

Data File : VR026209.D
Acq On : 8 Nov 2018 11:01
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

Quant Time: Nov 08 14:18:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	617193	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	509817	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	197200	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	265949	4.92	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	2.63	69	235700	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	3.61	63	644152	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	6.59	46	199370	44.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.92%
24) Chloroform-d	7.20	84	420673	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	7.90	65	166825	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	7.85	84	852727	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	8.90	67	210462	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	9.97	98	823506	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
43) trans-1,3-Dichloropropene-	10.24	79	52846	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	10.59	63	158426	49.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81586	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	150266	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	186111	4.489 ug/L	97
3) Chloromethane	2.02	50	284868	4.327 ug/L	95
5) Vinyl chloride	2.17	62	289511	4.414 ug/L	97
6) Bromomethane	2.53	94	193678	4.471 ug/L	94
8) Chloroethane	2.66	64	182706	4.496 ug/L	96
9) Trichlorofluoromethane	2.94	101	183190	1.935 ug/L #	18
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	271054	4.802 ug/L	99
12) 1,1-Dichloroethene	3.63	96	281141	4.684 ug/L	94
13) Acetone	3.70	43	207581	45.281 ug/L	98
14) Carbon disulfide	3.94	76	739136	4.711 ug/L	100
15) Methyl Acetate	4.20	43	48639	4.062 ug/L	95
16) Methylene chloride	4.41	84	219646	4.036 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	223693	4.105 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	213526	4.704 ug/L	98
19) 1,1-Dichloroethane	5.69	63	403548	4.736 ug/L	97
21) 2-Butanone	6.69	43	232837	44.026 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	202616	4.719 ug/L #	100

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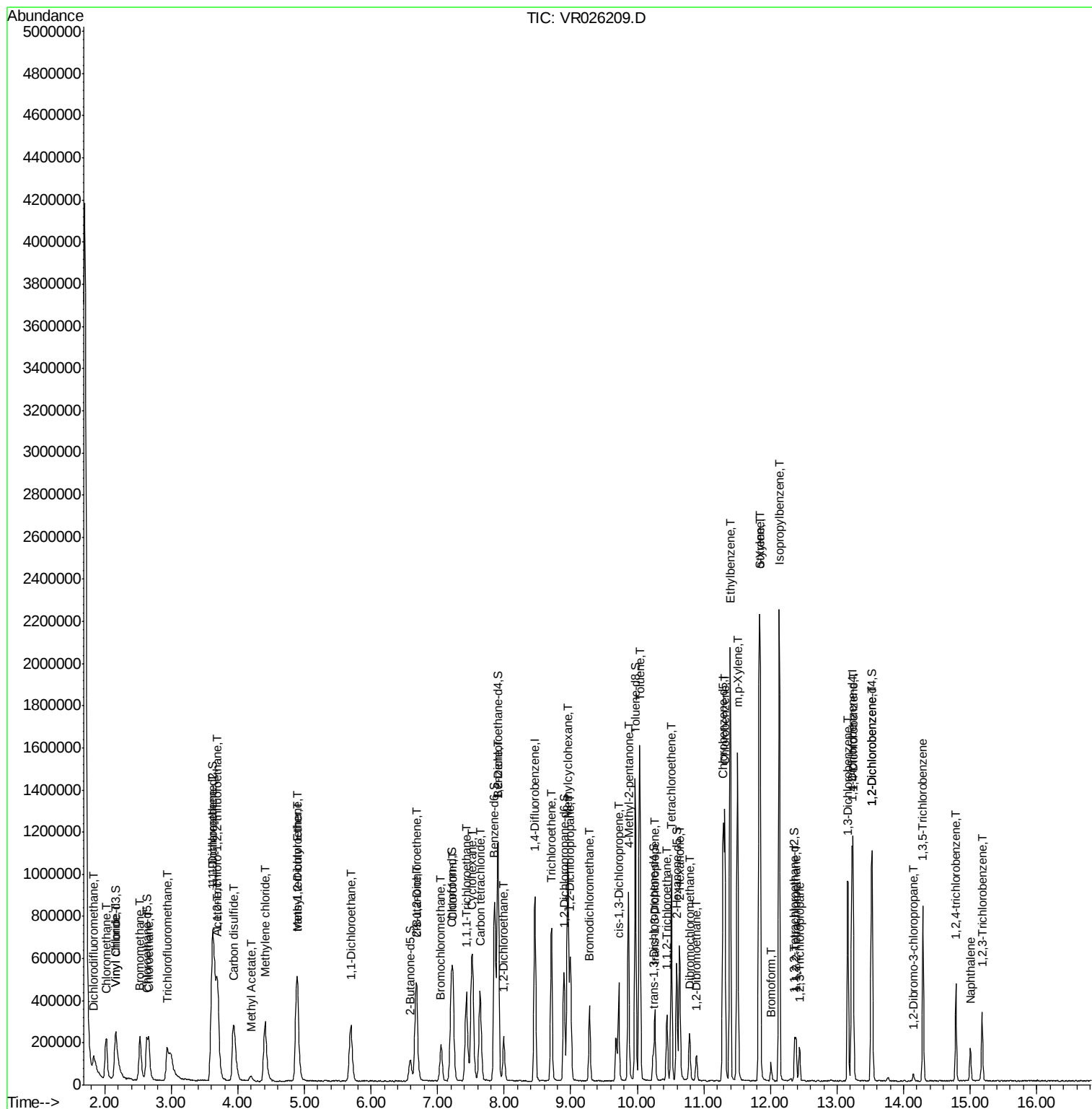
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	55376	4.598	ug/L	88
25) Chloroform	7.23	83	397668	4.782	ug/L	98
27) 1,2-Dichloroethane	7.99	62	177611	4.363	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	362252	5.200	ug/L	99
30) Cyclohexane	7.51	56	365156	5.222	ug/L	100
31) Carbon tetrachloride	7.63	117	324593	5.124	ug/L	99
33) Benzene	7.91	78	939374	4.911	ug/L	100
34) Trichloroethene	8.71	95	236977	4.840	ug/L	99
35) Methylcyclohexane	8.95	83	371581	5.098	ug/L	97
37) 1,2-Dichloropropane	9.00	63	192617	4.772	ug/L #	98
38) Bromodichloromethane	9.28	83	212607	4.898	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	229002	4.958	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	560079	45.440	ug/L	99
42) Toluene	10.04	91	1014965	5.027	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	156342	4.844	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	79612	4.677	ug/L	93
47) Tetrachloroethene	10.51	164	170035	4.863	ug/L	97
48) 2-Hexanone	10.63	43	376117	46.721	ug/L	99
49) Dibromochloromethane	10.79	129	95004	4.959	ug/L	98
50) 1,2-Dibromoethane	10.89	107	68125	4.632	ug/L #	95
51) Chlorobenzene	11.32	112	538135	4.815	ug/L	98
52) Ethylbenzene	11.39	91	1201448	5.175	ug/L	99
53) m,p-Xylene	11.50	106	429745	5.080	ug/L	100
54) o-Xylene	11.83	106	390137	5.031	ug/L	99
55) Styrene	11.84	104	600086	5.027	ug/L	100
56) Isopropylbenzene	12.13	105	1157243	5.373	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	75555	4.367	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	55967	4.406	ug/L	97
61) Bromoform	12.01	173	33317	4.861	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	314941	4.807	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	319632	4.711	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	247127	4.700	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7829	3.655	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	192534	4.823	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	104746	4.496	ug/L	99
69) Naphthalene	15.00	128	103486	4.574	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	75420	4.661	ug/L	96

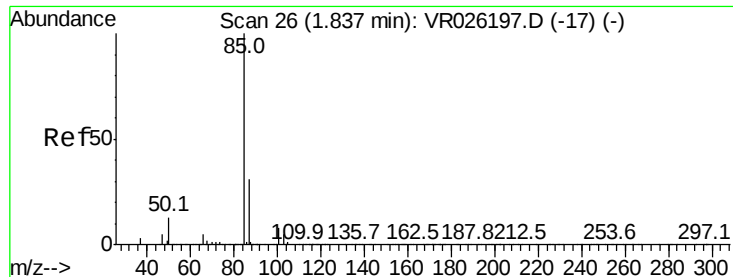
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.489 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

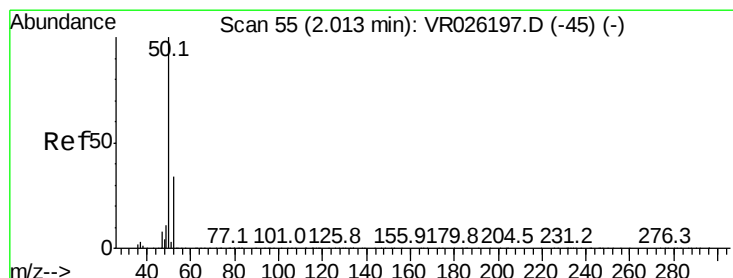
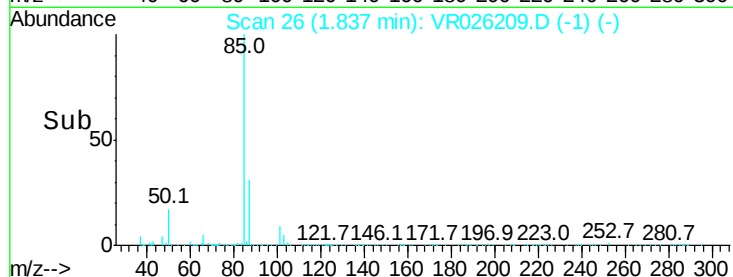
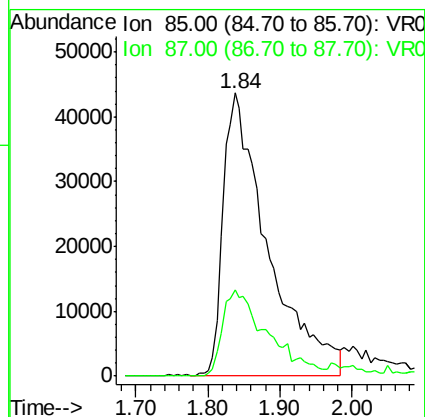
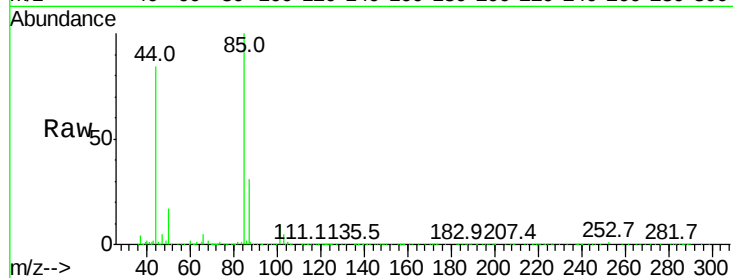
VSTD00589

Tgt Ion: 85 Resp: 186111

Ion Ratio Lower Upper

85 100

87 31.1 23.4 35.2



#3

Chloromethane

Concen: 4.327 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026209.D

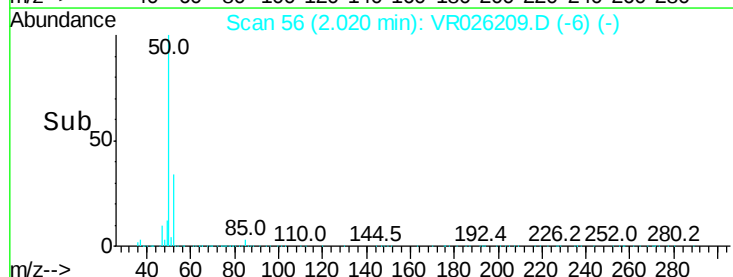
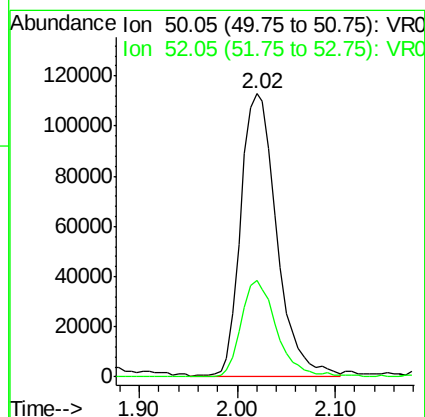
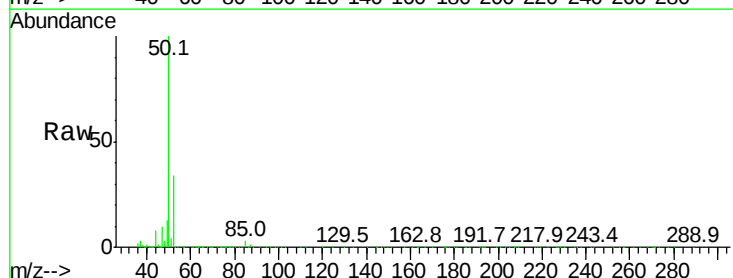
Acq: 8 Nov 2018 11:01

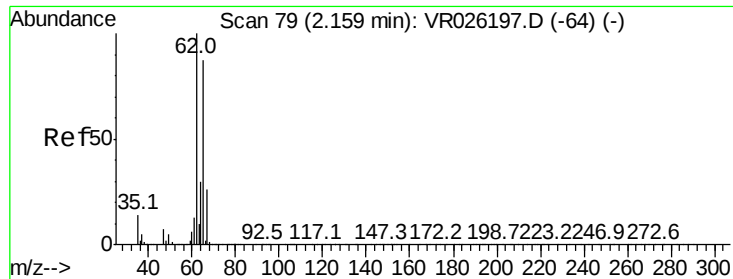
Tgt Ion: 50 Resp: 284868

Ion Ratio Lower Upper

50 100

52 34.3 22.0 40.8





#5

Vinyl chloride

Concen: 4.414 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

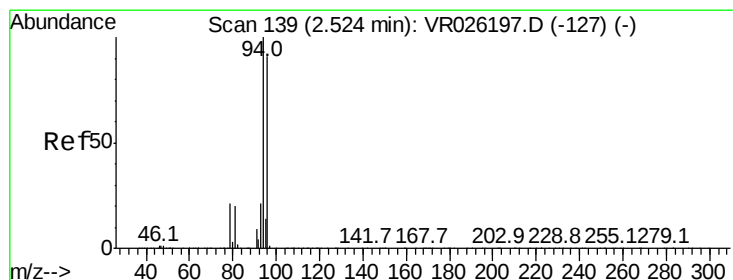
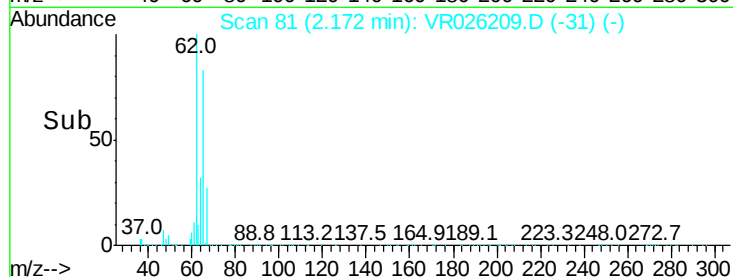
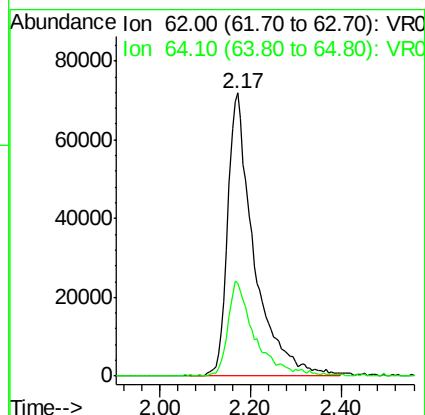
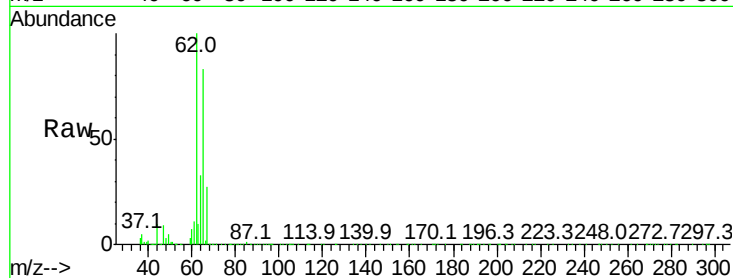
VSTD00589

Tgt Ion: 62 Resp: 289511

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.3



#6

Bromomethane

Concen: 4.471 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026209.D

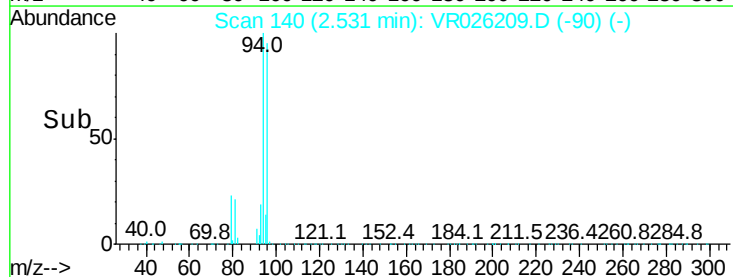
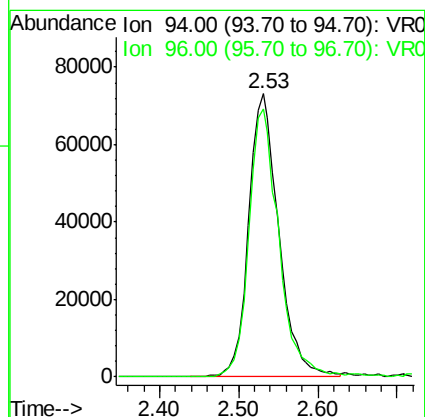
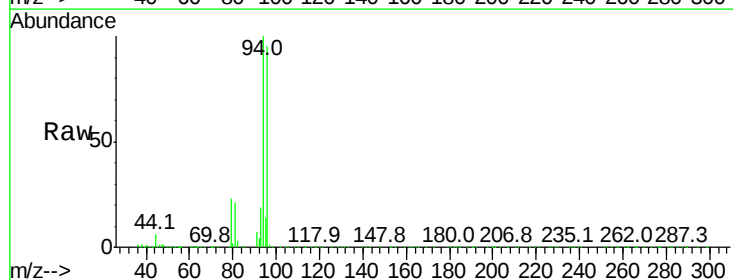
Acq: 8 Nov 2018 11:01

