

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058915.D
 Acq On : 23 Oct 2019 9:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 24 01:08:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	533859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	247463	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.57	113	177850	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.08	98	696750	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	259776	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	208449	48.220	ug/l	99
3) Chloromethane	2.04	50	245407	45.836	ug/l	99
4) Vinyl Chloride	2.17	62	243546	45.814	ug/l	99
5) Bromomethane	2.54	94	152348	45.765	ug/l	97
6) Chloroethane	2.68	64	158551	46.509	ug/l	99
7) Trichlorofluoromethane	3.00	101	316278	48.084	ug/l	100
8) Diethyl Ether	3.39	74	109812	48.311	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	175993	48.264	ug/l	99
10) Methyl Iodide	3.93	142	229922	47.941	ug/l	98
11) Tert butyl alcohol	4.75	59	189104	224.092	ug/l	99
12) 1,1-Dichloroethene	3.71	96	164437	48.109	ug/l	98
13) Acrolein	3.58	56	121469	209.492	ug/l	99
14) Allyl chloride	4.30	41	302886	43.792	ug/l	90
15) Acrylonitrile	4.95	53	521458	245.661	ug/l	99
16) Acetone	3.79	43	696175	277.051	ug/l	99
17) Carbon Disulfide	4.03	76	503977	45.773	ug/l	99
18) Methyl Acetate	4.29	43	269879	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	599574	50.096	ug/l	99
20) Methylene Chloride	4.52	84	200477	46.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	184301	48.825	ug/l	97
22) Diisopropyl ether	5.92	45	700765	51.799	ug/l	100
23) Vinyl Acetate	5.87	43	2954804	271.854	ug/l	100
24) 1,1-Dichloroethane	5.82	63	382355	48.742	ug/l	99
25) 2-Butanone	6.81	43	830205	254.517	ug/l	100
26) 2,2-Dichloropropane	6.80	77	332208	48.961	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	216067	50.108	ug/l	100
28) Bromochloromethane	7.17	49	129682	49.639	ug/l	99
29) Tetrahydrofuran	7.18	42	488986	245.056	ug/l	100
30) Chloroform	7.35	83	381535	48.488	ug/l	99
31) Cyclohexane	7.63	56	333818	45.679	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	326954	49.296	ug/l	100
36) 1,1-Dichloropropene	7.77	75	289282	52.928	ug/l	99
37) Ethyl Acetate	6.91	43	314451	52.801	ug/l	99
38) Carbon Tetrachloride	7.75	117	284631	50.551	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	316120	51.510	ug/l	100
40) Benzene	8.02	78	835396	52.051	ug/l	98
41) Methacrylonitrile	7.18	41	452657	170.658	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	319342	51.652	ug/l	99
43) Isopropyl Acetate	8.15	43	497605	52.099	ug/l	99
44) Trichloroethene	8.82	130	201720	51.595	ug/l	99
45) 1,2-Dichloropropane	9.10	63	229735	52.200	ug/l	99
46) Dibromomethane	9.19	93	145054	52.136	ug/l	98
47) Bromodichloromethane	9.39	83	302769	52.799	ug/l	99
48) Methyl methacrylate	9.18	41	231075	53.324	ug/l	99
49) 1,4-Dioxane	9.19	88	75280	1058.256	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1560759	279.767	ug/l	100
52) Toluene	10.15	92	512444	53.841	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	336886	53.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	361628	53.321	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	201566	51.409	ug/l	98
56) Ethyl methacrylate	10.42	69	317120	48.227	ug/l	98
57) 1,3-Dichloropropane	10.70	76	363053	52.758	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	674228	242.599	ug/l	100
59) 2-Hexanone	10.75	43	1229485	285.203	ug/l	100
60) Dibromochloromethane	10.90	129	225356	53.399	ug/l	99
61) 1,2-Dibromoethane	11.00	107	211850	52.797	ug/l	99
64) Tetrachloroethene	10.63	164	178889	49.521	ug/l	98
65) Chlorobenzene	11.43	112	536694	51.108	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	206358	52.076	ug/l	98
67) Ethyl Benzene	11.51	91	999256	54.245	ug/l	97
68) m/p-Xylenes	11.62	106	743579	108.846	ug/l	99
69) o-Xylene	11.95	106	350913	53.859	ug/l	99
70) Styrene	11.96	104	592382	49.282	ug/l	100
71) Bromoform	12.13	173	158285	51.511	ug/l #	100
73) Isopropylbenzene	12.25	105	963324	52.467	ug/l	99
74) N-amyl acetate	12.07	43	436144	52.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	316885	49.084	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	425565	73.088	ug/l #	100
77) Bromobenzene	12.53	156	227848	50.347	ug/l	99
78) n-propylbenzene	12.59	91	1171457	53.977	ug/l	100
79) 2-Chlorotoluene	12.68	91	687412	51.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	843824	54.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	110718	49.536	ug/l	99
82) 4-Chlorotoluene	12.78	91	719687	53.019	ug/l	100
83) tert-Butylbenzene	13.00	119	699099	52.997	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	855273	56.211	ug/l	100
85) sec-Butylbenzene	13.17	105	951902	54.124	ug/l	99
86) p-Isopropyltoluene	13.29	119	866226	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	428343	52.934	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	415789	51.322	ug/l	98
89) n-Butylbenzene	13.62	91	778509	54.612	ug/l	99
90) Hexachloroethane	13.88	117	158983	50.558	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	417198	52.455	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67676	46.347	ug/l	98

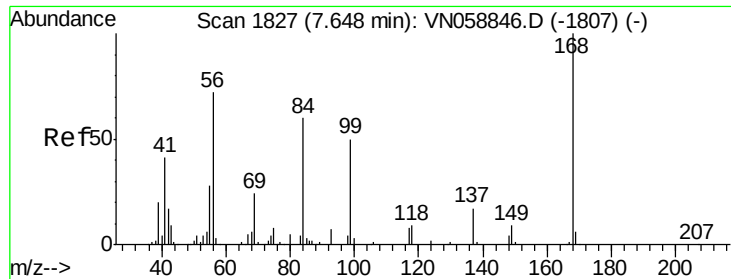
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	235795	47.241	ug/l	99
94) Hexachlorobutadiene	15.01	225	127864	49.601	ug/l	99
95) Naphthalene	15.13	128	642339	44.875	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	230575	47.433	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

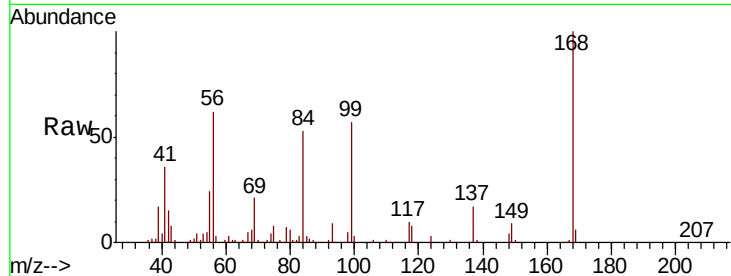
VSTDCCC050

Tot Ion:168 Resp: 346721

Ion Ratio Lower Upper

168 100

99 57.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

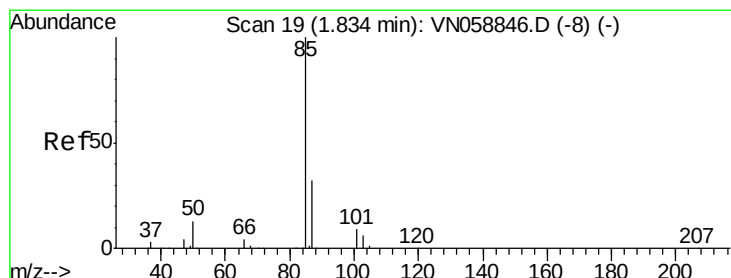
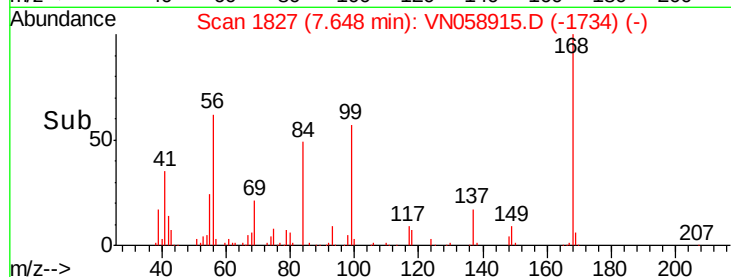
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.220 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058915.D

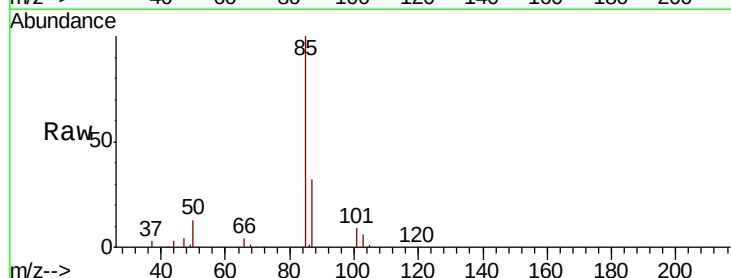
Acq: 23 Oct 2019 9:31

Tgt Ion: 85 Resp: 208449

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

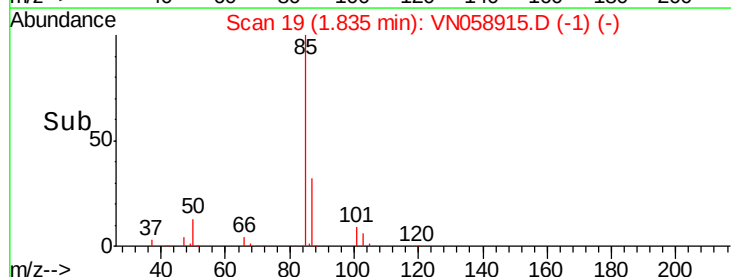
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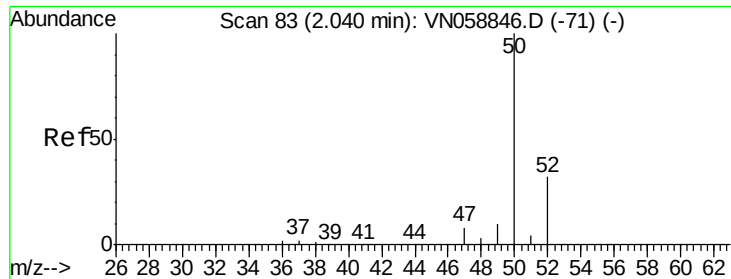
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 45.836 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

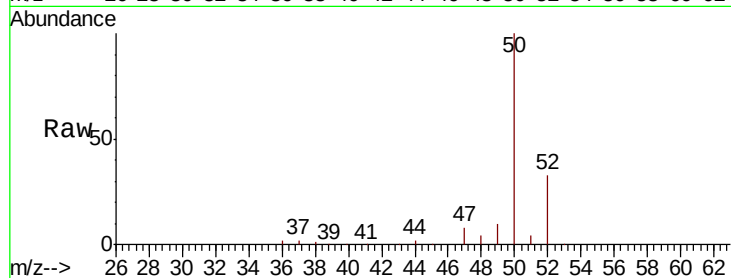
VSTDCCC050

Tot Ion: 50 Resp: 245407

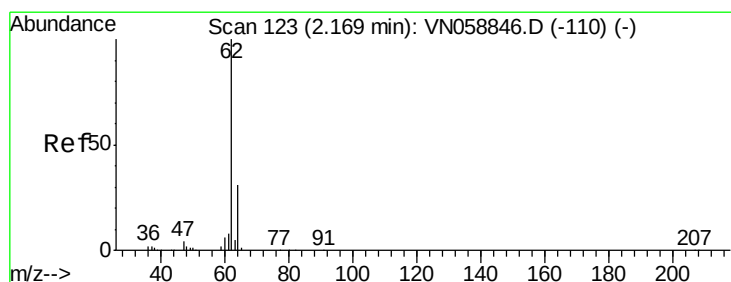
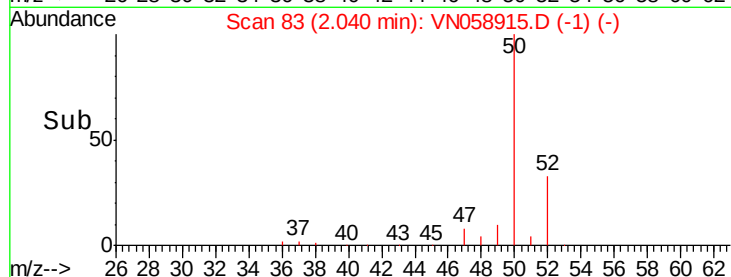
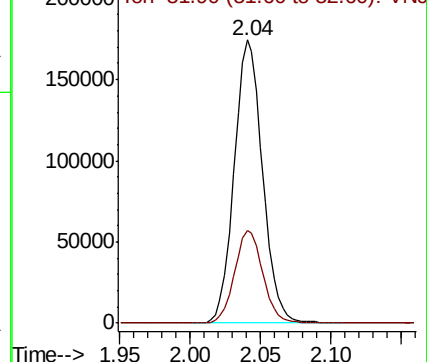
Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 45.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058915.D

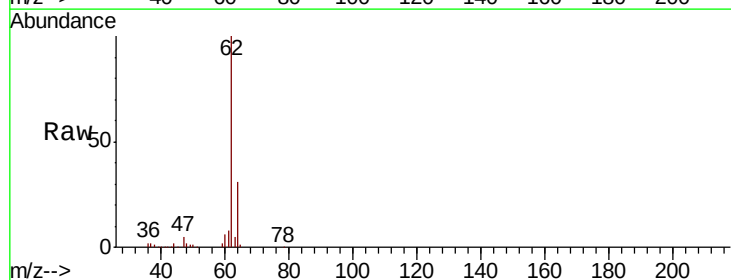
Acq: 23 Oct 2019 9:31

Tgt Ion: 62 Resp: 243546

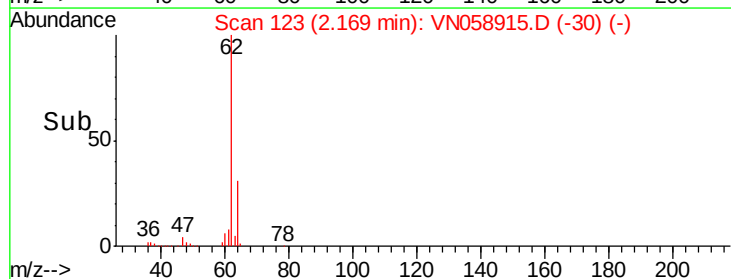
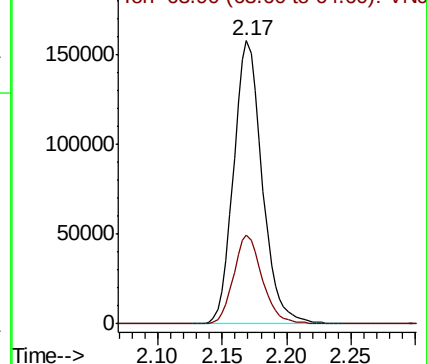
Ion Ratio Lower Upper

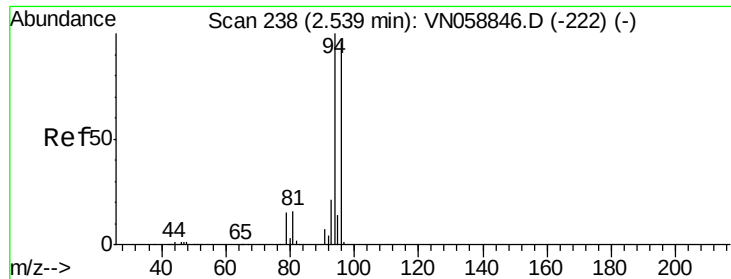
62 100

64 31.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.765 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

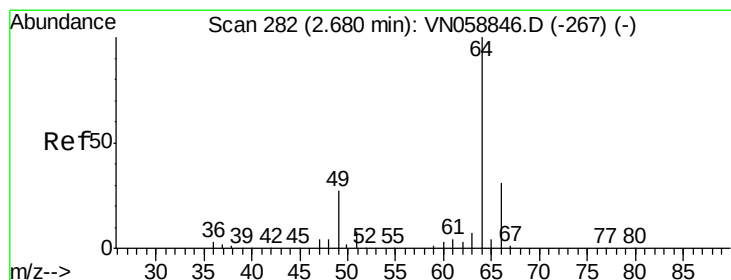
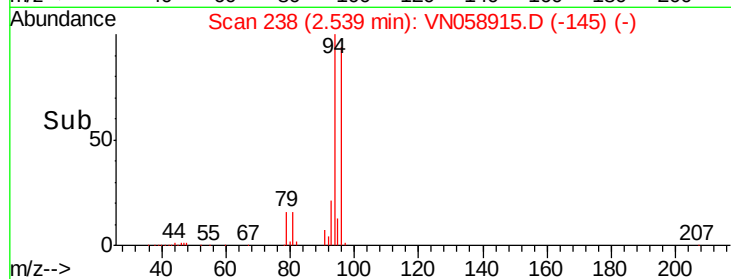
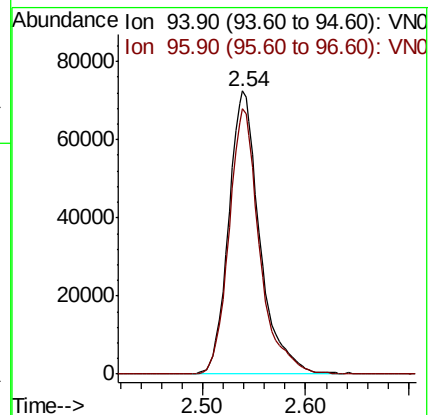
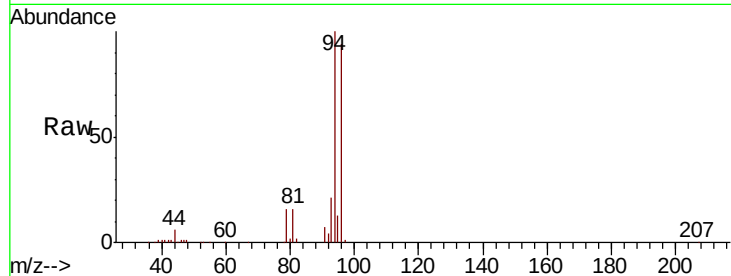
VSTDCCC050

