

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080918\
 Data File : VR025615.D
 Acq On : 9 Aug 2018 20:30
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Quant Time: Aug 10 07:22:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 09 04:27:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	542408	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489155	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	215334	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	145622	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	2.64	69	97554	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	3.64	63	356907	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	6.60	46	193807	69.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.54%#
24) Chloroform-d	7.21	84	289975	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	7.90	65	111564	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.80%
32) Benzene-d6	7.86	84	630021	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	8.90	67	172221	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	9.97	98	601175	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	10.24	79	42985	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	10.59	63	200284	71.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.30%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	93216	5.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	162052	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	156038	5.025 ug/L	94
3) Chloromethane	2.01	50	227121	5.537 ug/L	98
5) Vinyl chloride	2.16	62	203031	4.954 ug/L	94
6) Bromomethane	2.53	94	62252	2.762 ug/L	88
8) Chloroethane	2.67	64	87242	3.833 ug/L	97
9) Trichlorofluoromethane	2.97	101	308808	5.516 ug/L #	83
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	184962	5.113 ug/L	96
12) 1,1-Dichloroethene	3.66	96	202930	5.238 ug/L	91
13) Acetone	3.70	43	174679	74.809 ug/L	99
14) Carbon disulfide	3.97	76	402860	4.489 ug/L	98
15) Methyl Acetate	4.20	43	41492	5.628 ug/L	97
16) Methylene chloride	4.41	84	121310	3.708 ug/L	90
17) Methyl tert-butyl Ether	4.90	73	214235	5.509 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	191615	5.164 ug/L	94
19) 1,1-Dichloroethane	5.70	63	283825	5.228 ug/L	95
21) 2-Butanone	6.69	43	236305	72.843 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	198589	5.860 ug/L #	99

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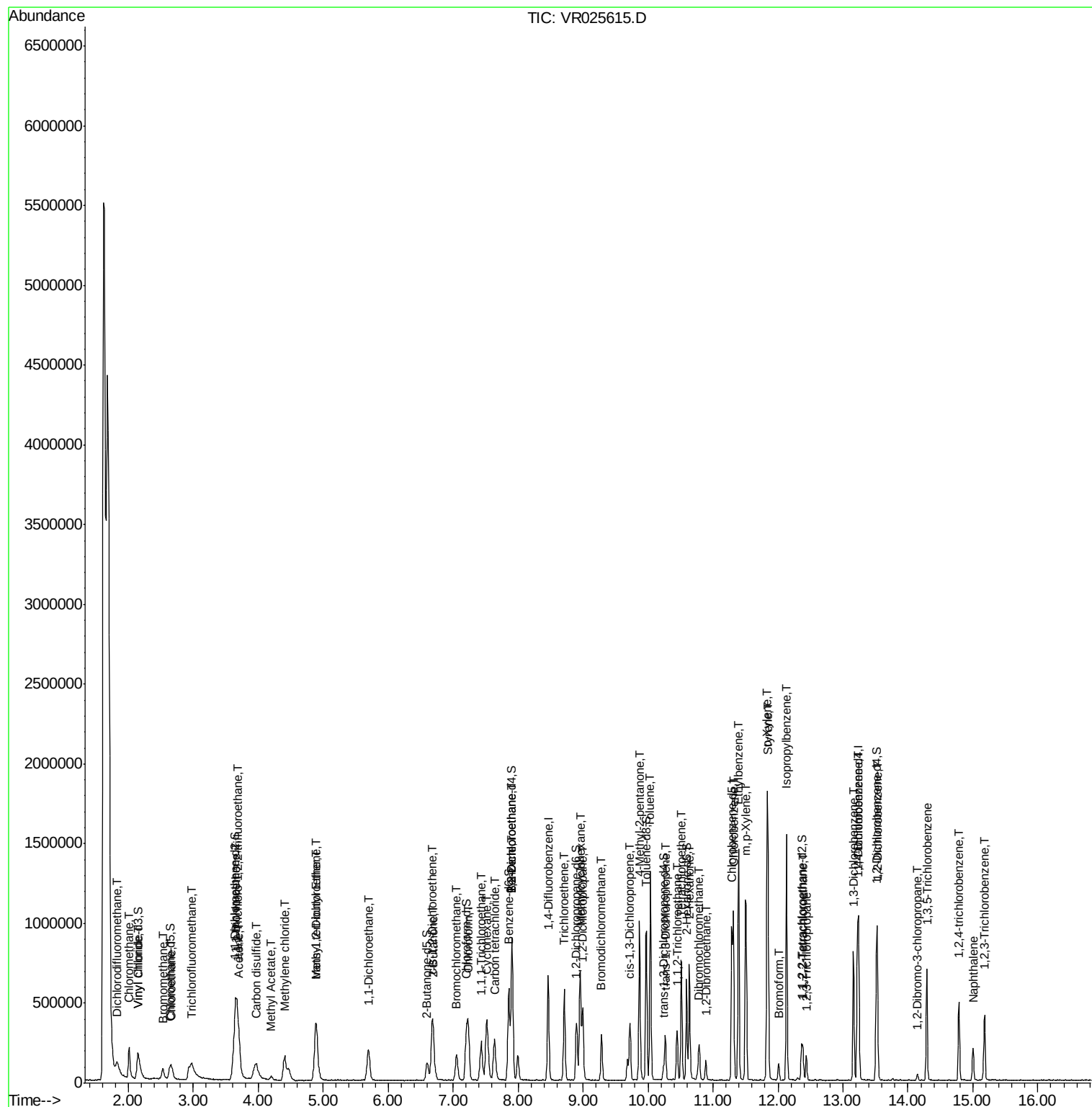
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	66989	5.958	ug/L	90
25) Chloroform	7.23	83	296826	5.522	ug/L	96
27) 1,2-Dichloroethane	7.91	62	5361	0.250	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	202250	4.668	ug/L	97
30) Cyclohexane	7.52	56	236227	4.734	ug/L	98
31) Carbon tetrachloride	7.64	117	204765	4.580	ug/L	99
33) Benzene	7.91	78	791474	5.238	ug/L	100
34) Trichloroethene	8.71	95	178720	4.755	ug/L	90
35) Methylcyclohexane	8.96	83	292476	5.175	ug/L	98
37) 1,2-Dichloropropane	8.99	63	163432	5.138	ug/L	100
38) Bromodichloromethane	9.28	83	171795	5.287	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	190188	5.415	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	613410	68.432	ug/L	99
42) Toluene	10.03	91	883030	5.487	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	133766	5.455	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	90801	5.732	ug/L	96
47) Tetrachloroethene	10.52	164	169712	5.278	ug/L	92
48) 2-Hexanone	10.64	43	414186	68.516	ug/L	98
49) Dibromochloromethane	10.78	129	111356	5.959	ug/L	92
50) 1,2-Dibromoethane	10.89	107	78616	5.948	ug/L #	94
51) Chlorobenzene	11.31	112	521690	5.361	ug/L	96
52) Ethylbenzene	11.39	91	909053	5.195	ug/L	99
53) m,p-Xylene	11.51	106	373079	5.511	ug/L	99
54) o-Xylene	11.83	106	345450	5.558	ug/L	92
55) Styrene	11.85	104	577789	5.835	ug/L	98
56) Isopropylbenzene	12.13	105	871435	5.330	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	93989	6.261	ug/L	99
59) 1,2,3-Trichloropropane	12.44	75	59890	5.972	ug/L	99
61) Bromoform	12.01	173	46280	5.396	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	313567	5.036	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	352814	5.220	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	291703	5.453	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	7427	4.487	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.29	180	212884	5.030	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	140688	5.173	ug/L	99
69) Naphthalene	15.00	128	156484	5.036	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	127939	6.117	ug/L	98

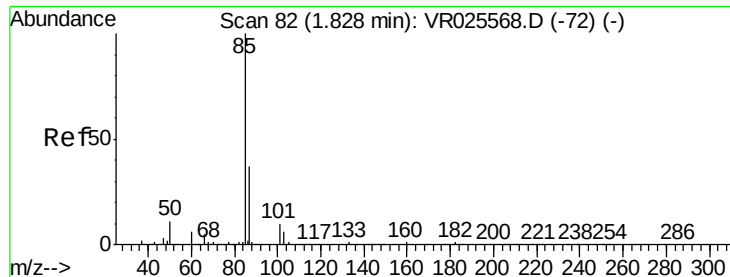
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.025 ug/L

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

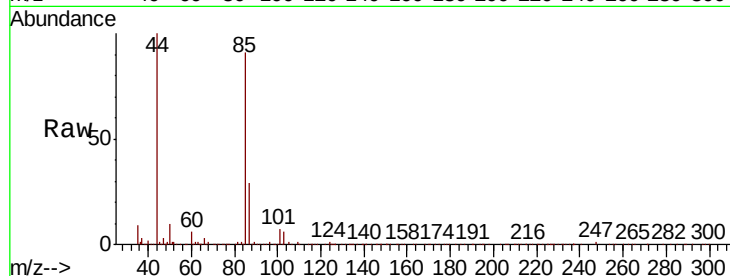
VSTD00597

Tgt Ion: 85 Resp: 156038

Ion Ratio Lower Upper

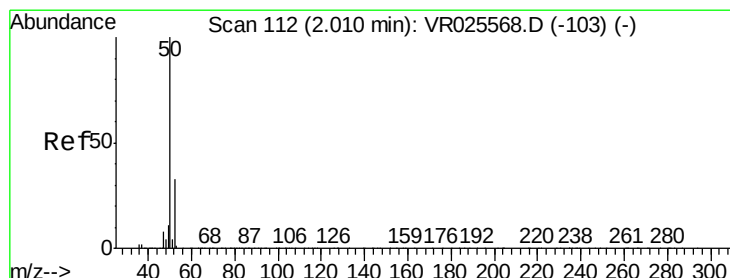
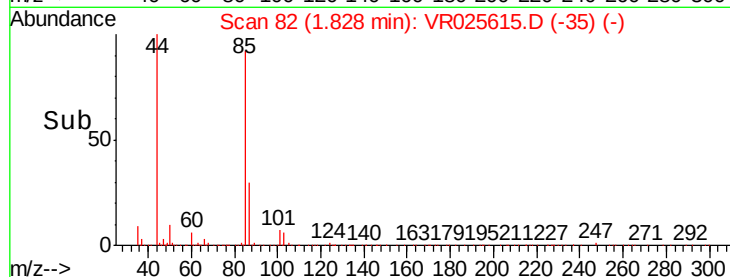
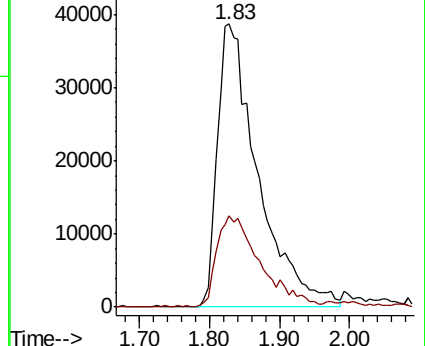
85 100

87 34.5 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 5.537 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.01 min

Lab File: VR025615.D

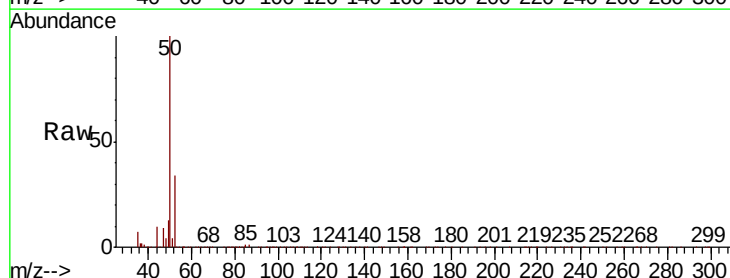
Acq: 9 Aug 2018 20:30

Tgt Ion: 50 Resp: 227121

Ion Ratio Lower Upper

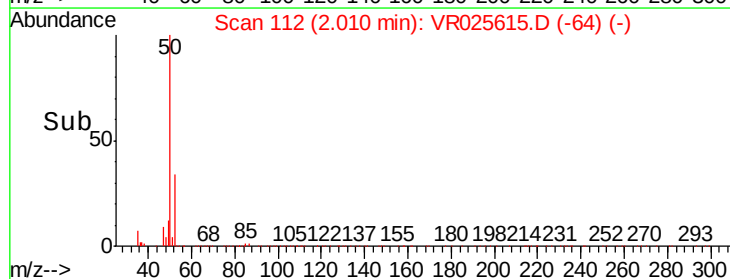
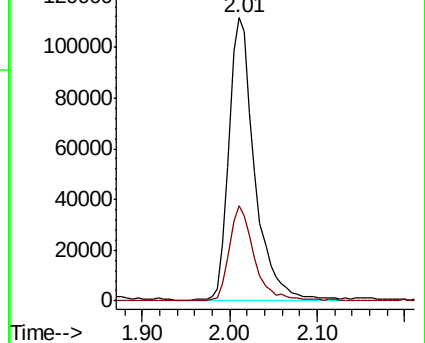
50 100

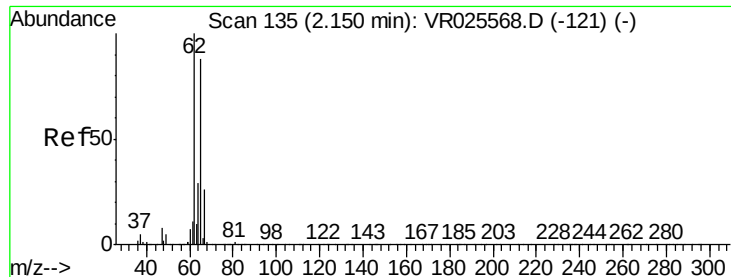
52 33.7 24.4 45.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.954 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

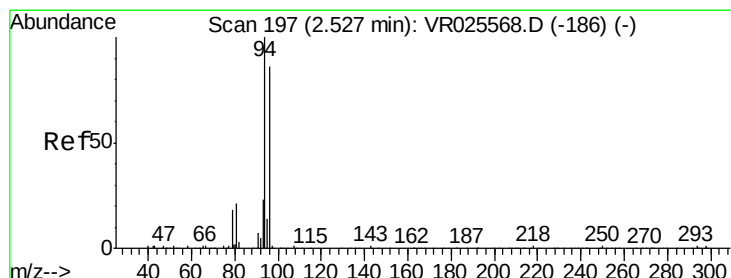
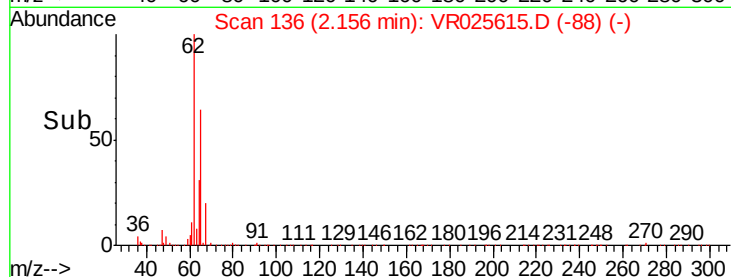
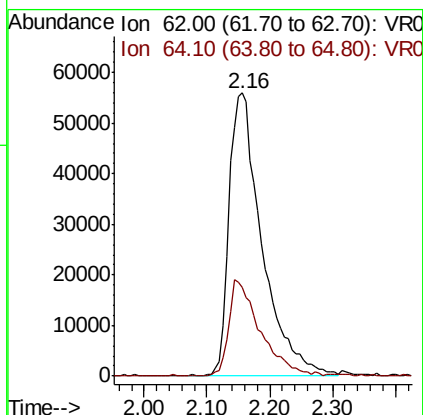
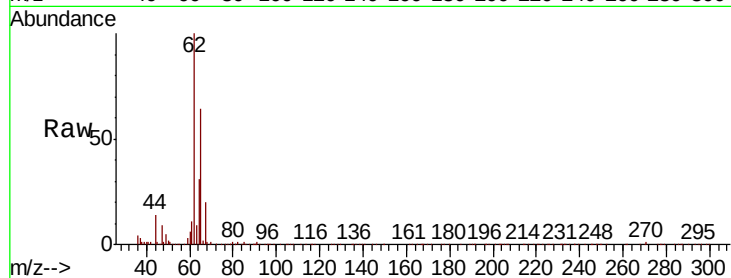
VSTD00597

Tgt Ion: 62 Resp: 203031

Ion Ratio Lower Upper

62 100

64 31.2 24.1 44.8



#6

Bromomethane

Concen: 2.762 ug/L

RT: 2.53 min Scan# 198

Delta R.T. 0.00 min

Lab File: VR025615.D

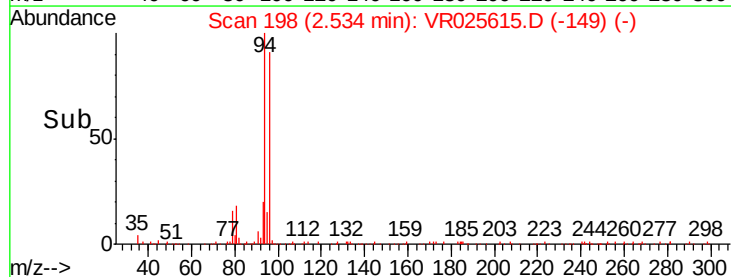
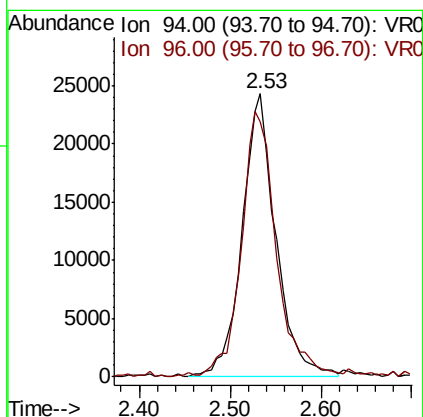
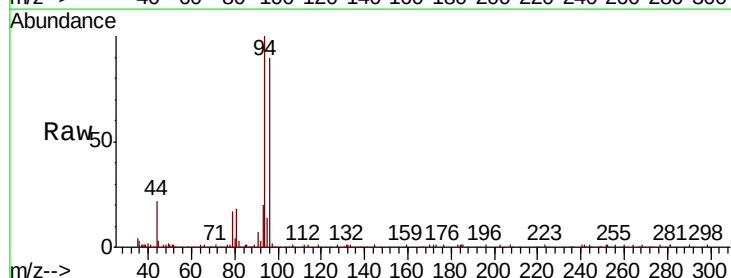
Acq: 9 Aug 2018 20:30