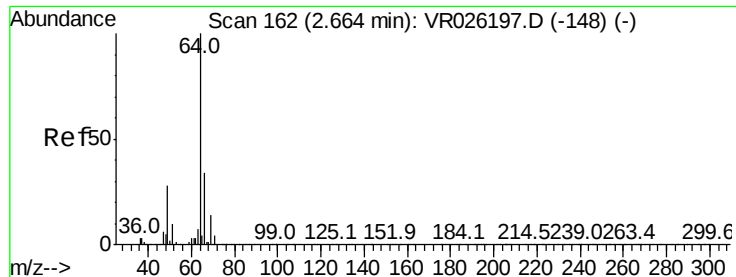
Tgt Ion: 94 Resp: 193678

Ion Ratio Lower Upper

94 100

96 94.7 62.5 116.1





#8

Chloroethane

Concen: 4.496 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

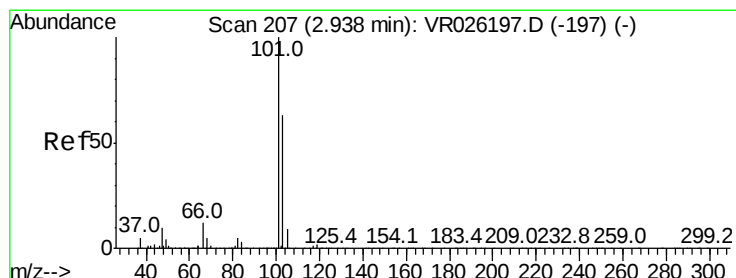
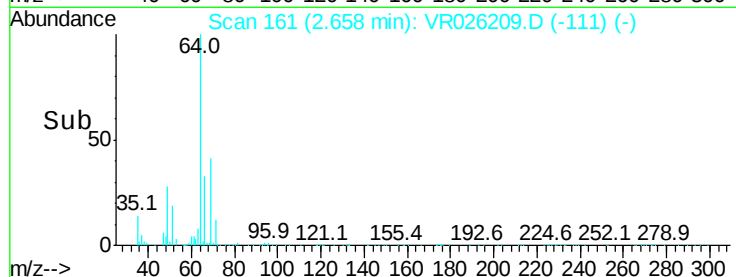
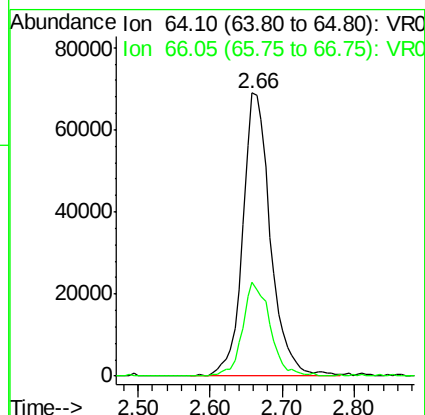
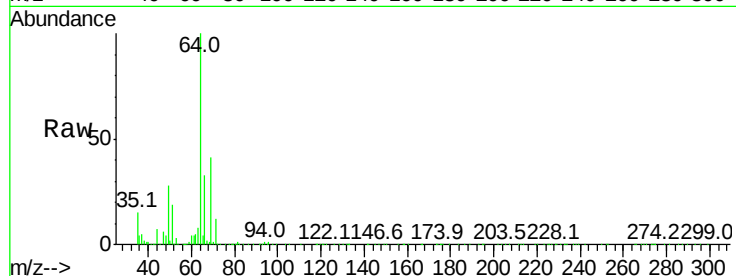
VSTD00589

Tgt Ion: 64 Resp: 182706

Ion Ratio Lower Upper

64 100

66 33.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 1.935 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR026209.D

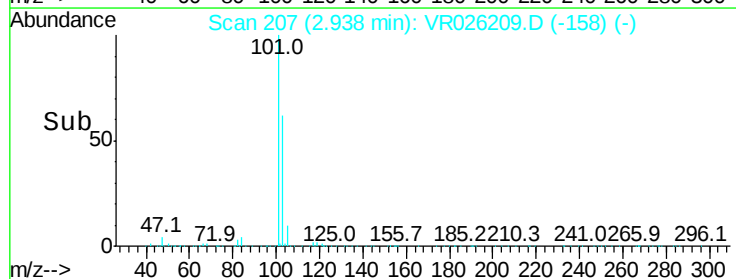
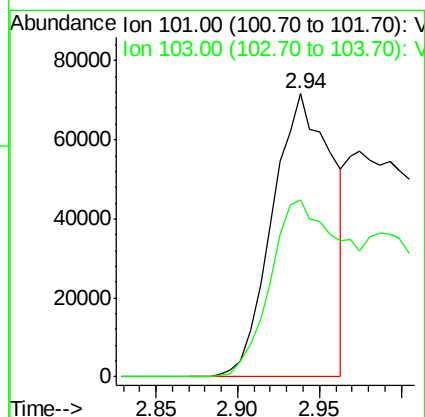
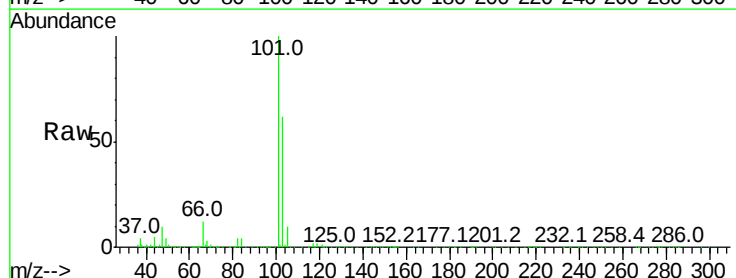
Acq: 8 Nov 2018 11:01

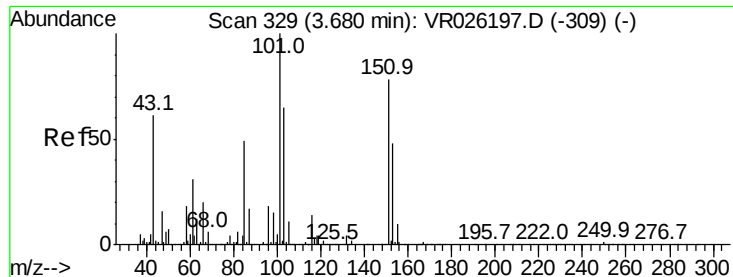
Tgt Ion: 101 Resp: 183190

Ion Ratio Lower Upper

101 100

103 78.3 26.0 39.0#





#10

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

Concen: 4.802 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

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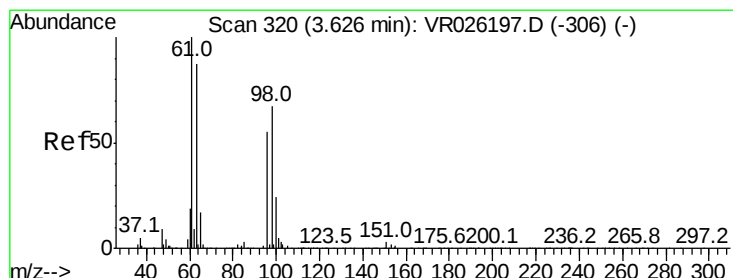
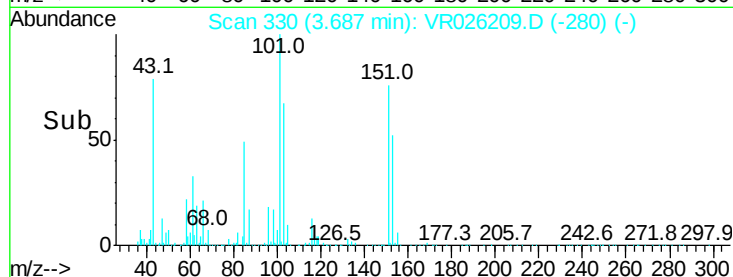
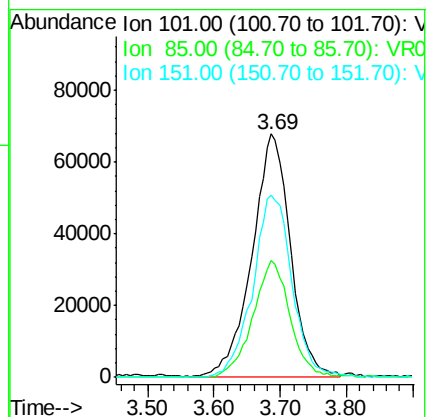
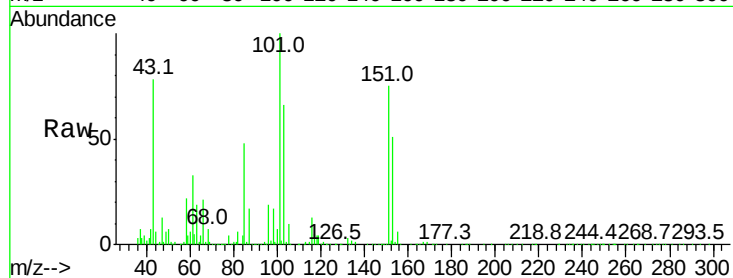
Tgt Ion:101 Resp: 271054

Ion Ratio Lower Upper

101 100

85 46.6 37.8 56.8

151 77.5 63.2 94.8



#12

1,1-Dichloroethene

Concen: 4.684 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

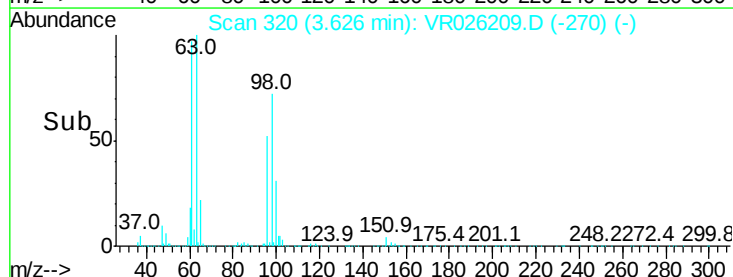
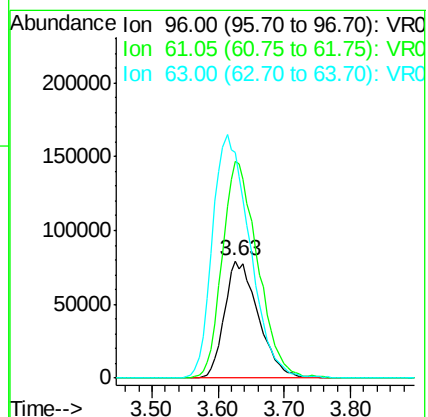
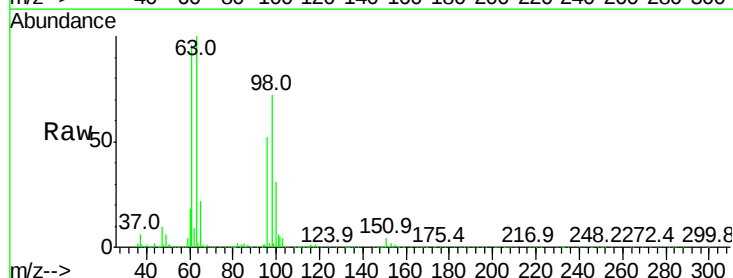
Tgt Ion: 96 Resp: 281141

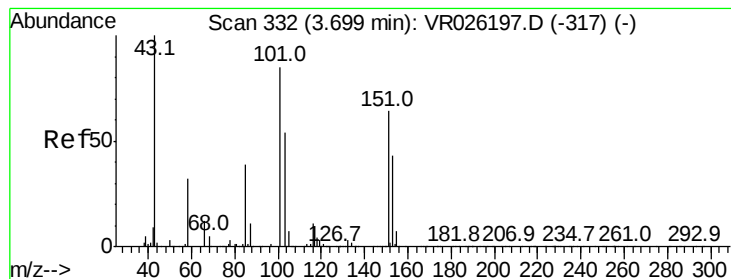
Ion Ratio Lower Upper

96 100

61 185.6 126.7 235.3

63 192.4 125.0 232.2





#13

Acetone

Concen: 45.281 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

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Acq: 8 Nov 2018 11:01

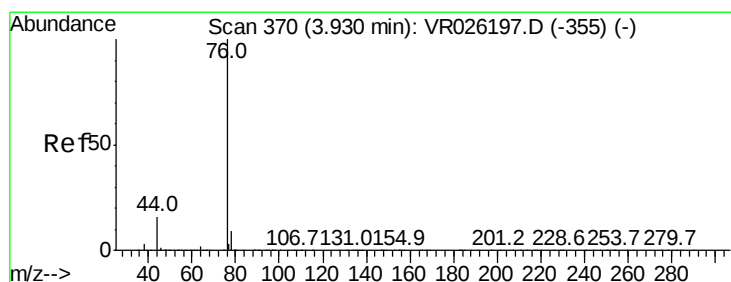
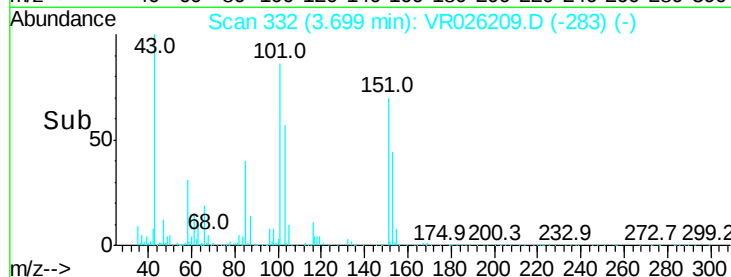
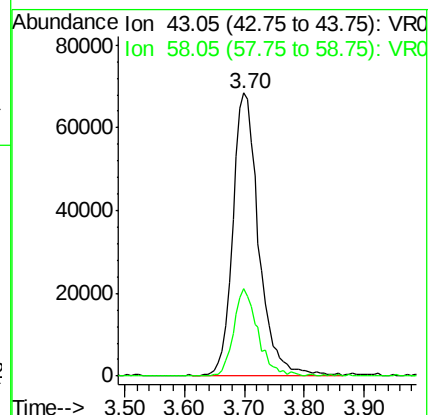
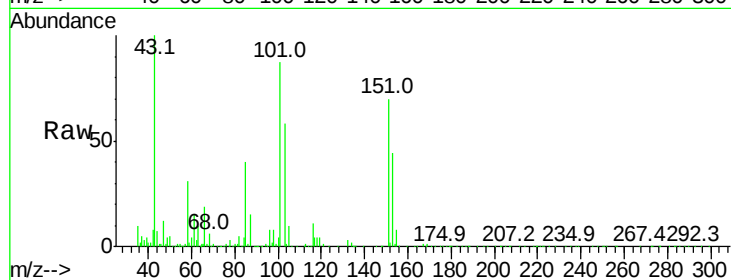
Instrument :
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Tgt Ion: 43 Resp: 207581

Ion Ratio Lower Upper

43 100

58 28.7 0.0 55.4



#14

Carbon disulfide

Concen: 4.711 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026209.D

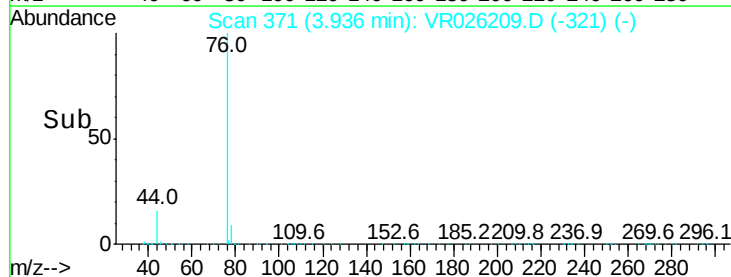
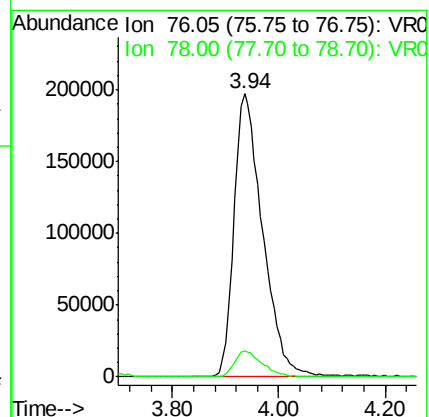
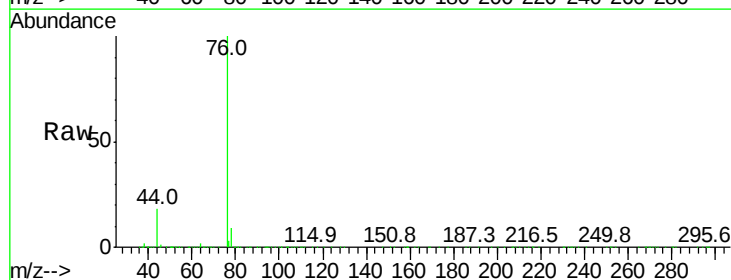
Acq: 8 Nov 2018 11:01

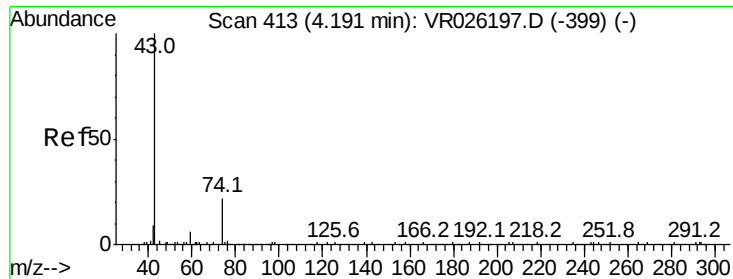
Tgt Ion: 76 Resp: 739136

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4

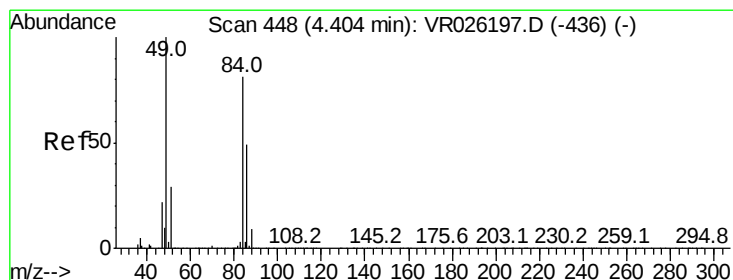
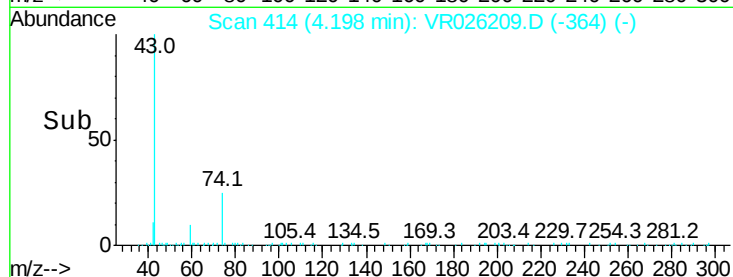
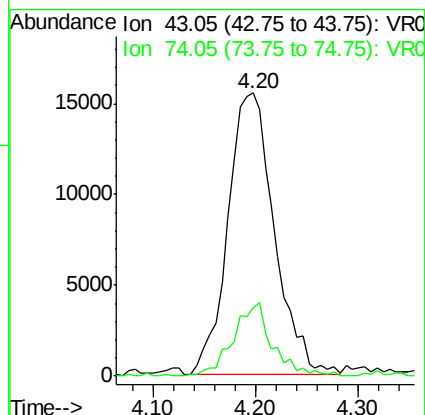
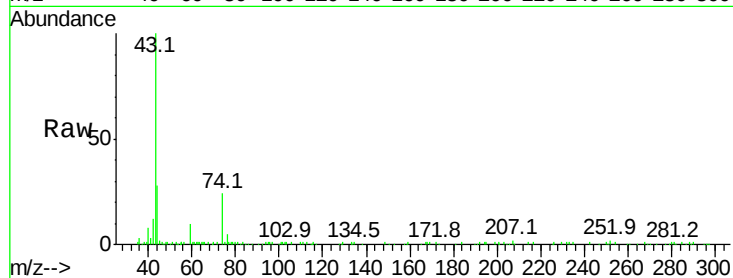