Tot Ion: 94 Resp: 152348

Ion Ratio Lower Upper

94 100

96 93.7 77.0 115.6



#6

Chloroethane

Concen: 46.509 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058915.D

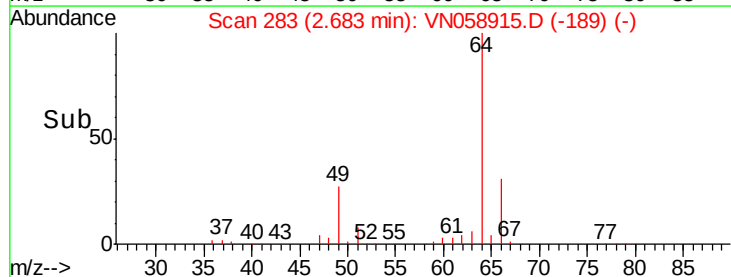
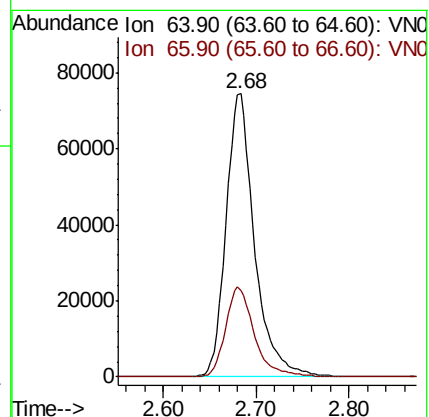
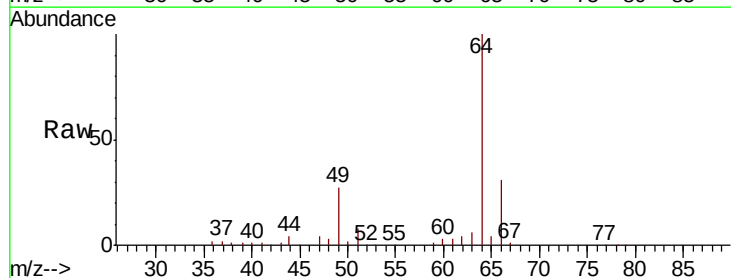
Acq: 23 Oct 2019 9:31

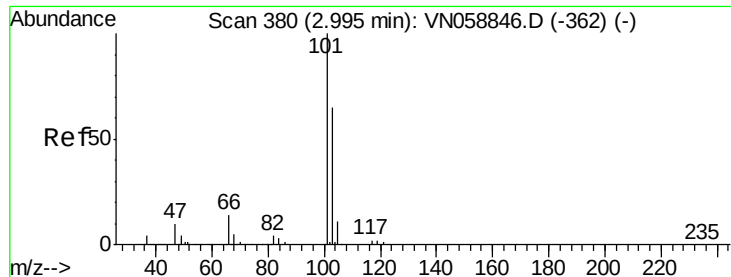
Tgt Ion: 64 Resp: 158551

Ion Ratio Lower Upper

64 100

66 30.6 25.0 37.4



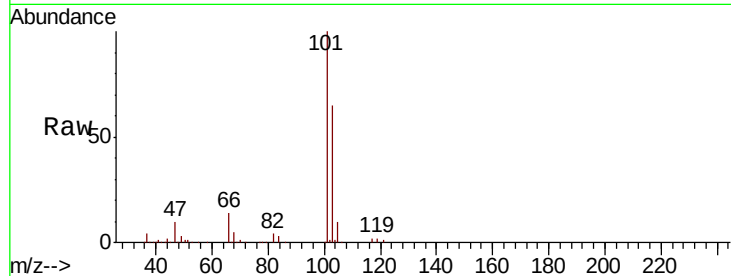


#7

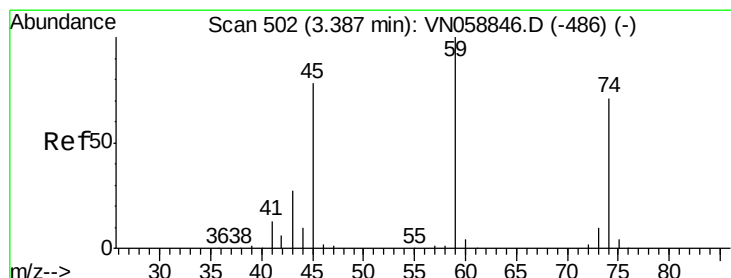
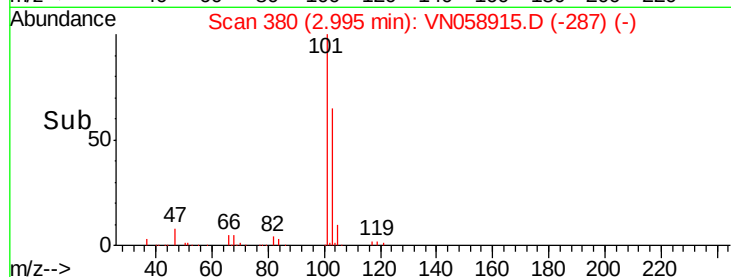
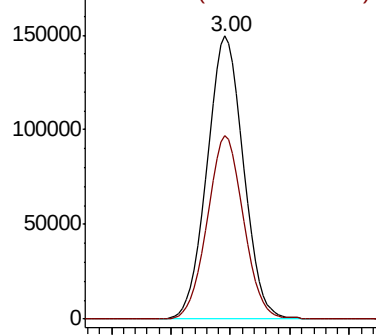
Trichlorofluoromethane
Concen: 48.084 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 316278
Ion Ratio Lower Upper
101 100
103 64.9 52.2 78.2



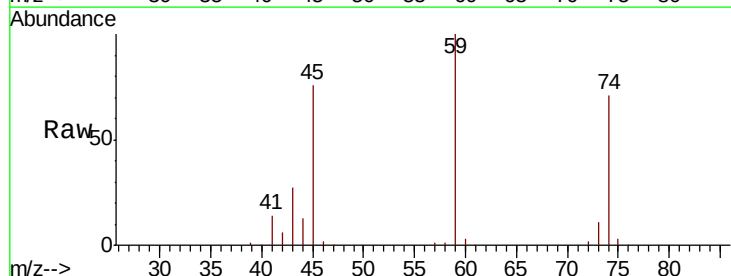
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



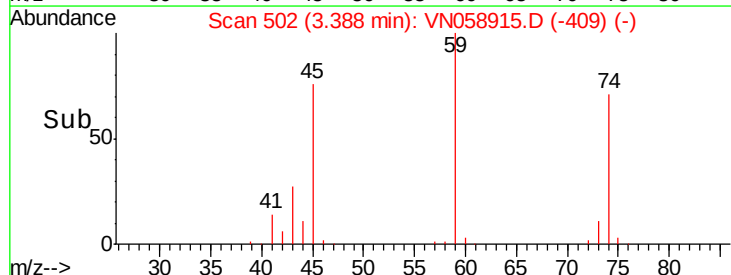
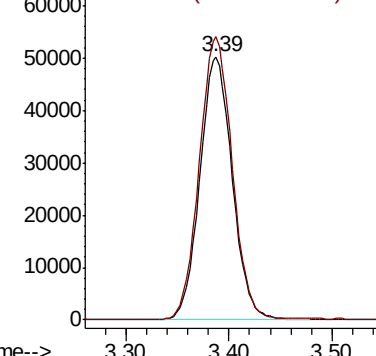
#8

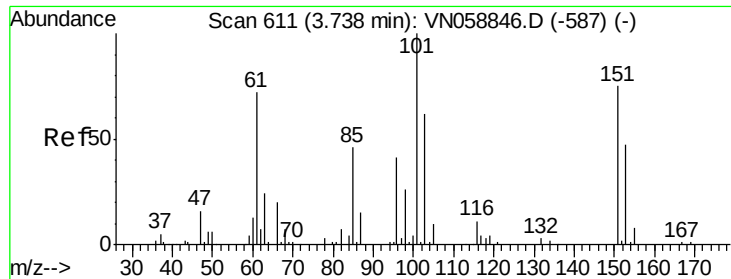
Diethyl Ether
Concen: 48.311 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 74 Resp: 109812
Ion Ratio Lower Upper
74 100
45 109.5 54.9 164.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO

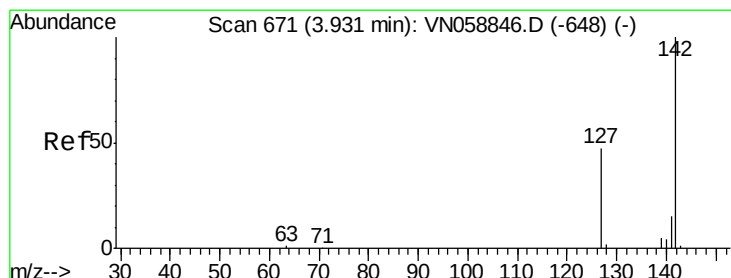
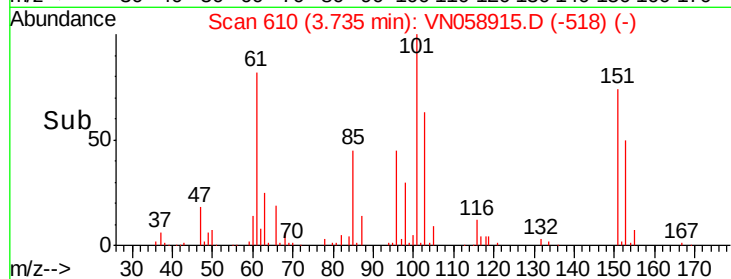
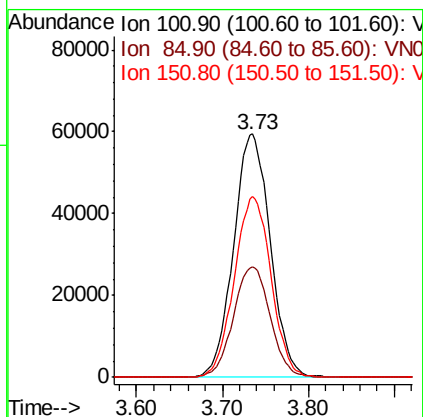
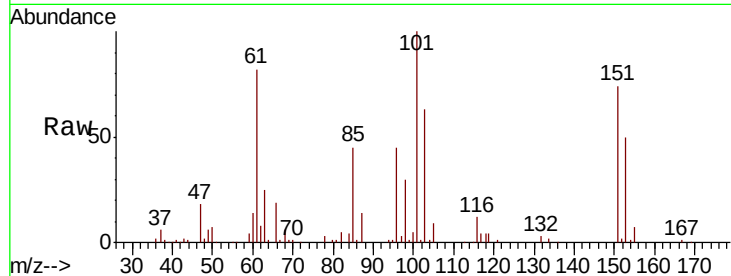




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.264 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058915.D
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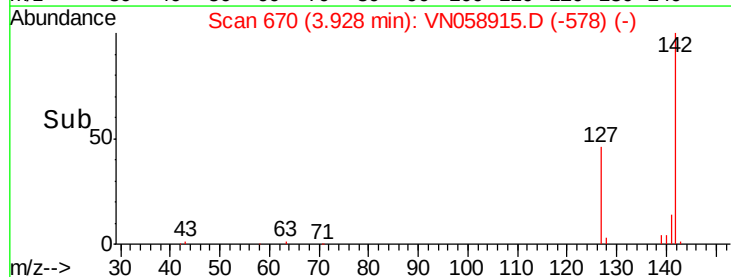
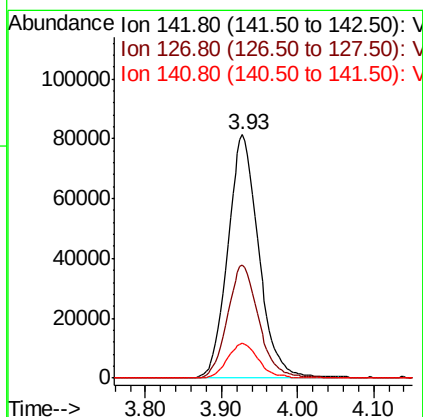
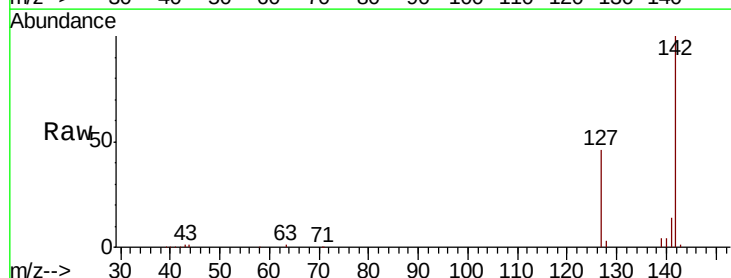
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

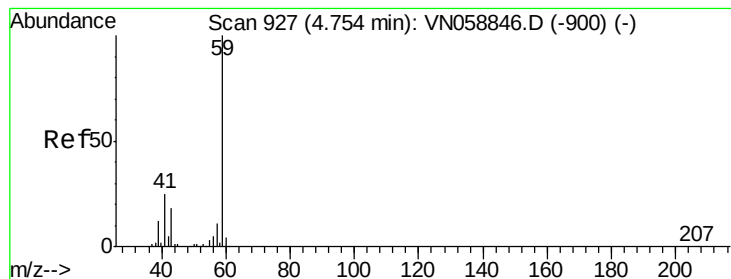
Tot Ion:101 Resp: 175993
 Ion Ratio Lower Upper
 101 100
 85 45.5 37.2 55.8
 151 74.5 59.9 89.9



#10
 Methyl Iodide
 Concen: 47.941 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion:142 Resp: 229922
 Ion Ratio Lower Upper
 142 100
 127 47.1 36.6 54.8
 141 14.4 11.4 17.2



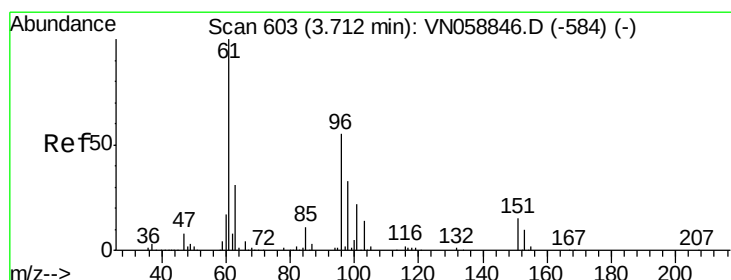
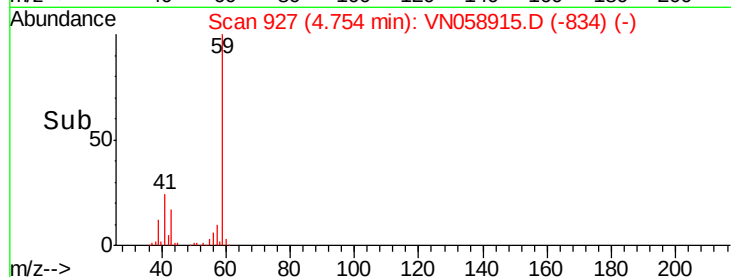
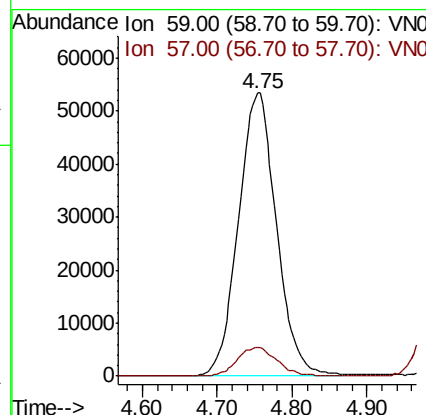
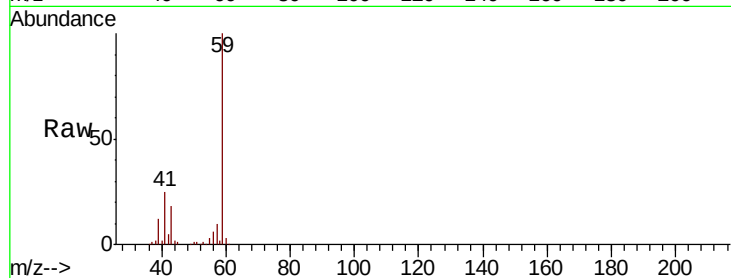


#11

Tert butyl alcohol
 Concen: 224.092 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

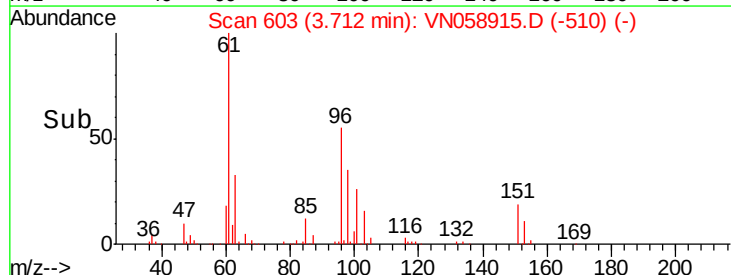
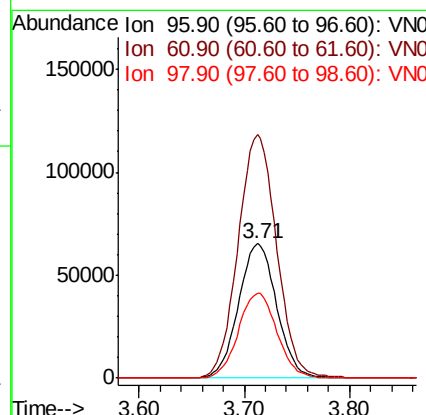
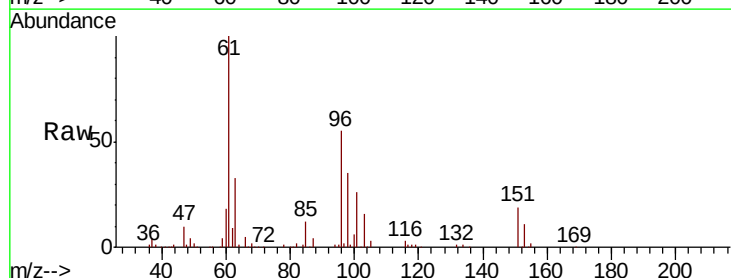
Tot Ion: 59 Resp: 189104
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8

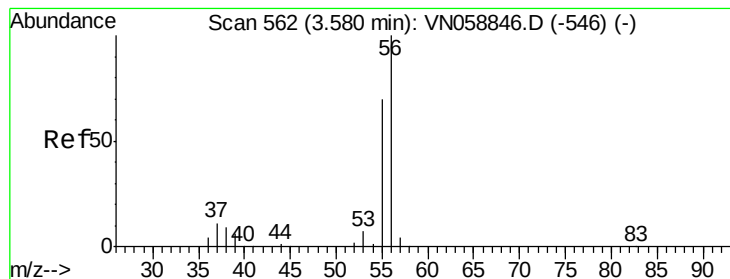


#12

1,1-Dichloroethene
 Concen: 48.109 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion: 96 Resp: 164437
 Ion Ratio Lower Upper
 96 100
 61 181.3 146.2 219.2
 98 63.6 48.7 73.1





