

Data File : VR026237.D
Acq On : 20 Nov 2018 19:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Quant Time: Nov 21 03:19:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 18:31:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670955	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	574445	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	231880	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	240308	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	2.63	69	214698	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	3.61	63	591540	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	6.59	46	227968	48.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.24%
24) Chloroform-d	7.20	84	458250	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	7.90	65	180456	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.85	84	895703	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	8.90	67	222276	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	9.97	98	853391	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	10.24	79	64464	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	10.59	63	169391	53.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	95295	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	180044	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	223834	4.765 ug/L	98
3) Chloromethane	2.01	50	271717	4.502 ug/L	100
5) Vinyl chloride	2.17	62	273663	4.612 ug/L	98
6) Bromomethane	2.52	94	184584	4.647 ug/L	96
8) Chloroethane	2.66	64	169502	4.567 ug/L	99
9) Trichlorofluoromethane	2.94	101	179107	1.988 ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	237489	4.589 ug/L	99
12) 1,1-Dichloroethene	3.63	96	256063	4.548 ug/L	98
13) Acetone	3.70	43	170267	47.800 ug/L	99
14) Carbon disulfide	3.94	76	670013	4.767 ug/L	98
15) Methyl Acetate	4.19	43	43430	4.202 ug/L #	77
16) Methylene chloride	4.40	84	215262	4.276 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	276217	4.744 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	225867	4.367 ug/L	91
19) 1,1-Dichloroethane	5.69	63	417050	4.493 ug/L	98
21) 2-Butanone	6.69	43	239131	47.687 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	214581	4.604 ug/L #	92

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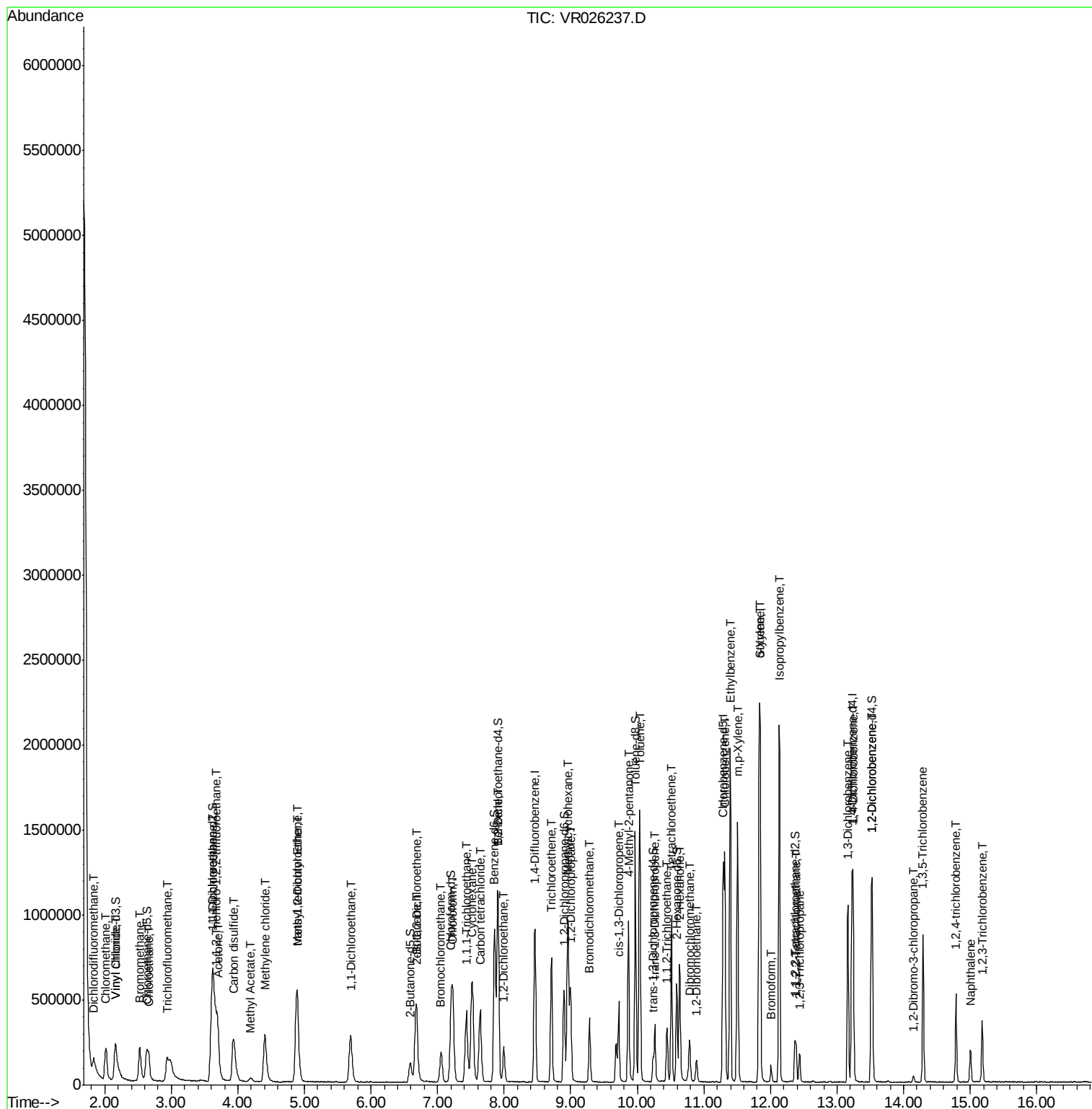
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	61743	4.400	ug/L	94
25) Chloroform	7.23	83	419062	4.162	ug/L	96
27) 1,2-Dichloroethane	7.99	62	184415	4.497	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	361431	4.450	ug/L	99
30) Cyclohexane	7.52	56	345671	4.785	ug/L	99
31) Carbon tetrachloride	7.64	117	328119	4.445	ug/L	98
33) Benzene	7.91	78	933917	4.449	ug/L	100
34) Trichloroethene	8.71	95	240019	4.317	ug/L	97
35) Methylcyclohexane	8.96	83	361057	4.878	ug/L	99
37) 1,2-Dichloropropane	9.00	63	190000	4.374	ug/L	100
38) Bromodichloromethane	9.28	83	224398	4.426	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	234376	4.700	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	594415	49.236	ug/L	99
42) Toluene	10.04	91	1033177	4.120	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	160262	4.709	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	85510	4.574	ug/L	88
47) Tetrachloroethene	10.51	164	175973	4.310	ug/L	96
48) 2-Hexanone	10.63	43	405236	49.974	ug/L	97
49) Dibromochloromethane	10.79	129	104755	4.611	ug/L	100
50) 1,2-Dibromoethane	10.89	107	72947	4.475	ug/L	97
51) Chlorobenzene	11.32	112	555389	4.526	ug/L	99
52) Ethylbenzene	11.39	91	1179864	4.698	ug/L	100
53) m,p-Xylene	11.50	106	425958	4.599	ug/L	97
54) o-Xylene	11.83	106	393592	4.641	ug/L	98
55) Styrene	11.84	104	615987	4.760	ug/L	99
56) Isopropylbenzene	12.13	105	1132218	4.874	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	84161	4.625	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	62058	4.549	ug/L	97
61) Bromoform	12.01	173	38045	4.278	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	345404	4.679	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	351211	4.410	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	273812	4.516	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.15	75	8816	4.349	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.30	180	220521	4.613	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	127871	4.731	ug/L	100
69) Naphthalene	15.01	128	128519	4.881	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	93532	4.837	ug/L	98

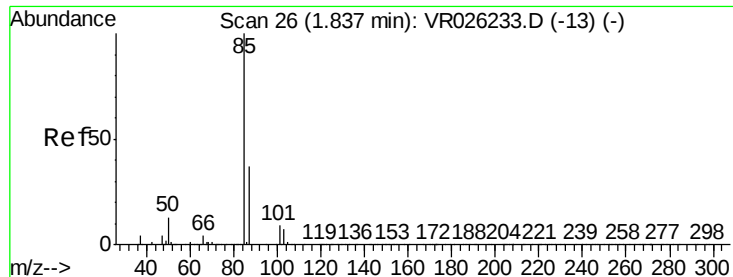
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.765 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

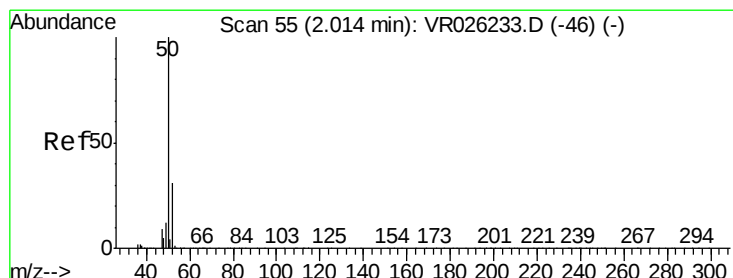
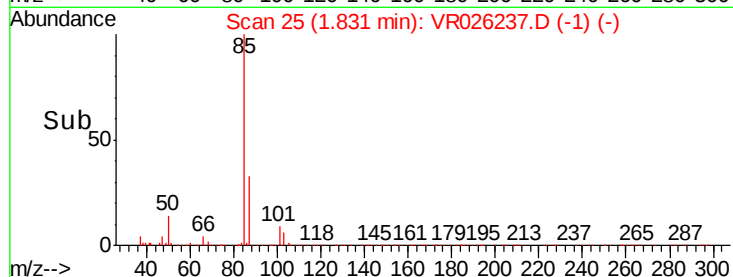
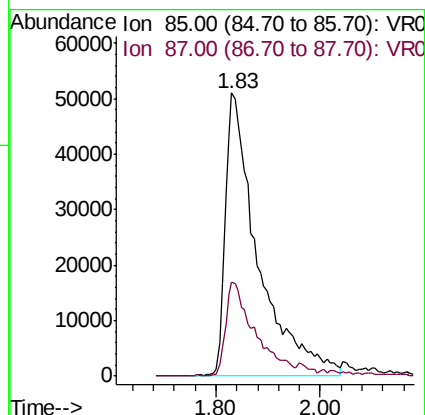
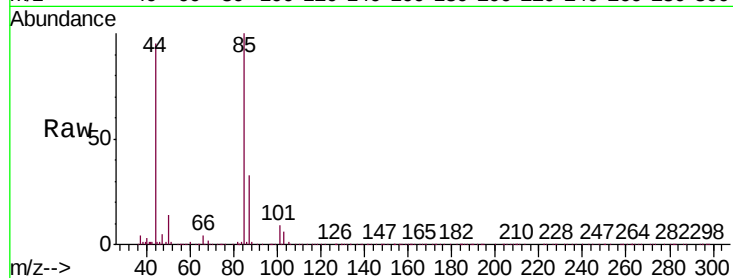
VSTD00594

Tgt Ion: 85 Resp: 223834

Ion Ratio Lower Upper

85 100

87 29.8 23.2 34.8



#3

Chloromethane

Concen: 4.502 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR026237.D

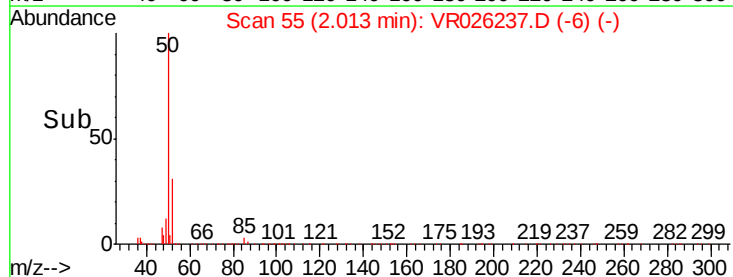
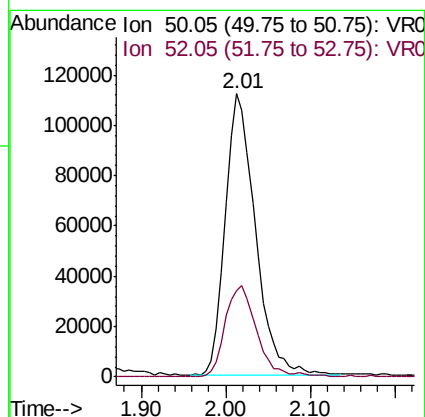
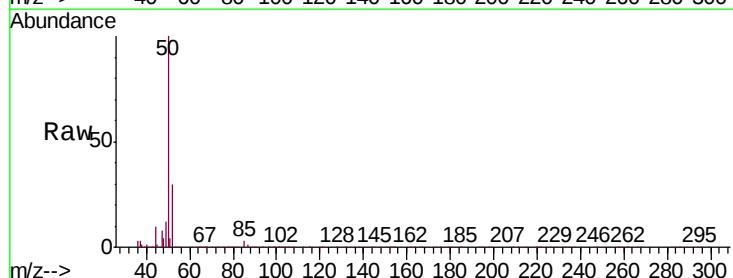
Acq: 20 Nov 2018 19:18

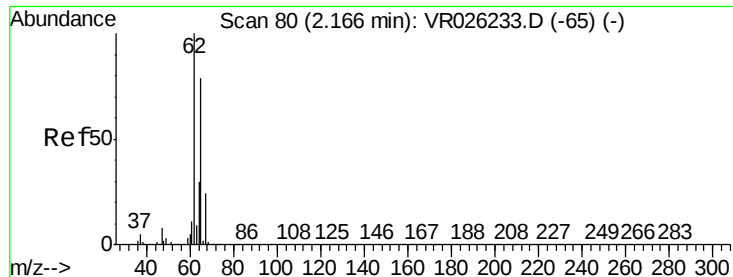
Tgt Ion: 50 Resp: 271717

Ion Ratio Lower Upper

50 100

52 30.5 21.4 39.8





#5

Vinyl chloride

Concen: 4.612 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

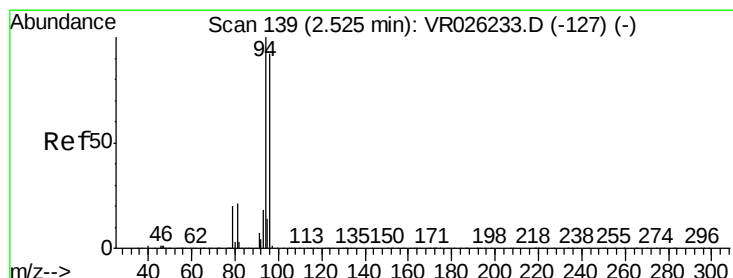
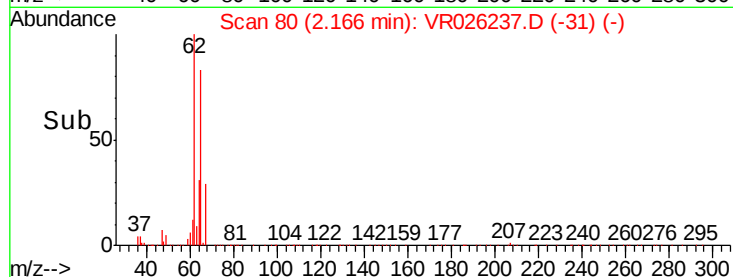
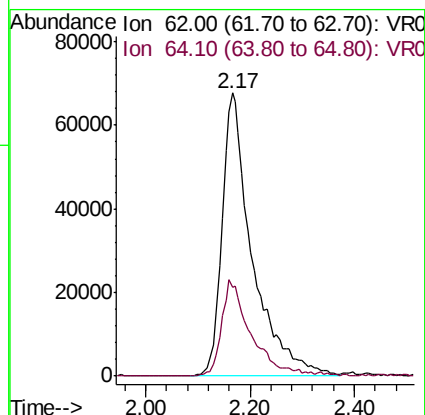
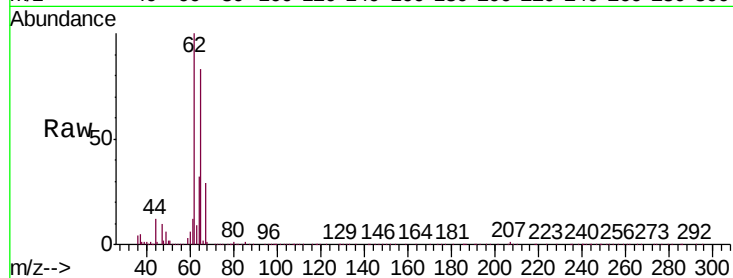
VSTD00594

Tgt Ion: 62 Resp: 273663

Ion Ratio Lower Upper

62 100

64 31.5 21.3 39.5



#6

Bromomethane

Concen: 4.647 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.00 min

Lab File: VR026237.D

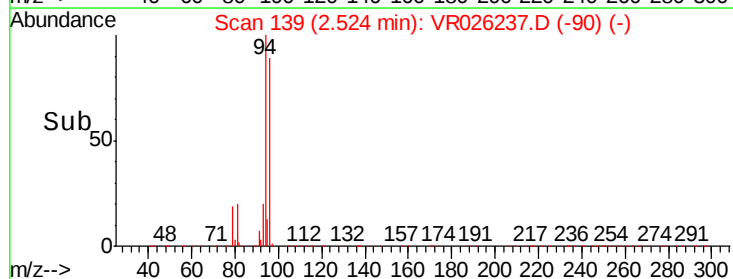
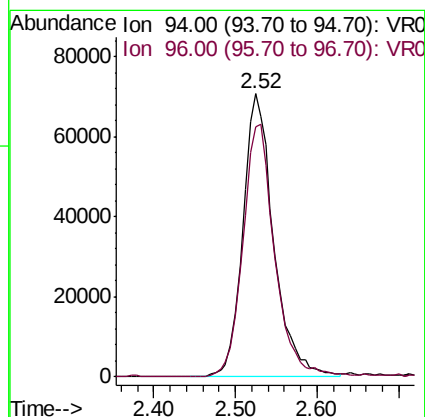
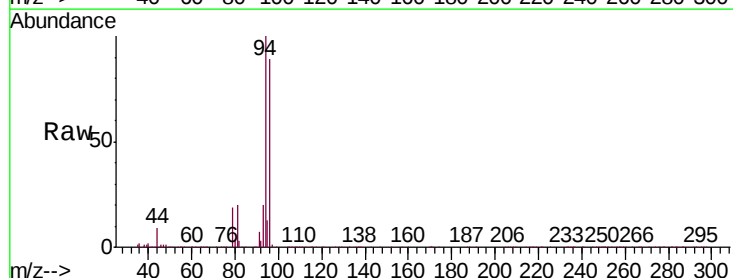
Acq: 20 Nov 2018 19:18