#15
Methyl Acetate
Concen: 4.062 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

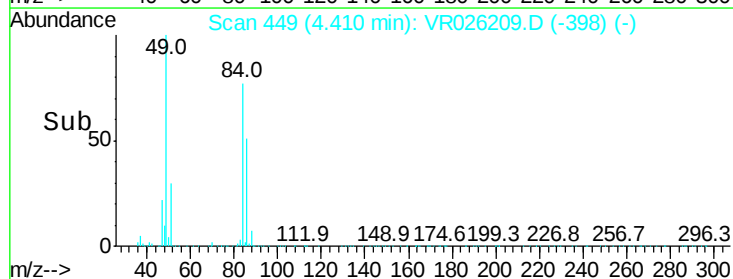
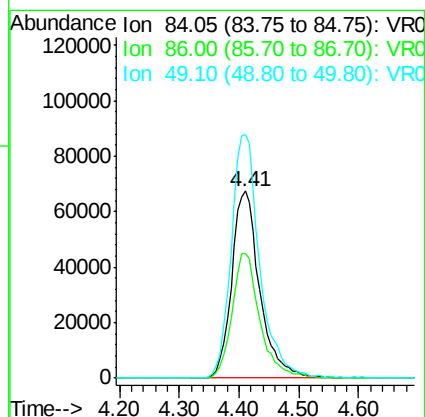
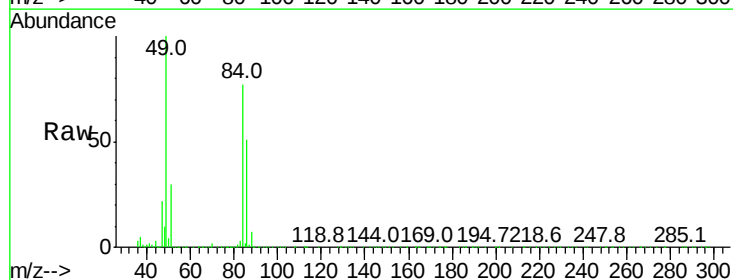
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

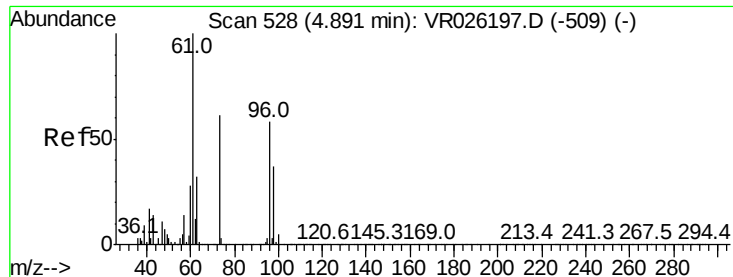
Tgt Ion: 43 Resp: 48639
Ion Ratio Lower Upper
43 100
74 22.3 19.8 29.8



#16
Methylene chloride
Concen: 4.036 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.01 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Tgt Ion: 84 Resp: 219646
Ion Ratio Lower Upper
84 100
86 66.4 43.0 79.8
49 130.1 89.1 165.5





#17

Methyl tert-butyl Ether

Concen: 4.105 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

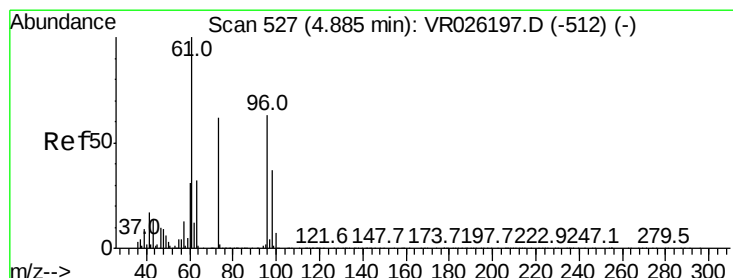
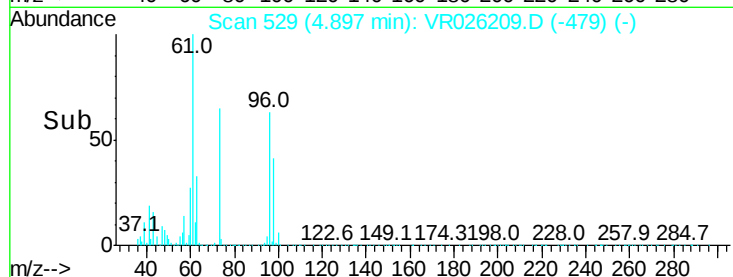
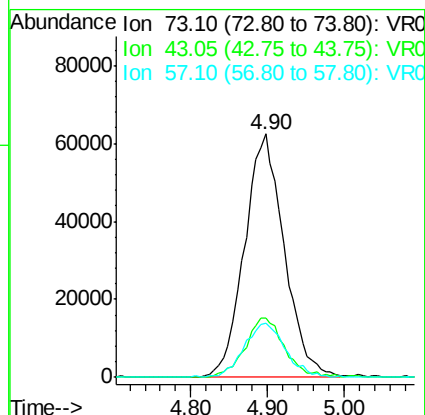
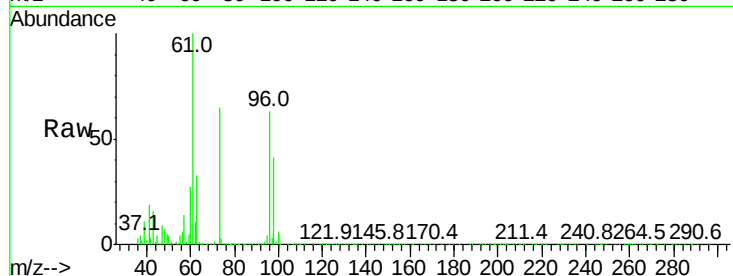
Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

Tgt Ion: 73 Resp: 223693

Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.1	30.1
57	22.5	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 4.704 ug/L

RT: 4.88 min Scan# 527

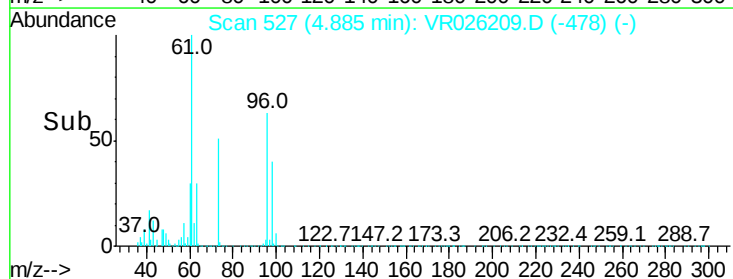
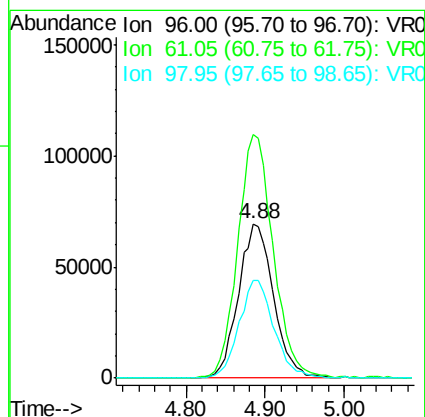
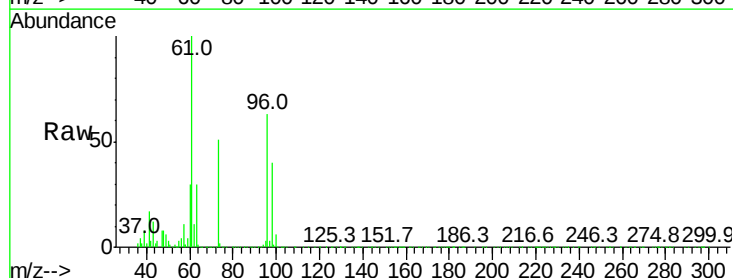
Delta R.T. 0.00 min

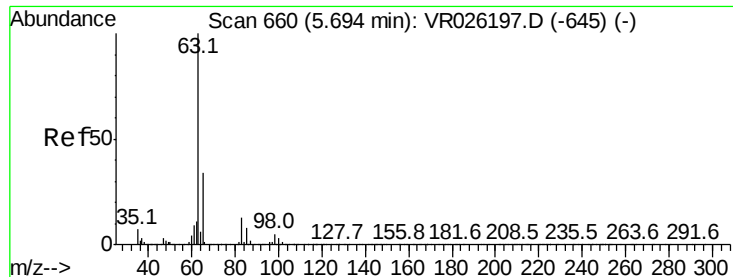
Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Tgt Ion: 96 Resp: 213526

Ion	Ratio	Lower	Upper
96	100		
61	157.8	111.4	206.8
98	62.9	41.4	77.0

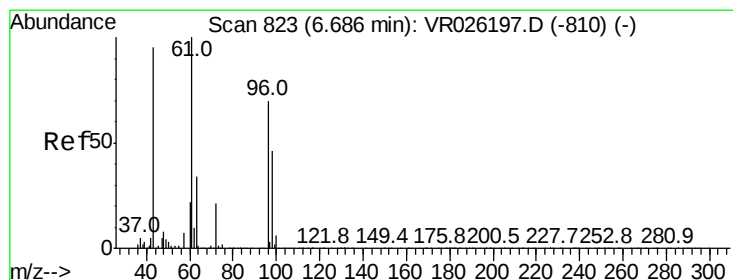
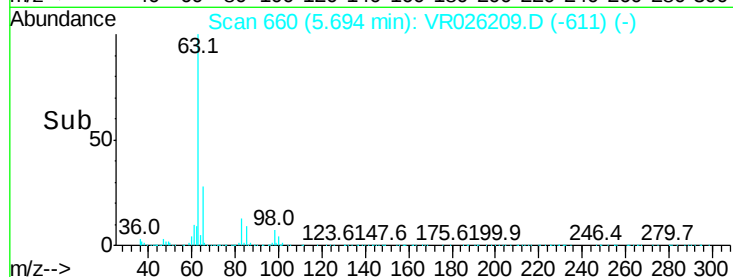
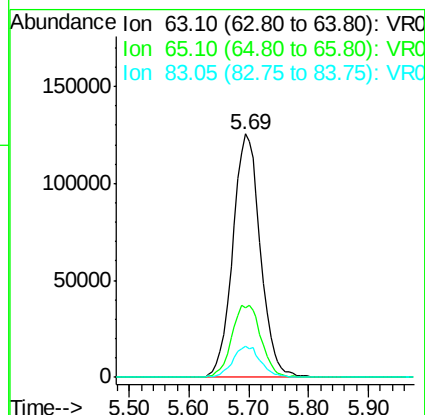
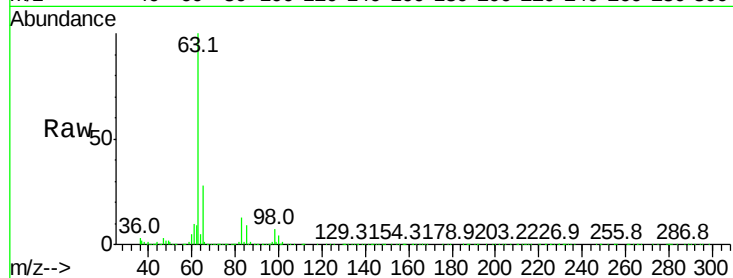




#19
 1,1-Dichloroethane
 Concen: 4.736 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

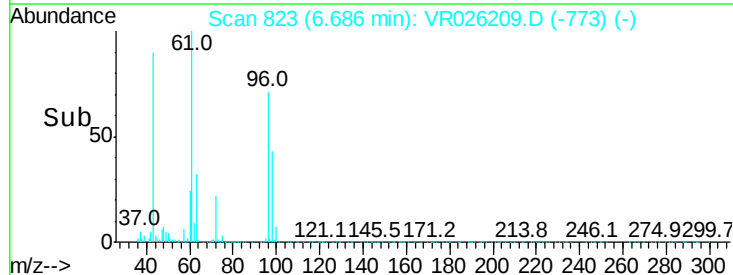
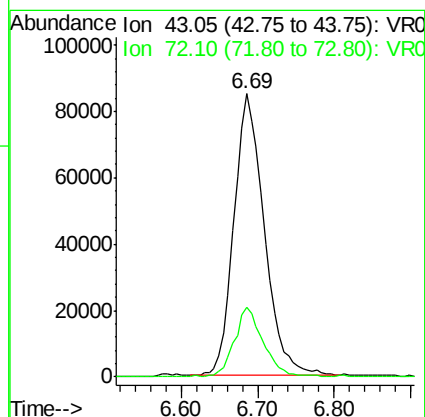
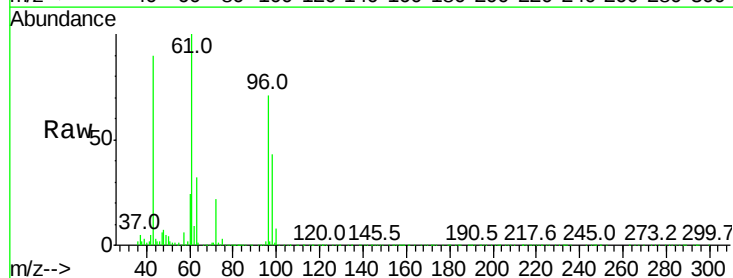
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

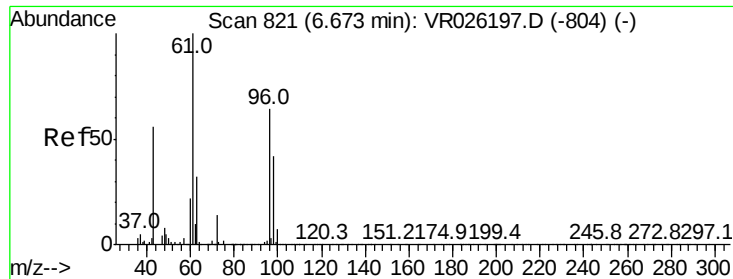
Tgt Ion: 63 Resp: 403548
 Ion Ratio Lower Upper
 63 100
 65 28.4 21.2 39.4
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 44.026 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Tgt Ion: 43 Resp: 232837
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.3 36.8



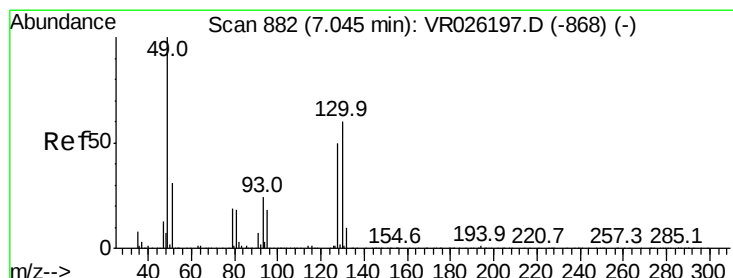
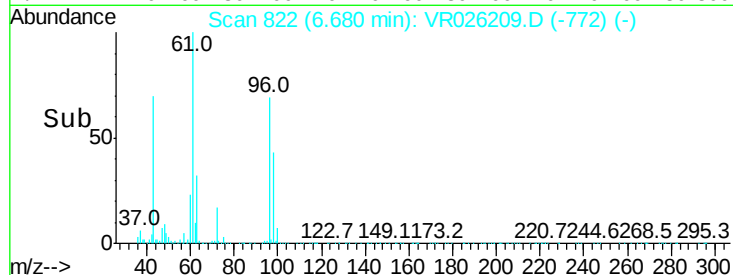
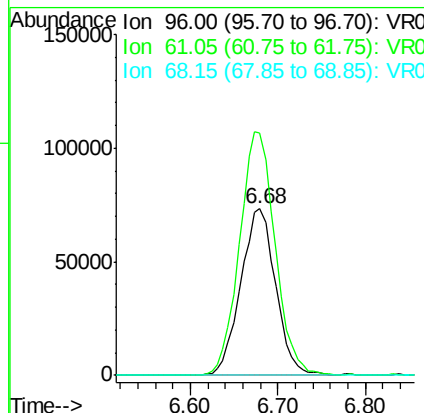
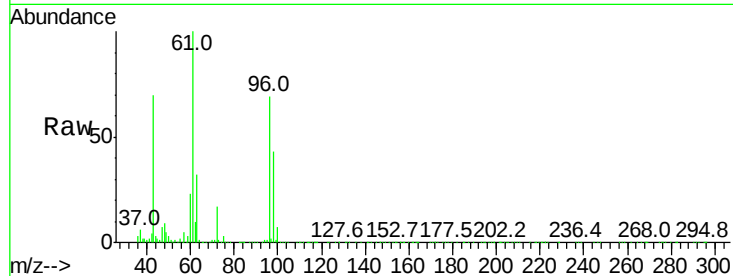


#22

cis-1,2-Dichloroethene
Concen: 4.719 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Instrument :
MSVOA_R
ClientSampleID :
VSTD00589

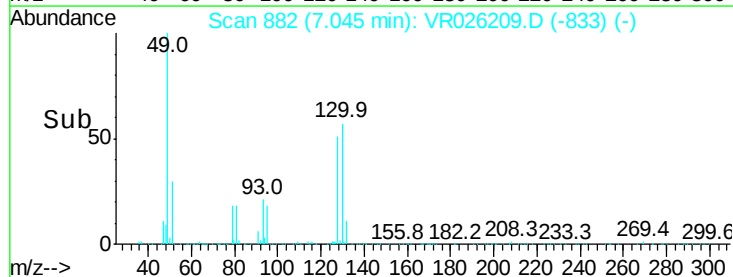
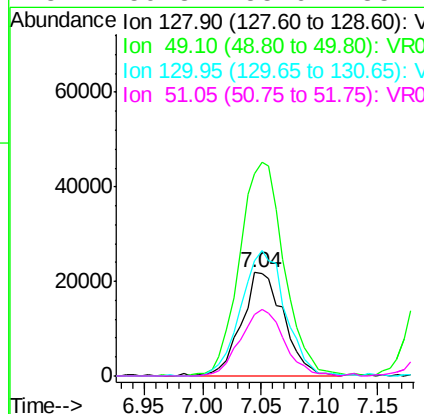
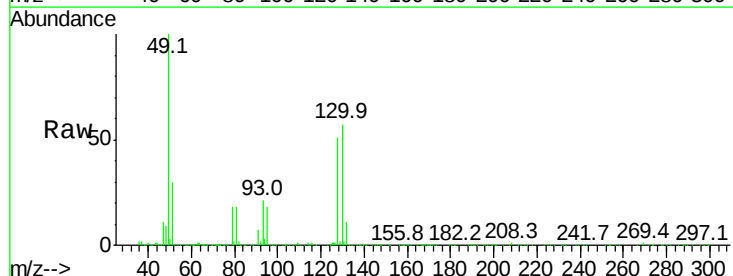
Tgt Ion: 96 Resp: 202616
Ion Ratio Lower Upper
96 100
61 145.6 101.8 189.0
68 0.0 0.1 0.3#

