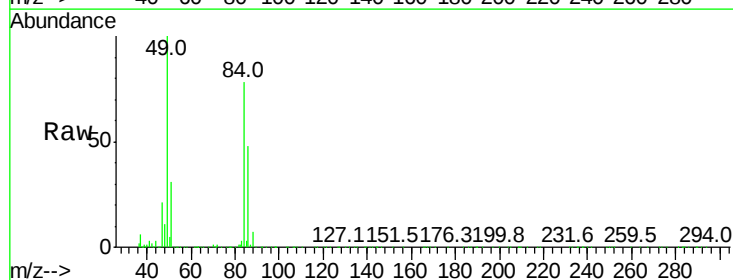
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

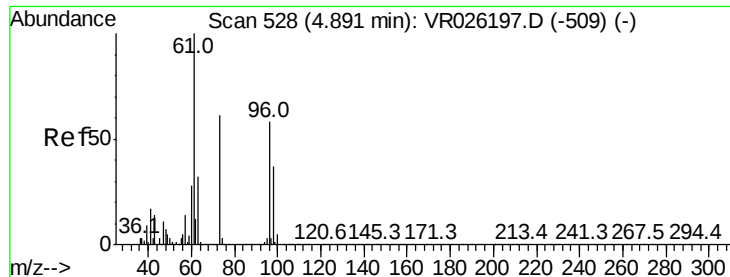
Tgt Ion: 43 Resp: 58733
Ion Ratio Lower Upper
43 100
74 23.1 19.8 29.8



#16
Methylene chloride
Concen: 4.399 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion: 84 Resp: 239600
Ion Ratio Lower Upper
84 100
86 61.5 43.0 79.8
49 127.5 89.1 165.5





#17

Methyl tert-butyl Ether

Concen: 5.138 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

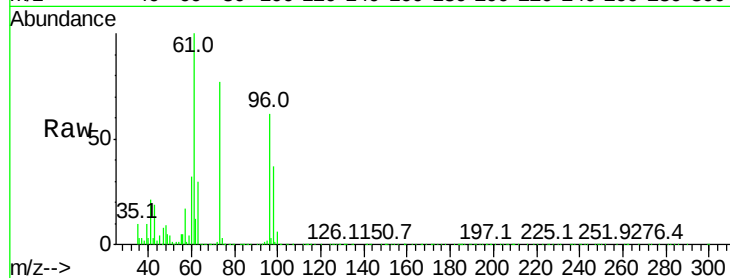
Tgt Ion: 73 Resp: 280148

Ion Ratio Lower Upper

73 100

43 24.6 20.1 30.1

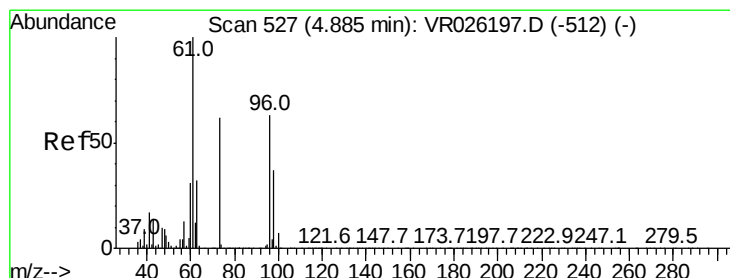
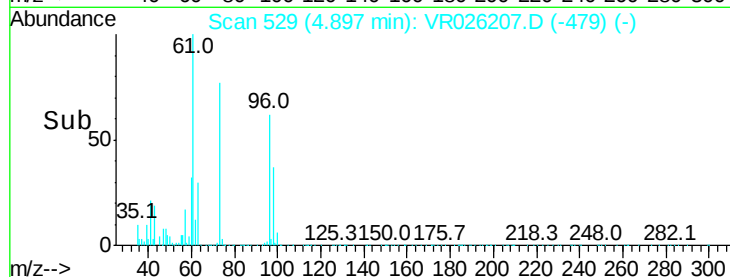
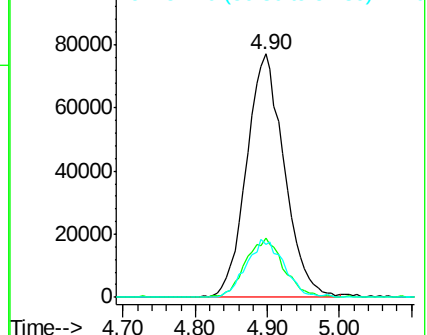
57 23.6 19.0 28.4



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: 4.867 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

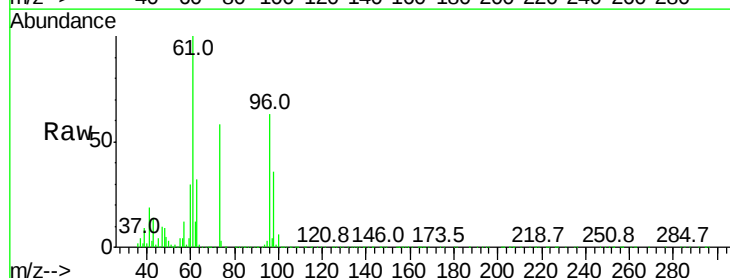
Tgt Ion: 96 Resp: 221059

Ion Ratio Lower Upper

96 100

61 159.5 111.4 206.8

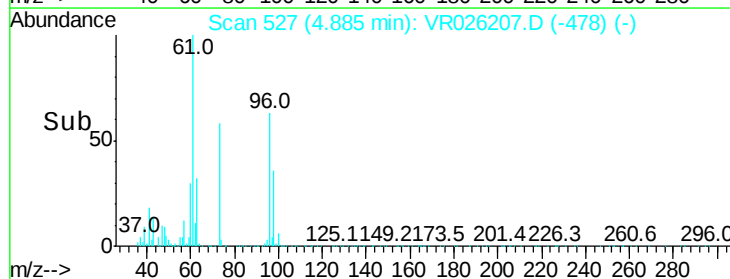
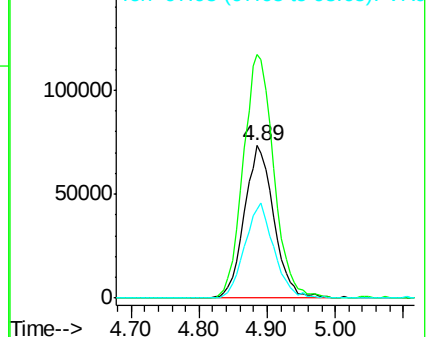
98 57.8 41.4 77.0

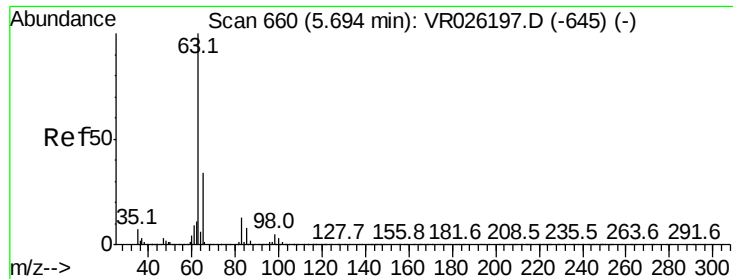


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

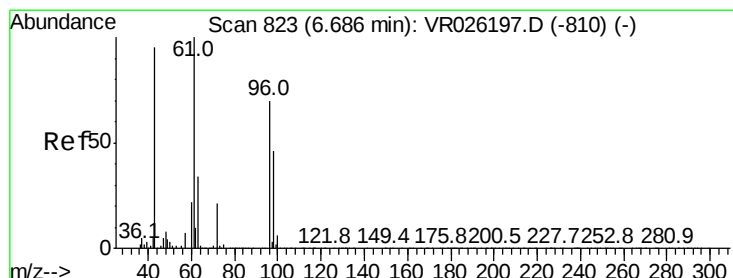
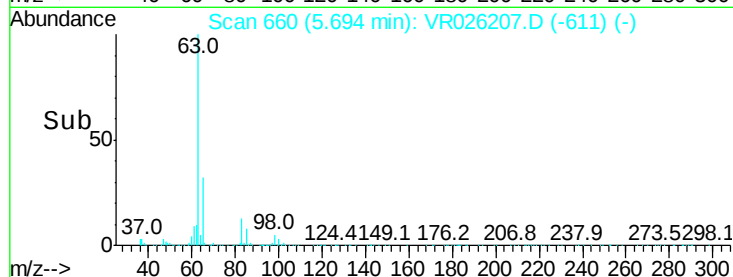
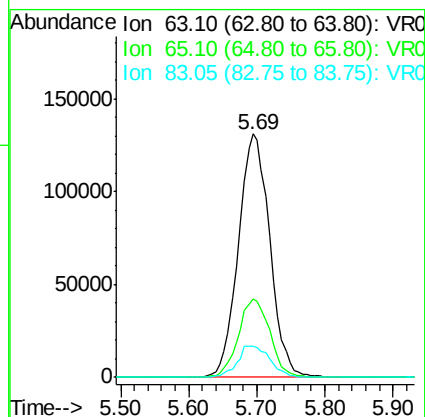
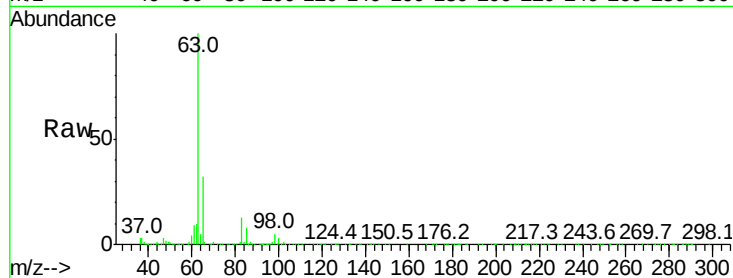




#19
 1,1-Dichloroethane
 Concen: 4.935 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

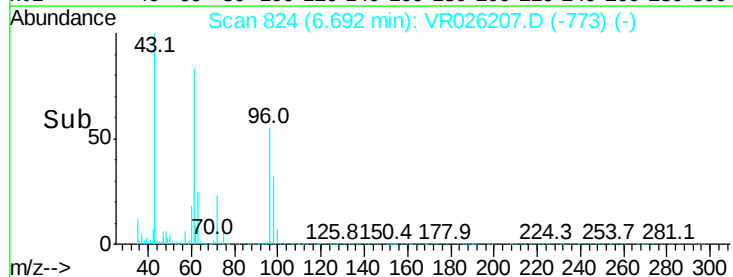
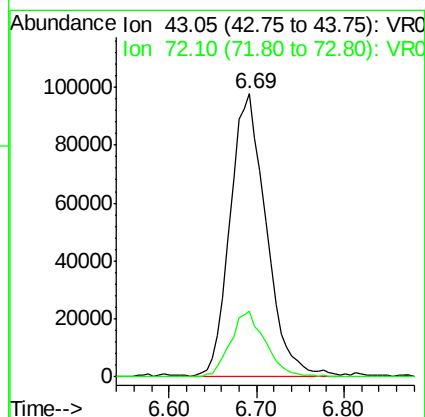
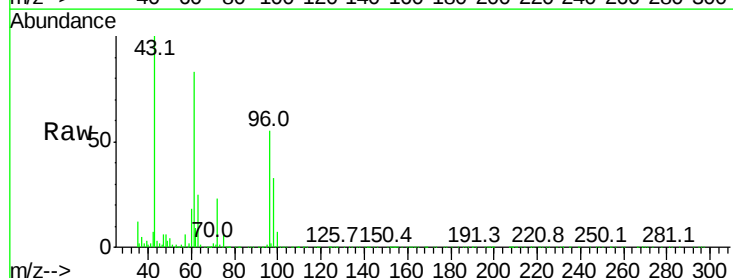
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

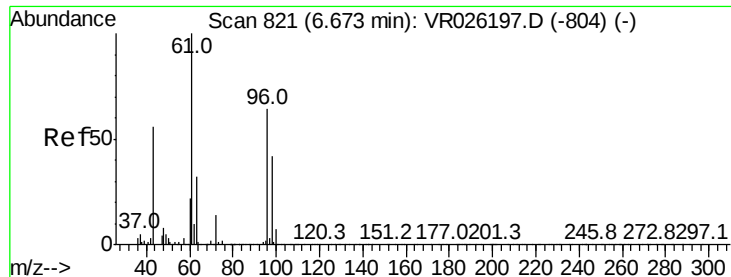
Tgt Ion:	63	Resp:	420831
Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.2	39.4
83	13.0	9.2	17.2



#21
 2-Butanone
 Concen: 52.593 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

Tgt Ion:	43	Resp:	278342
Ion	Ratio	Lower	Upper
43	100		
72	22.5	12.3	36.8



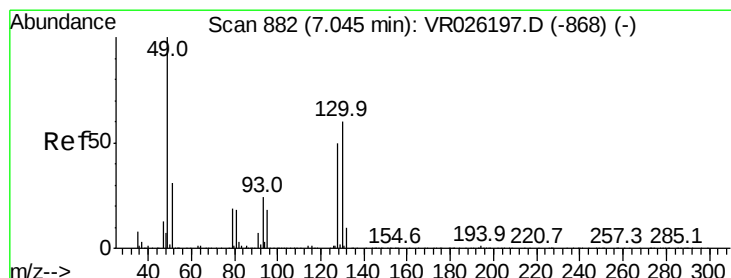
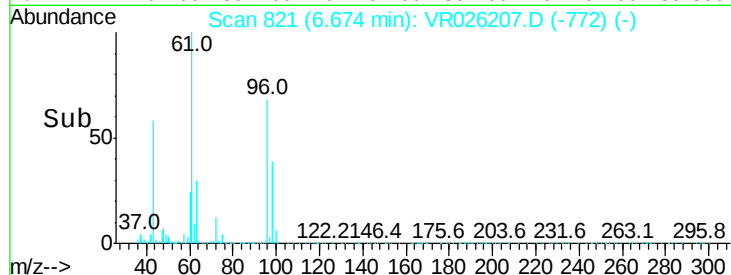
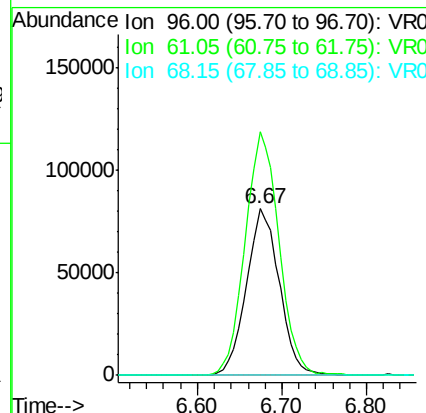
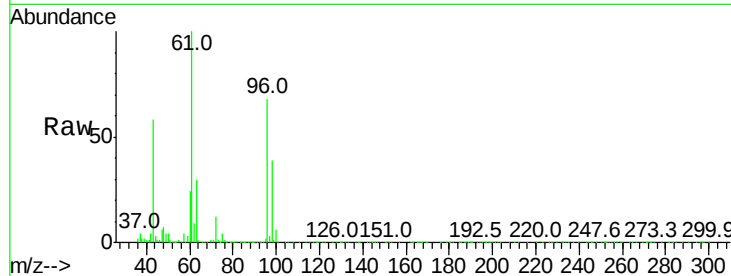