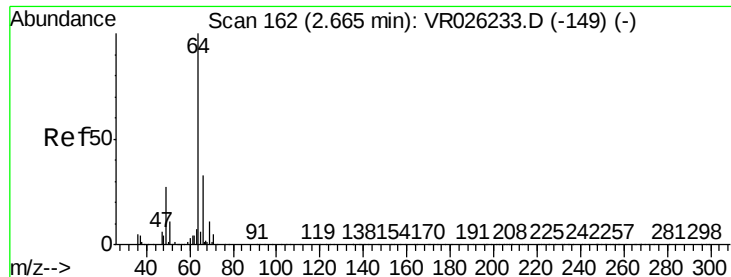
Tgt Ion: 94 Resp: 184584

Ion Ratio Lower Upper

94 100

96 88.5 64.6 120.0





#8

Chloroethane

Concen: 4.567 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

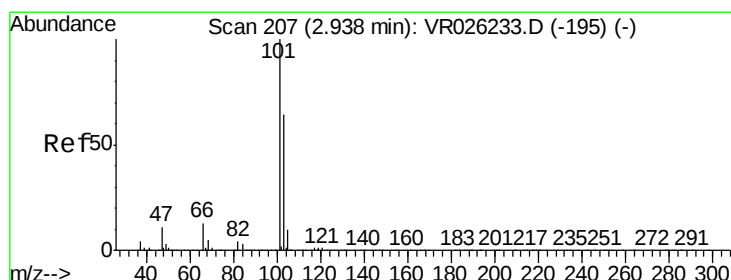
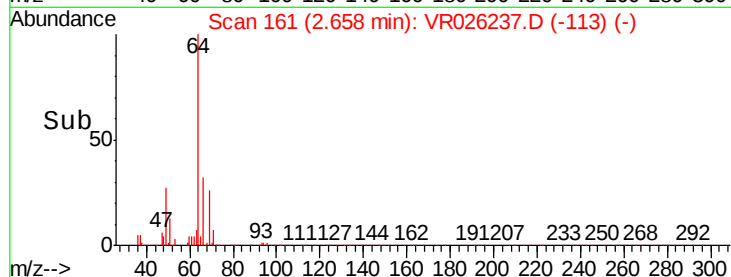
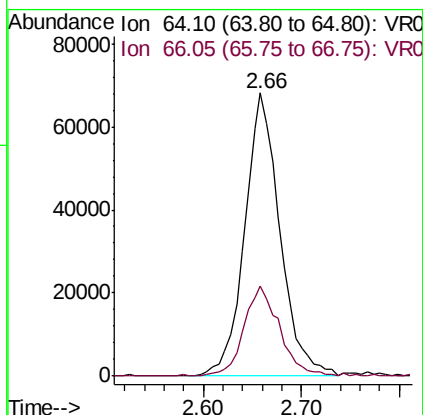
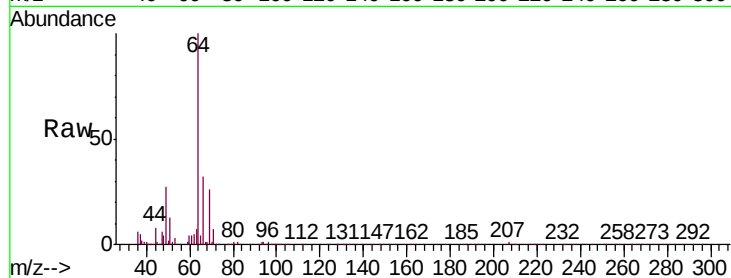
VSTD00594

Tgt Ion: 64 Resp: 169502

Ion Ratio Lower Upper

64 100

66 32.0 22.7 42.3



#9

Trichlorofluoromethane

Concen: 1.988 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026237.D

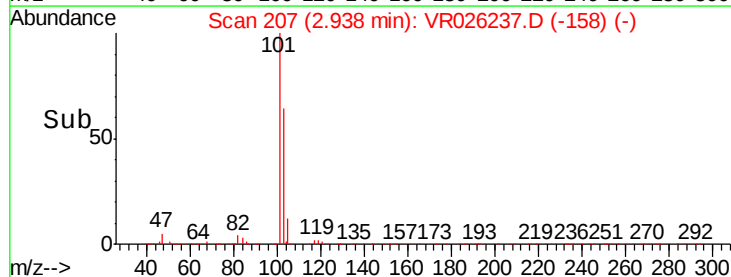
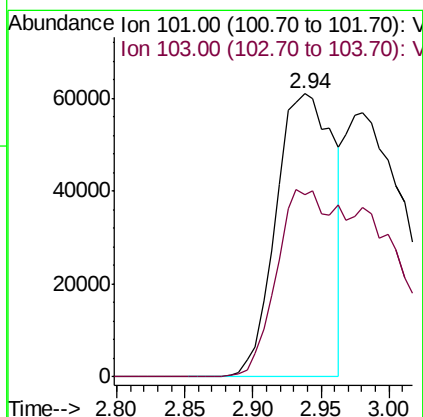
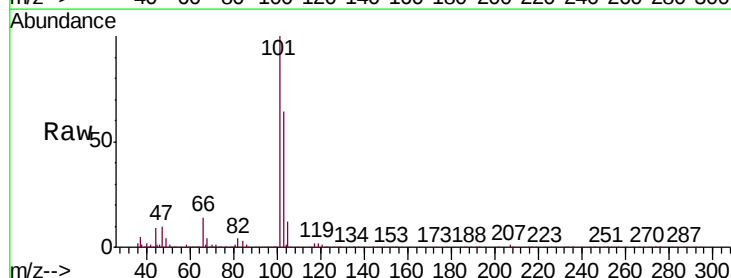
Acq: 20 Nov 2018 19:18

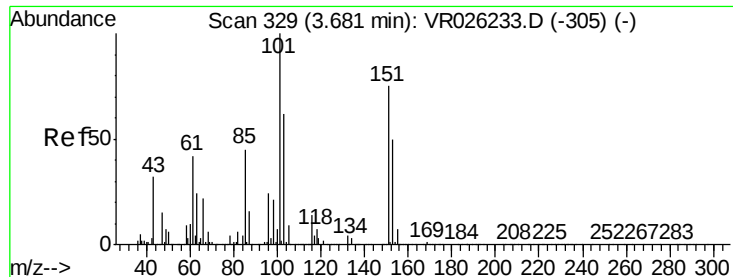
Tgt Ion: 101 Resp: 179107

Ion Ratio Lower Upper

101 100

103 58.4 24.6 37.0#





#10

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

Concen: 4.589 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

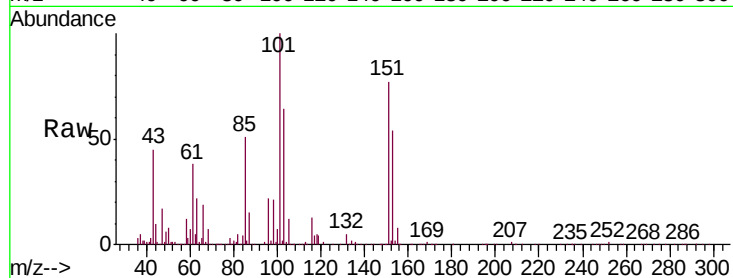
Tgt Ion:101 Resp: 237489

Ion Ratio Lower Upper

101 100

85 48.2 37.4 56.0

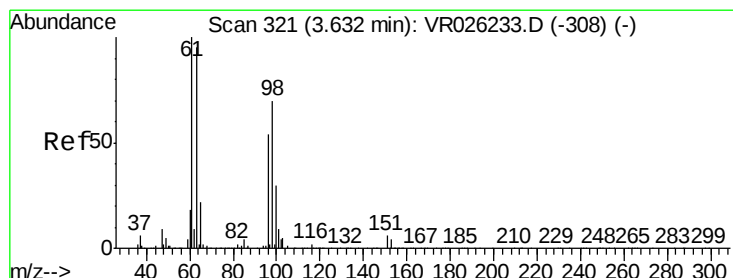
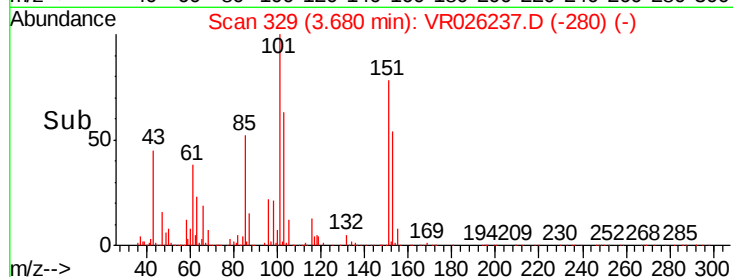
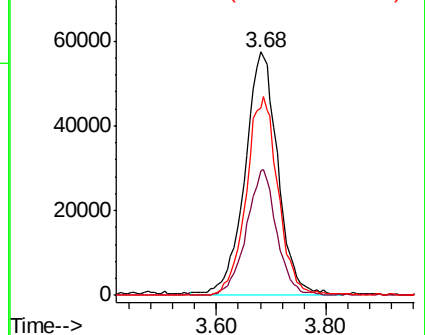
151 79.4 63.3 94.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.548 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

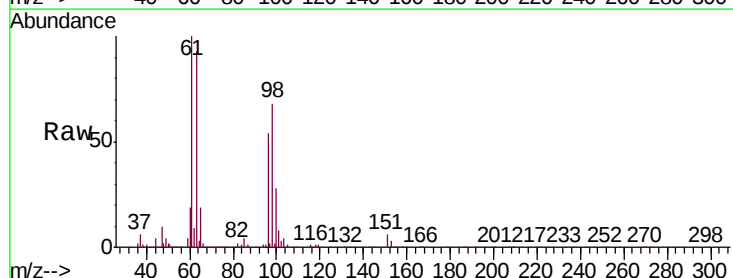
Tgt Ion: 96 Resp: 256063

Ion Ratio Lower Upper

96 100

61 186.3 128.7 239.1

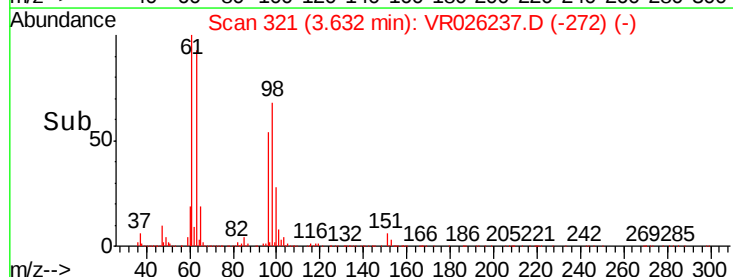
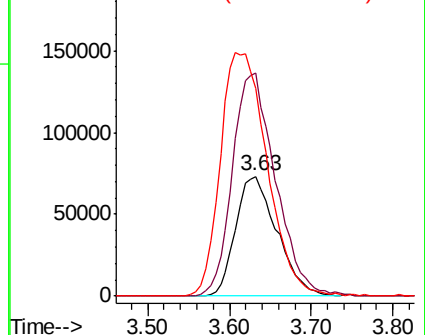
63 172.8 122.6 227.6

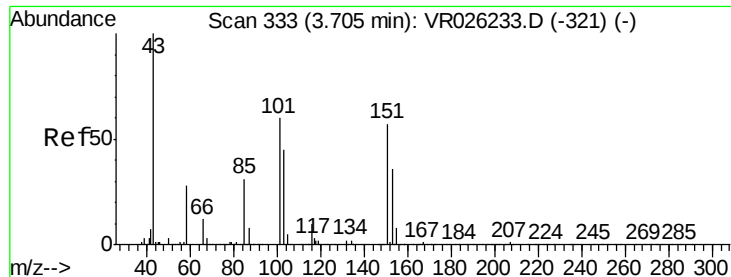


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.800 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

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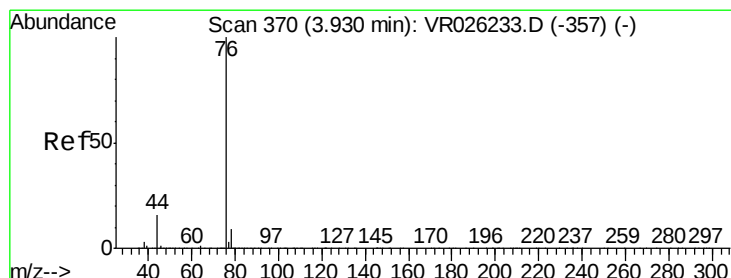
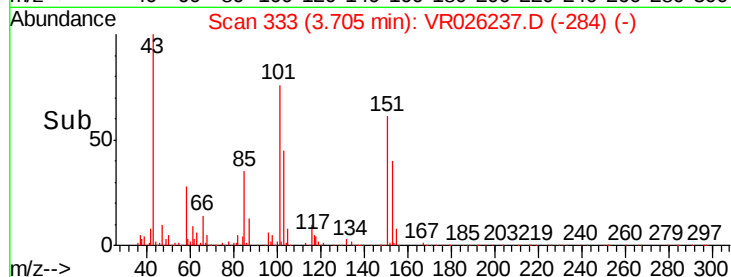
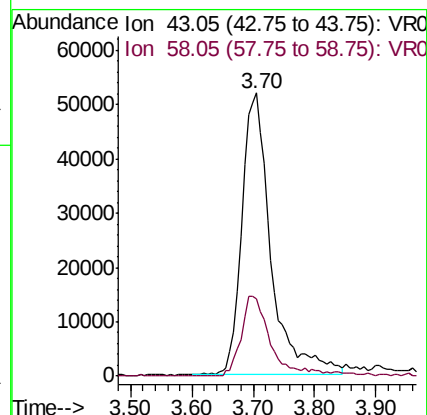
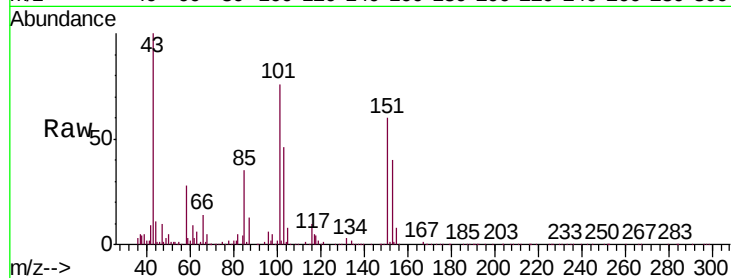
VSTD00594

Tgt Ion: 43 Resp: 170267

Ion Ratio Lower Upper

43 100

58 26.8 0.0 55.0



#14

Carbon disulfide

Concen: 4.767 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR026237.D

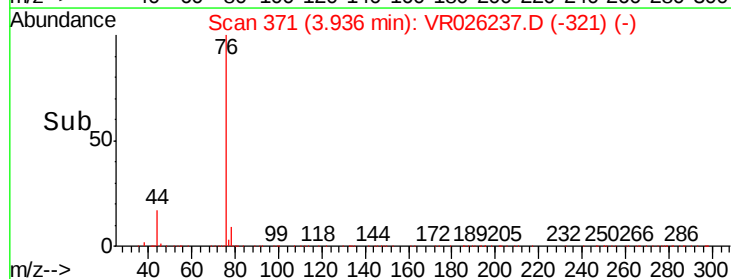
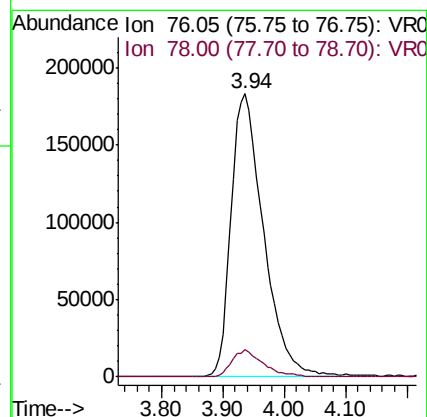
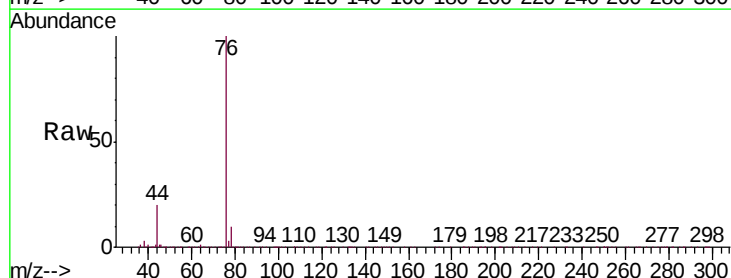
Acq: 20 Nov 2018 19:18

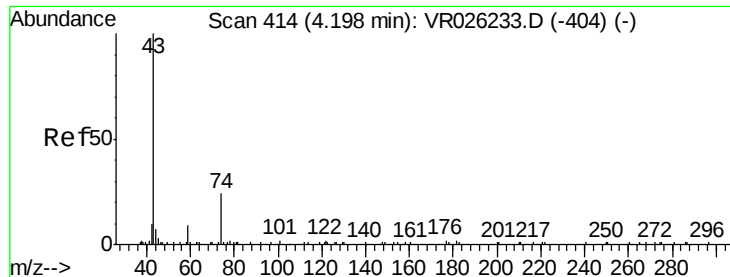
Tgt Ion: 76 Resp: 670013

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6

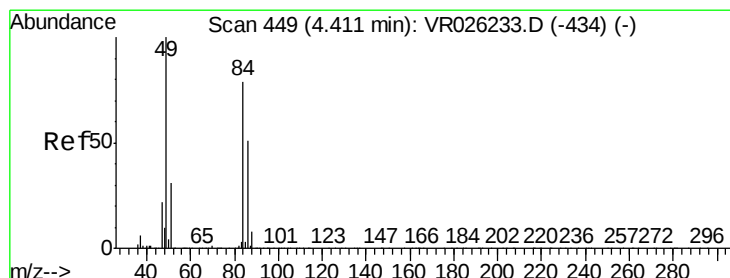
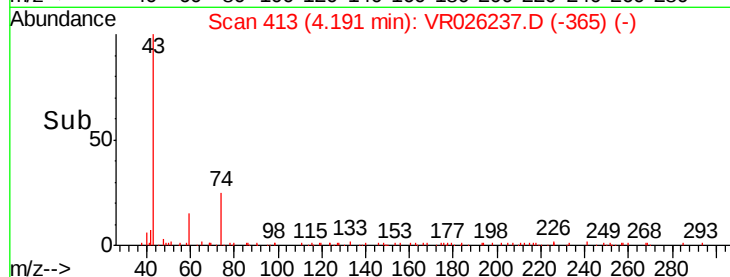
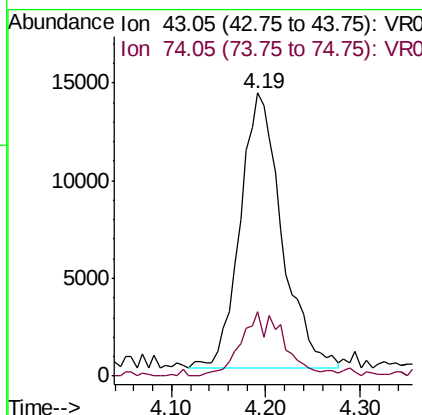
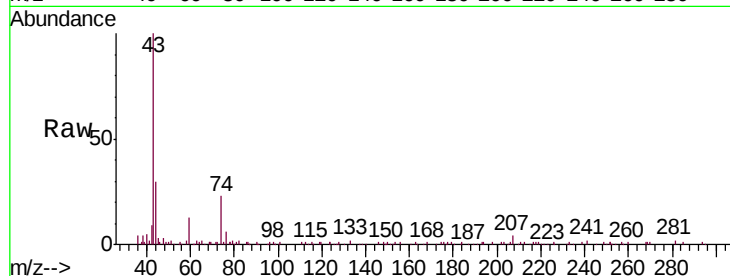




#15
Methyl Acetate
Concen: 4.202 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