#13

Acrolein

Concen: 209.492 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

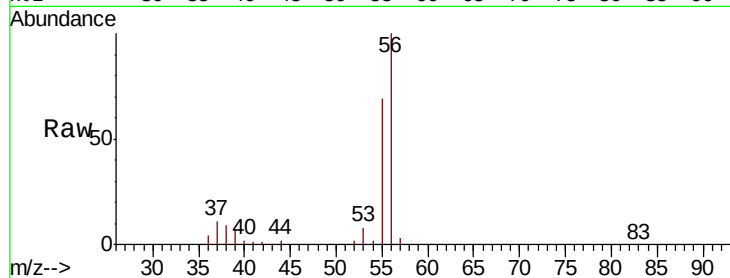
VSTDCCC050

Tot Ion: 56 Resp: 121469

Ion Ratio Lower Upper

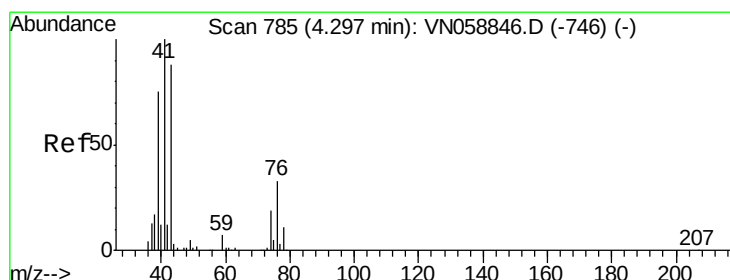
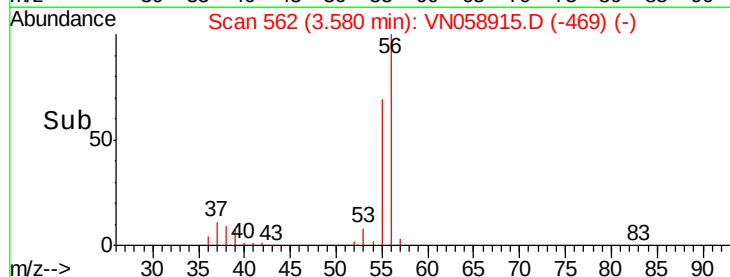
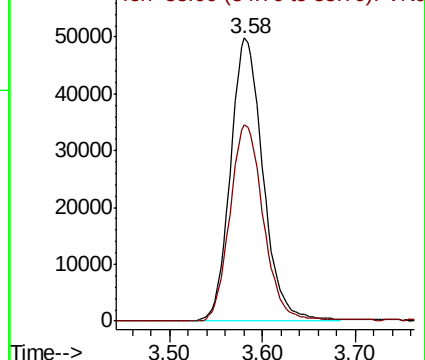
56 100

55 71.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.792 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

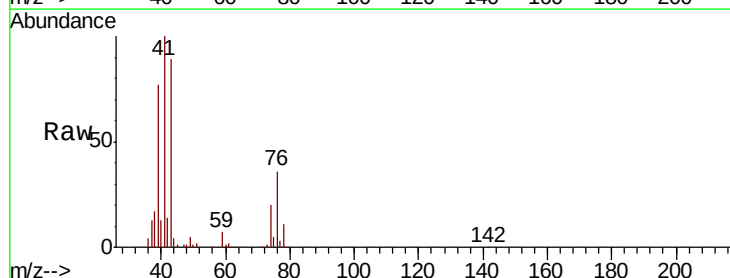
Tgt Ion: 41 Resp: 302886

Ion Ratio Lower Upper

41 100

39 78.5 55.9 83.9

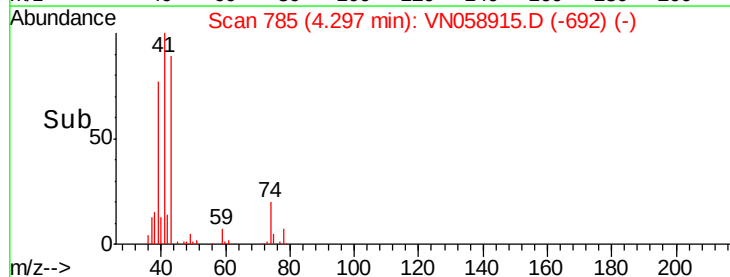
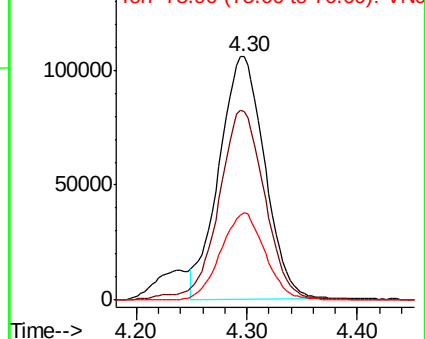
76 34.9 24.1 36.1

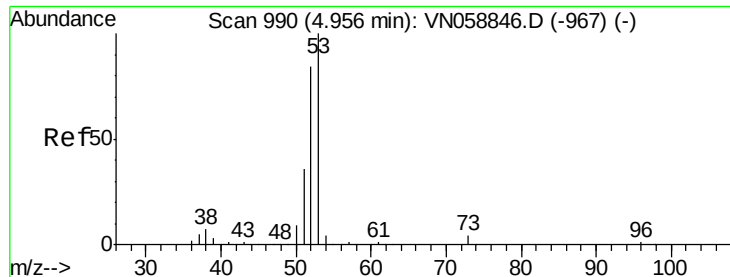


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 245.661 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

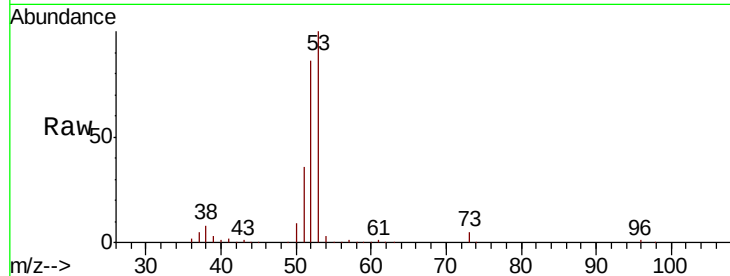
Tot Ion: 53 Resp: 521458

Ion Ratio Lower Upper

53 100

52 83.5 66.6 99.8

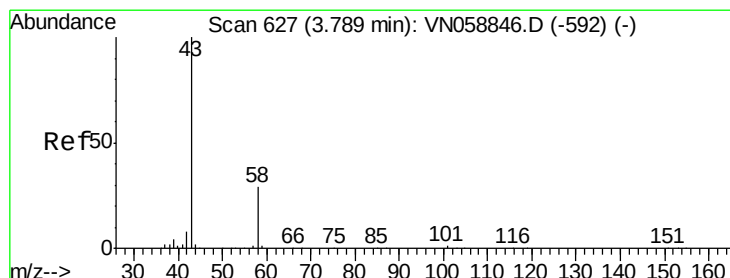
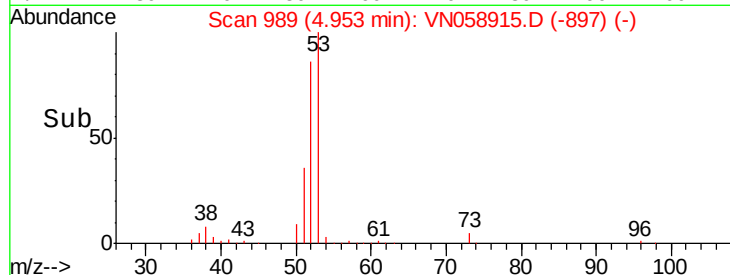
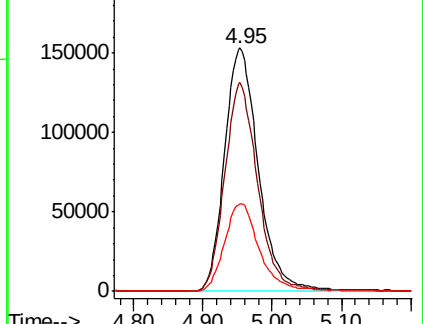
51 37.0 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 277.051 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN058915.D

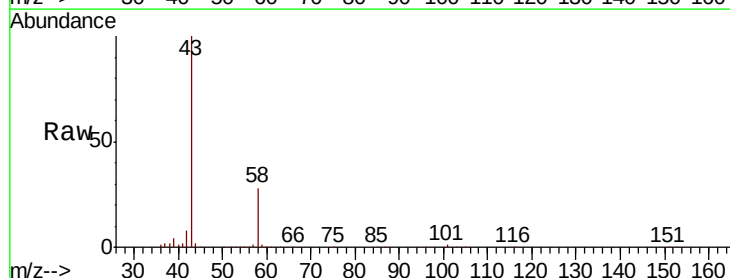
Acq: 23 Oct 2019 9:31

Tgt Ion: 43 Resp: 696175

Ion Ratio Lower Upper

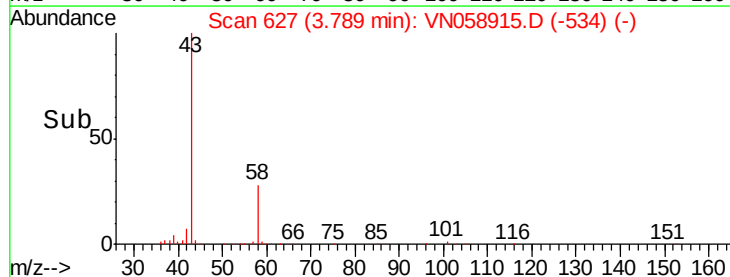
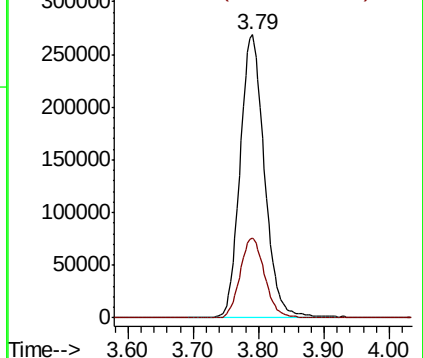
43 100

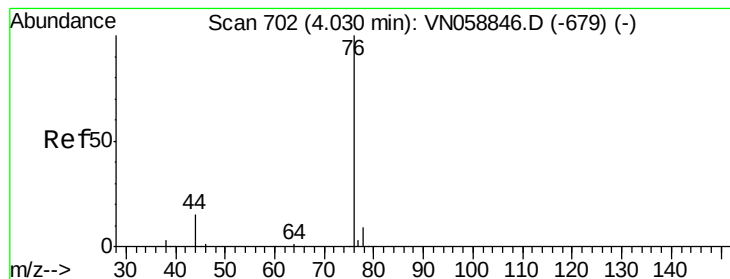
58 28.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 45.773 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

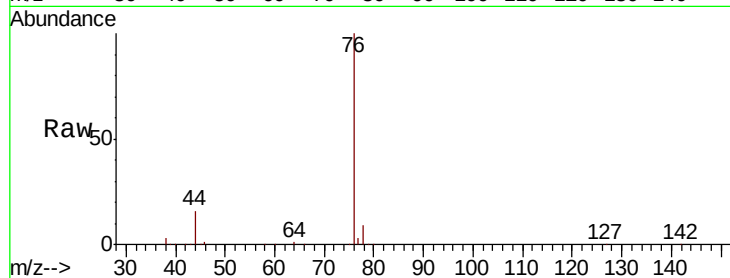
VSTDCCC050

Tot Ion: 76 Resp: 503977

Ion Ratio Lower Upper

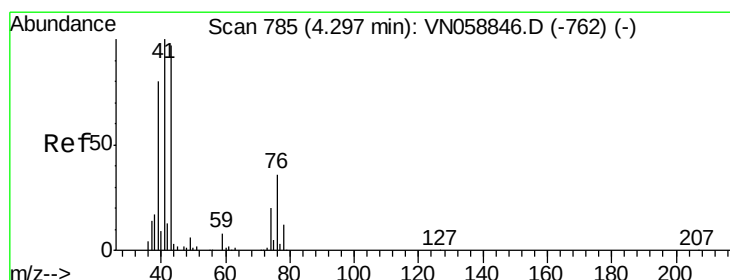
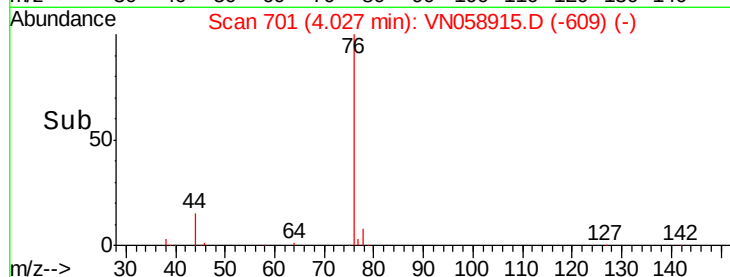
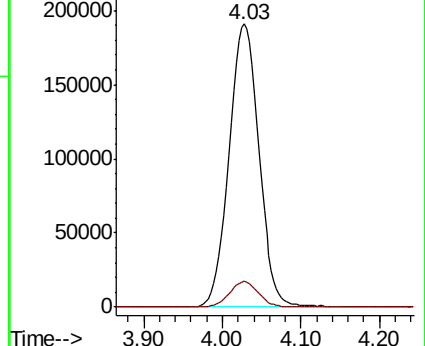
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.240 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058915.D

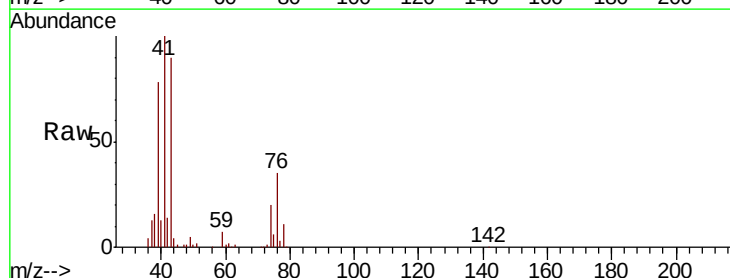
Acq: 23 Oct 2019 9:31

Tgt Ion: 43 Resp: 269879

Ion Ratio Lower Upper

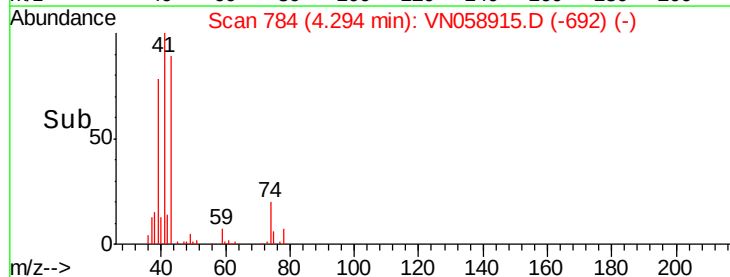
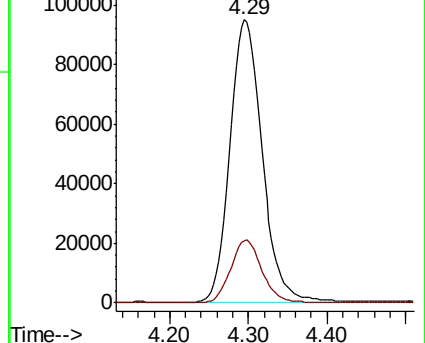
43 100

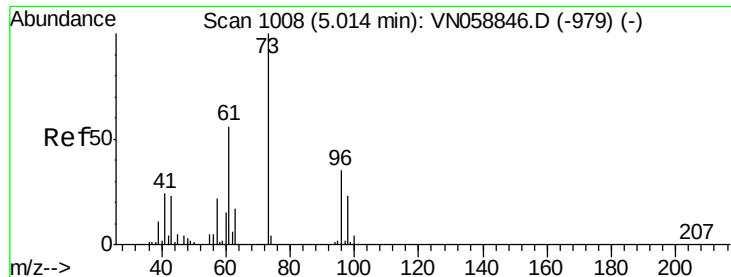
74 21.8 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

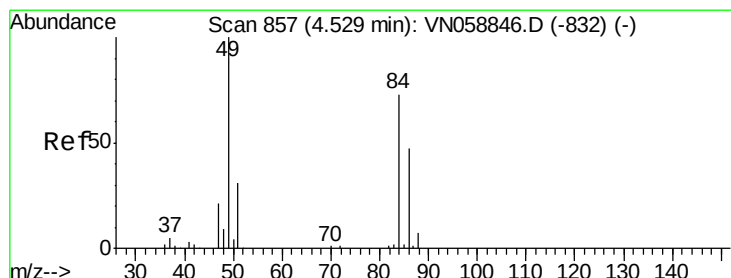
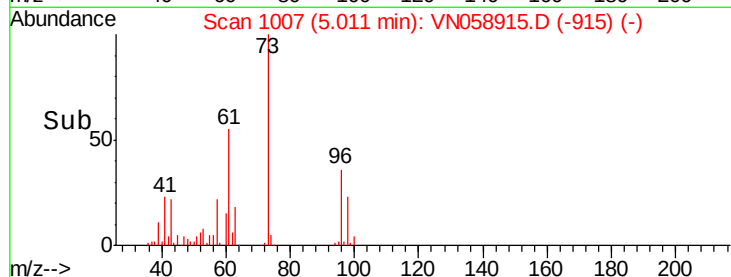
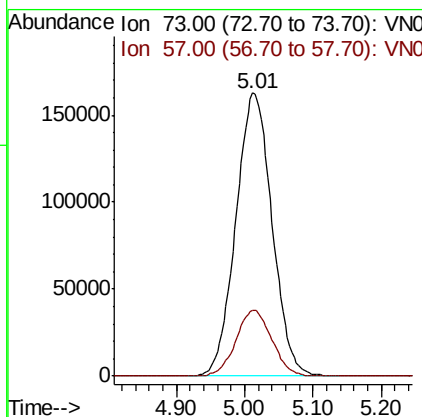
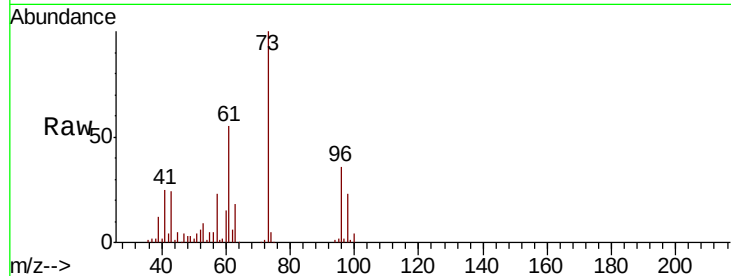




#19
Methvl tert-butvl Ether
Concen: 50.096 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