#22

cis-1,2-Dichloroethene
Concen: 4.982 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

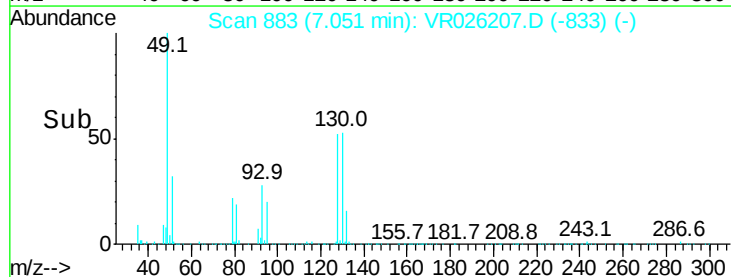
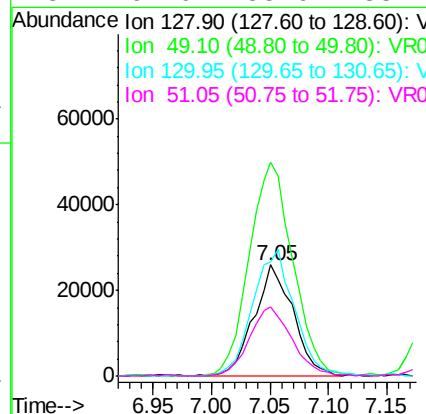
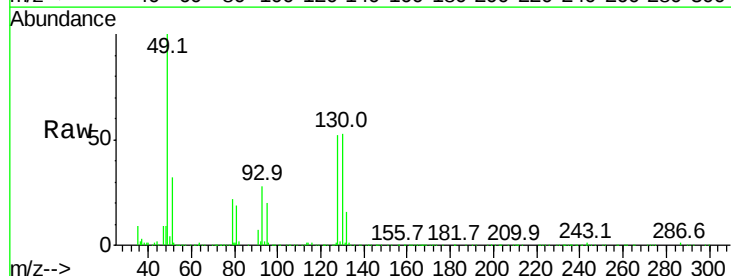
Tgt Ion: 96 Resp: 214063
Ion Ratio Lower Upper
96 100
61 146.3 101.8 189.0
68 0.1 0.1 0.3#

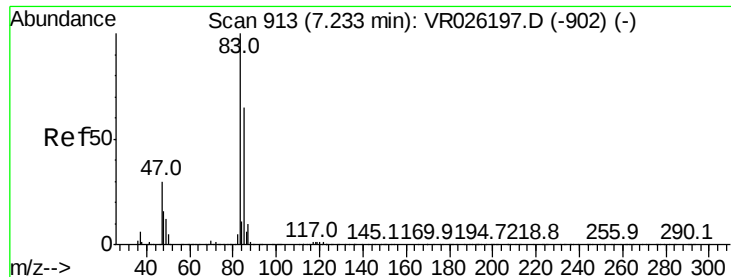


#23

Bromochloromethane
Concen: 4.993 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion: 128 Resp: 60182
Ion Ratio Lower Upper
128 100
49 192.5 146.2 271.4
130 102.5 92.5 171.7
51 61.9 55.6 83.4

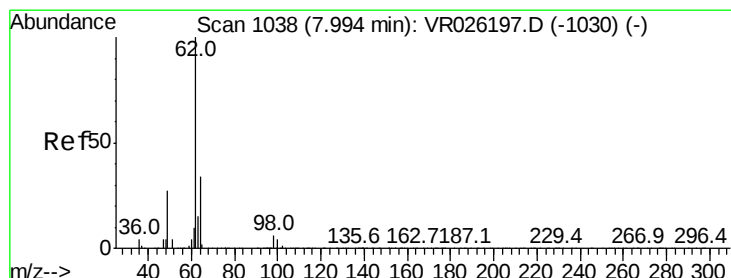
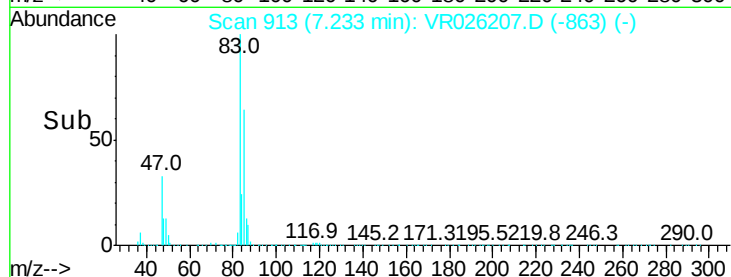
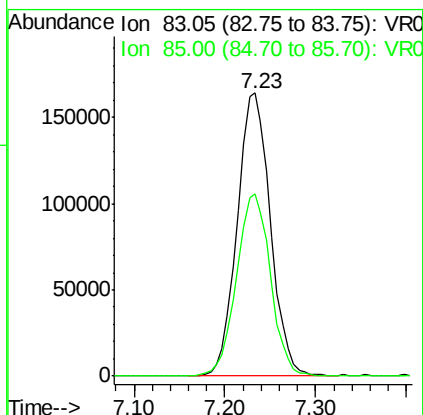
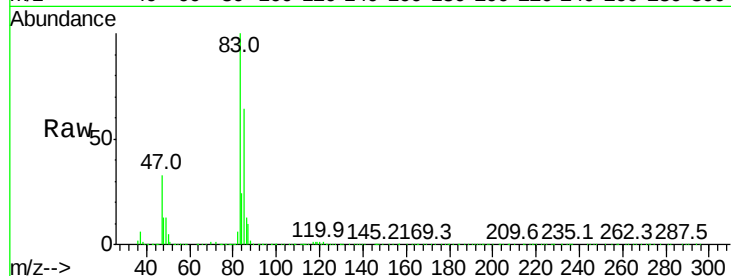




#25
Chloroform
Concen: 4.990 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

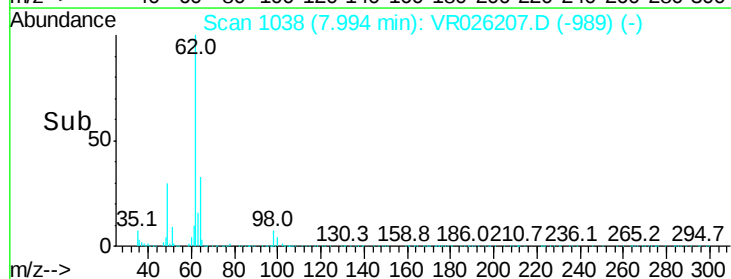
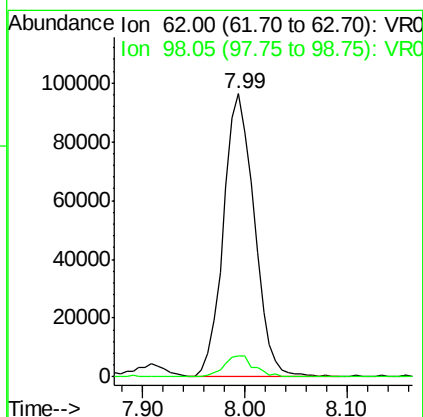
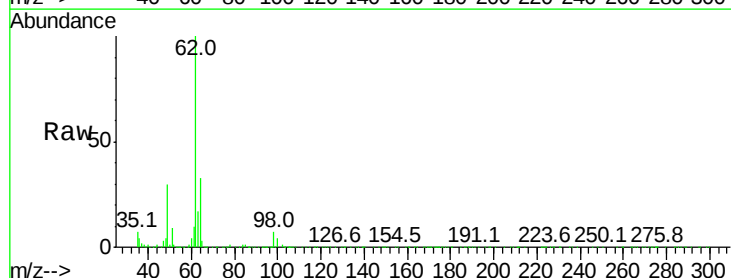
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

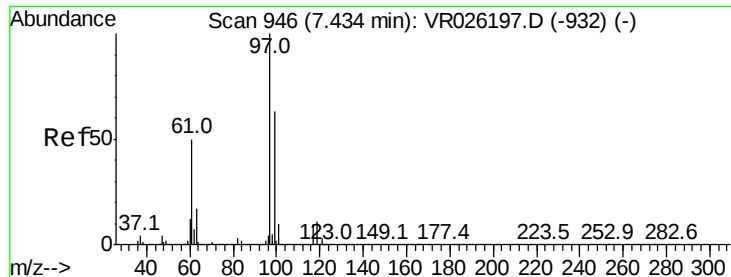
Tgt Ion: 83 Resp: 415320
Ion Ratio Lower Upper
83 100
85 64.2 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.919 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion: 62 Resp: 200375
Ion Ratio Lower Upper
62 100
98 7.5 5.6 8.4

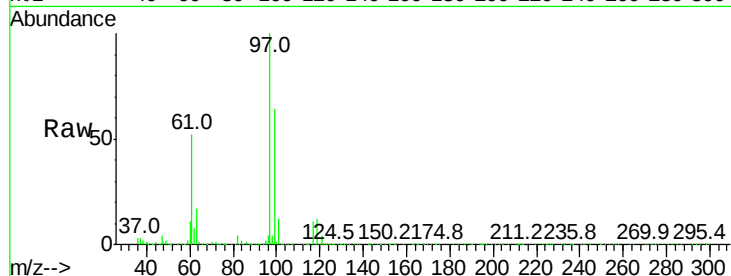




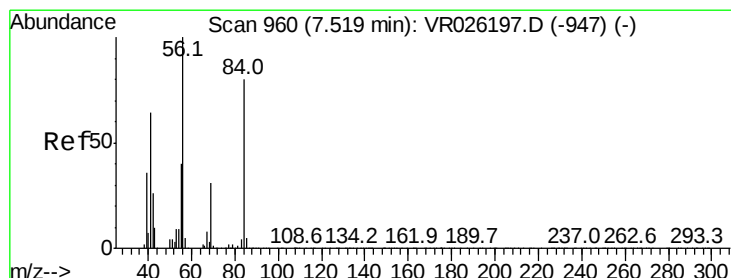
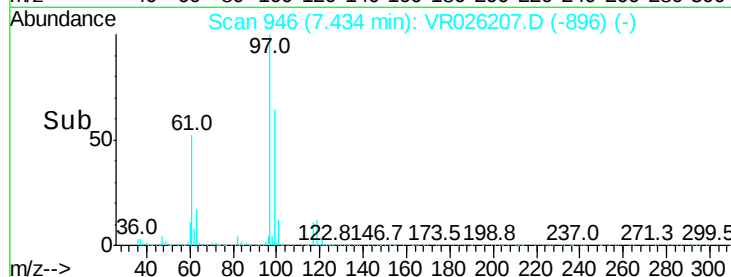
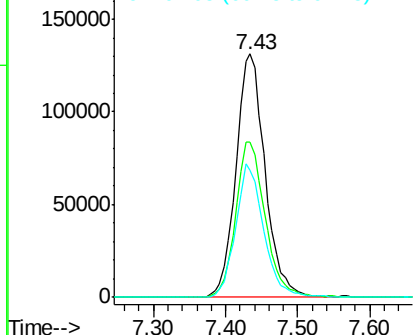
#29
1,1,1-Trichloroethane
Concen: 5.117 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	52.7	42.1	63.1

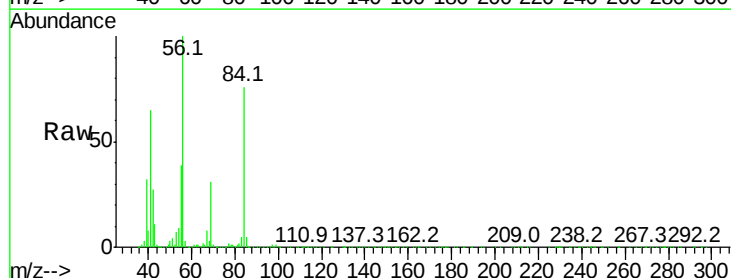


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

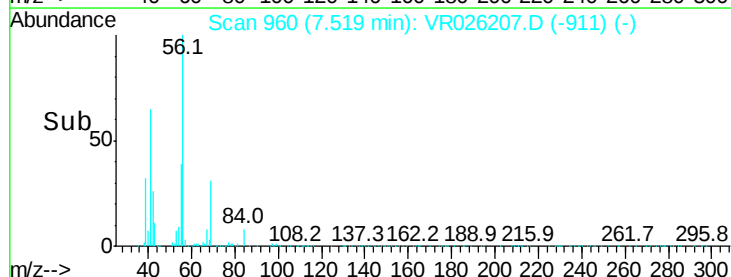
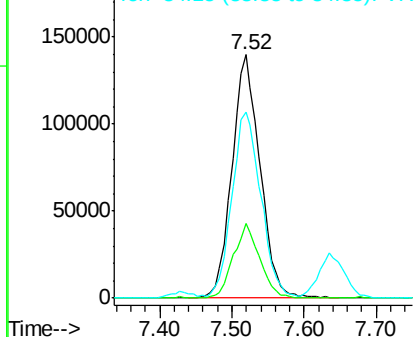


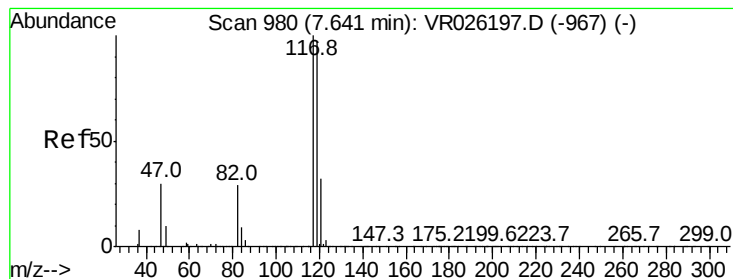
#30
Cyclohexane
Concen: 5.214 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.8	35.8
84	78.9	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.941 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampled :