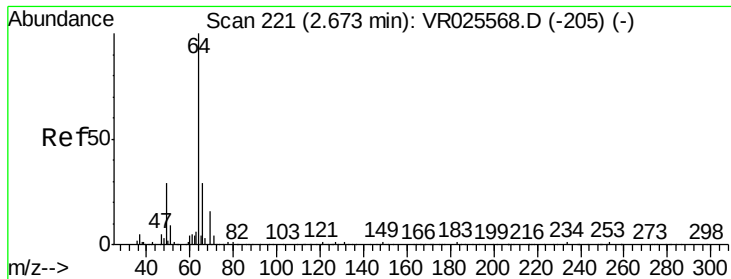
Tgt Ion: 94 Resp: 62252

Ion Ratio Lower Upper

94 100

96 90.1 72.0 133.6

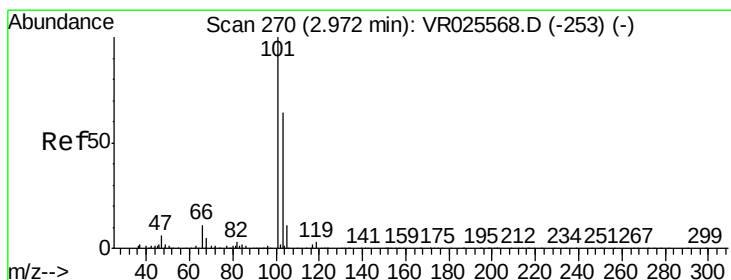
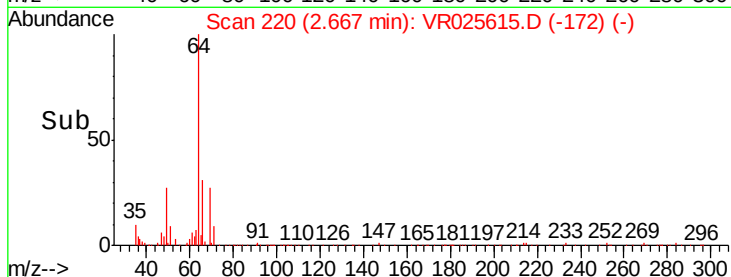
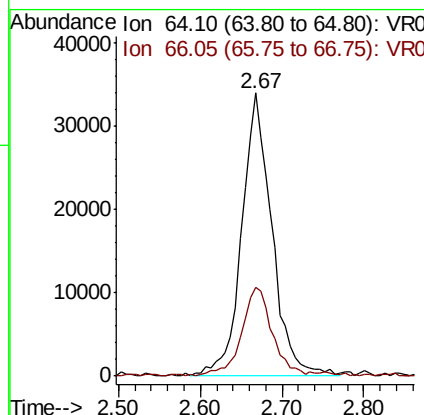
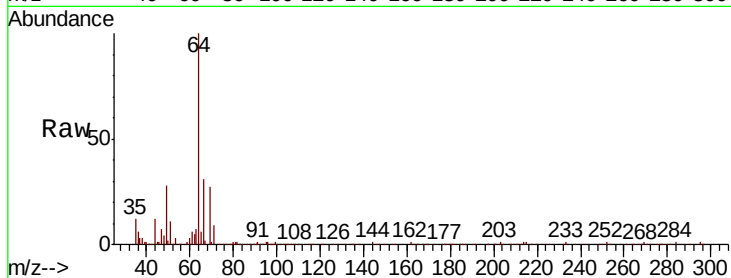




#8
Chloroethane
Concen: 3.833 ug/L
RT: 2.67 min Scan# 220
Delta R.T. -0.01 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

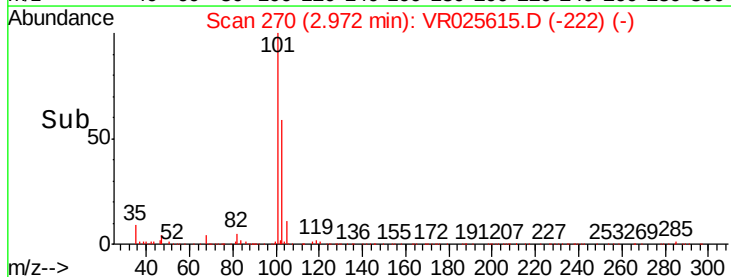
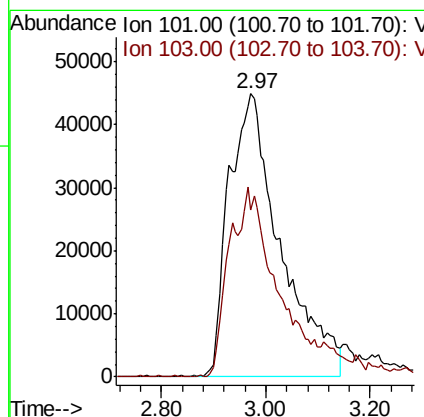
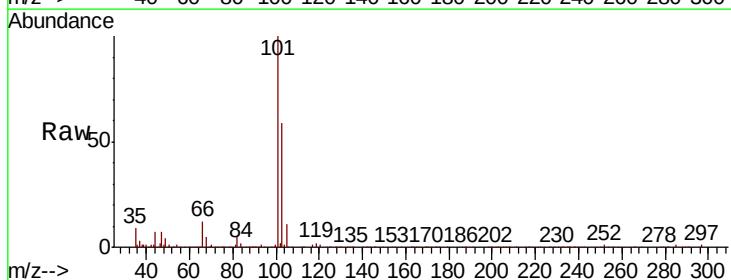
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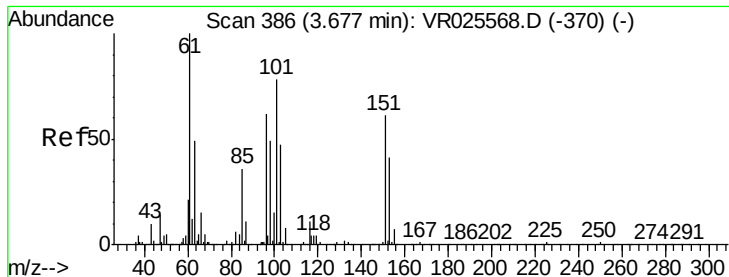
Tgt Ion: 64 Resp: 87242
Ion Ratio Lower Upper
64 100
66 31.4 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.516 ug/L
RT: 2.97 min Scan# 270
Delta R.T. -0.01 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion: 101 Resp: 308808
Ion Ratio Lower Upper
101 100
103 33.3 19.8 29.6#





#10

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

Concen: 5.113 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.01 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

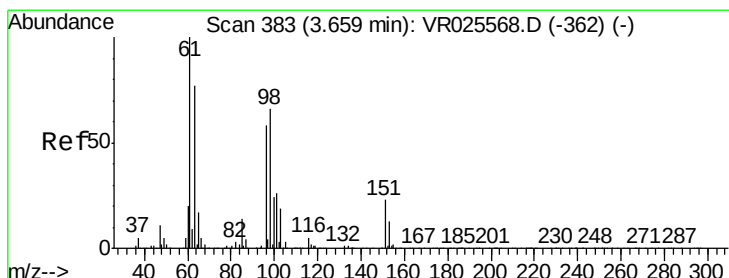
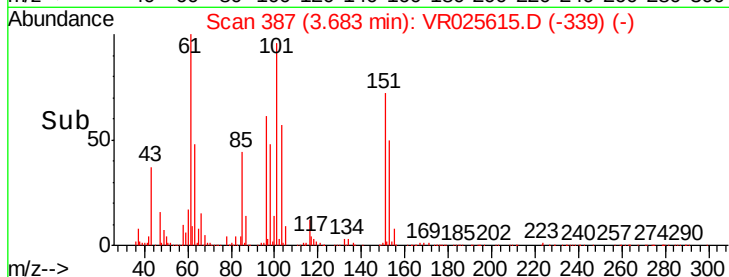
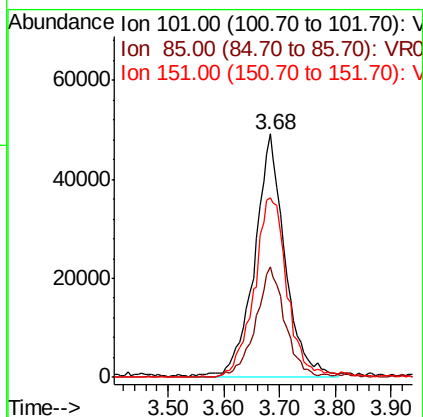
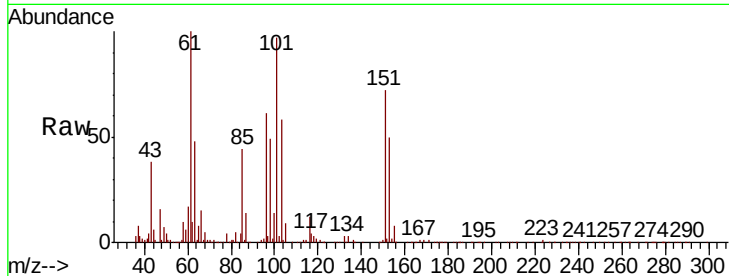
Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion:	101	Resp:	184962
Ion	Ratio	Lower	Upper
101	100		
85	44.5	37.4	56.0
151	80.7	61.9	92.9



#12

1,1-Dichloroethene

Concen: 5.238 ug/L

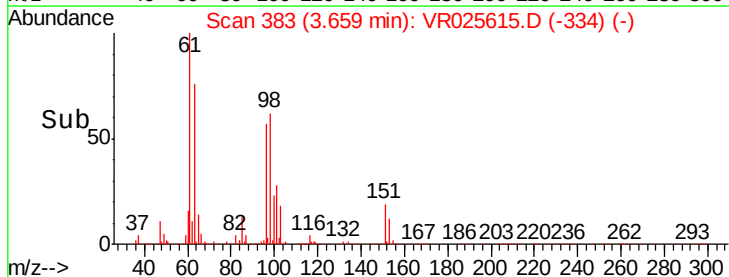
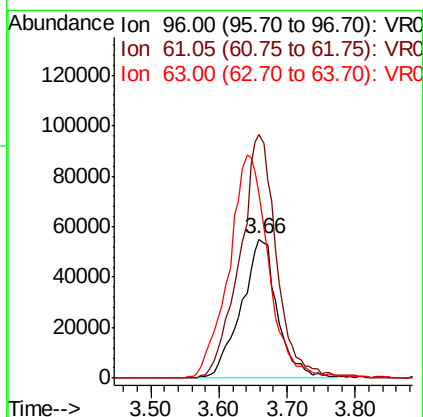
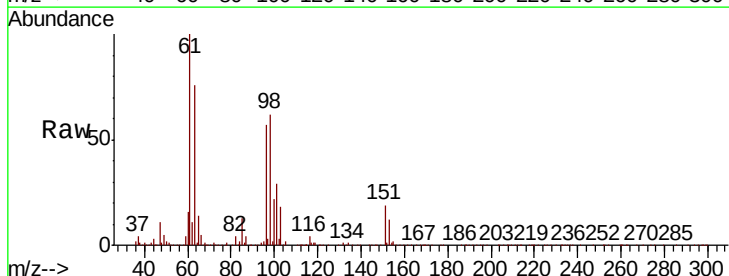
RT: 3.66 min Scan# 383

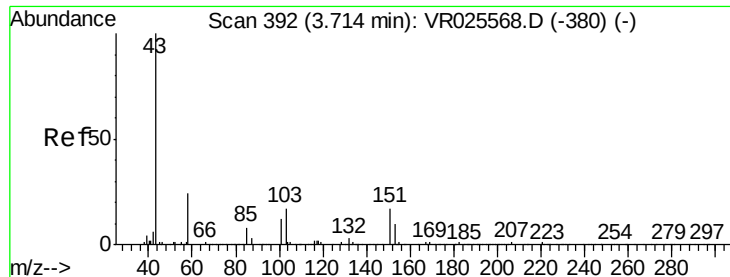
Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Tgt Ion:	96	Resp:	202930
Ion	Ratio	Lower	Upper
96	100		
61	175.4	124.3	230.8
63	132.7	108.1	200.7





#13

Acetone

Concen: 74.809 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.01 min

Lab File: VR025615.D

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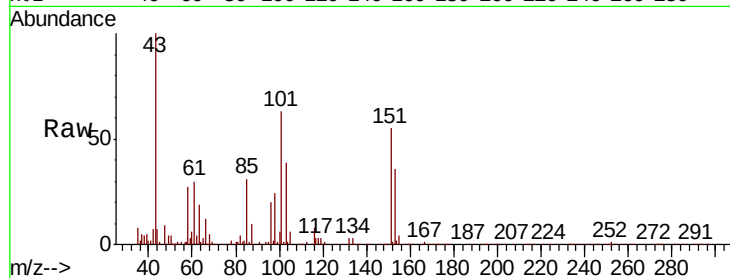
VSTD00597

Tgt Ion: 43 Resp: 174679

Ion Ratio Lower Upper

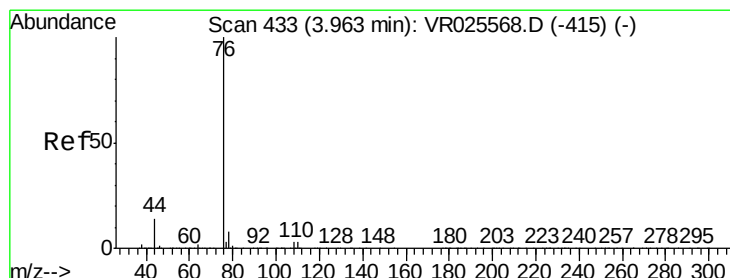
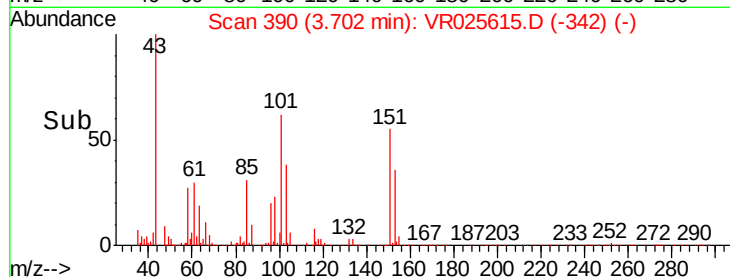
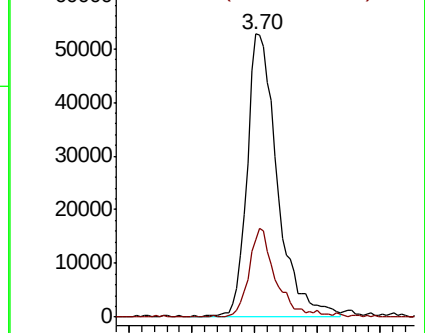
43 100

58 27.1 0.0 53.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.489 ug/L

RT: 3.97 min Scan# 434

Delta R.T. 0.01 min

Lab File: VR025615.D

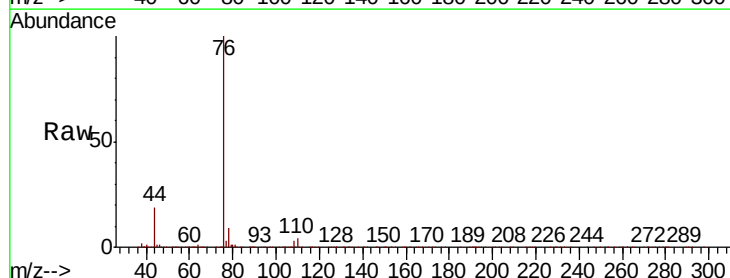
Acq: 9 Aug 2018 20:30

Tgt Ion: 76 Resp: 402860

Ion Ratio Lower Upper

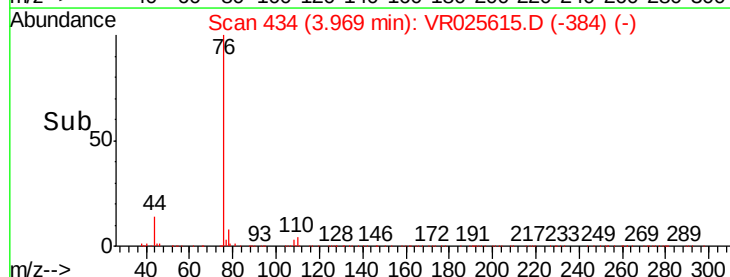
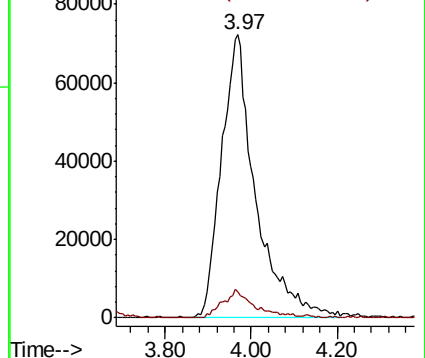
76 100

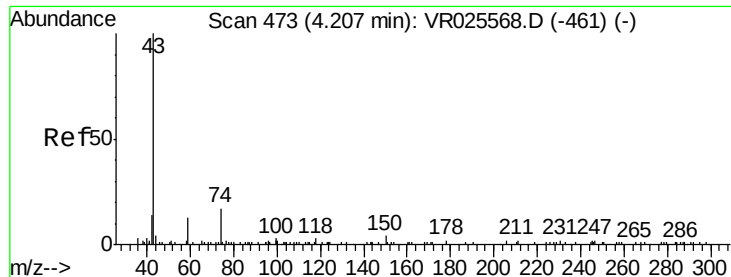
78 9.2 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 5.628 ug/L

RT: 4.20 min Scan# 472

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

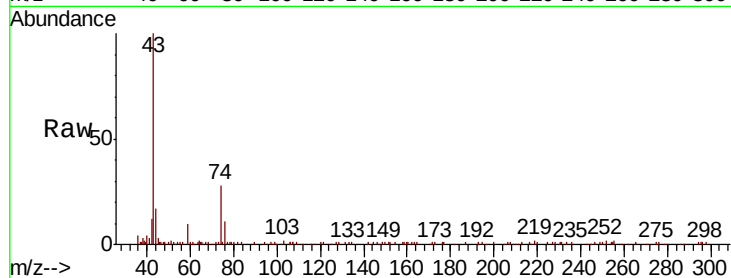
VSTD00597

Tgt Ion: 43 Resp: 41492

Ion Ratio Lower Upper

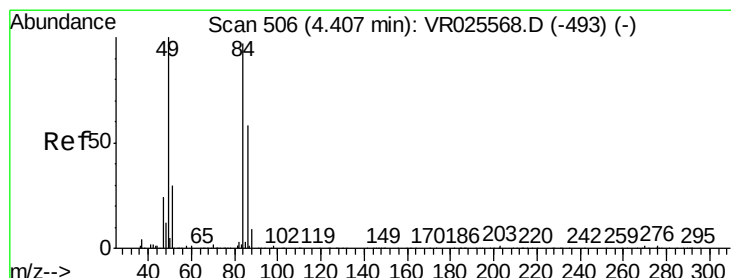
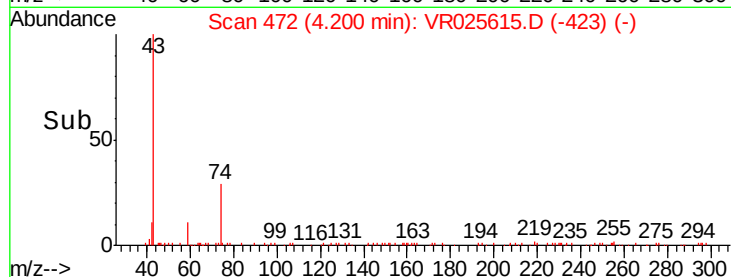
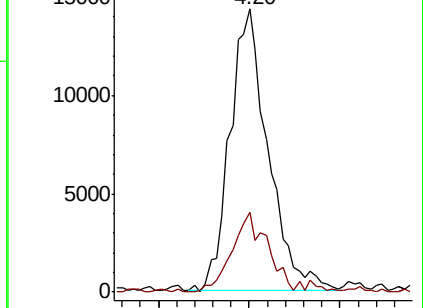
43 100