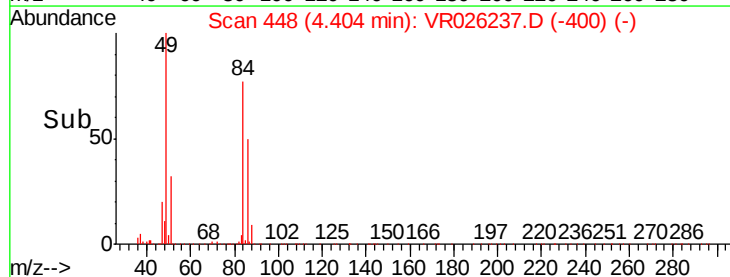
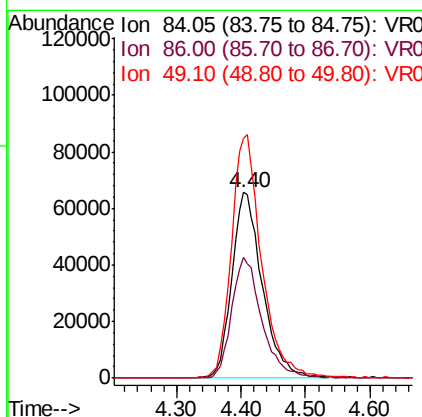
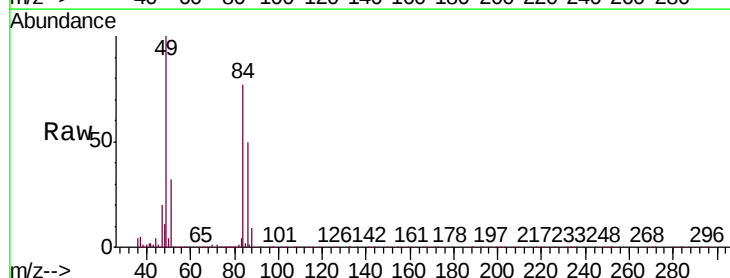
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

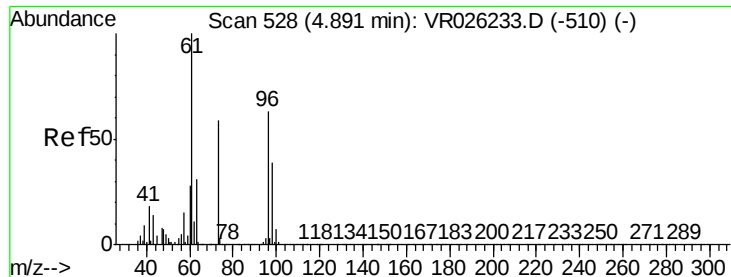
Tgt Ion: 43 Resp: 43430
Ion Ratio Lower Upper
43 100
74 12.6 19.4 29.0#



#16
Methylene chloride
Concen: 4.276 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion: 84 Resp: 215262
Ion Ratio Lower Upper
84 100
86 64.8 45.2 84.0
49 129.3 88.3 164.1





#17

Methyl tert-butyl Ether

Concen: 4.744 ug/L

RT: 4.90 min Scan# 529

Delta R.T. 0.01 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

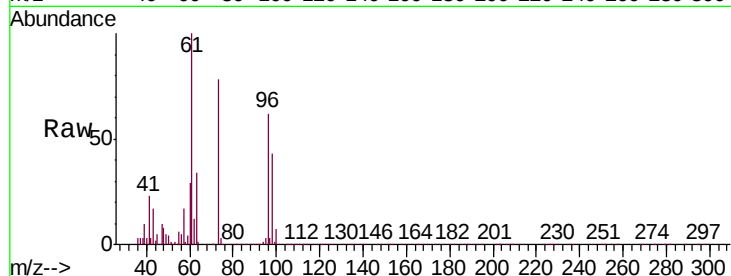
Tgt Ion: 73 Resp: 276217

Ion Ratio Lower Upper

73 100

43 22.6 19.0 28.4

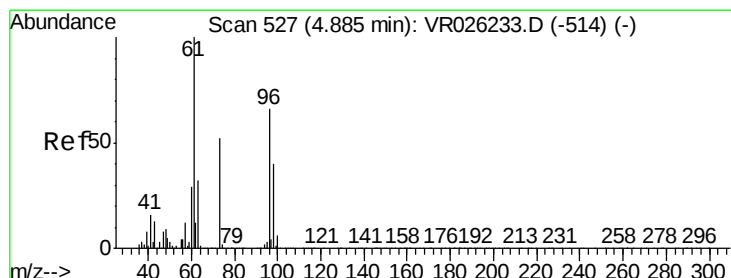
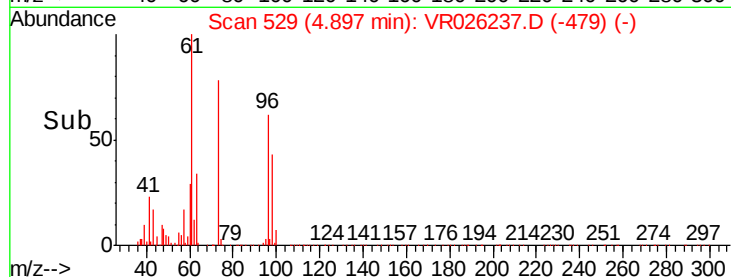
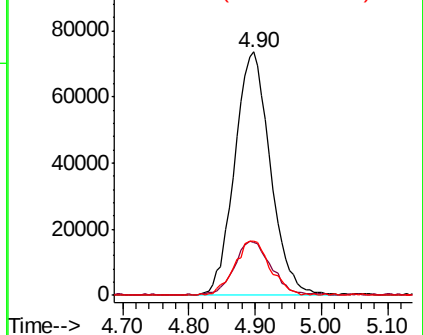
57 22.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.367 ug/L

RT: 4.88 min Scan# 527

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

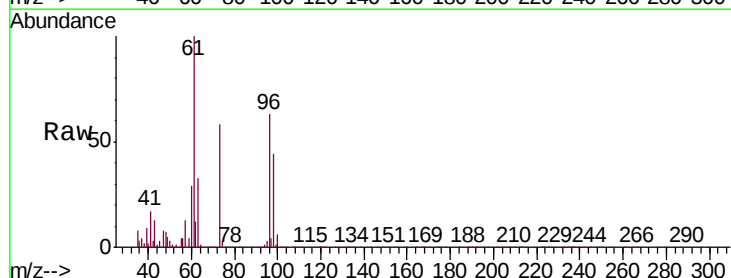
Tgt Ion: 96 Resp: 225867

Ion Ratio Lower Upper

96 100

61 159.3 105.4 195.8

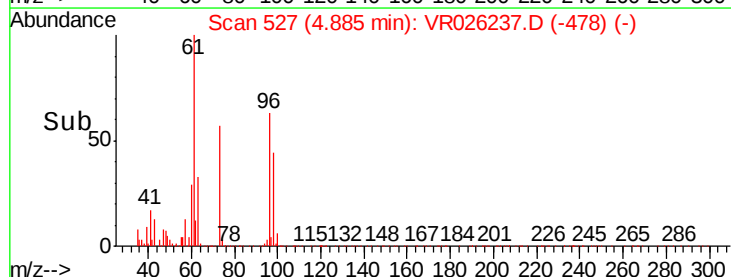
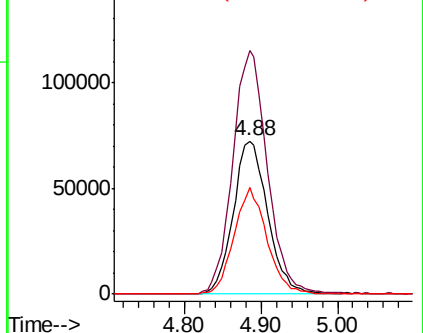
98 69.8 42.1 78.1

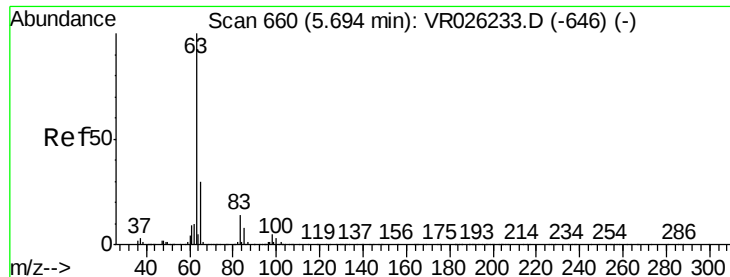


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

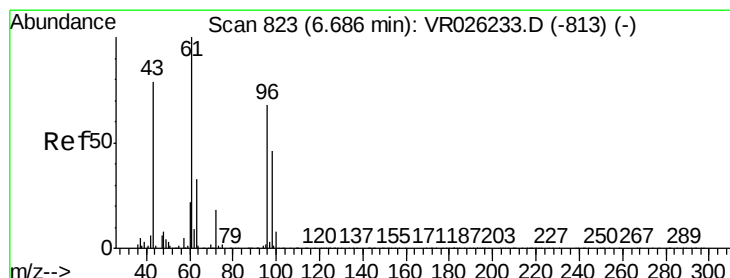
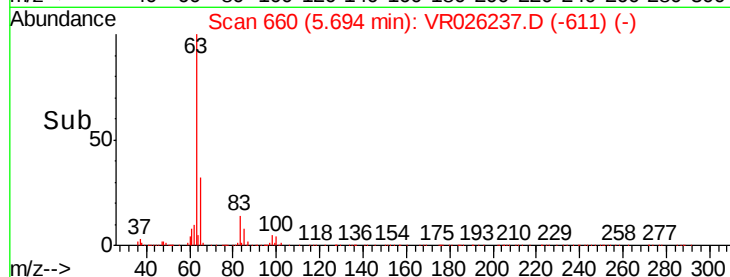
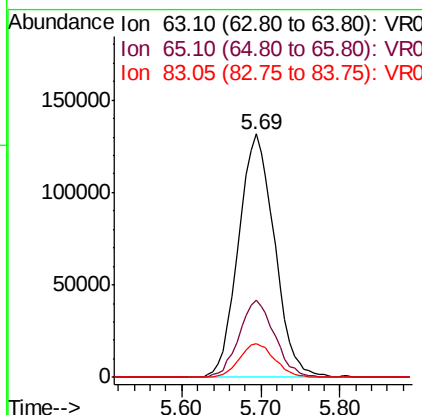
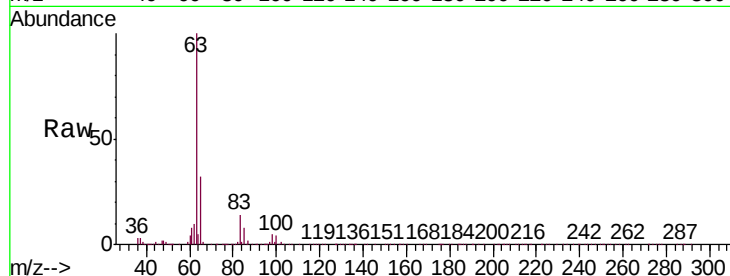




#19
 1,1-Dichloroethane
 Concen: 4.493 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

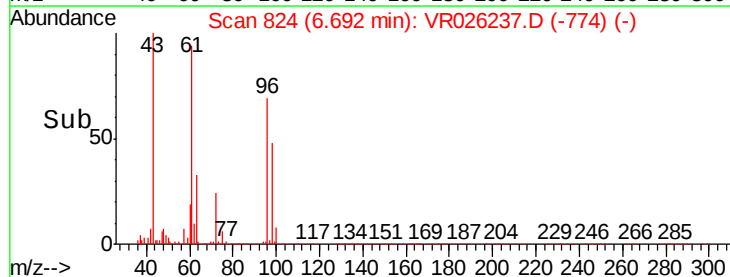
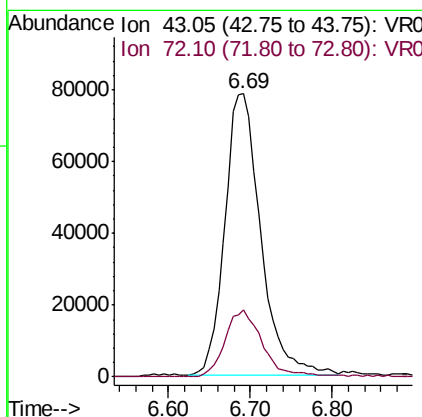
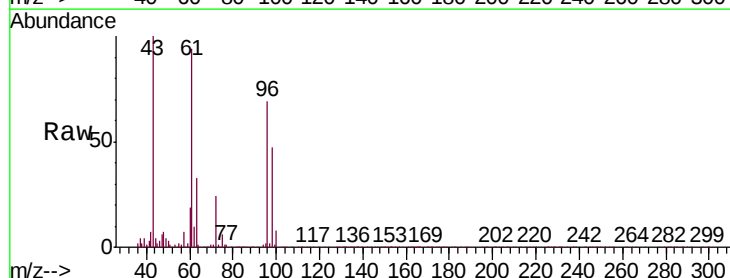
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

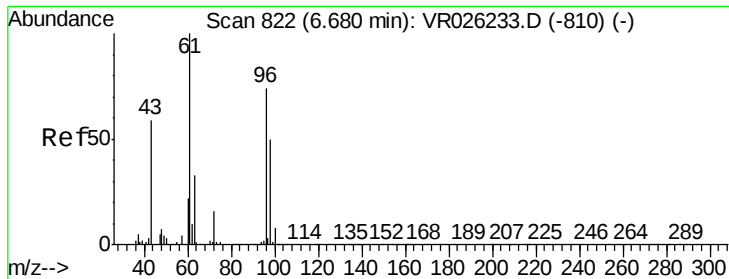
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	21.1	39.3
83	13.9	9.9	18.5



#21
 2-Butanone
 Concen: 47.687 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.6	11.8	35.4



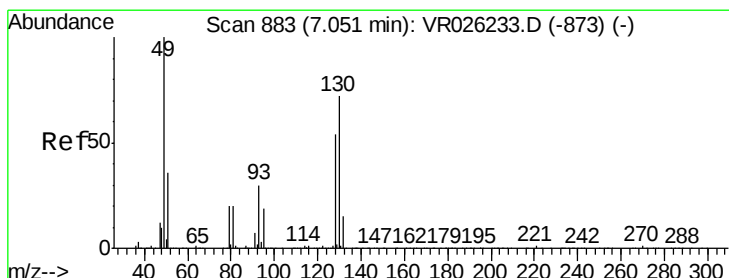
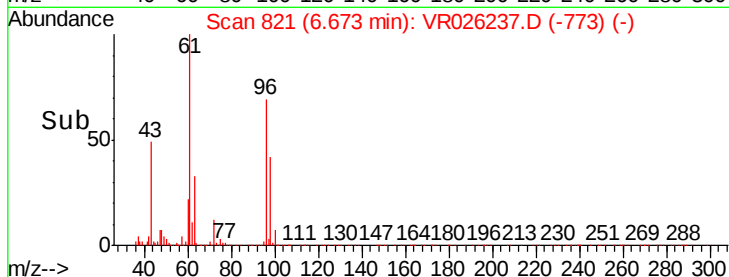
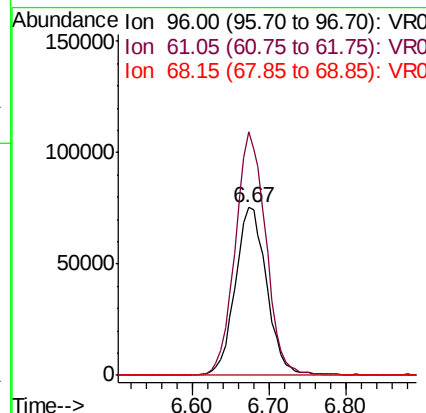
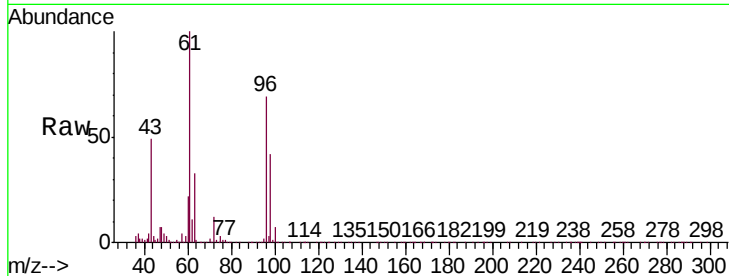


#22

cis-1,2-Dichloroethene
 Concen: 4.604 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

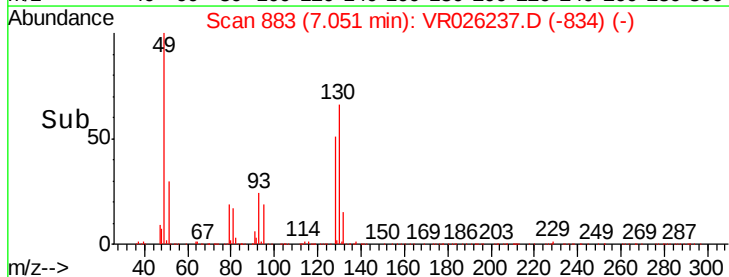
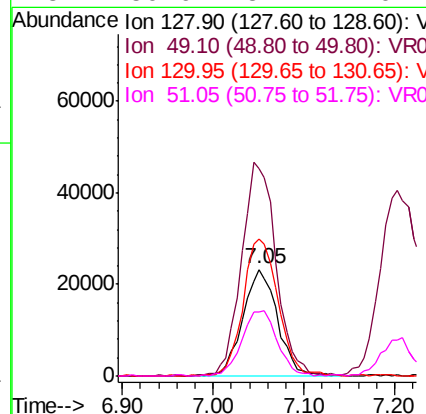
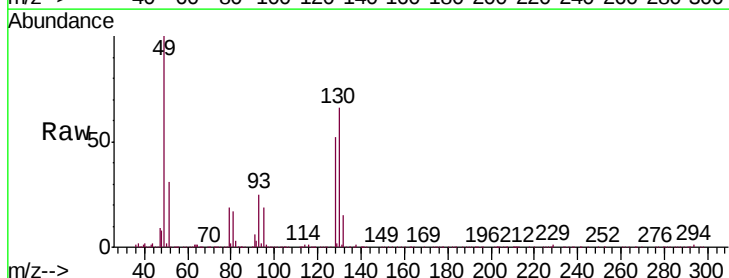
Tgt Ion: 96 Resp: 214581
 Ion Ratio Lower Upper
 96 100
 61 145.0 94.8 176.2
 68 0.2 0.0 0.0#

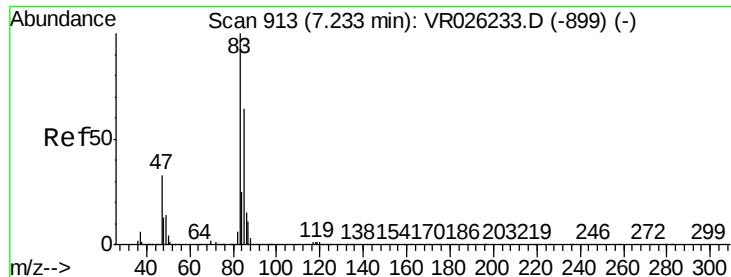


#23

Bromochloromethane
 Concen: 4.400 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion: 128 Resp: 61743
 Ion Ratio Lower Upper
 128 100
 49 194.0 129.6 240.6
 130 128.1 93.1 172.9
 51 59.9 52.7 79.1