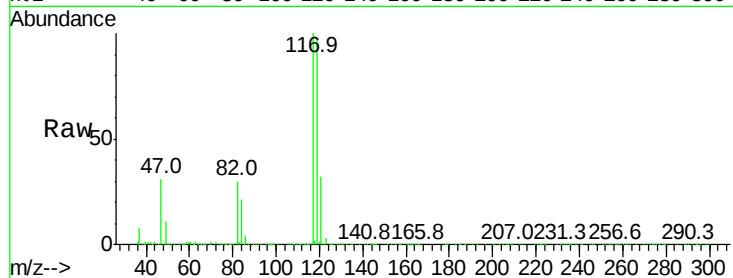
VSTD00588

Tgt Ion:117 Resp: 323101

Ion Ratio Lower Upper

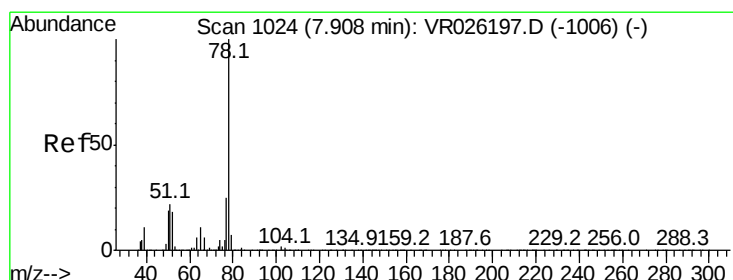
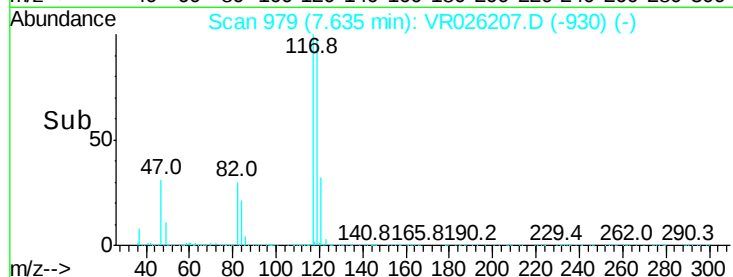
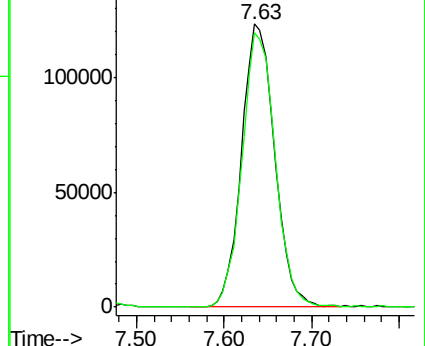
117 100

119 97.3 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.857 ug/L

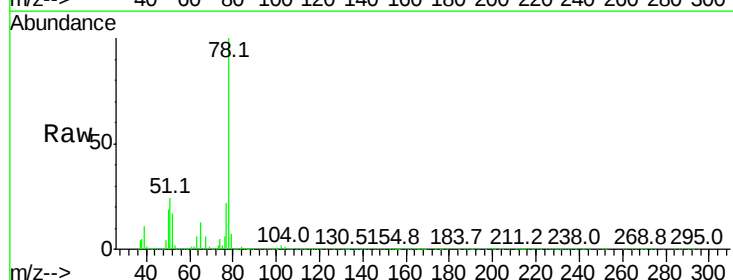
RT: 7.91 min Scan# 1024

Delta R.T. 0.00 min

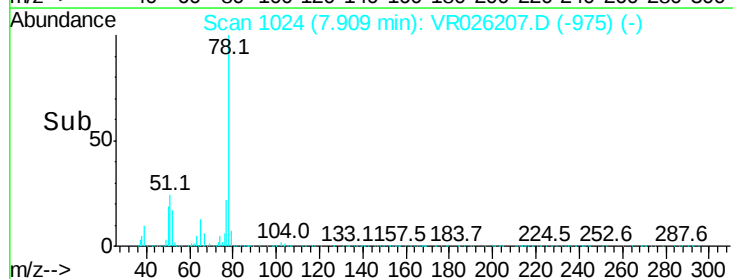
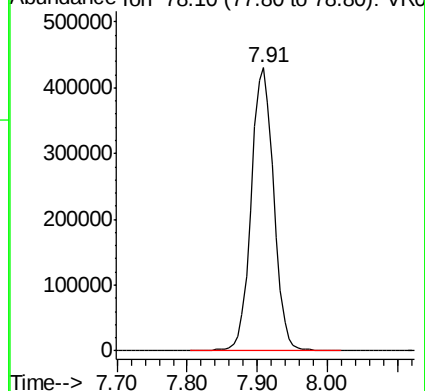
Lab File: VR026207.D

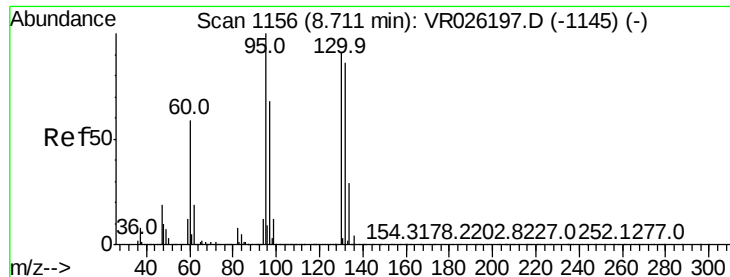
Acq: 7 Nov 2018 17:42

Tgt Ion: 78 Resp: 959272



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.953 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

Tgt Ion: 95 Resp: 250338

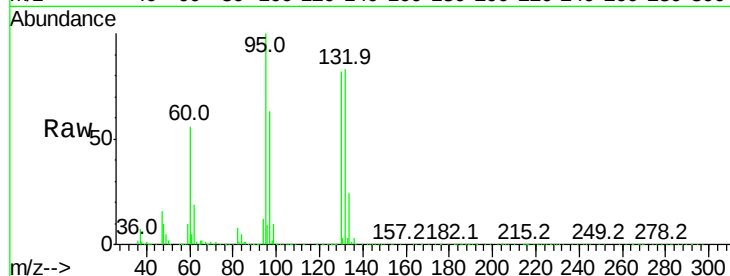
Ion Ratio Lower Upper

95 100

97 63.4 45.7 84.9

132 82.7 58.3 108.3

130 81.9 64.0 119.0

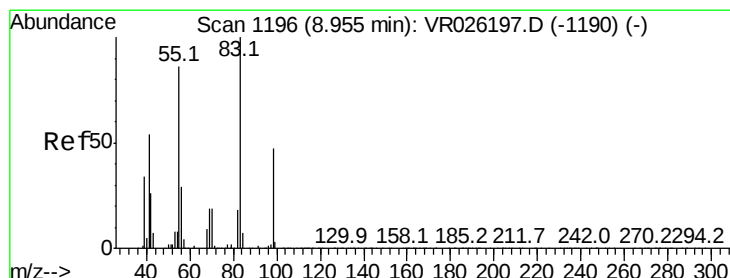
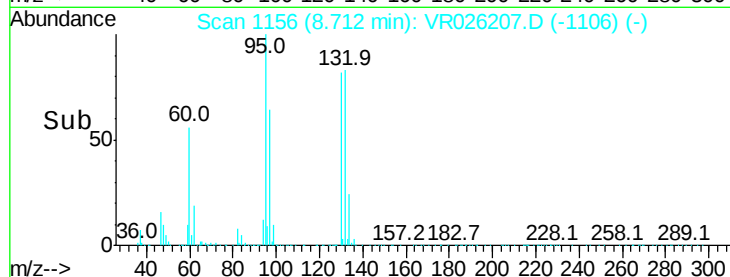
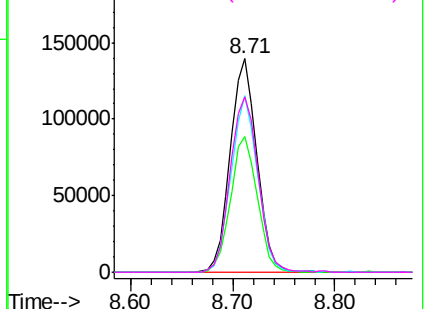


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.110 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

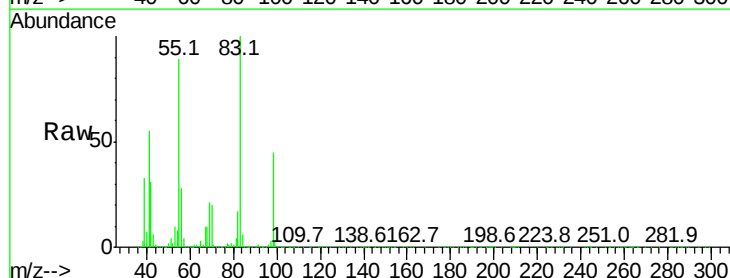
Tgt Ion: 83 Resp: 384573

Ion Ratio Lower Upper

83 100

55 83.8 66.8 100.2

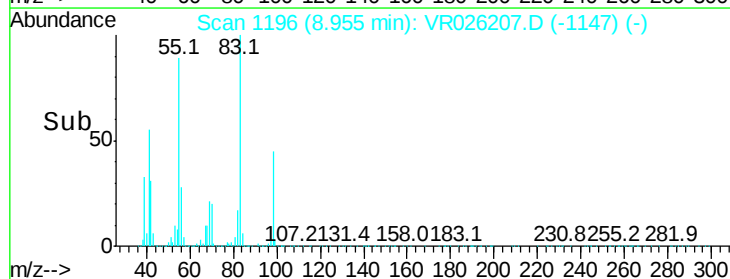
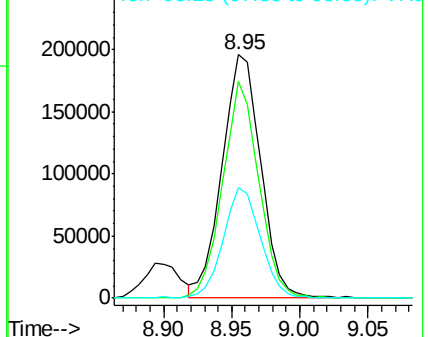
98 43.9 35.2 52.8

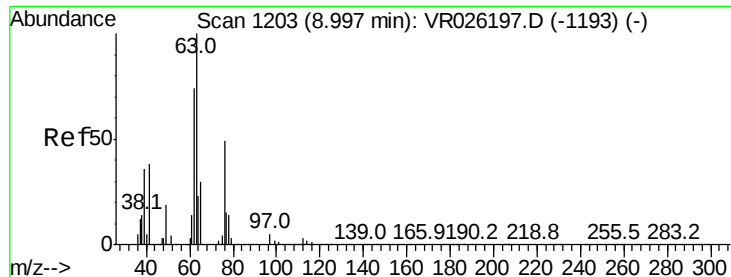


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

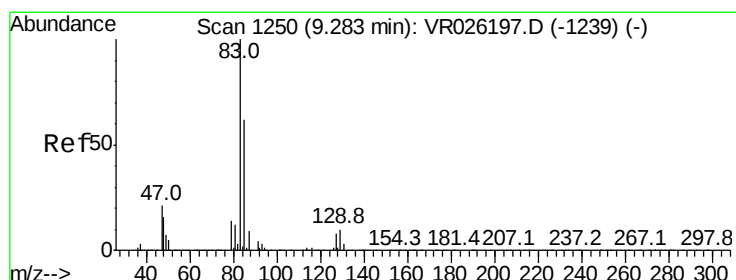
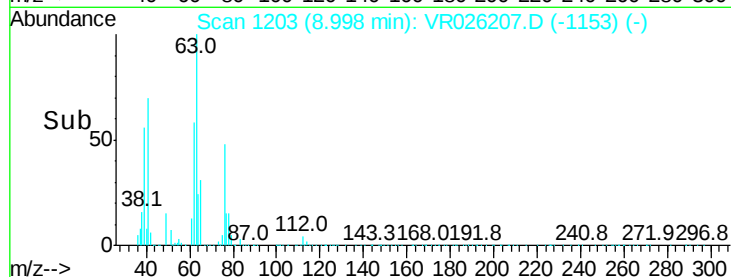
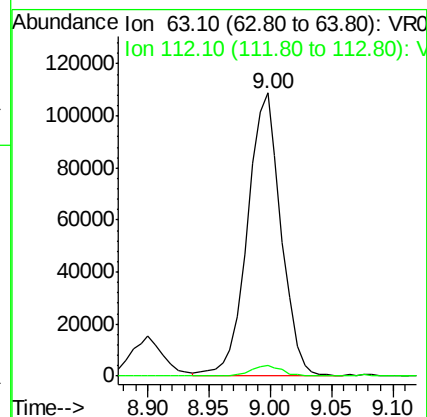
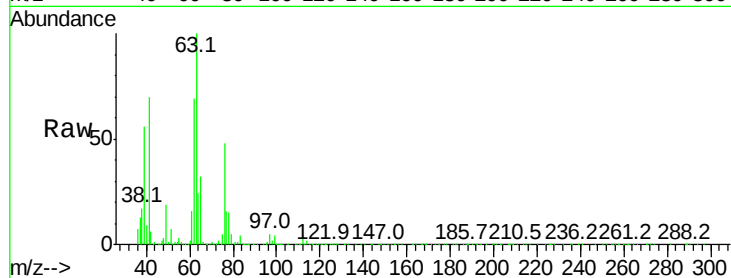




#37
 1,2-Dichloropropane
 Concen: 4.952 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