74 26.3 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 3.708 ug/L

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

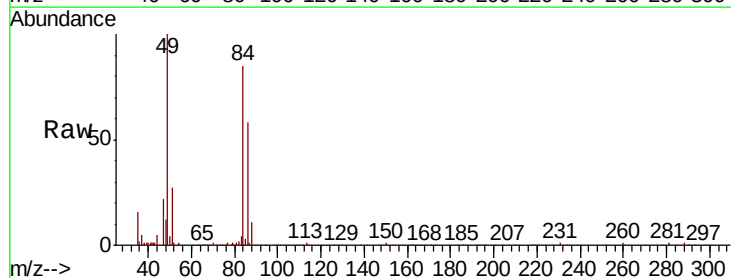
Tgt Ion: 84 Resp: 121310

Ion Ratio Lower Upper

84 100

86 67.7 40.4 75.0

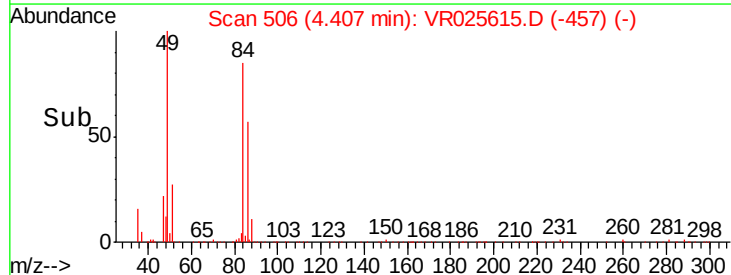
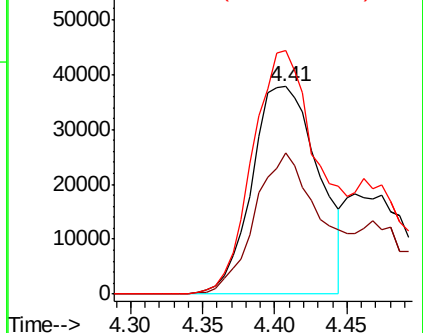
49 117.2 76.2 141.4

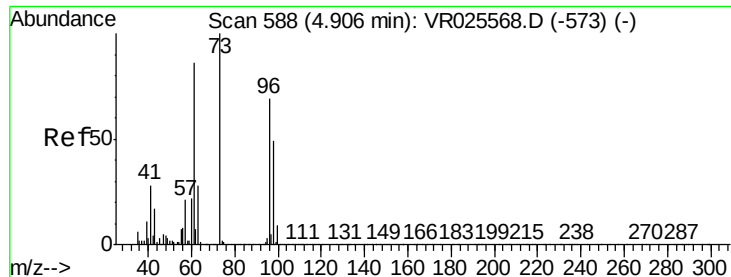


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0





#17

Methyl tert-butyl Ether

Concen: 5.509 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

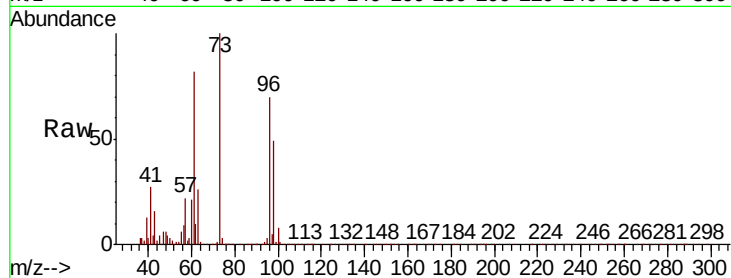
Tgt Ion: 73 Resp: 214235

Ion Ratio Lower Upper

73 100

43 17.7 14.2 21.4

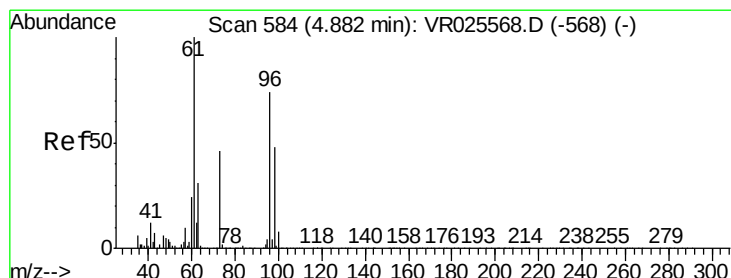
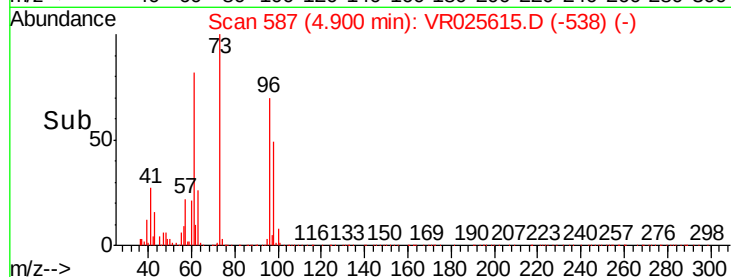
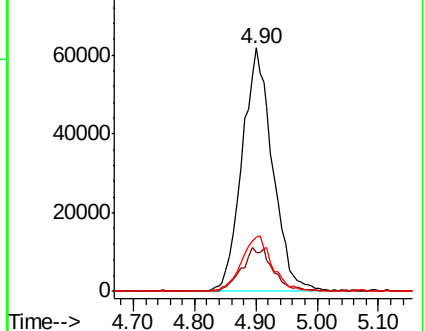
57 22.8 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 5.164 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

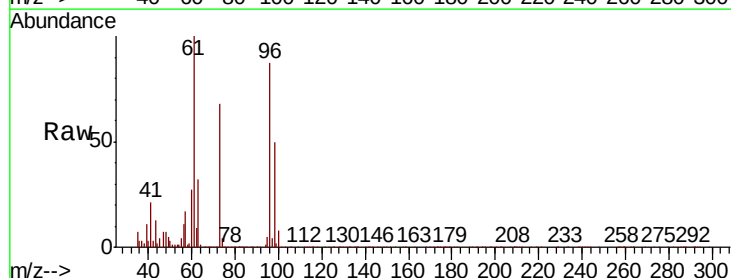
Tgt Ion: 96 Resp: 191615

Ion Ratio Lower Upper

96 100

61 114.4 85.5 158.9

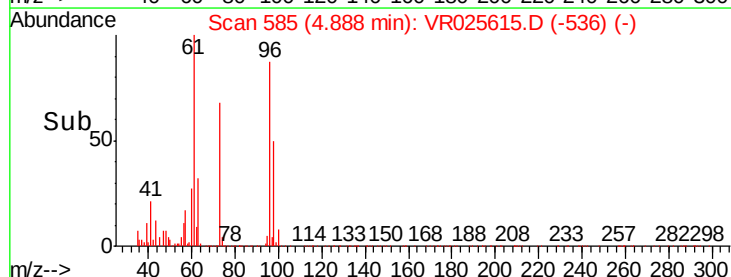
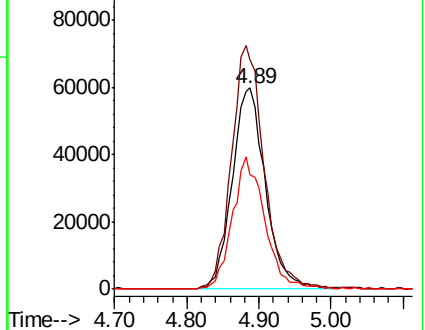
98 56.8 42.1 78.1

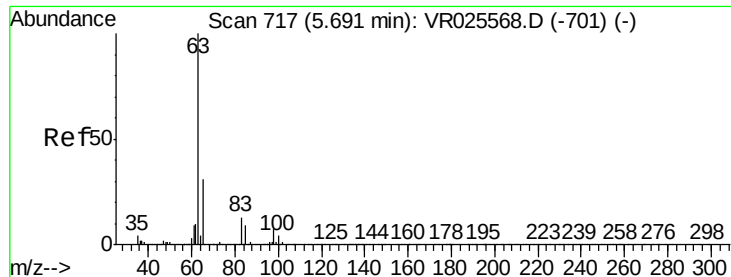


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

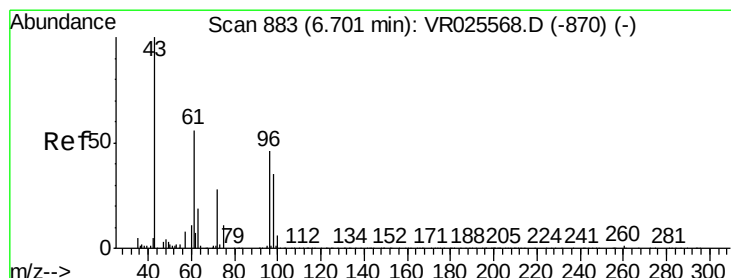
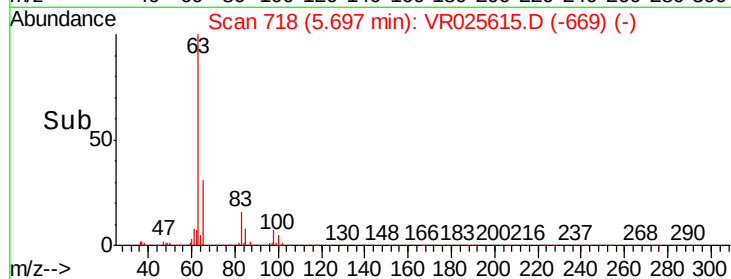
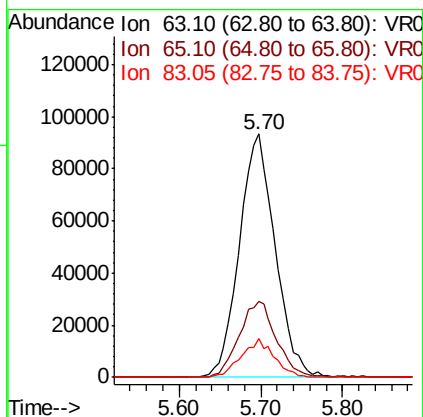
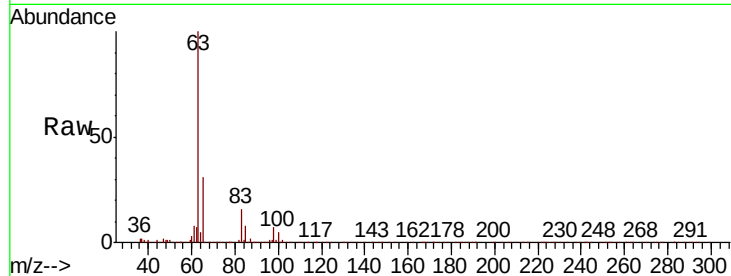




#19
 1,1-Dichloroethane
 Concen: 5.228 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

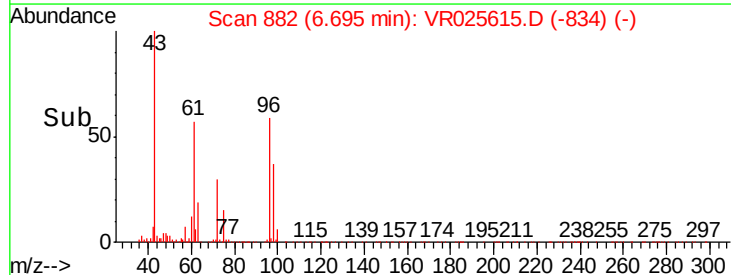
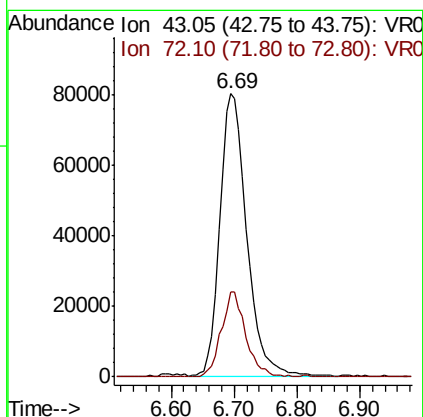
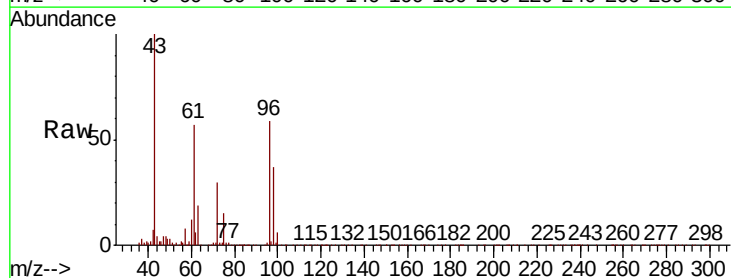
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

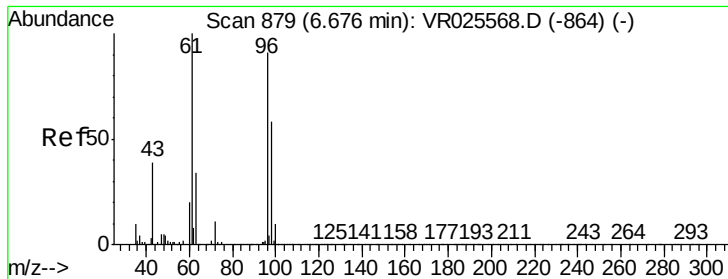
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	23.5	43.7
83	15.8	9.1	16.9



#21
 2-Butanone
 Concen: 72.843 ug/L
 RT: 6.69 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.7	13.2	39.6



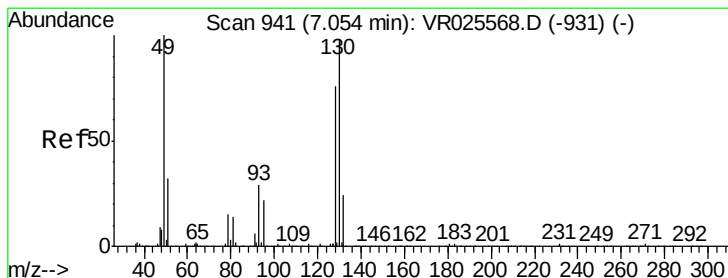
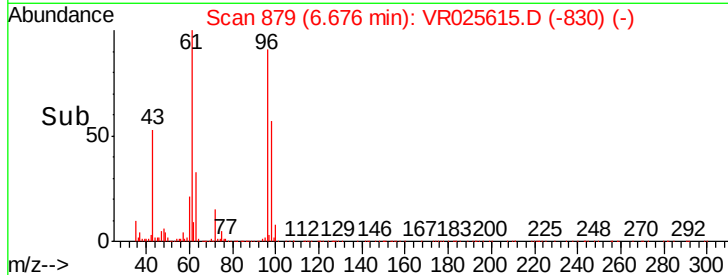
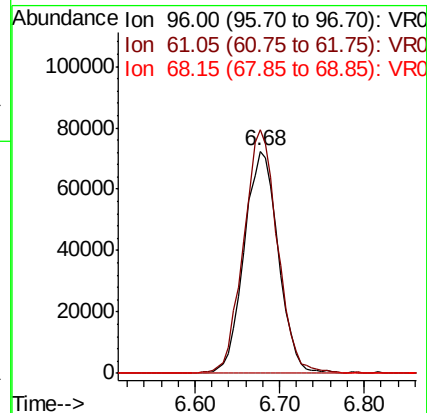
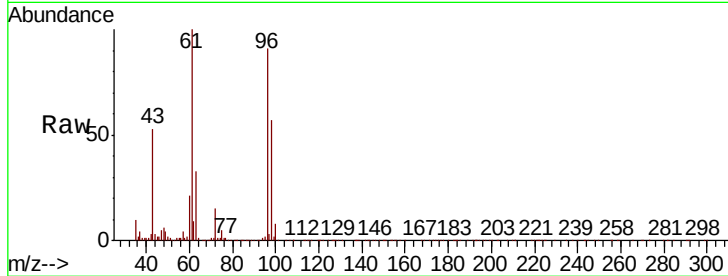


#22

cis-1,2-Dichloroethene
Concen: 5.860 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

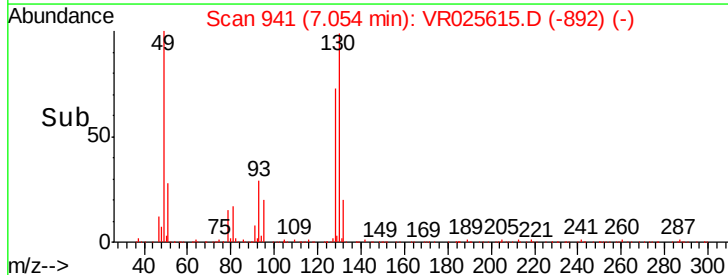
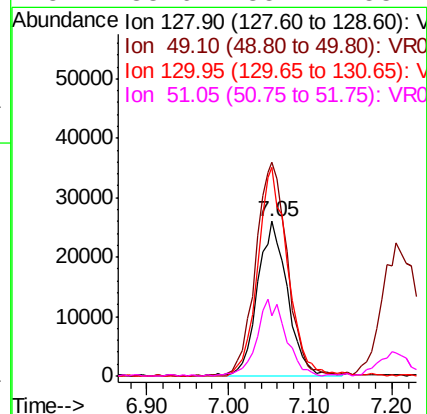
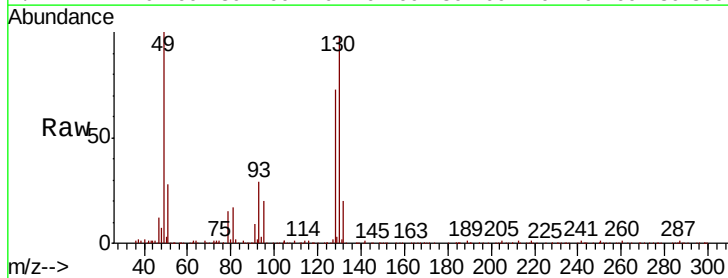
Tgt Ion: 96 Resp: 198589
Ion Ratio Lower Upper
96 100
61 109.7 77.7 144.3
68 0.4 0.0 0.0#

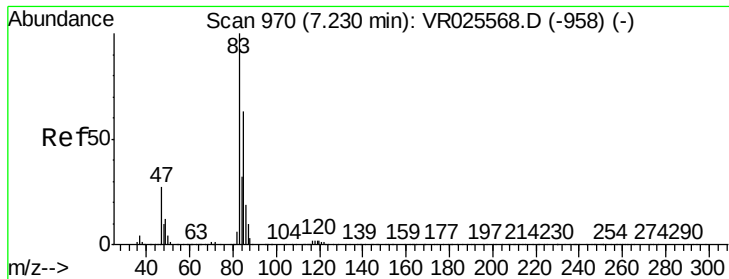


#23

Bromochloromethane
Concen: 5.958 ug/L
RT: 7.05 min Scan# 941
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion: 128 Resp: 66989
Ion Ratio Lower Upper
128 100
49 137.9 103.3 191.9
130 134.9 84.9 157.7
51 38.6 35.4 53.2





#25

Chloroform

Concen: 5.522 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.01 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

