

Data File : VR026213.D
Acq On : 8 Nov 2018 14:08
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Quant Time: Nov 08 14:35:19 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	643836	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	543456	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	256881	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	2.62	69	233604	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	3.61	63	664750	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	6.58	46	203959	44.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.18%
24) Chloroform-d	7.20	84	417549	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.89	65	163207	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	7.85	84	831088	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	8.89	67	214235	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	9.97	98	807057	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	55053	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	10.59	63	162048	47.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85813	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	153291	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	193926	4.484	ug/L 94
3) Chloromethane	2.02	50	326848	4.759	ug/L 97
5) Vinyl chloride	2.16	62	329408	4.815	ug/L 97
6) Bromomethane	2.52	94	226954	5.023	ug/L 99
8) Chloroethane	2.66	64	217922	5.140	ug/L 99
9) Trichlorofluoromethane	2.93	101	249153	2.523	ug/L # 54
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	316422	5.374	ug/L 98
12) 1,1-Dichloroethene	3.63	96	319171	5.098	ug/L 84
13) Acetone	3.69	43	247403	51.734	ug/L 100
14) Carbon disulfide	3.92	76	877511	5.361	ug/L 99
15) Methyl Acetate	4.19	43	59032	4.725	ug/L 95
16) Methylene chloride	4.40	84	271132	4.776	ug/L 97
17) Methyl tert-butyl Ether	4.88	73	276297	4.861	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	241332	5.097	ug/L 96
19) 1,1-Dichloroethane	5.69	63	467068	5.254	ug/L 99
21) 2-Butanone	6.69	43	284674	51.600	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	241376	5.389	ug/L # 95

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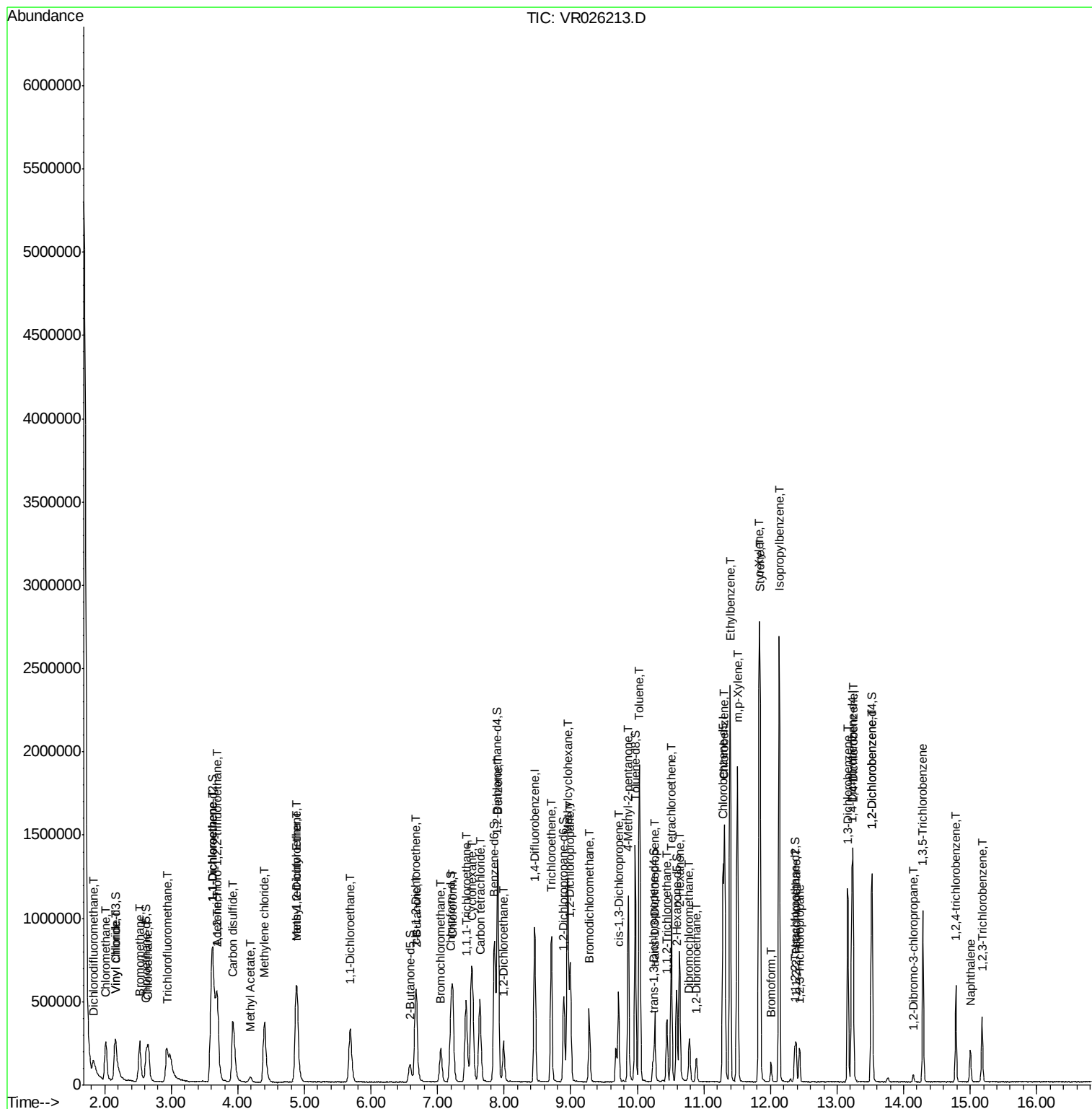
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	60442	4.811	ug/L	89
25) Chloroform	7.23	83	459504	5.297	ug/L	98
27) 1,2-Dichloroethane	7.99	62	211119	4.971	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	415705	5.598	ug/L	99
30) Cyclohexane	7.51	56	422855	5.673	ug/L	100
31) Carbon tetrachloride	7.63	117	374020	5.539	ug/L	97
33) Benzene	7.90	78	1112601	5.456	ug/L	100
34) Trichloroethene	8.71	95	280094	5.366	ug/L	96
35) Methylcyclohexane	8.95	83	433363	5.577	ug/L	98
37) 1,2-Dichloropropane	8.99	63	236582	5.499	ug/L	100
38) Bromodichloromethane	9.28	83	253903	5.488	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	267812	5.439	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	693466	52.780	ug/L	99
42) Toluene	10.03	91	1220743	5.672	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	190100	5.526	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	95571	5.266	ug/L	94
47) Tetrachloroethene	10.51	164	197555	5.301	ug/L	97
48) 2-Hexanone	10.63	43	474935	55.345	ug/L	99
49) Dibromochloromethane	10.79	129	116457	5.702	ug/L	100
50) 1,2-Dibromoethane	10.89	107	77532	4.945	ug/L #	88
51) Chlorobenzene	11.32	112	637708	5.352	ug/L	97
52) Ethylbenzene	11.39	91	1445174	5.839	ug/L	98
53) m,p-Xylene	11.50	106	517400	5.738	ug/L	95
54) o-Xylene	11.83	106	476649	5.766	ug/L	99
55) Styrene	11.84	104	735494	5.780	ug/L	100
56) Isopropylbenzene	12.13	105	1396705	6.083	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	92646	5.023	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	69842	5.158	ug/L	100
61) Bromoform	12.01	173	42161	5.592	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	374444	5.196	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	390804	5.237	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	302020	5.222	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	9308	3.950	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	231666	5.276	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	131026	5.113	ug/L	99
69) Naphthalene	15.00	128	123058	4.945	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	89569	5.032	ug/L	96

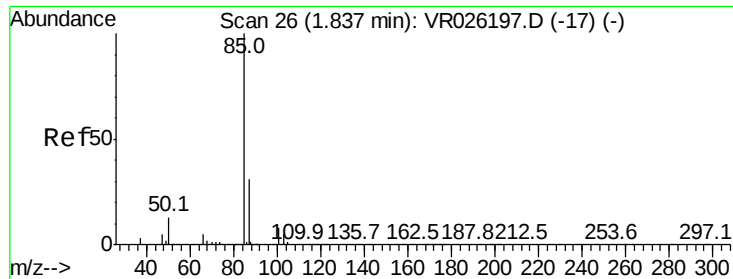
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.484 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampled :

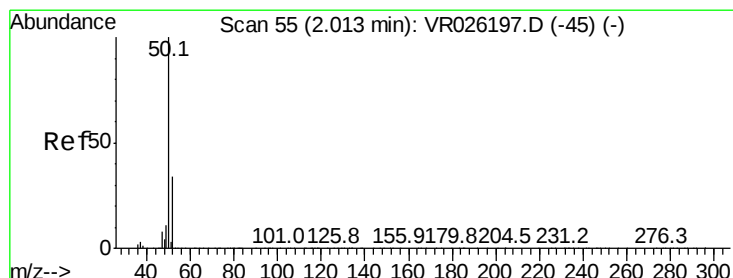
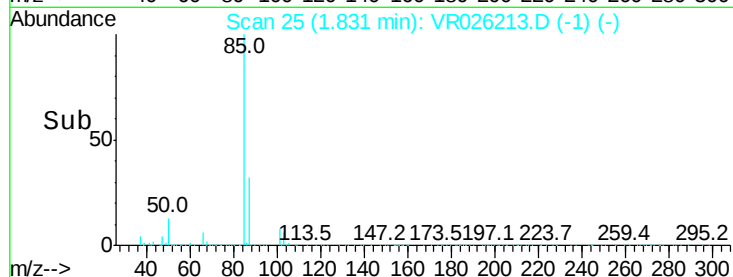
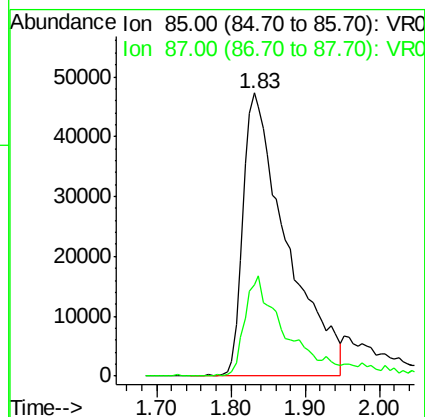
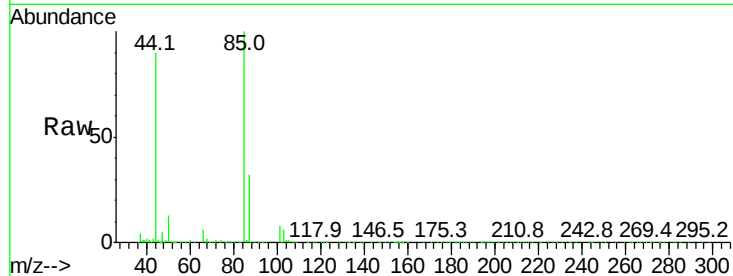
VSTD00590

Tgt Ion: 85 Resp: 193926

Ion Ratio Lower Upper

85 100

87 32.3 23.4 35.2



#3

Chloromethane

Concen: 4.759 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026213.D

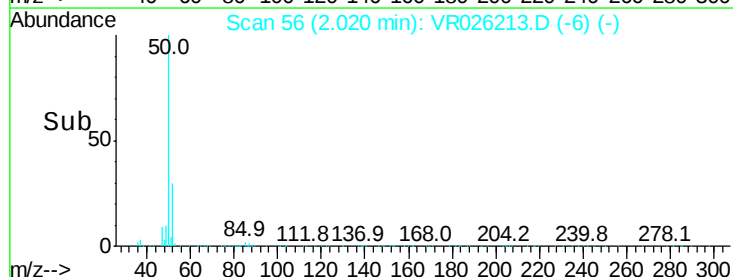
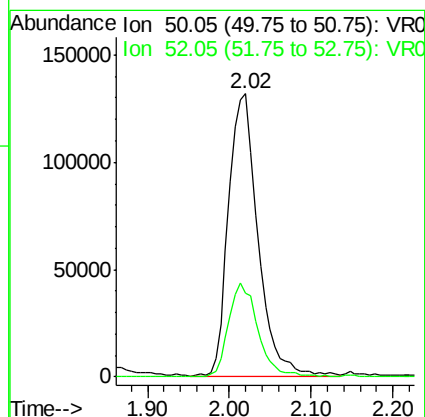
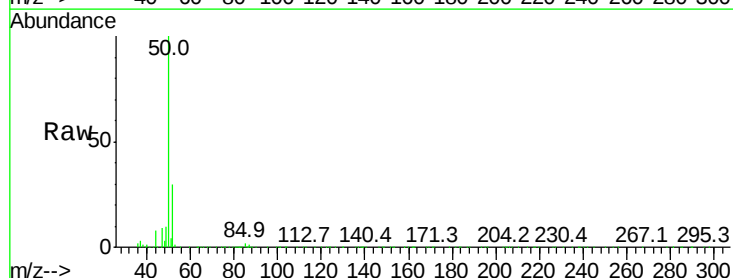
Acq: 8 Nov 2018 14:08

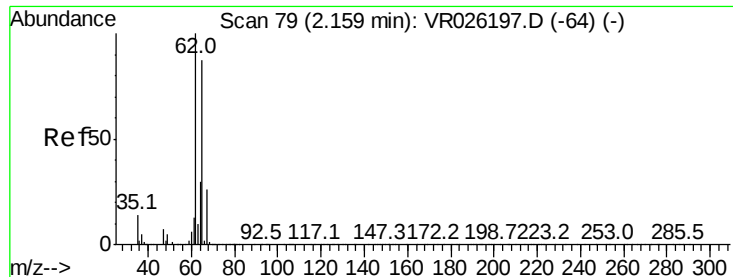
Tgt Ion: 50 Resp: 326848

Ion Ratio Lower Upper

50 100

52 29.6 22.0 40.8





#5

Vinyl chloride

Concen: 4.815 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

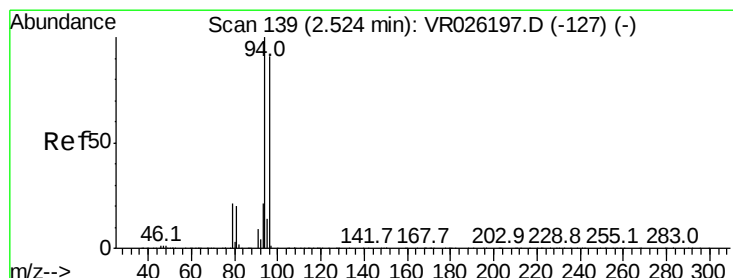
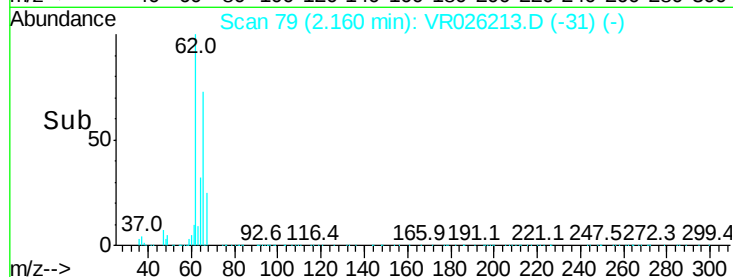
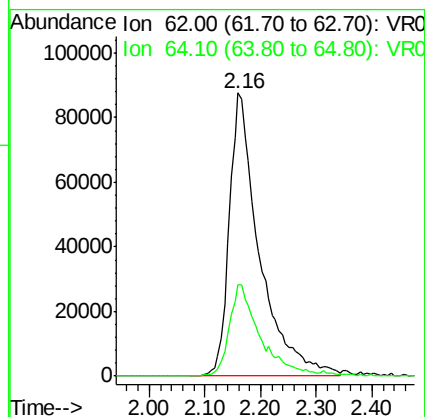
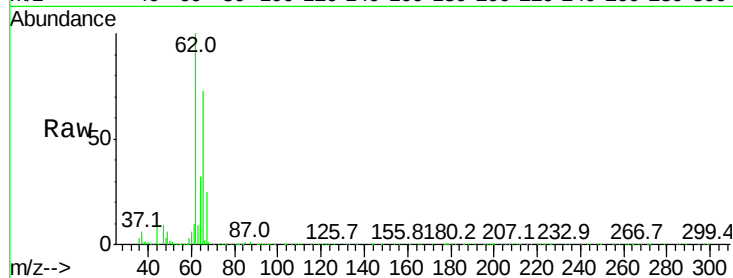
VSTD00590

Tgt Ion: 62 Resp: 329408

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



#6

Bromomethane

Concen: 5.023 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.00 min

Lab File: VR026213.D

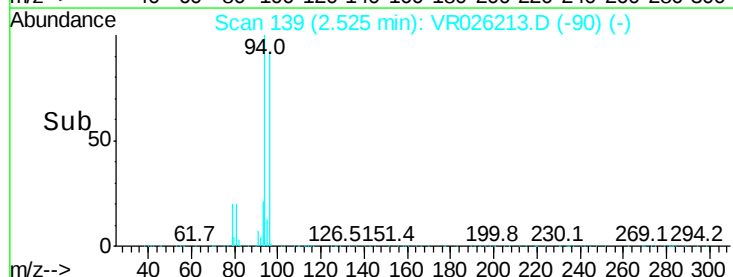
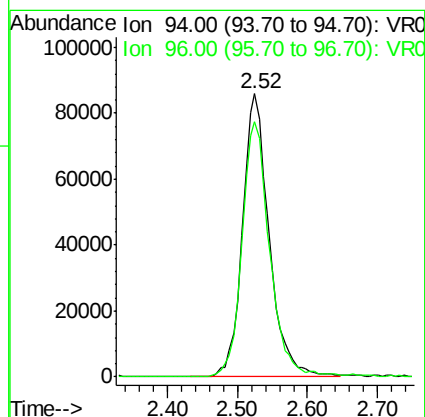
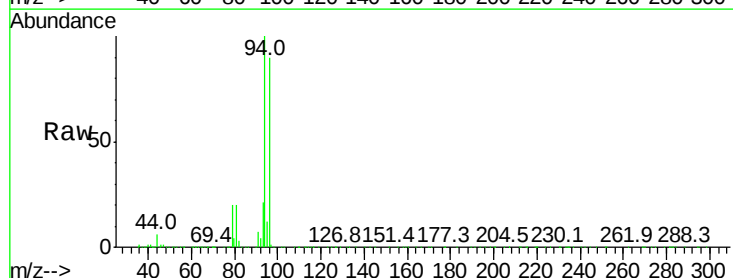
Acq: 8 Nov 2018 14:08