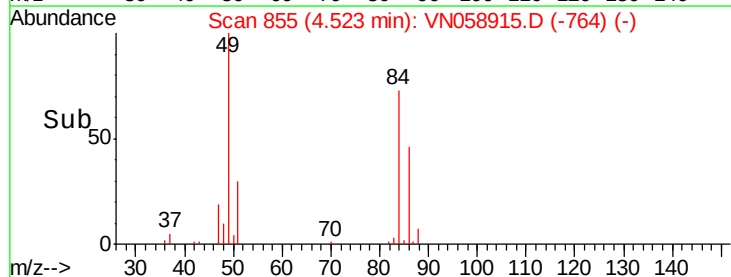
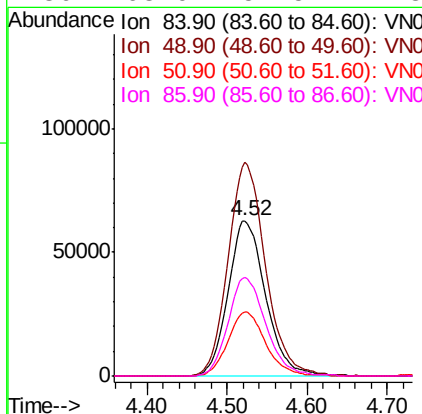
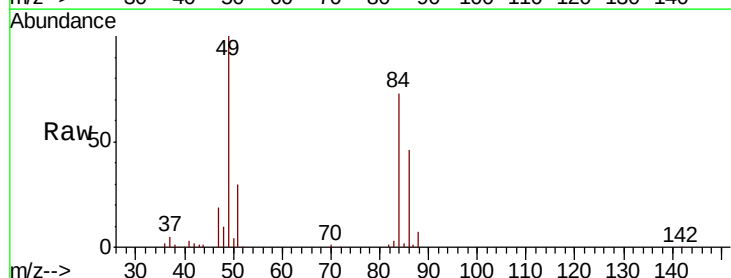
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

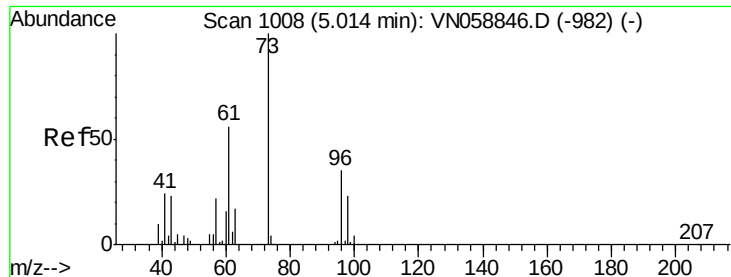
Tot Ion: 73 Resp: 599574
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 46.724 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 84 Resp: 200477
Ion Ratio Lower Upper
84 100
49 137.4 109.6 164.4
51 41.1 33.8 50.6
86 63.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 48.825 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

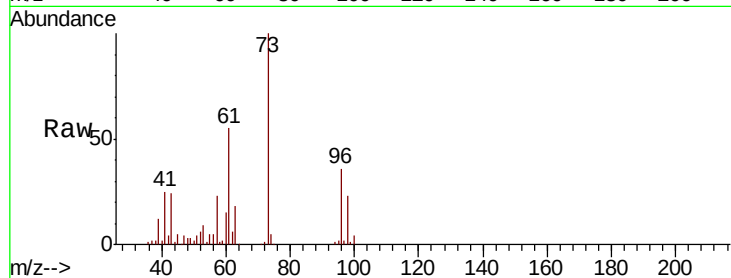
Tot Ion: 96 Resp: 184301

Ion Ratio Lower Upper

96 100

61 153.1 126.7 190.1

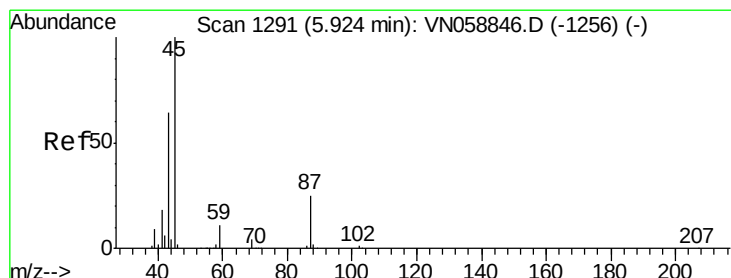
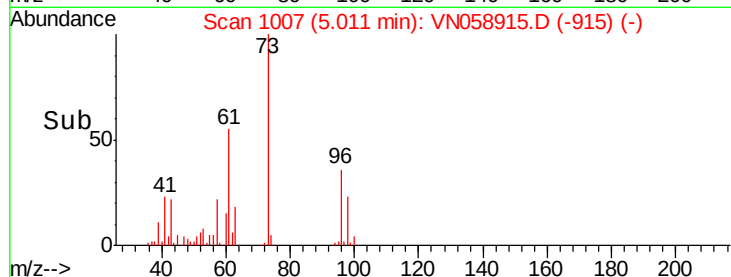
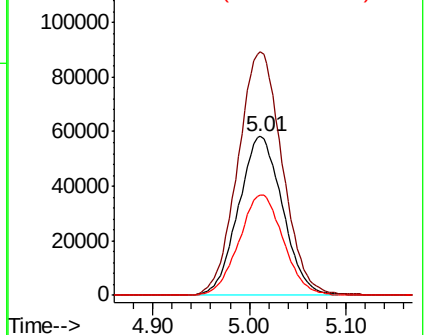
98 63.4 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-982) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-982) (-)



#22

Diisopropyl ether

Concen: 51.799 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion: 45 Resp: 700765

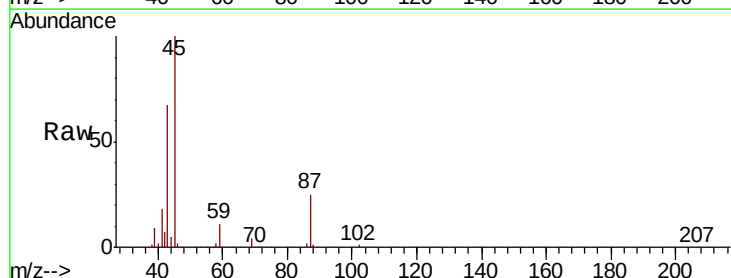
Ion Ratio Lower Upper

45 100

43 66.3 52.9 79.3

87 24.8 20.2 30.4

59 10.9 8.8 13.2

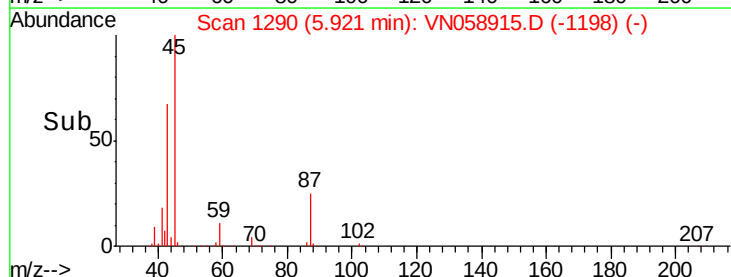
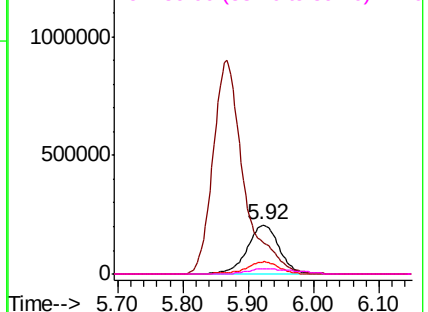


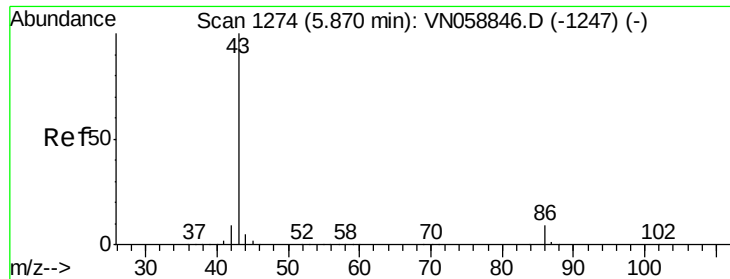
Abundance Ion 45.00 (44.70 to 45.70): VN058846.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN058846.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN058846.D (-1256) (-)





#23

Vinyl Acetate

Concen: 271.854 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

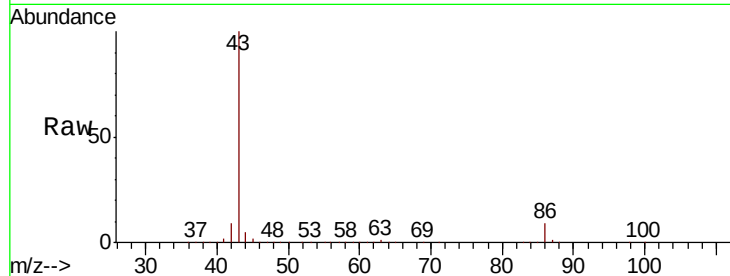
VSTDCCC050

Tot Ion: 43 Resp: 2954804

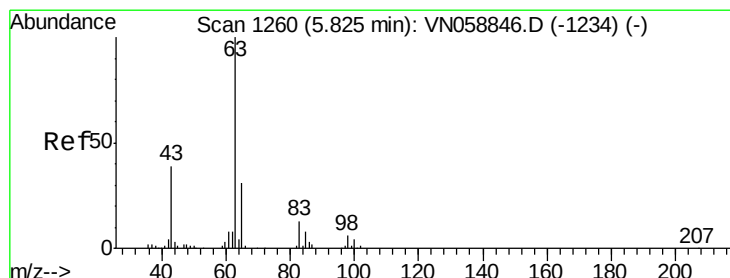
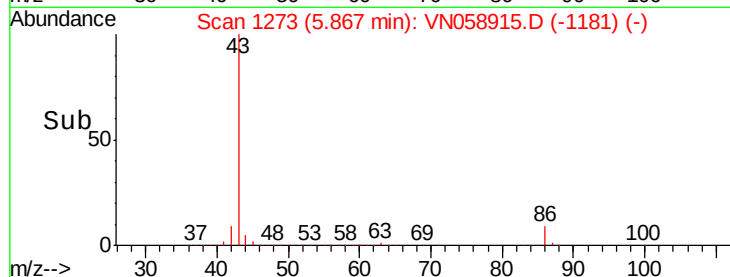
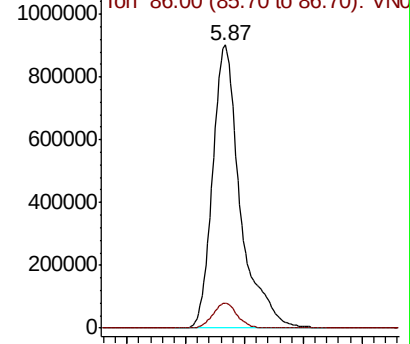
Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 48.742 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

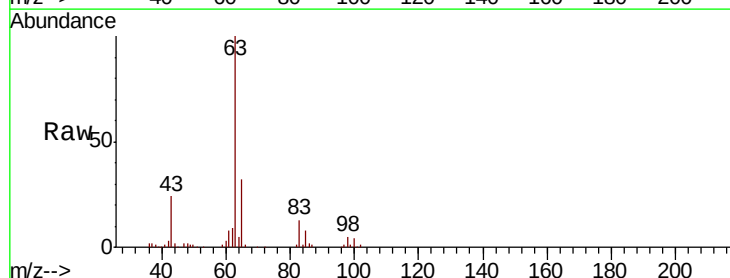
Tgt Ion: 63 Resp: 382355

Ion Ratio Lower Upper

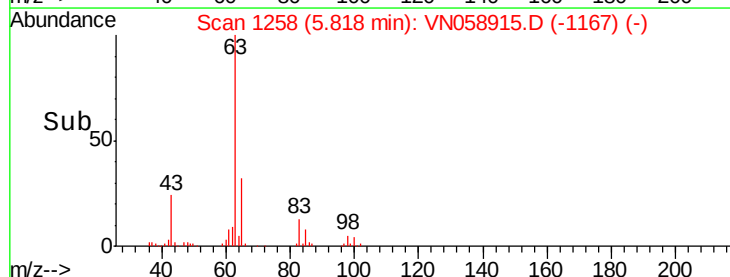
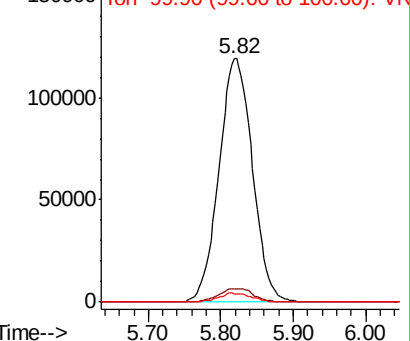
63 100

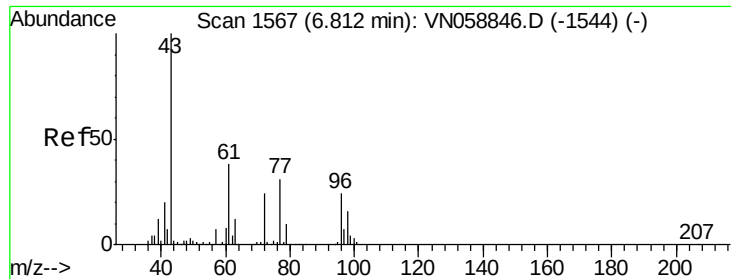
98 5.5 2.8 8.4

100 3.5 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)





#25

2-Butanone

Concen: 254.517 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

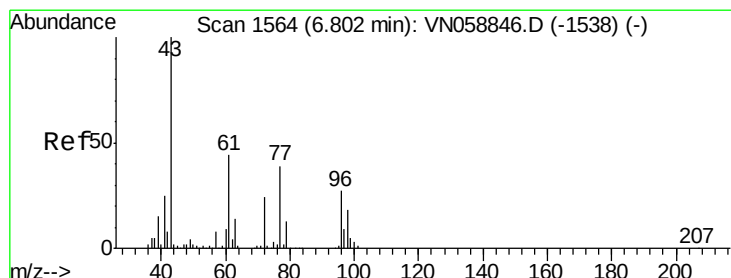
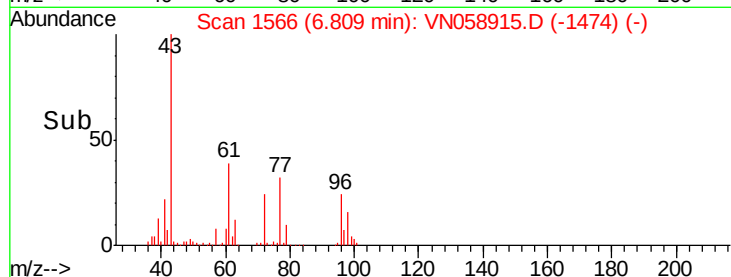
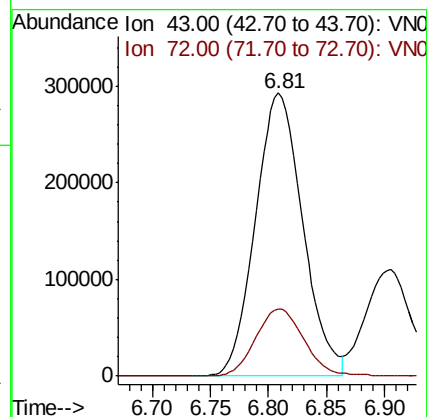
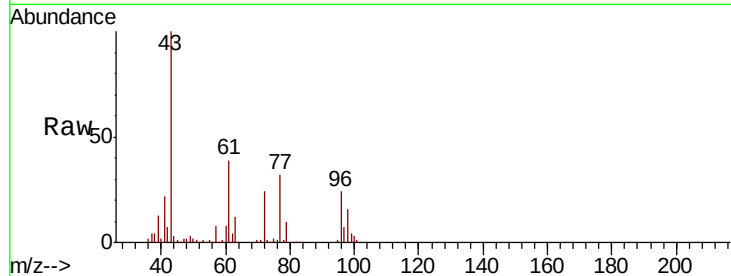
VSTDCCC050

Tot Ion: 43 Resp: 830205

Ion Ratio Lower Upper

43 100

72 23.9 19.1 28.7



#26

2,2-Dichloropropane

Concen: 48.961 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058915.D

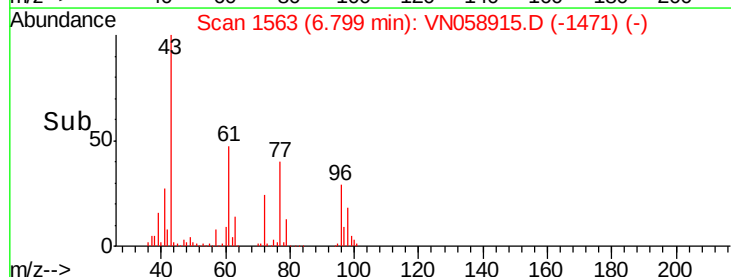
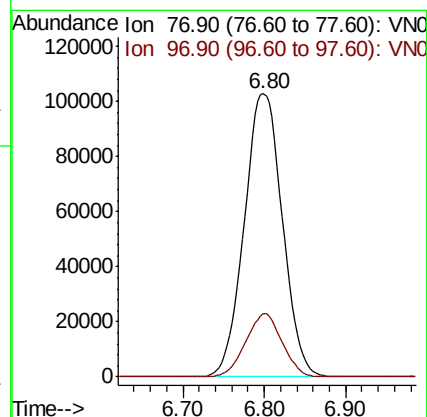
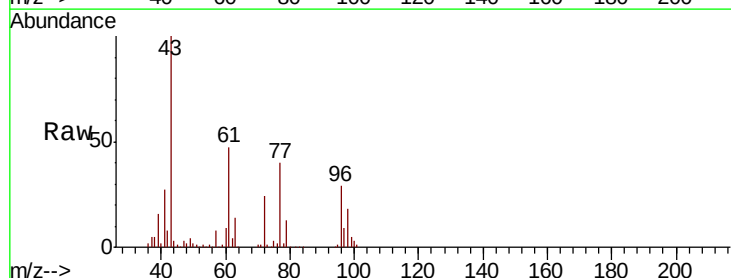
Acq: 23 Oct 2019 9:31

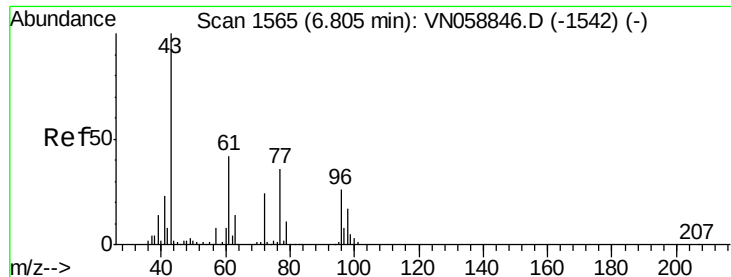
Tgt Ion: 77 Resp: 332208

Ion Ratio Lower Upper

77 100

97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.108 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