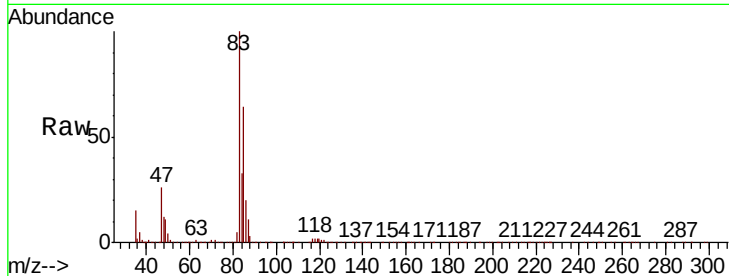
VSTD00597

Tgt Ion: 83 Resp: 296826

Ion Ratio Lower Upper

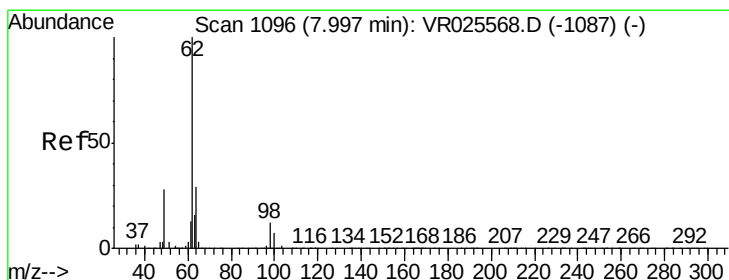
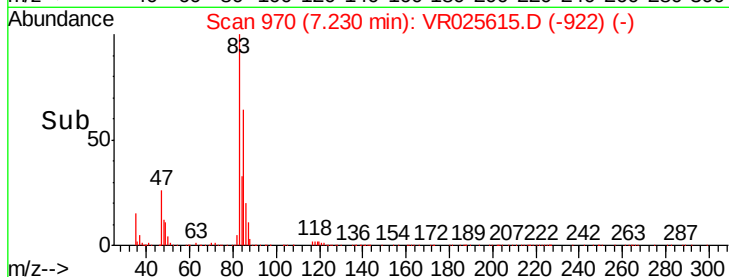
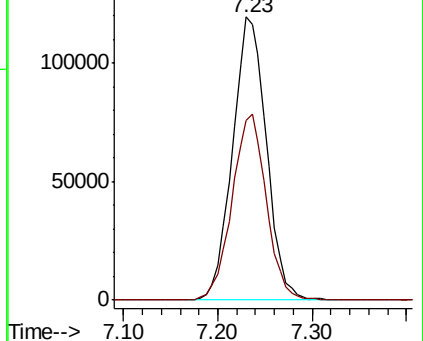
83 100

85 63.5 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.250 ug/L

RT: 7.91 min Scan# 1082

Delta R.T. -0.09 min

Lab File: VR025615.D

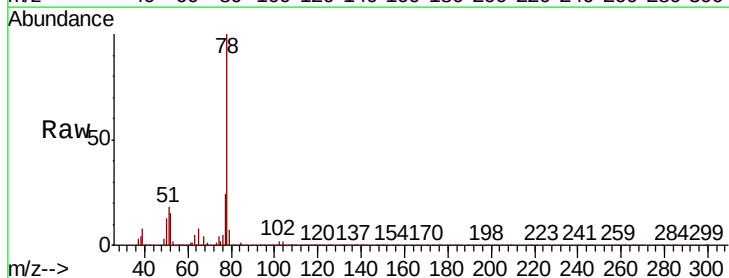
Acq: 9 Aug 2018 20:30

Tgt Ion: 62 Resp: 5361

Ion Ratio Lower Upper

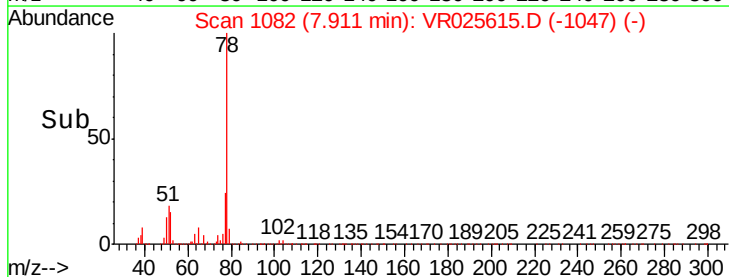
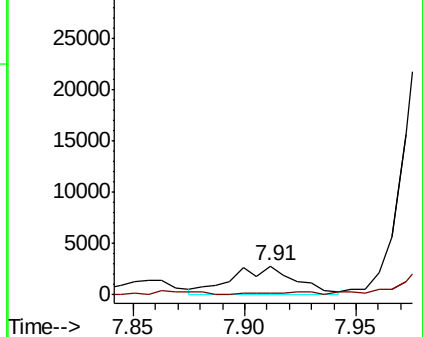
62 100

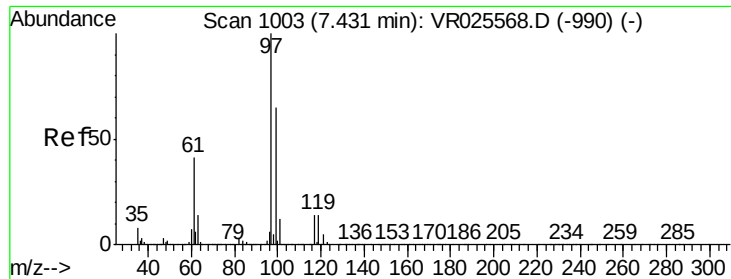
98 6.9 6.6 9.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

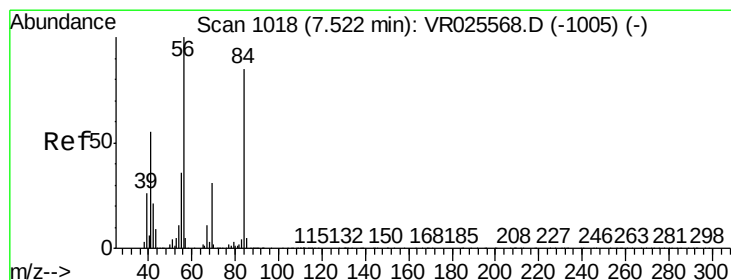
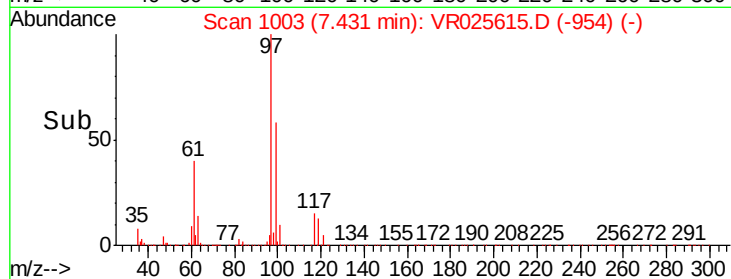
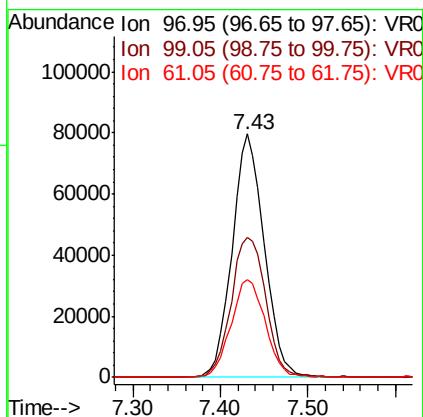
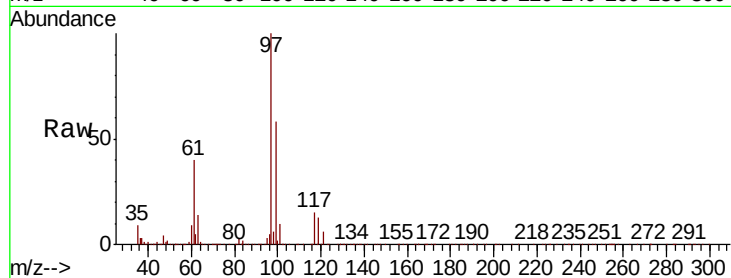




#29
 1,1,1-Trichloroethane
 Concen: 4.668 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

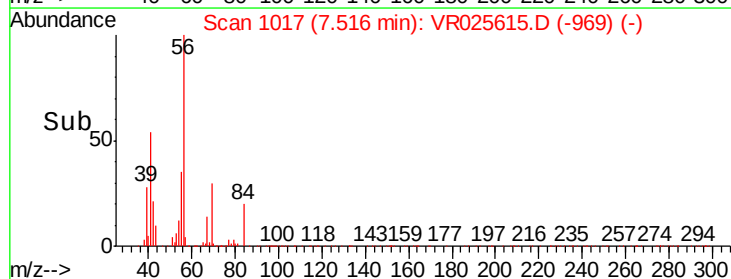
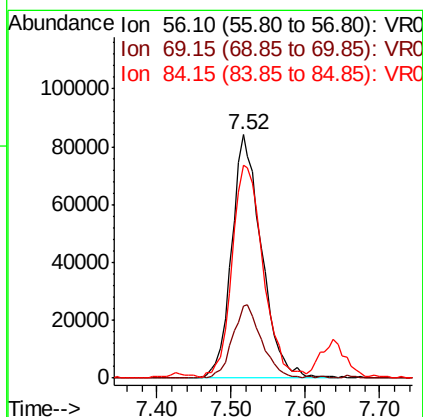
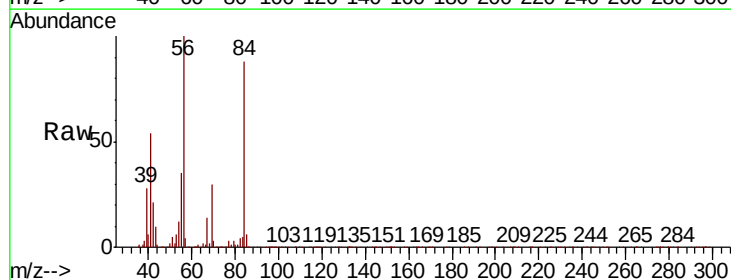
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

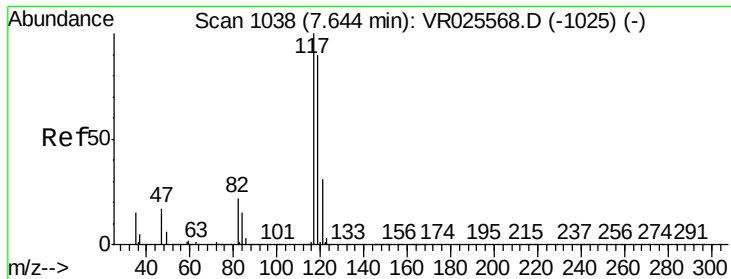
Tgt Ion: 97 Resp: 202250
 Ion Ratio Lower Upper
 97 100
 99 62.3 52.1 78.1
 61 42.5 35.3 52.9



#30
 Cyclohexane
 Concen: 4.734 ug/L
 RT: 7.52 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion: 56 Resp: 236227
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.6 36.8
 84 90.7 71.3 106.9

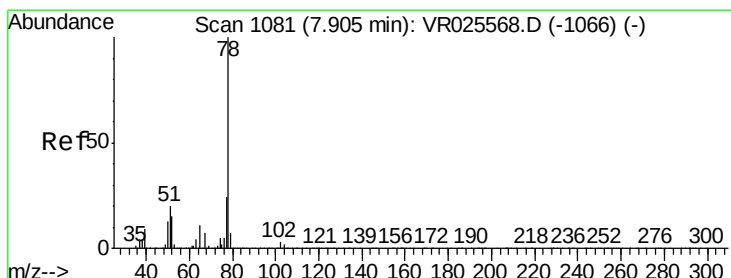
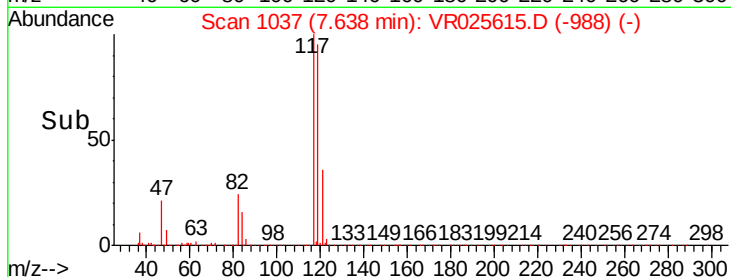
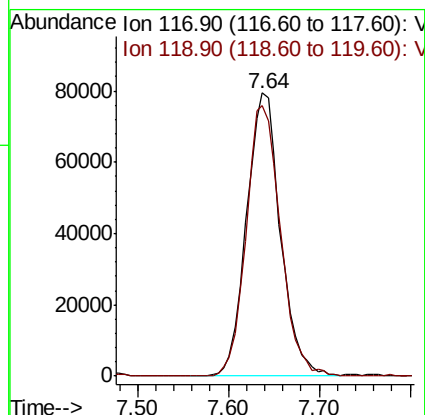
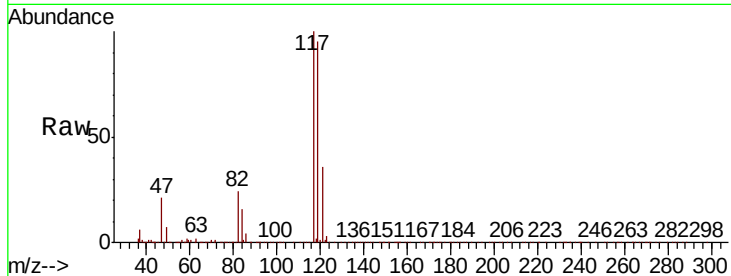




#31
Carbon tetrachloride
Concen: 4.580 ug/L
RT: 7.64 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

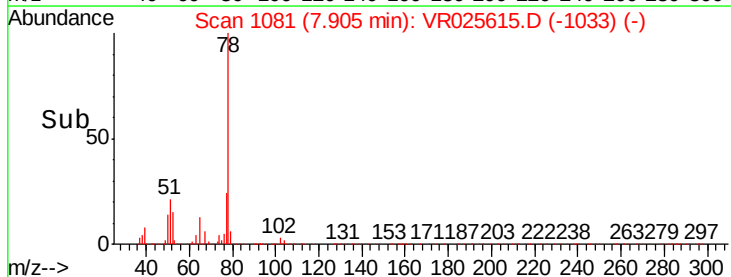
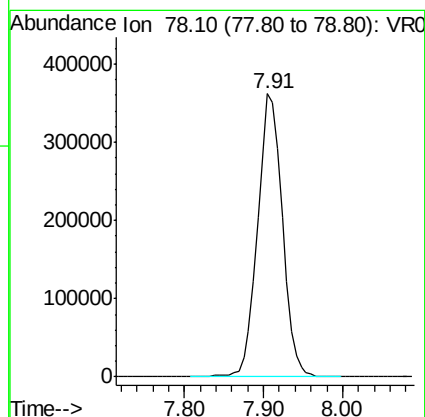
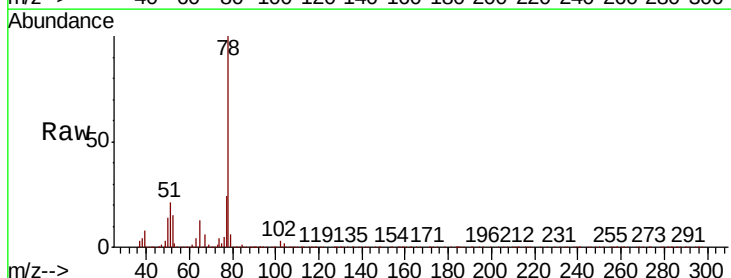
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

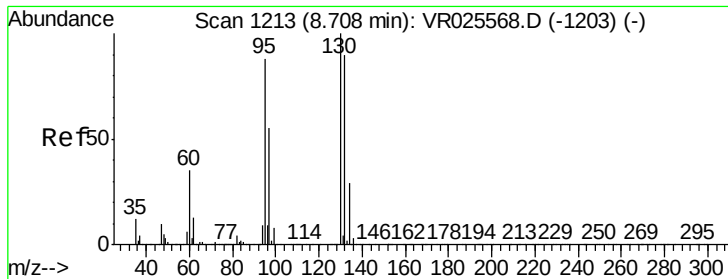
Tgt Ion:117 Resp: 204765
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.2



#33
Benzene
Concen: 5.238 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion: 78 Resp: 791474





#34

Trichloroethene

Concen: 4.755 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion: 95 Resp: 178720

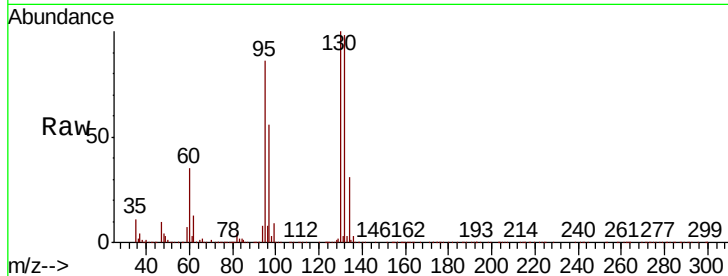
Ion Ratio Lower Upper

95 100

97 65.3 46.7 86.7

132 114.4 71.7 133.1

130 116.4 71.3 132.3

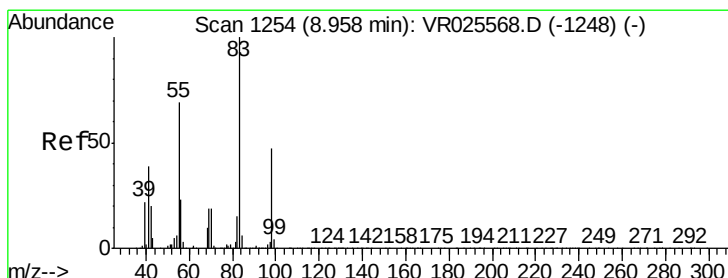
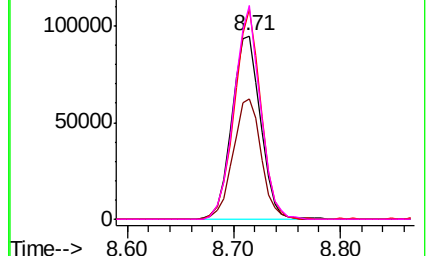
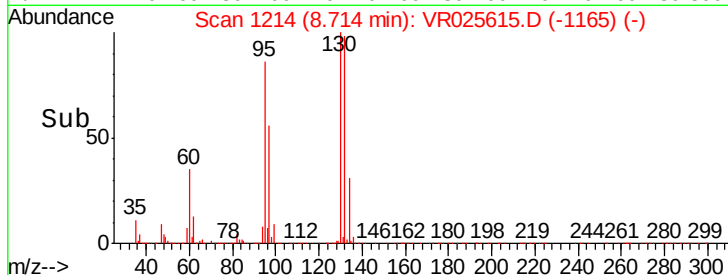


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.175 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