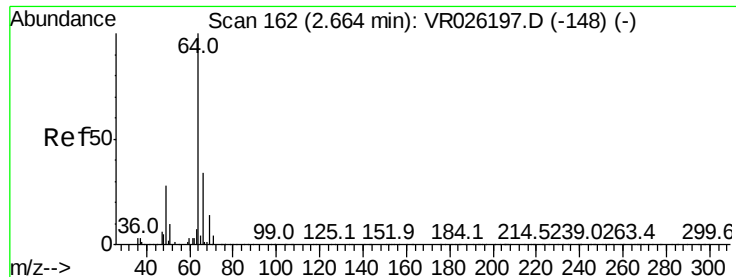
Tgt Ion: 94 Resp: 226954

Ion Ratio Lower Upper

94 100

96 90.4 62.5 116.1





#8

Chloroethane

Concen: 5.140 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

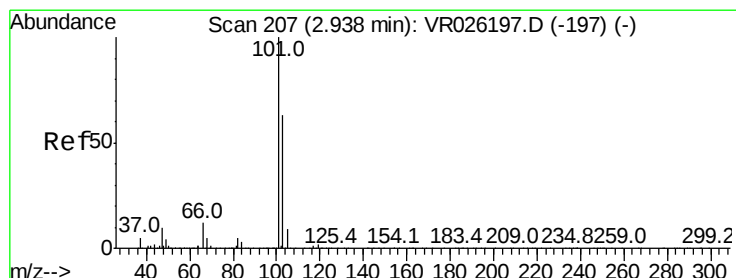
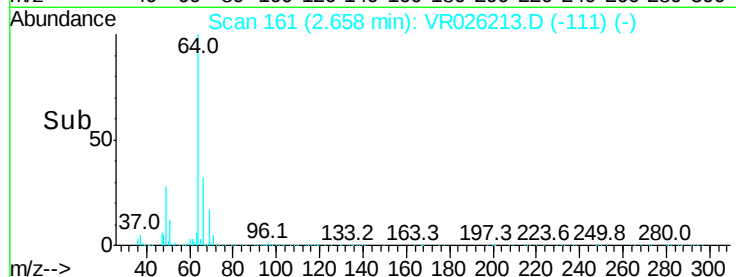
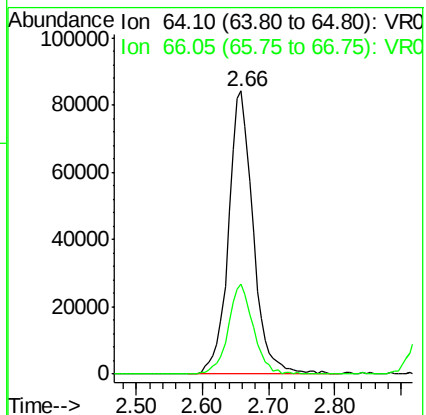
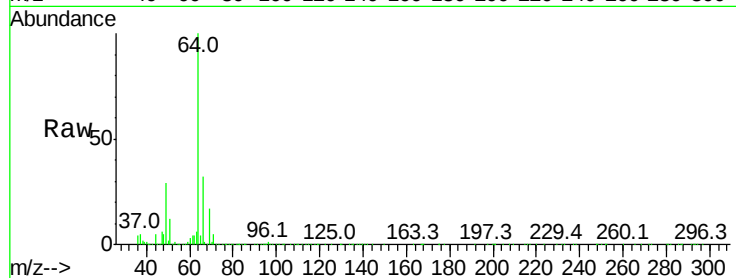
VSTD00590

Tgt Ion: 64 Resp: 217922

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



#9

Trichlorofluoromethane

Concen: 2.523 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026213.D

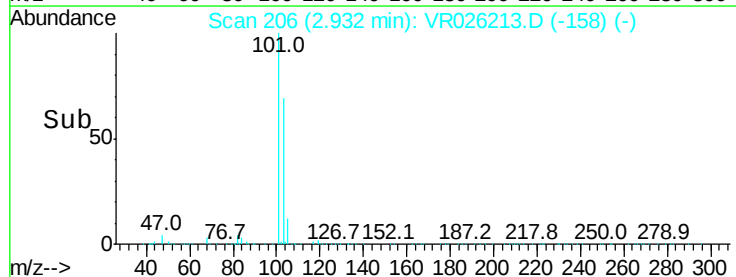
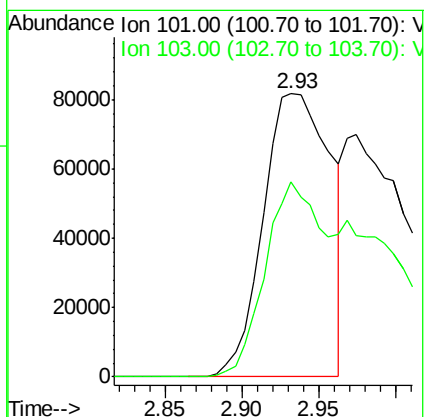
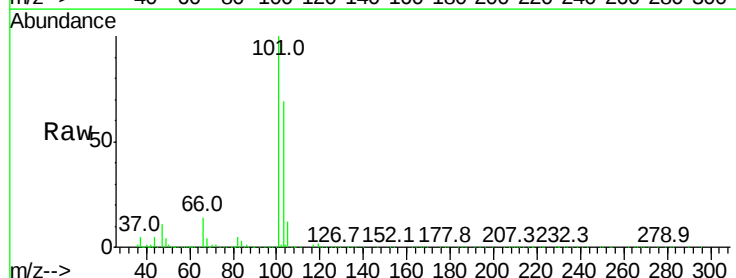
Acq: 8 Nov 2018 14:08

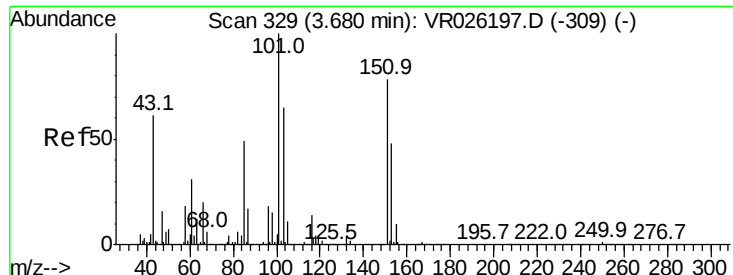
Tgt Ion: 101 Resp: 249153

Ion Ratio Lower Upper

101 100

103 58.2 26.0 39.0#





#10

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

Concen: 5.374 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampled :

VSTD00590

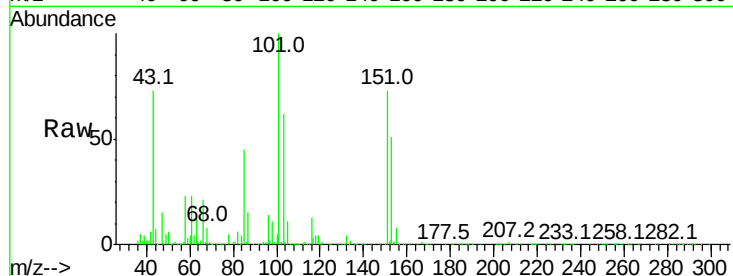
Tgt Ion:101 Resp: 316422

Ion Ratio Lower Upper

101 100

85 46.6 37.8 56.8

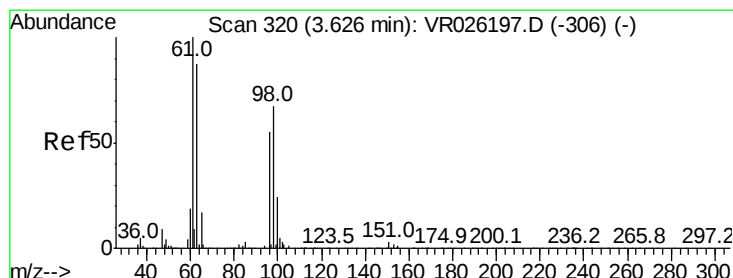
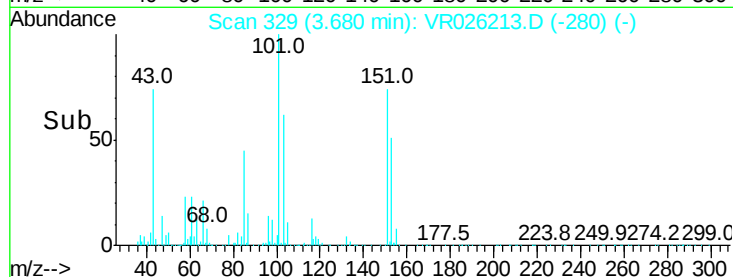
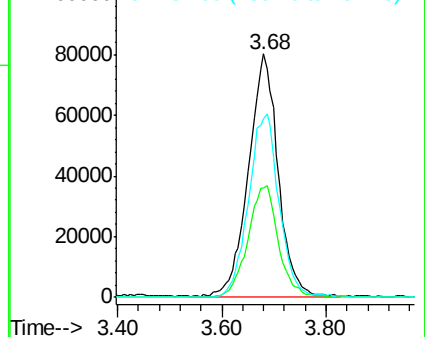
151 76.8 63.2 94.8



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: 5.098 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

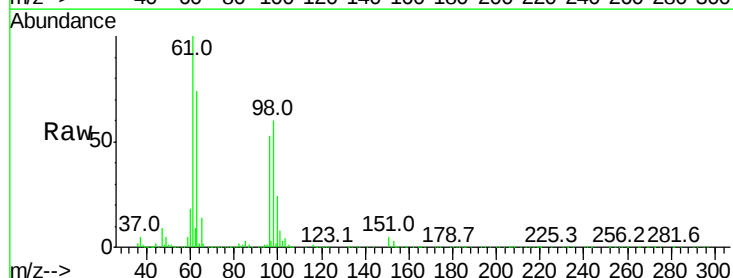
Tgt Ion: 96 Resp: 319171

Ion Ratio Lower Upper

96 100

61 188.5 126.7 235.3

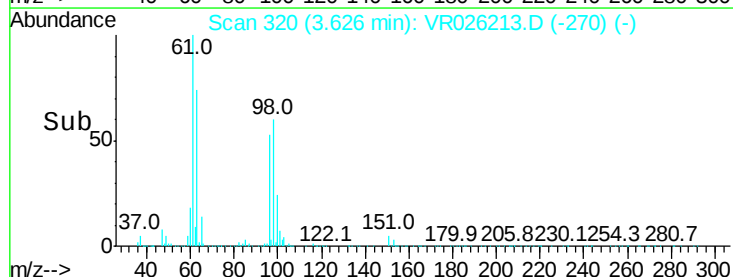
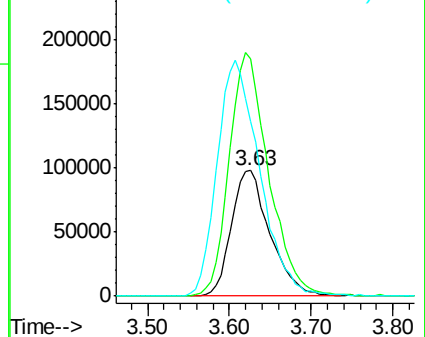
63 139.4 125.0 232.2

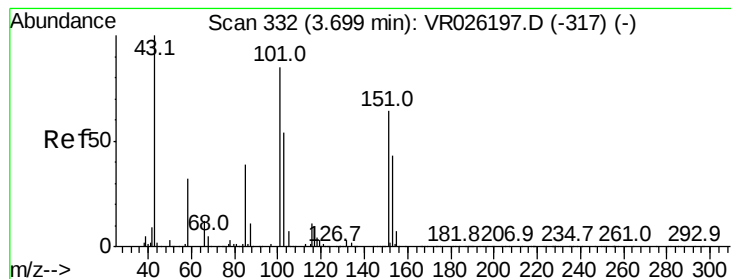


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 51.734 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

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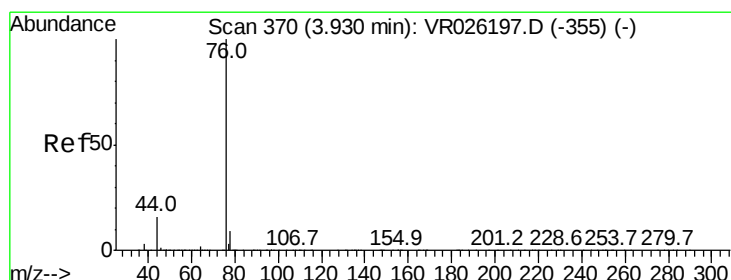
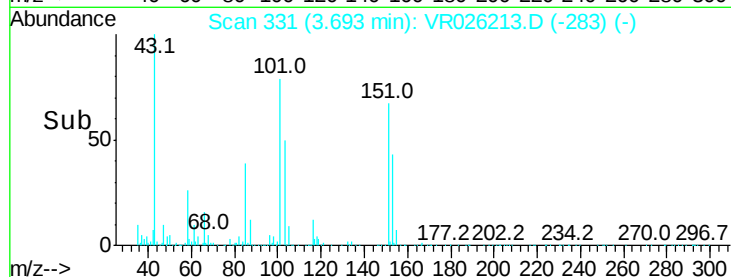
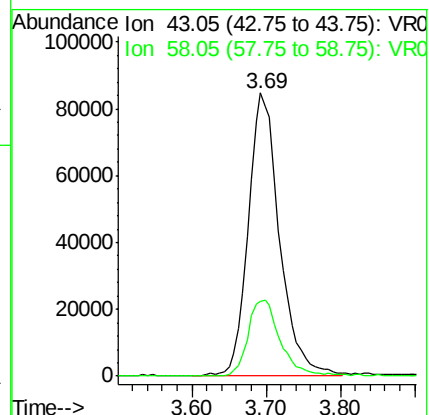
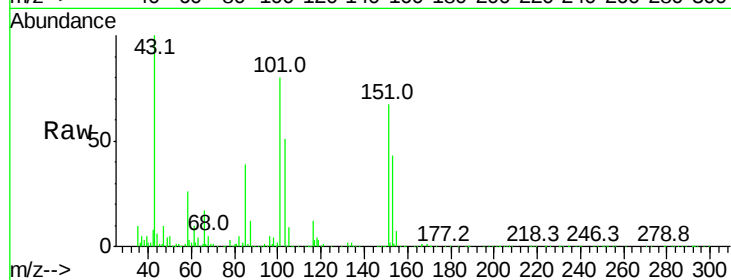
VSTD00590

Tgt Ion: 43 Resp: 247403

Ion Ratio Lower Upper

43 100

58 27.7 0.0 55.4



#14

Carbon disulfide

Concen: 5.361 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026213.D

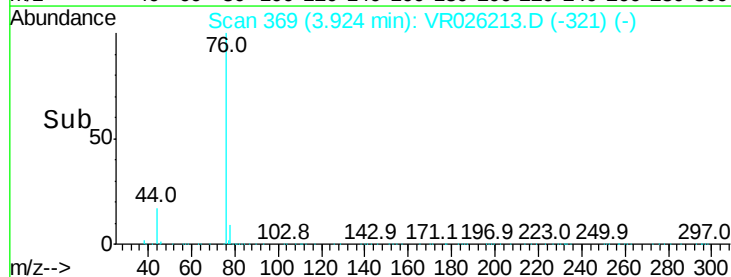
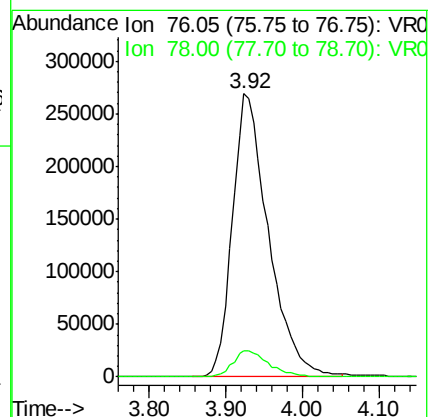
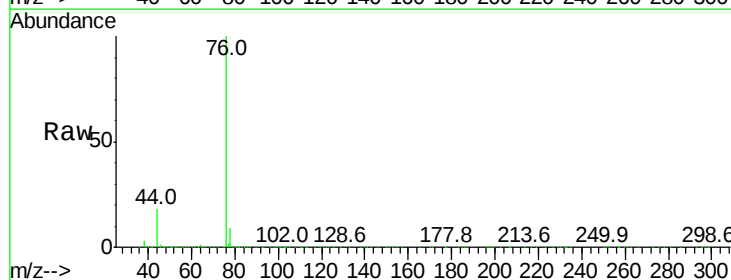
Acq: 8 Nov 2018 14:08

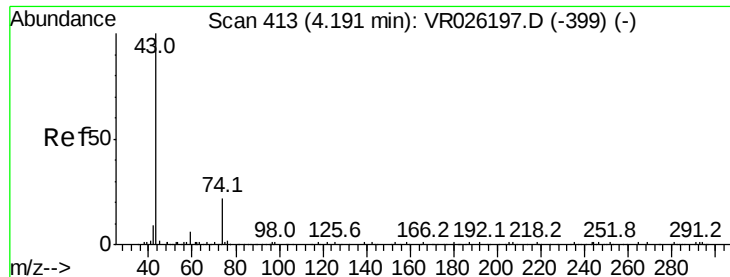
Tgt Ion: 76 Resp: 877511

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

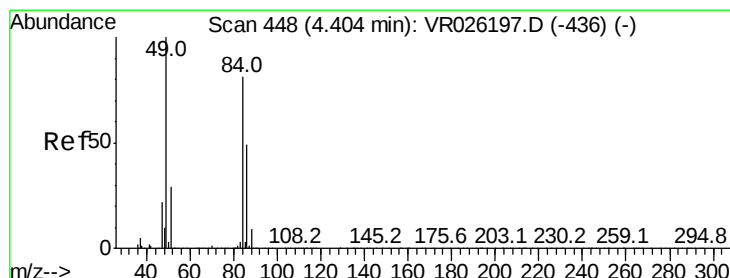
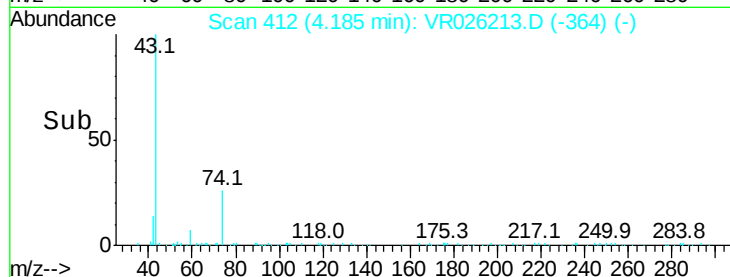
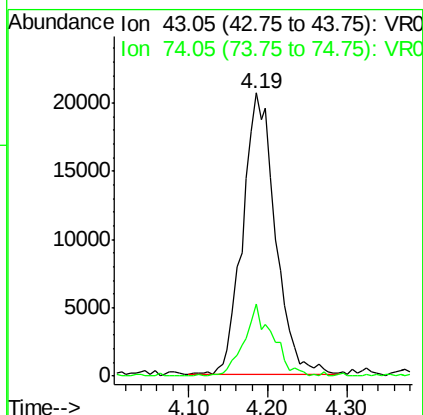
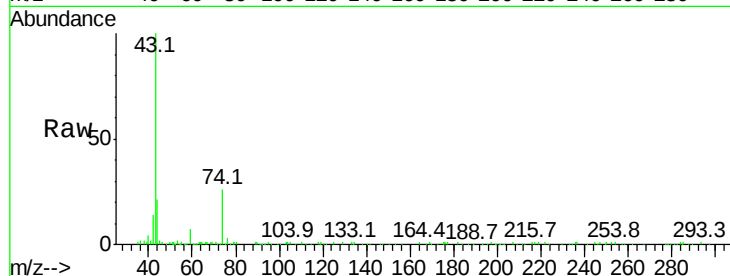




#15
Methyl Acetate
Concen: 4.725 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.01 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