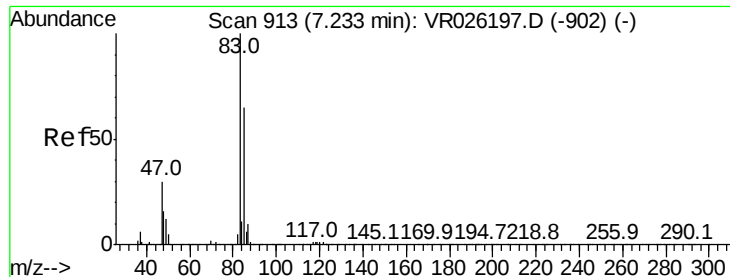


#23

Bromochloromethane
Concen: 4.598 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Tgt Ion: 128 Resp: 55376
Ion Ratio Lower Upper
128 100
49 195.4 146.2 271.4
130 111.7 92.5 171.7
51 59.3 55.6 83.4





#25

Chloroform

Concen: 4.782 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

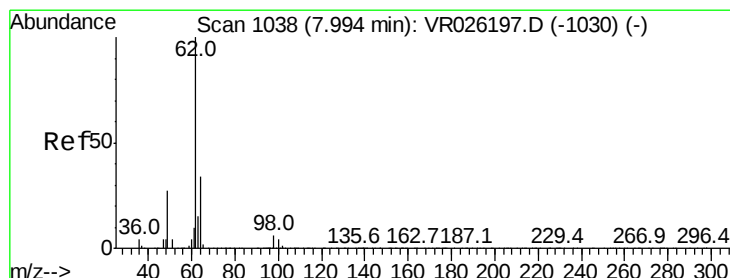
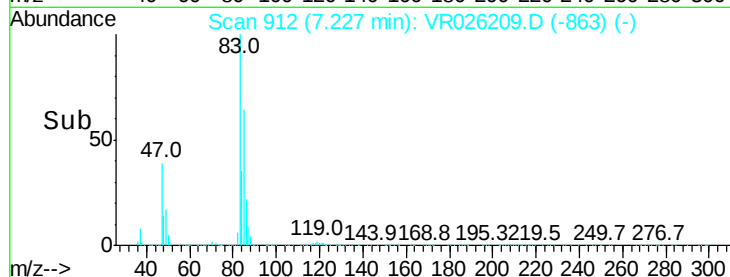
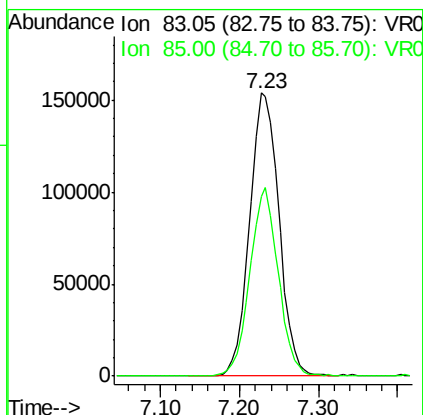
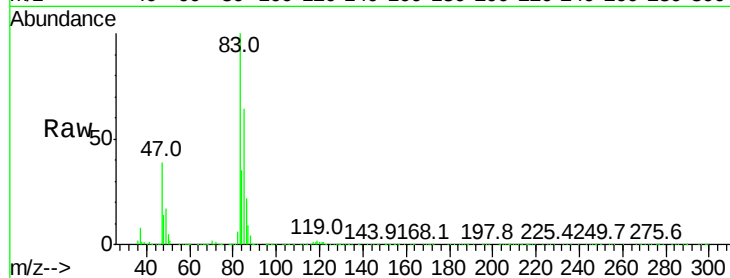
VSTD00589

Tgt Ion: 83 Resp: 397668

Ion Ratio Lower Upper

83 100

85 63.5 43.5 80.7



#27

1,2-Dichloroethane

Concen: 4.363 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VR026209.D

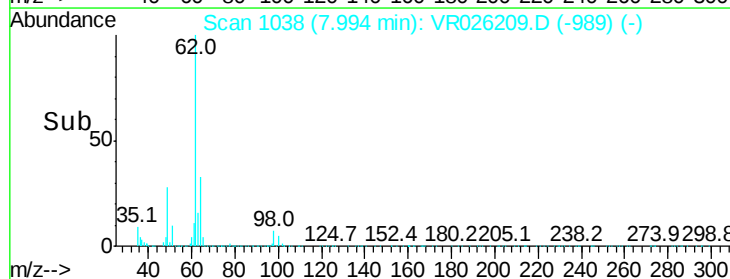
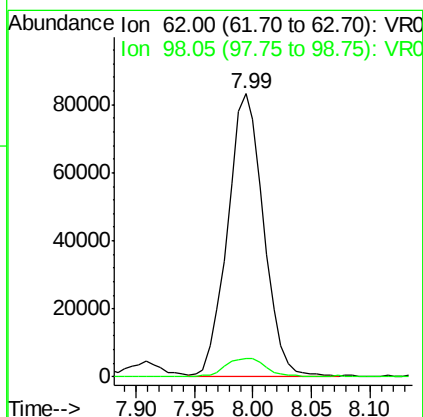
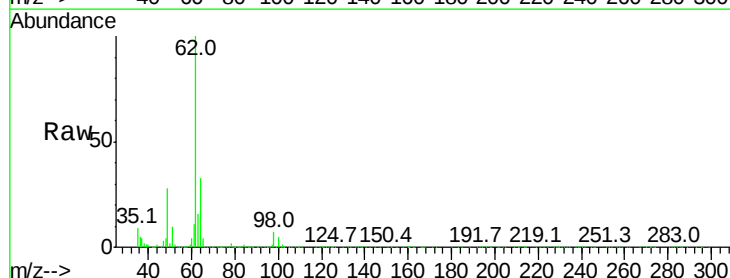
Acq: 8 Nov 2018 11:01

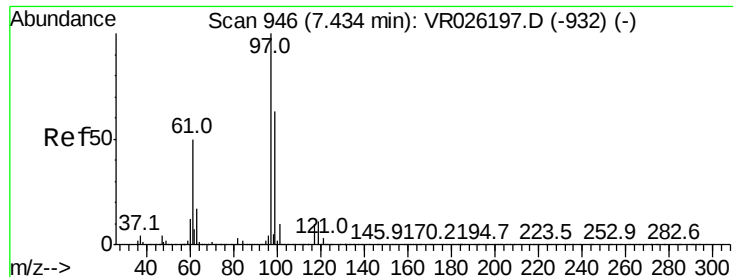
Tgt Ion: 62 Resp: 177611

Ion Ratio Lower Upper

62 100

98 6.6 5.6 8.4

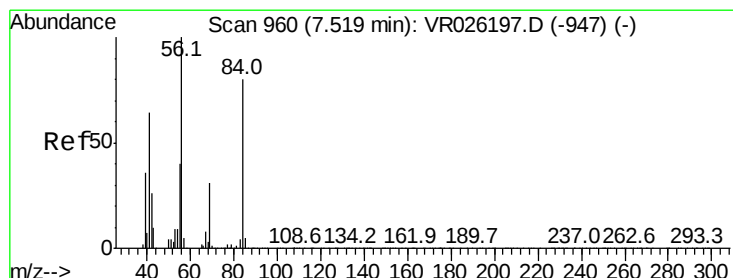
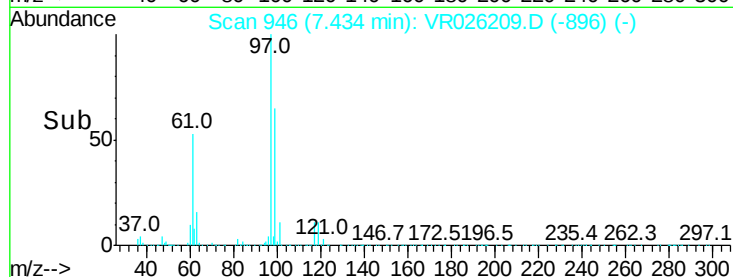
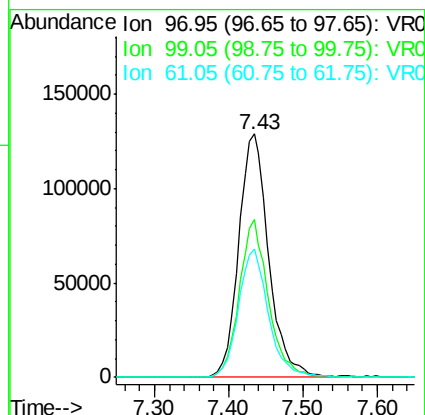
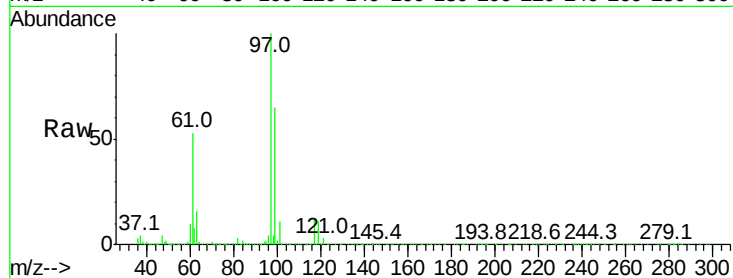




#29
 1,1,1-Trichloroethane
 Concen: 5.200 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

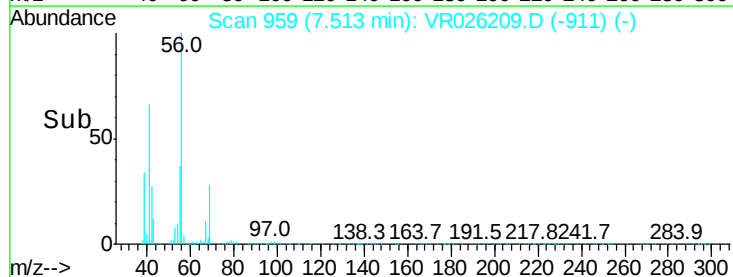
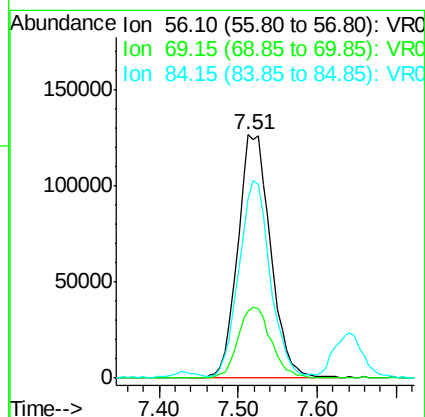
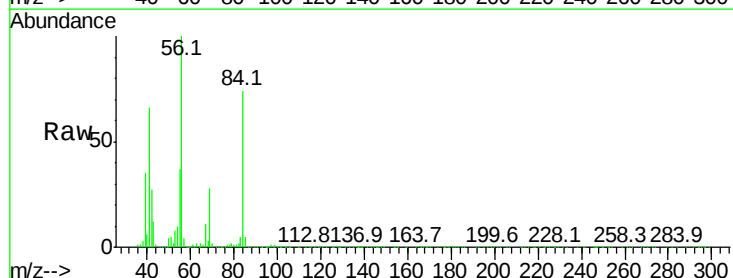
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

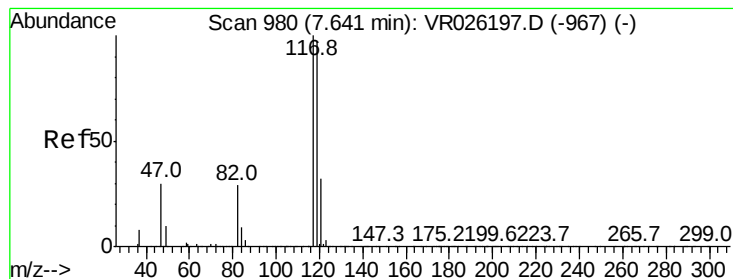
Tgt Ion: 97 Resp: 362252
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.1 76.7
 61 53.1 42.1 63.1



#30
 Cyclohexane
 Concen: 5.222 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Tgt Ion: 56 Resp: 365156
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.8 35.8
 84 77.8 62.2 93.4





#31

Carbon tetrachloride

Concen: 5.124 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

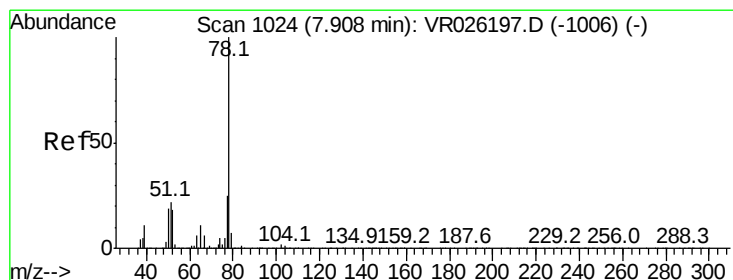
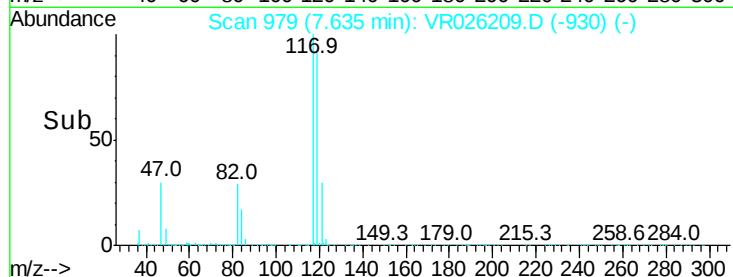
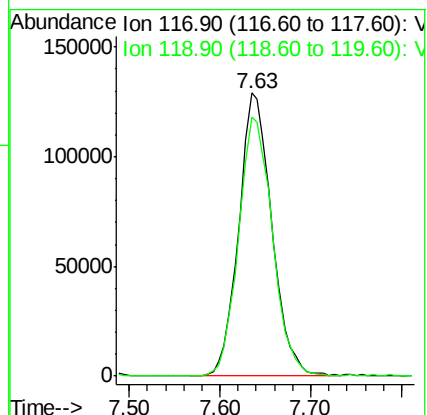
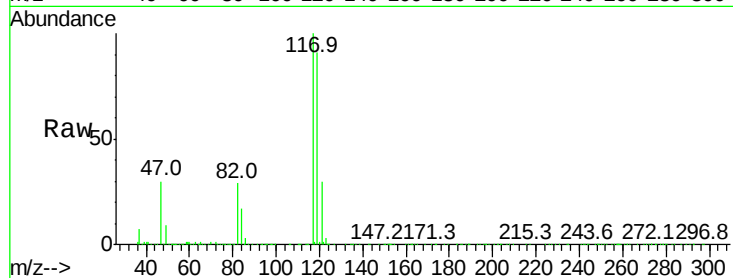
VSTD00589

Tgt Ion:117 Resp: 324593

Ion Ratio Lower Upper

117 100

119 94.1 74.2 111.2



#33

Benzene

Concen: 4.911 ug/L

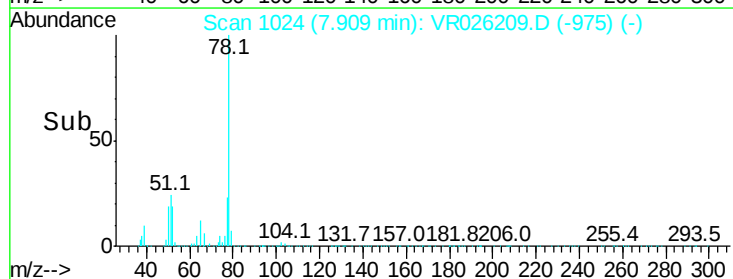
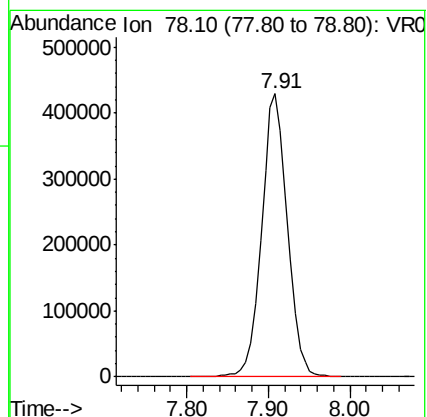
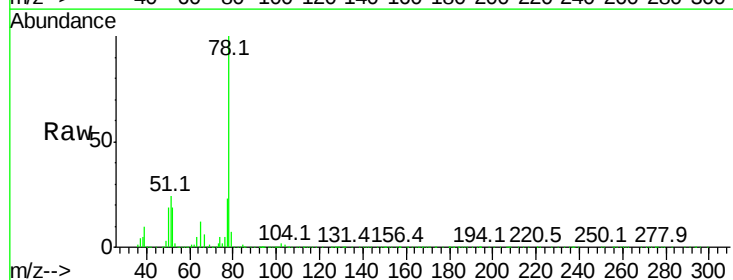
RT: 7.91 min Scan# 1024

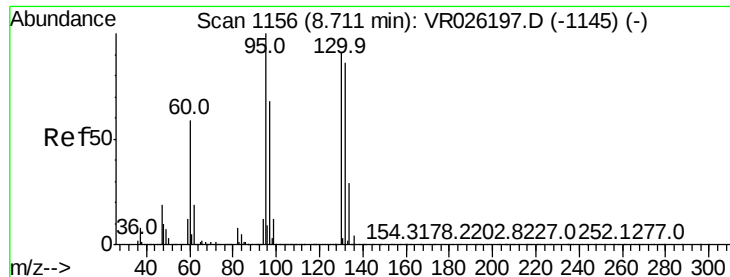
Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Tgt Ion: 78 Resp: 939374





#34

Trichloroethene

Concen: 4.840 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

Tgt Ion: 95 Resp: 236977

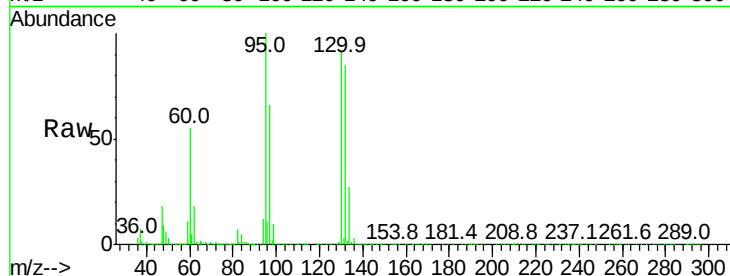
Ion Ratio Lower Upper

95 100

97 65.8 45.7 84.9

132 84.7 58.3 108.3

130 92.0 64.0 119.0

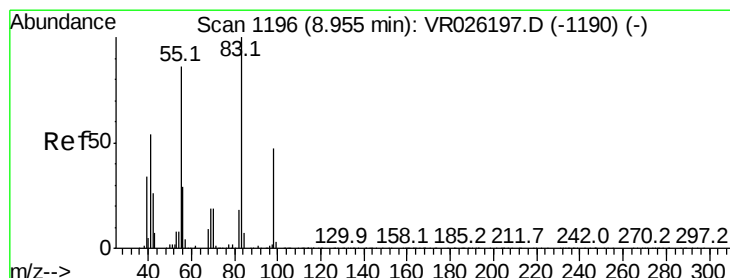
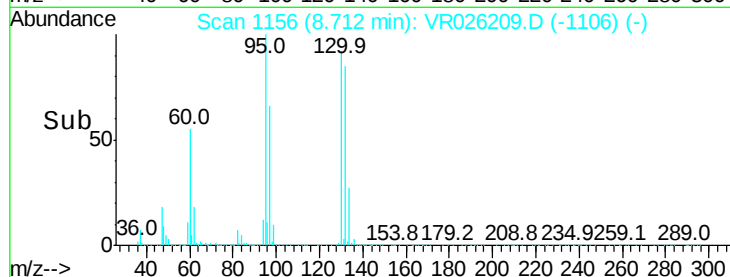
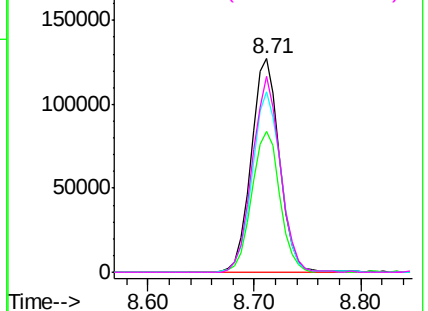