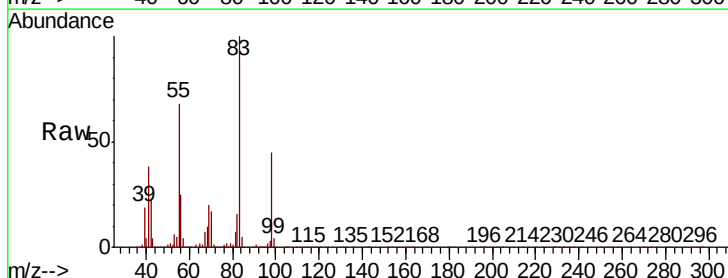
Tgt Ion: 83 Resp: 292476

Ion Ratio Lower Upper

83 100

55 70.7 58.3 87.5

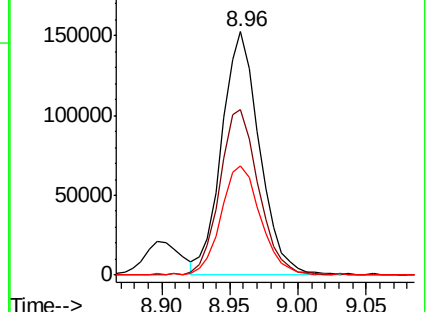
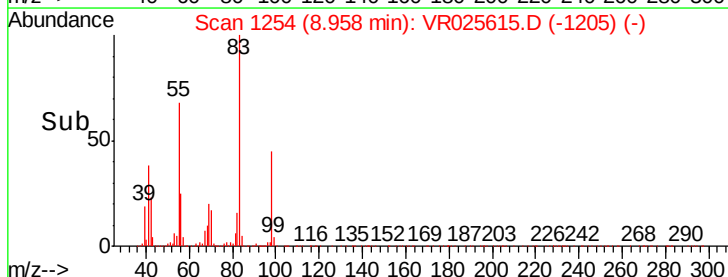
98 47.4 37.8 56.6

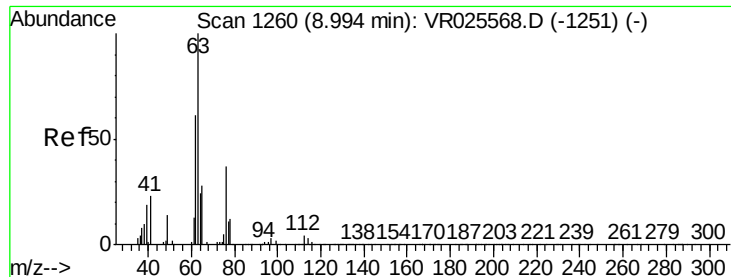


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

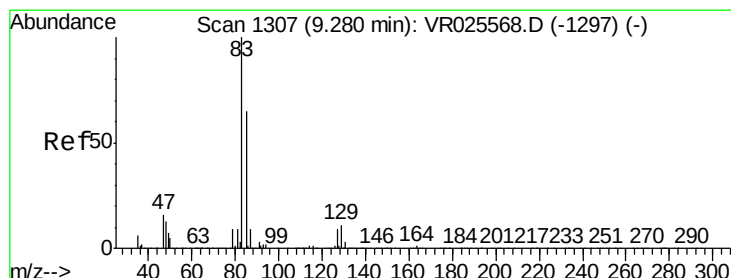
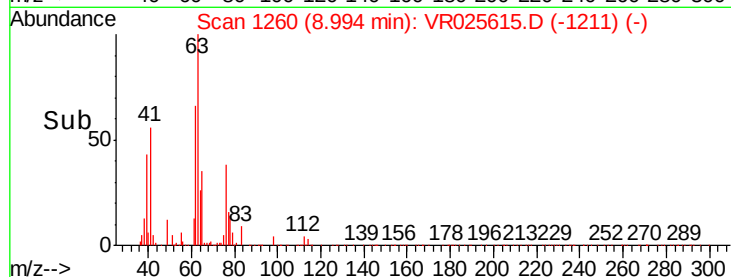
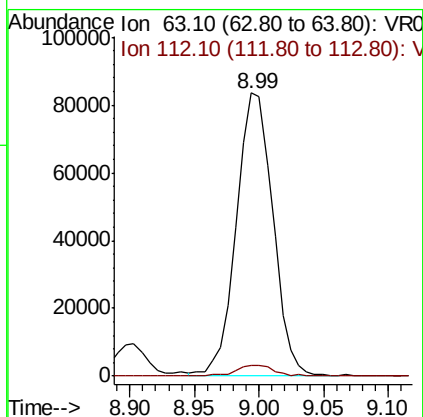
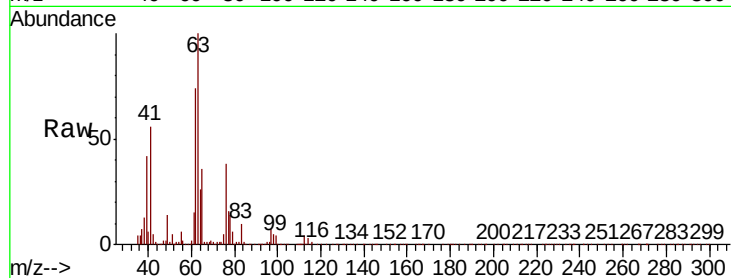




#37
 1,2-Dichloropropane
 Concen: 5.138 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

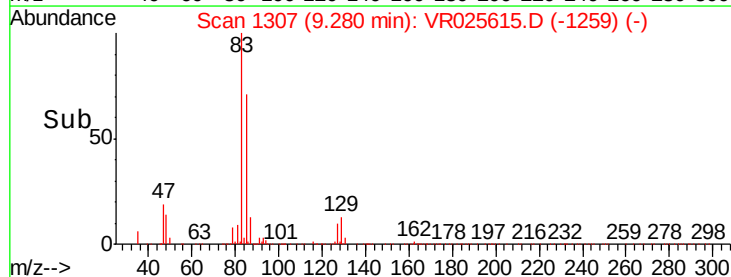
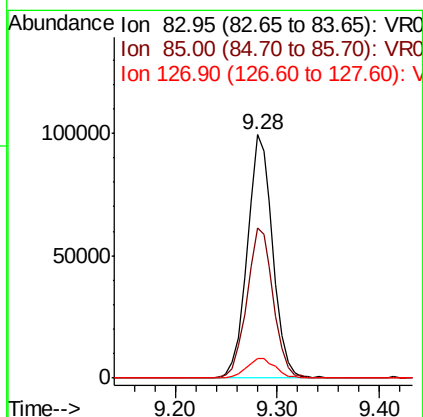
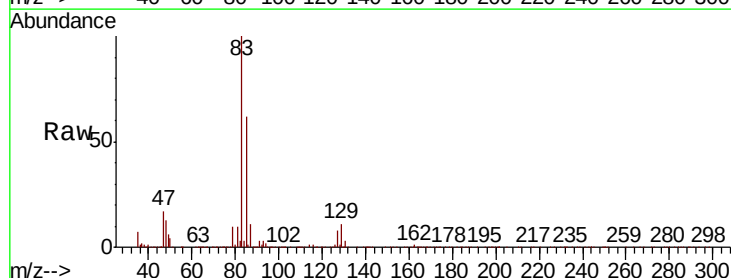
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

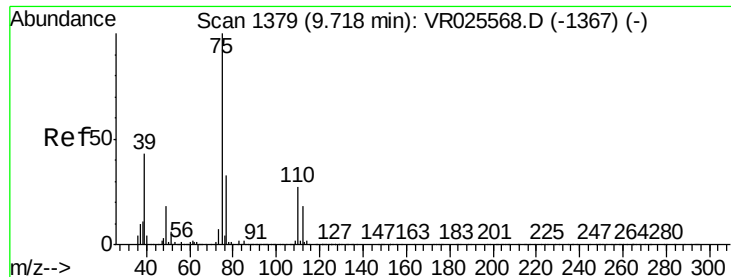
Tgt Ion: 63 Resp: 163432
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.287 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion: 83 Resp: 171795
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.0 81.6
 127 8.3 6.7 10.1

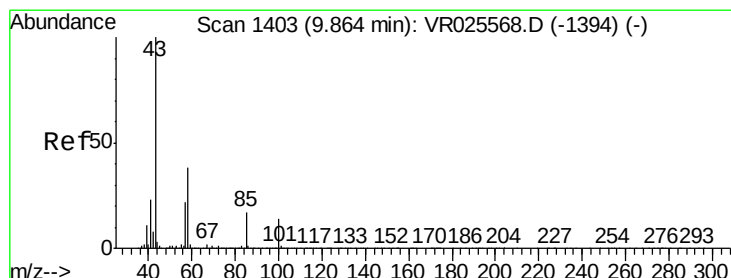
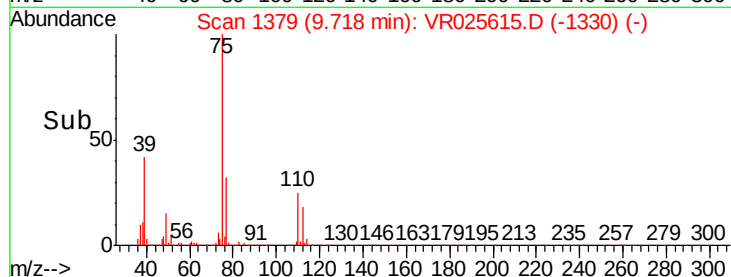
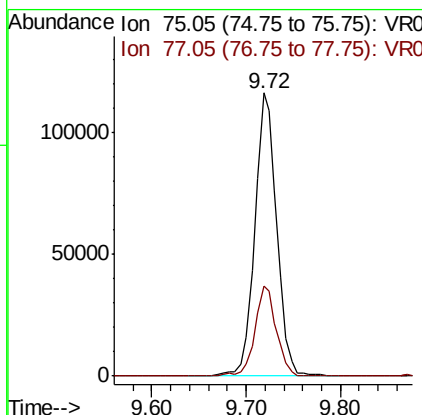
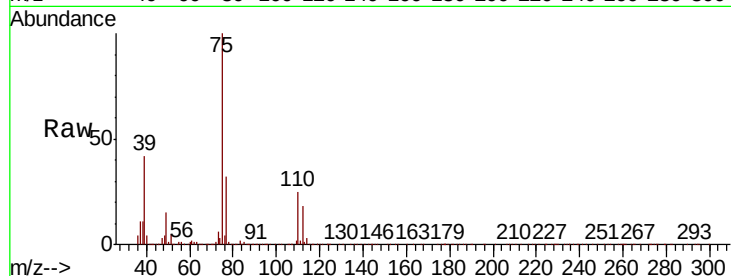




#39
 cis-1,3-Dichloropropene
 Concen: 5.415 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

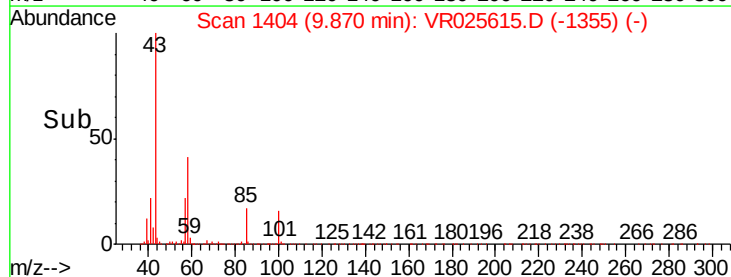
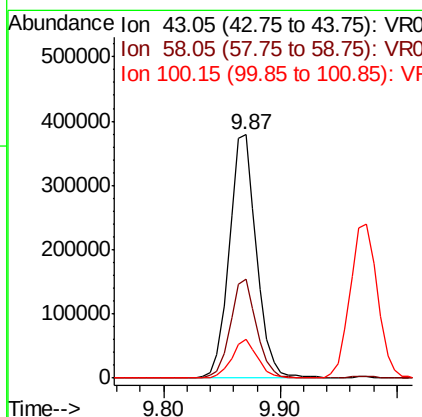
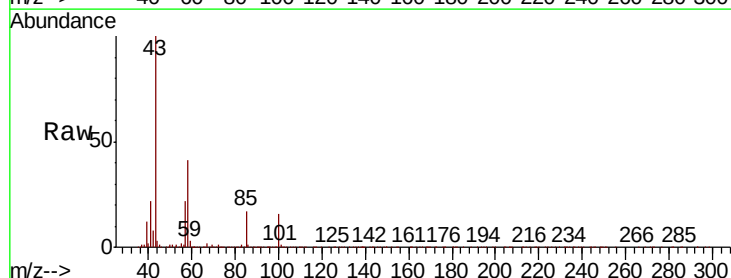
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

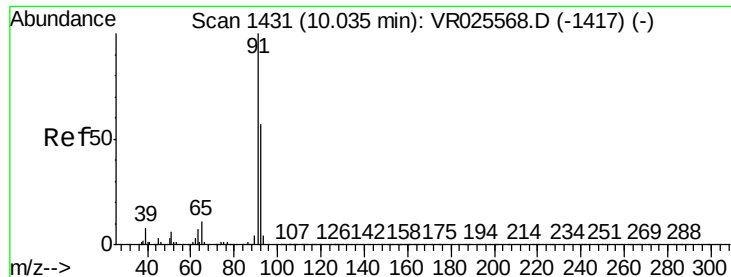
Tgt Ion: 75 Resp: 190188
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 68.432 ug/L
 RT: 9.87 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion: 43 Resp: 613410
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.0 46.6
 100 15.1 11.9 17.9





#42

Toluene

Concen: 5.487 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

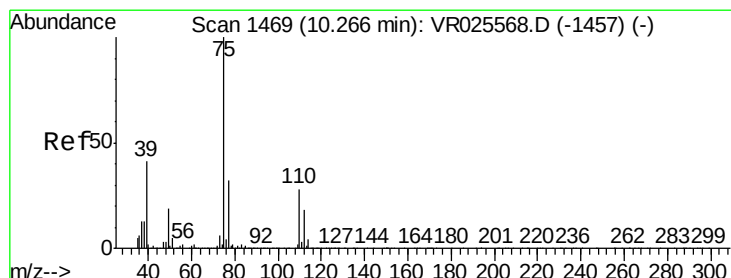
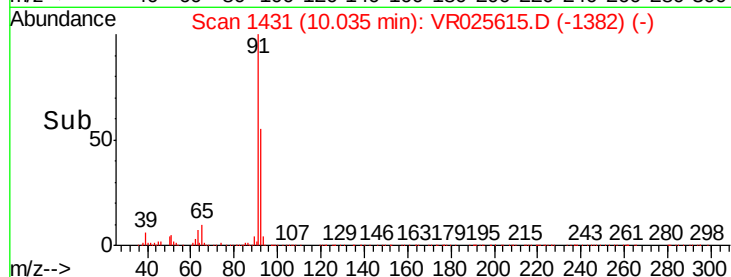
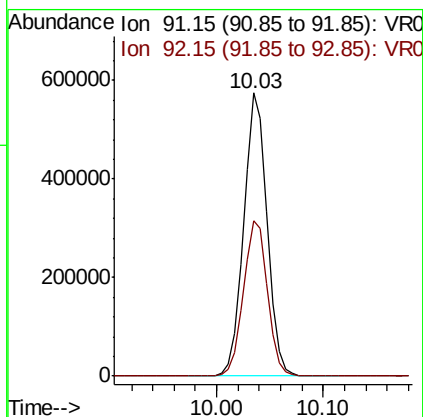
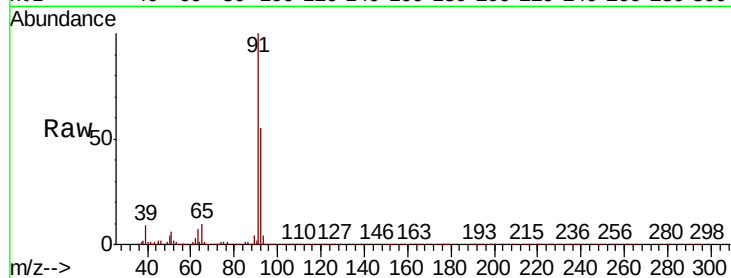
VSTD00597

Tgt Ion: 91 Resp: 883030

Ion Ratio Lower Upper

91 100

92 55.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.455 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VR025615.D

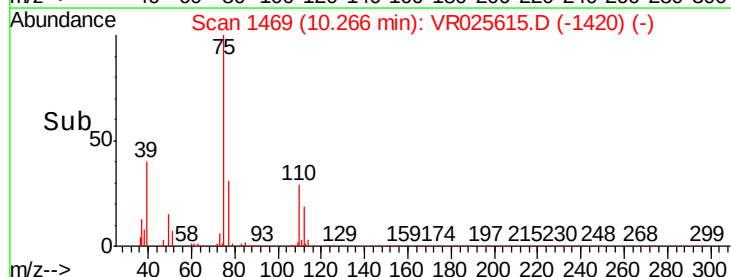
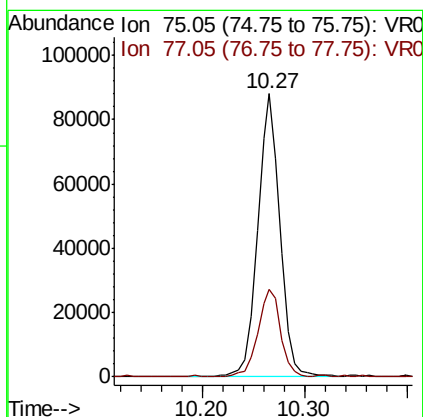
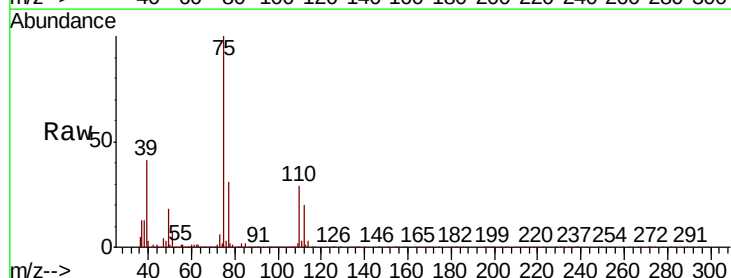
Acq: 9 Aug 2018 20:30