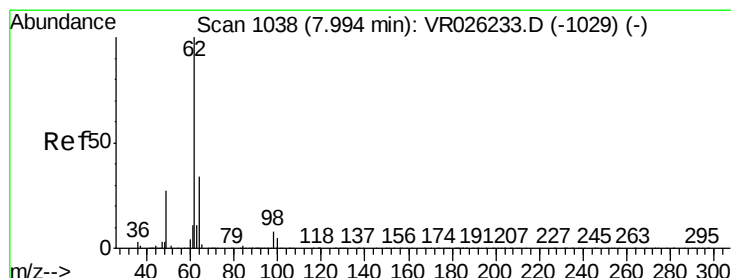
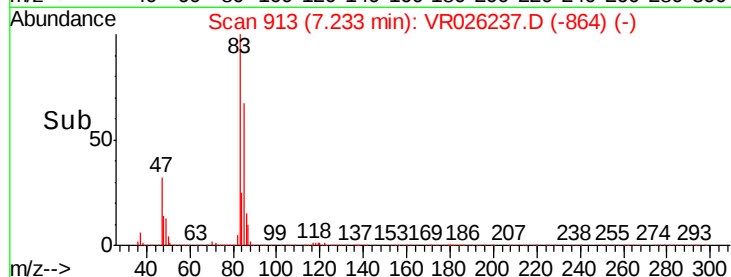
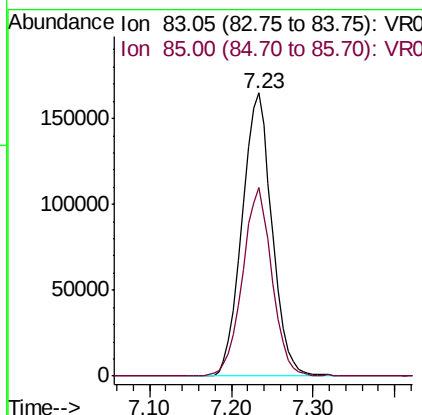
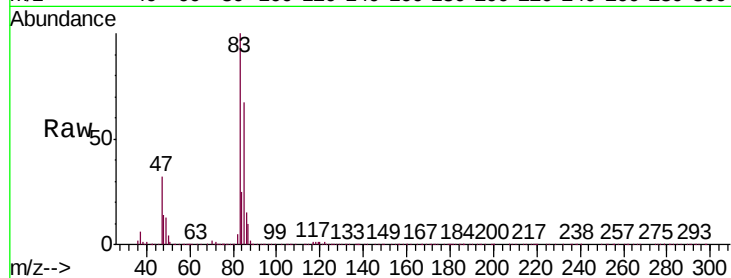




#25
Chloroform
Concen: 4.162 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

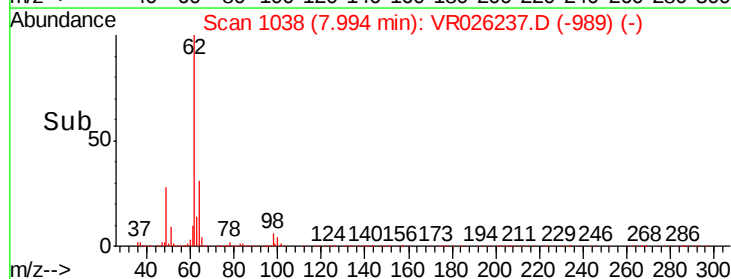
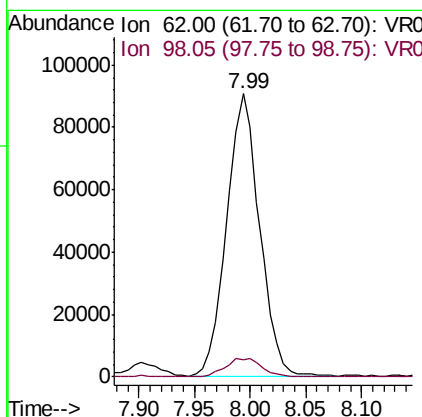
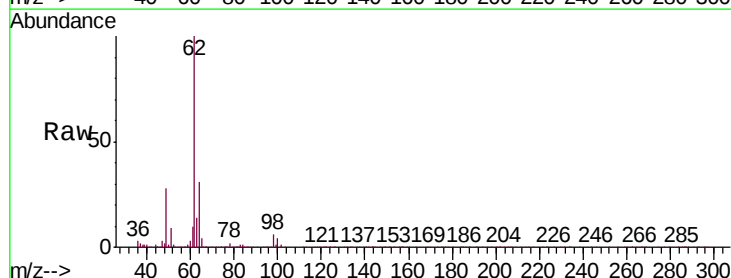
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

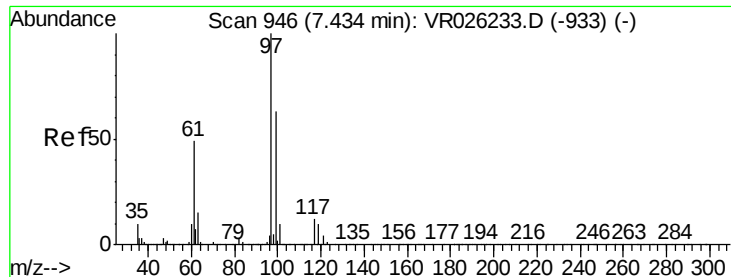
Tgt Ion: 83 Resp: 419062
Ion Ratio Lower Upper
83 100
85 66.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 4.497 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion: 62 Resp: 184415
Ion Ratio Lower Upper
62 100
98 6.2 6.1 9.1

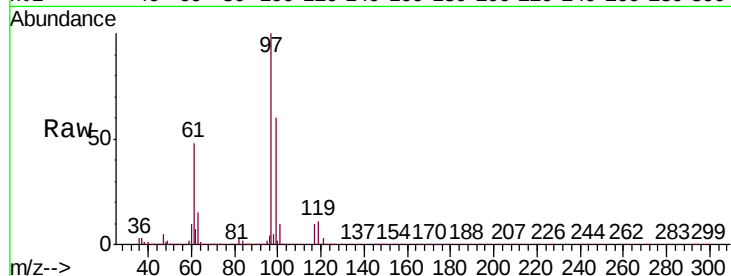




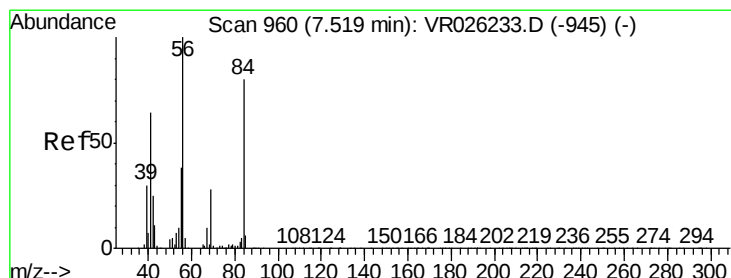
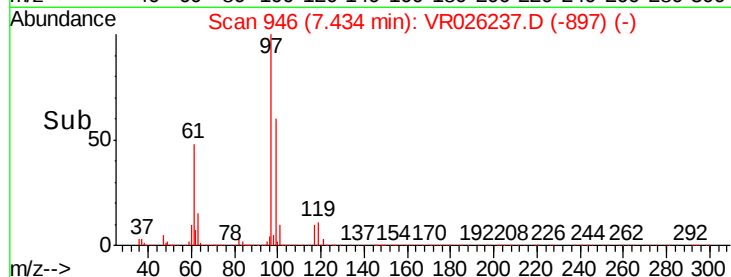
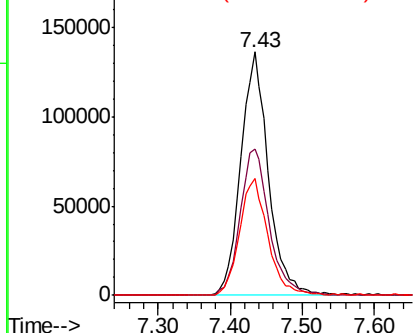
#29
1,1,1-Trichloroethane
Concen: 4.450 ug/L
RT: 7.43 min Scan# 946
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

Tgt Ion:	97	Resp:	361431
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.9	77.9
61	49.4	39.9	59.9

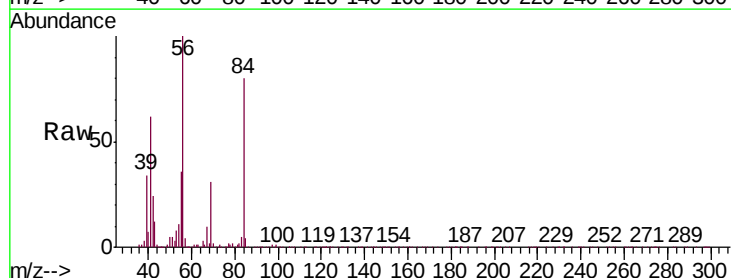


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

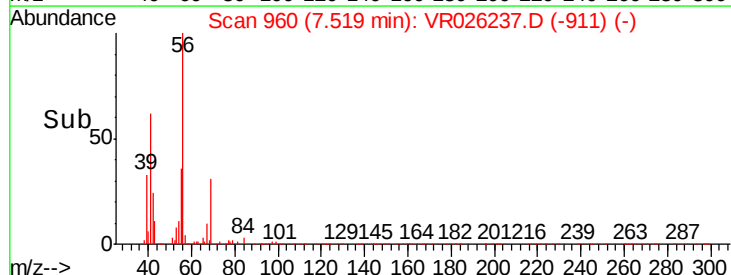
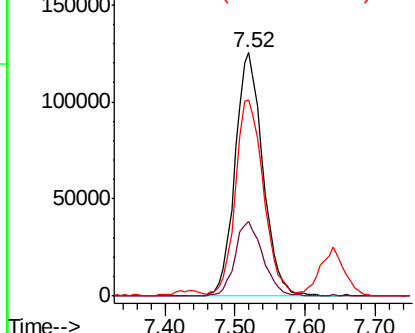


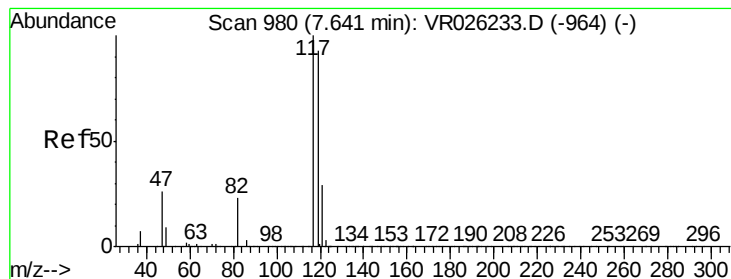
#30
Cyclohexane
Concen: 4.785 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion:	56	Resp:	345671
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.6	35.4
84	80.9	64.9	97.3



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





#31

Carbon tetrachloride

Concen: 4.445 ug/L

RT: 7.64 min Scan# 980

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

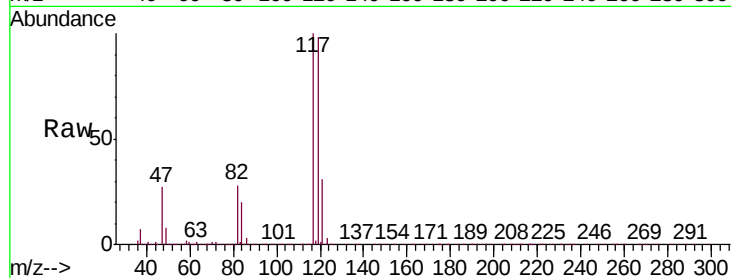
VSTD00594

Tgt Ion:117 Resp: 328119

Ion Ratio Lower Upper

117 100

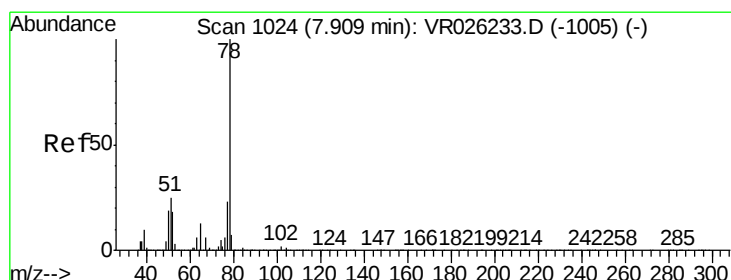
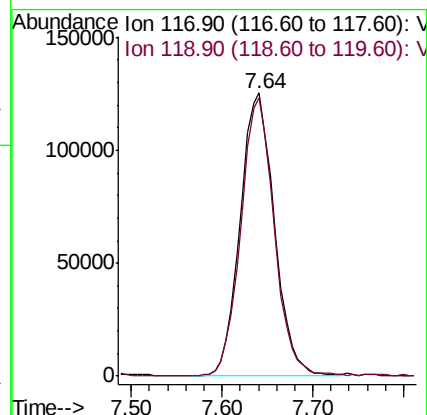
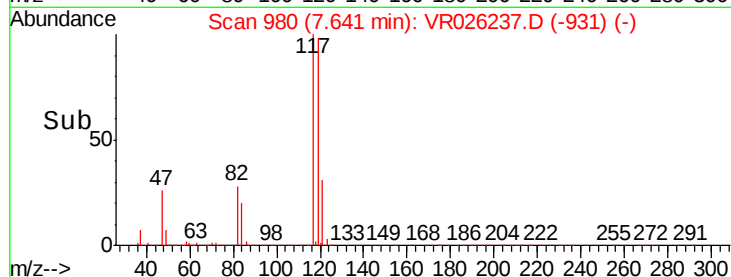
119 95.5 74.7 112.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64



#33

Benzene

Concen: 4.449 ug/L

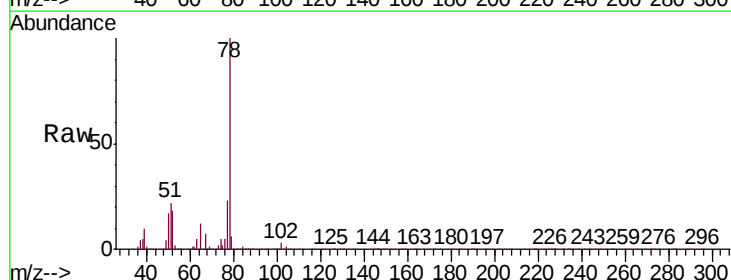
RT: 7.91 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VR026237.D

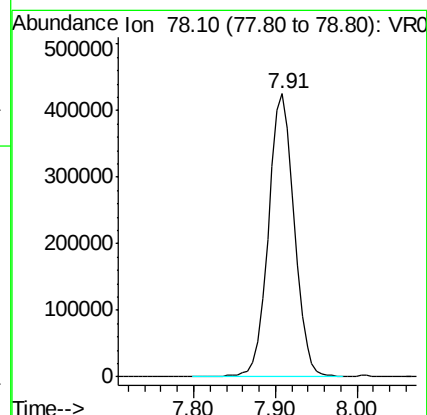
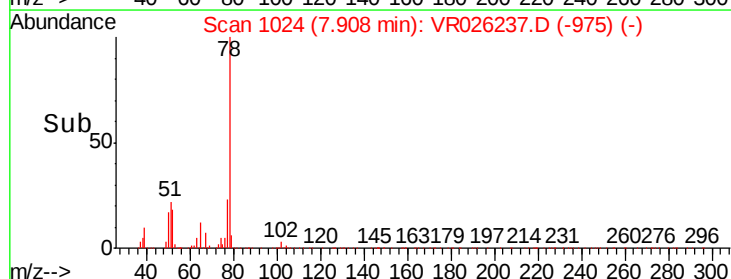
Acq: 20 Nov 2018 19:18

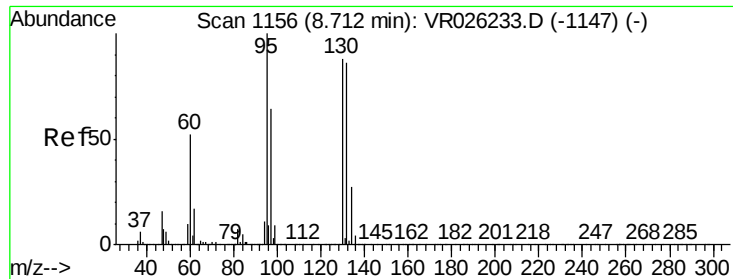
Tgt Ion: 78 Resp: 933917



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91





#34

Trichloroethene

Concen: 4.317 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion: 95 Resp: 240019

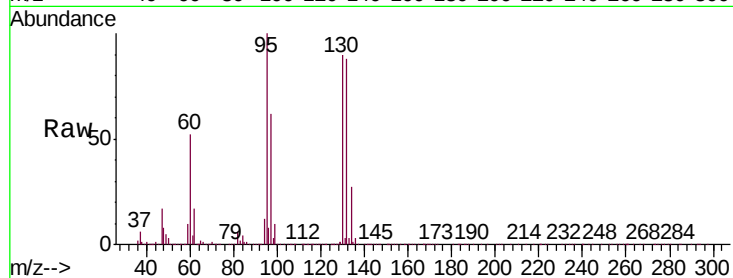
Ion Ratio Lower Upper

95 100

97 61.8 45.1 83.7

132 87.6 59.8 111.0

130 90.2 61.4 114.0

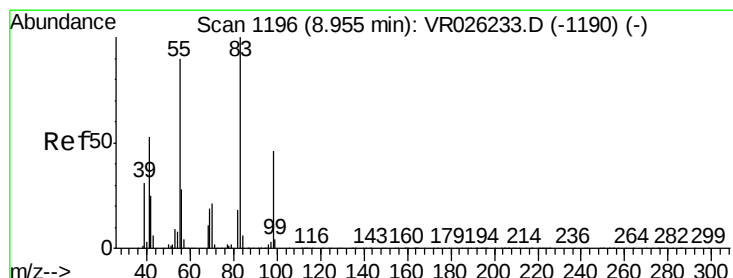
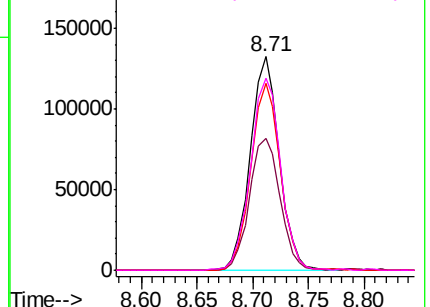
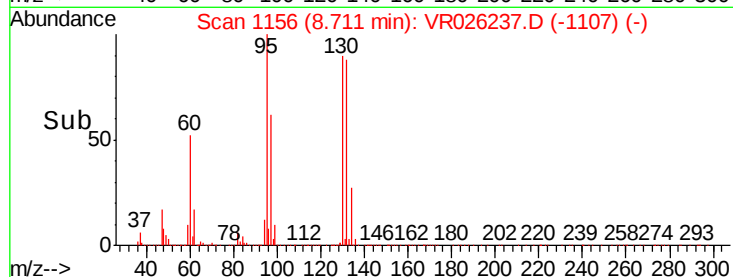