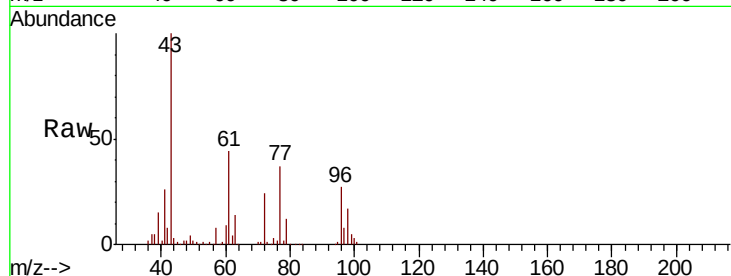
Tot Ion: 96 Resp: 216067

Ion Ratio Lower Upper

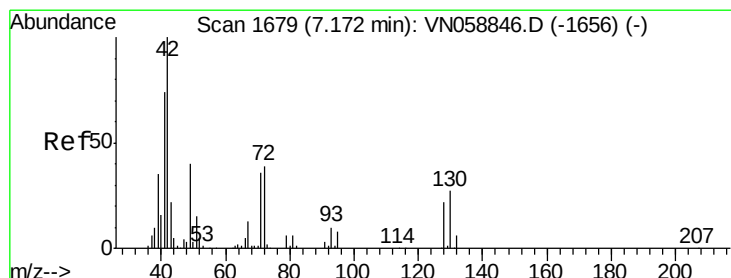
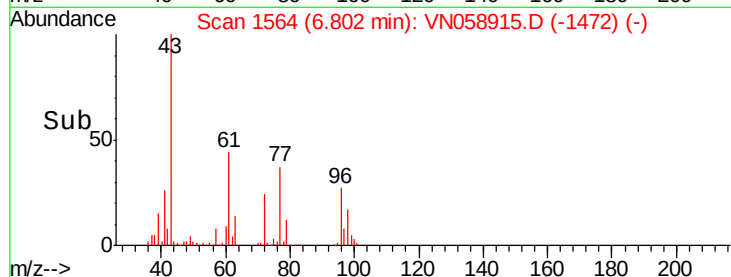
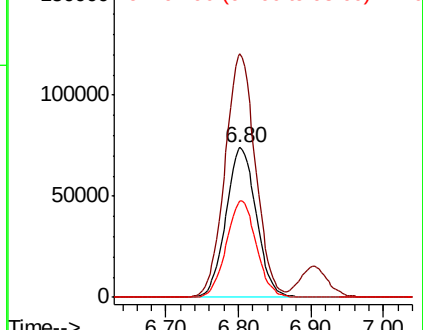
96 100

61 162.4 0.0 325.0

98 63.5 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.639 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

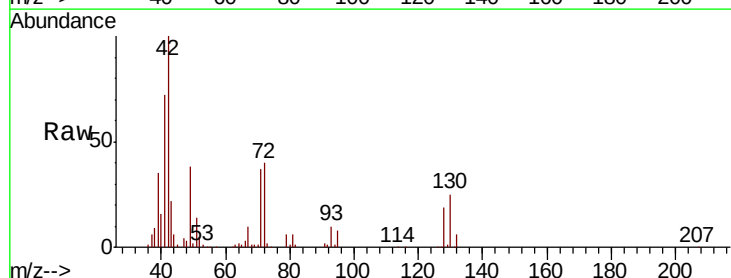
Tgt Ion: 49 Resp: 129682

Ion Ratio Lower Upper

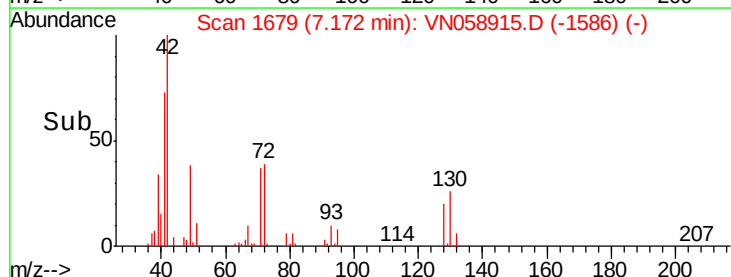
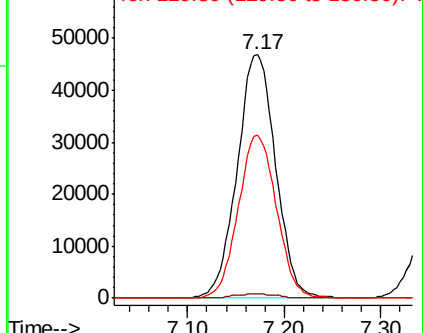
49 100

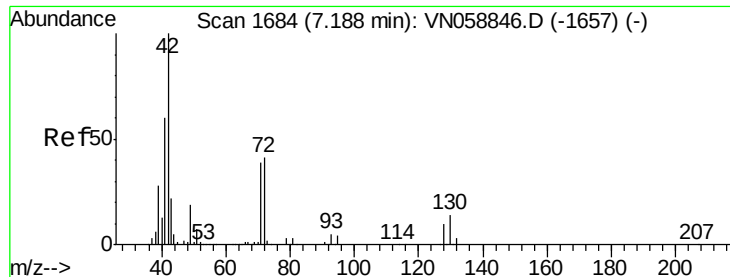
129 1.8 0.0 3.2

130 66.3 53.5 80.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 245.056 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

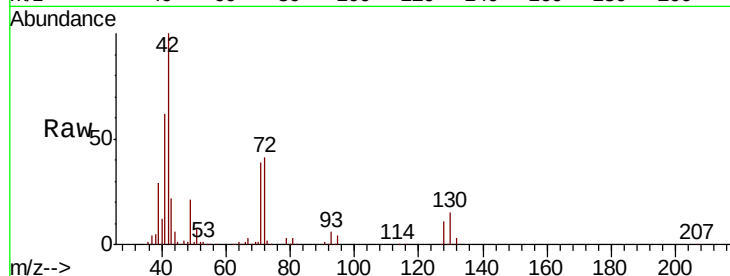
Tot Ion: 42 Resp: 488986

Ion Ratio Lower Upper

42 100

72 40.3 32.2 48.2

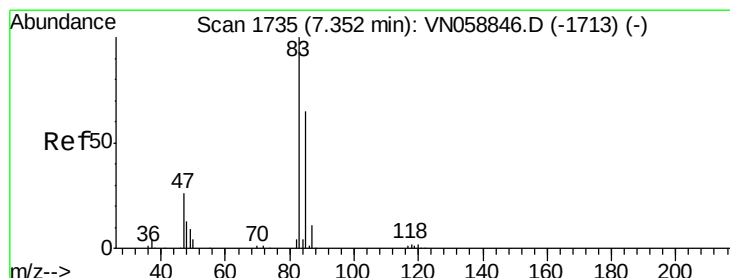
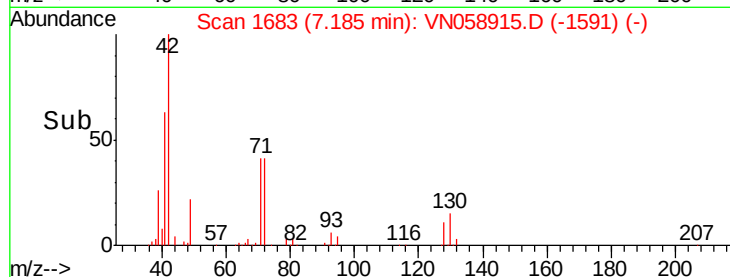
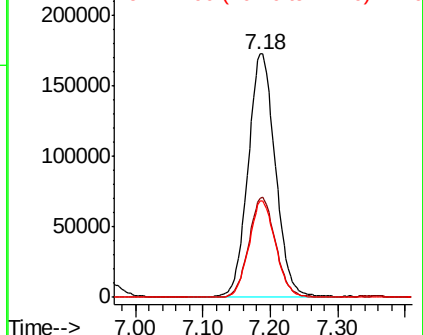
71 38.4 30.6 45.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.488 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN058915.D

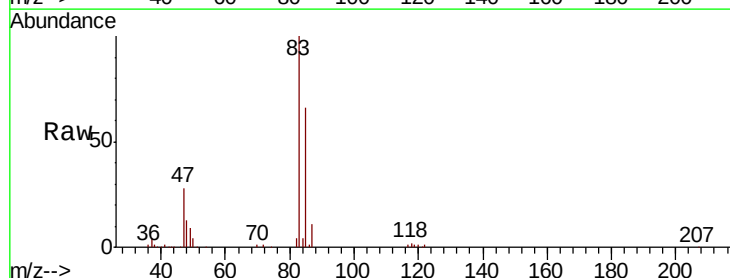
Acq: 23 Oct 2019 9:31

Tgt Ion: 83 Resp: 381535

Ion Ratio Lower Upper

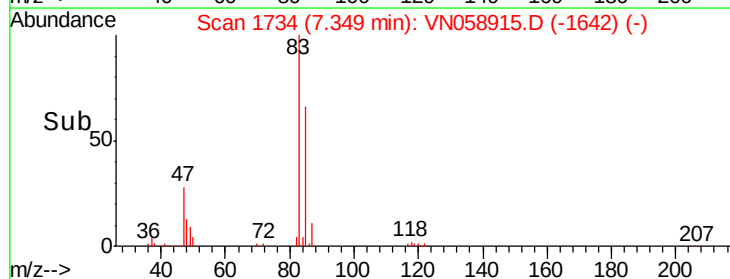
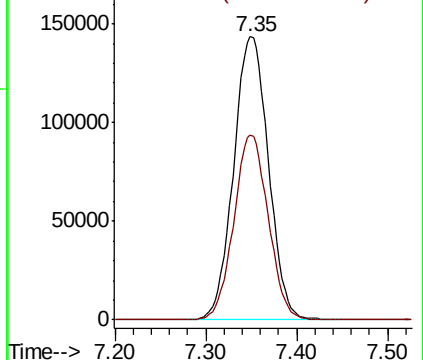
83 100

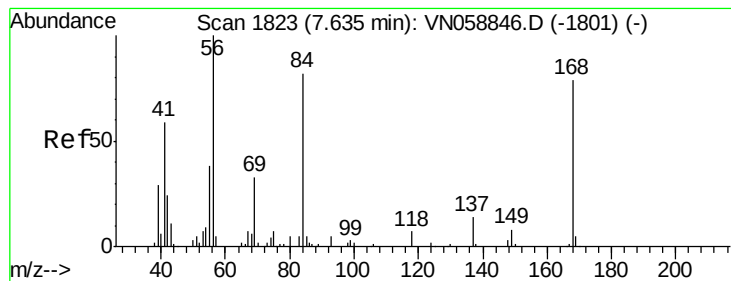
85 65.5 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.679 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

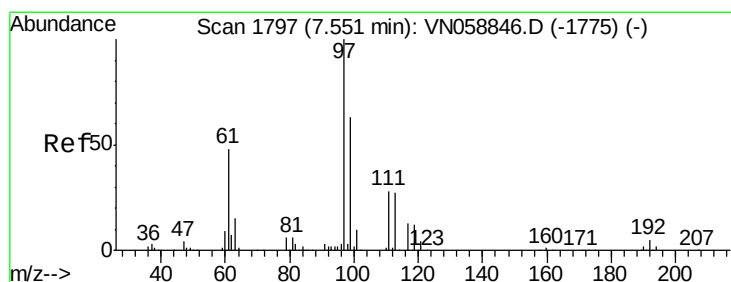
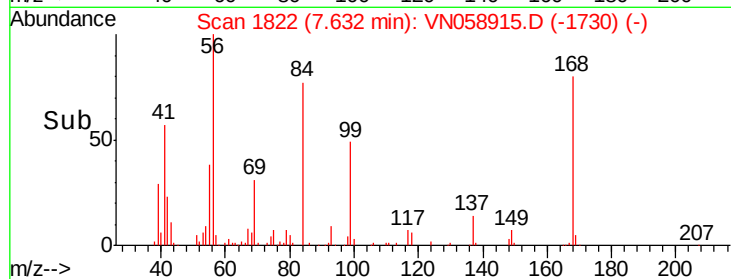
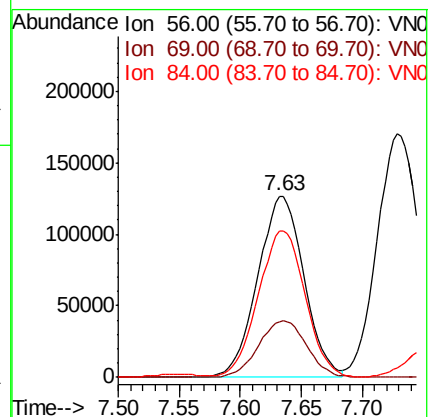
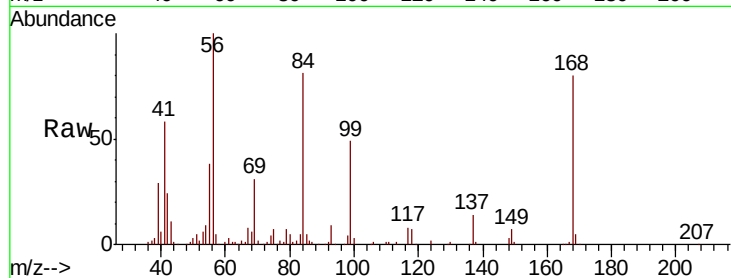
Tot Ion: 56 Resp: 333818

Ion Ratio Lower Upper

56 100

69 30.9 26.2 39.4

84 79.3 65.6 98.4



#32

1,1,1-Trichloroethane

Concen: 49.296 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

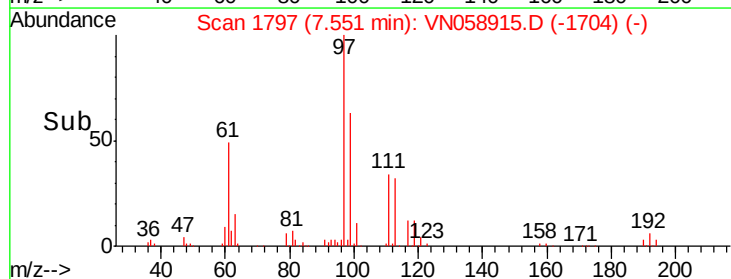
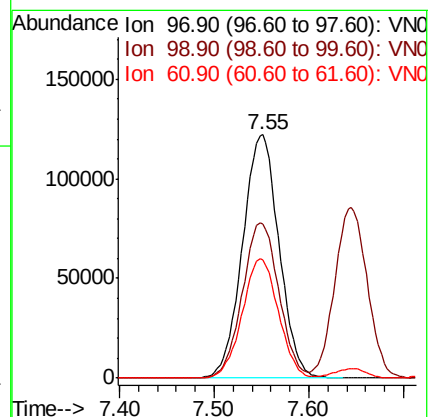
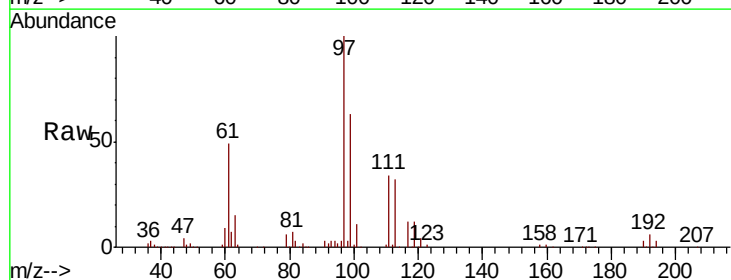
Tgt Ion: 97 Resp: 326954

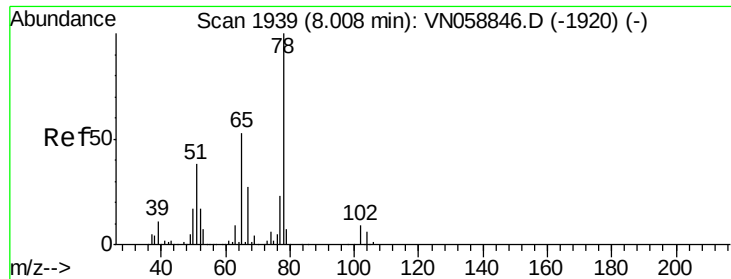
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 48.7 38.6 58.0

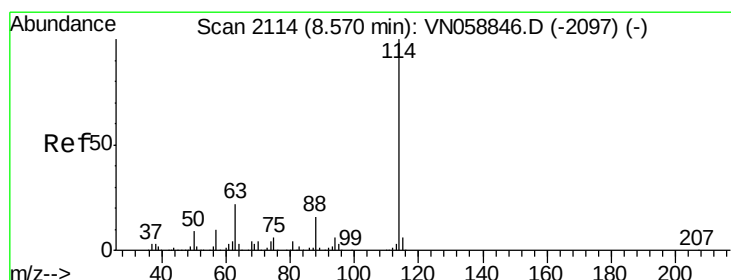
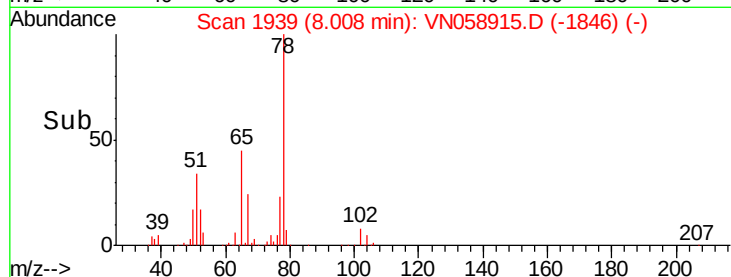
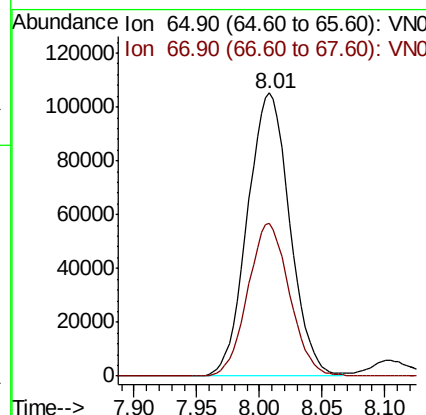
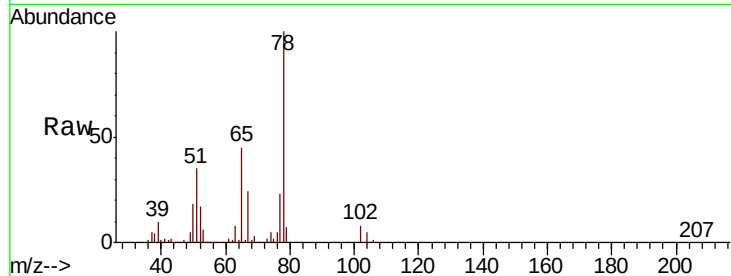




#33
 1,2-Dichloroethane-d4
 Concen: 48.663 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