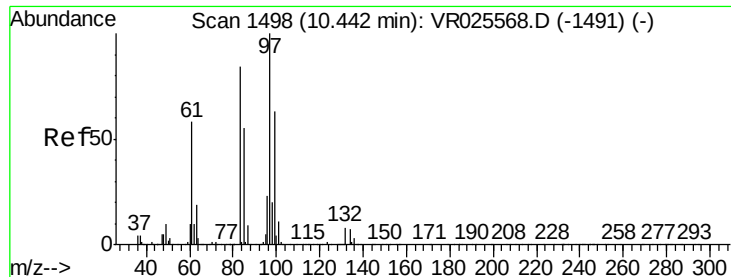
Tgt Ion: 75 Resp: 133766

Ion Ratio Lower Upper

75 100

77 31.1 22.8 42.4

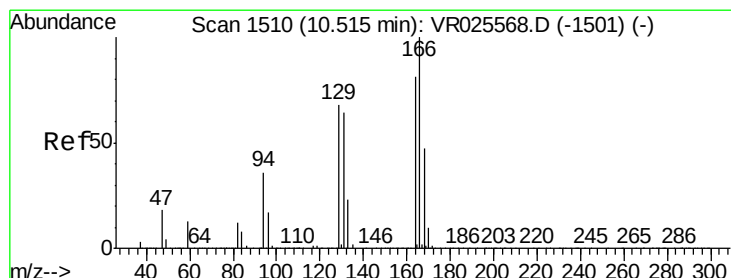
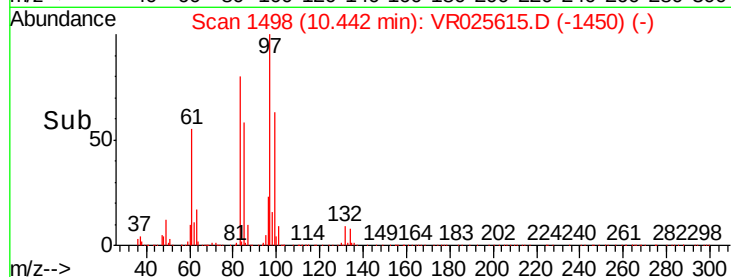
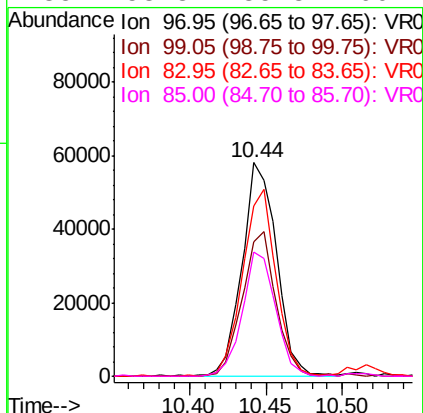
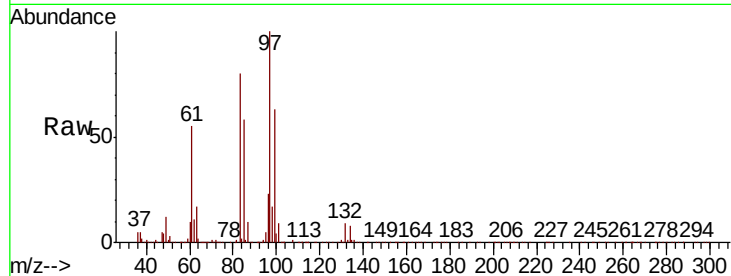




#45
 1,1,2-Trichloroethane
 Concen: 5.732 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

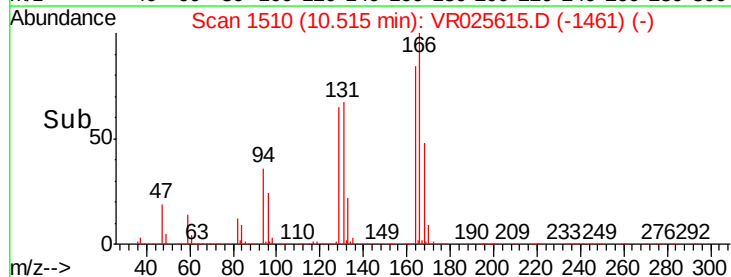
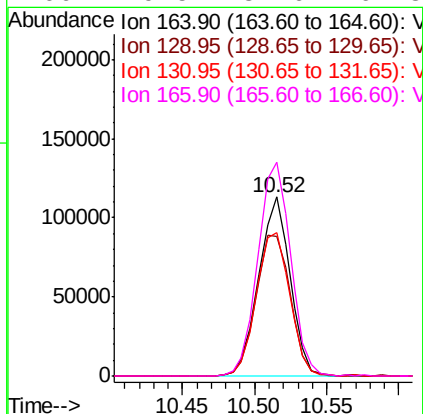
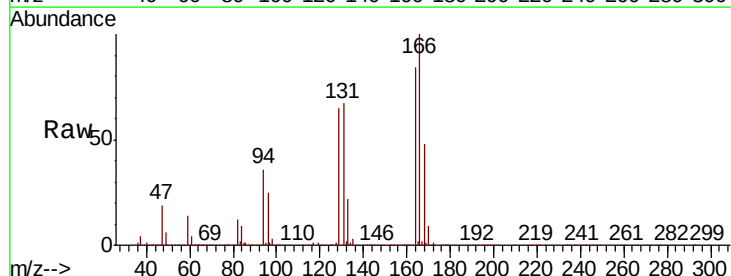
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

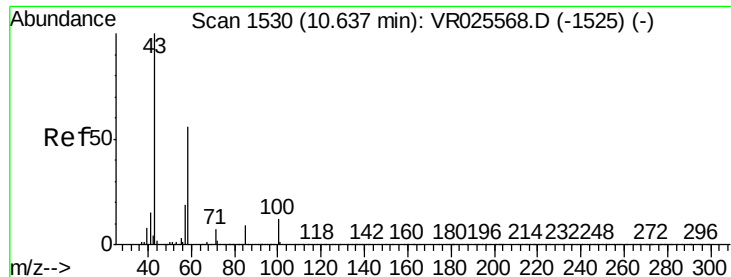
Tgt Ion:	97	Resp:	90801
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.4	80.6
83	79.7	57.3	106.5
85	58.3	35.8	66.4



#47
 Tetrachloroethene
 Concen: 5.278 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion:	164	Resp:	169712
Ion	Ratio	Lower	Upper
164	100		
129	78.2	63.0	117.0
131	80.2	60.6	112.6
166	119.5	87.6	162.8

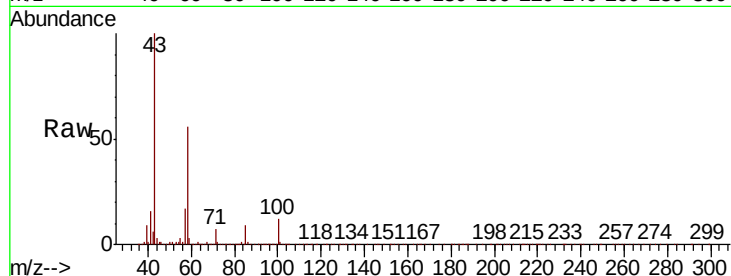




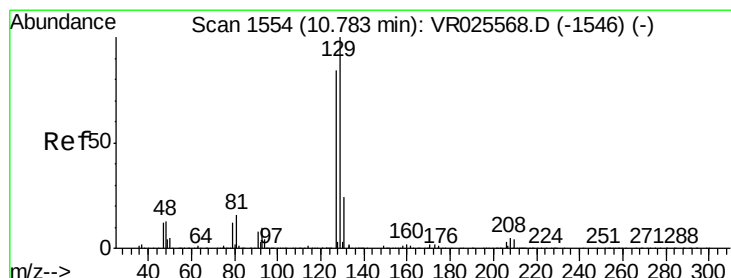
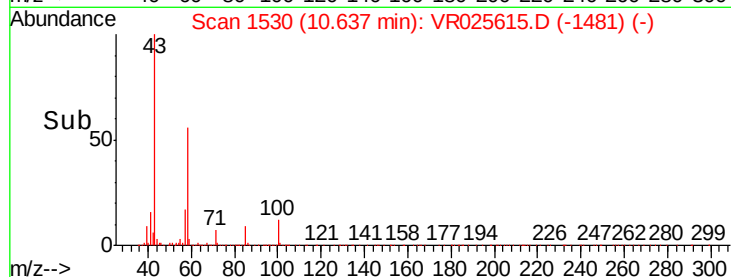
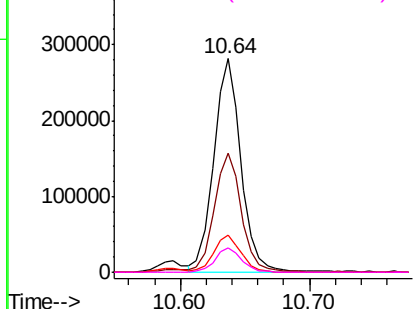
#48
2-Hexanone
Concen: 68.516 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Tgt Ion:	43	Resp:	414186
Ion	Ratio	Lower	Upper
43	100		
58	57.0	45.0	67.6
57	17.5	15.8	23.6
100	11.3	9.3	13.9

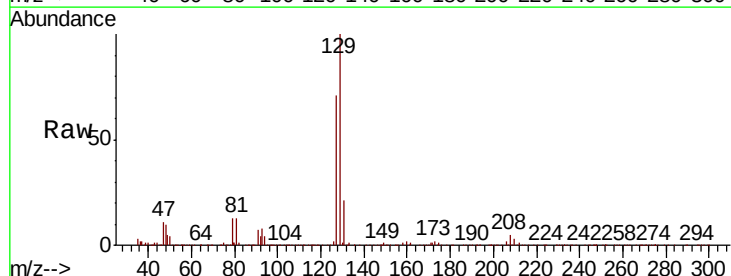


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

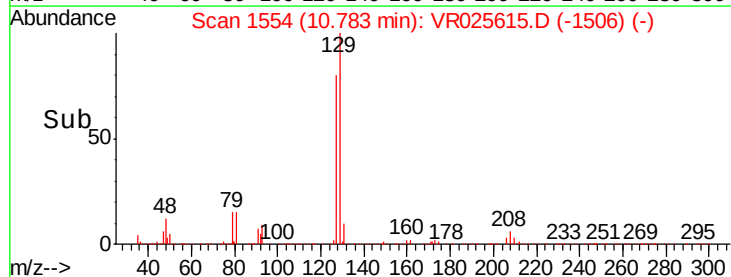
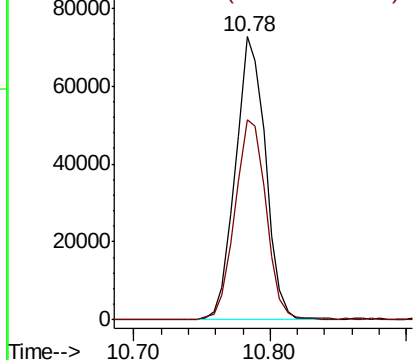


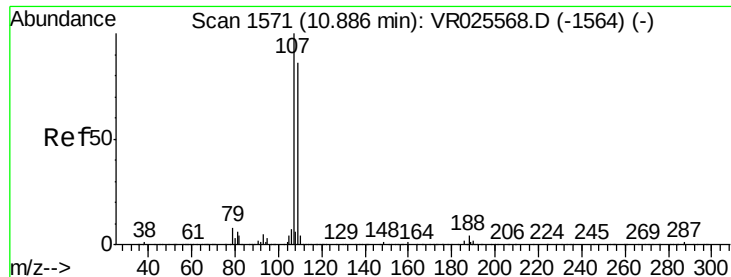
#49
Dibromochloromethane
Concen: 5.959 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion:	129	Resp:	111356
Ion	Ratio	Lower	Upper
129	100		
127	70.5	54.3	100.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

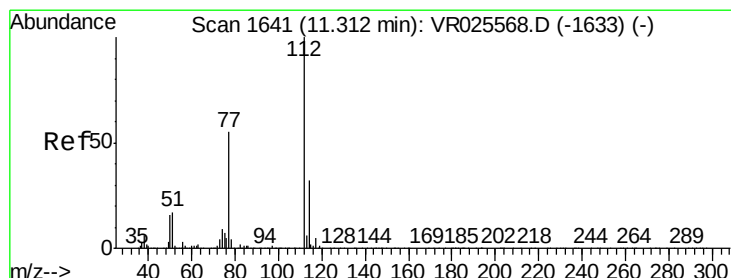
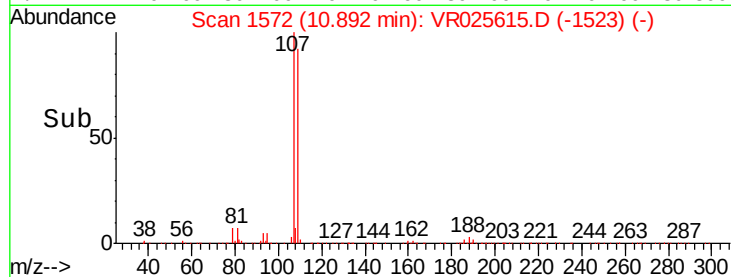
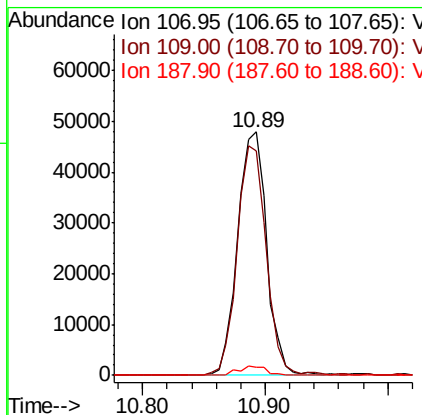
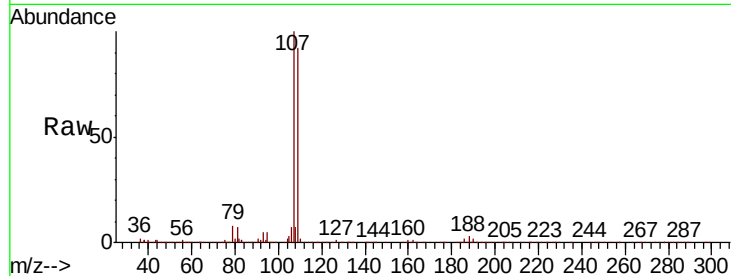




#50
1,2-Dibromoethane
Concen: 5.948 ug/L
RT: 10.89 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

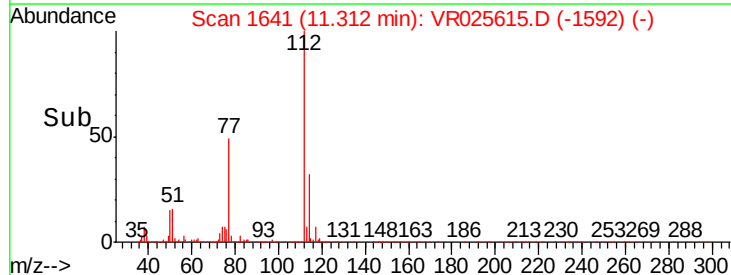
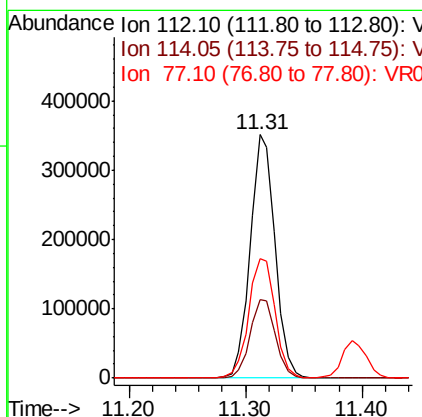
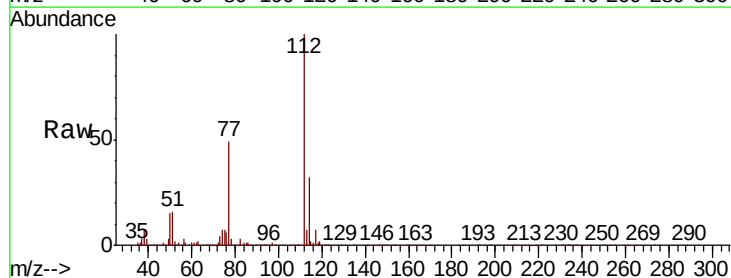
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

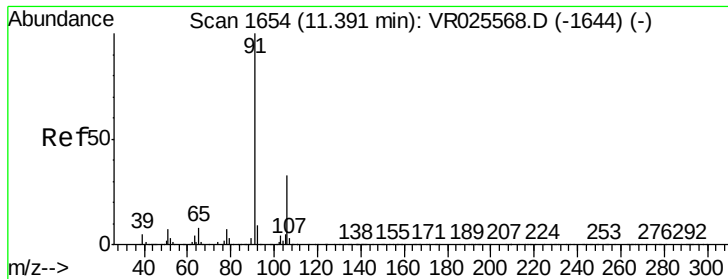
Tgt Ion:107 Resp: 78616
Ion Ratio Lower Upper
107 100
109 91.9 60.6 112.6
188 3.9 2.4 3.6#



#51
Chlorobenzene
Concen: 5.361 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion:112 Resp: 521690
Ion Ratio Lower Upper
112 100
114 32.1 21.8 40.4
77 49.1 41.8 62.8





#52

Ethylbenzene

Concen: 5.195 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

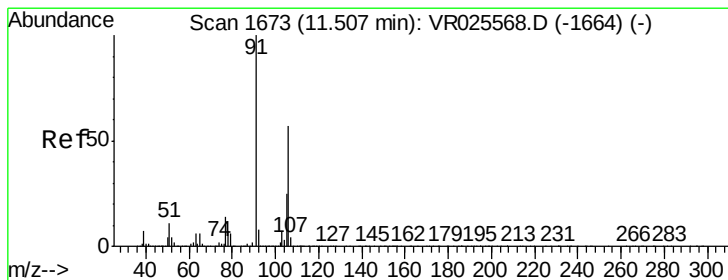
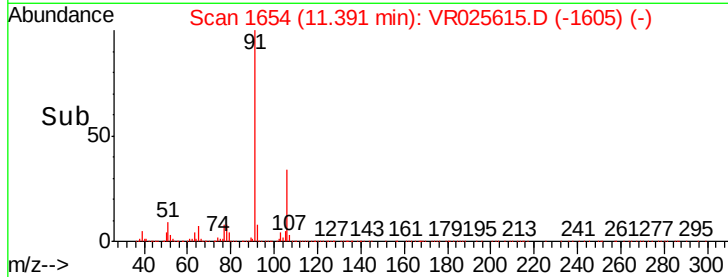
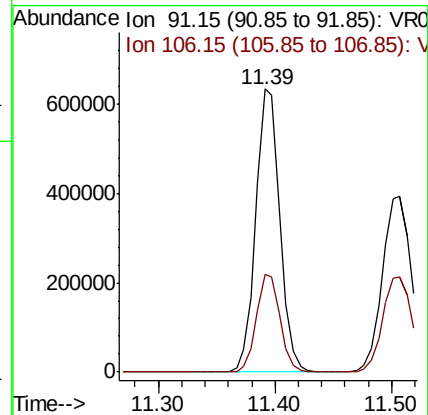
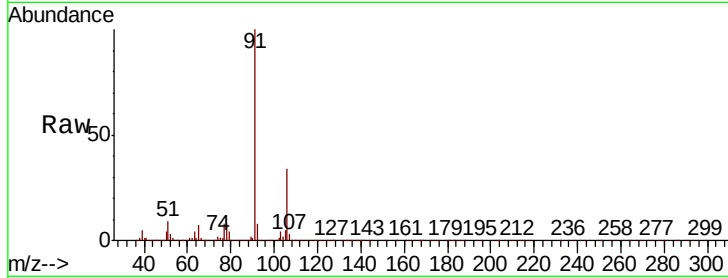
VSTD00597