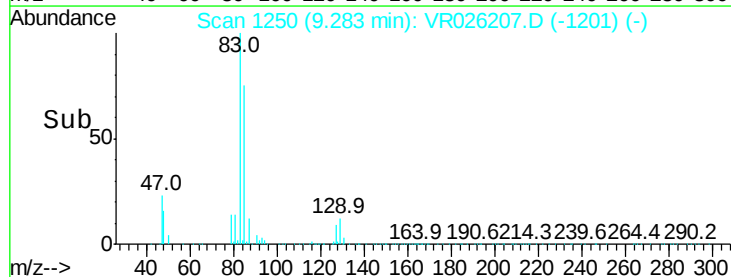
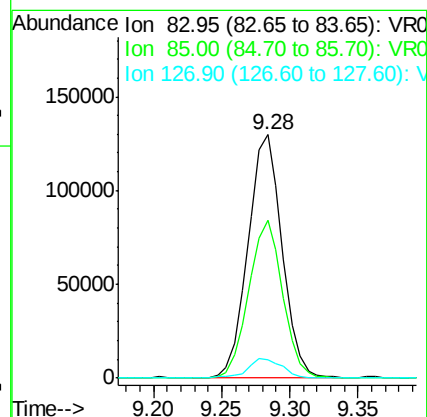
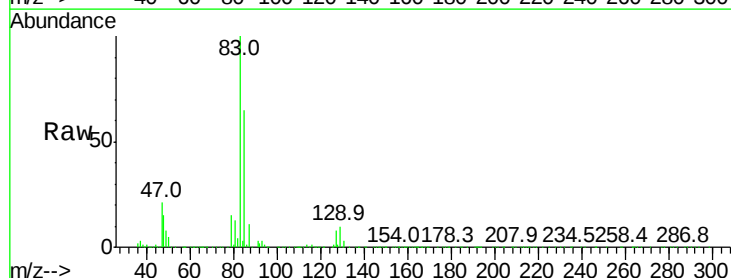
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

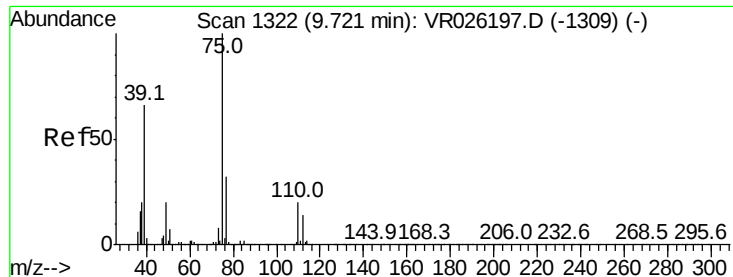
Tgt Ion: 63 Resp: 206319
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.066 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

Tgt Ion: 83 Resp: 227012
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.5 80.7
 127 7.7 7.0 10.6

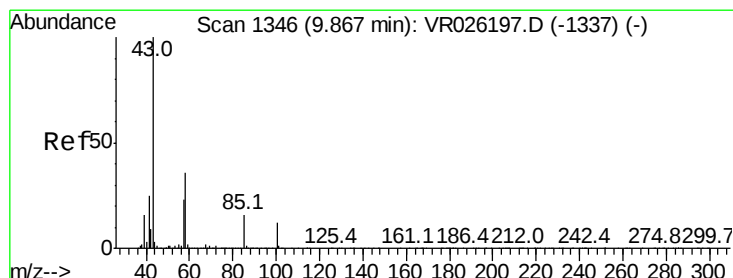
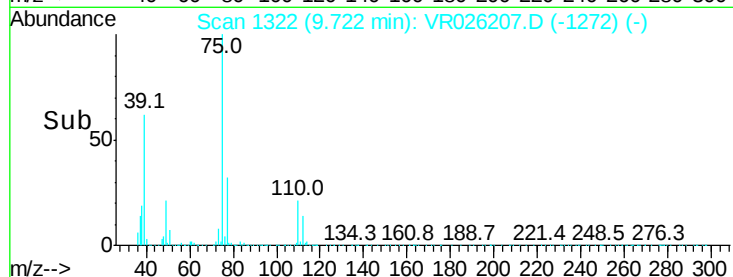
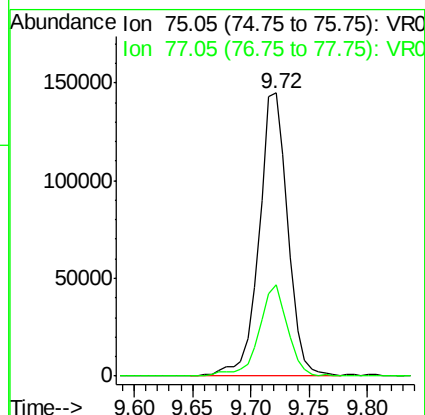
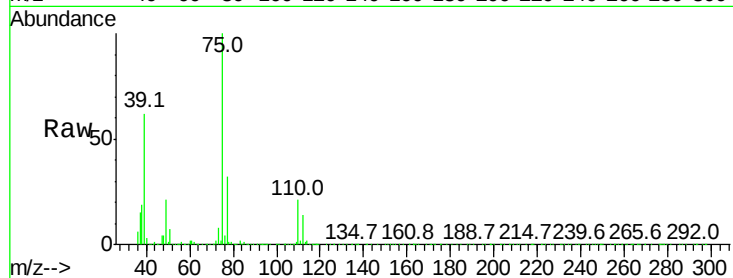




#39
 cis-1,3-Dichloropropene
 Concen: 5.187 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

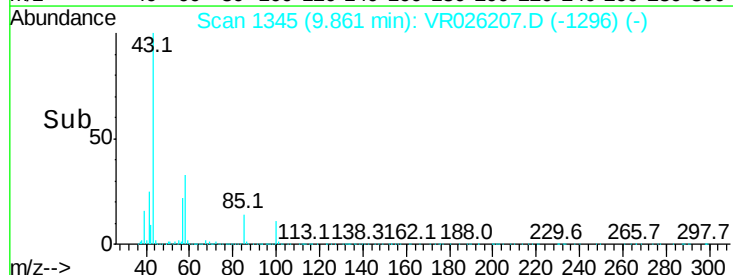
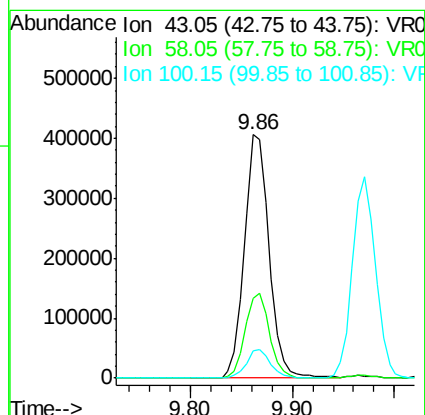
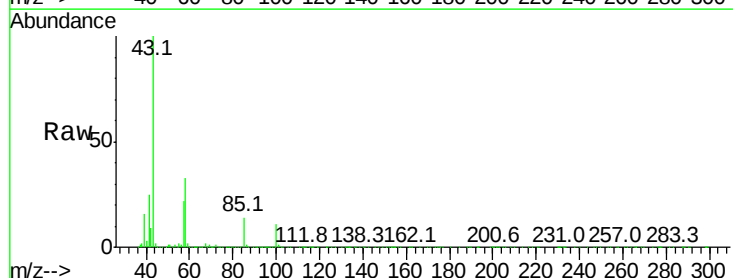
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

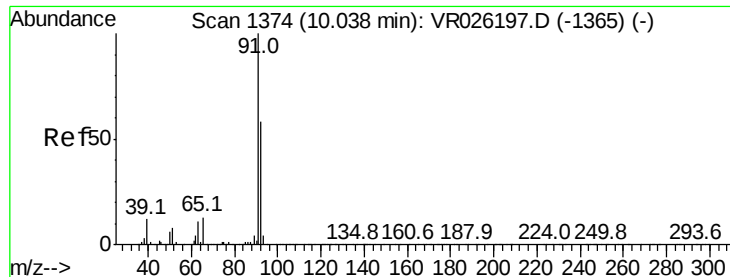
Tgt Ion: 75 Resp: 247355
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 53.449 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

Tgt Ion: 43 Resp: 680115
 Ion Ratio Lower Upper
 43 100
 58 34.4 28.1 42.1
 100 11.5 9.3 13.9





#42

Toluene

Concen: 4.944 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

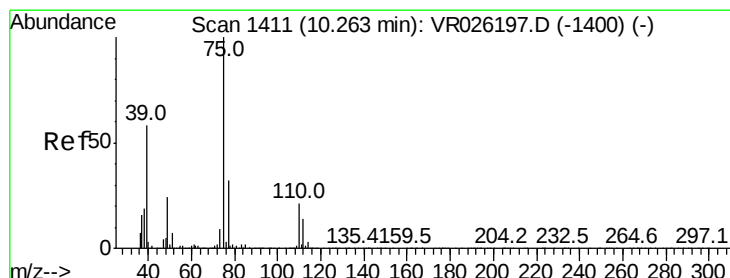
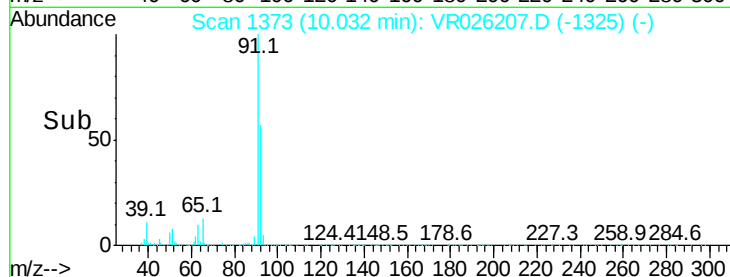
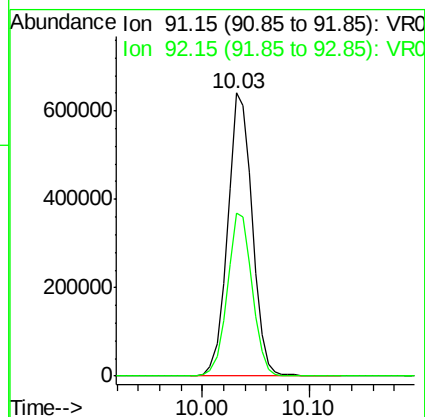
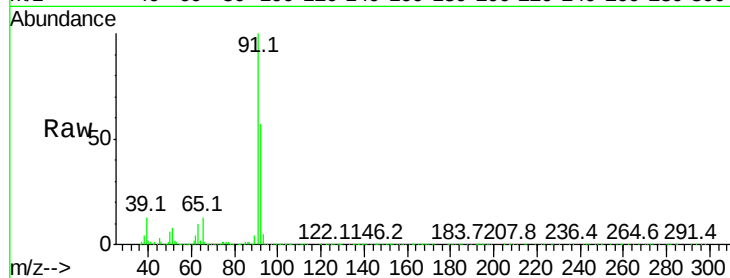
VSTD00588

Tgt Ion: 91 Resp: 1030482

Ion Ratio Lower Upper

91 100

92 57.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.333 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026207.D

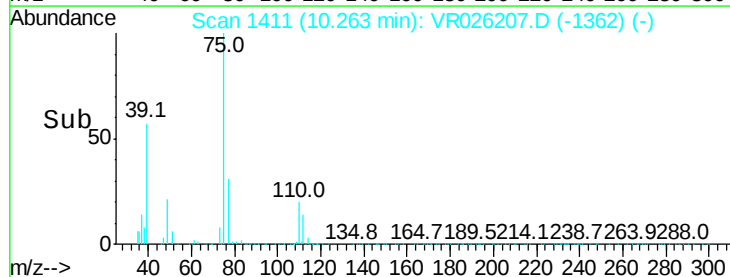
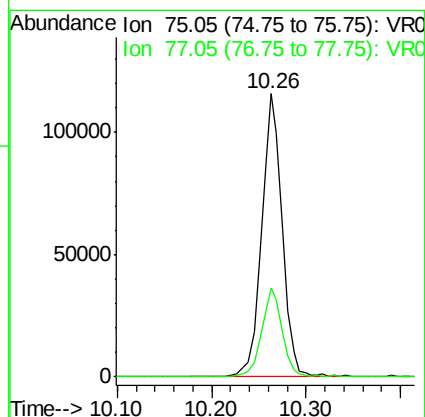
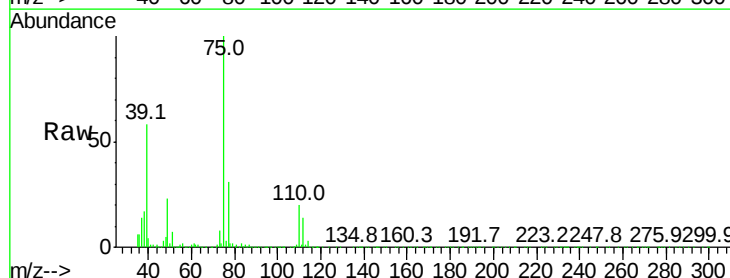
Acq: 7 Nov 2018 17:42

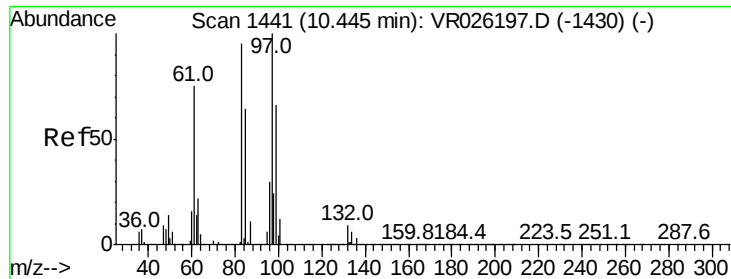
Tgt Ion: 75 Resp: 177675

Ion Ratio Lower Upper

75 100

77 31.3 24.1 44.7





#45

1,1,2-Trichloroethane

Concen: 5.103 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

Tgt Ion: 97 Resp: 89678

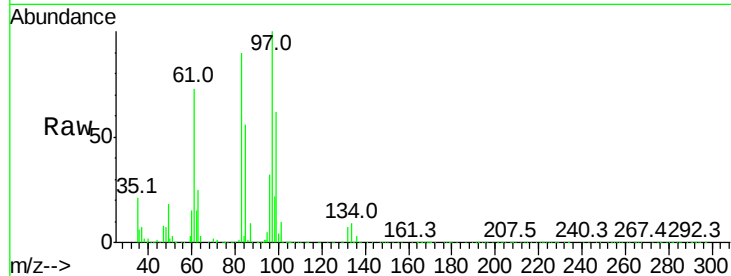
Ion Ratio Lower Upper

97 100

99 62.3 42.8 79.4

83 90.0 61.9 114.9

85 55.8 39.3 72.9

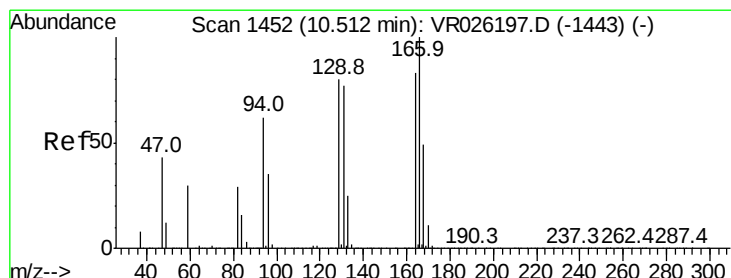
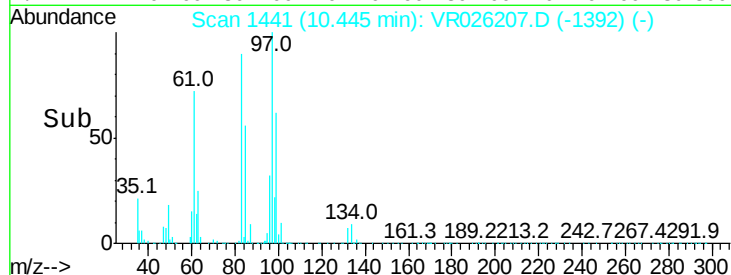
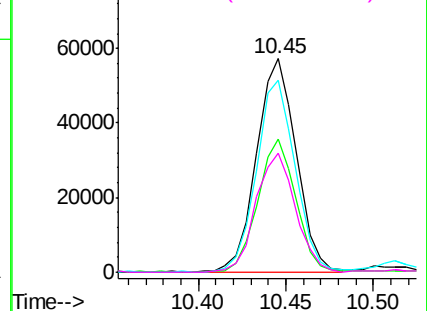