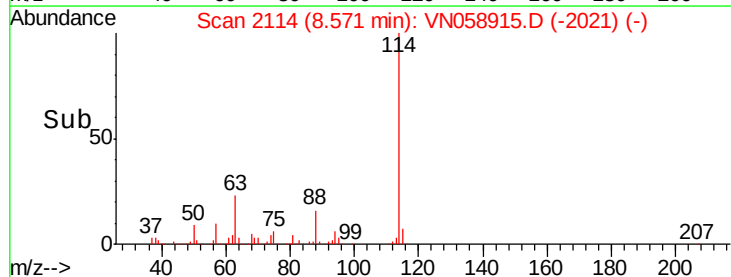
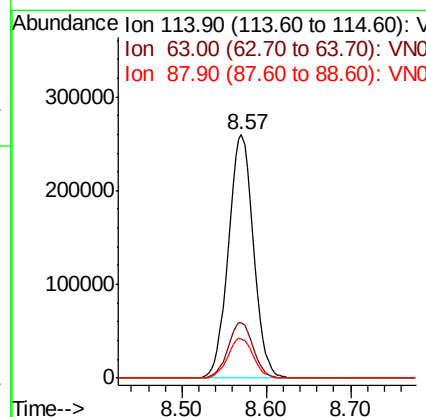
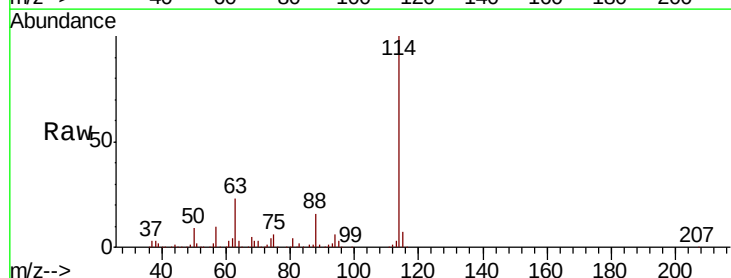
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

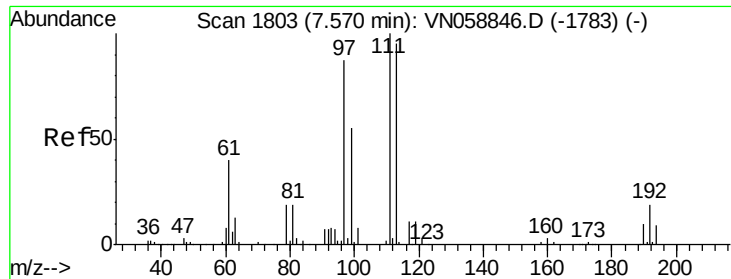
Tot Ion: 65 Resp: 247463
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion: 114 Resp: 533859
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.4
 88 16.1 0.0 31.4

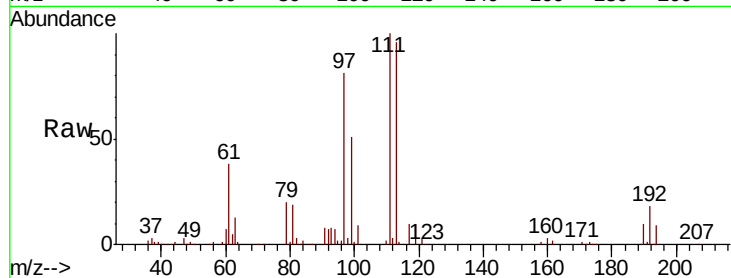




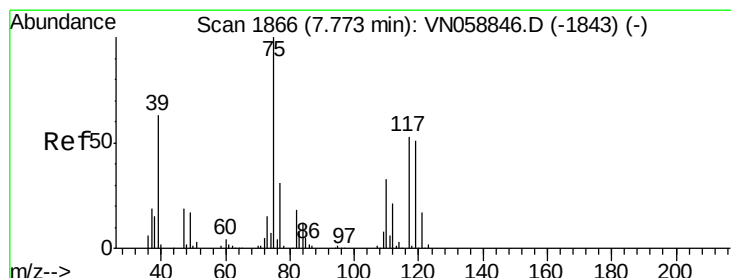
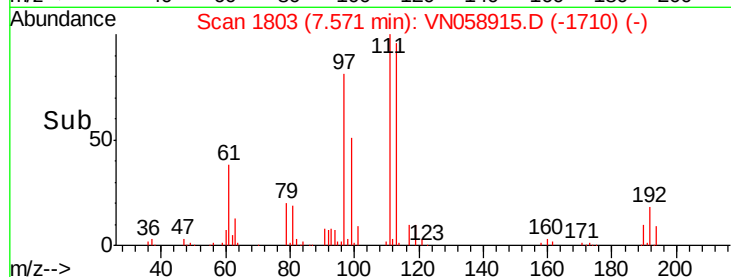
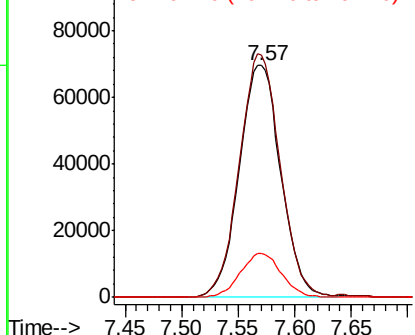
#35
 Dibromofluoromethane
 Concen: 50.670 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.0	123.0
192	18.8	15.0	22.6

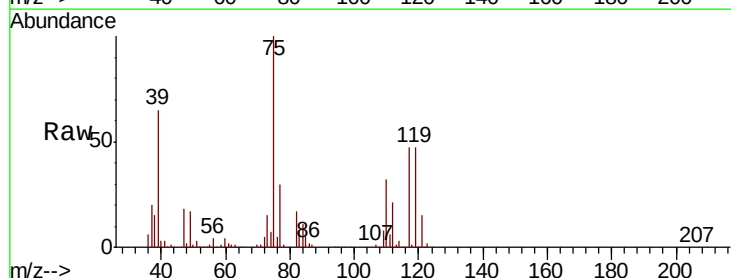


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

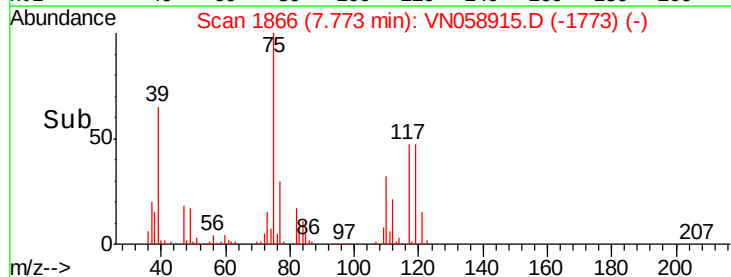
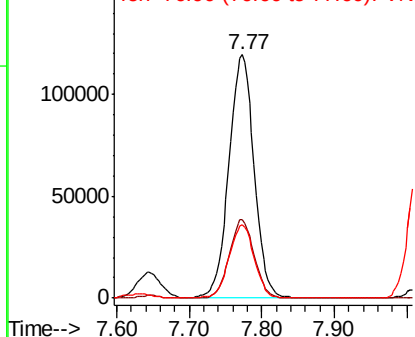


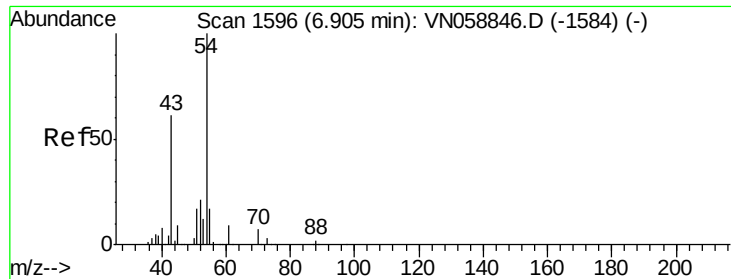
#36
 1,1-Dichloropropene
 Concen: 52.928 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.2	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

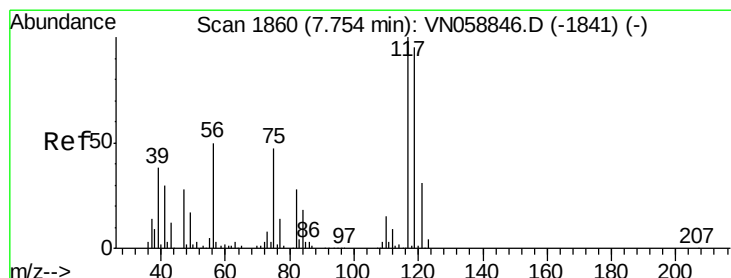
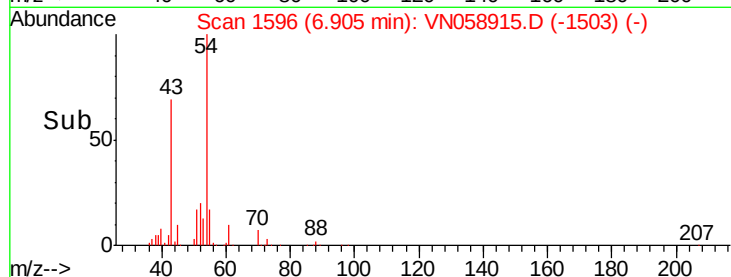
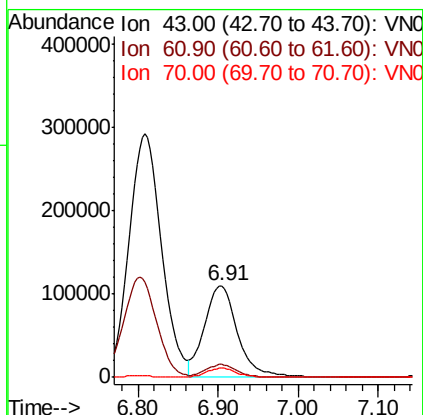
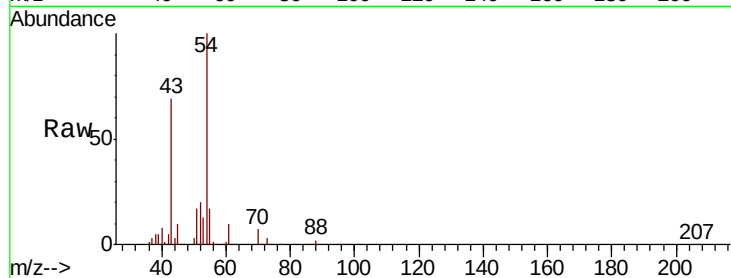




#37
Ethyl Acetate
Concen: 52.801 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

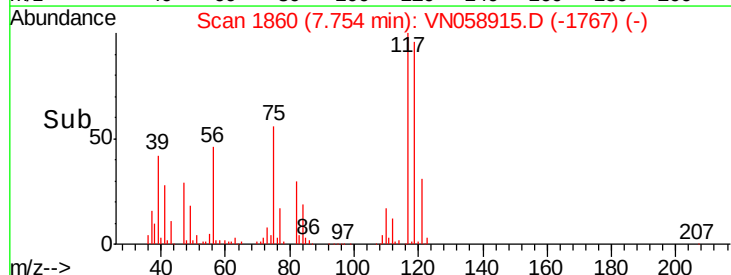
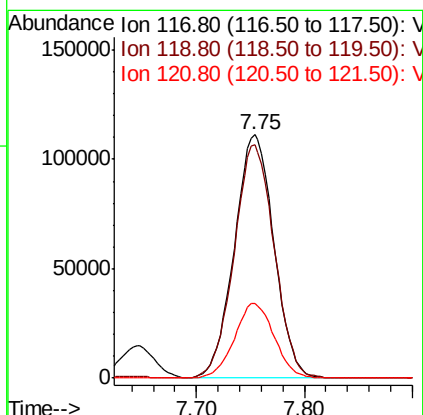
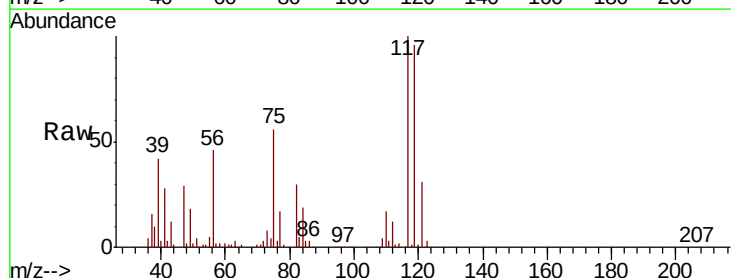
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

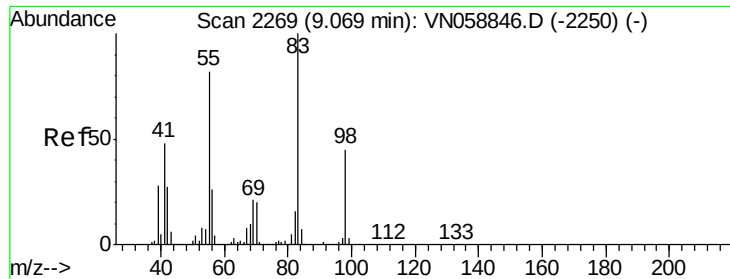
Tot Ion: 43 Resp: 314451
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.551 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 117 Resp: 284631
Ion Ratio Lower Upper
117 100
119 95.5 75.7 113.5
121 30.5 25.0 37.6

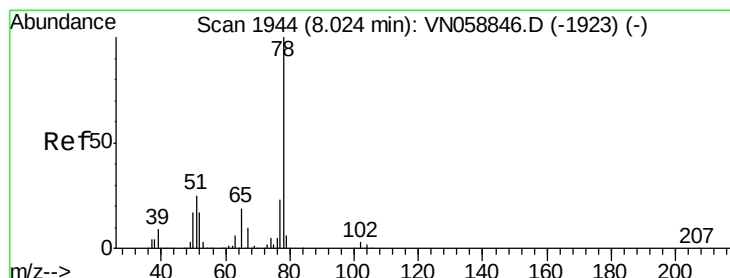
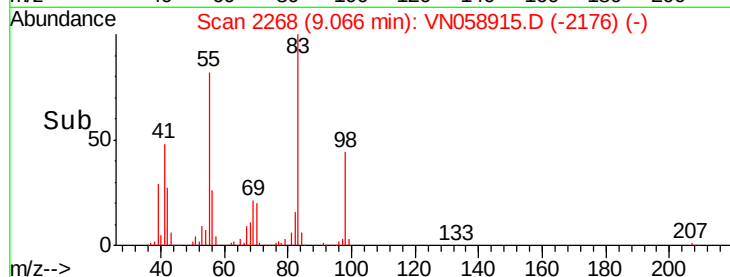
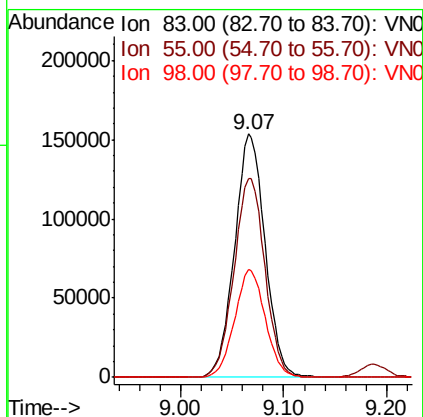
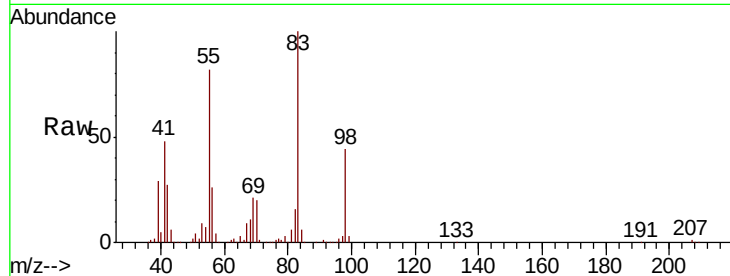




#39
Methylvlcyclohexane
Concen: 51.510 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

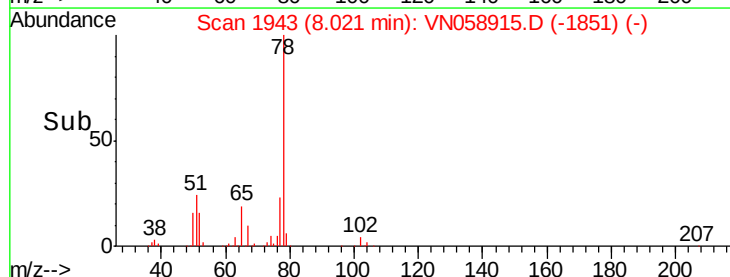
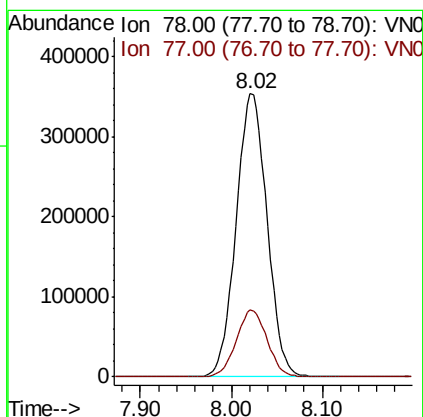
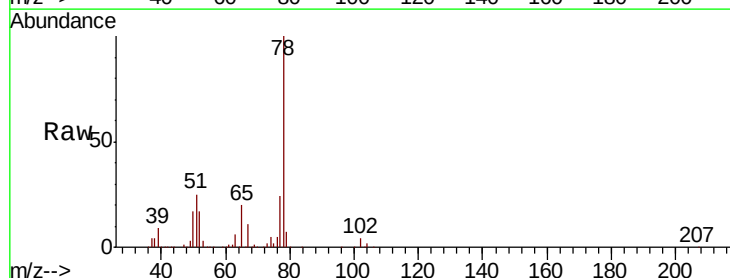
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

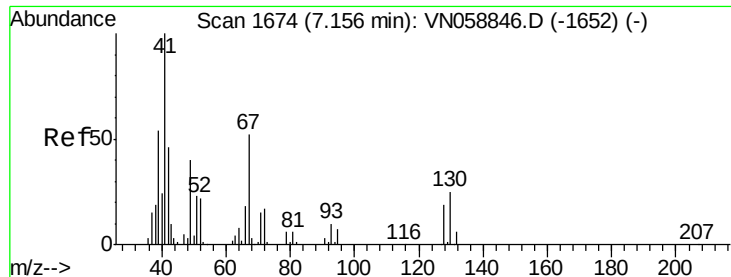
Tot Ion: 83 Resp: 316120
Ion Ratio Lower Upper
83 100
55 81.9 65.5 98.3
98 44.2 35.7 53.5



#40
Benzene
Concen: 52.051 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 78 Resp: 835396
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2