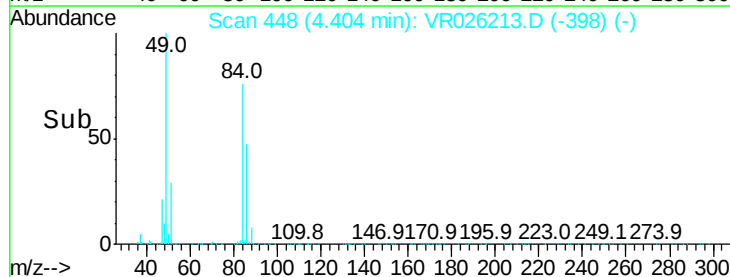
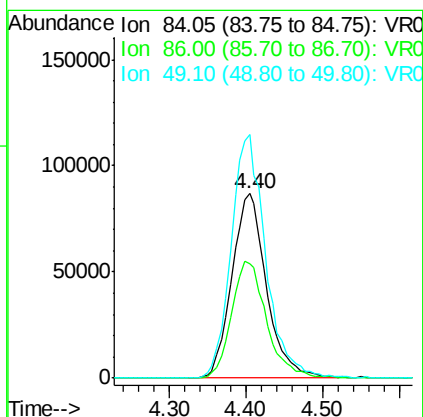
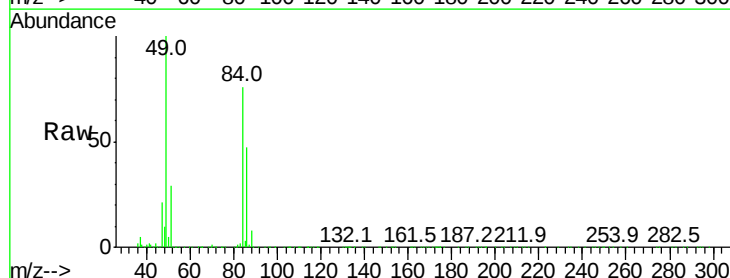
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

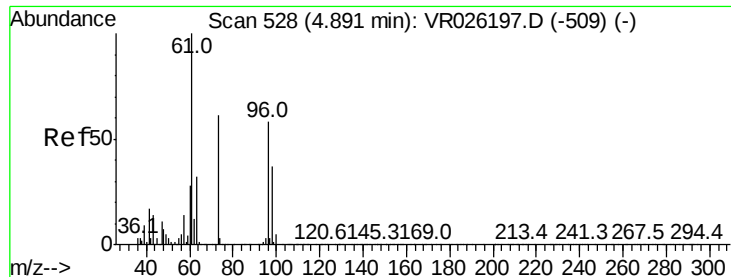
Tgt Ion: 43 Resp: 59032
Ion Ratio Lower Upper
43 100
74 22.5 19.8 29.8



#16
Methylene chloride
Concen: 4.776 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.01 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Tgt Ion: 84 Resp: 271132
Ion Ratio Lower Upper
84 100
86 62.4 43.0 79.8
49 132.2 89.1 165.5

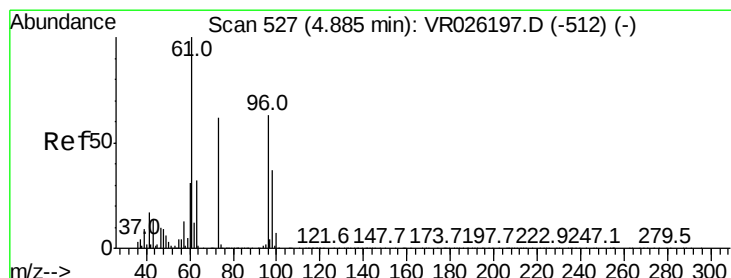
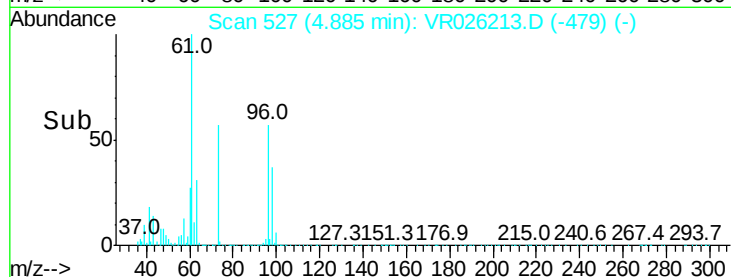
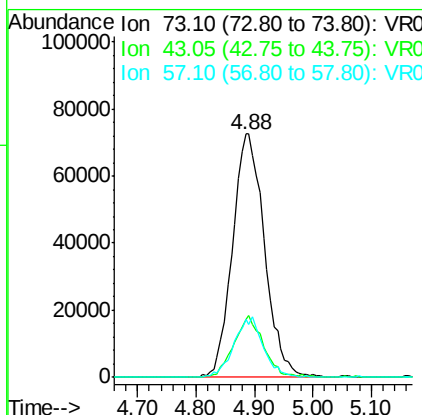
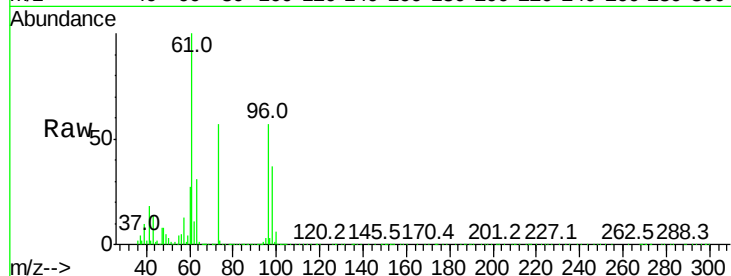




#17
Methyl tert-butyl Ether
Concen: 4.861 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

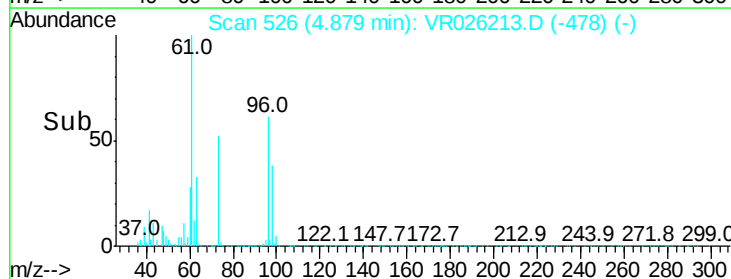
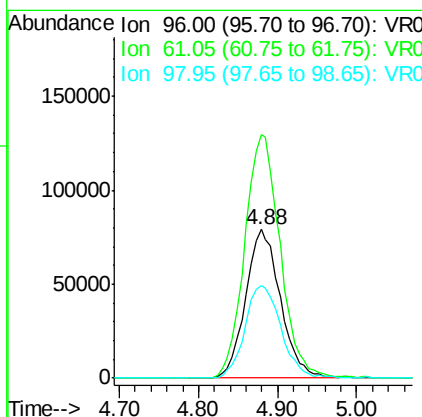
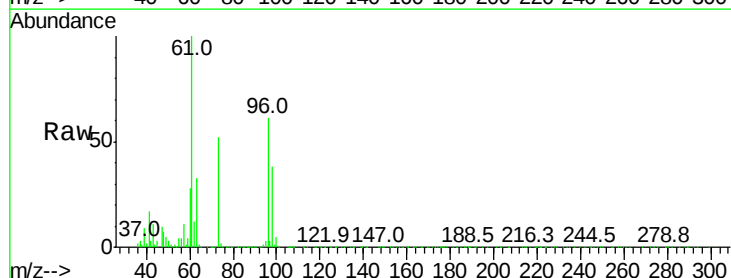
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

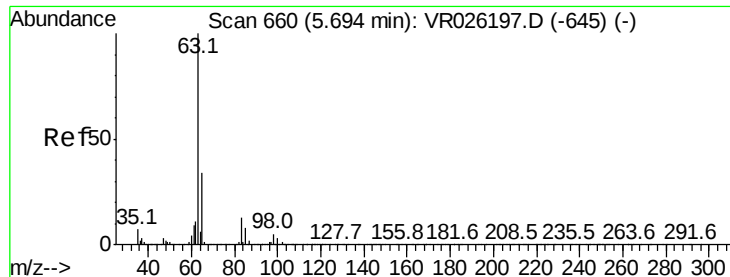
Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.6	20.1	30.1
57	22.8	19.0	28.4



#18
trans-1,2-Dichloroethene
Concen: 5.097 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	111.4	206.8
98	62.6	41.4	77.0

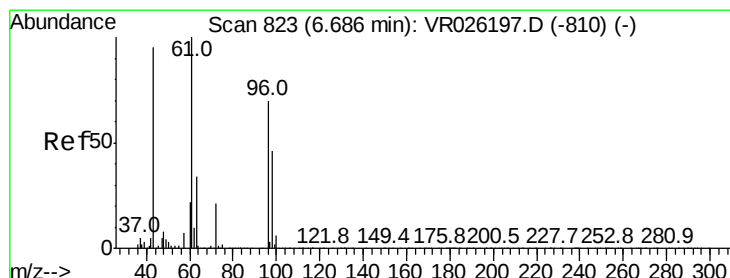
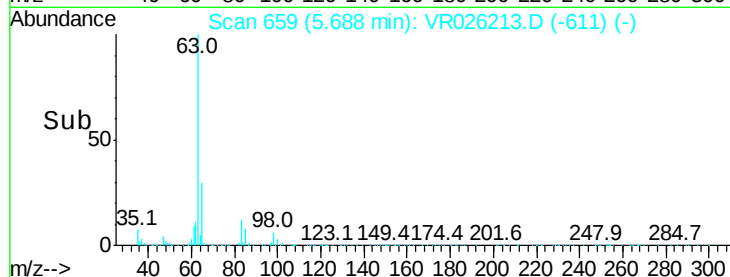
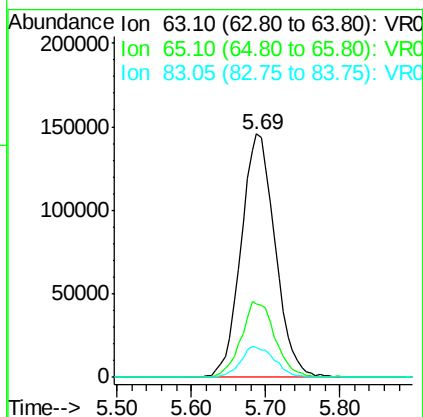
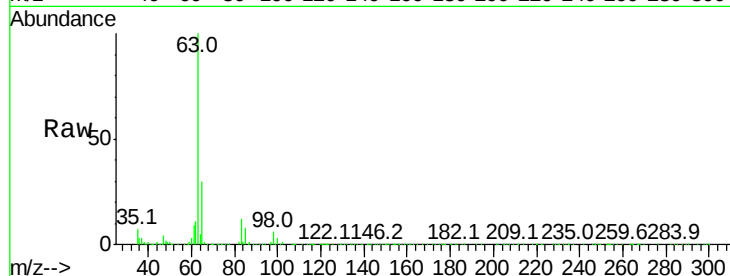




#19
 1,1-Dichloroethane
 Concen: 5.254 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

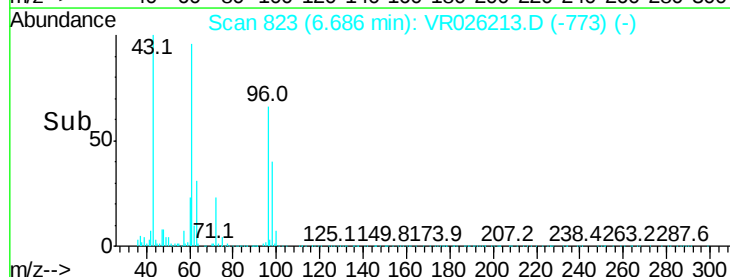
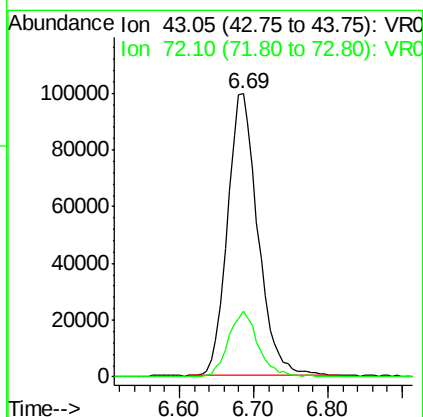
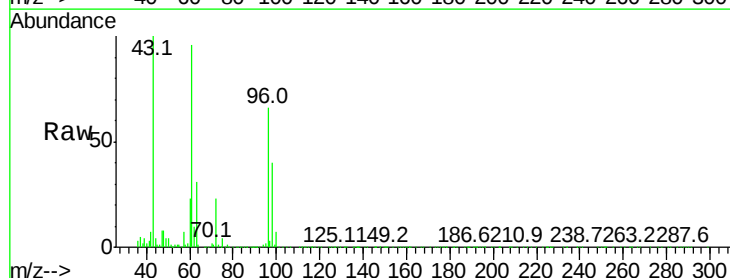
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

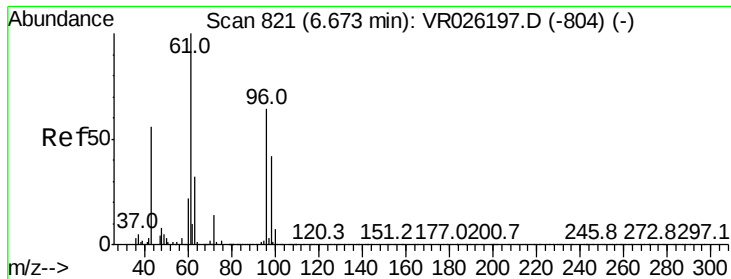
Tgt Ion: 63 Resp: 467068
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.2 39.4
 83 12.4 9.2 17.2



#21
 2-Butanone
 Concen: 51.600 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Tgt Ion: 43 Resp: 284674
 Ion Ratio Lower Upper
 43 100
 72 22.9 12.3 36.8



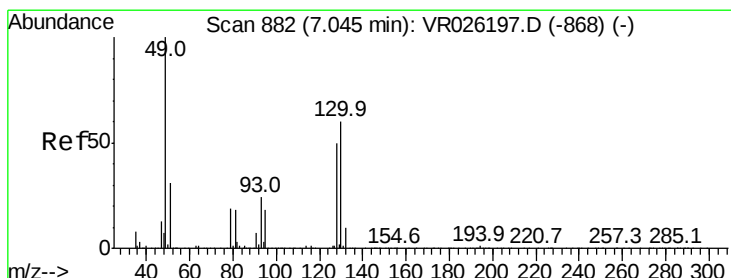
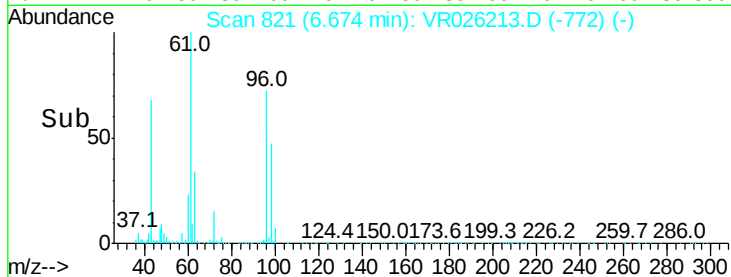
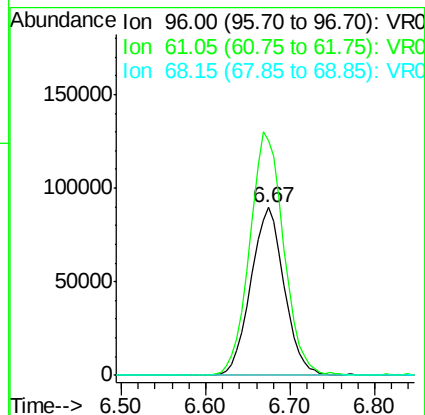
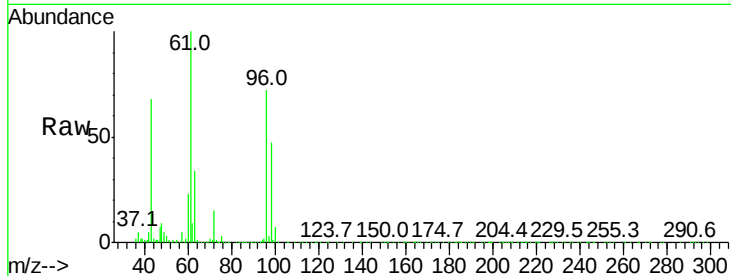


#22

cis-1,2-Dichloroethene
Concen: 5.389 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

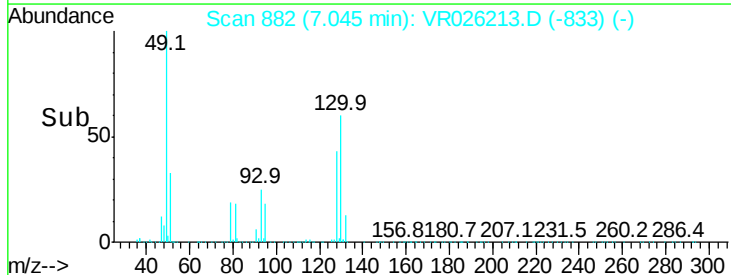
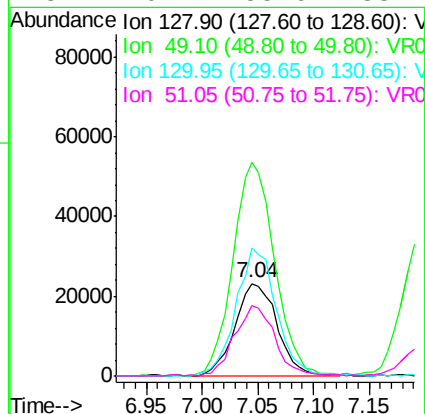
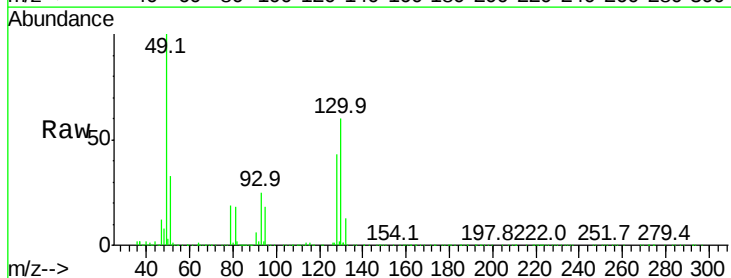
Tgt Ion: 96 Resp: 241376
Ion Ratio Lower Upper
96 100
61 139.5 101.8 189.0
68 0.1 0.1 0.3#

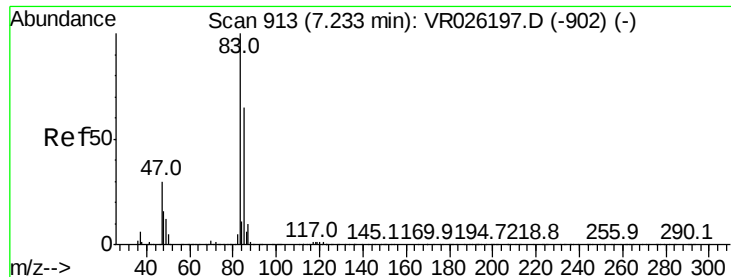


#23

Bromochloromethane
Concen: 4.811 ug/L
RT: 7.04 min Scan# 882
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Tgt Ion: 128 Resp: 60442
Ion Ratio Lower Upper
128 100
49 231.2 146.2 271.4
130 139.2 92.5 171.7
51 76.4 55.6 83.4