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.098 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

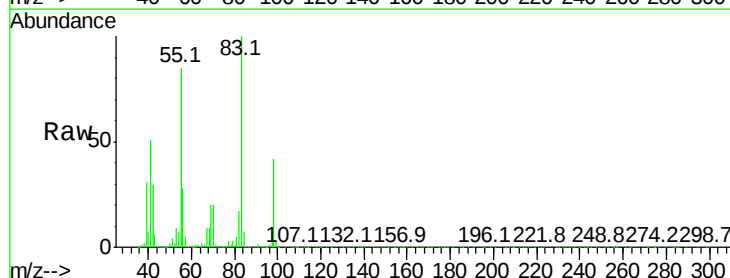
Tgt Ion: 83 Resp: 371581

Ion Ratio Lower Upper

83 100

55 86.9 66.8 100.2

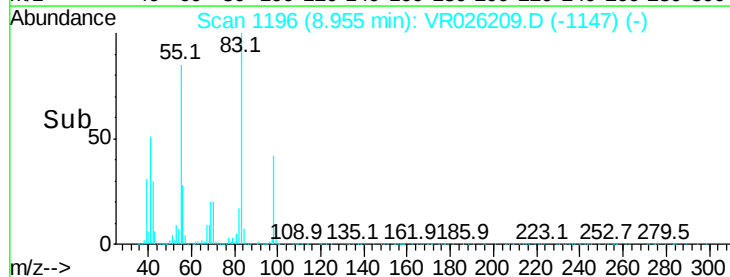
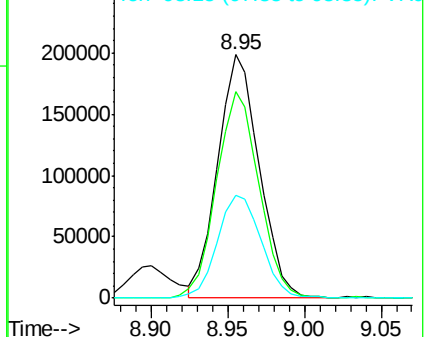
98 44.6 35.2 52.8

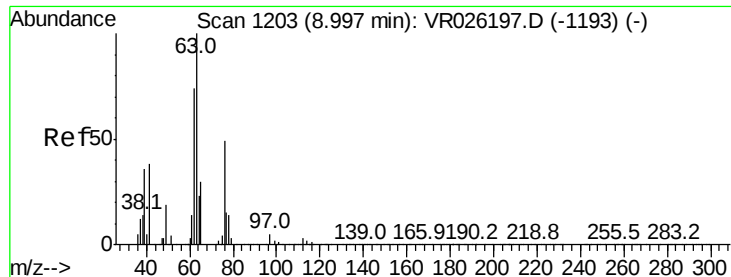


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

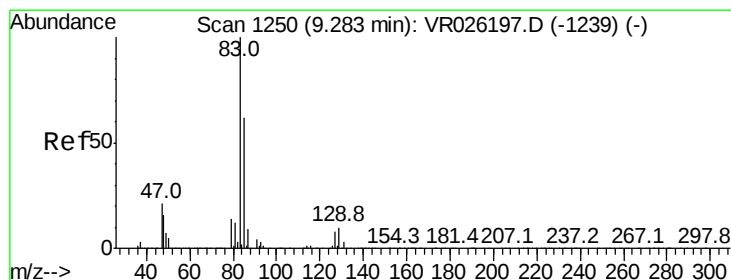
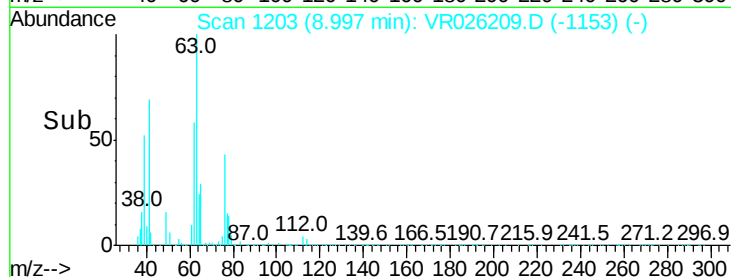
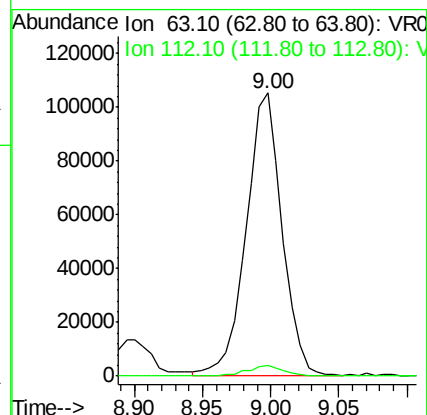
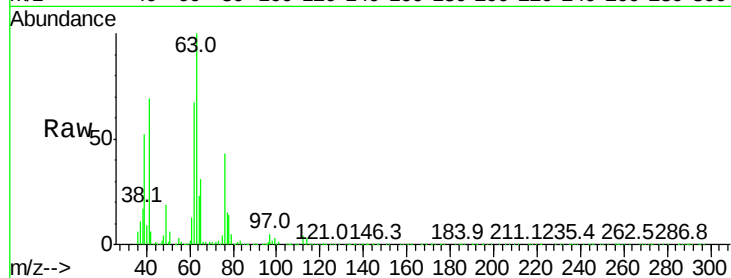




#37
 1,2-Dichloropropane
 Concen: 4.772 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

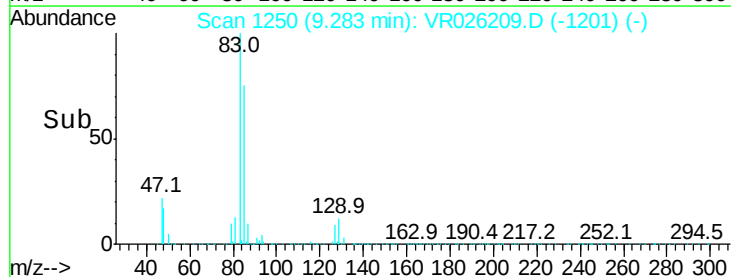
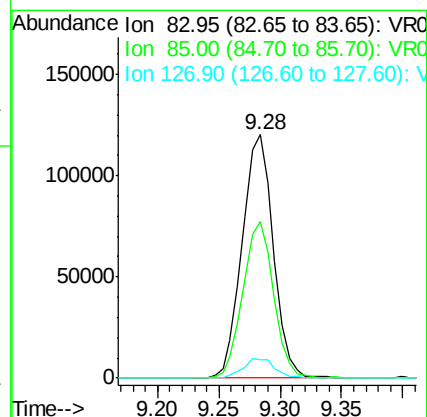
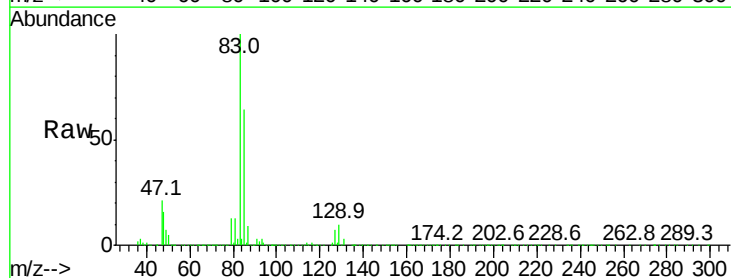
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

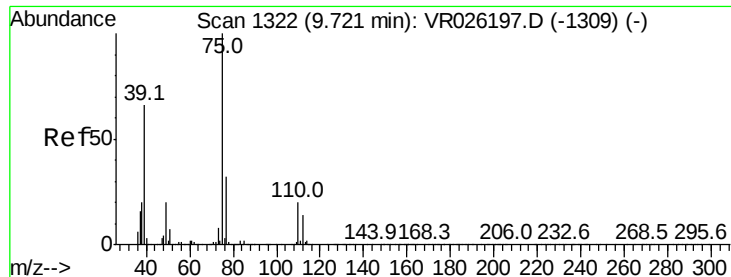
Tgt Ion: 63 Resp: 192617
 Ion Ratio Lower Upper
 63 100
 112 4.1 2.7 4.1#



#38
 Bromodichloromethane
 Concen: 4.898 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Tgt Ion: 83 Resp: 212607
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.5 80.7
 127 7.4 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.958 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

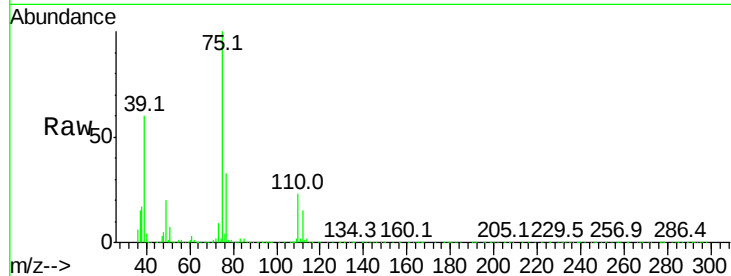
VSTD00589

Tgt Ion: 75 Resp: 229002

Ion Ratio Lower Upper

75 100

77 32.9 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

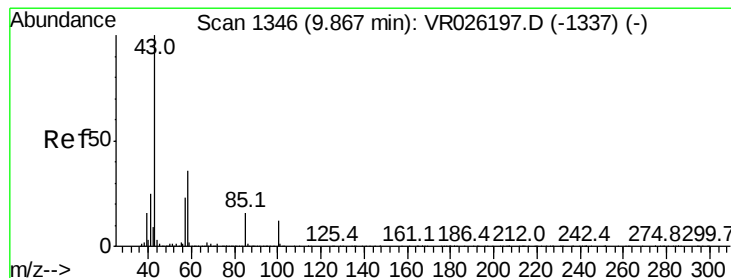
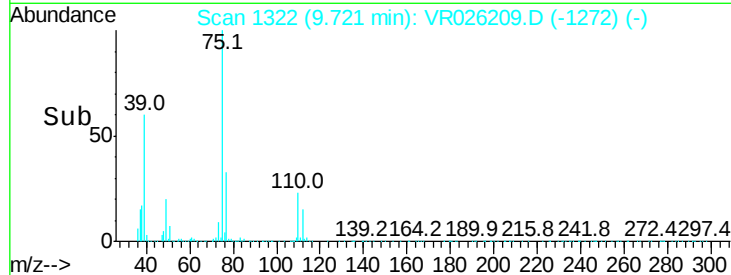
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 45.440 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

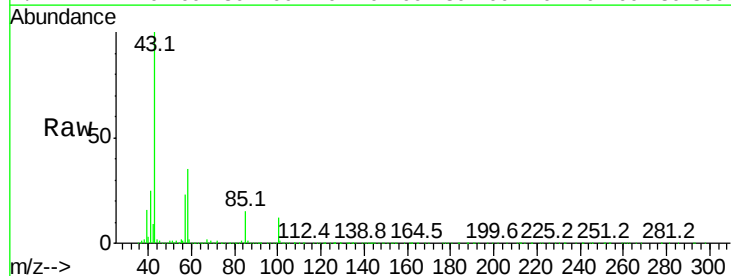
Tgt Ion: 43 Resp: 560079

Ion Ratio Lower Upper

43 100

58 34.6 28.1 42.1

100 11.8 9.3 13.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

400000

300000

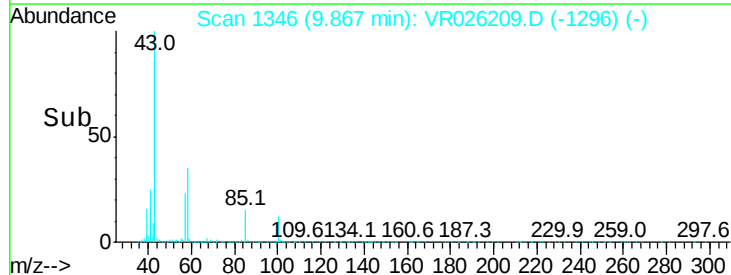
200000

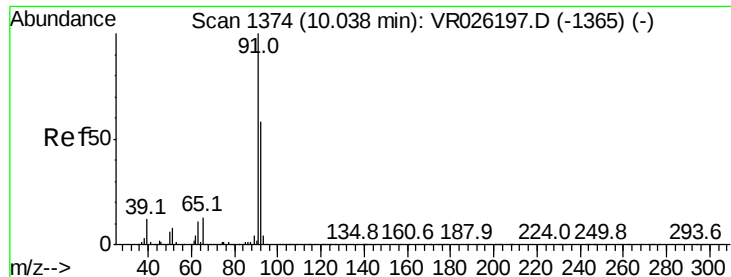
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.027 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

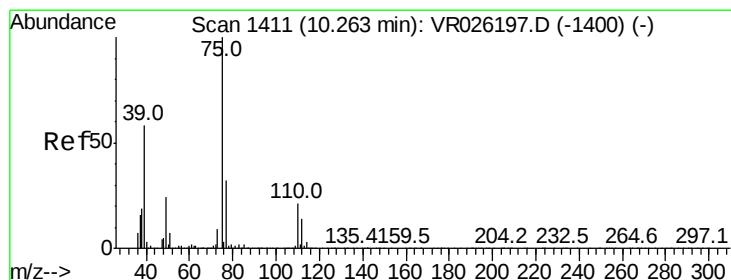
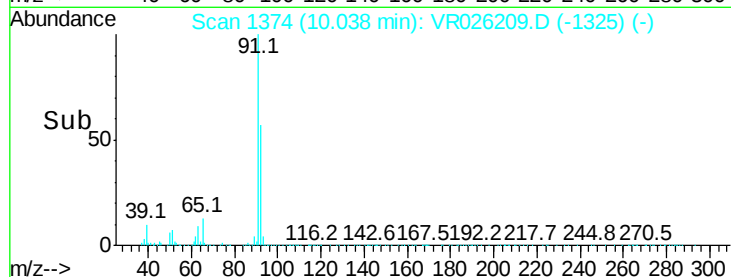
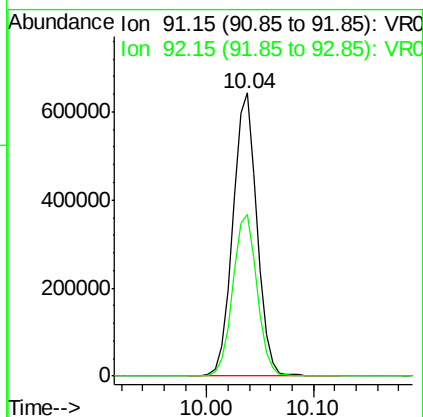
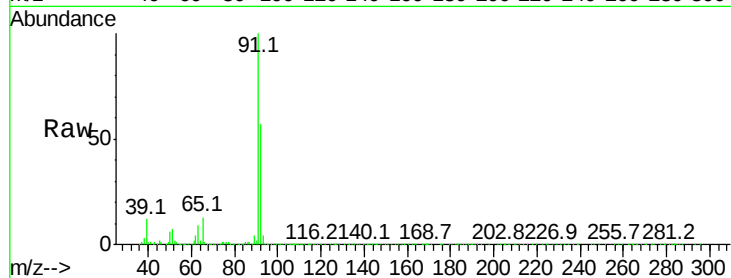
VSTD00589

Tgt Ion: 91 Resp: 1014965

Ion Ratio Lower Upper

91 100

92 57.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026209.D

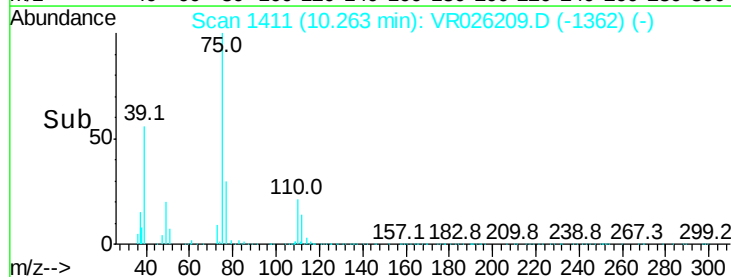
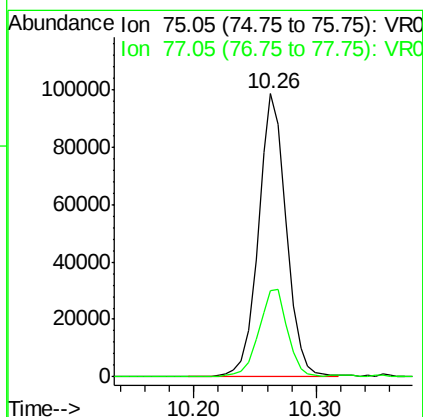
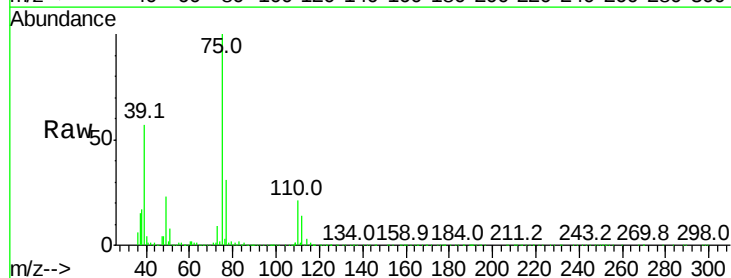
Acq: 8 Nov 2018 11:01