Tgt Ion: 91 Resp: 909053

Ion Ratio Lower Upper

91 100

106 34.4 23.6 43.8



#53

m,p-Xylene

Concen: 5.511 ug/L

RT: 11.51 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VR025615.D

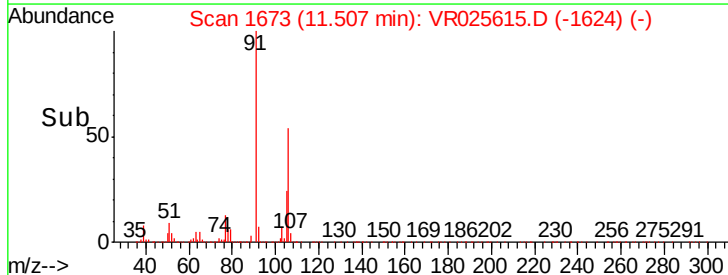
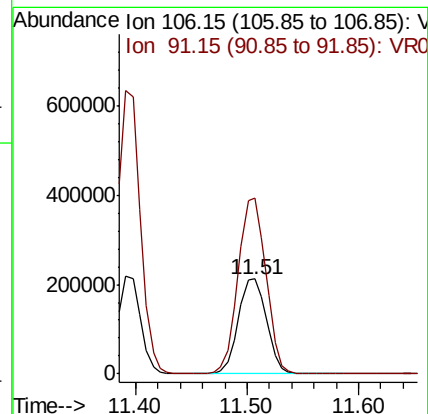
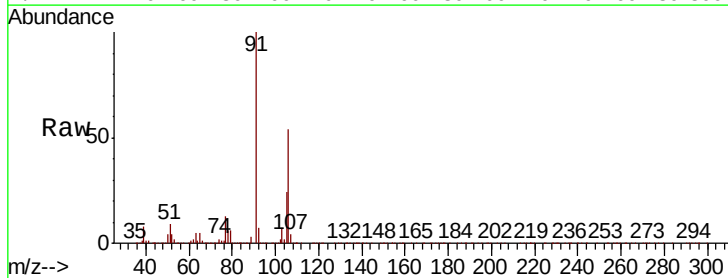
Acq: 9 Aug 2018 20:30

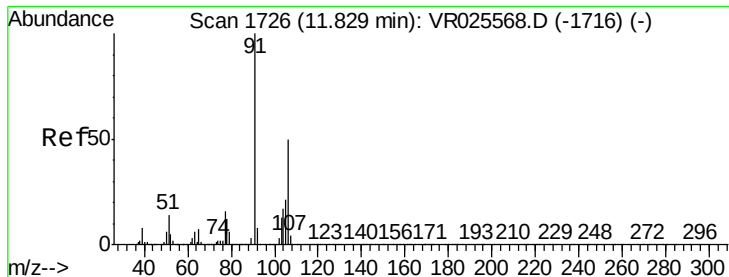
Tgt Ion: 106 Resp: 373079

Ion Ratio Lower Upper

106 100

91 185.2 128.2 238.0

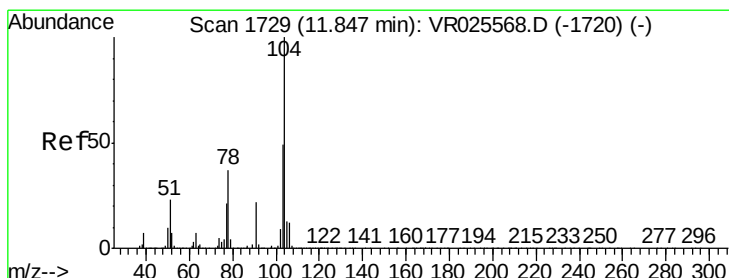
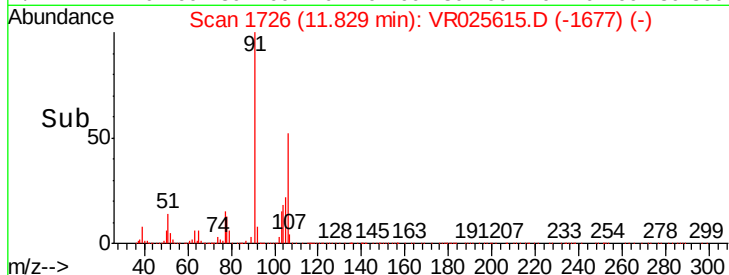
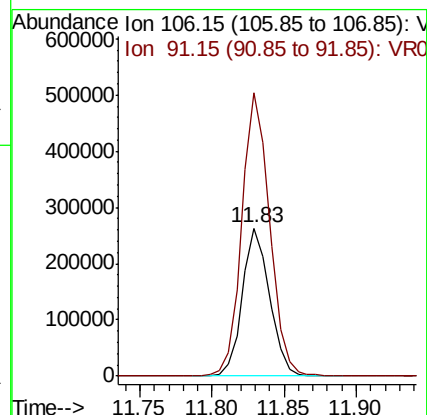
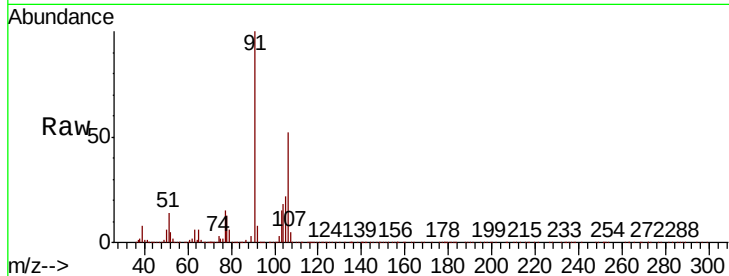




#54
o-Xylene
Concen: 5.558 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

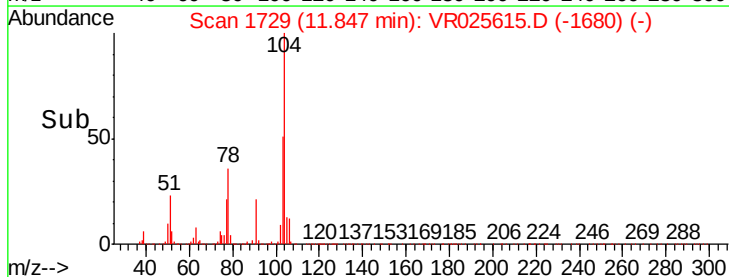
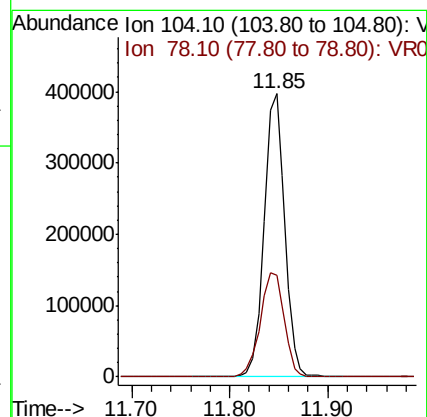
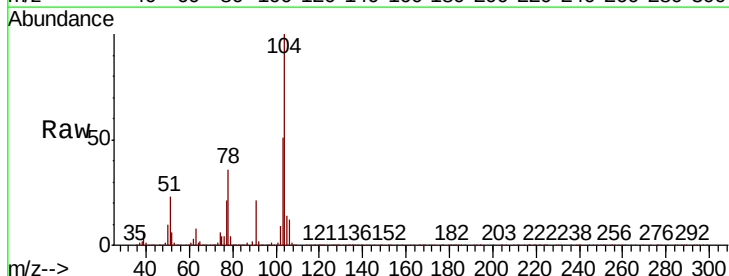
Instrument :
MSVOA_R
ClientSampled :
VSTD00597

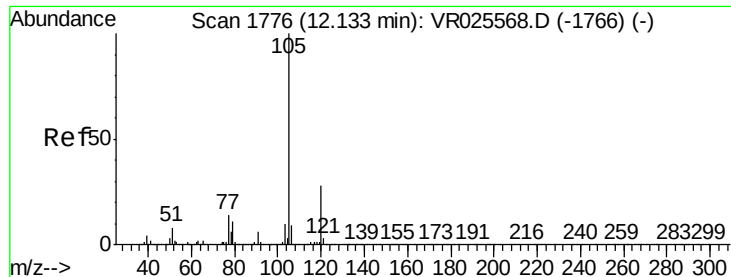
Tgt Ion:106 Resp: 345450
Ion Ratio Lower Upper
106 100
91 191.4 143.0 265.6



#55
Styrene
Concen: 5.835 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VR025615.D
Acq: 9 Aug 2018 20:30

Tgt Ion:104 Resp: 577789
Ion Ratio Lower Upper
104 100
78 36.1 26.0 48.2





#56

Isopropylbenzene

Concen: 5.330 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

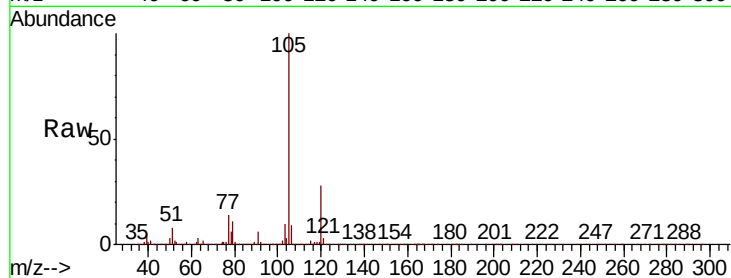
Tgt Ion: 105 Resp: 871435

Ion Ratio Lower Upper

105 100

120 28.4 22.5 33.7

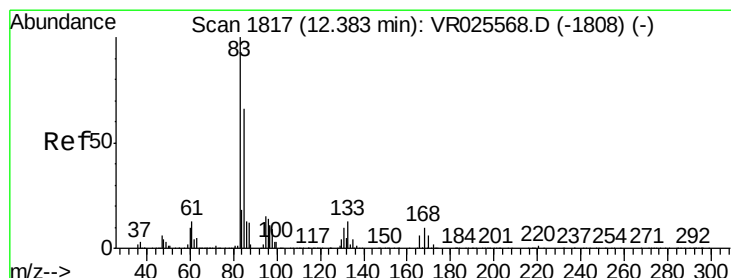
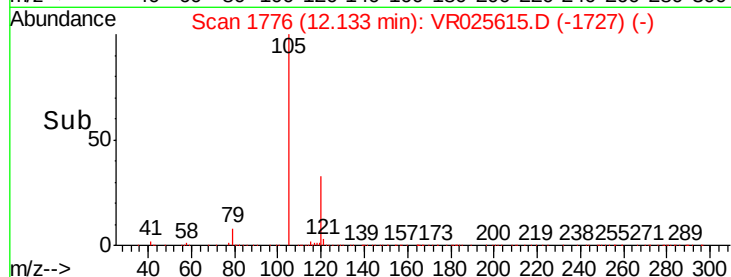
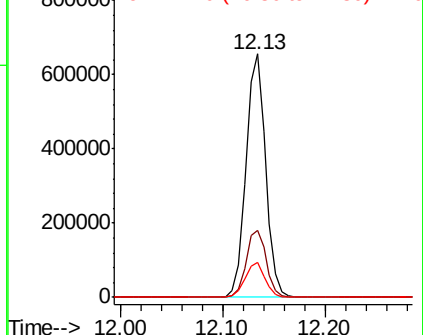
77 14.5 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 6.261 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

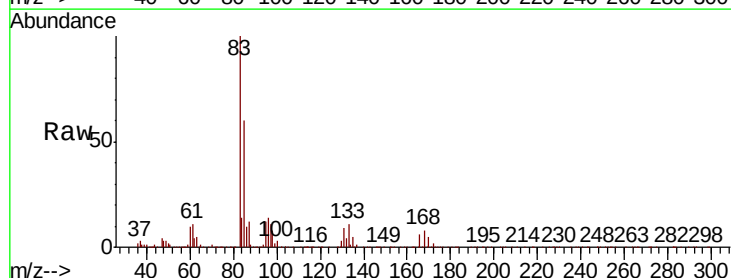
Tgt Ion: 83 Resp: 93989

Ion Ratio Lower Upper

83 100

85 60.2 42.5 78.9

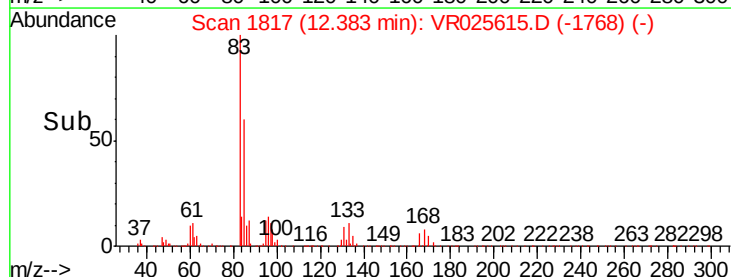
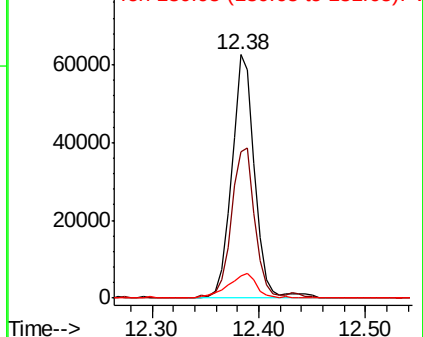
131 9.4 8.6 13.0

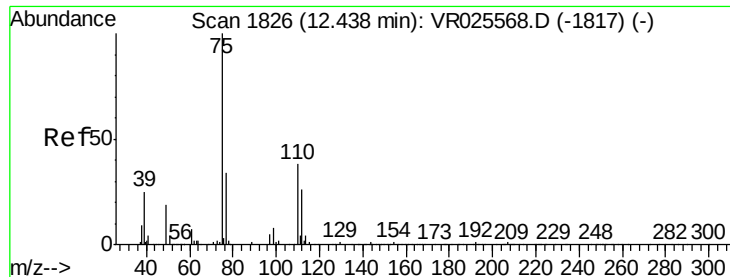


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

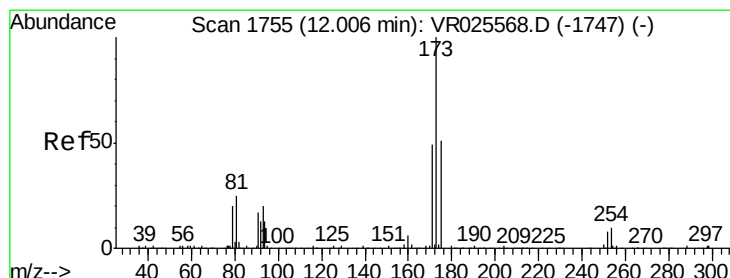
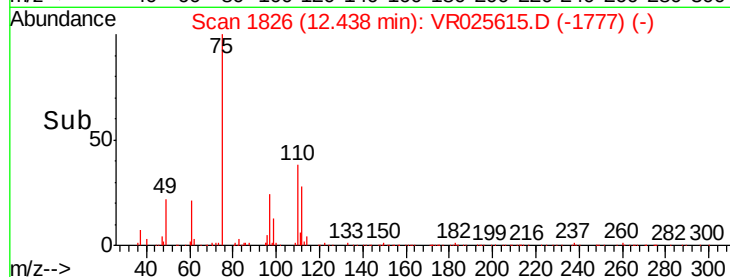
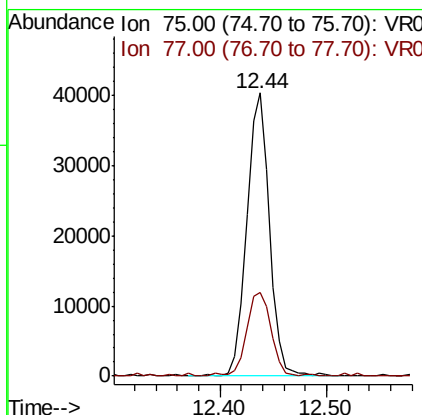
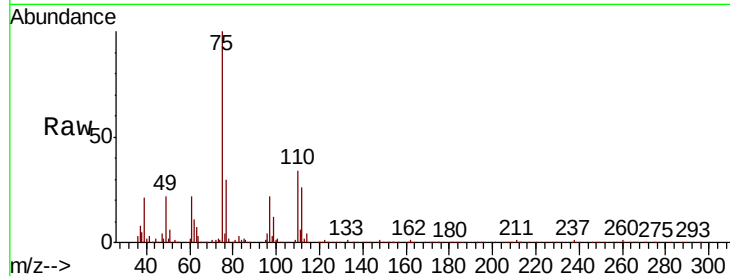




#59
 1,2,3-Trichloropropane
 Concen: 5.972 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

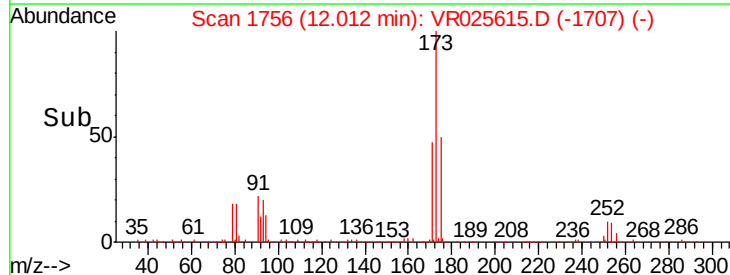
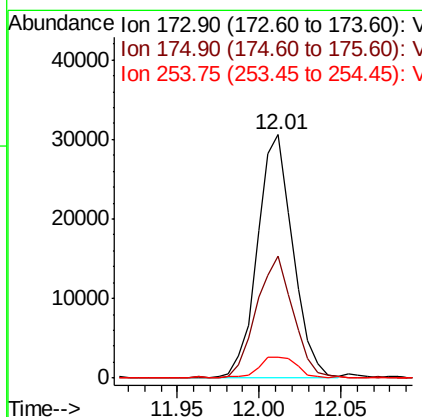
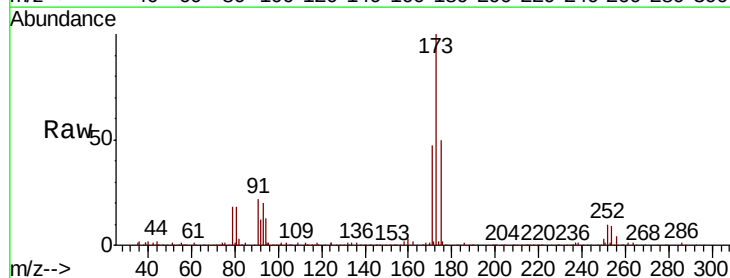
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

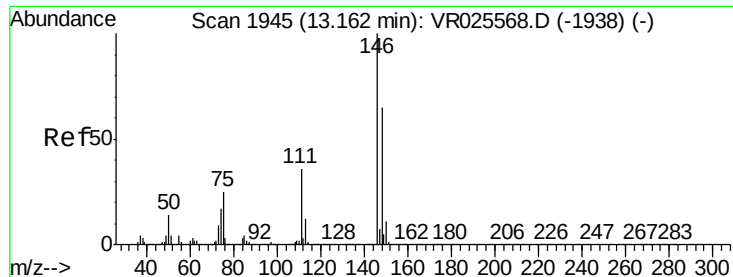
Tgt Ion: 75 Resp: 59890
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.7 37.1



#61
 Bromoform
 Concen: 5.396 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion: 173 Resp: 46280
 Ion Ratio Lower Upper
 173 100
 175 51.8 39.3 58.9
 254 9.3 7.5 11.3