#25

Chloroform

Concen: 5.297 ug/L

RT: 7.23 min Scan# 912

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

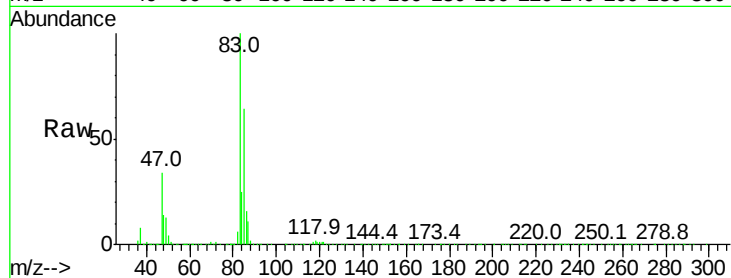
VSTD00590

Tgt Ion: 83 Resp: 459504

Ion Ratio Lower Upper

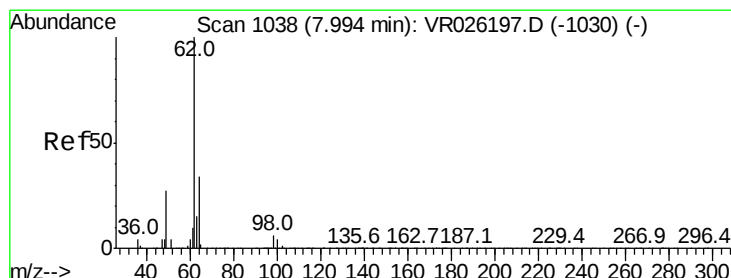
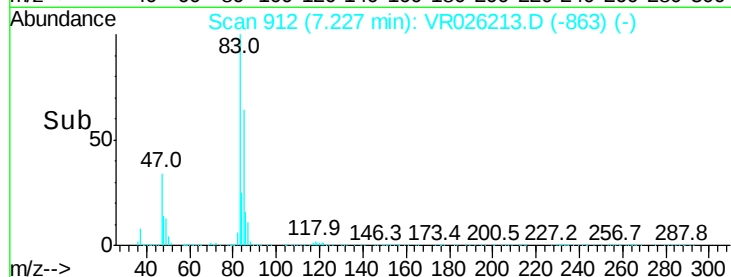
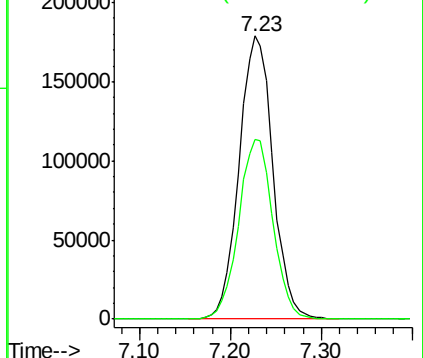
83 100

85 63.6 43.5 80.7



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.971 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026213.D

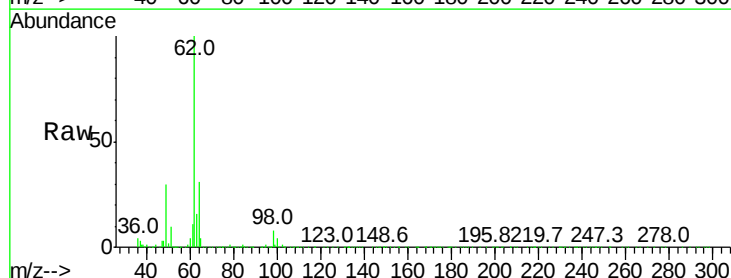
Acq: 8 Nov 2018 14:08

Tgt Ion: 62 Resp: 211119

Ion Ratio Lower Upper

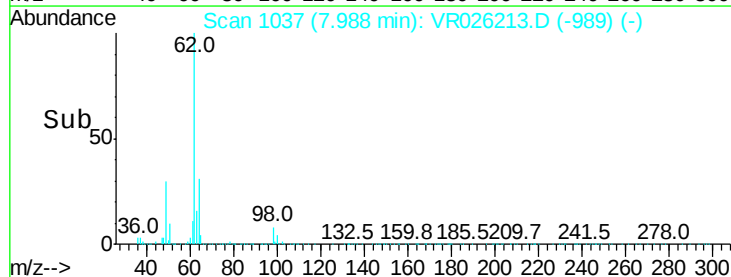
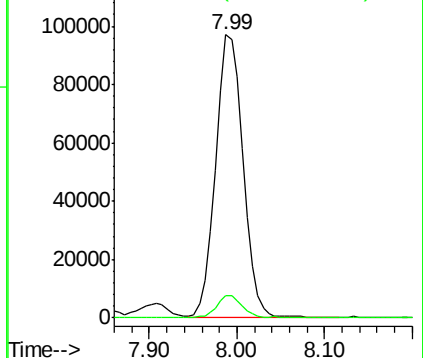
62 100

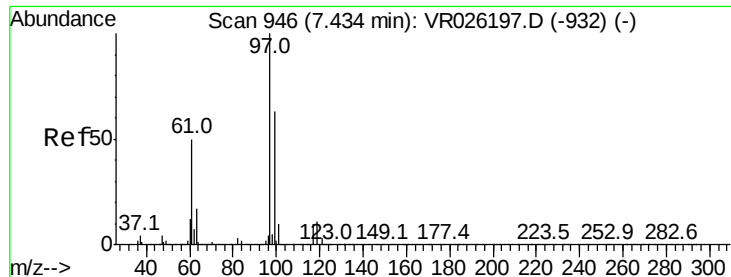
98 7.9 5.6 8.4



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

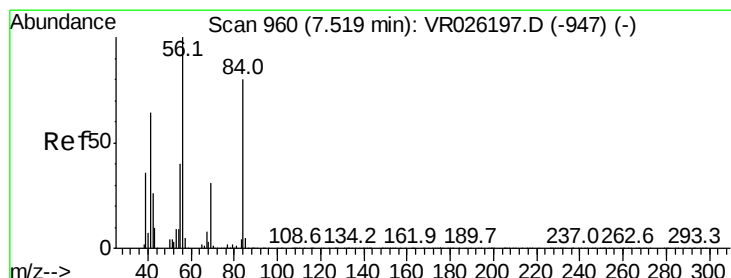
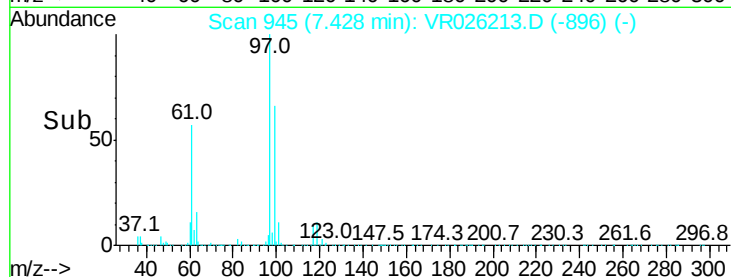
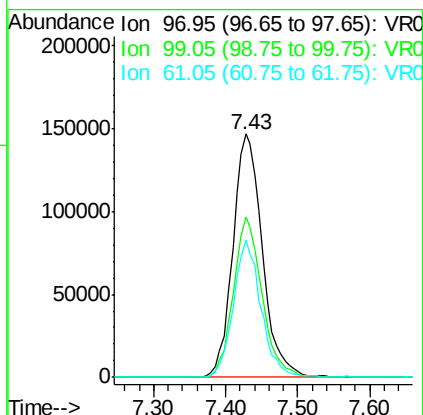
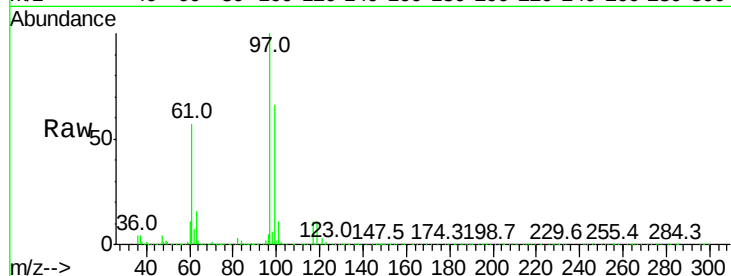




#29
 1,1,1-Trichloroethane
 Concen: 5.598 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

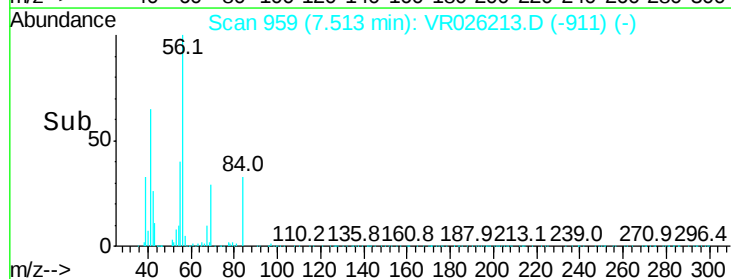
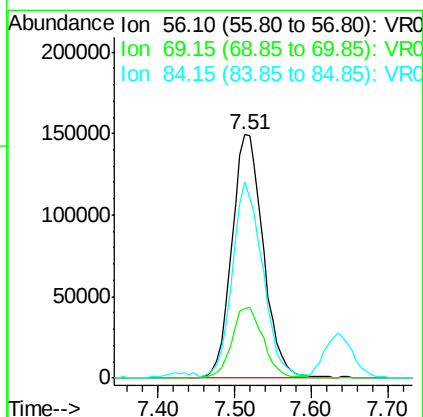
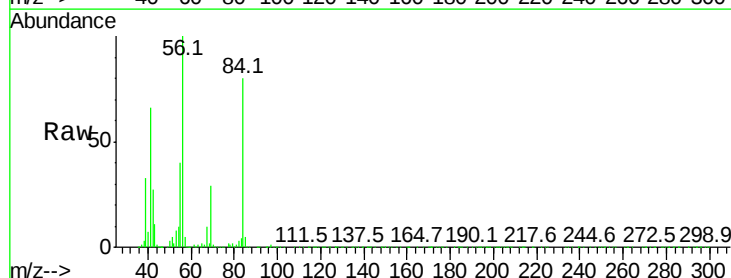
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

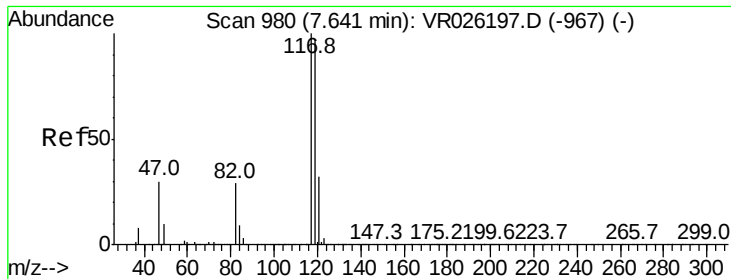
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	53.3	42.1	63.1



#30
 Cyclohexane
 Concen: 5.673 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.8	35.8
84	77.6	62.2	93.4





#31

Carbon tetrachloride

Concen: 5.539 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

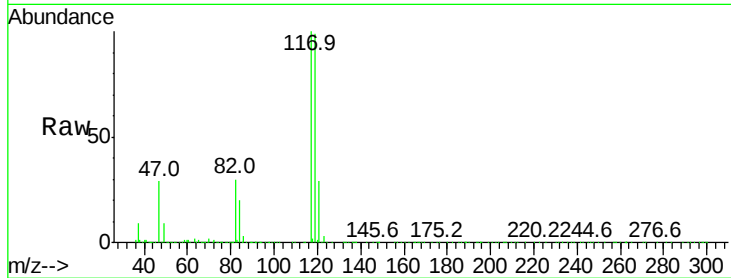
VSTD00590

Tgt Ion:117 Resp: 374020

Ion Ratio Lower Upper

117 100

119 95.3 74.2 111.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

150000

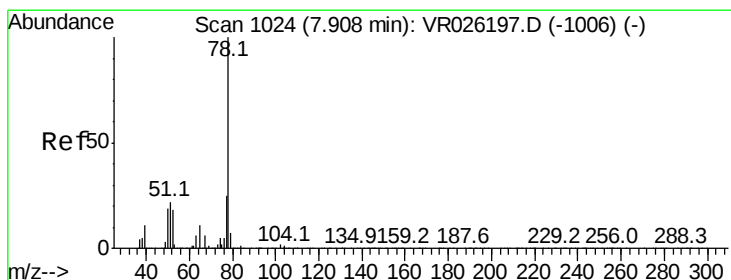
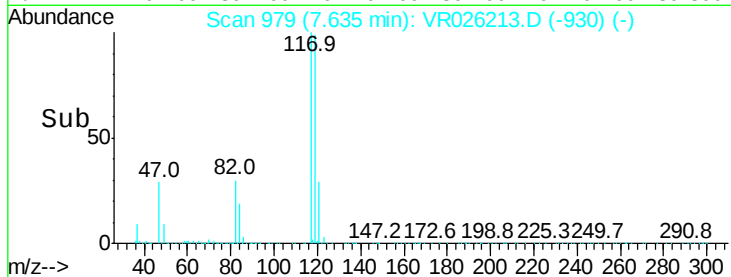
100000

50000

0

7.50 7.60 7.70

Time-->



#33

Benzene

Concen: 5.456 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Tgt Ion: 78 Resp: 1112601



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.90

600000

500000

400000

300000

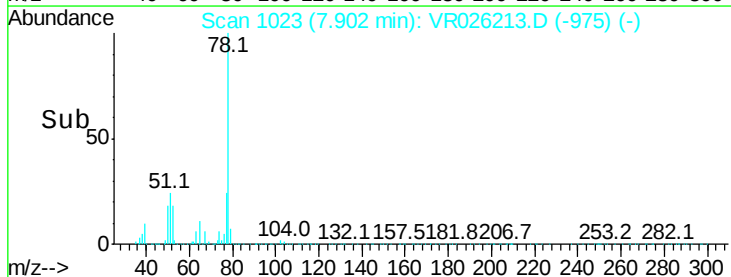
200000

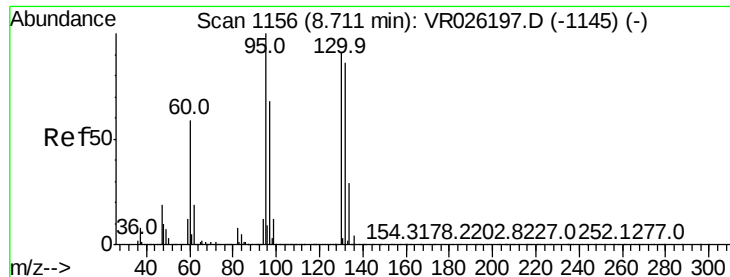
100000

0

7.70 7.80 7.90 8.00

Time-->

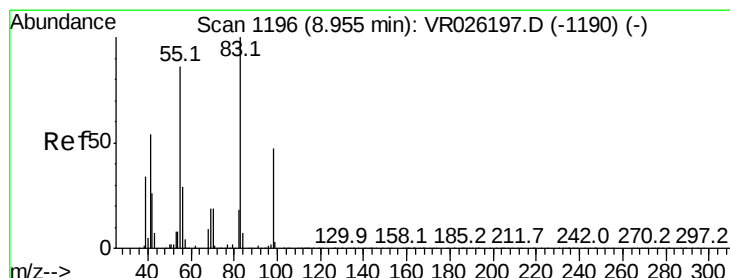
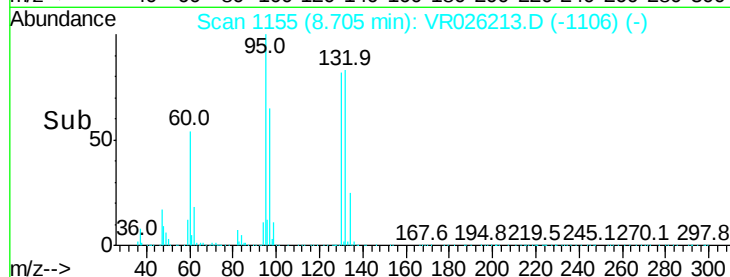
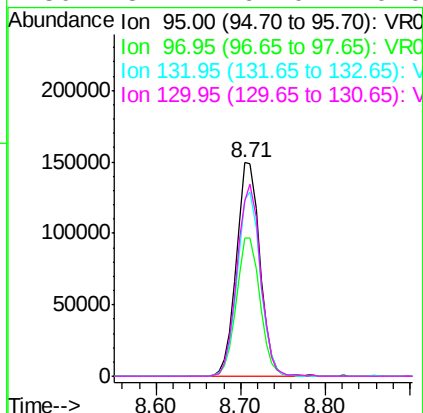
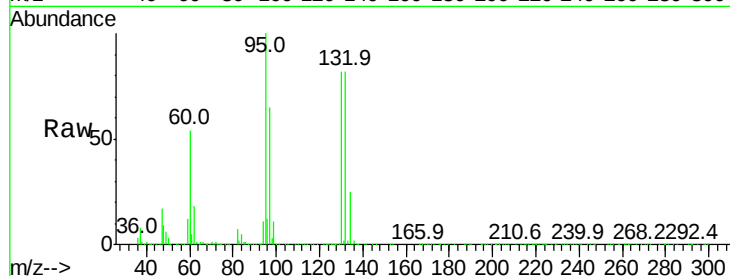




#34
 Trichloroethene
 Concen: 5.366 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

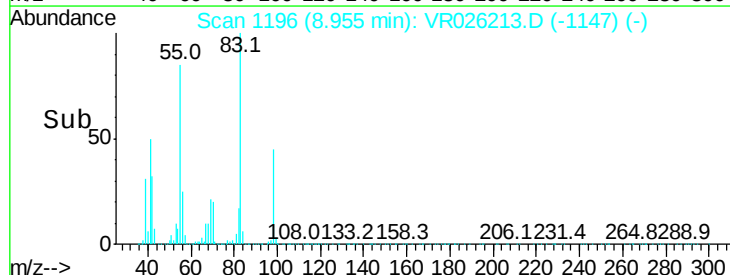
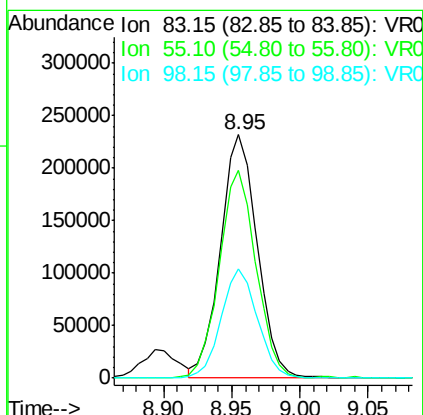
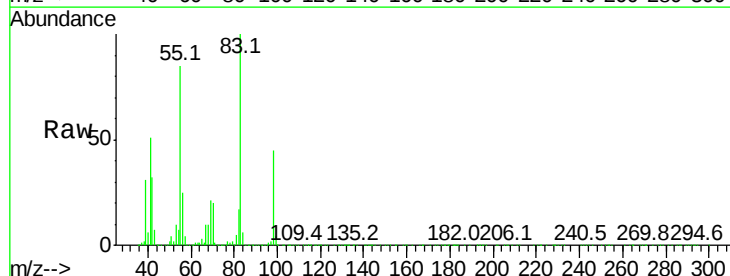
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