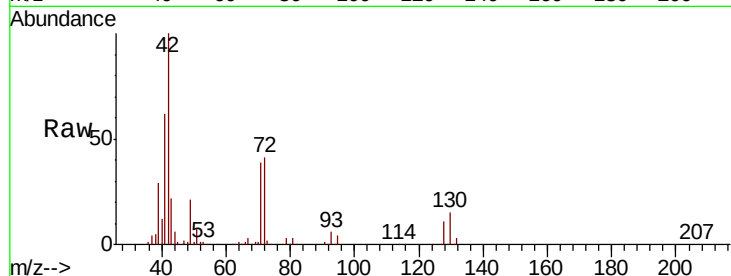




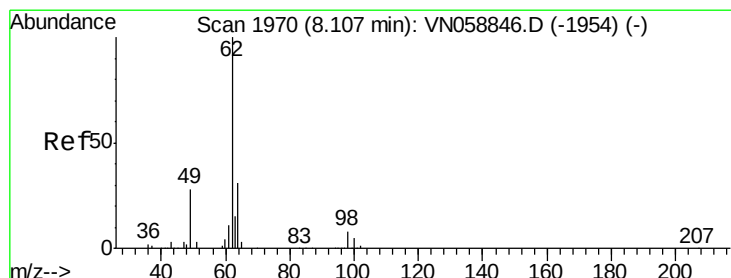
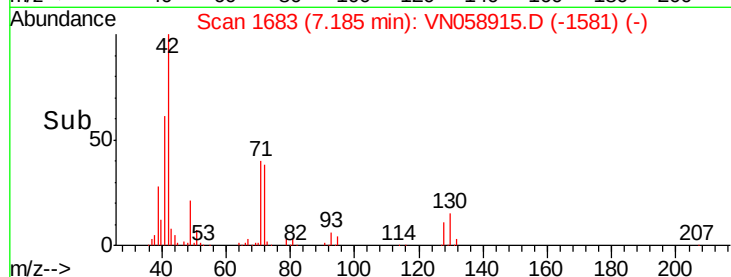
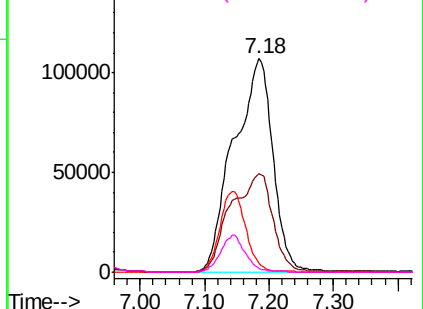
#41
Methacrylonitrile
Concen: 170.658 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	452657
Ion	Ratio	Lower	Upper
41	100		
39	49.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

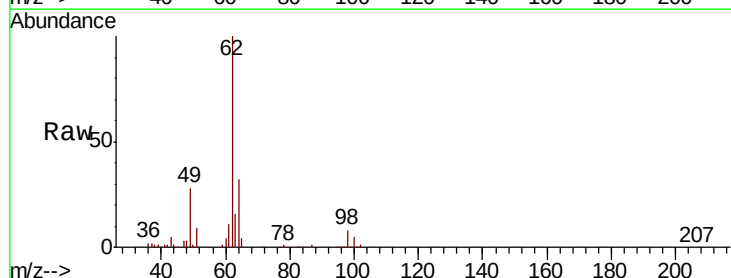


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

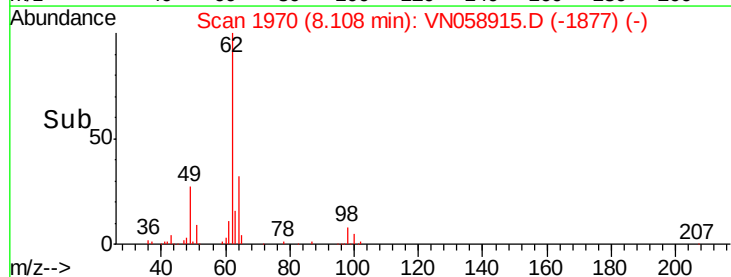
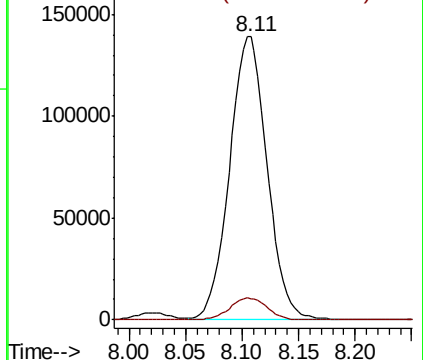


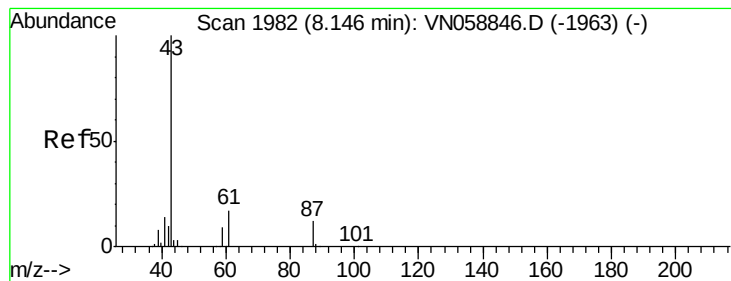
#42
1,2-Dichloroethane
Concen: 51.652 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion:	62	Resp:	319342
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.099 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

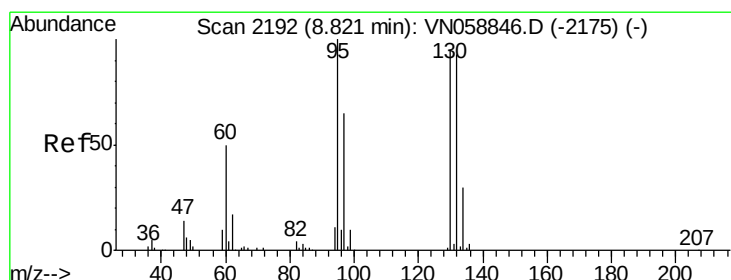
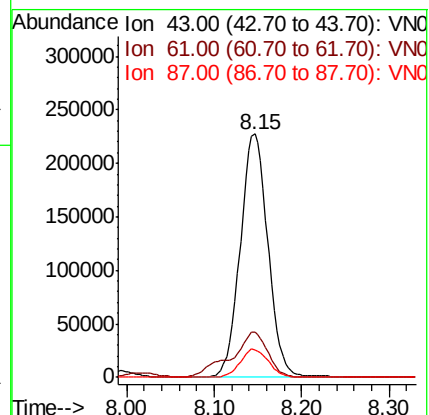
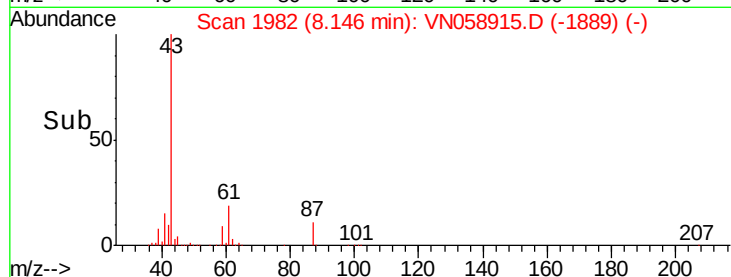
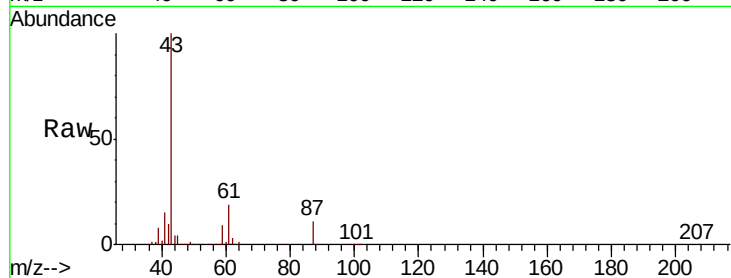
Tot Ion: 43 Resp: 497605

Ion Ratio Lower Upper

43 100

61 24.6 20.2 30.2

87 11.7 9.5 14.3



#44

Trichloroethene

Concen: 51.595 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN058915.D

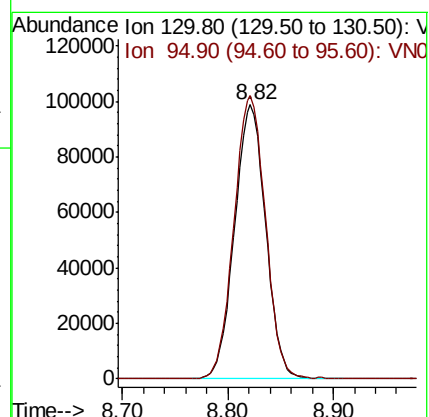
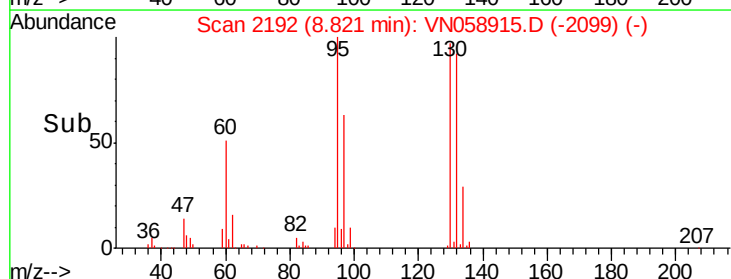
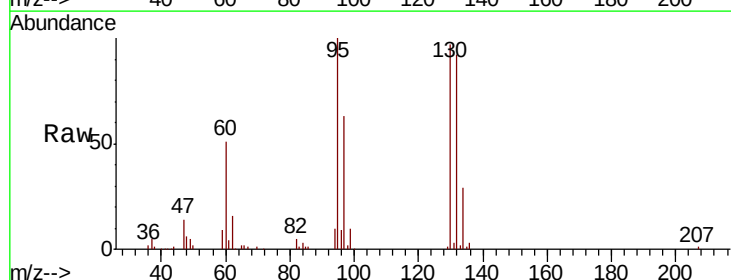
Acq: 23 Oct 2019 9:31

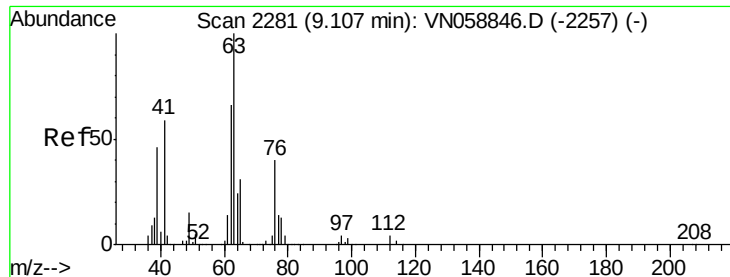
Tgt Ion: 130 Resp: 201720

Ion Ratio Lower Upper

130 100

95 103.3 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.200 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

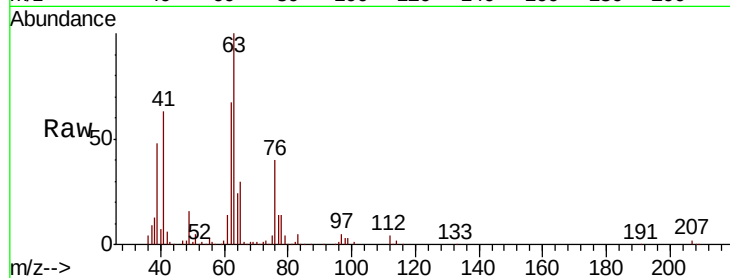
VSTDCCC050

Tot Ion: 63 Resp: 229735

Ion Ratio Lower Upper

63 100

65 30.1 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

120000

100000

80000

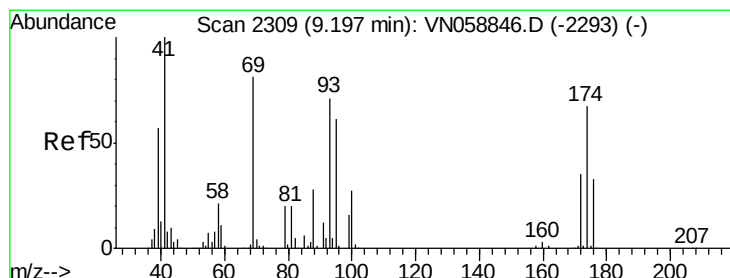
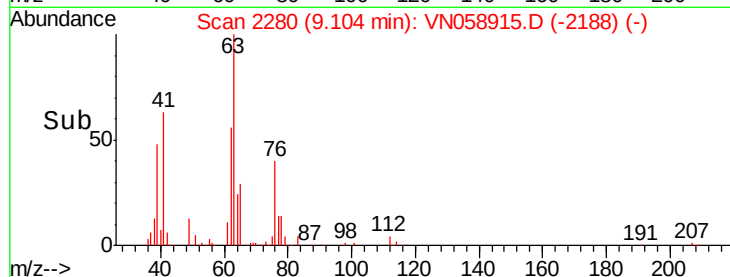
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.136 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

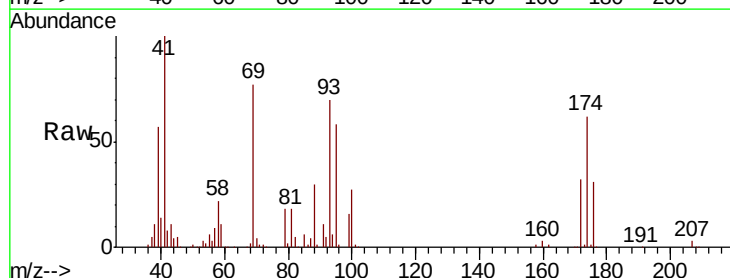
Tgt Ion: 93 Resp: 145054

Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

174 90.8 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

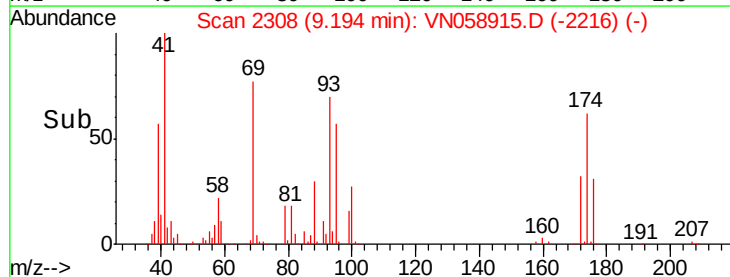
60000

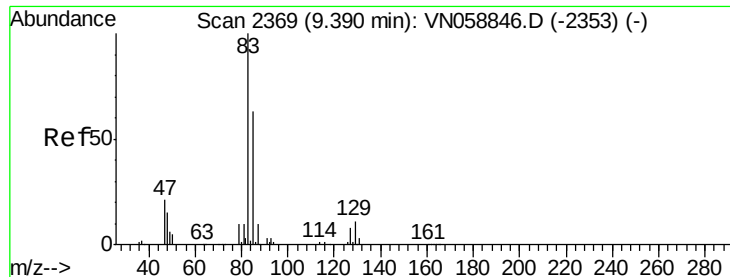
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.799 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

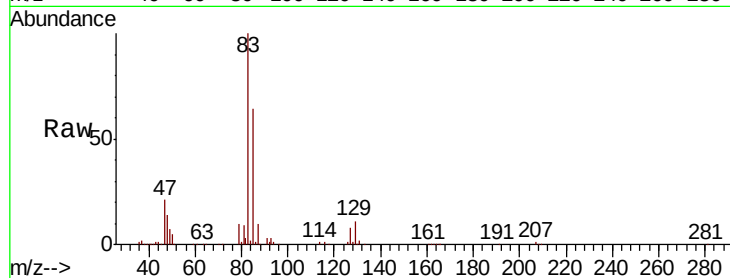
Tot Ion: 83 Resp: 302769

Ion Ratio Lower Upper

83 100

85 63.6 50.6 75.8

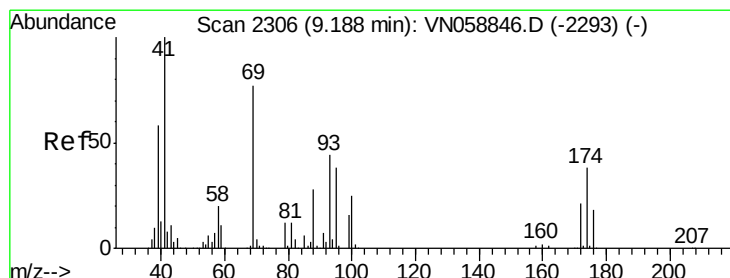
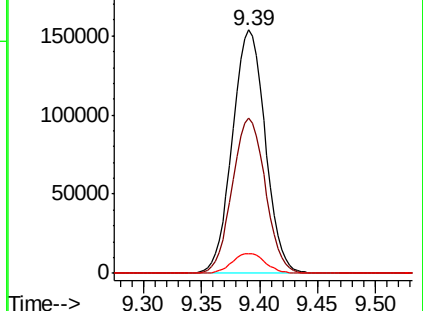
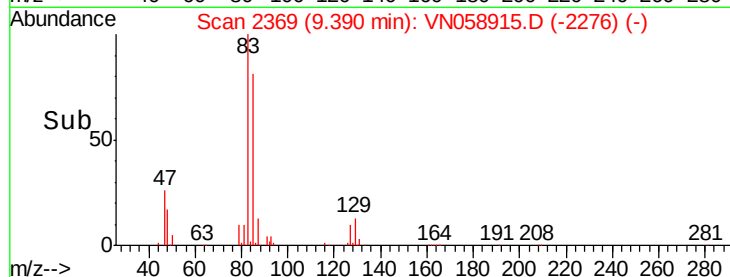
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058915.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058915.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058915.D (-2276) (-)



#48

Methyl methacrylate

Concen: 53.324 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

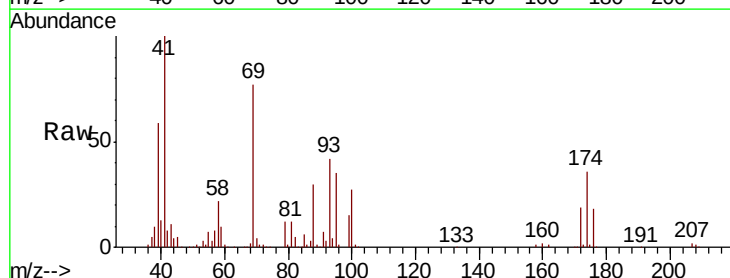
Tgt Ion: 41 Resp: 231075

Ion Ratio Lower Upper

41 100

69 77.8 63.8 95.6

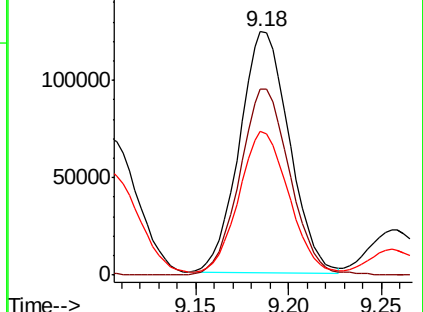
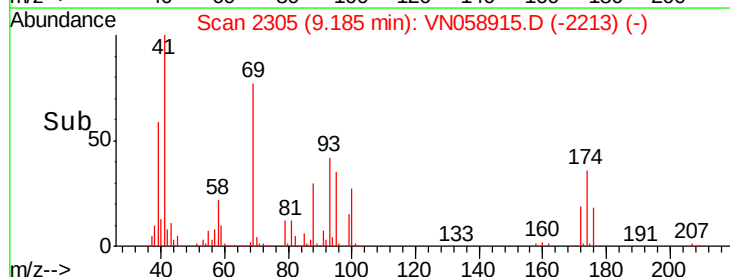
39 59.9 47.8 71.8