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.878 ug/L

RT: 8.96 min Scan# 1197

Delta R.T. 0.01 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

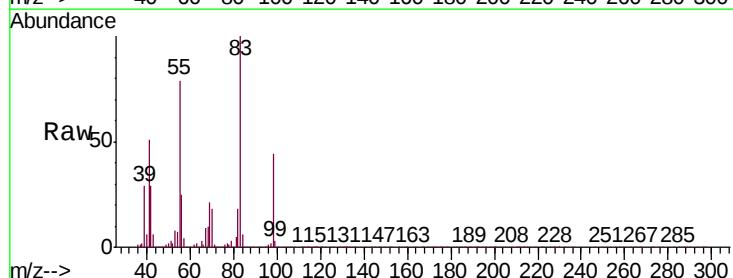
Tgt Ion: 83 Resp: 361057

Ion Ratio Lower Upper

83 100

55 83.7 66.6 100.0

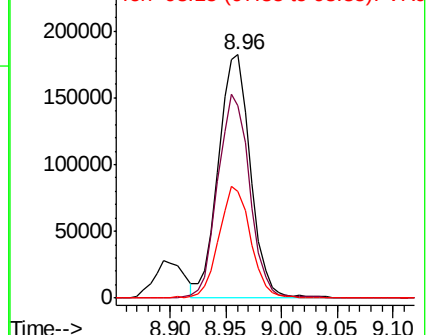
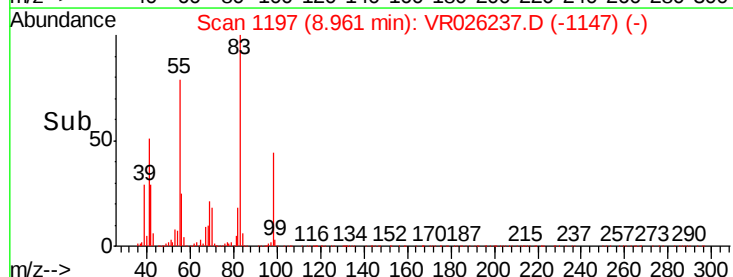
98 45.7 35.5 53.3

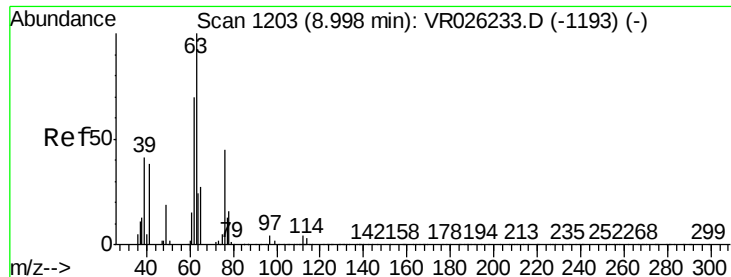


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

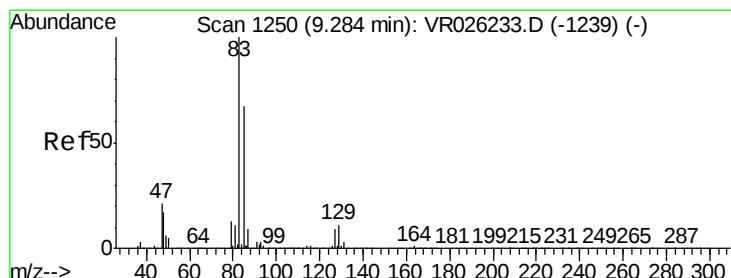
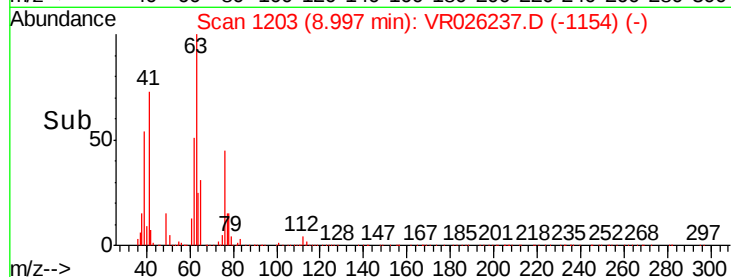
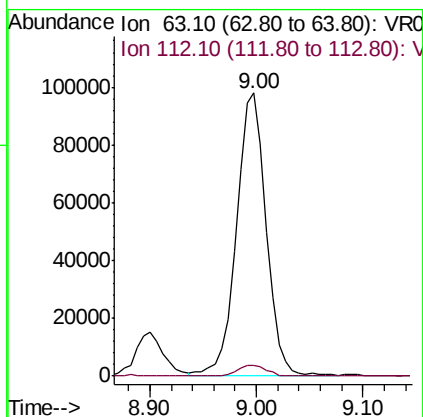
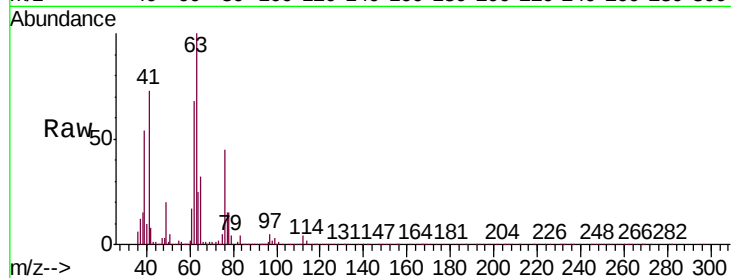




#37
 1,2-Dichloropropane
 Concen: 4.374 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

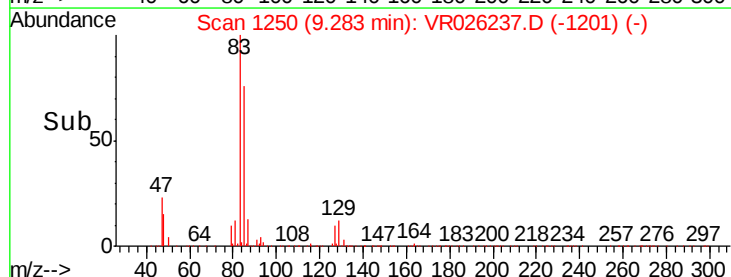
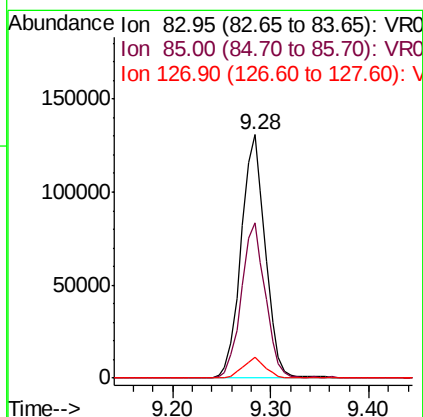
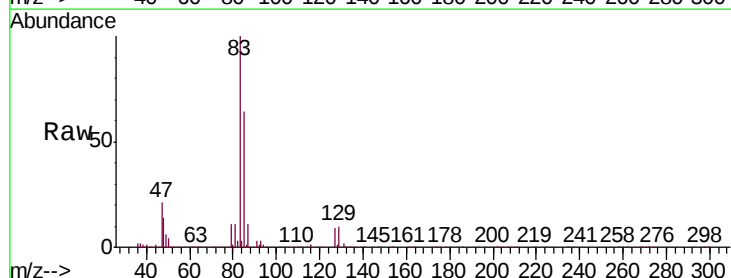
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00594

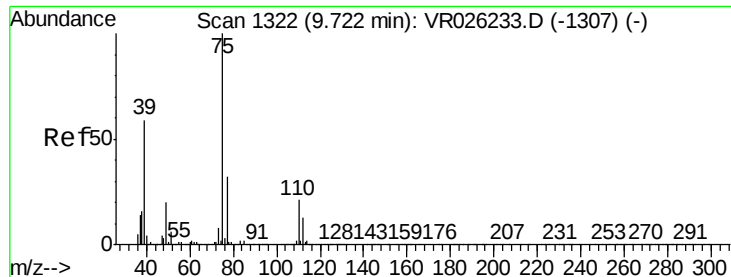
Tgt Ion: 63 Resp: 190000
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 4.426 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion: 83 Resp: 224398
 Ion Ratio Lower Upper
 83 100
 85 64.0 46.8 86.8
 127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.700 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

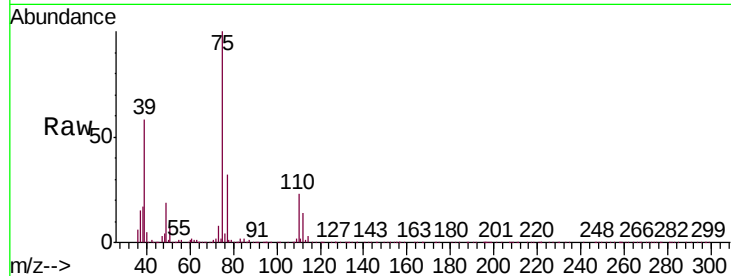
VSTD00594

Tgt Ion: 75 Resp: 234376

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

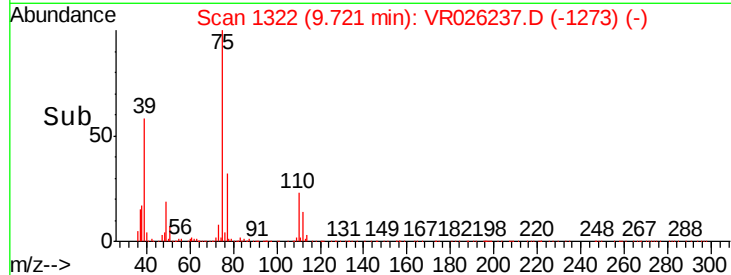
150000

100000

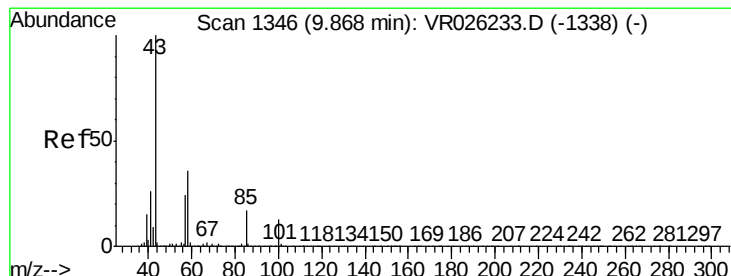
50000

0

9.60 9.70 9.80



Time-->



#40

4-Methyl-2-pentanone

Concen: 49.236 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

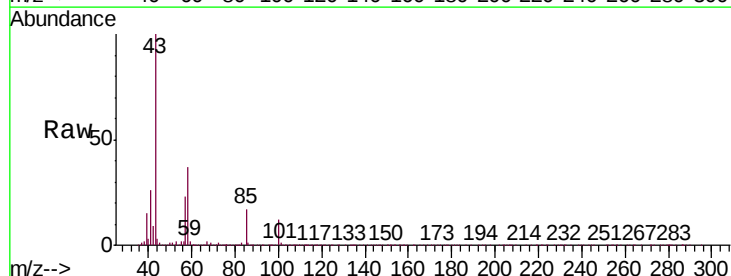
Tgt Ion: 43 Resp: 594415

Ion Ratio Lower Upper

43 100

58 35.8 28.0 42.0

100 12.3 10.0 15.0



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

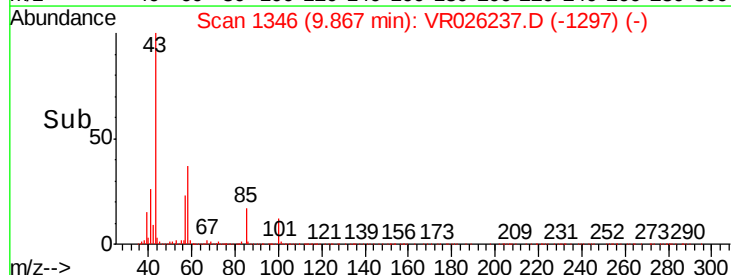
300000

200000

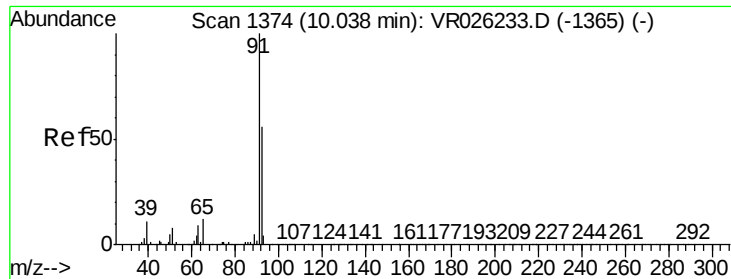
100000

0

9.80 9.90



Time-->



#42

Toluene

Concen: 4.120 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

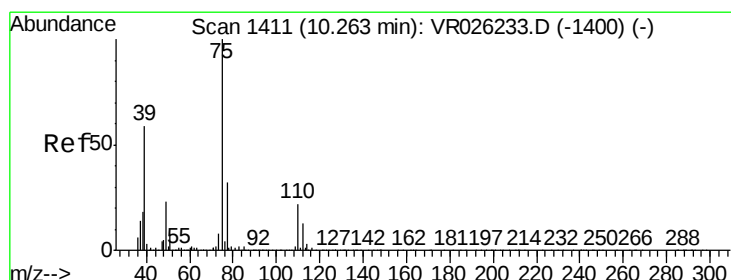
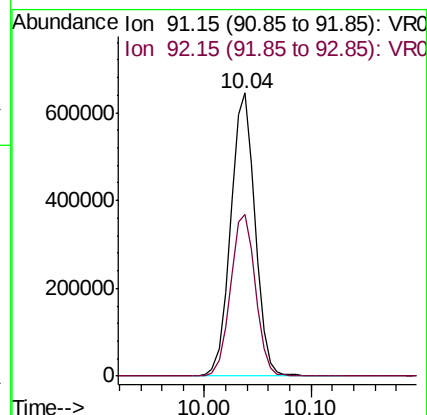
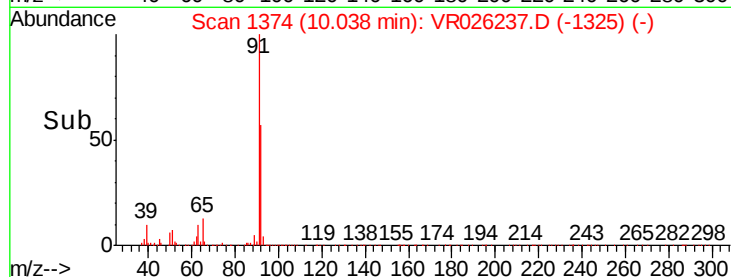
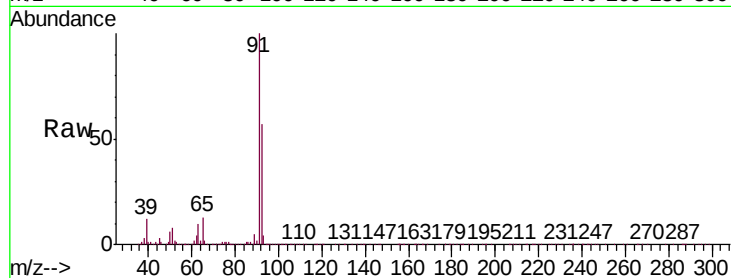
VSTD00594

Tgt Ion: 91 Resp: 1033177

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 4.709 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026237.D

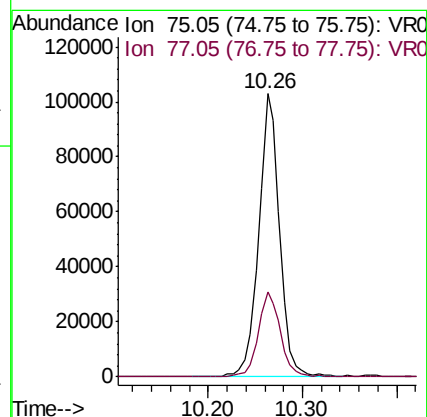
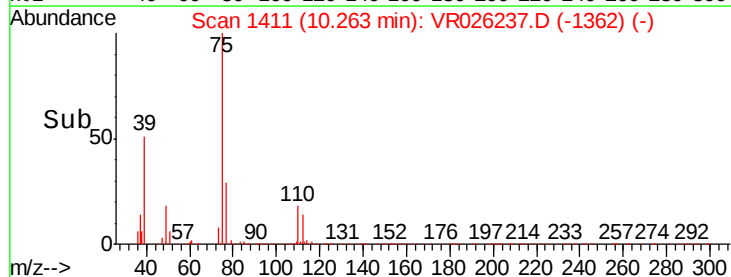
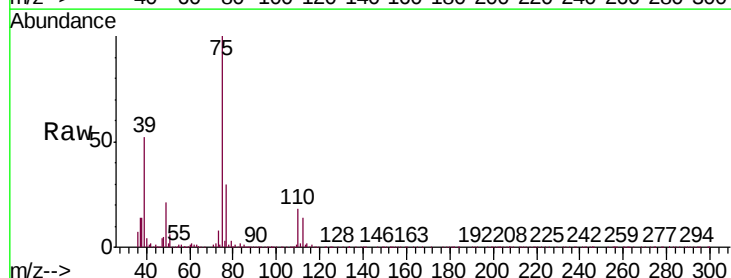
Acq: 20 Nov 2018 19:18

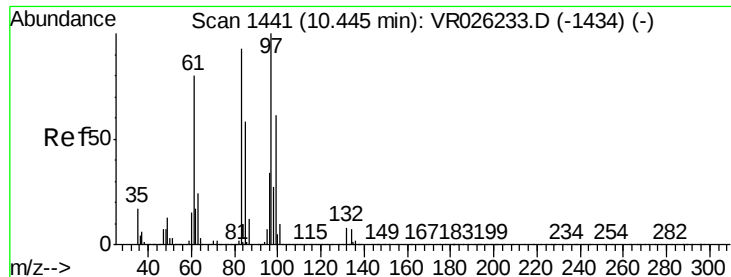
Tgt Ion: 75 Resp: 160262

Ion Ratio Lower Upper

75 100

77 29.9 22.3 41.3

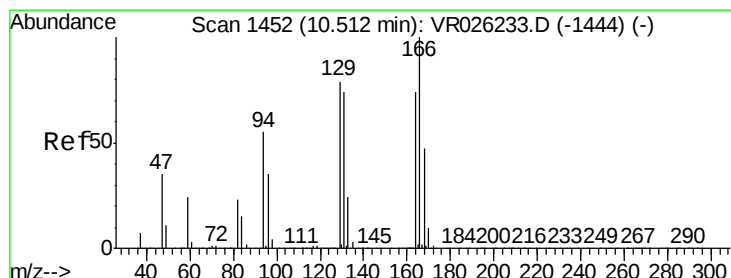
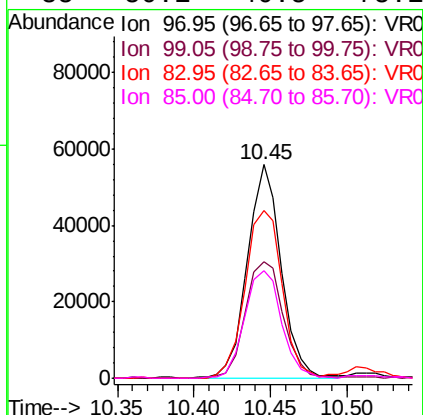
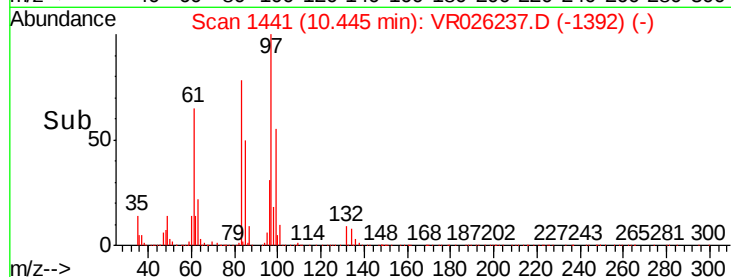
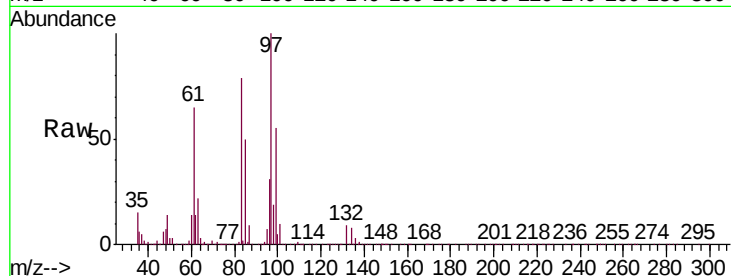