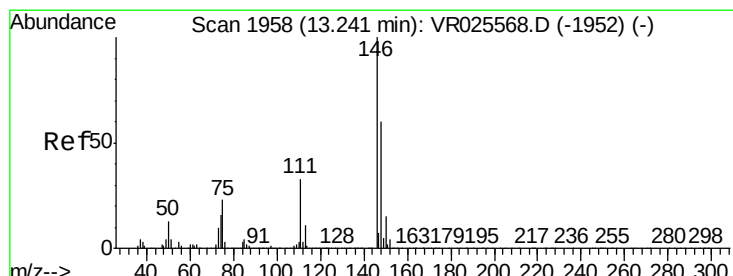
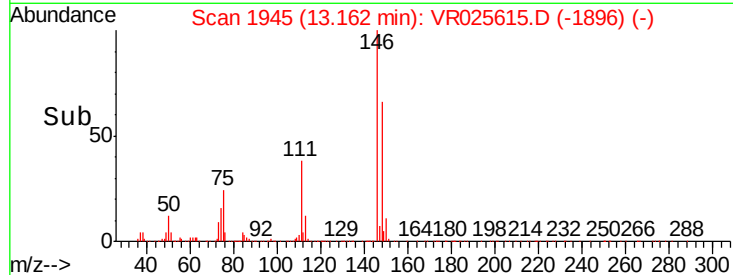
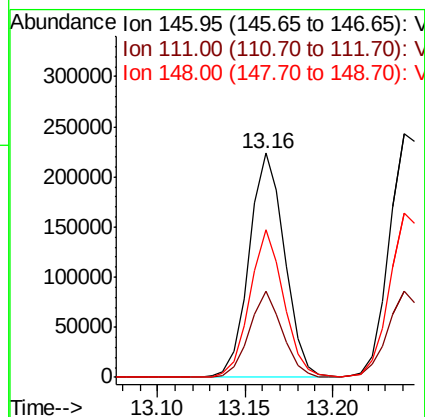
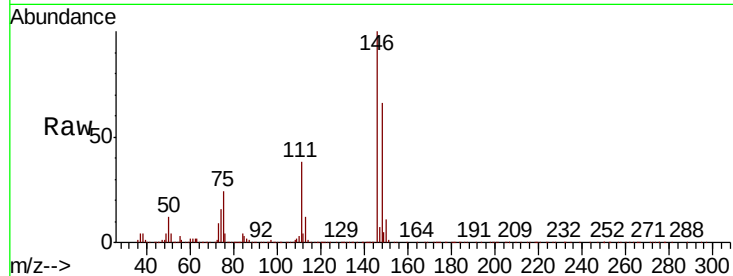




#62
 1,3-Dichlorobenzene
 Concen: 5.036 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

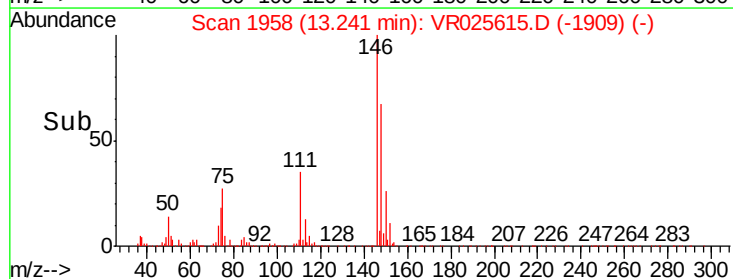
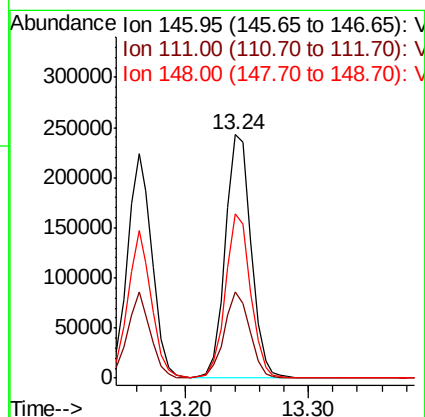
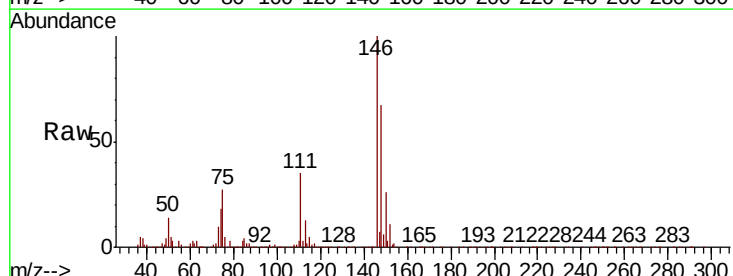
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

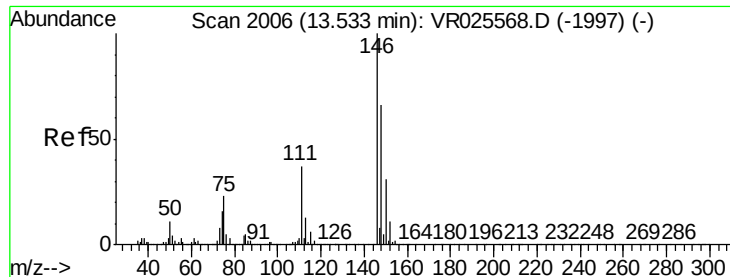
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.2	48.6
148	65.8	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.220 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	25.6	47.6
148	67.2	44.2	82.0

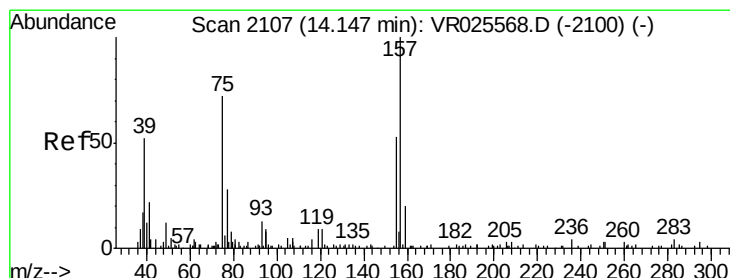
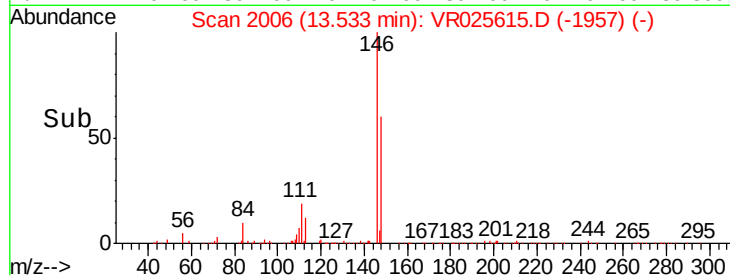
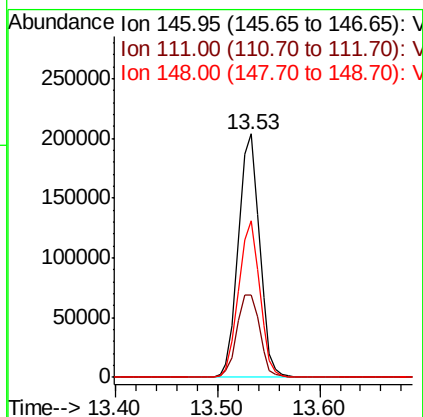
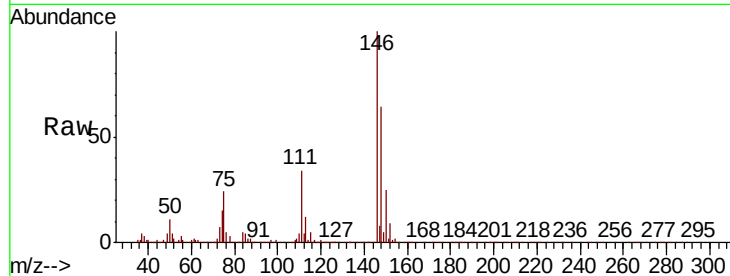




#65
 1,2-Dichlorobenzene
 Concen: 5.453 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

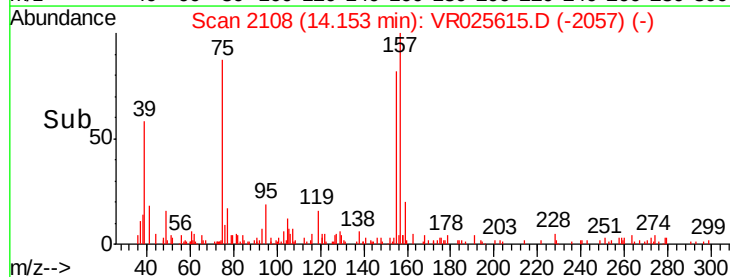
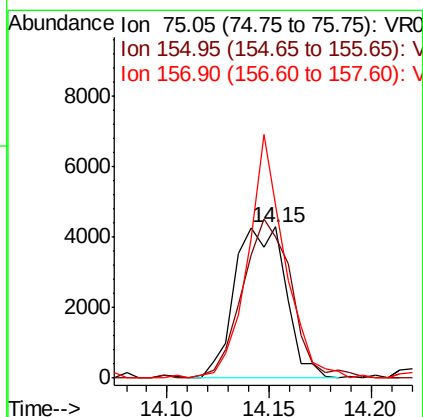
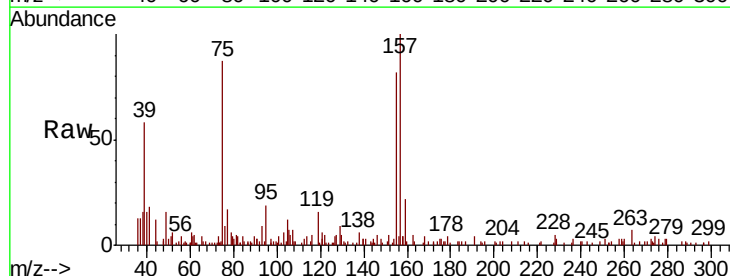
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

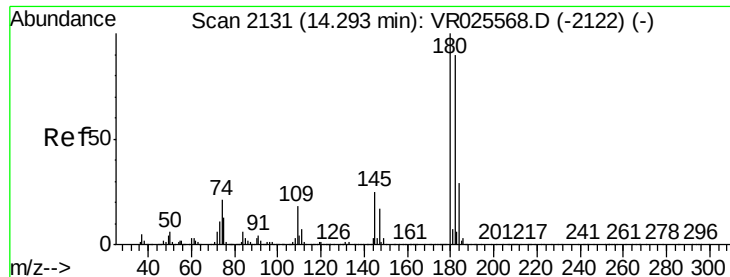
Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	28.9	43.3
148	64.1	52.1	78.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.487 ug/L
 RT: 14.15 min Scan# 2108
 Delta R.T. 0.01 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	62.3	93.5#
157	114.4	67.7	101.5#

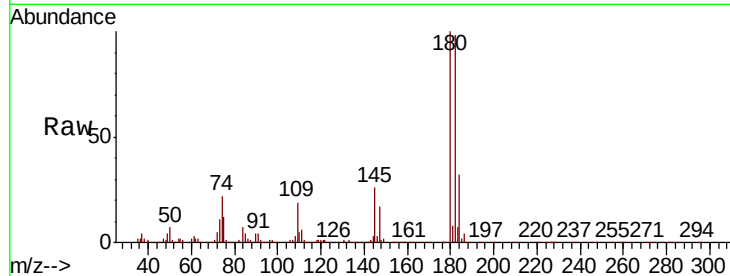




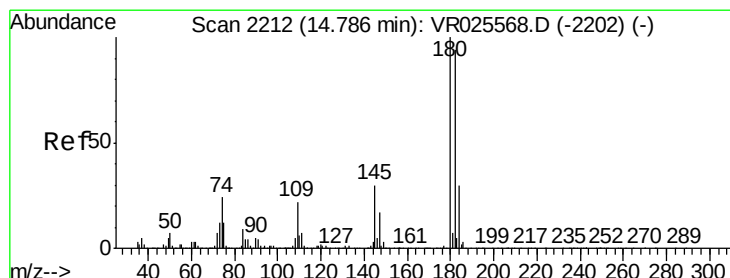
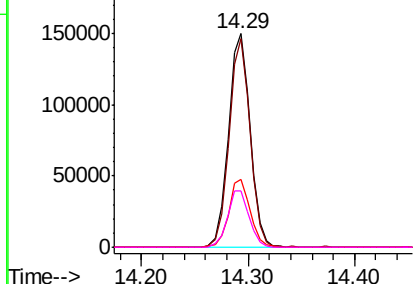
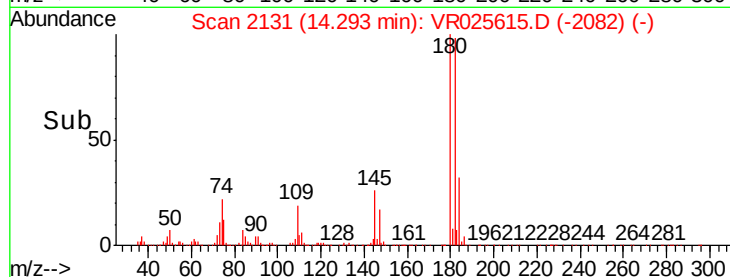
#67
 1,3,5-Trichlorobenzene
 Concen: 5.030 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion:	180	Resp:	212884
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.0	112.4
184	31.1	24.1	36.1
145	26.7	24.1	36.1

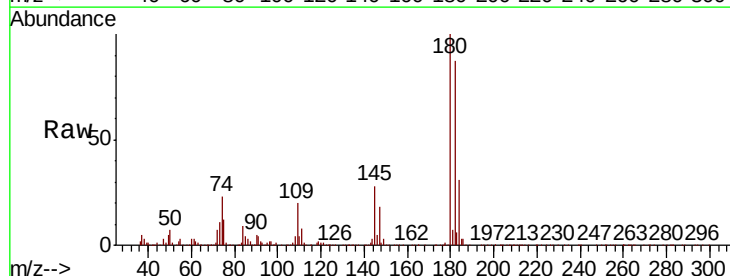


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

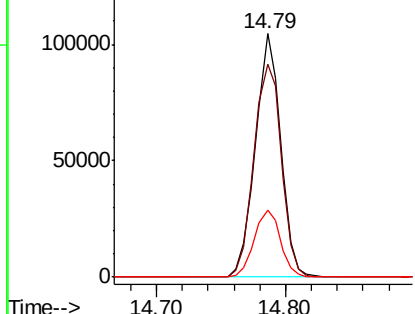
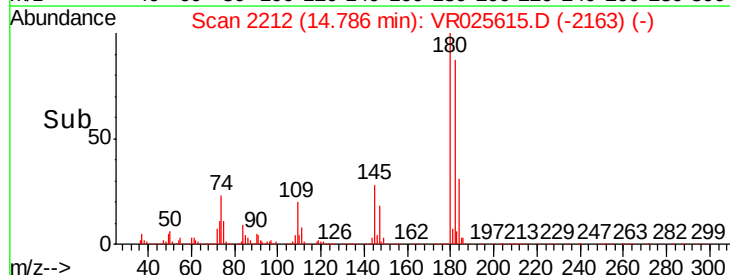


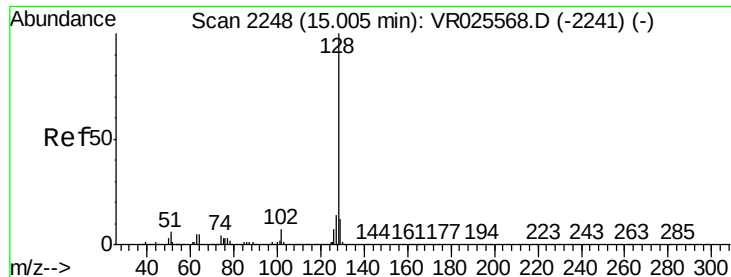
#68
 1,2,4-trichlorobenzene
 Concen: 5.173 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VR025615.D
 Acq: 9 Aug 2018 20:30

Tgt Ion:	180	Resp:	140688
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.8	115.2
145	28.7	24.0	36.0



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: 5.036 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

Instrument :

MSVOA_R

ClientSampled :

VSTD00597

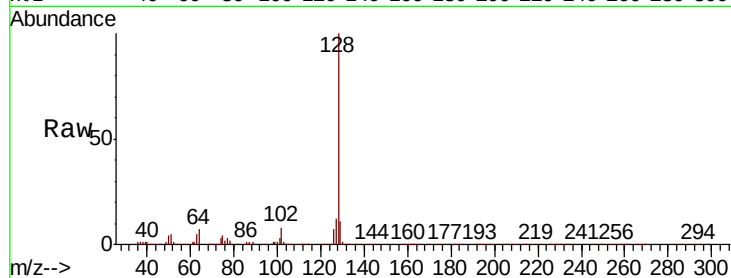
Tgt Ion:128 Resp: 156484

Ion Ratio Lower Upper

128 100

127 13.1 11.1 16.7

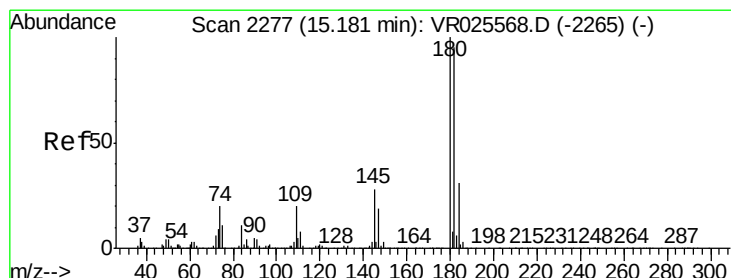
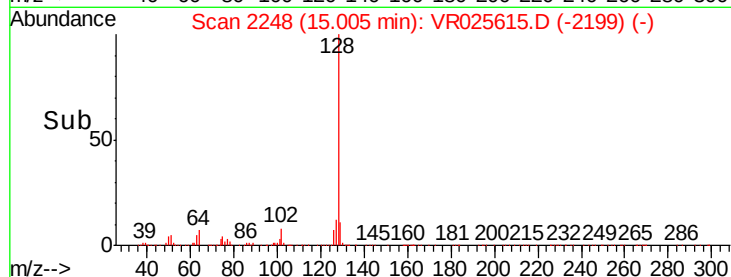
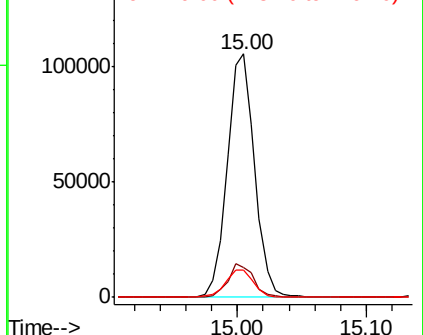
129 11.9 8.9 13.3



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: 6.117 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VR025615.D

Acq: 9 Aug 2018 20:30

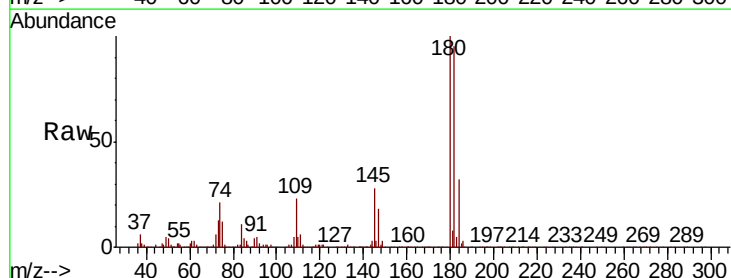
Tgt Ion:180 Resp: 127939

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 30.6 26.1 39.1



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