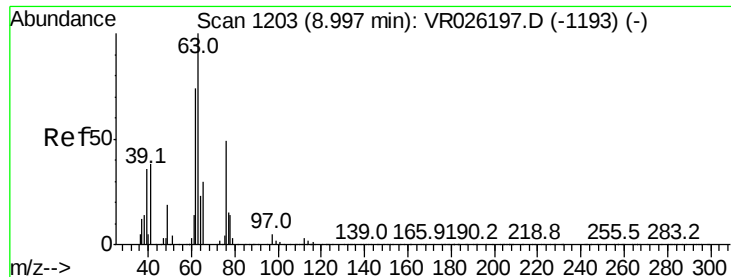
Tgt Ion:	95	Resp:	280094
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.7	84.9
132	82.4	58.3	108.3
130	82.1	64.0	119.0



#35
 Methylcyclohexane
 Concen: 5.577 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Tgt Ion:	83	Resp:	433363
Ion	Ratio	Lower	Upper
83	100		
55	86.1	66.8	100.2
98	44.4	35.2	52.8





#37

1,2-Dichloropropane

Concen: 5.499 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. 0.00 min

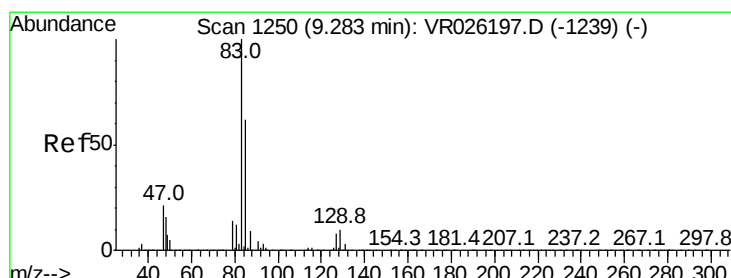
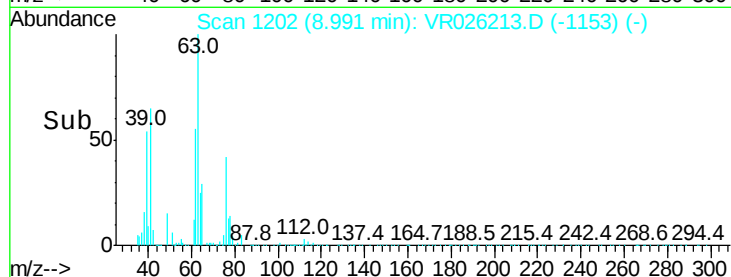
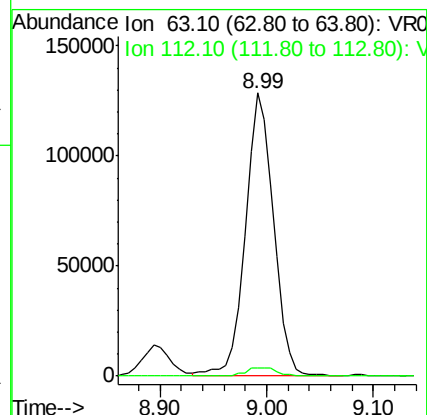
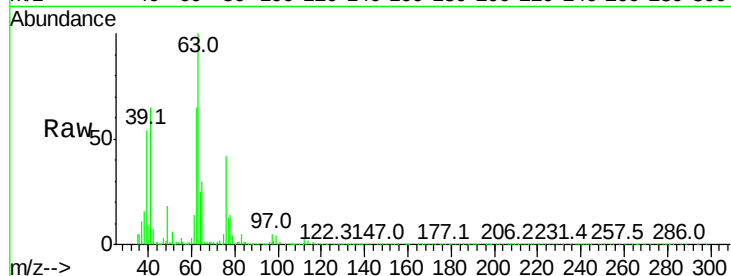
Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

Tgt Ion: 63 Resp: 236582

Ion	Ratio	Lower	Upper
63	100		
112	3.5	2.7	4.1



#38

Bromodichloromethane

Concen: 5.488 ug/L

RT: 9.28 min Scan# 1249

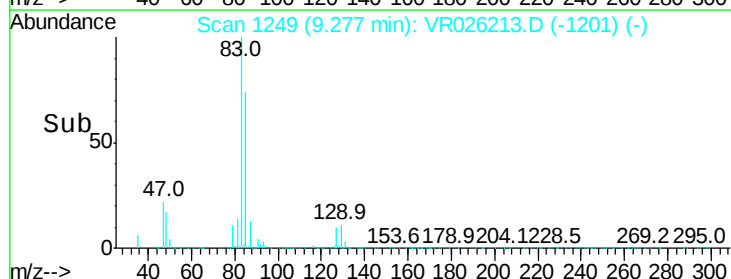
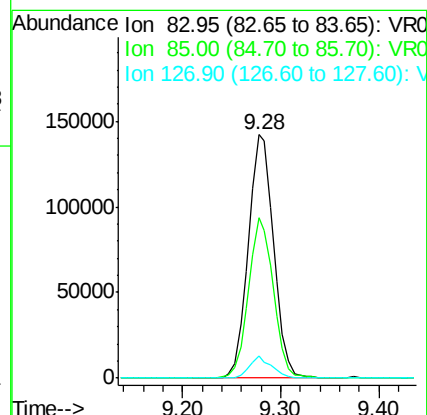
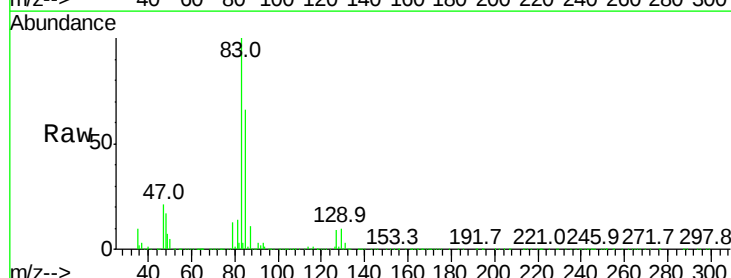
Delta R.T. -0.01 min

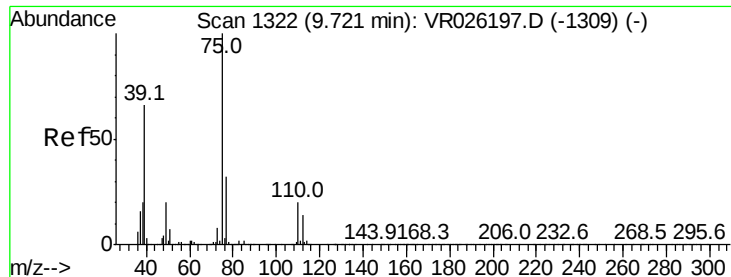
Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Tgt Ion: 83 Resp: 253903

Ion	Ratio	Lower	Upper
83	100		
85	65.9	43.5	80.7
127	8.9	7.0	10.6





#39

cis-1,3-Dichloropropene

Concen: 5.439 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

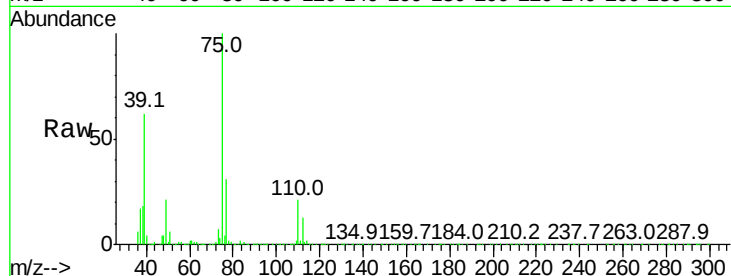
VSTD00590

Tgt Ion: 75 Resp: 267812

Ion Ratio Lower Upper

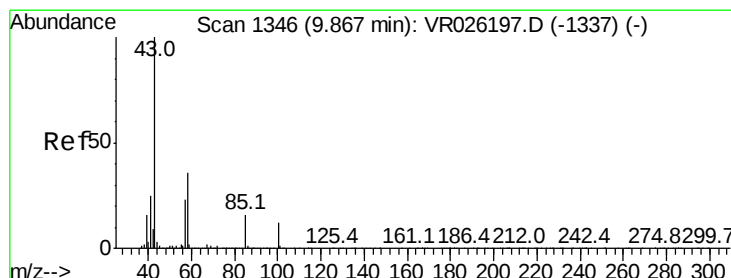
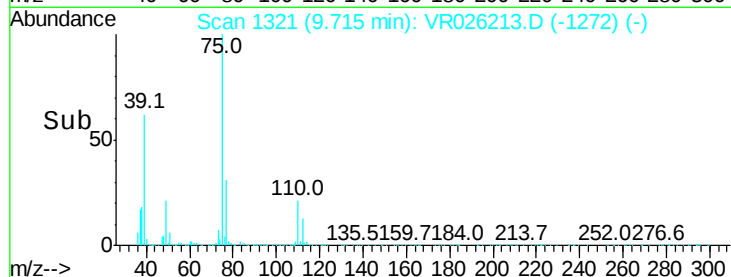
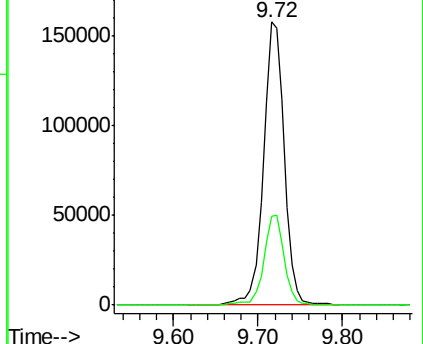
75 100

77 31.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#40

4-Methyl-2-pentanone

Concen: 52.780 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

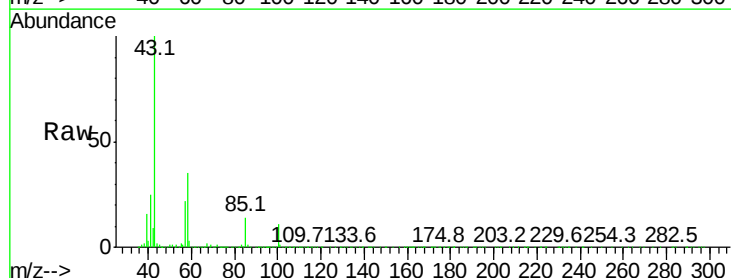
Tgt Ion: 43 Resp: 693466

Ion Ratio Lower Upper

43 100

58 34.4 28.1 42.1

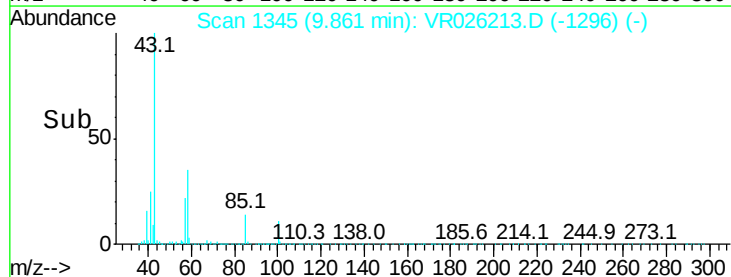
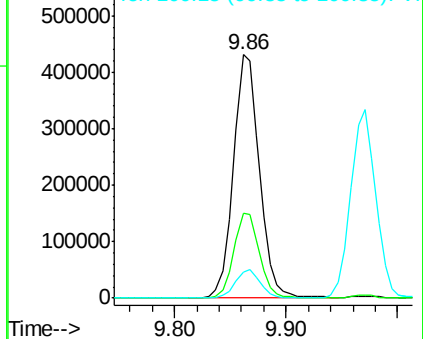
100 11.1 9.3 13.9

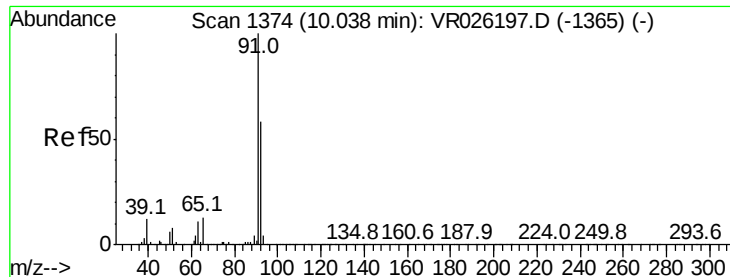


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0





#42

Toluene

Concen: 5.672 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

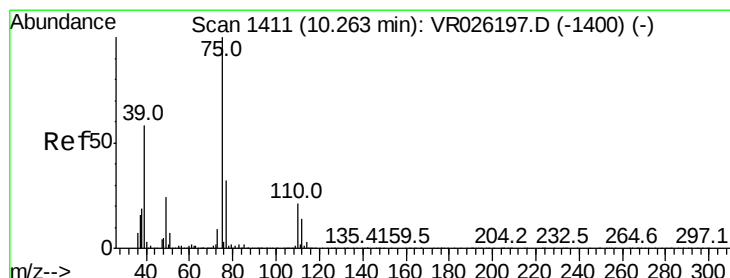
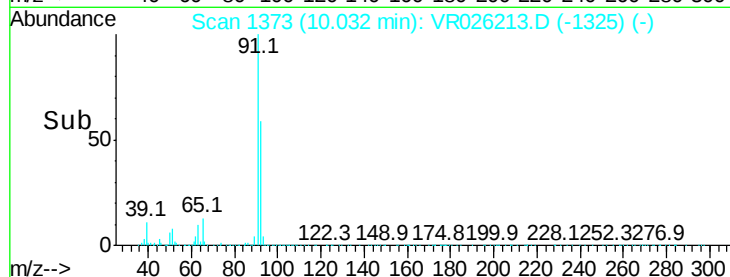
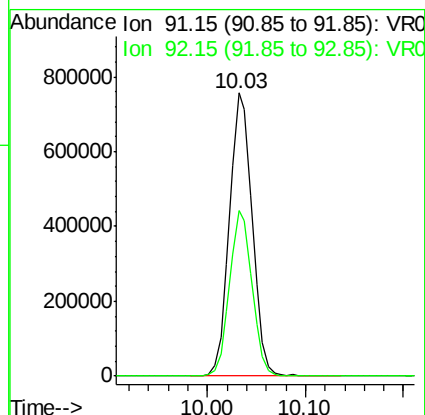
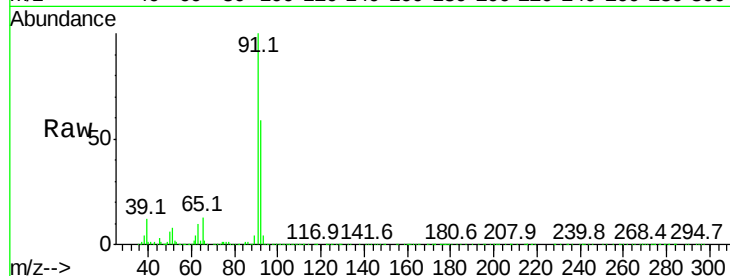
VSTD00590

Tgt Ion: 91 Resp: 1220743

Ion Ratio Lower Upper

91 100

92 58.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.526 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026213.D

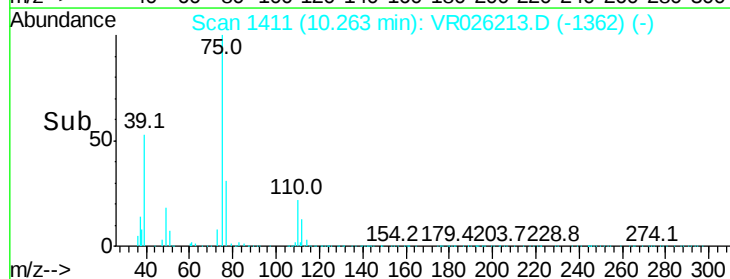
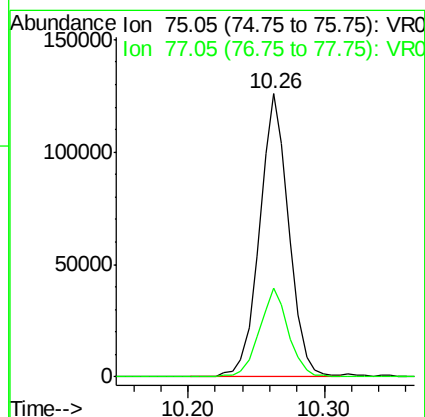
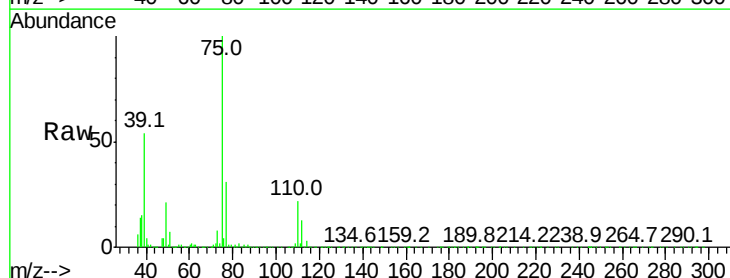
Acq: 8 Nov 2018 14:08

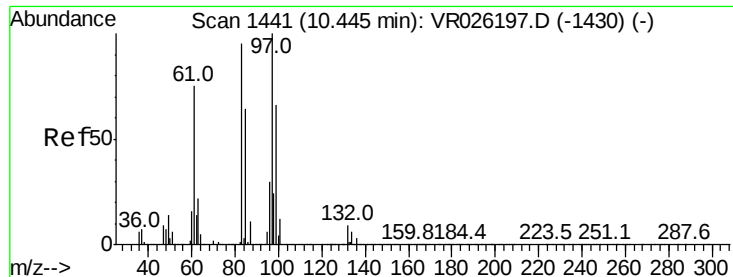
Tgt Ion: 75 Resp: 190100

Ion Ratio Lower Upper

75 100

77 31.4 24.1 44.7

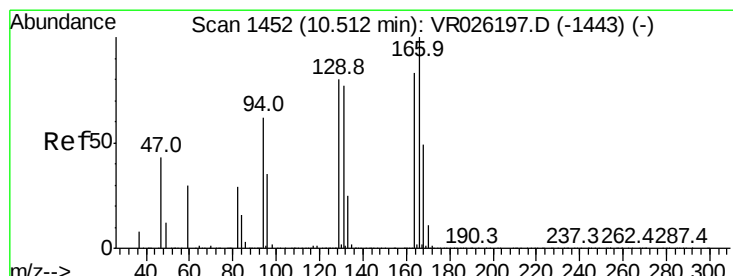
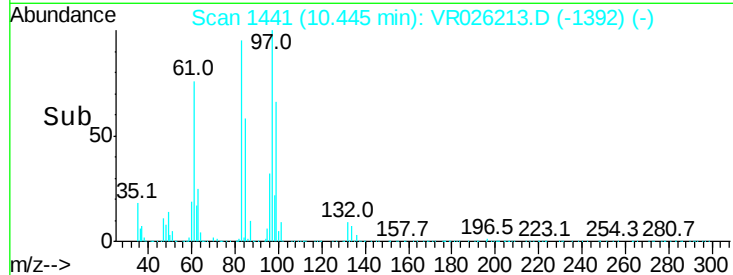
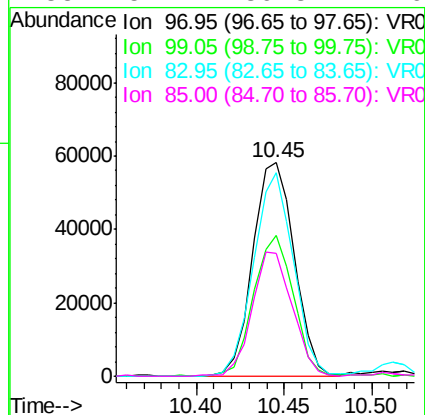
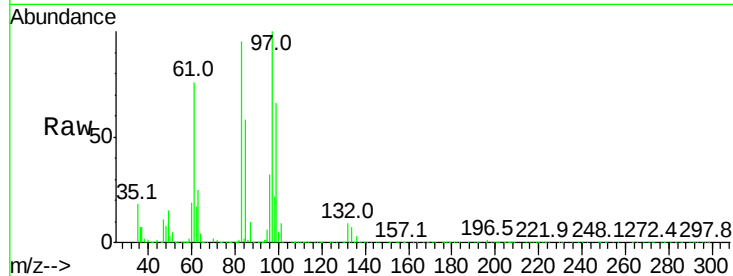