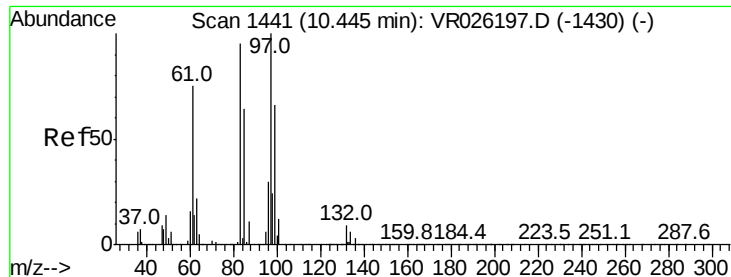
Tgt Ion: 75 Resp: 156342

Ion Ratio Lower Upper

75 100

77 30.6 24.1 44.7





#45

1,1,2-Trichloroethane

Concen: 4.677 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

Tgt Ion: 97 Resp: 79612

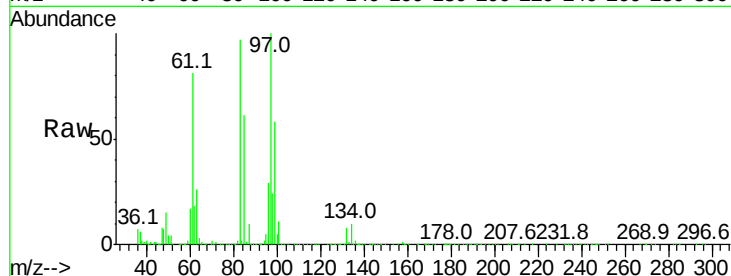
Ion Ratio Lower Upper

97 100

99 57.7 42.8 79.4

83 97.1 61.9 114.9

85 61.3 39.3 72.9

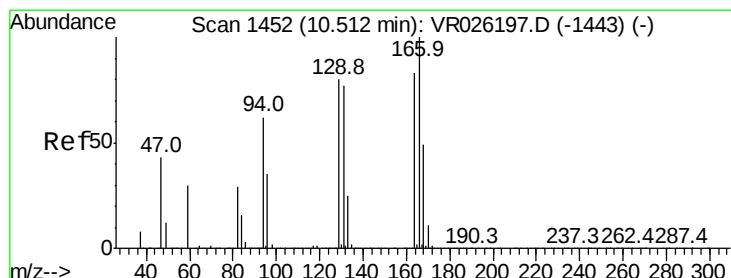
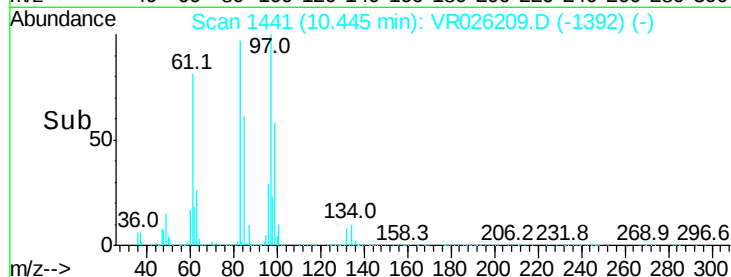
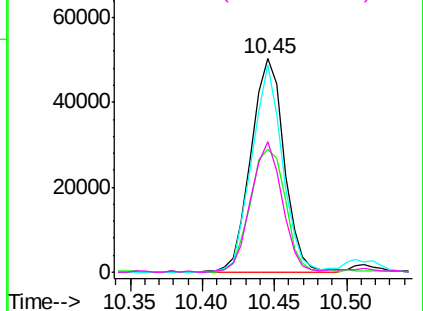


Abundance Ion 96.95 (96.65 to 97.65): VR0

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: 4.863 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Tgt Ion: 164 Resp: 170035

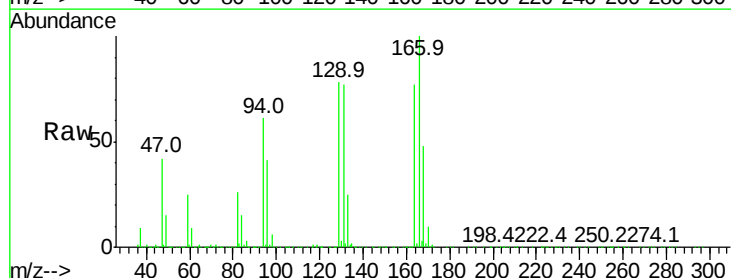
Ion Ratio Lower Upper

164 100

129 100.6 70.3 130.5

131 98.9 67.3 125.1

166 129.2 86.1 159.9

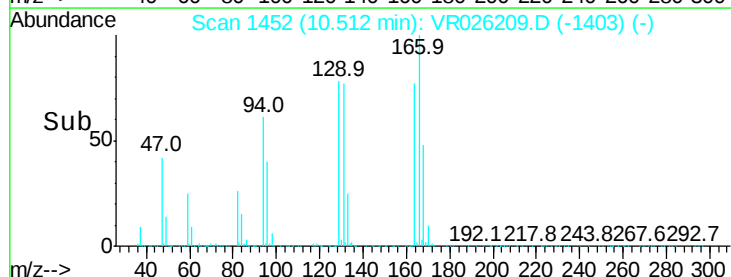
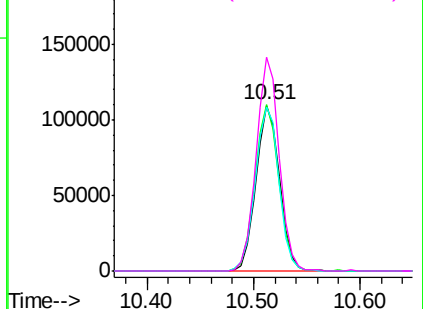


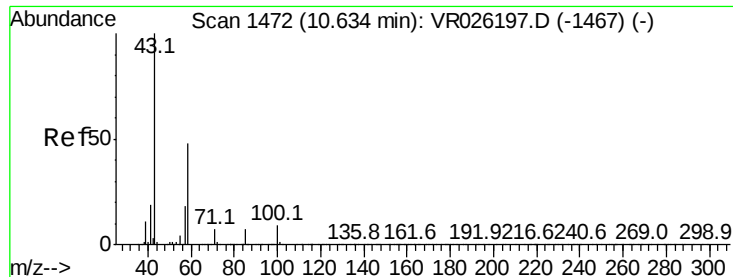
Abundance Ion 163.90 (163.60 to 164.60): V

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

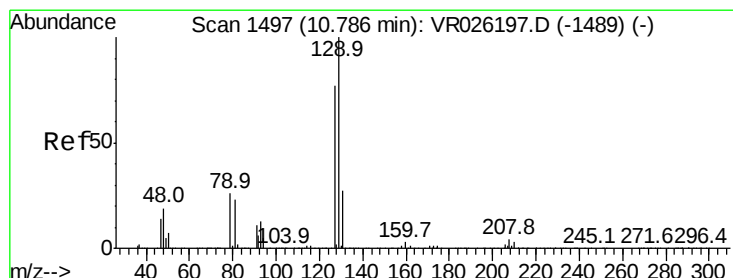
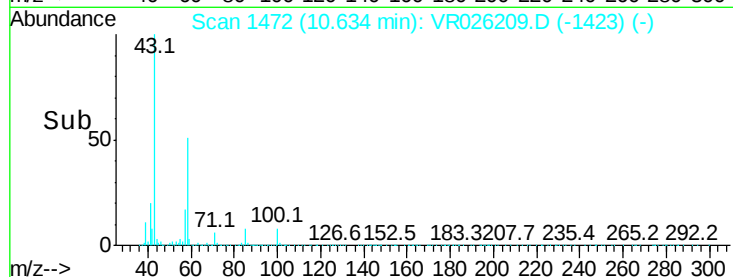
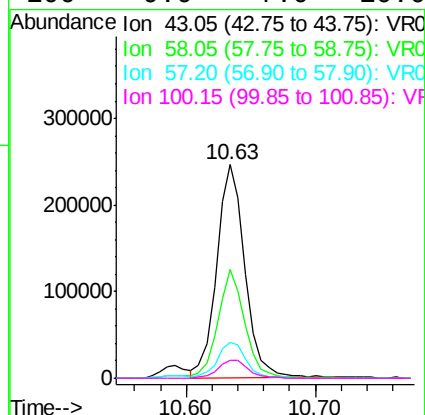
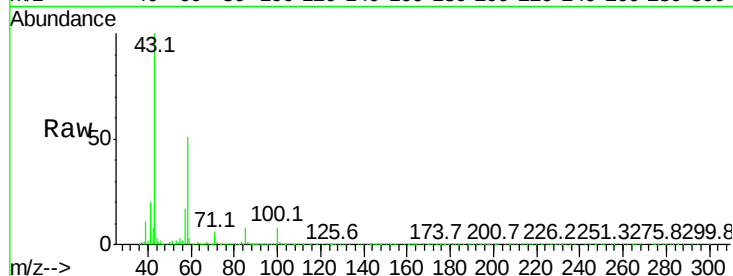




#48
2-Hexanone
Concen: 46.721 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

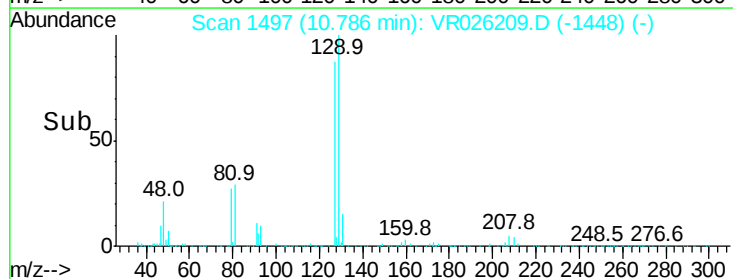
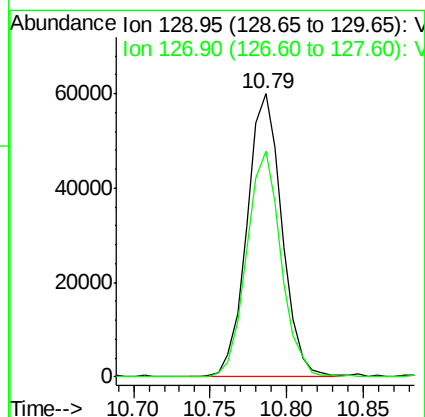
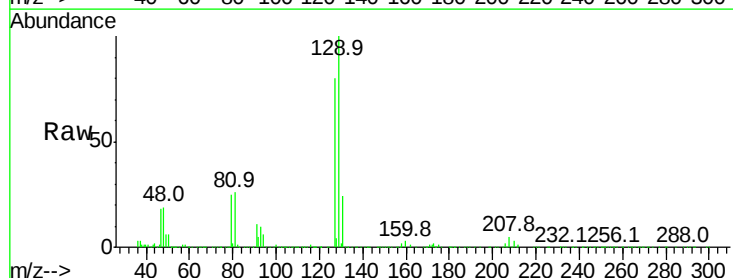
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

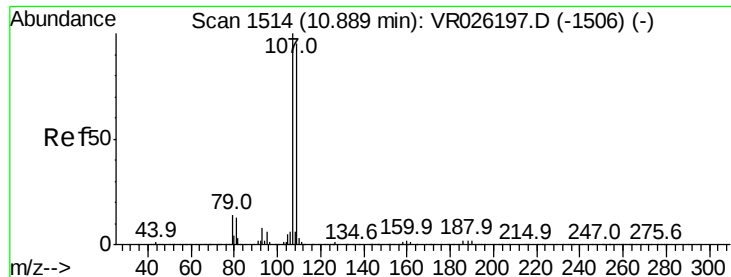
Tgt Ion:	43	Resp:	376117
Ion	Ratio	Lower	Upper
43	100		
58	50.7	39.6	59.4
57	17.2	14.0	21.0
100	9.0	7.0	10.6



#49
Dibromochloromethane
Concen: 4.959 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Tgt Ion:	129	Resp:	95004
Ion	Ratio	Lower	Upper
129	100		
127	80.0	55.0	102.2

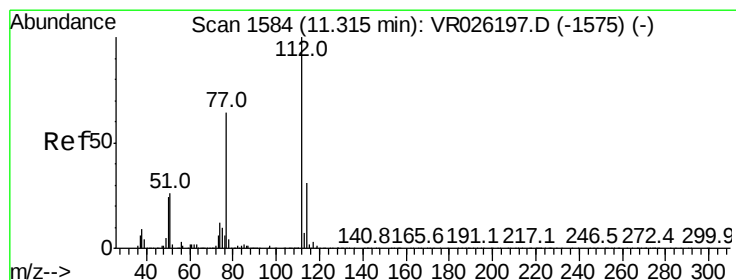
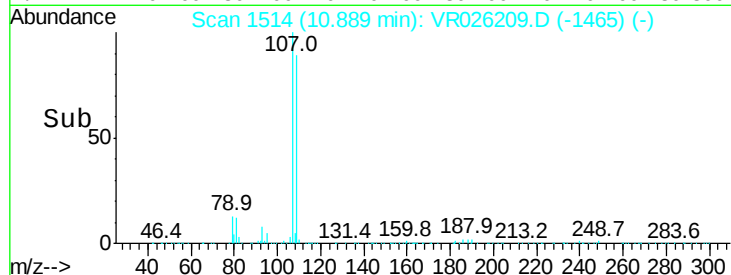
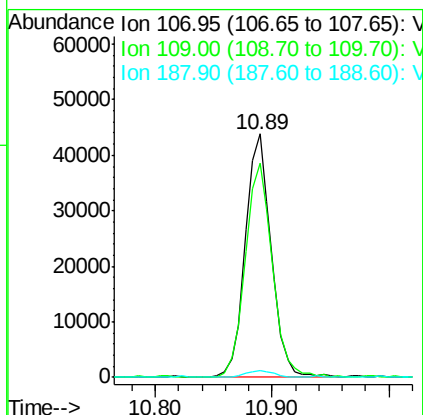
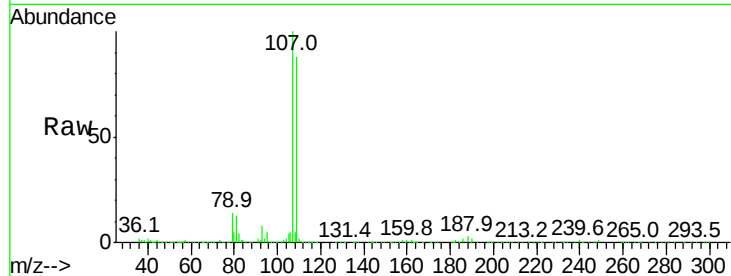




#50
1,2-Dibromoethane
Concen: 4.632 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

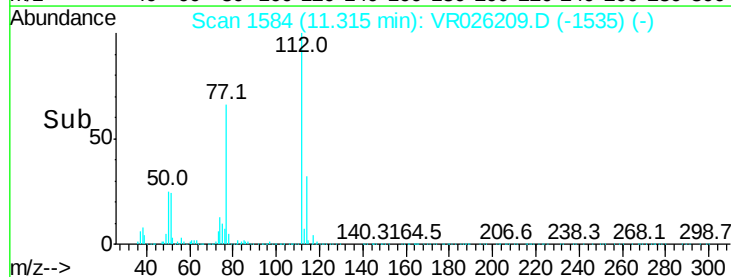
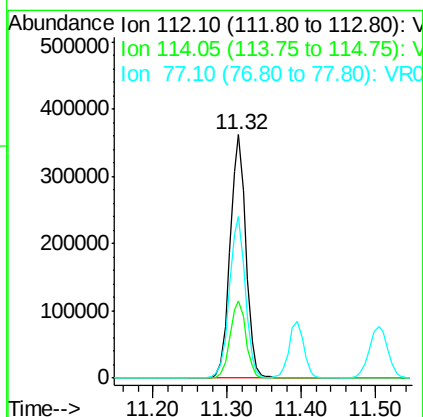
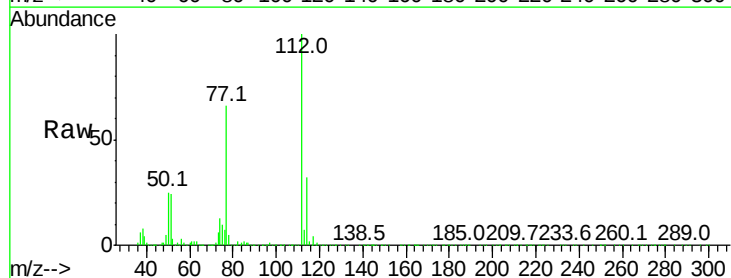
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

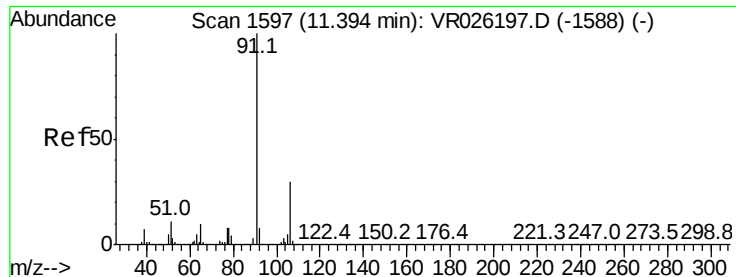
Tgt Ion:107 Resp: 68125
Ion Ratio Lower Upper
107 100
109 88.1 58.7 109.1
188 2.8 2.9 4.3#



#51
Chlorobenzene
Concen: 4.815 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Tgt Ion:112 Resp: 538135
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 66.2 51.5 77.3





#52

Ethylbenzene

Concen: 5.175 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

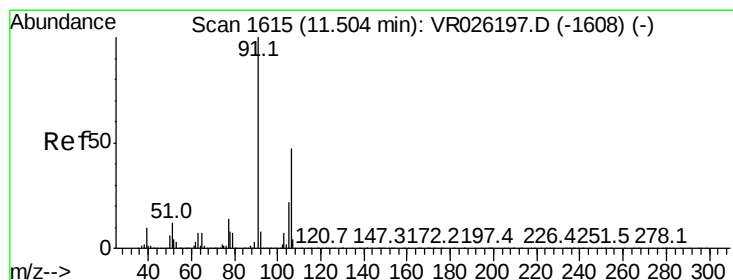
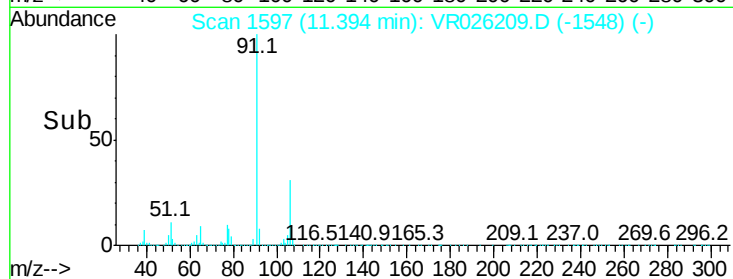
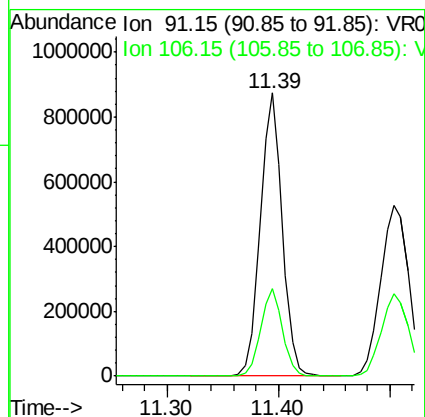
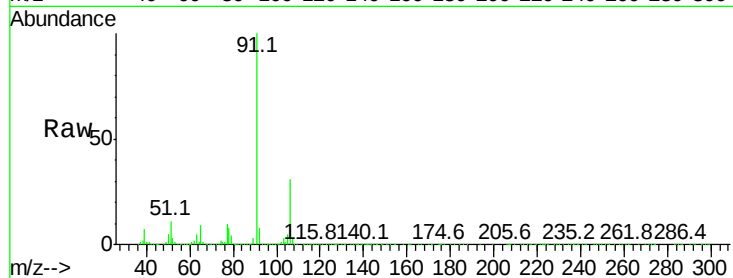
VSTD00589