#45
 1,1,2-Trichloroethane
 Concen: 4.574 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

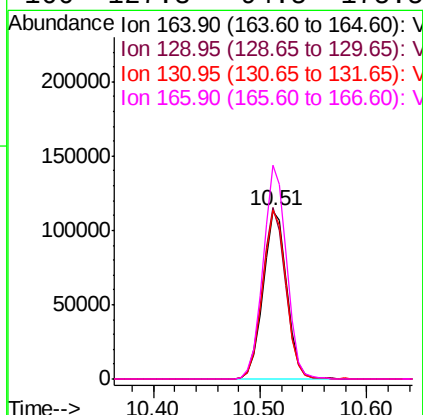
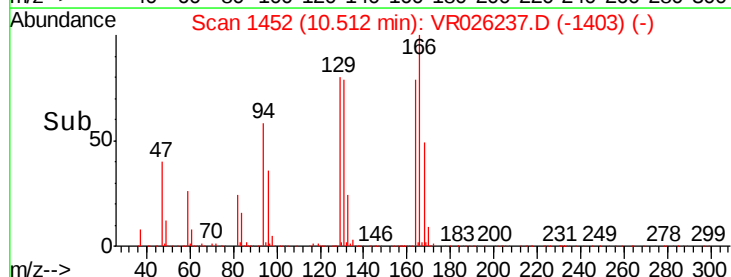
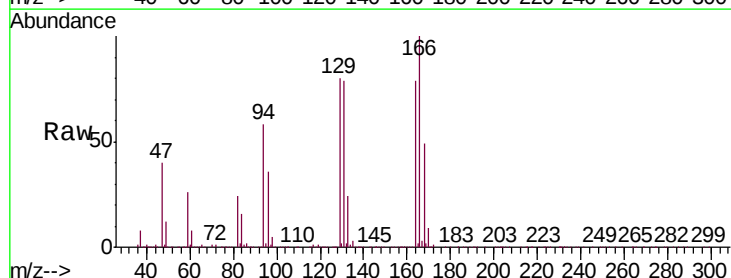
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

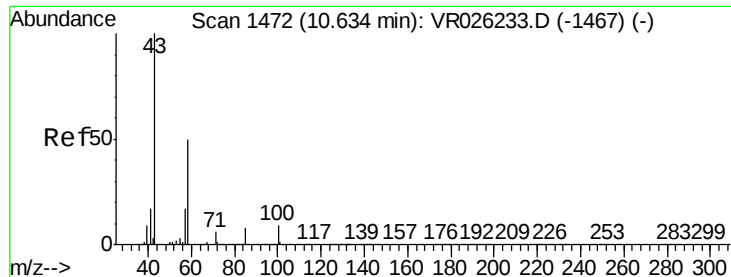
Tgt Ion:	97	Resp:	85510
Ion	Ratio	Lower	Upper
97	100		
99	54.6	43.0	80.0
83	78.6	65.0	120.8
85	50.1	40.5	75.1



#47
 Tetrachloroethene
 Concen: 4.310 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion:	164	Resp:	175973
Ion	Ratio	Lower	Upper
164	100		
129	102.4	74.6	138.6
131	100.7	69.8	129.6
166	127.3	94.5	175.5

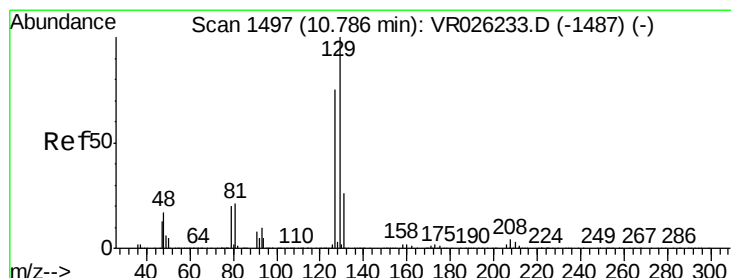
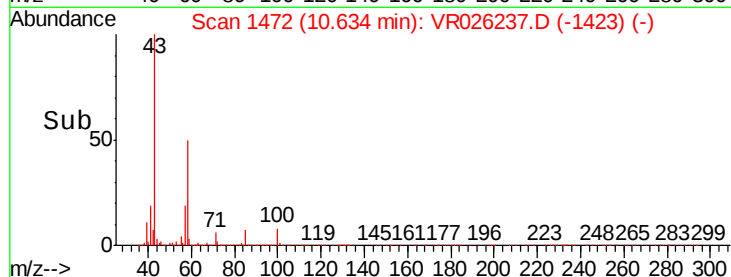
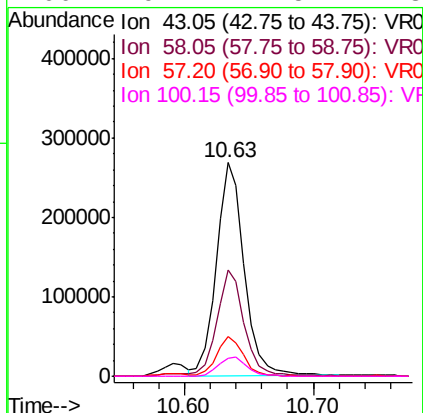
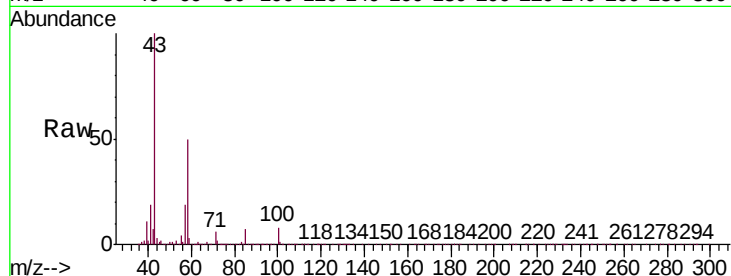




#48
2-Hexanone
Concen: 49.974 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

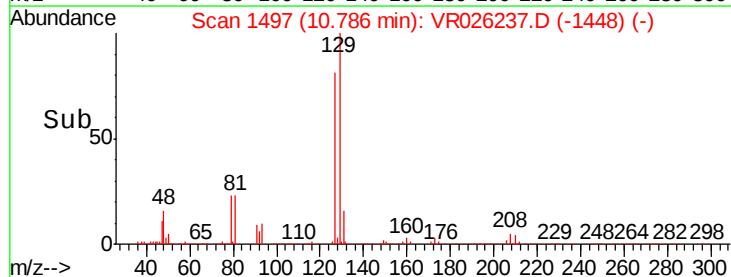
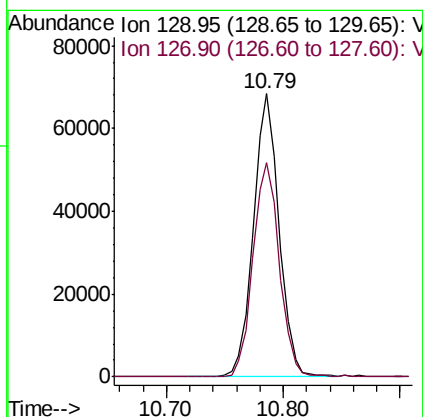
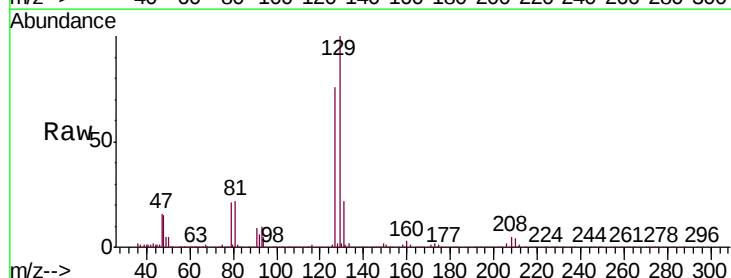
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

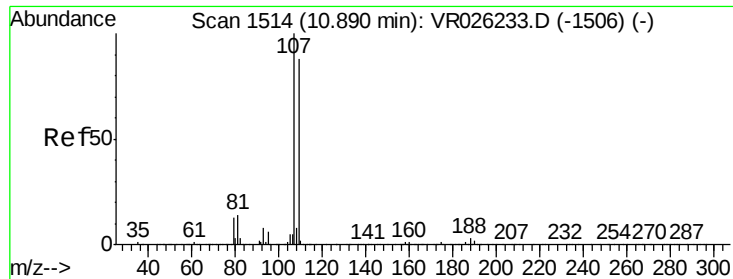
Tgt Ion:	43	Resp:	405236
Ion	Ratio	Lower	Upper
43	100		
58	48.7	41.3	61.9
57	17.7	14.5	21.7
100	9.4	7.5	11.3



#49
Dibromochloromethane
Concen: 4.611 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion:	129	Resp:	104755
Ion	Ratio	Lower	Upper
129	100		
127	75.8	52.8	98.0

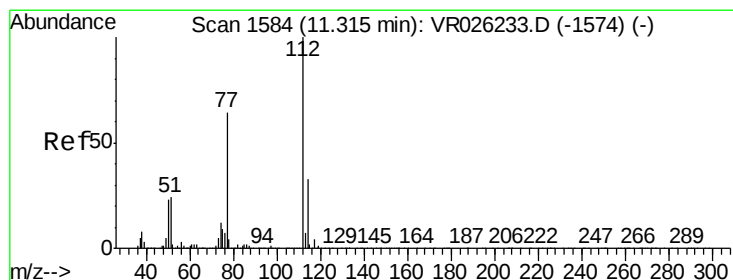
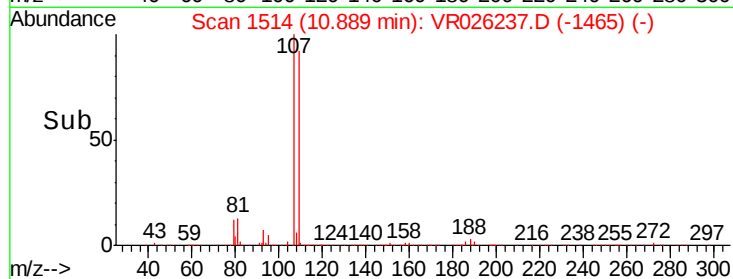
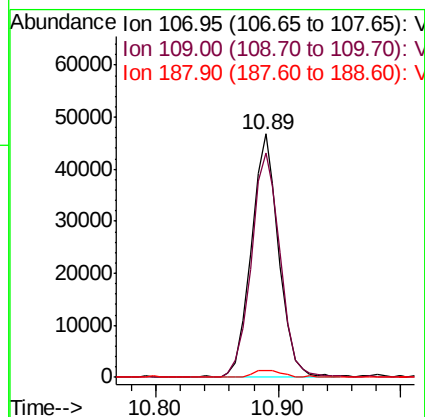
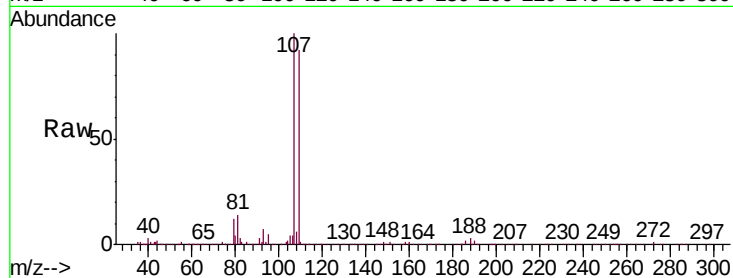




#50
1,2-Dibromoethane
Concen: 4.475 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

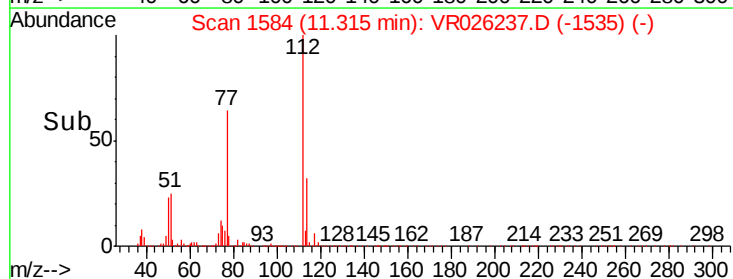
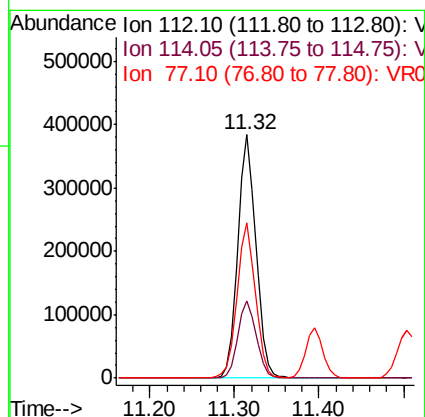
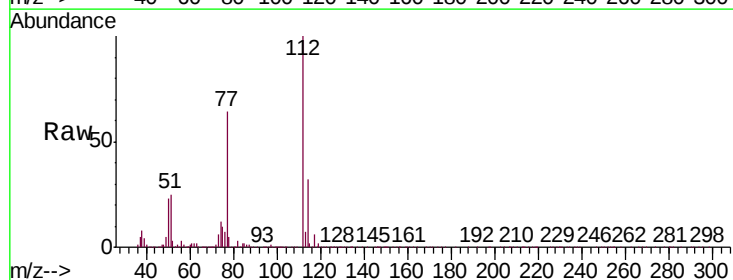
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

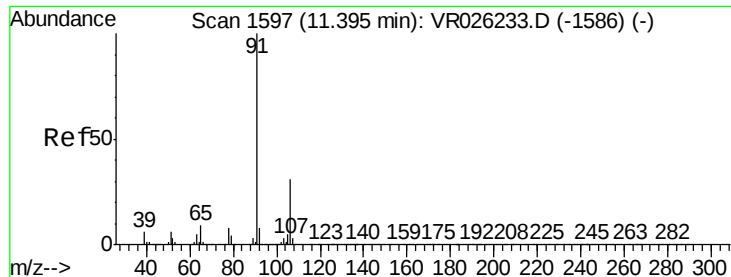
Tgt Ion:107 Resp: 72947
Ion Ratio Lower Upper
107 100
109 92.0 62.1 115.3
188 2.9 2.2 3.2



#51
Chlorobenzene
Concen: 4.526 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion:112 Resp: 555389
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 63.6 51.5 77.3





#52

Ethylbenzene

Concen: 4.698 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampleId :

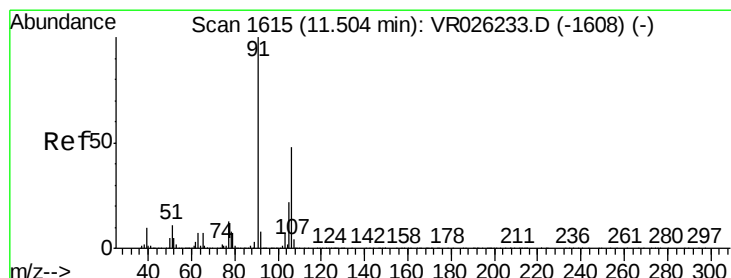
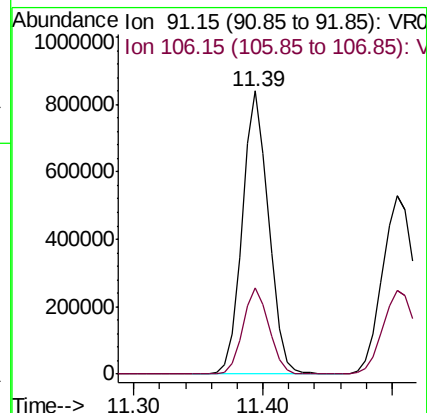
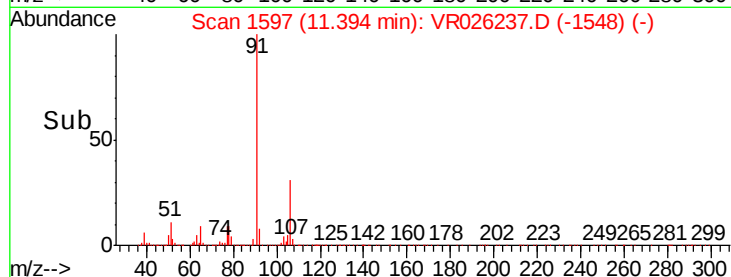
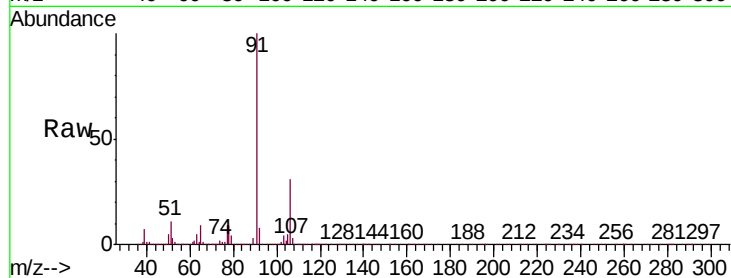
VSTD00594

Tgt Ion: 91 Resp: 1179864

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 4.599 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026237.D

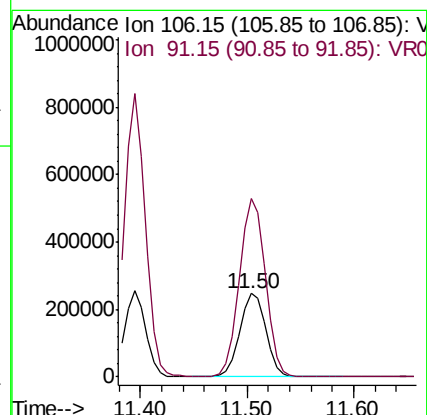
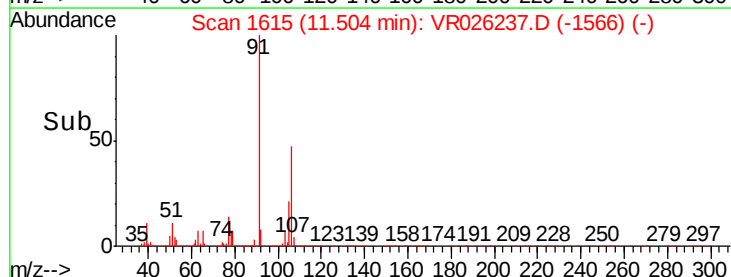
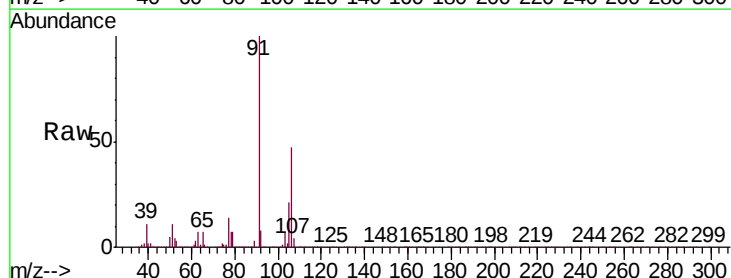
Acq: 20 Nov 2018 19:18