#45
 1,1,2-Trichloroethane
 Concen: 5.266 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

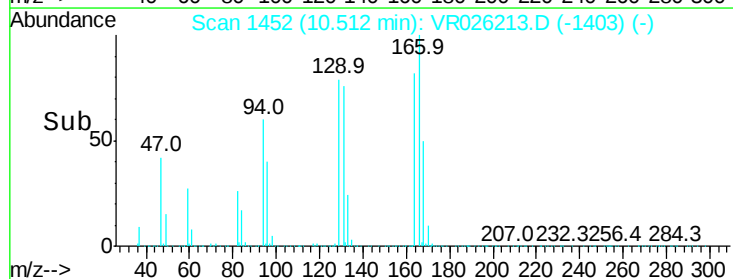
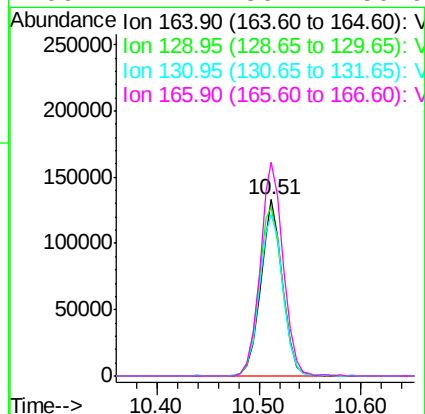
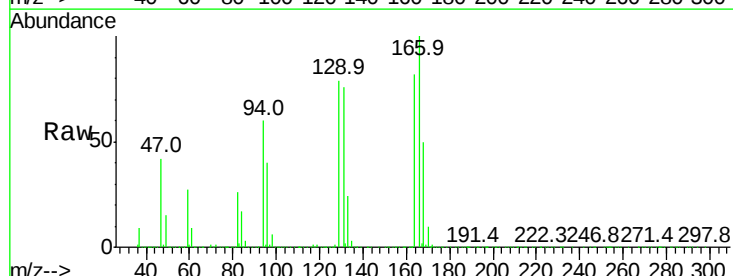
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

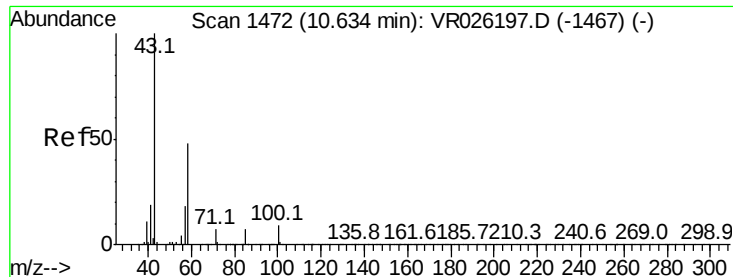
Tgt Ion:	97	Resp:	95571
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.8	79.4
83	95.3	61.9	114.9
85	57.7	39.3	72.9



#47
 Tetrachloroethene
 Concen: 5.301 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Tgt Ion:	164	Resp:	197555
Ion	Ratio	Lower	Upper
164	100		
129	96.3	70.3	130.5
131	91.9	67.3	125.1
166	121.2	86.1	159.9

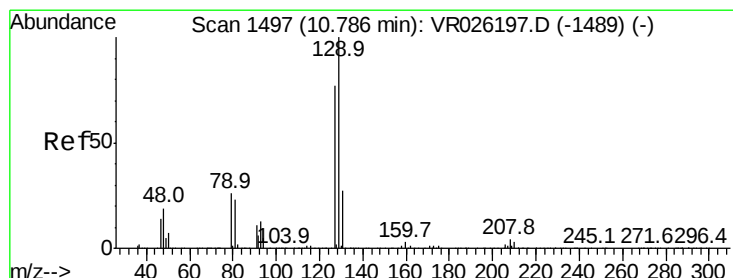
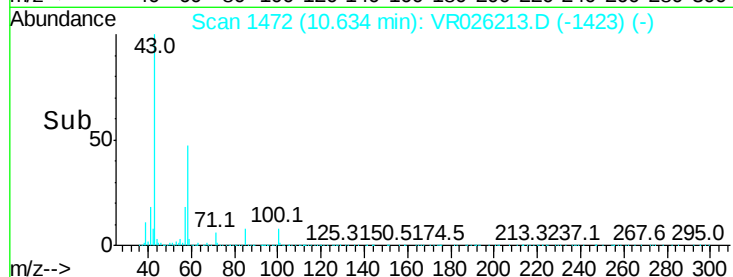
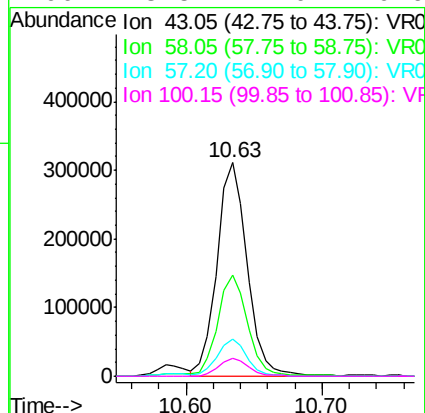
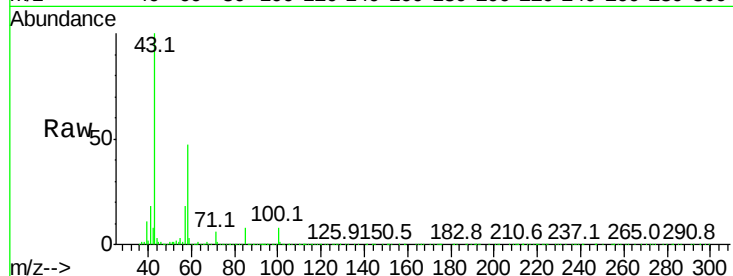




#48
2-Hexanone
Concen: 55.345 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

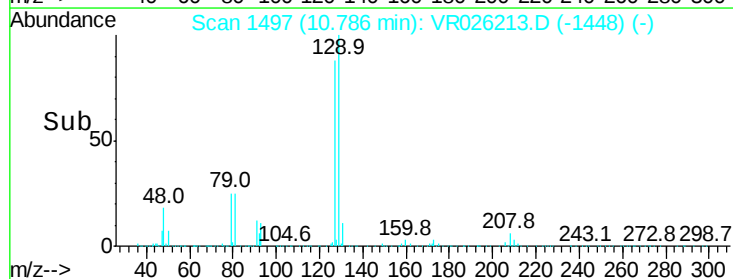
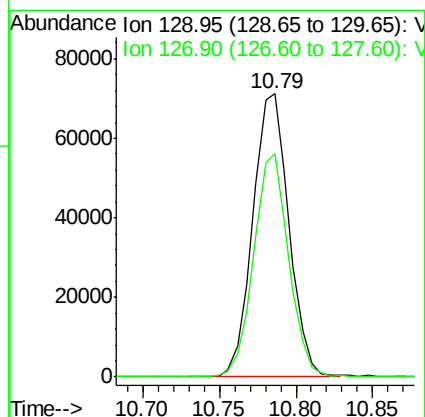
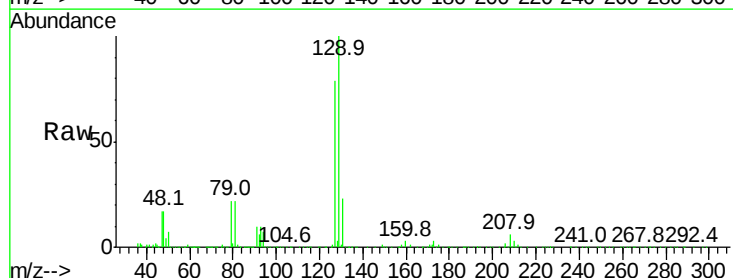
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

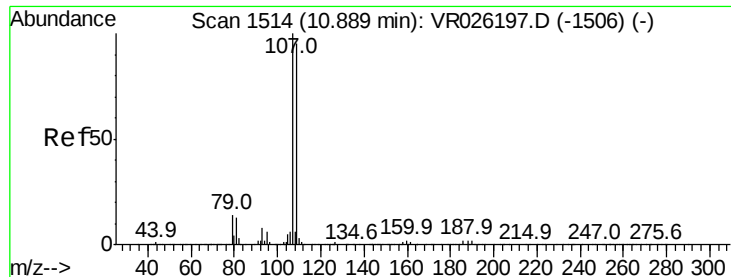
Tgt Ion:	43	Resp:	474935
Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.6	59.4
57	17.2	14.0	21.0
100	8.5	7.0	10.6



#49
Dibromochloromethane
Concen: 5.702 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Tgt Ion:	129	Resp:	116457
Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.0	102.2

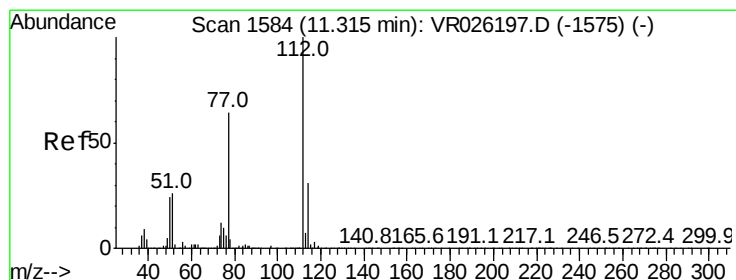
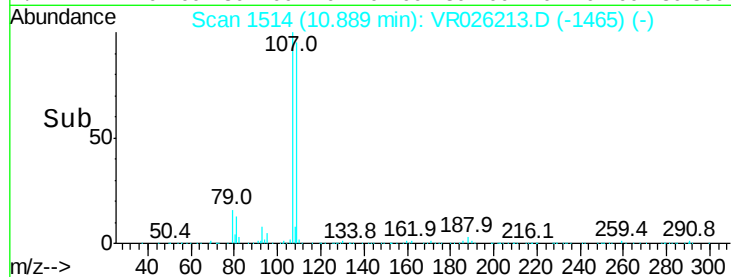
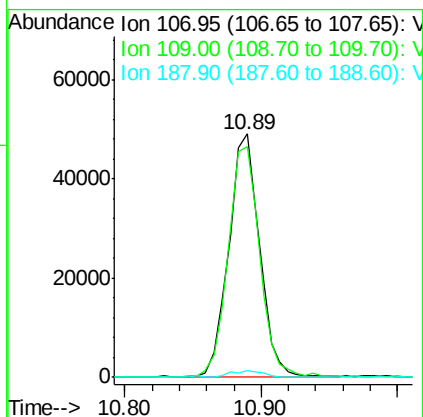
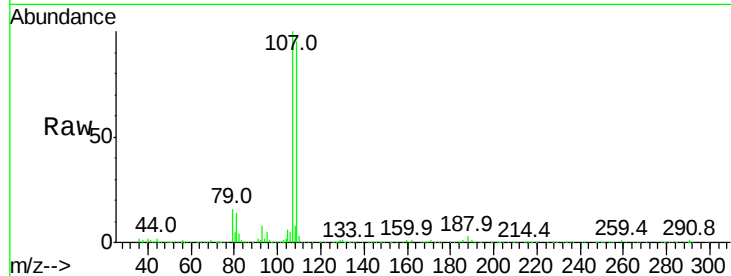




#50
1,2-Dibromoethane
Concen: 4.945 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

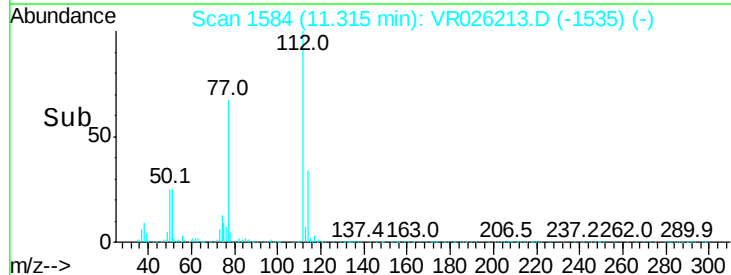
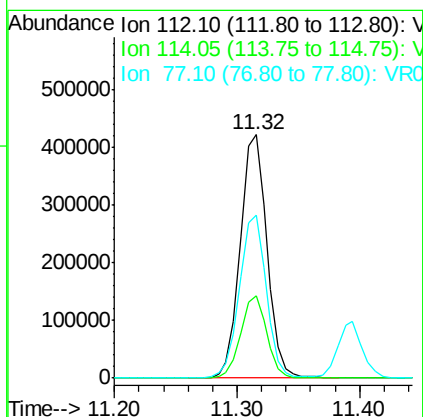
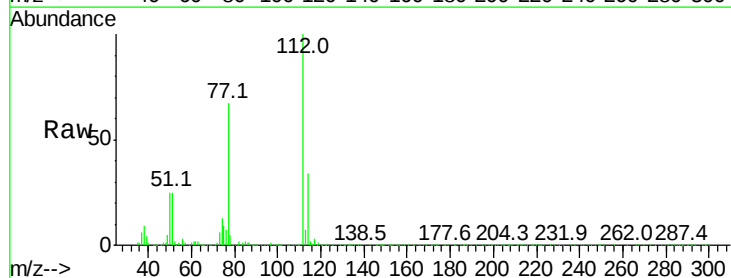
Instrument :
MSVOA_R
ClientSampleId :
VSTD00590

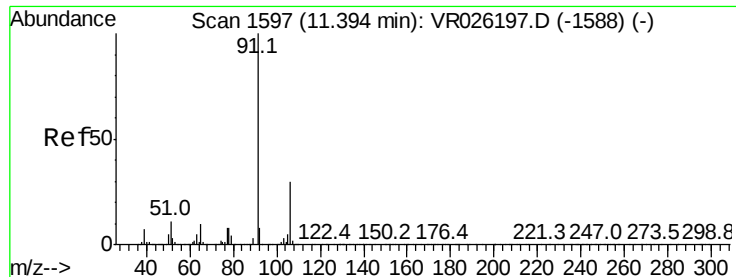
Tgt Ion:107 Resp: 77532
Ion Ratio Lower Upper
107 100
109 94.9 58.7 109.1
188 2.9 2.9 4.3#



#51
Chlorobenzene
Concen: 5.352 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026213.D
Acq: 8 Nov 2018 14:08

Tgt Ion:112 Resp: 637708
Ion Ratio Lower Upper
112 100
114 33.8 22.8 42.4
77 67.0 51.5 77.3





#52

Ethylbenzene

Concen: 5.839 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

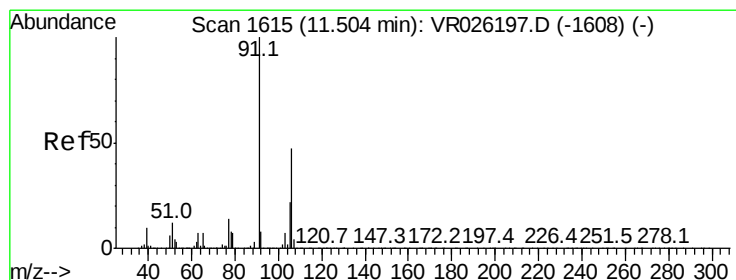
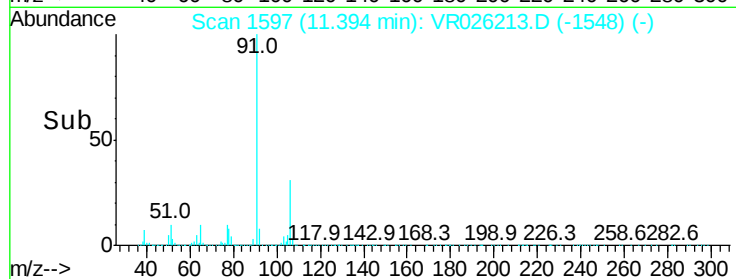
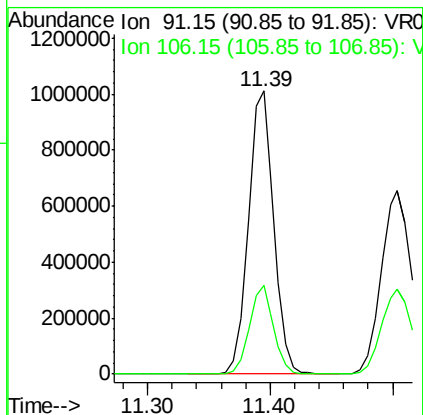
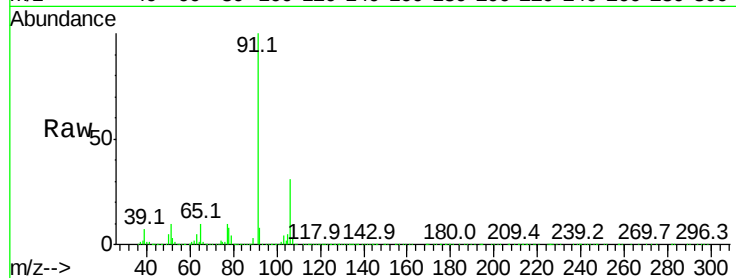
VSTD00590