Tgt Ion: 91 Resp: 1201448

Ion Ratio Lower Upper

91 100

106 30.9 21.2 39.4



#53

m,p-Xylene

Concen: 5.080 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026209.D

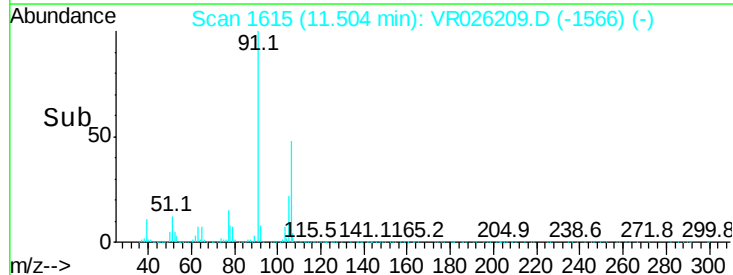
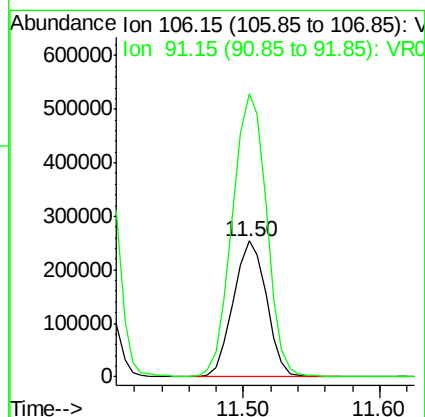
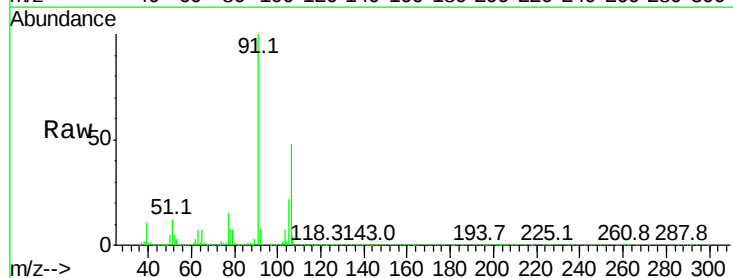
Acq: 8 Nov 2018 11:01

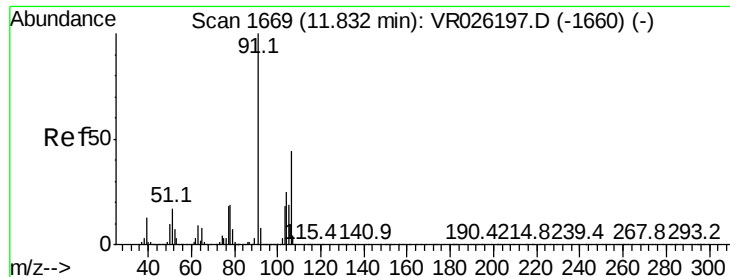
Tgt Ion: 106 Resp: 429745

Ion Ratio Lower Upper

106 100

91 208.1 145.3 269.8

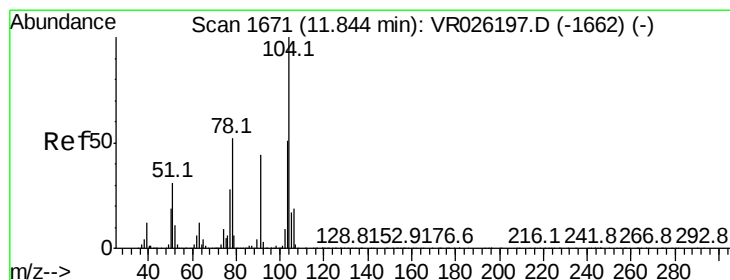
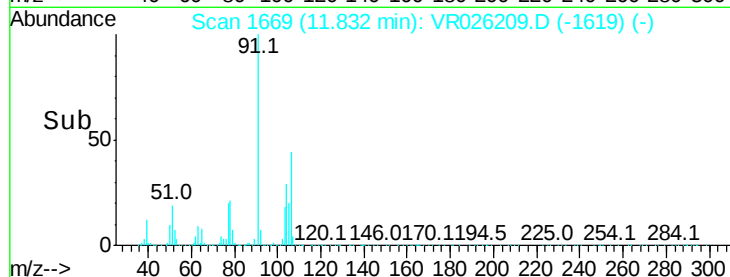
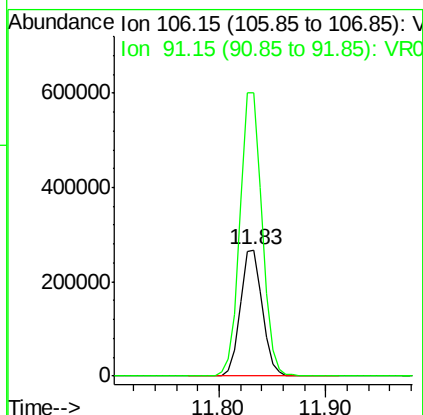
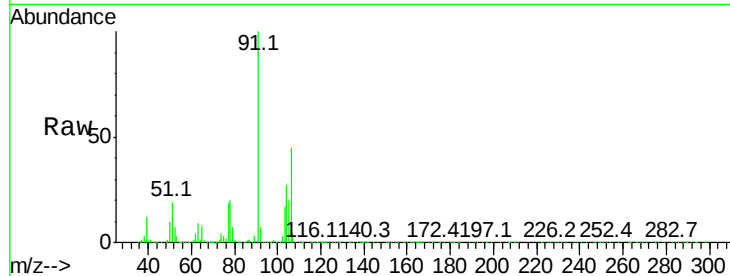




#54
o-Xylene
Concen: 5.031 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

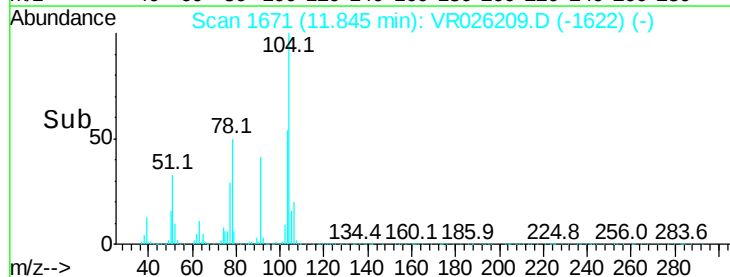
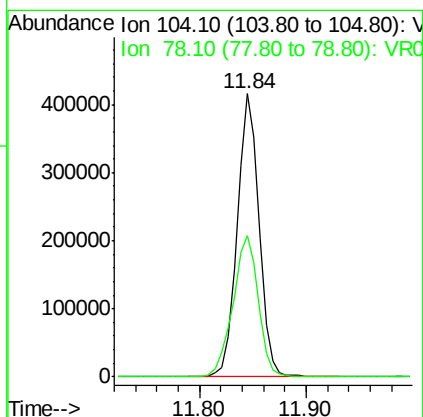
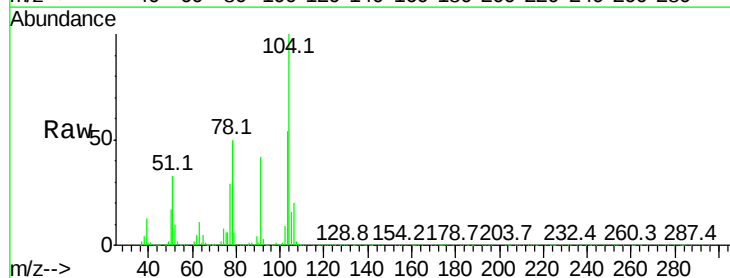
Instrument :
MSVOA_R
ClientSampleId :
VSTD00589

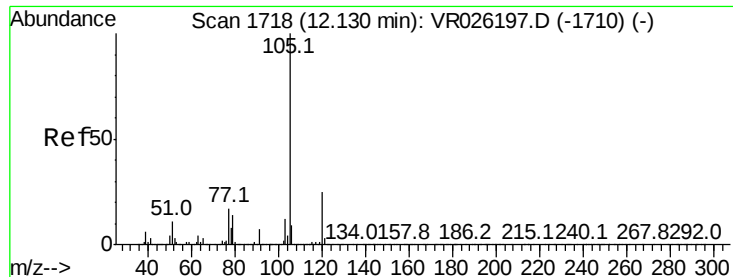
Tgt Ion:106 Resp: 390137
Ion Ratio Lower Upper
106 100
91 224.1 155.8 289.3



#55
Styrene
Concen: 5.027 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026209.D
Acq: 8 Nov 2018 11:01

Tgt Ion:104 Resp: 600086
Ion Ratio Lower Upper
104 100
78 49.8 34.7 64.5





#56

Isopropylbenzene

Concen: 5.373 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

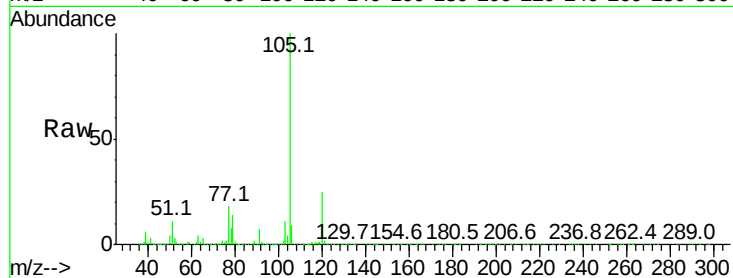
Tgt Ion:105 Resp: 1157243

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

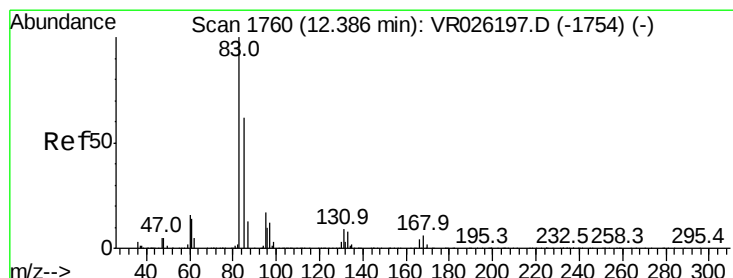
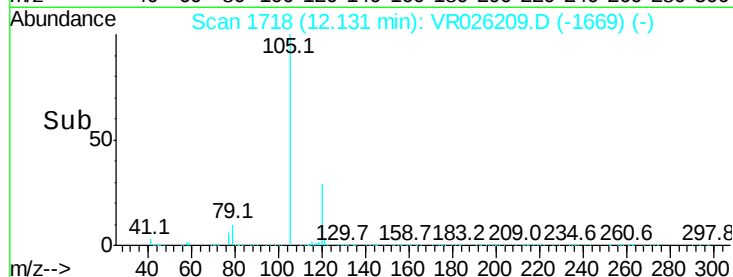
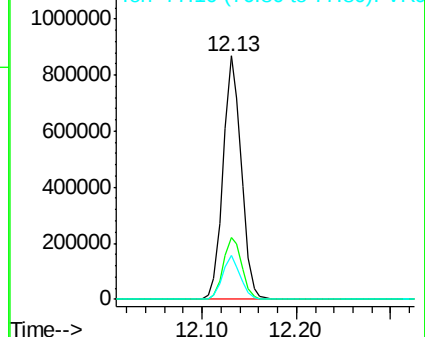
77 17.8 14.6 21.8



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: 4.367 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

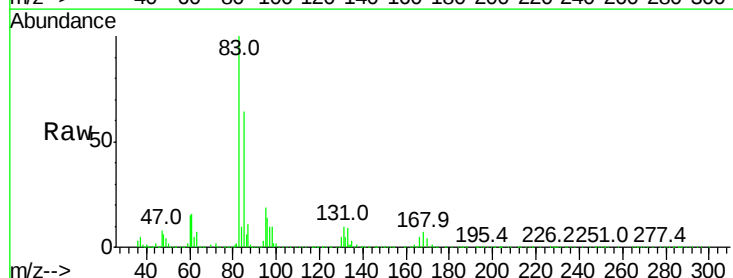
Tgt Ion: 83 Resp: 75555

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

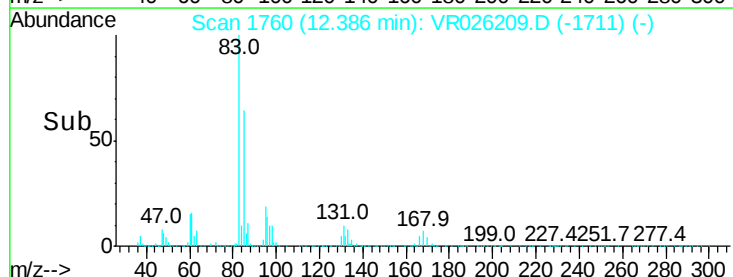
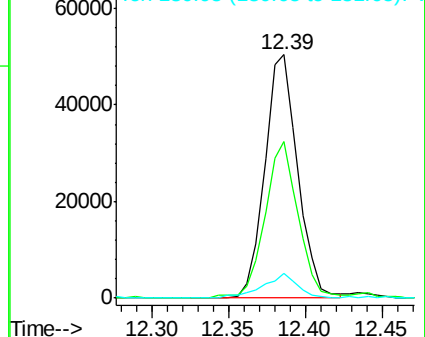
131 10.1 8.0 12.0

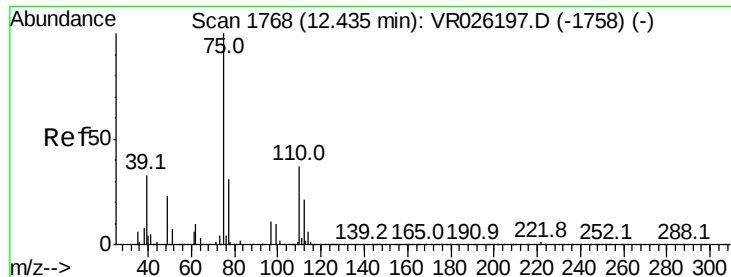


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.406 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

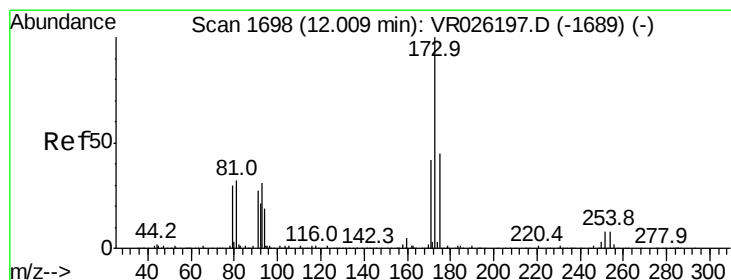
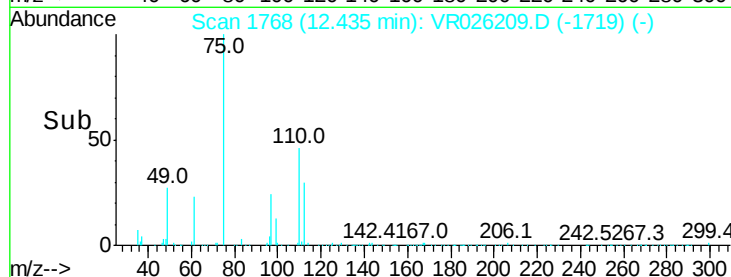
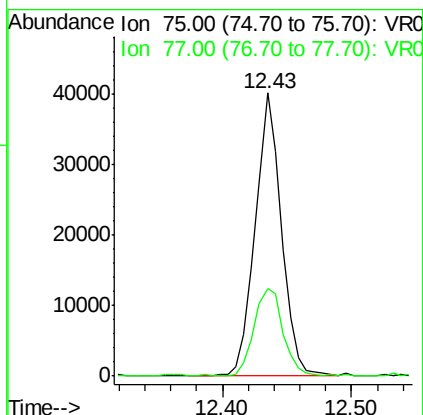
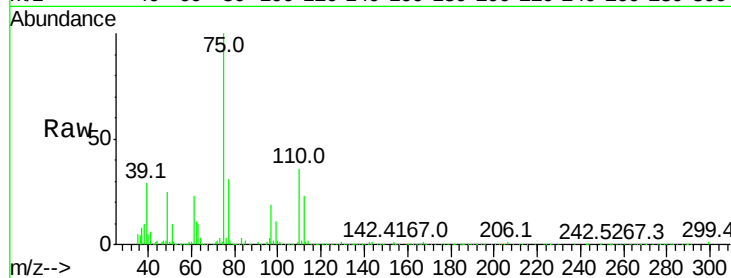
VSTD00589

Tgt Ion: 75 Resp: 55967

Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.2



#61

Bromoform

Concen: 4.861 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

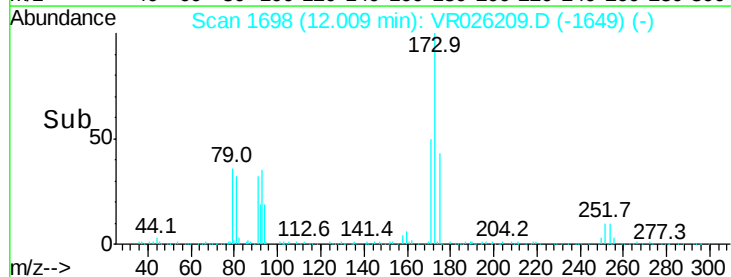
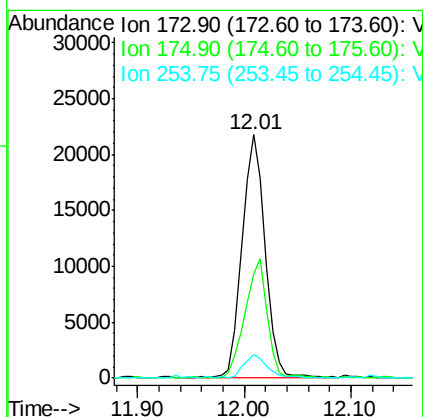
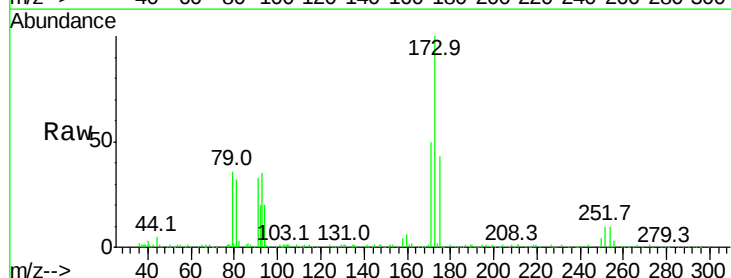
Tgt Ion: 173 Resp: 33317

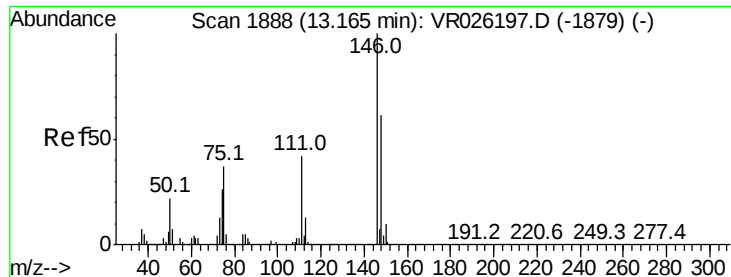
Ion Ratio Lower Upper

173 100

175 47.4 39.0 58.4

254 10.1 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 4.807 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