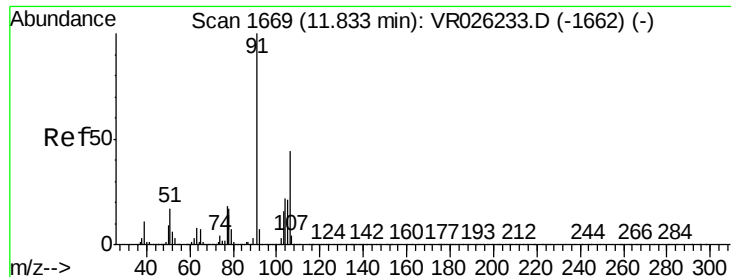
Tgt Ion: 106 Resp: 425958

Ion Ratio Lower Upper

106 100

91 214.3 147.2 273.4

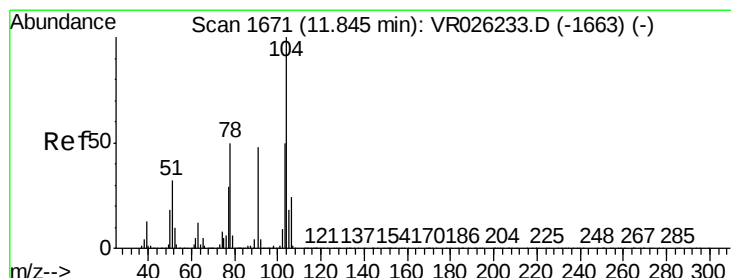
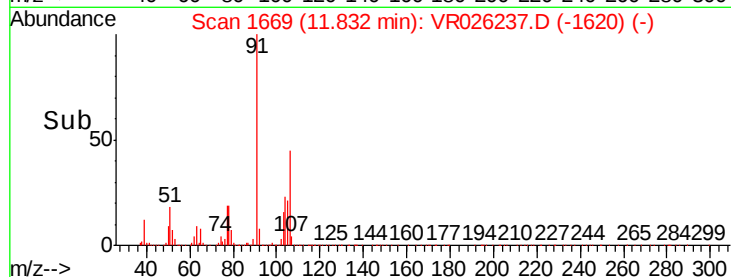
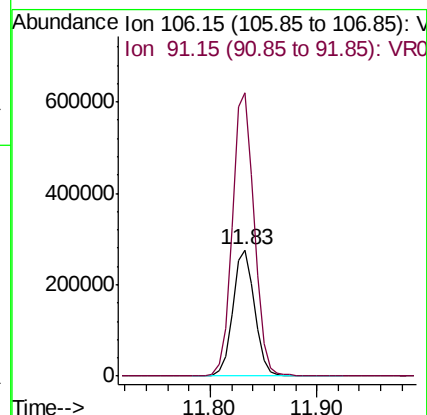
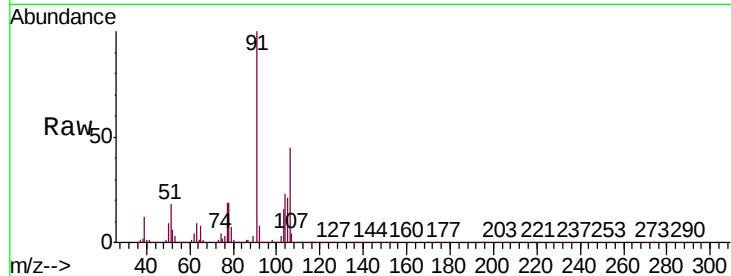




#54
o-Xylene
Concen: 4.641 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

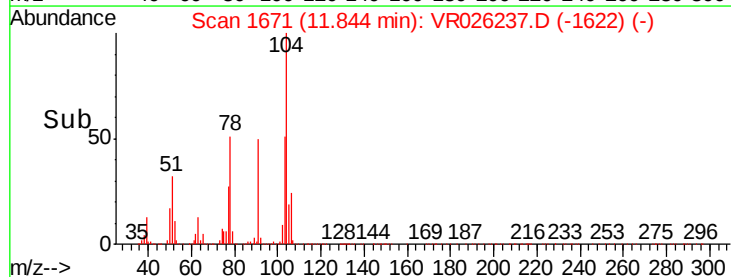
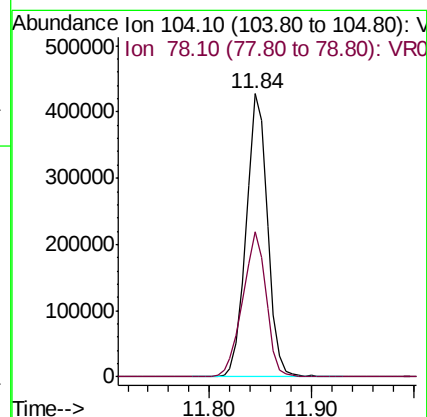
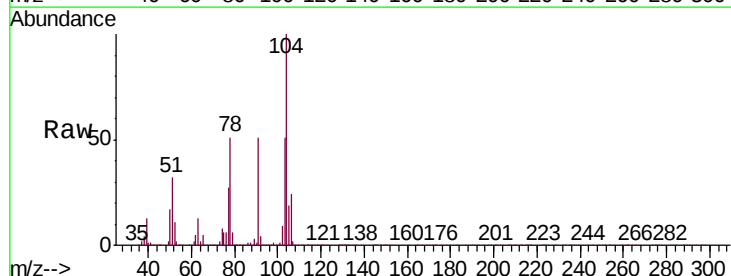
Instrument :
MSVOA_R
ClientSampleId :
VSTD00594

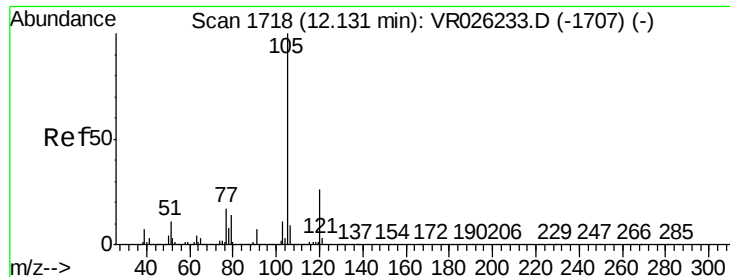
Tgt Ion:106 Resp: 393592
Ion Ratio Lower Upper
106 100
91 223.7 159.0 295.4



#55
Styrene
Concen: 4.760 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion:104 Resp: 615987
Ion Ratio Lower Upper
104 100
78 51.2 35.4 65.7





#56

Isopropylbenzene

Concen: 4.874 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampled :

VSTD00594

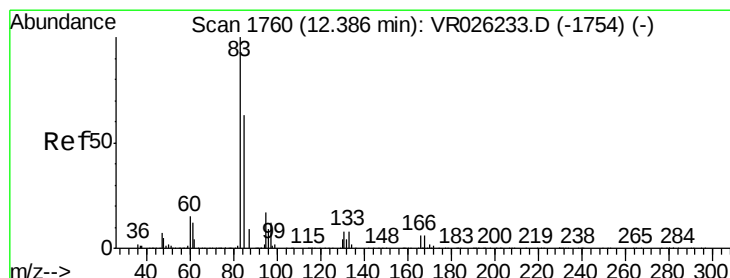
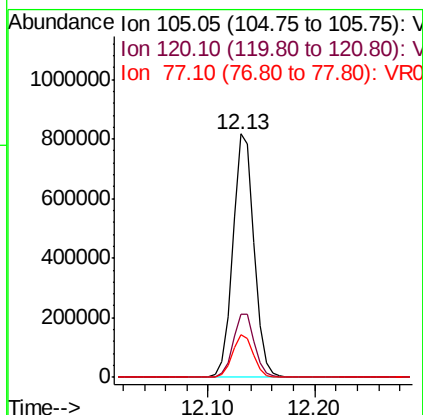
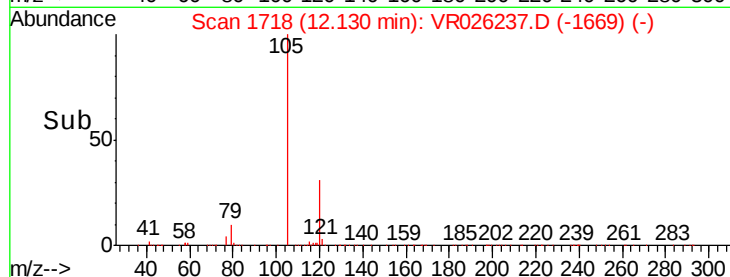
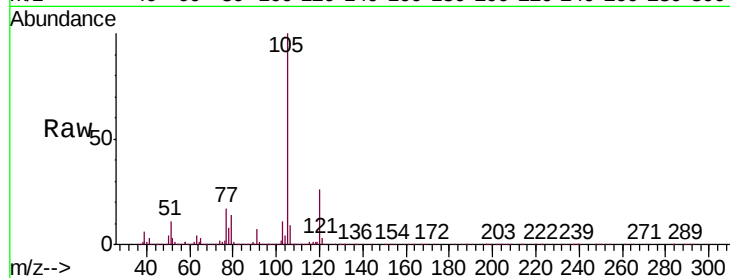
Tgt Ion:105 Resp: 1132218

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

77 17.3 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.625 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

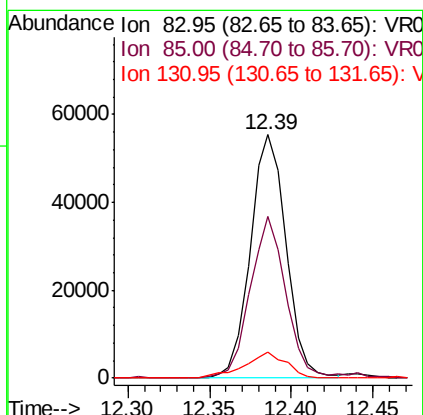
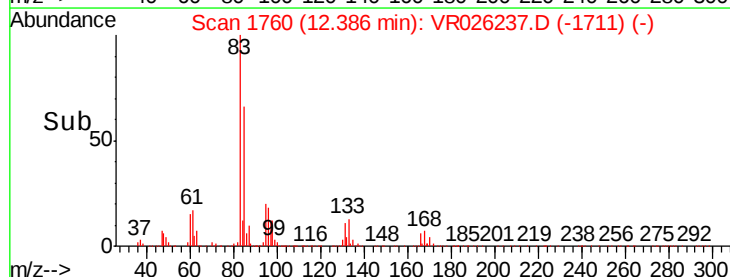
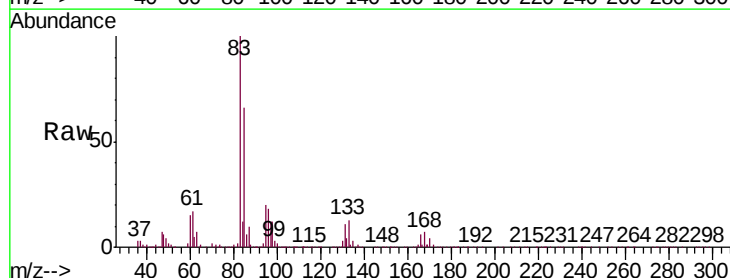
Tgt Ion: 83 Resp: 84161

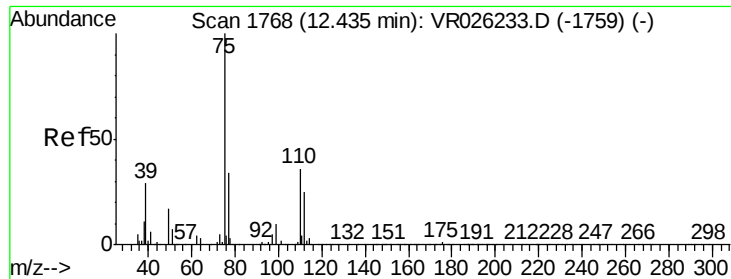
Ion Ratio Lower Upper

83 100

85 66.3 44.5 82.7

131 10.6 7.1 10.7

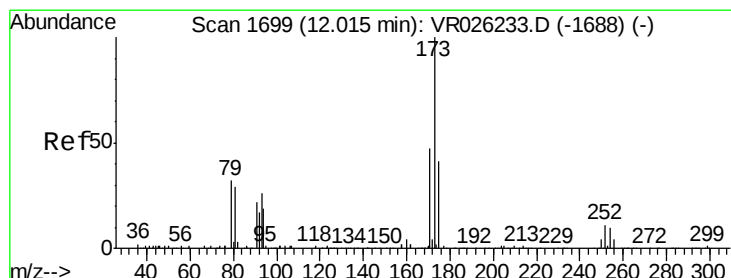
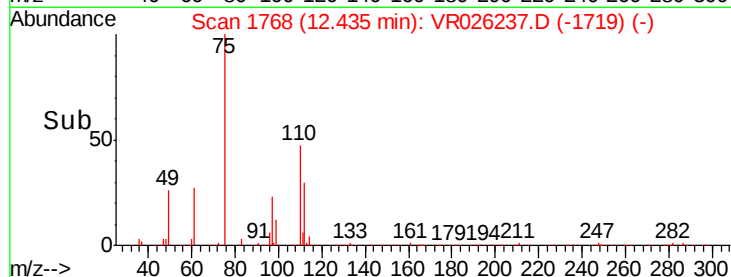
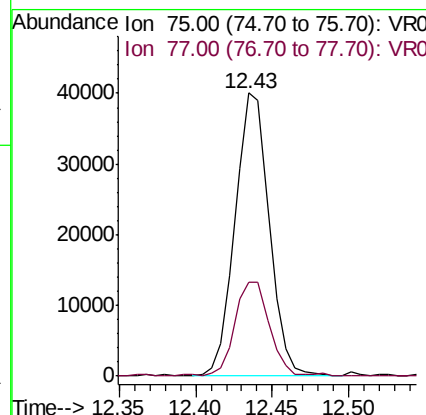
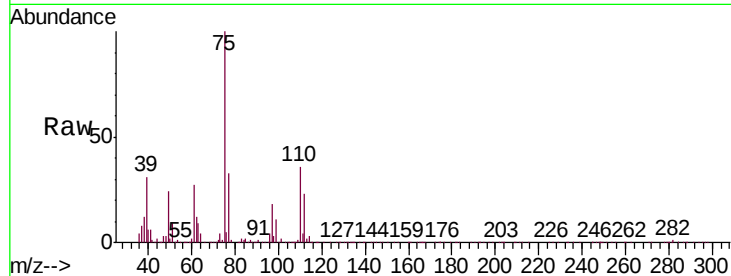




#59
 1,2,3-Trichloropropane
 Concen: 4.549 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

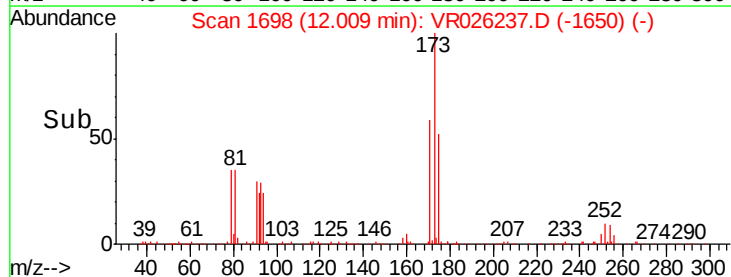
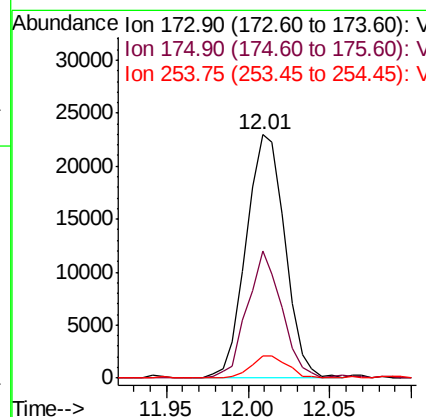
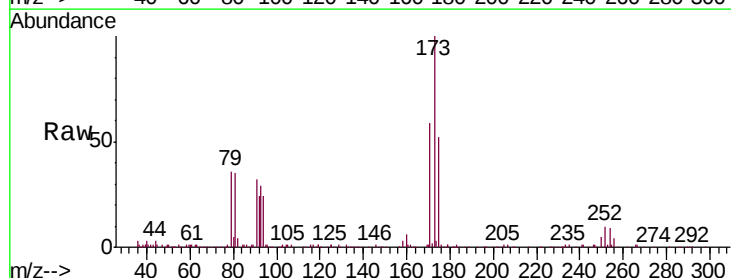
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

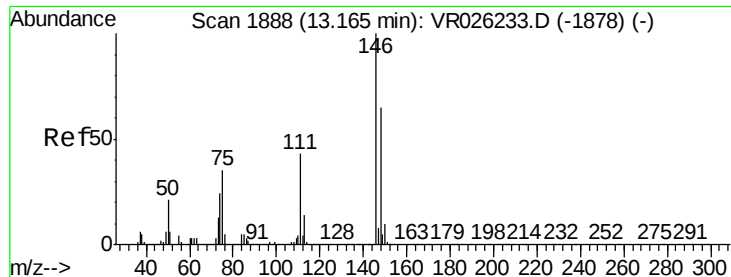
Tgt Ion: 75 Resp: 62058
 Ion Ratio Lower Upper
 75 100
 77 34.3 26.1 39.1



#61
 Bromoform
 Concen: 4.278 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion: 173 Resp: 38045
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.8 56.8
 254 8.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.679 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