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.772 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Tgt Ion: 164 Resp: 172239

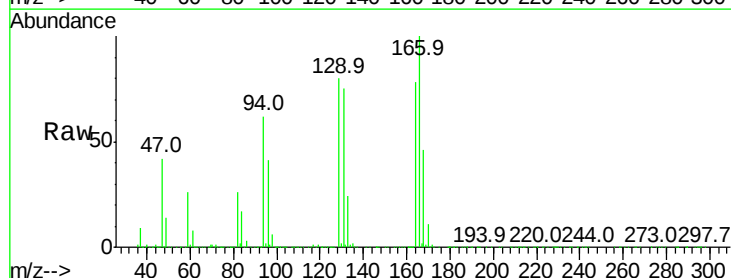
Ion Ratio Lower Upper

164 100

129 103.3 70.3 130.5

131 96.8 67.3 125.1

166 128.8 86.1 159.9

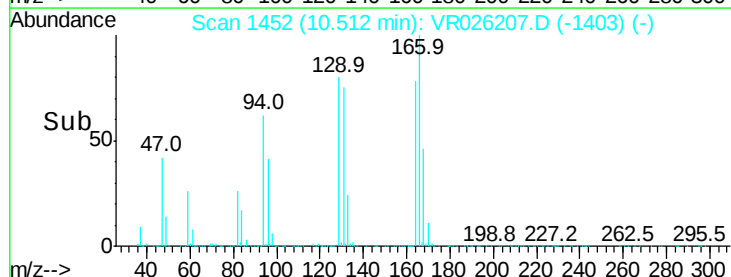
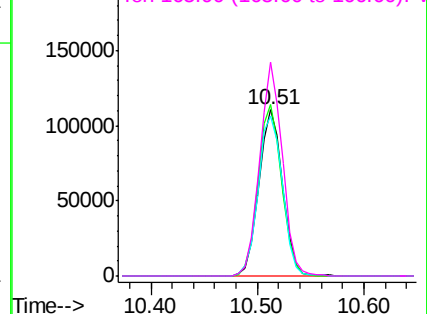


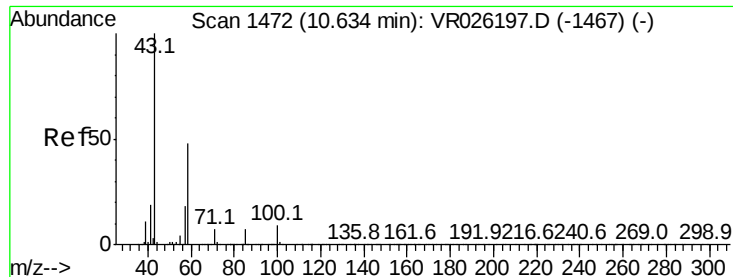
Abundance Ion 163.90 (163.60 to 164.60): V

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

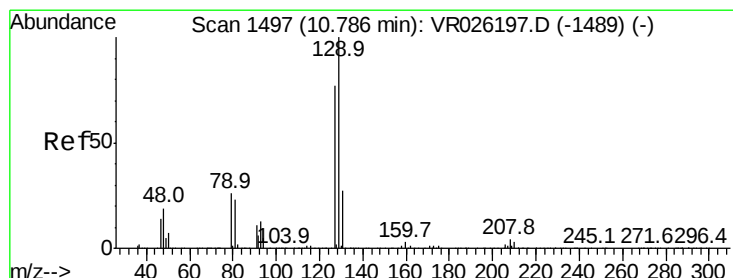
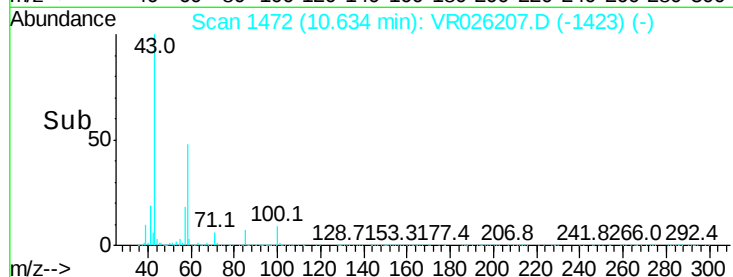
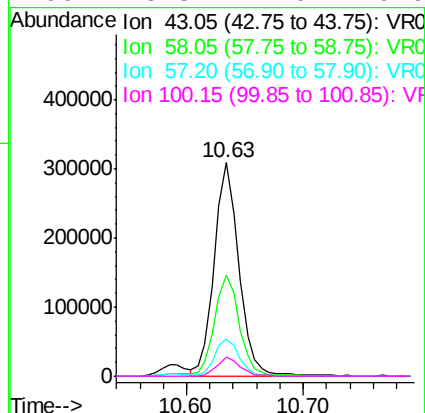
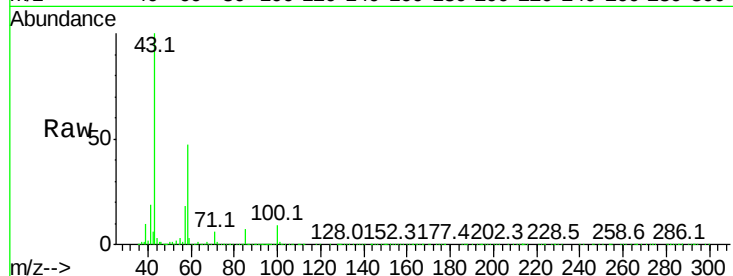




#48
2-Hexanone
Concen: 53.934 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

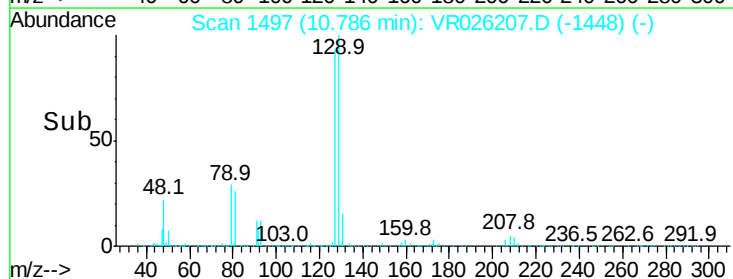
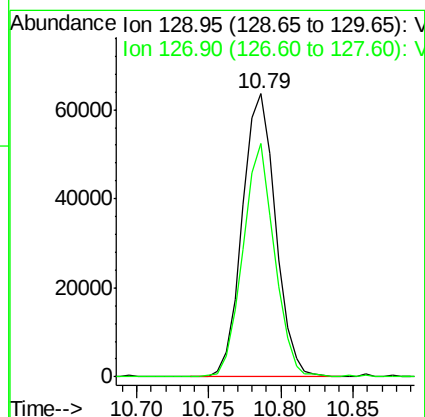
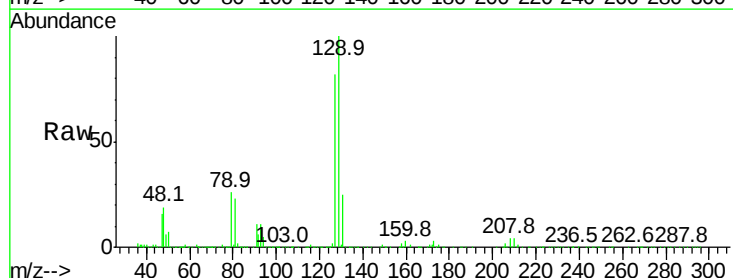
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

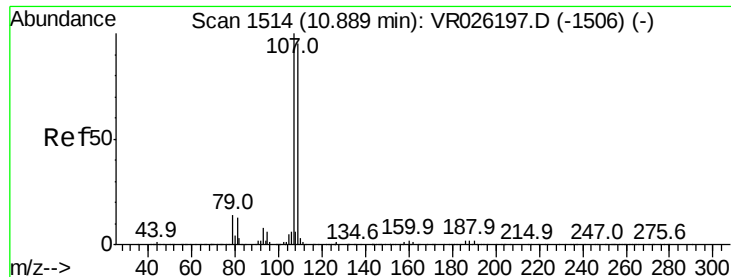
Tgt Ion:	43	Resp:	448234
Ion	Ratio	Lower	Upper
43	100		
58	49.7	39.6	59.4
57	17.3	14.0	21.0
100	8.5	7.0	10.6



#49
Dibromochloromethane
Concen: 5.154 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion:	129	Resp:	101929
Ion	Ratio	Lower	Upper
129	100		
127	82.3	55.0	102.2





#50

1,2-Dibromoethane

Concen: 5.003 ug/L

RT: 10.89 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

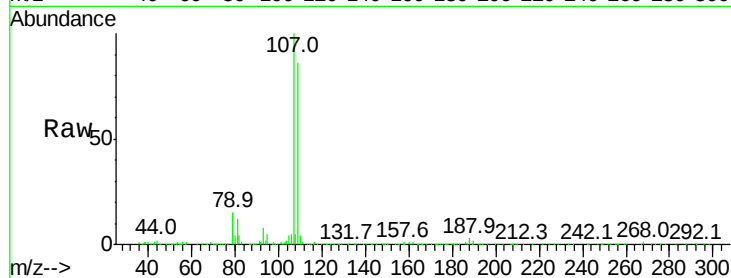
Tgt Ion:107 Resp: 75966

Ion Ratio Lower Upper

107 100

109 86.2 58.7 109.1

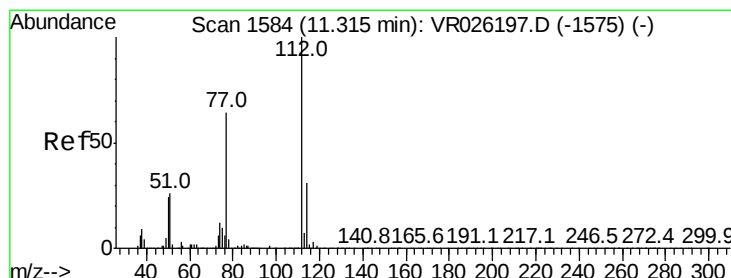
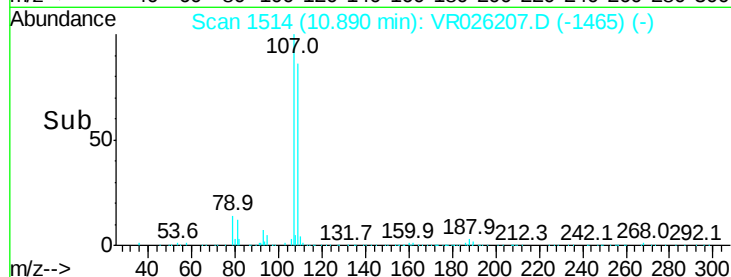
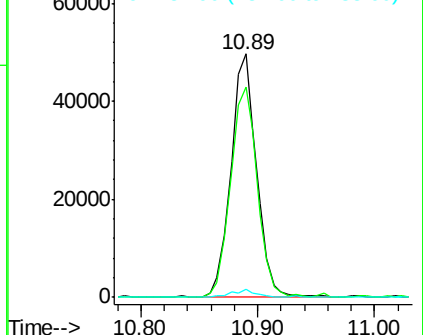
188 3.4 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.840 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

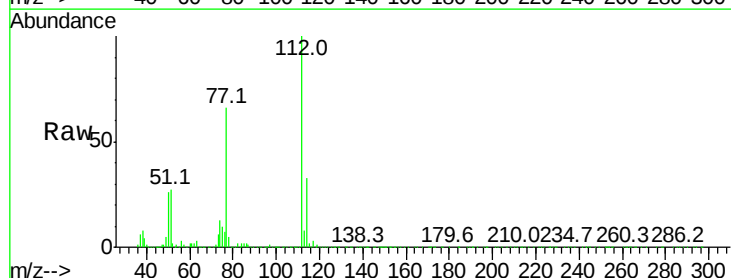
Tgt Ion:112 Resp: 558498

Ion Ratio Lower Upper

112 100

114 32.7 22.8 42.4

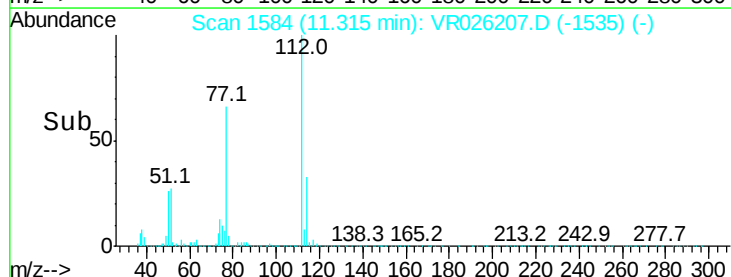
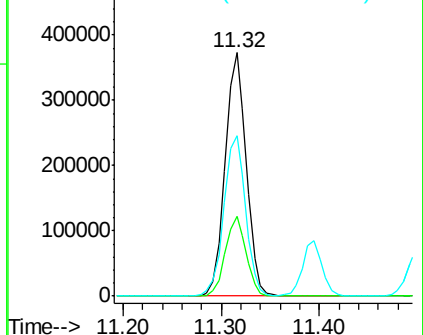
77 66.0 51.5 77.3