Tgt Ion: 91 Resp: 1445174

Ion Ratio Lower Upper

91 100

106 31.2 21.2 39.4



#53

m,p-Xylene

Concen: 5.738 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026213.D

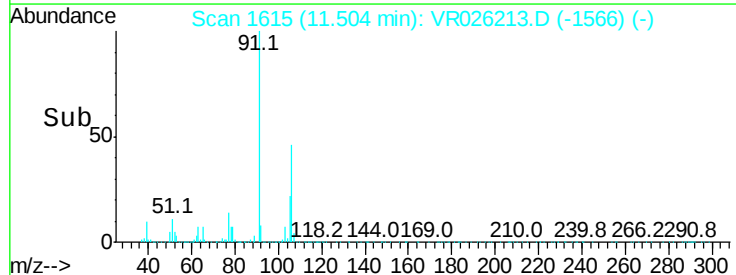
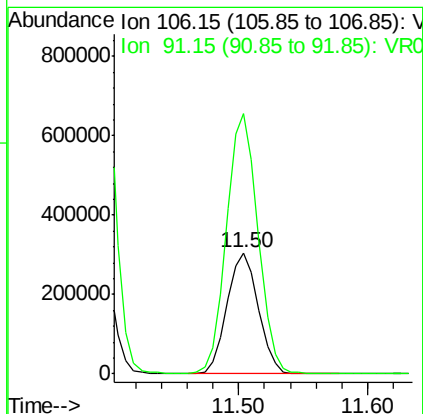
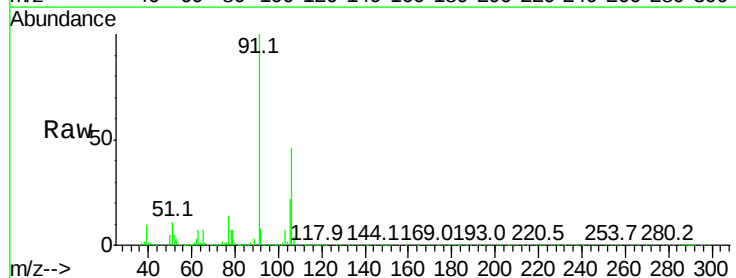
Acq: 8 Nov 2018 14:08

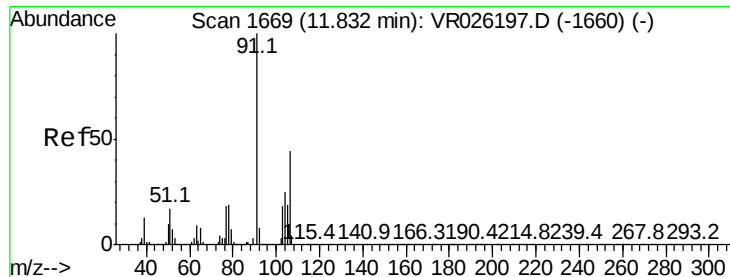
Tgt Ion: 106 Resp: 517400

Ion Ratio Lower Upper

106 100

91 215.1 145.3 269.8





#54

o-Xylene

Concen: 5.766 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

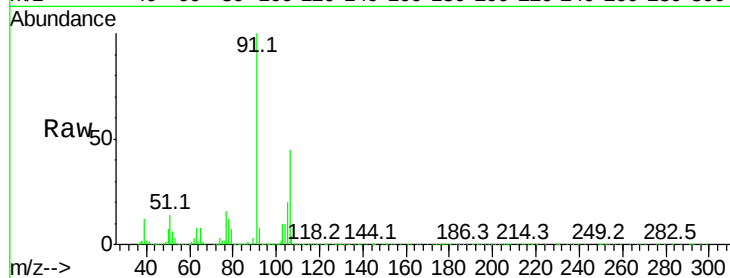
VSTD00590

Tgt Ion:106 Resp: 476649

Ion Ratio Lower Upper

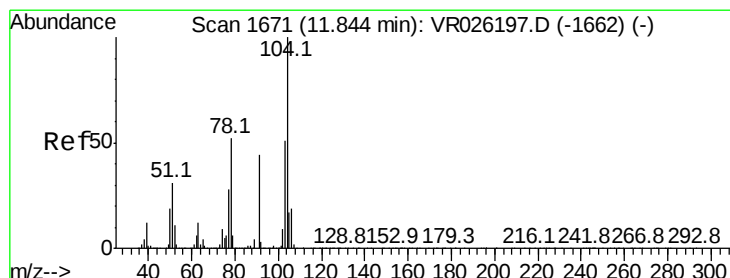
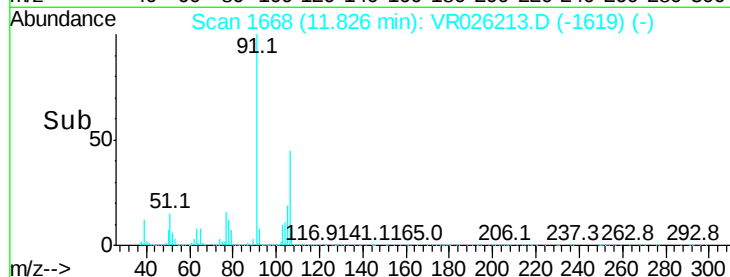
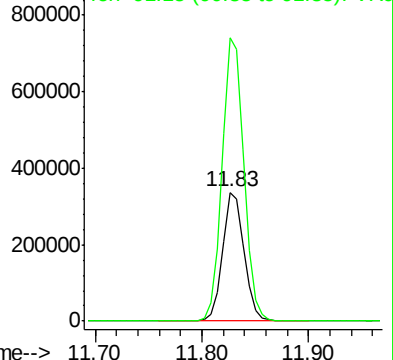
106 100

91 220.3 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 5.780 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026213.D

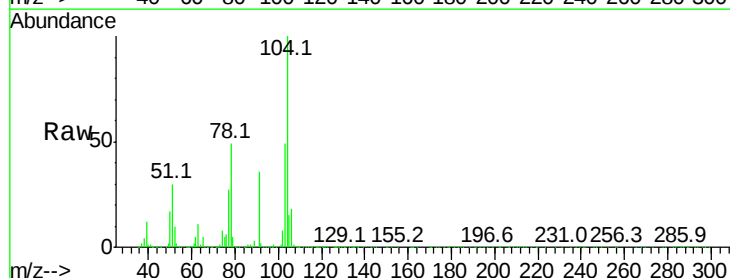
Acq: 8 Nov 2018 14:08

Tgt Ion:104 Resp: 735494

Ion Ratio Lower Upper

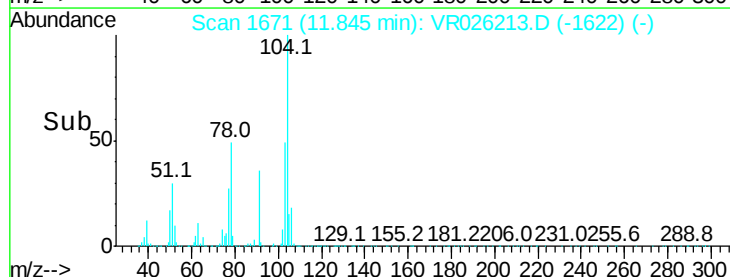
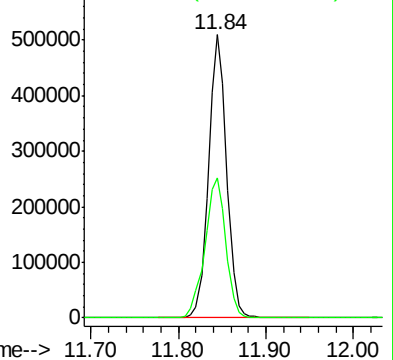
104 100

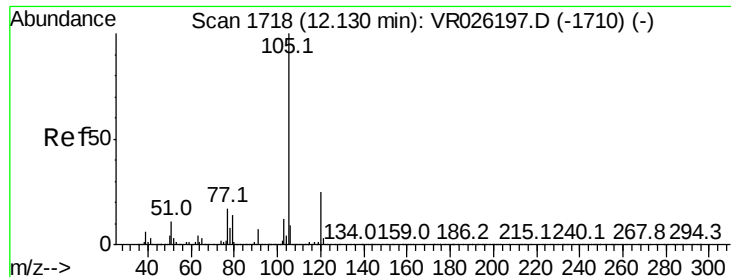
78 49.3 34.7 64.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 6.083 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampled :

VSTD00590

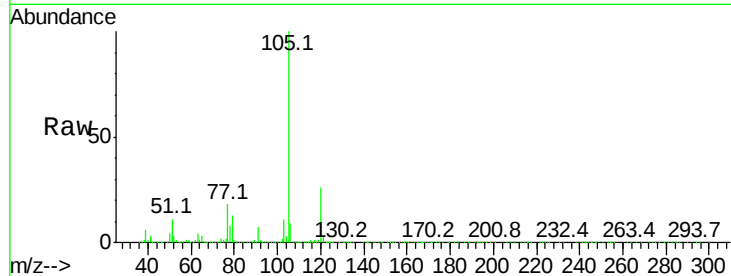
Tgt Ion:105 Resp: 1396705

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

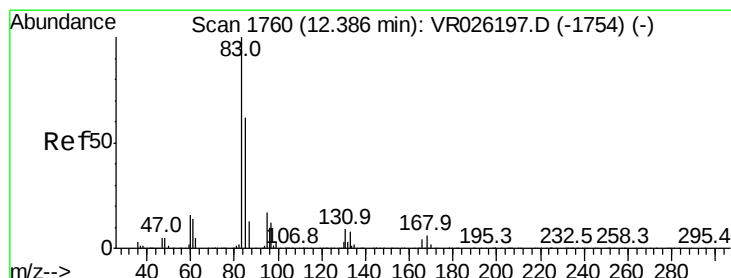
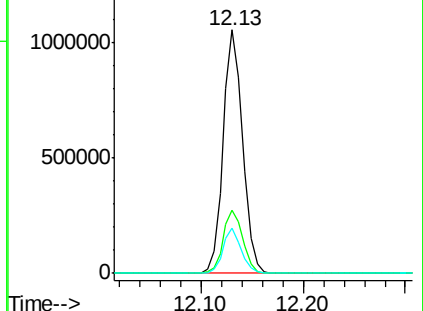
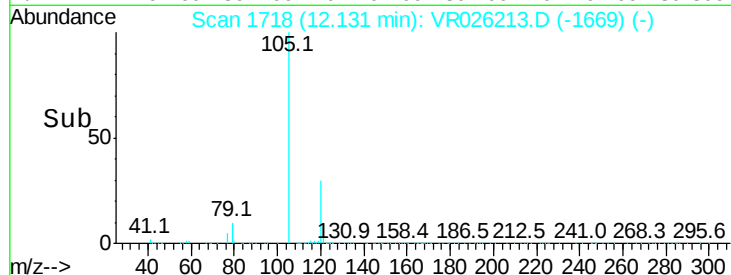
77 17.6 14.6 21.8



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): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.023 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

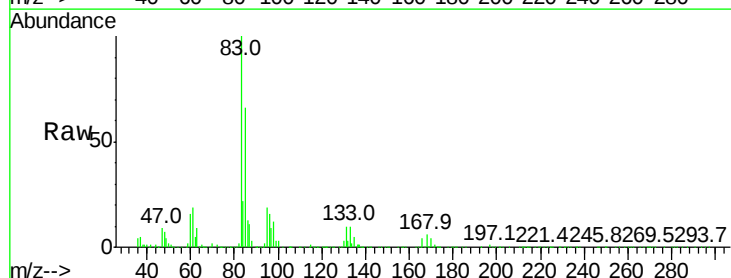
Tgt Ion: 83 Resp: 92646

Ion Ratio Lower Upper

83 100

85 65.7 44.0 81.8

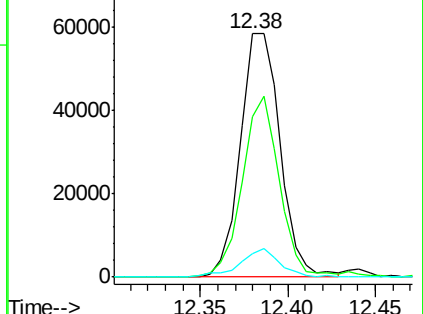
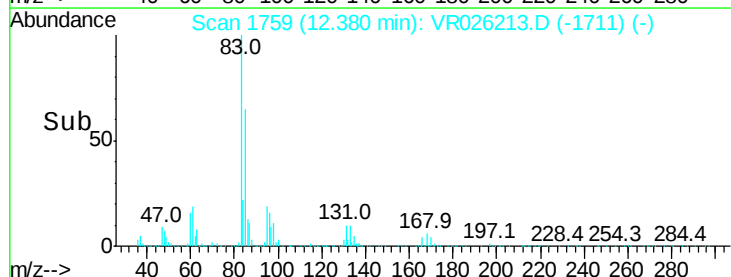
131 9.8 8.0 12.0

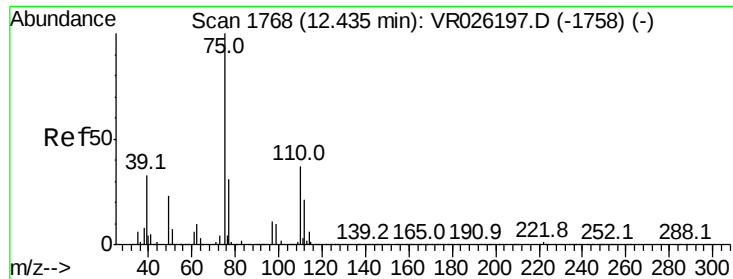


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.158 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

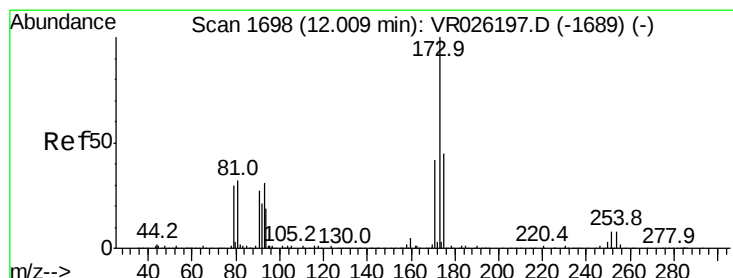
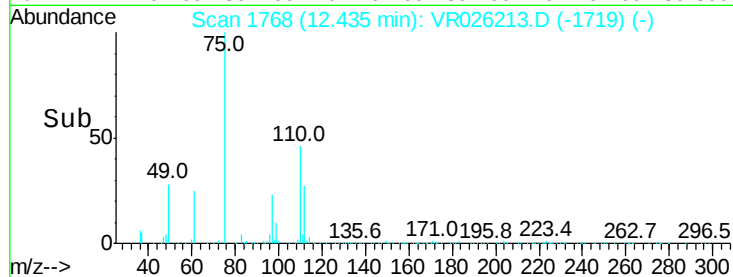
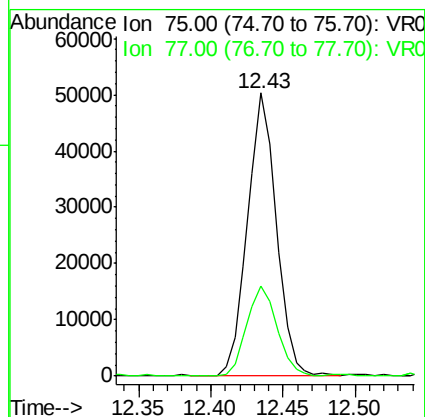
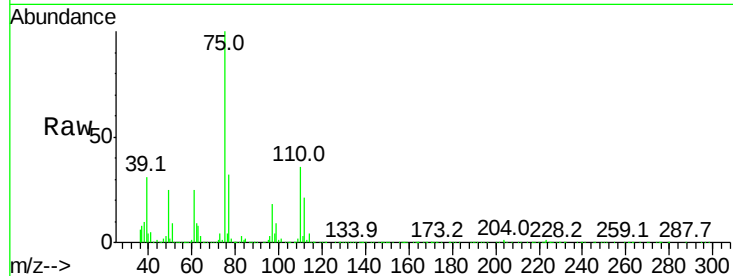
VSTD00590

Tgt Ion: 75 Resp: 69842

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.2



#61

Bromoform

Concen: 5.592 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

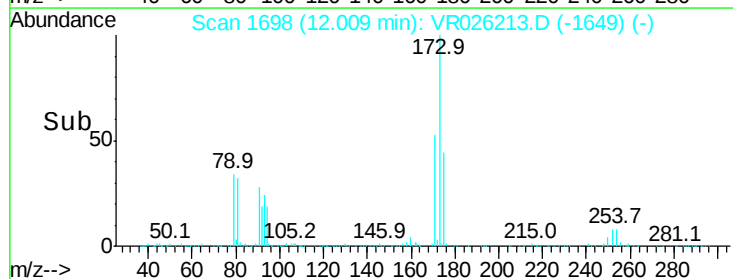
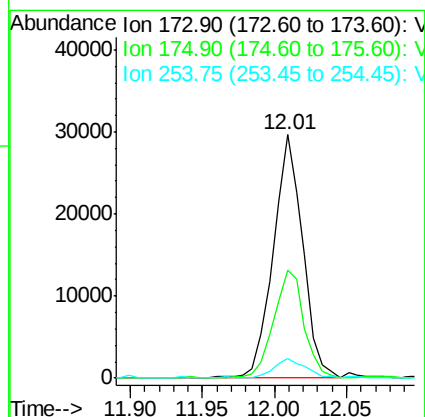
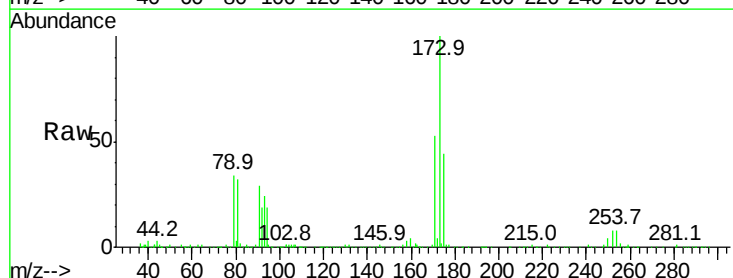
Tgt Ion: 173 Resp: 42161

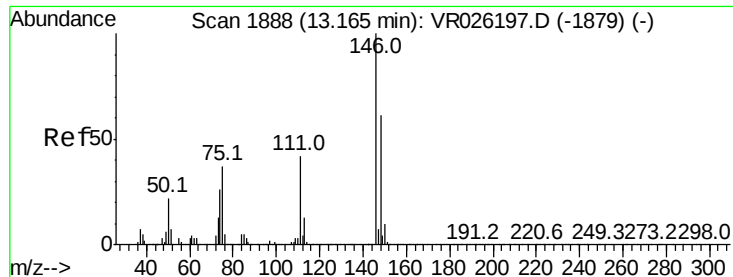
Ion Ratio Lower Upper

173 100

175 46.0 39.0 58.4

254 8.5 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 5.196 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampleId :