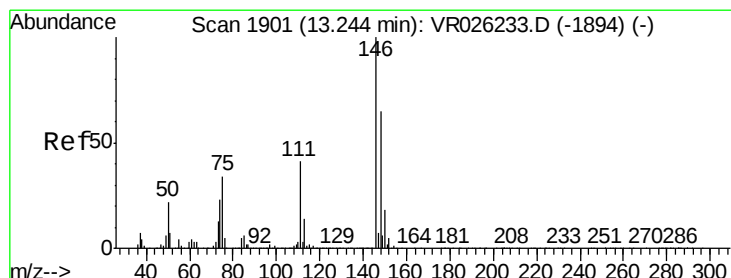
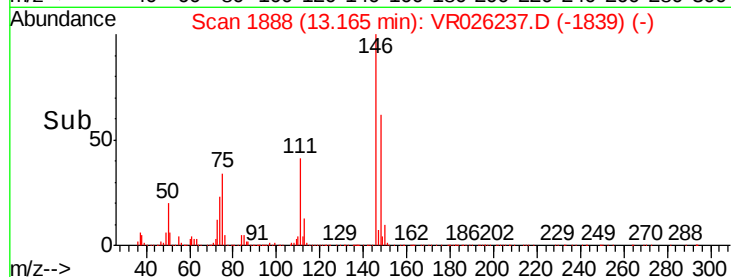
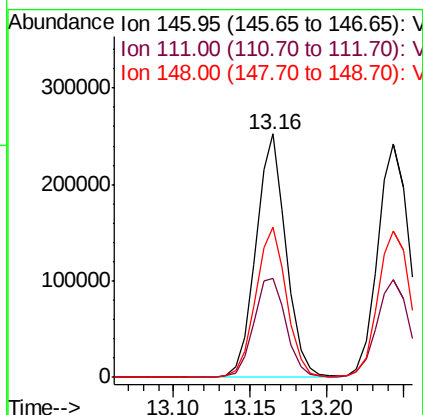
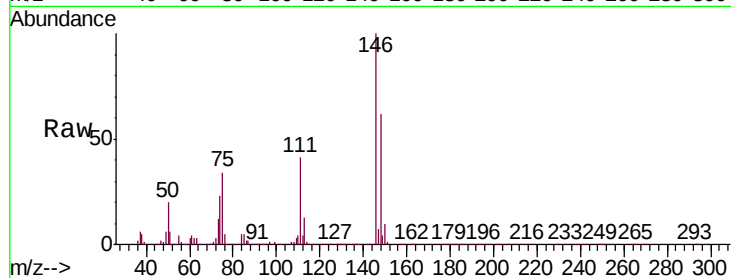
Instrument :

MSVOA_R

ClientSampleId :

VSTD00594

Tgt Ion:	146	Resp:	345404
Ion	Ratio	Lower	Upper
146	100		
111	40.7	29.9	55.5
148	61.9	45.6	84.8



#63

1,4-Dichlorobenzene

Concen: 4.410 ug/L

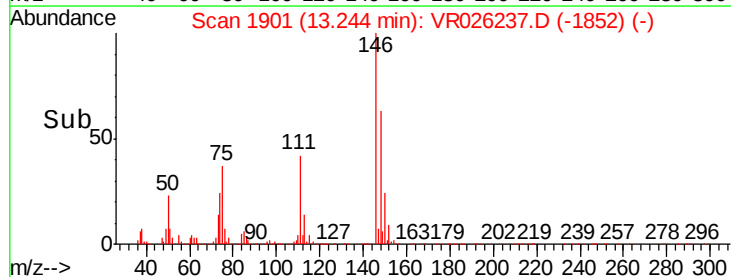
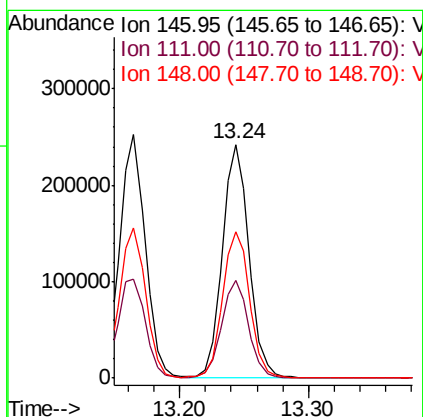
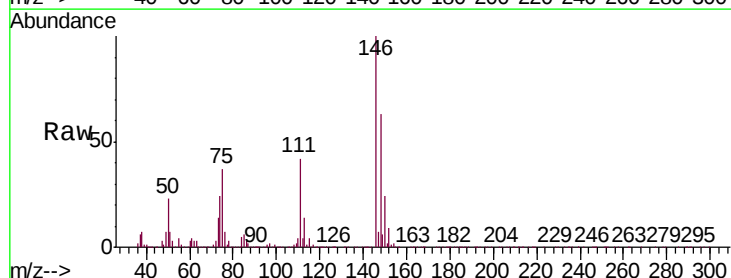
RT: 13.24 min Scan# 1901

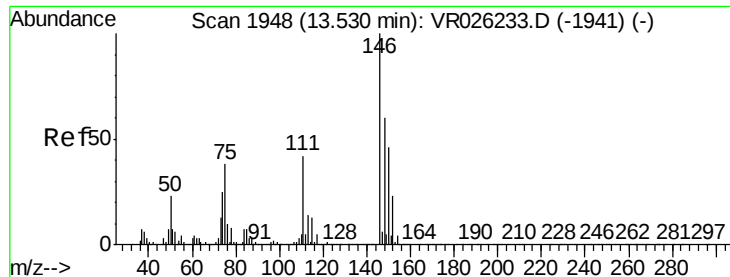
Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Tgt Ion:	146	Resp:	351211
Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.0	53.9
148	62.8	45.6	84.8

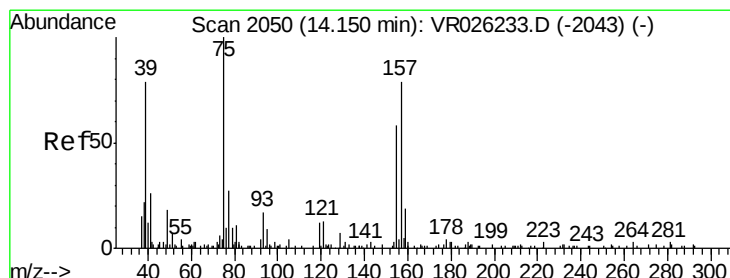
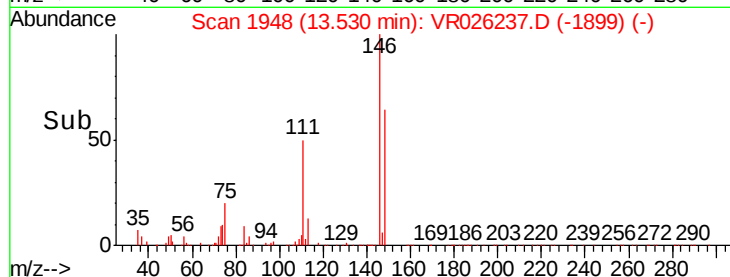
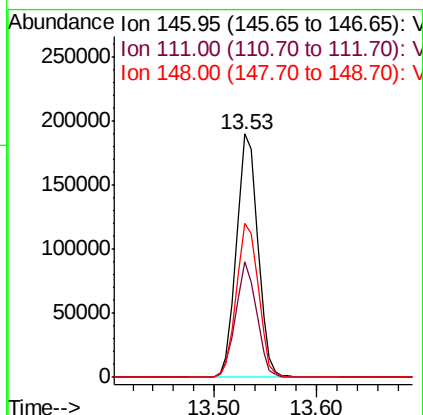
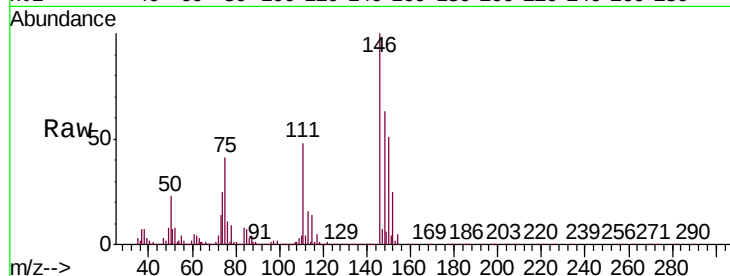




#65
1,2-Dichlorobenzene
Concen: 4.516 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

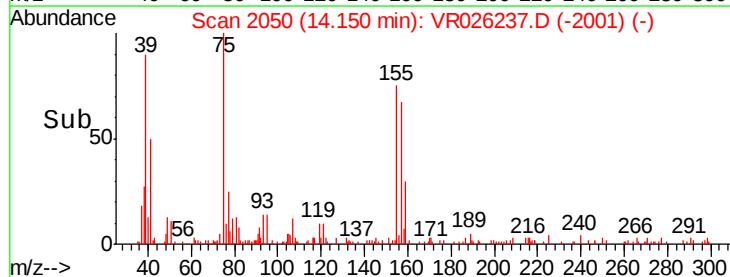
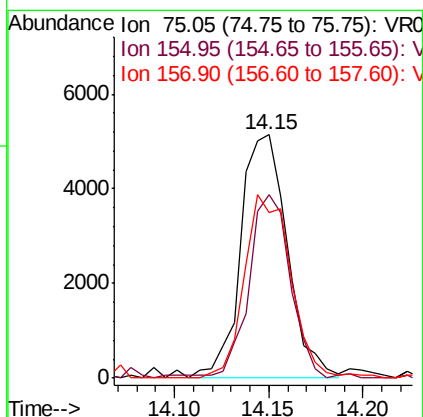
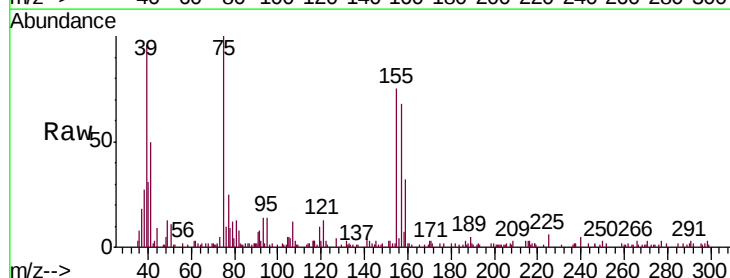
Instrument :
MSVOA_R
ClientSampled :
VSTD00594

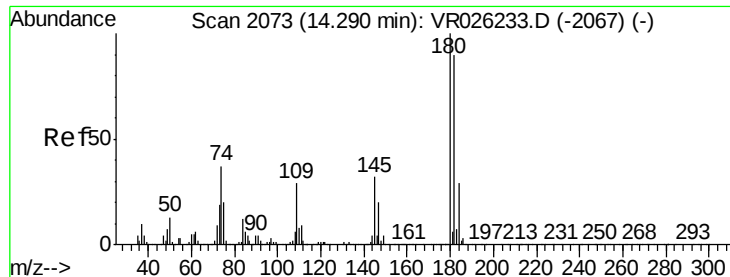
Tgt Ion:146 Resp: 273812
Ion Ratio Lower Upper
146 100
111 47.7 33.7 50.5
148 63.4 48.2 72.4



#66
1,2-Dibromo-3-chloropropane
Concen: 4.349 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. -0.00 min
Lab File: VR026237.D
Acq: 20 Nov 2018 19:18

Tgt Ion: 75 Resp: 8816
Ion Ratio Lower Upper
75 100
155 75.5 46.0 69.0#
157 67.9 65.5 98.3

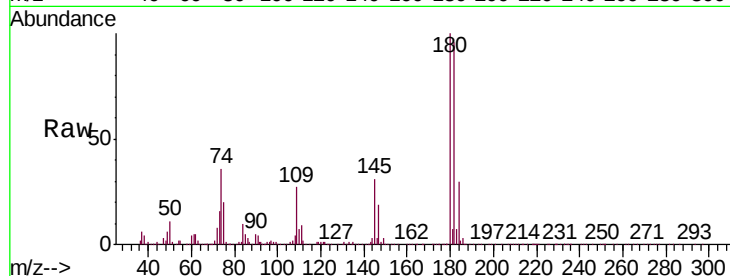




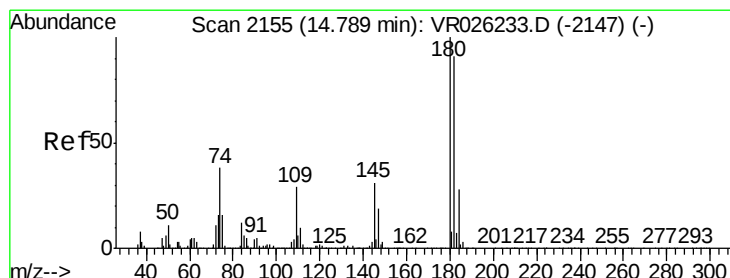
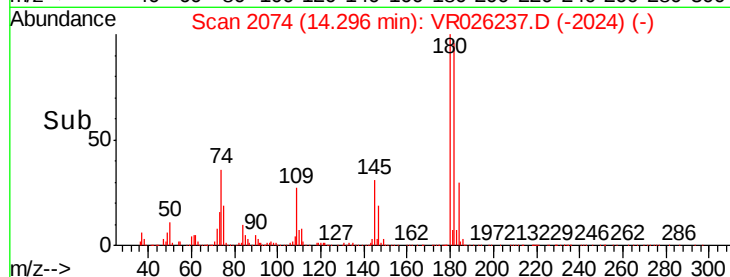
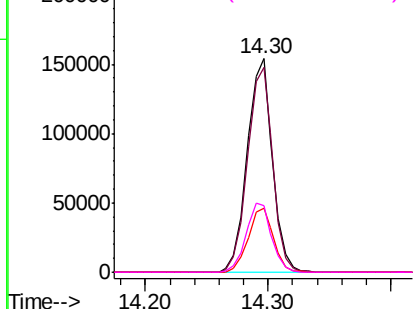
#67
 1,3,5-Trichlorobenzene
 Concen: 4.613 ug/L
 RT: 14.30 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00594

Tgt Ion:	180	Resp:	220521
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
184	30.2	24.7	37.1
145	32.6	26.2	39.4

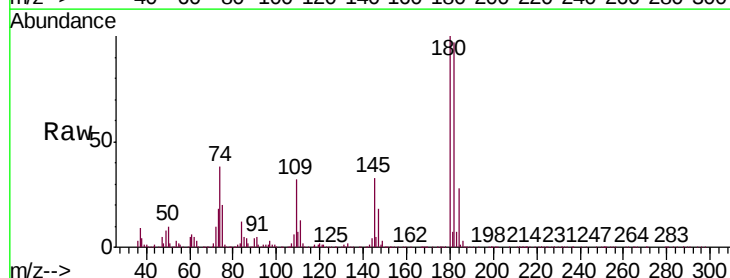


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

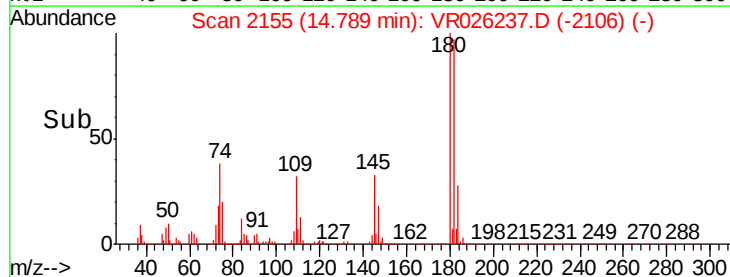
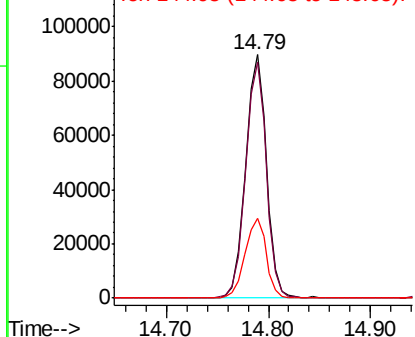


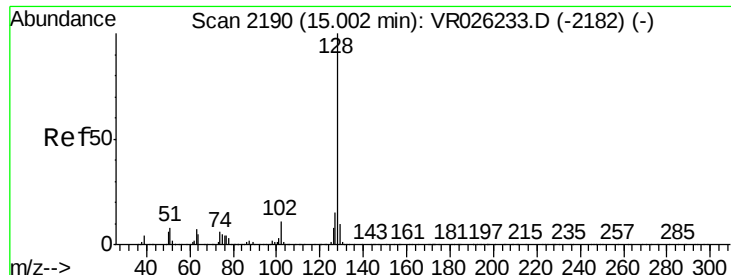
#68
 1,2,4-trichlorobenzene
 Concen: 4.731 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VR026237.D
 Acq: 20 Nov 2018 19:18

Tgt Ion:	180	Resp:	127871
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	33.0	26.2	39.4



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: 4.881 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

Instrument :

MSVOA_R

ClientSampled :

VSTD00594

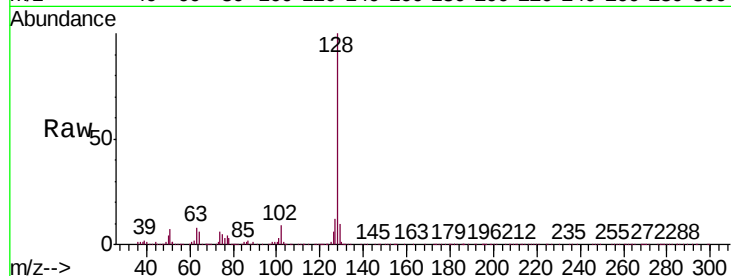
Tgt Ion:128 Resp: 128519

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

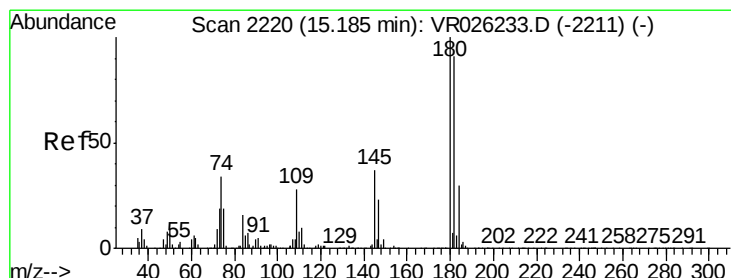
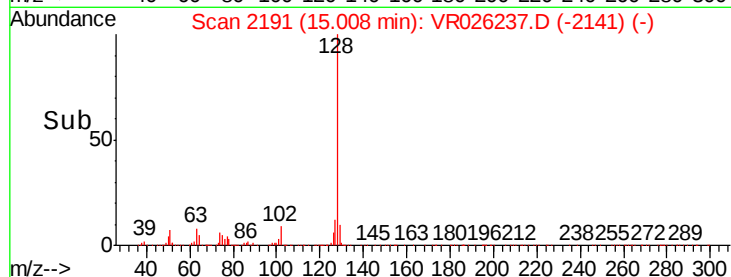
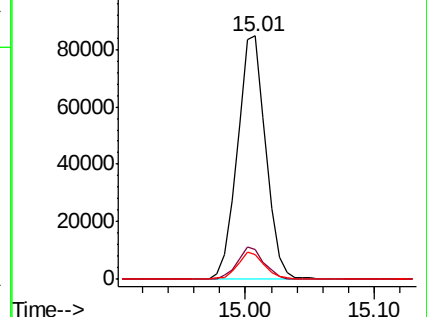
129 10.9 9.0 13.6



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: 4.837 ug/L

RT: 15.18 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VR026237.D

Acq: 20 Nov 2018 19:18

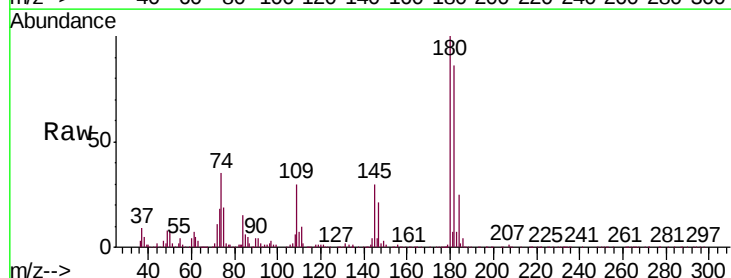
Tgt Ion:180 Resp: 93532

Ion Ratio Lower Upper

180 100

182 94.2 74.4 111.6

145 34.7 29.0 43.6



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