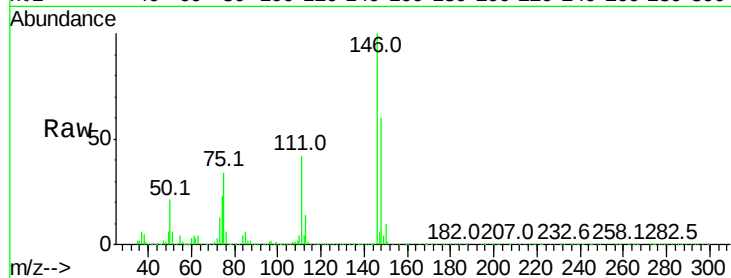
Tgt Ion:146 Resp: 314941

Ion Ratio Lower Upper

146 100

111 42.1 32.1 59.7

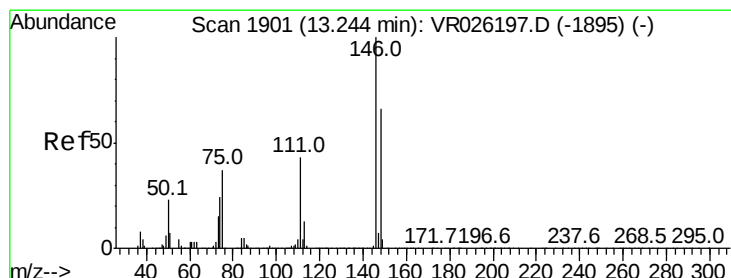
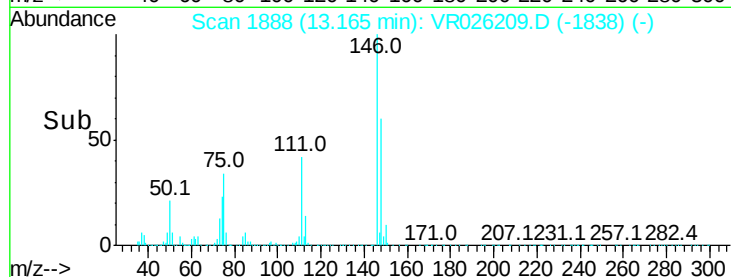
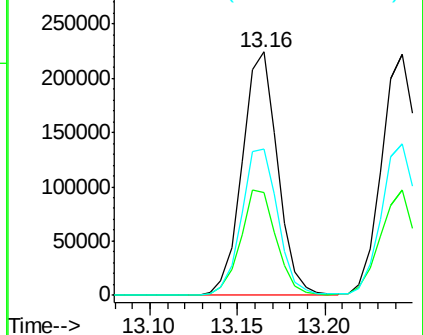
148 59.9 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.711 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

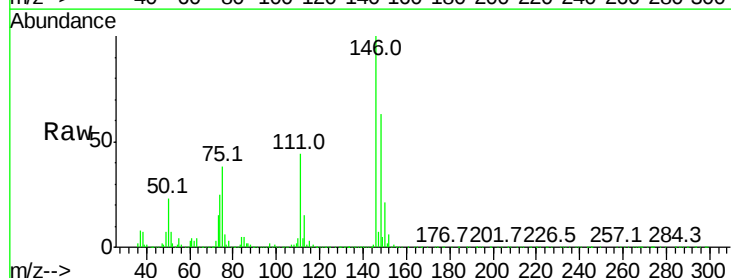
Tgt Ion:146 Resp: 319632

Ion Ratio Lower Upper

146 100

111 43.6 32.6 60.6

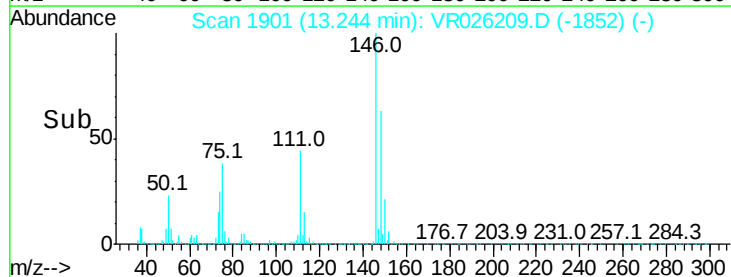
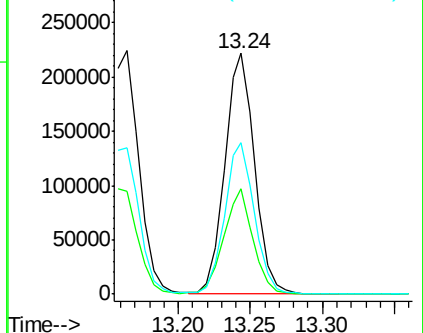
148 62.8 46.7 86.7

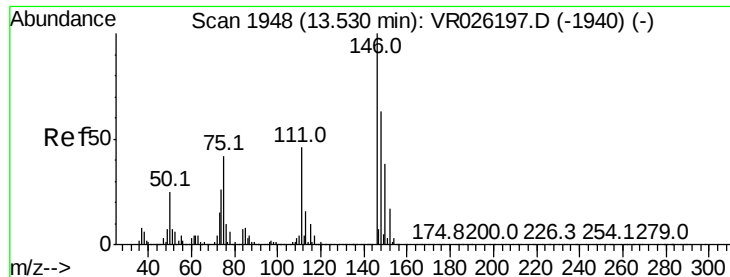


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

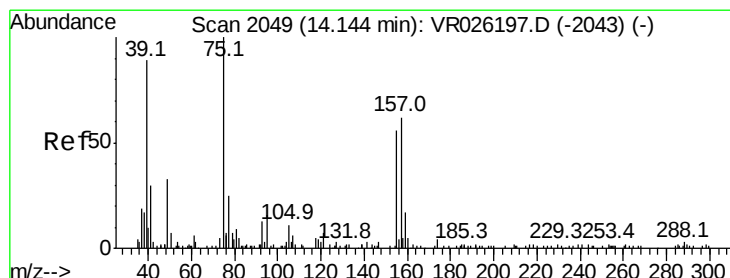
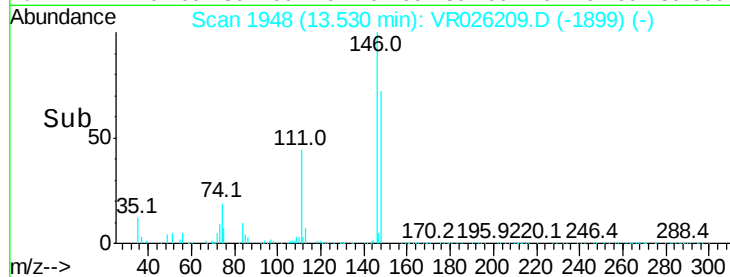
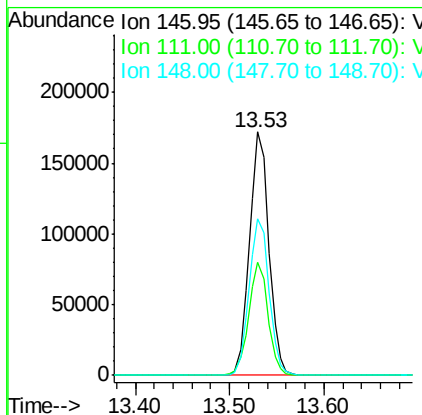
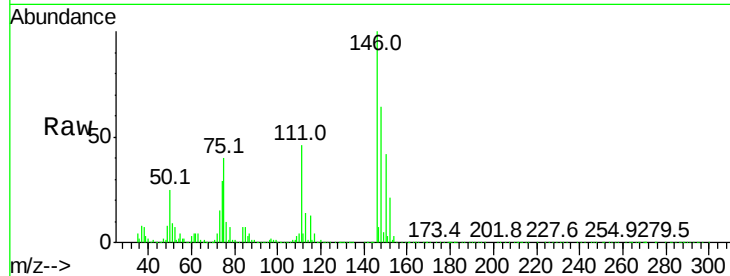




#65
 1,2-Dichlorobenzene
 Concen: 4.700 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

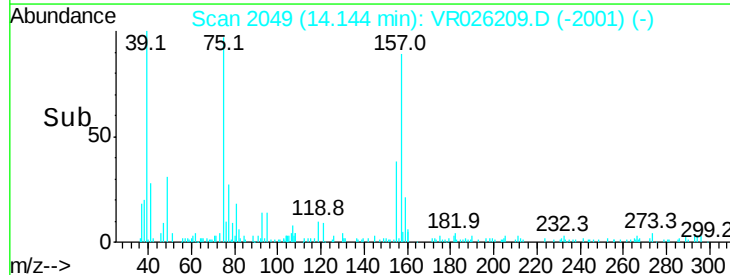
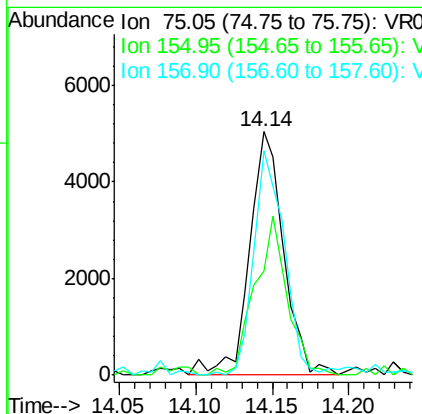
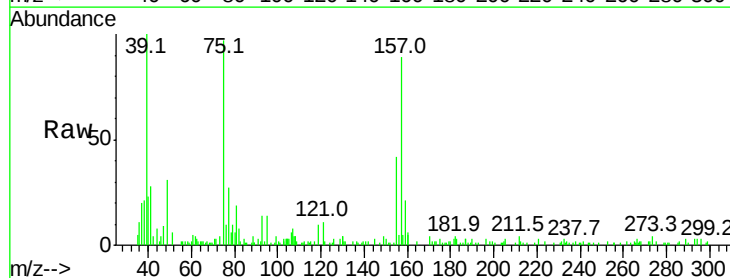
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

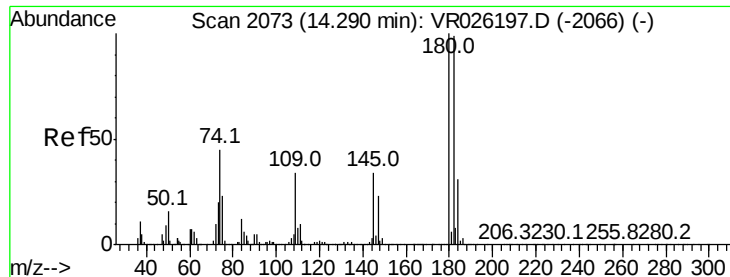
Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	35.2	52.8
148	64.5	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.655 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	42.9	40.9	61.3
157	92.2	67.3	100.9

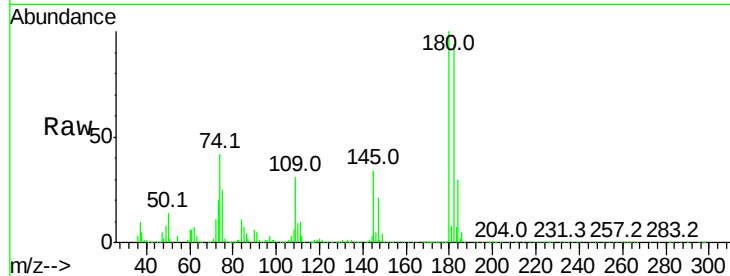




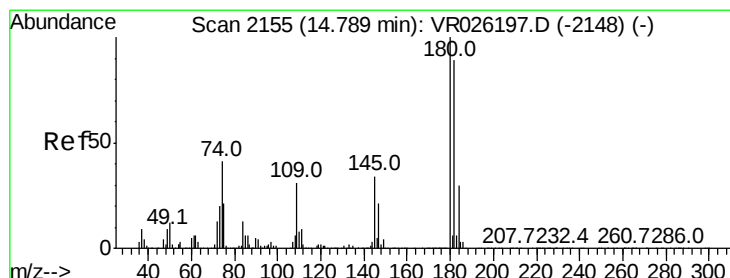
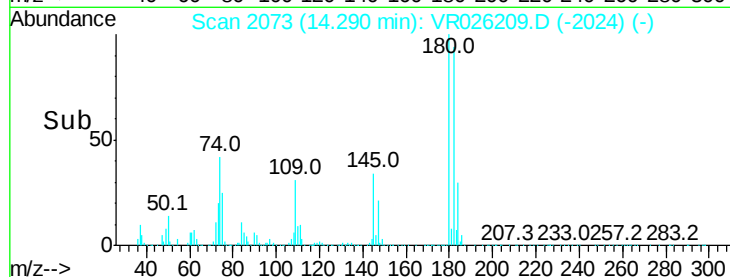
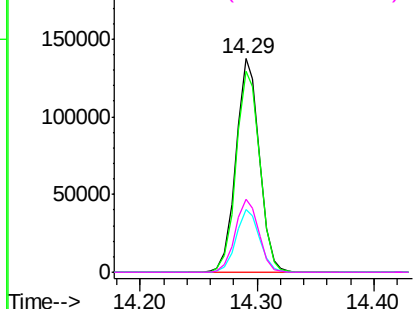
#67
 1,3,5-Trichlorobenzene
 Concen: 4.823 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Tgt Ion:	180	Resp:	192534
Ion Ratio	Lower	Upper	
180	100		
182	94.6	77.5	116.3
184	29.4	25.0	37.4
145	34.1	27.6	41.4

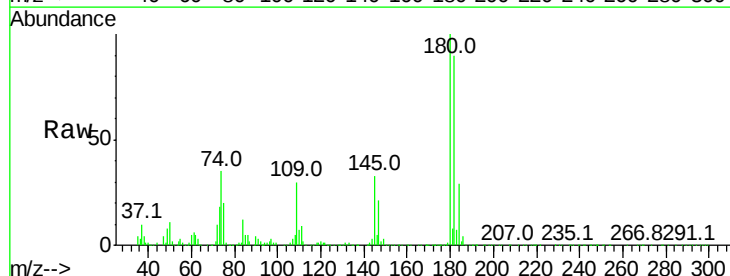


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

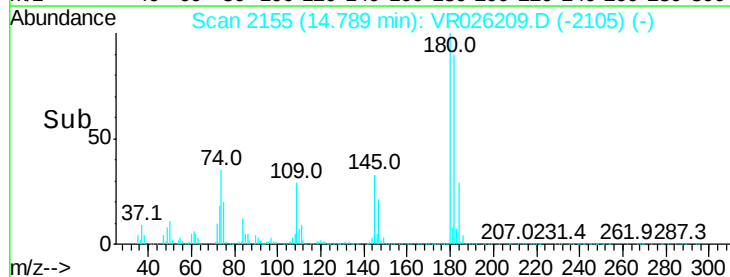
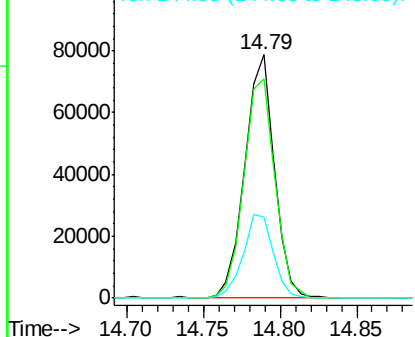


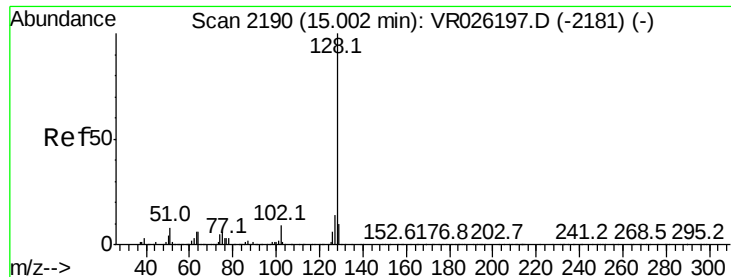
#68
 1,2,4-trichlorobenzene
 Concen: 4.496 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026209.D
 Acq: 8 Nov 2018 11:01

Tgt Ion:	180	Resp:	104746
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.1	114.1
145	35.9	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: 4.574 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

VSTD00589

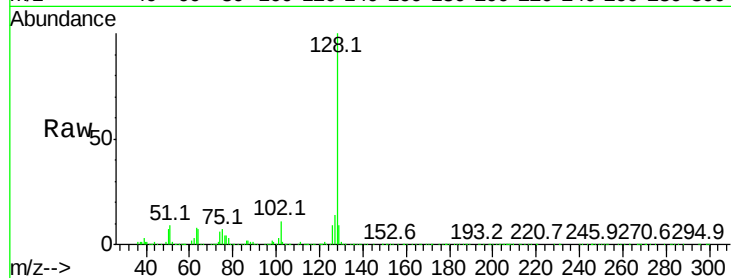
Tgt Ion:128 Resp: 103486

Ion Ratio Lower Upper

128 100

127 12.2 11.0 16.6

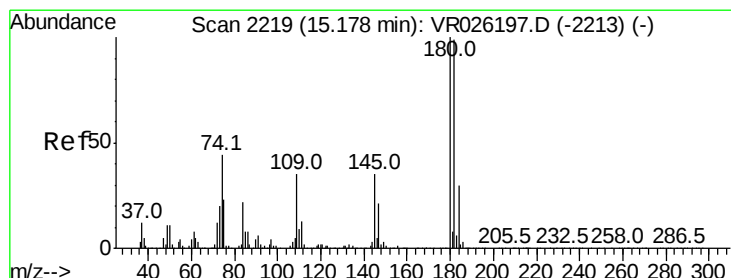
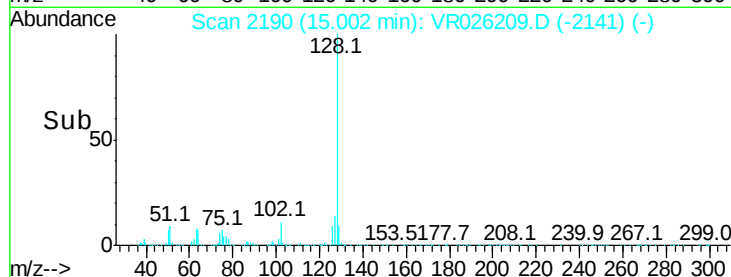
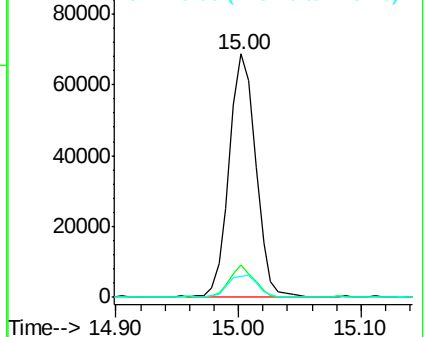
129 10.3 9.1 13.7



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: 4.661 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026209.D

Acq: 8 Nov 2018 11:01

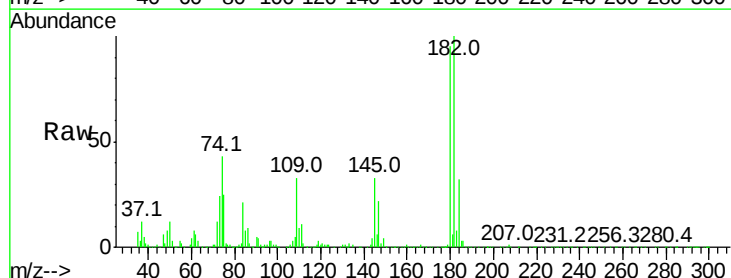
Tgt Ion:180 Resp: 75420

Ion Ratio Lower Upper

180 100

182 99.6 75.7 113.5

145 36.4 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