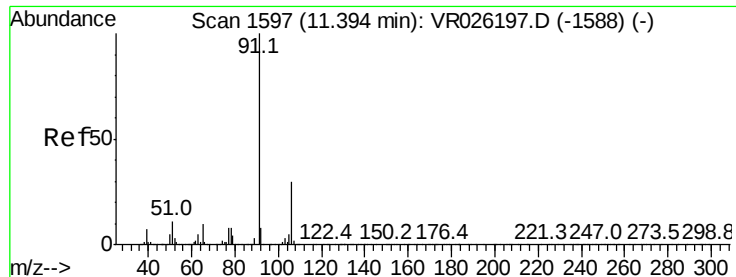


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR





#52

Ethylbenzene

Concen: 5.099 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

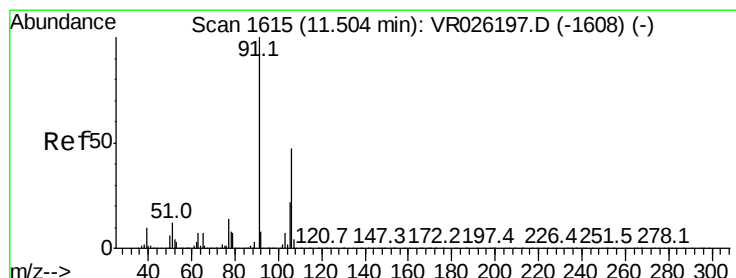
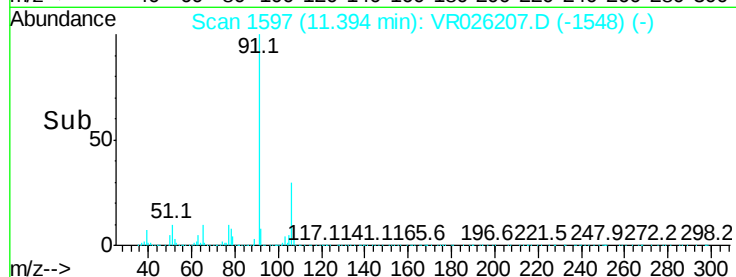
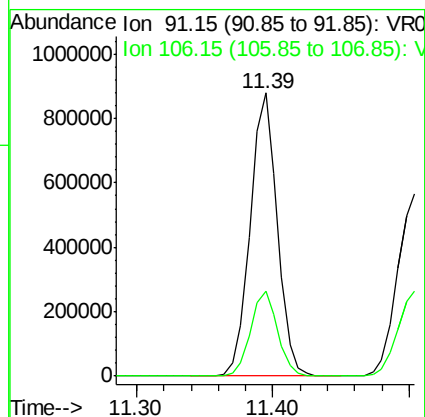
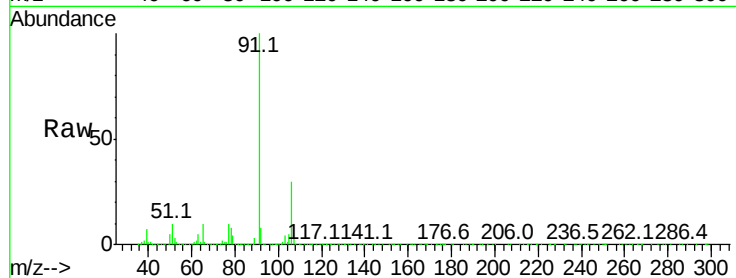
VSTD00588

Tgt Ion: 91 Resp: 1222128

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 5.045 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026207.D

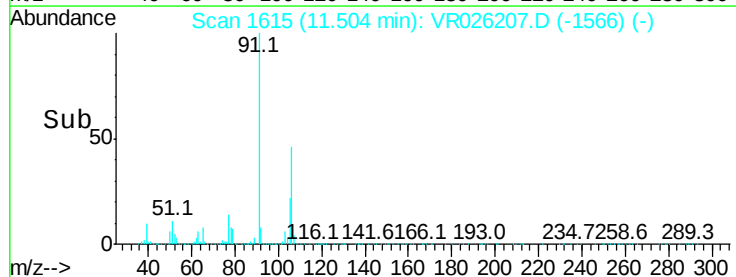
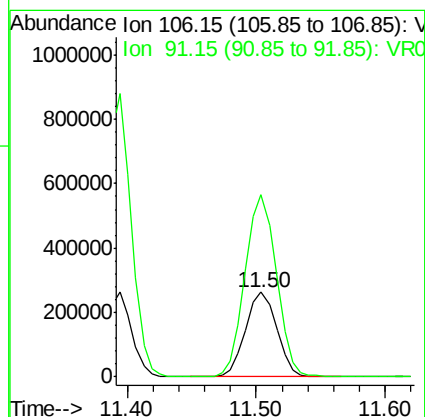
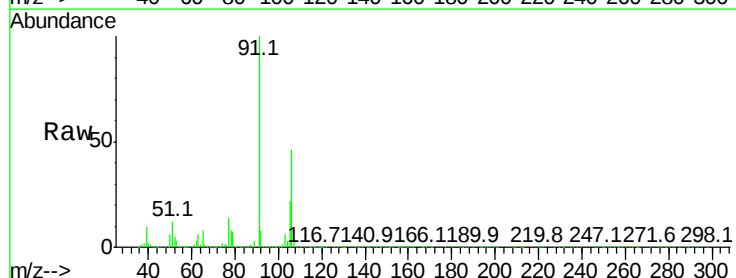
Acq: 7 Nov 2018 17:42

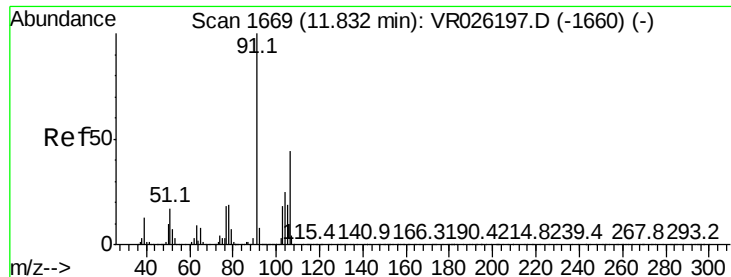
Tgt Ion: 106 Resp: 440605

Ion Ratio Lower Upper

106 100

91 216.1 145.3 269.8

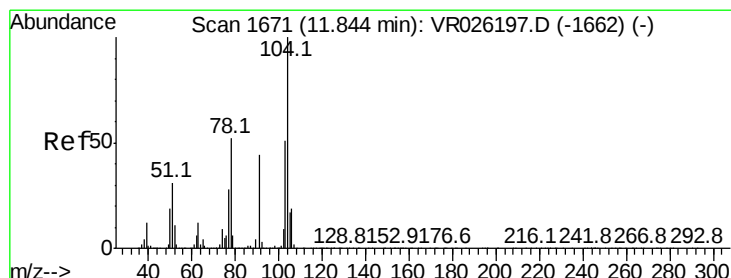
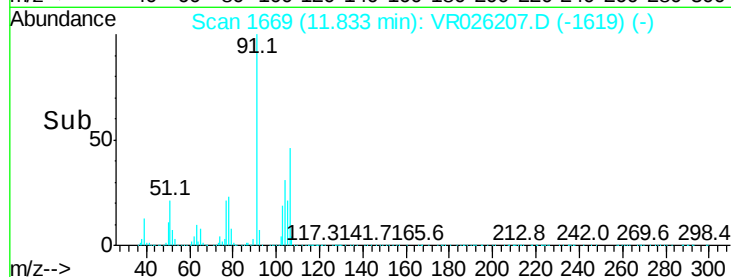
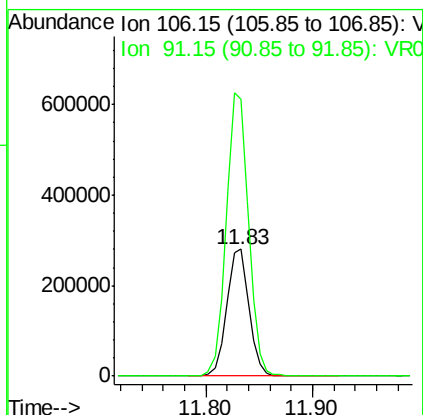
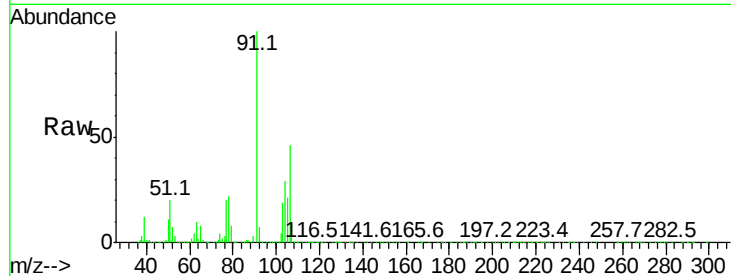




#54
o-Xylene
Concen: 5.119 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

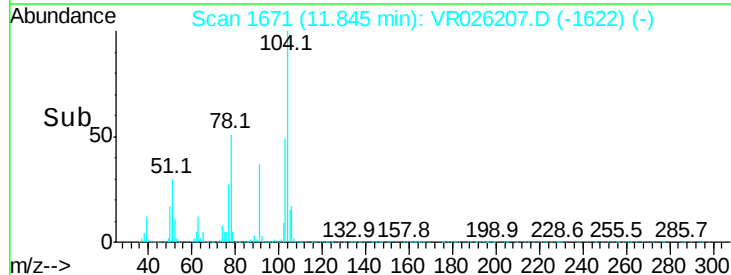
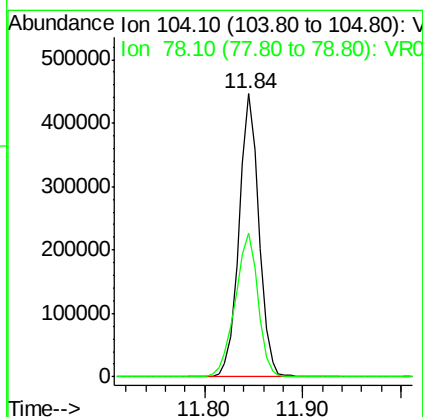
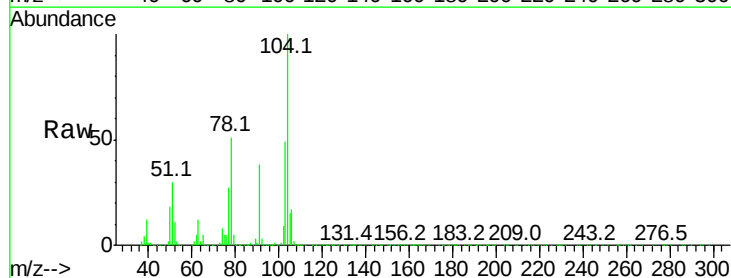
Instrument :
MSVOA_R
ClientSampleId :
VSTD00588

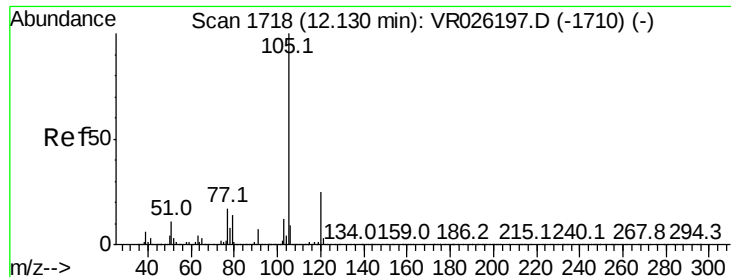
Tgt Ion:106 Resp: 409868
Ion Ratio Lower Upper
106 100
91 217.5 155.8 289.3



#55
Styrene
Concen: 5.114 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026207.D
Acq: 7 Nov 2018 17:42

Tgt Ion:104 Resp: 630154
Ion Ratio Lower Upper
104 100
78 50.9 34.7 64.5





#56

Isopropylbenzene

Concen: 5.255 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

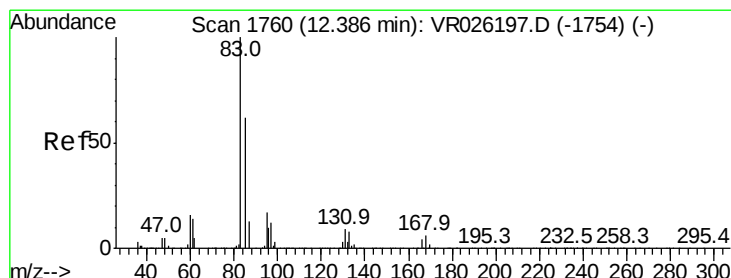
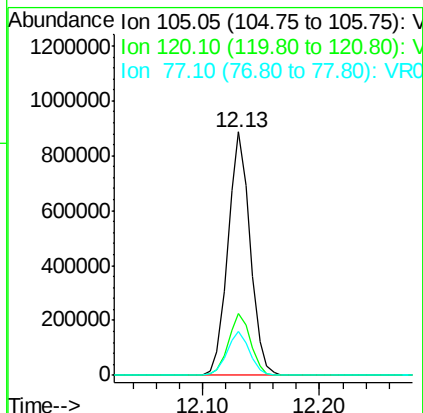
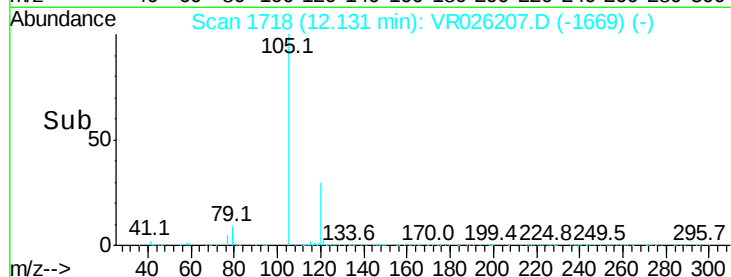
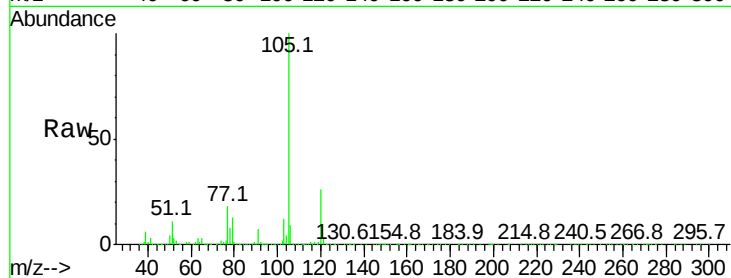
Tgt Ion:105 Resp: 1168647