VSTD00590

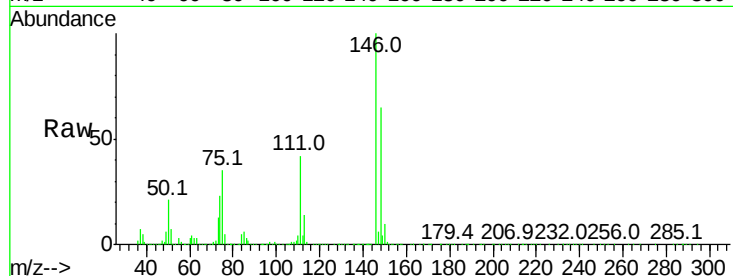
Tgt Ion:146 Resp: 374444

Ion Ratio Lower Upper

146 100

111 41.8 32.1 59.7

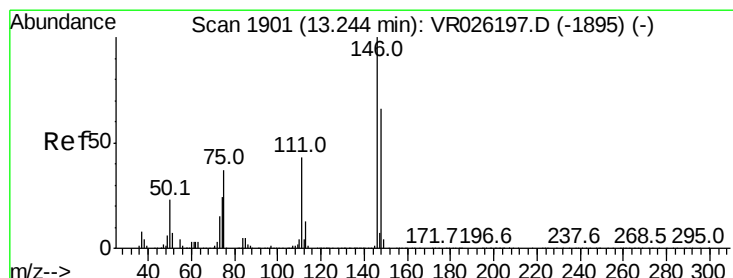
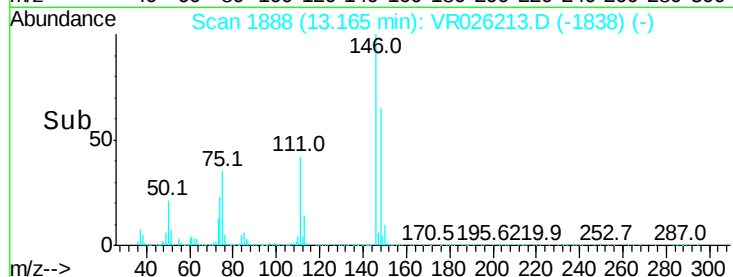
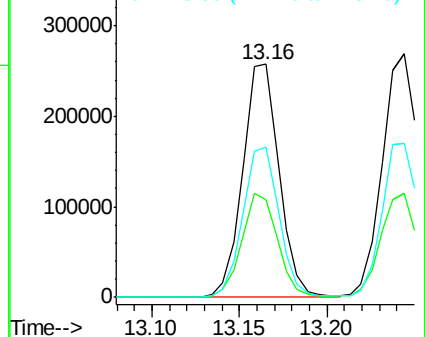
148 64.7 43.8 81.3



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: 5.237 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

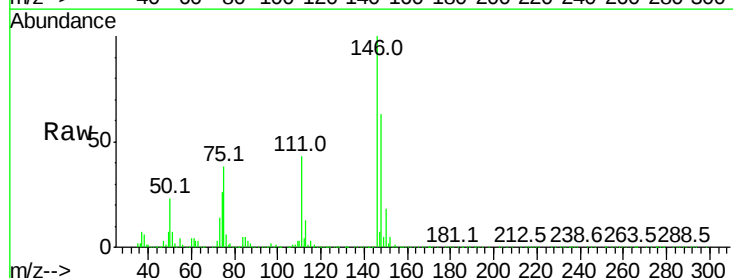
Tgt Ion:146 Resp: 390804

Ion Ratio Lower Upper

146 100

111 42.9 32.6 60.6

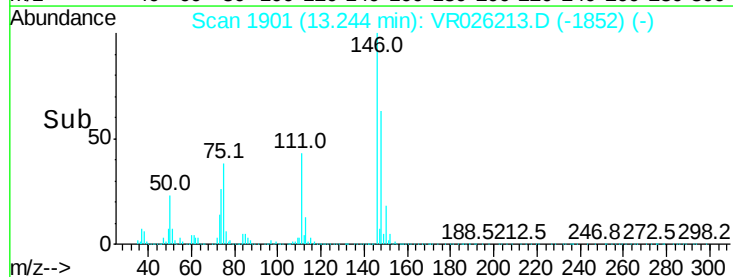
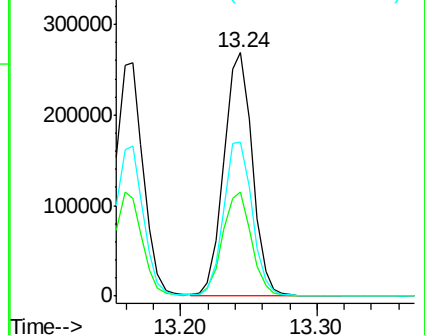
148 63.4 46.7 86.7

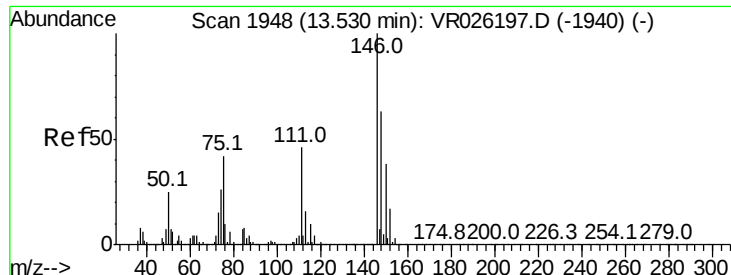


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

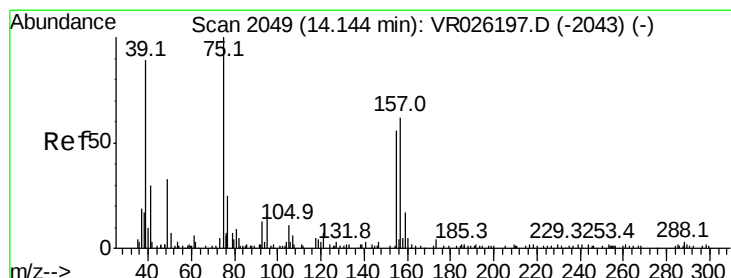
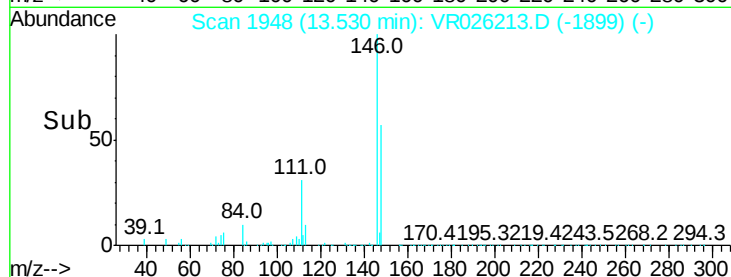
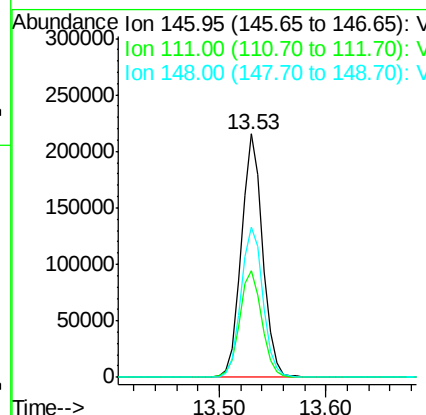
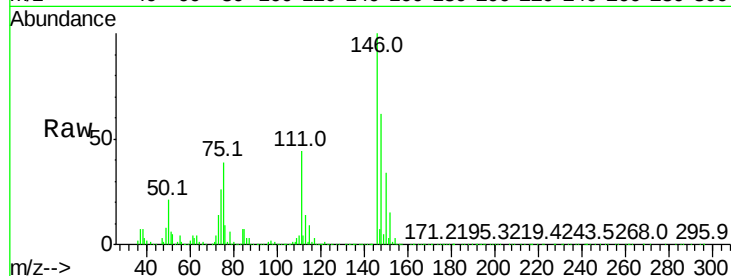




#65
 1,2-Dichlorobenzene
 Concen: 5.222 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

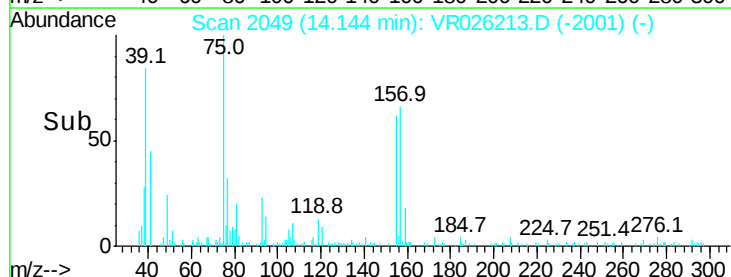
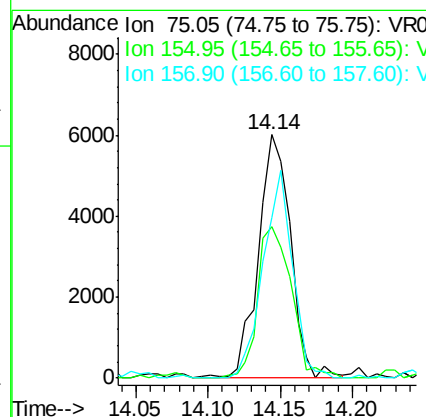
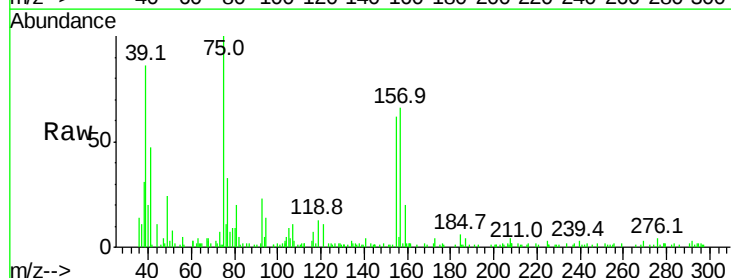
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

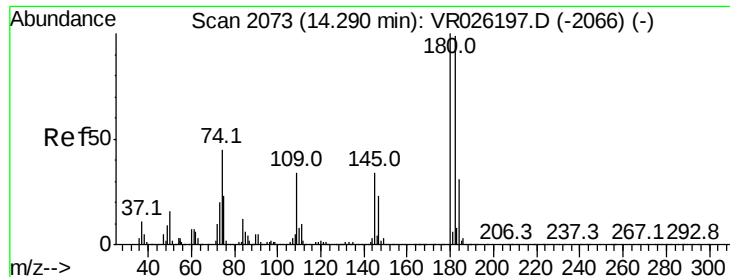
Tgt Ion:146 Resp: 302020
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.2 52.8
 148 61.9 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.950 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Tgt Ion: 75 Resp: 9308
 Ion Ratio Lower Upper
 75 100
 155 62.1 40.9 61.3#
 157 65.6 67.3 100.9#

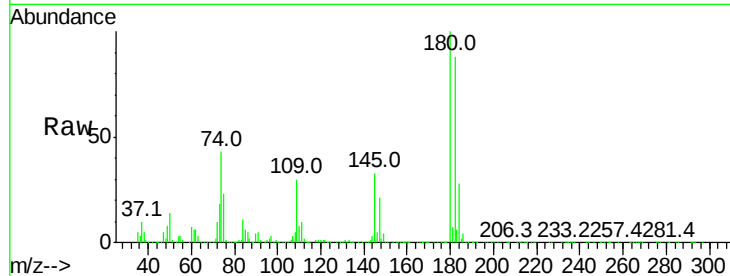




#67
 1,3,5-Trichlorobenzene
 Concen: 5.276 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00590

Tgt Ion:	180	Resp:	231666
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.5	116.3
184	29.2	25.0	37.4
145	33.7	27.6	41.4

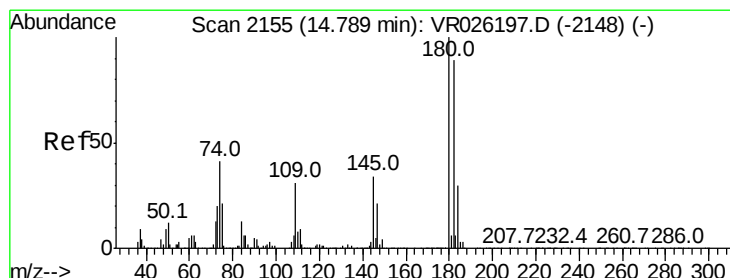
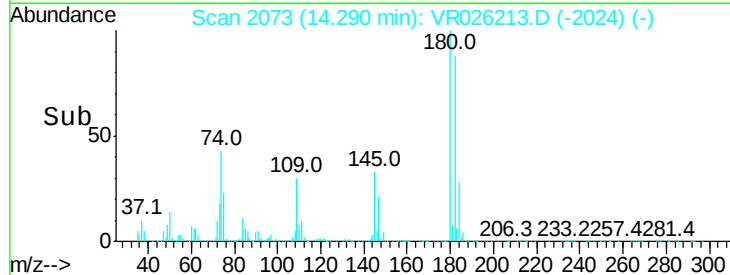
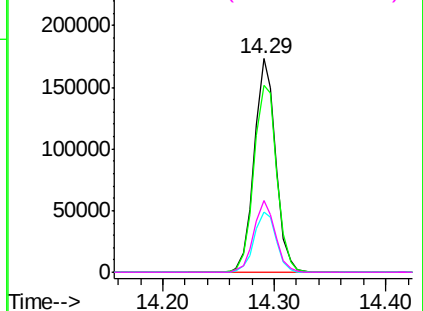


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

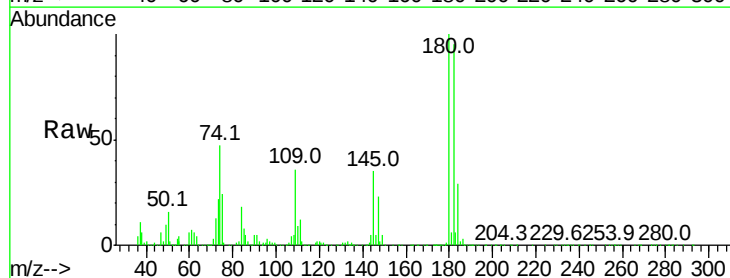
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.113 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026213.D
 Acq: 8 Nov 2018 14:08

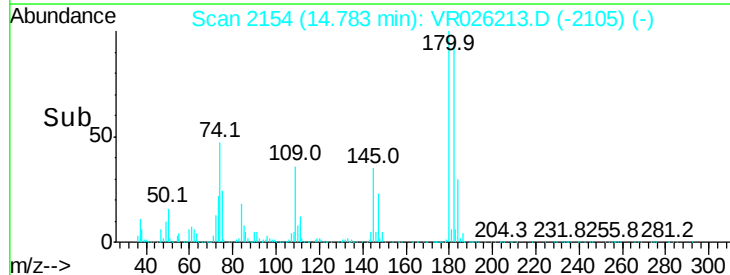
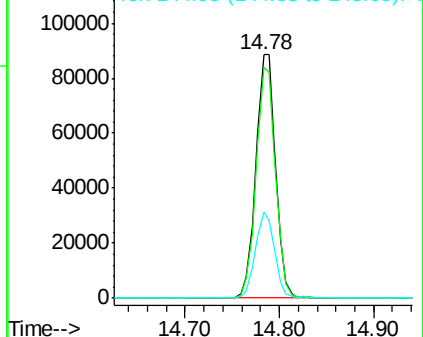
Tgt Ion:	180	Resp:	131026
Ion Ratio	Lower	Upper	
180	100		
182	93.7	76.1	114.1
145	34.5	28.2	42.4

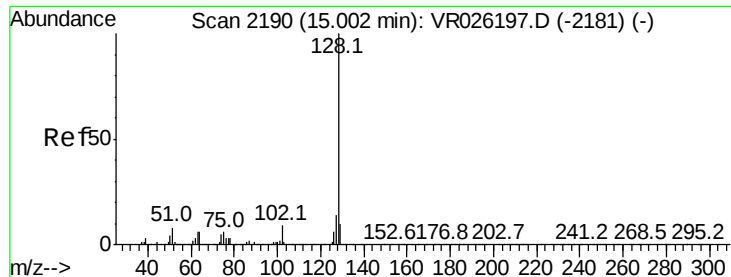


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.945 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

Instrument :

MSVOA_R

ClientSampled :

VSTD00590

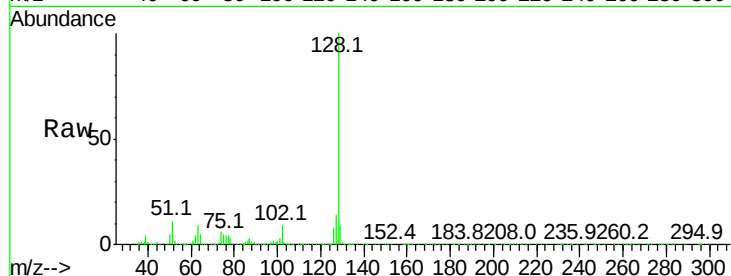
Tgt Ion:128 Resp: 123058

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.6

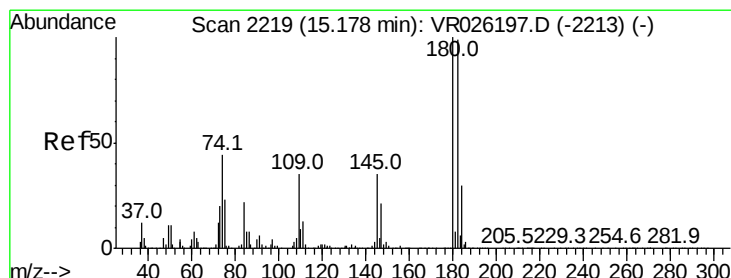
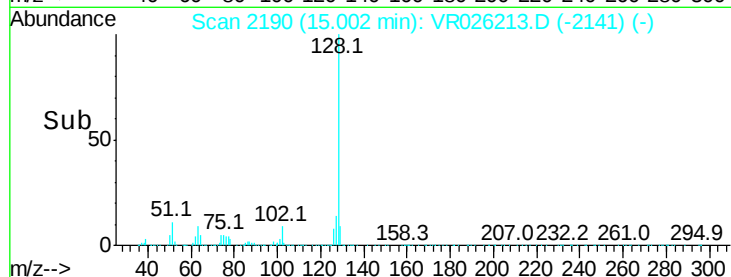
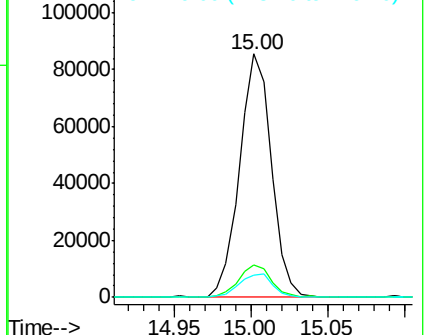
129 10.4 9.1 13.7



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: 5.032 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026213.D

Acq: 8 Nov 2018 14:08

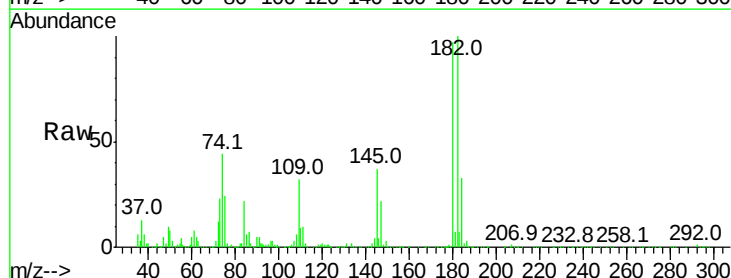
Tgt Ion:180 Resp: 89569

Ion Ratio Lower Upper

180 100

182 98.8 75.7 113.5

145 37.6 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