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

77 18.3 14.6 21.8



#58

1,1,2,2-Tetrachloroethane

Concen: 4.843 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

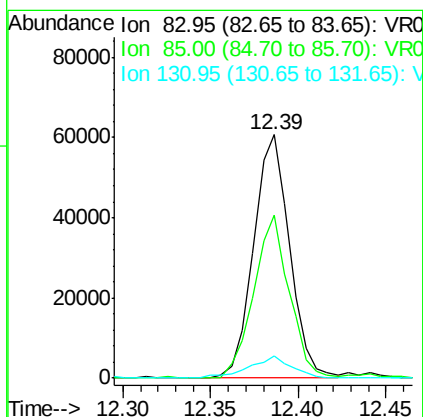
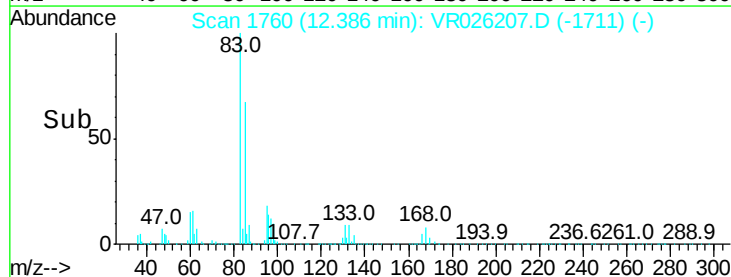
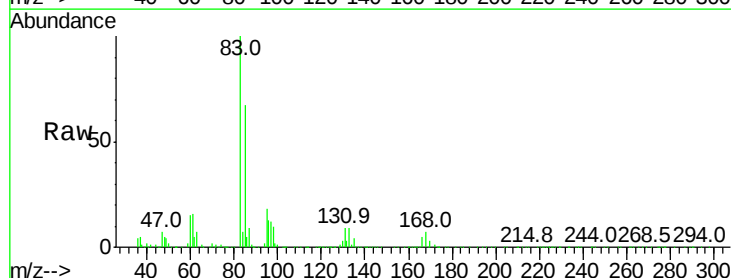
Tgt Ion: 83 Resp: 86499

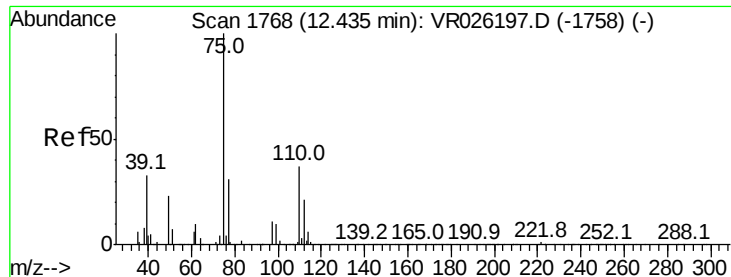
Ion Ratio Lower Upper

83 100

85 66.9 44.0 81.8

131 9.2 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 4.877 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

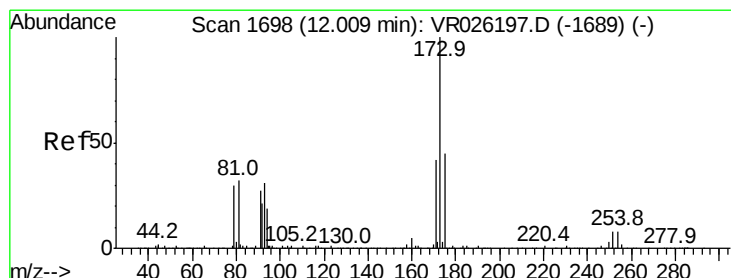
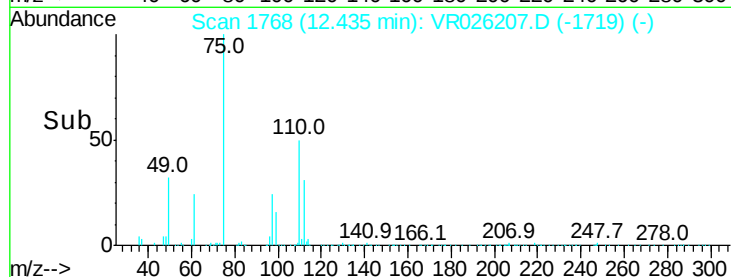
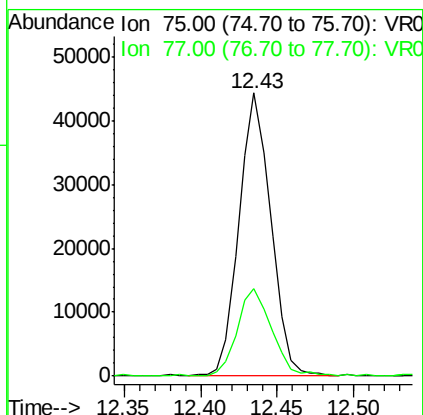
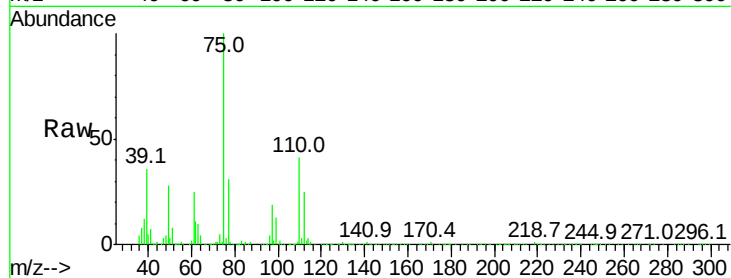
VSTD00588

Tgt Ion: 75 Resp: 63962

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2



#61

Bromoform

Concen: 5.185 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

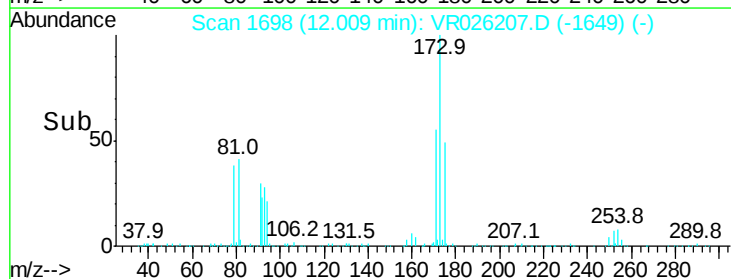
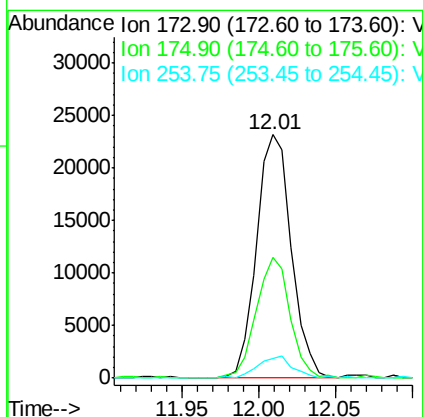
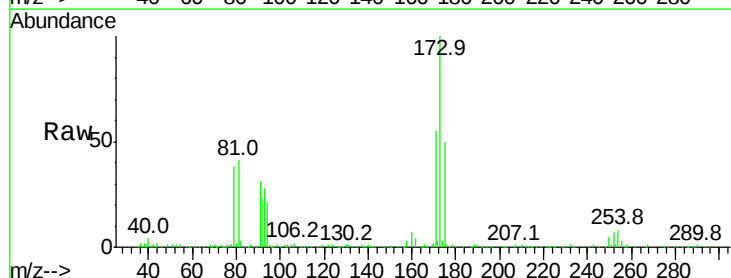
Tgt Ion: 173 Resp: 36754

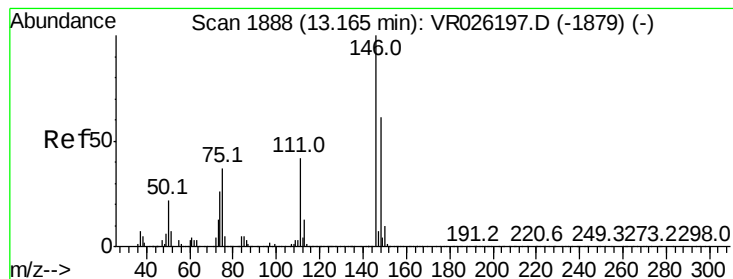
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 9.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.056 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

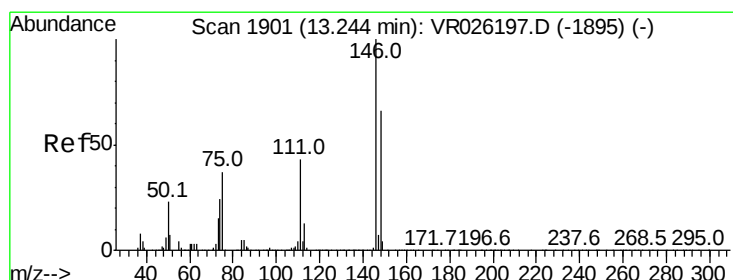
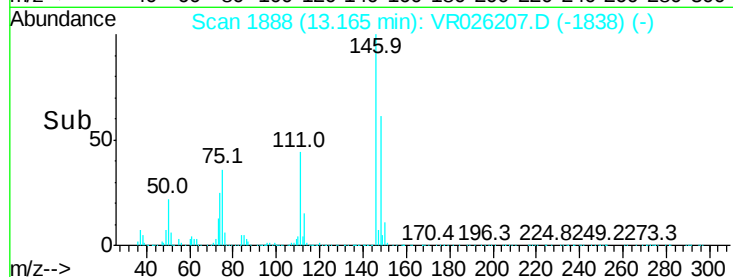
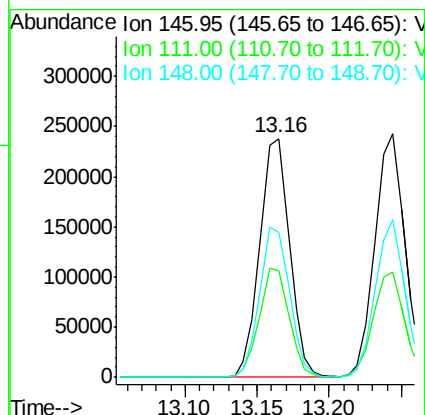
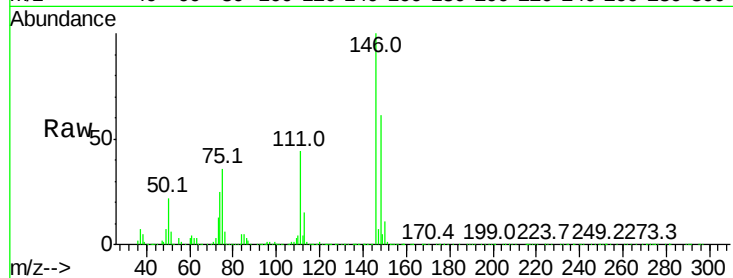
Tgt Ion:146 Resp: 342564

Ion Ratio Lower Upper

146 100

111 44.5 32.1 59.7

148 60.9 43.8 81.3



#63

1,4-Dichlorobenzene

Concen: 4.949 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

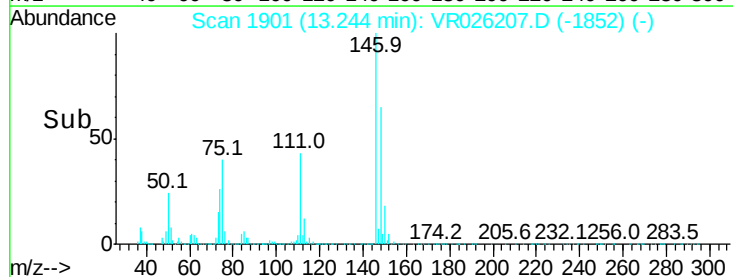
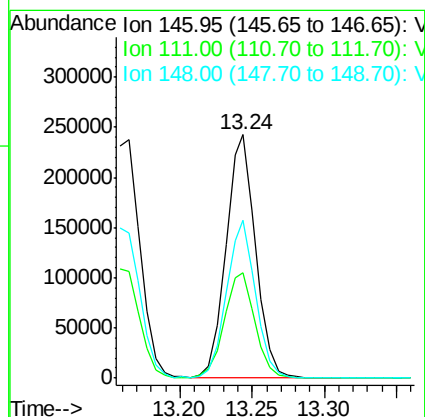
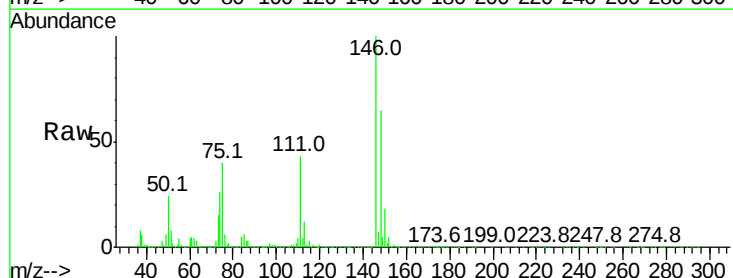
Tgt Ion:146 Resp: 347237

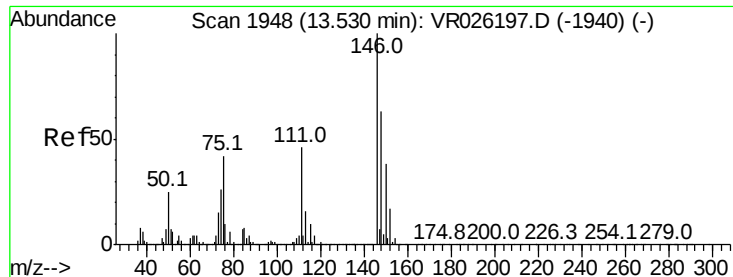
Ion Ratio Lower Upper

146 100

111 43.3 32.6 60.6

148 64.8 46.7 86.7





#65

1,2-Dichlorobenzene

Concen: 5.111 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampled :

VSTD00588

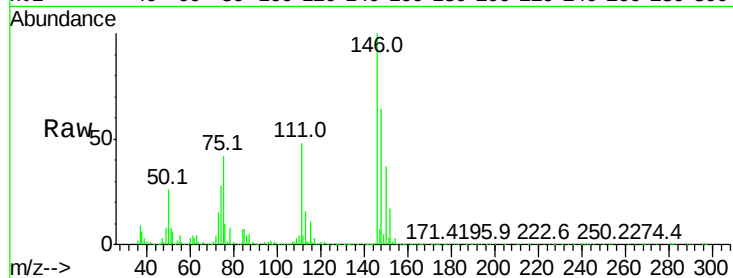
Tgt Ion:146 Resp: 277915

Ion Ratio Lower Upper

146 100

111 48.3 35.2 52.8

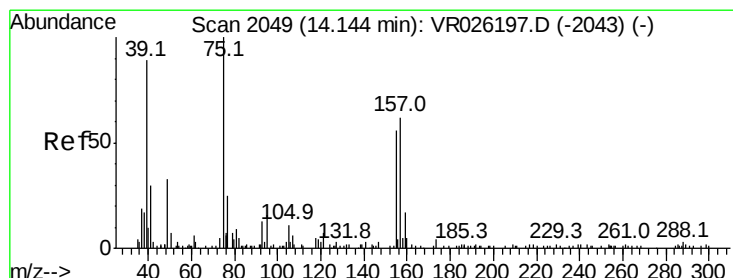
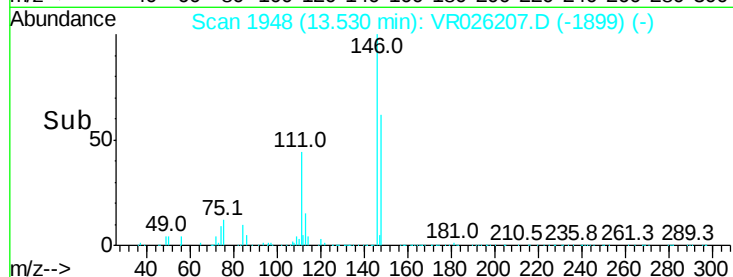
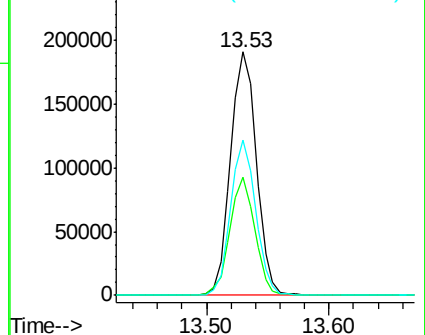
148 63.9 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.502 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

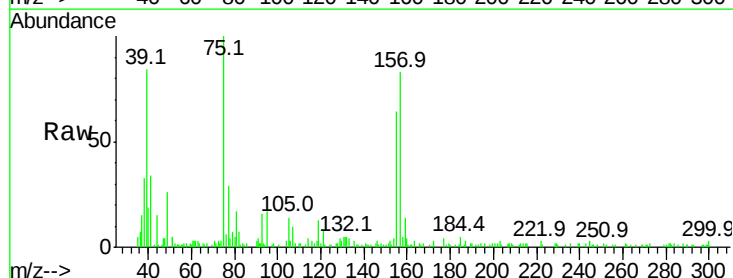
Tgt Ion: 75 Resp: 9974

Ion Ratio Lower Upper

75 100

155 64.4 40.9 61.3#

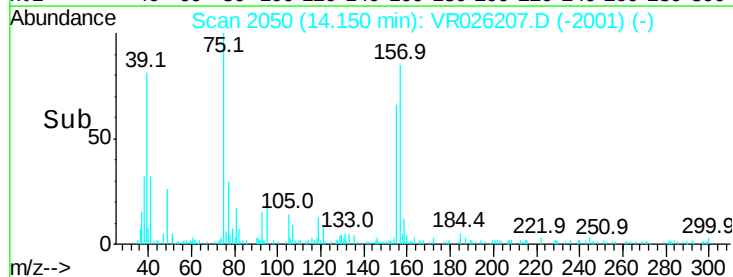
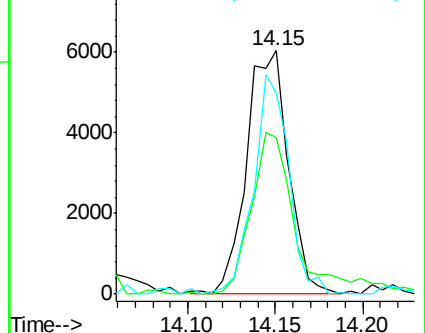
157 82.9 67.3 100.9

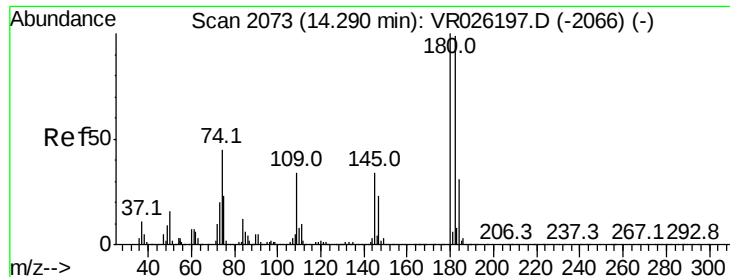


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

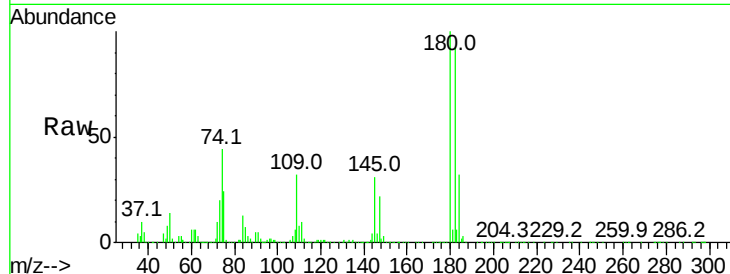




#67
 1,3,5-Trichlorobenzene
 Concen: 5.319 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Tgt Ion:	180	Resp:	219568
Ion Ratio	Lower	Upper	
180	100		
182	95.1	77.5	116.3
184	30.4	25.0	37.4
145	33.2	27.6	41.4

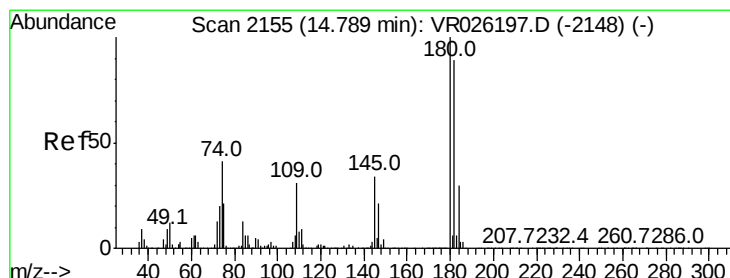
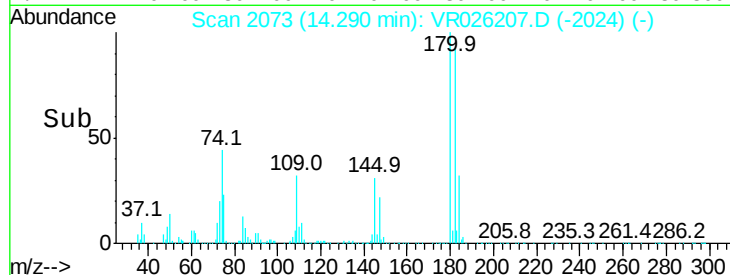
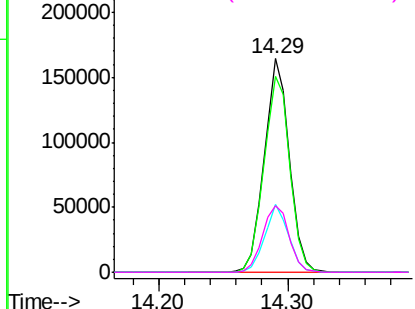


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

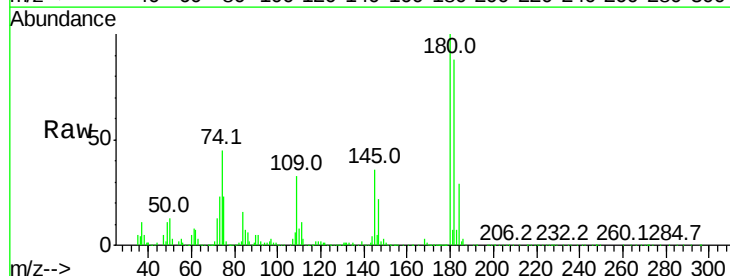
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.723 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026207.D
 Acq: 7 Nov 2018 17:42

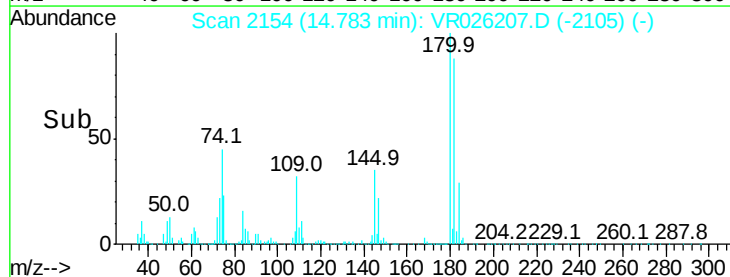
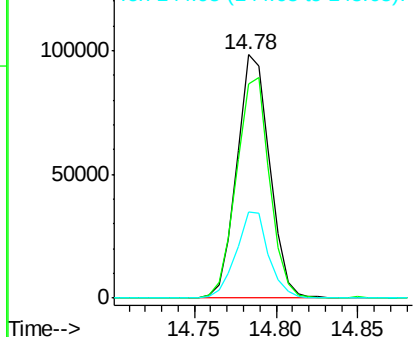
Tgt Ion:	180	Resp:	137901
Ion Ratio	Lower	Upper	
180	100		
182	91.6	76.1	114.1
145	34.8	28.2	42.4

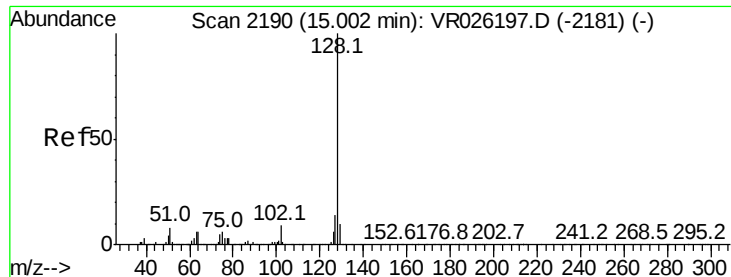


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.690 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

Instrument :

MSVOA_R

ClientSampleId :

VSTD00588

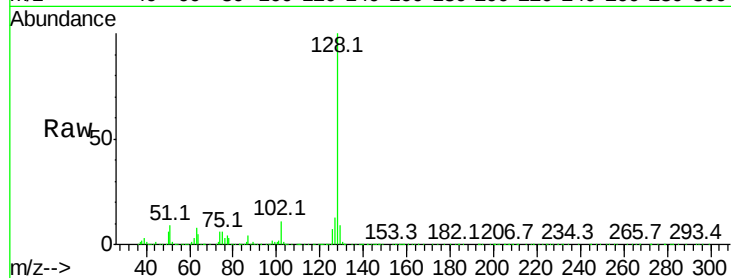
Tgt Ion:128 Resp: 156516

Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.6

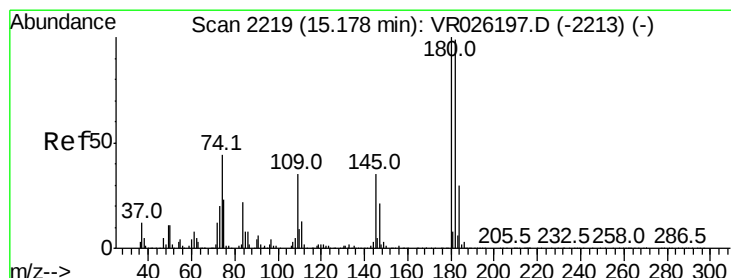
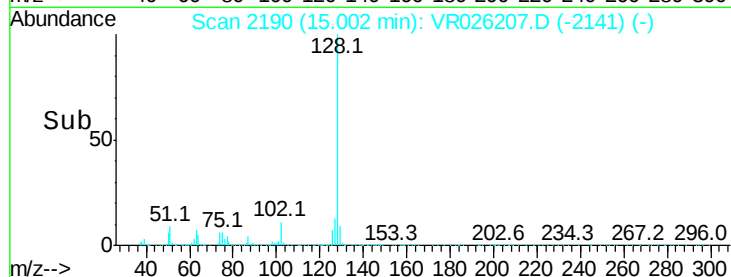
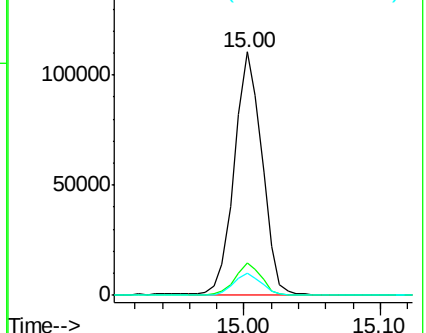
129 9.4 9.1 13.7



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: 5.704 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026207.D

Acq: 7 Nov 2018 17:42

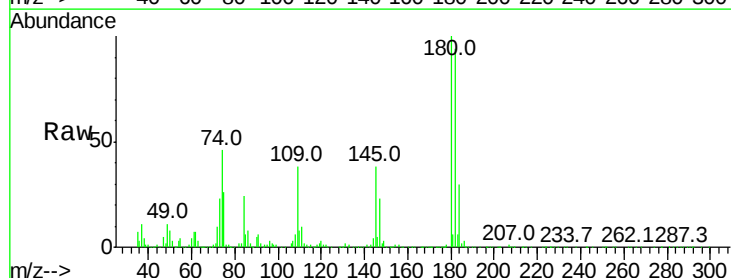
Tgt Ion:180 Resp: 95447

Ion Ratio Lower Upper

180 100

182 92.5 75.7 113.5

145 35.6 28.8 43.2



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