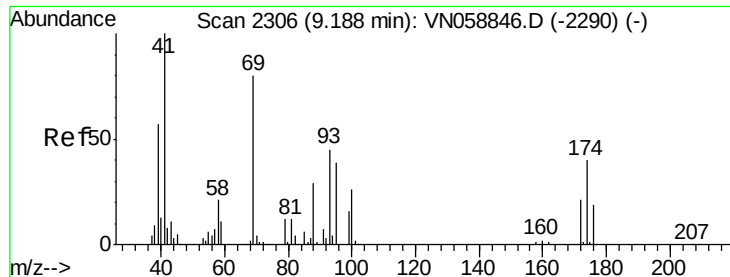


Abundance Ion 41.00 (40.70 to 41.70): VN058915.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058915.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058915.D (-2213) (-)

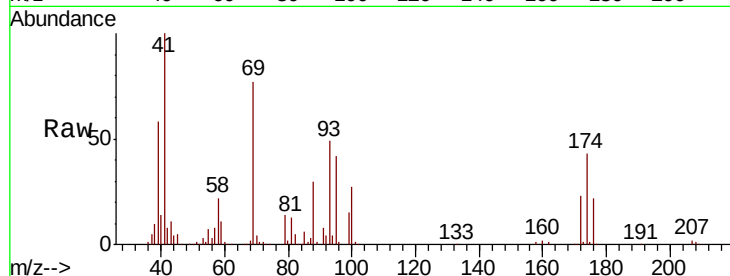




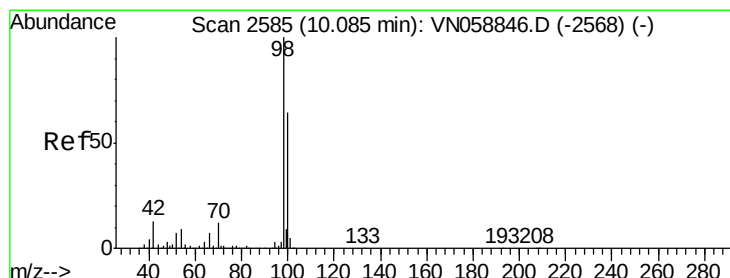
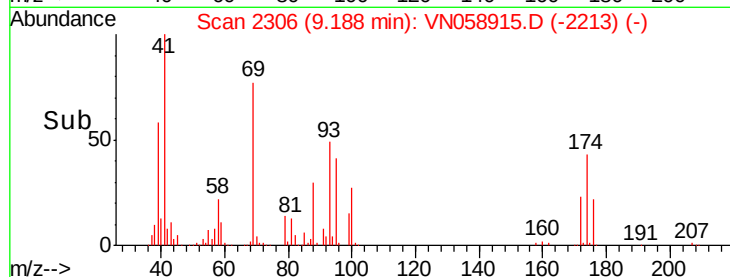
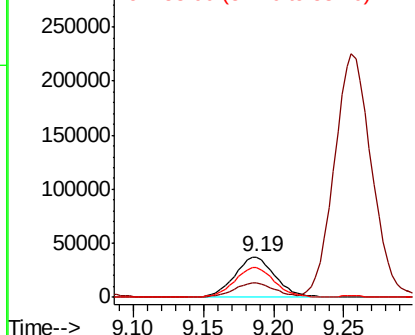
#49
1,4-Dioxane
Concen: 1058.256 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 75280
Ion Ratio Lower Upper
88 100
43 36.2 29.1 43.7
58 73.4 59.4 89.0

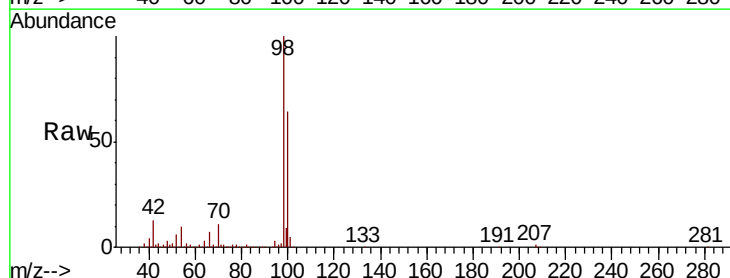


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

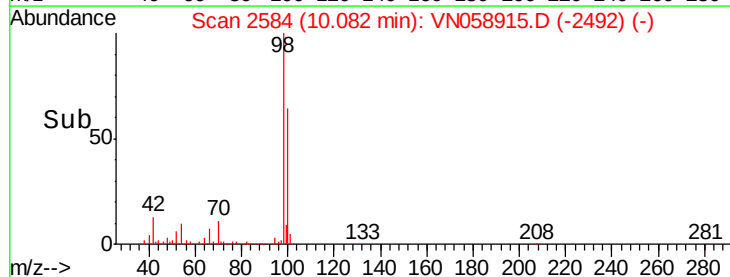
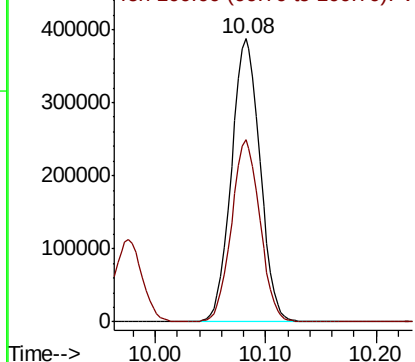


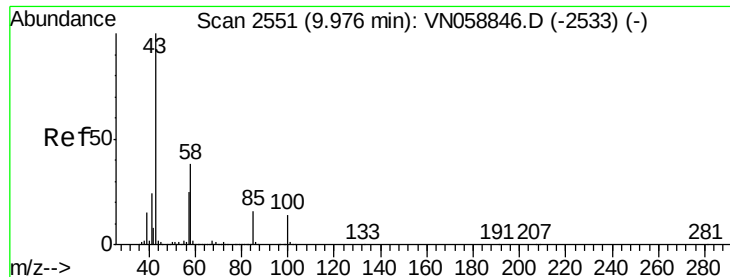
#50
Toluene-d8
Concen: 51.137 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 98 Resp: 696750
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 279.767 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

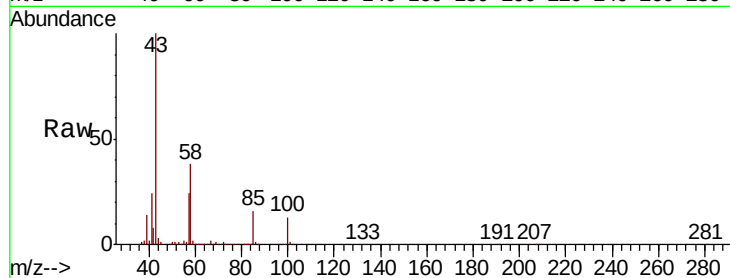
VSTDCCC050

Tot Ion: 43 Resp: 1560759

Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

800000

600000

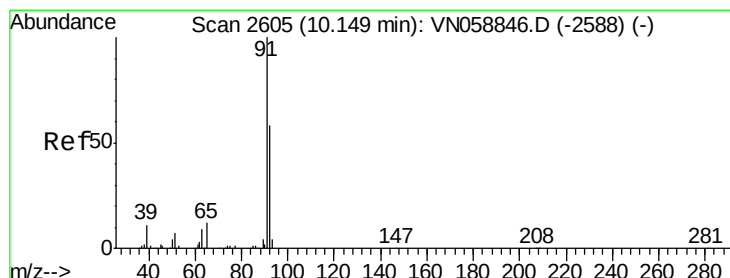
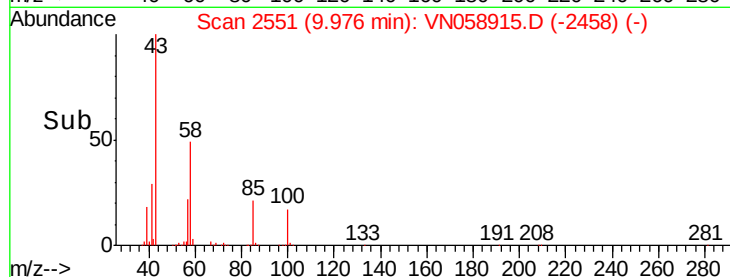
400000

200000

0

Time-->

9.90 10.00



#52

Toluene

Concen: 53.841 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058915.D

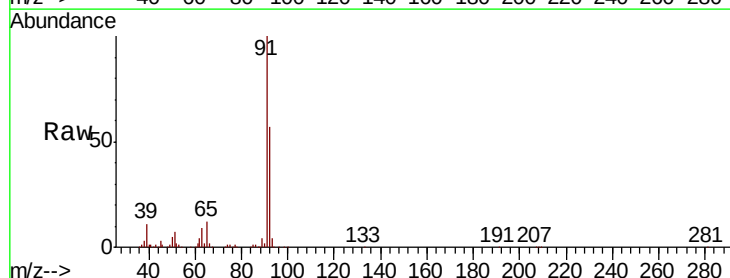
Acq: 23 Oct 2019 9:31

Tgt Ion: 92 Resp: 512444

Ion Ratio Lower Upper

92 100

91 175.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

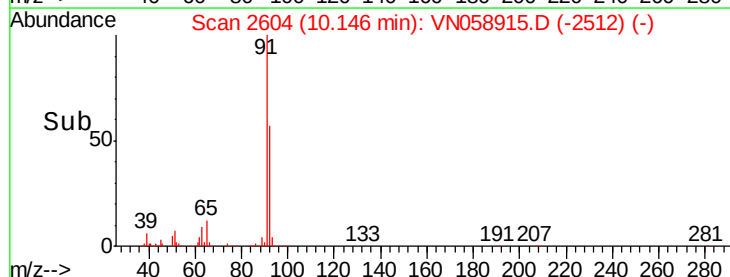
200000

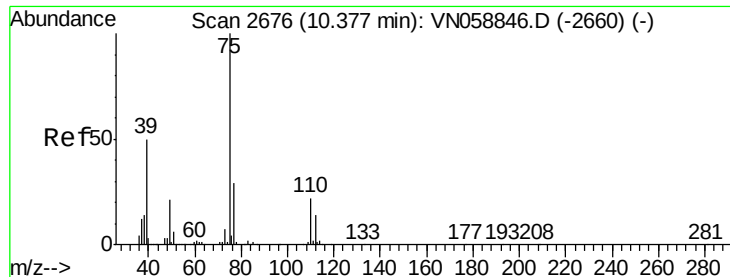
100000

0

Time-->

10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 53.069 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

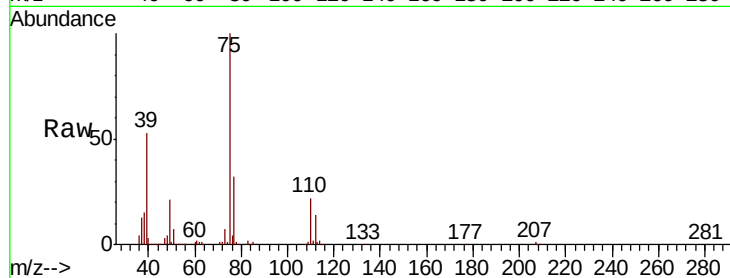
VSTDCCC050

Tot Ion: 75 Resp: 336886

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

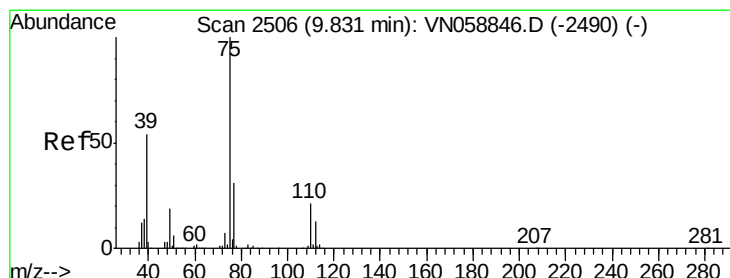
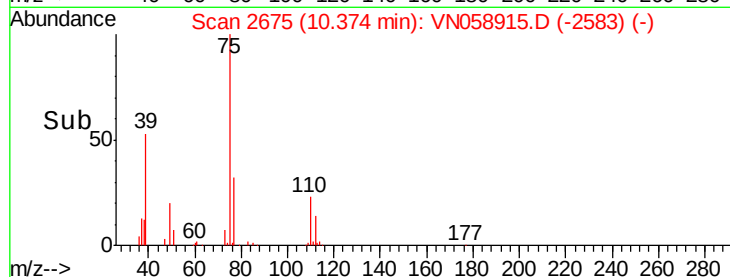
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.321 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

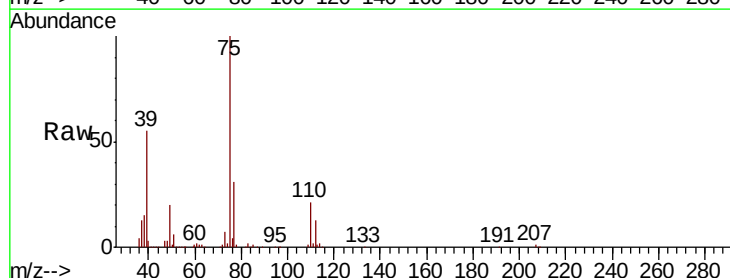
Tgt Ion: 75 Resp: 361628

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 55.3 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

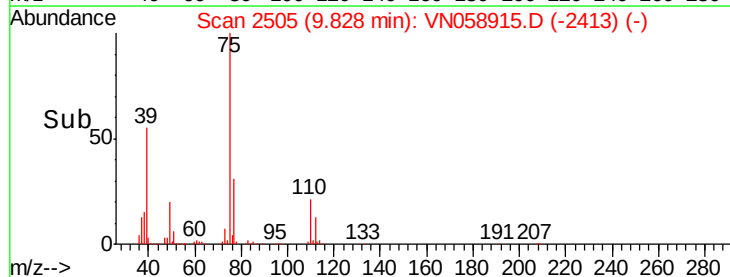
150000

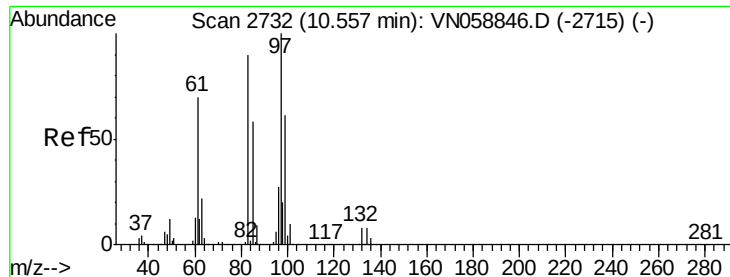
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.409 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 201566

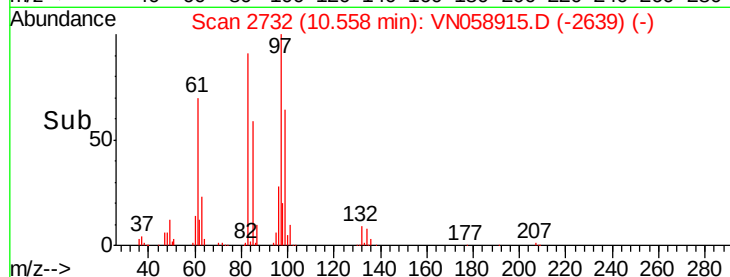
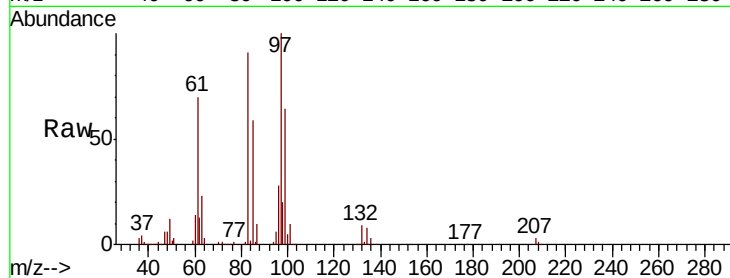
Ion Ratio Lower Upper

97 100

83 90.8 72.2 108.4

85 59.4 46.2 69.2

99 64.4 48.7 73.1

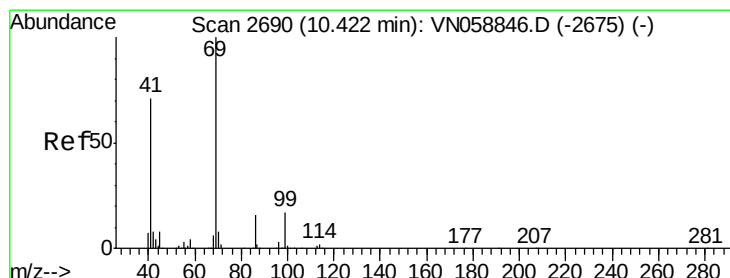
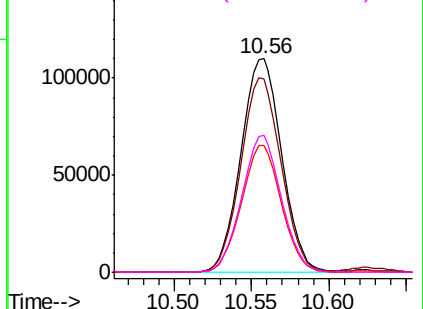


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.227 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

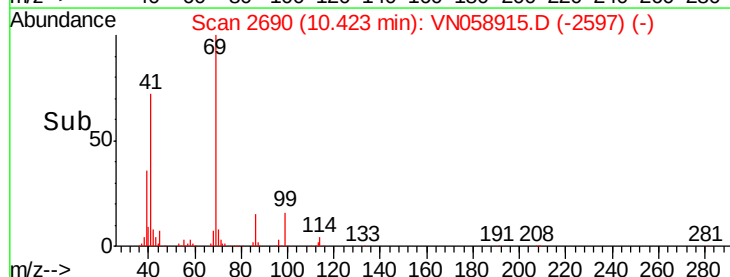
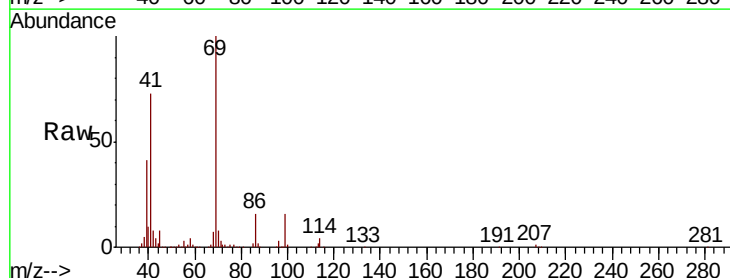
Tgt Ion: 69 Resp: 317120

Ion Ratio Lower Upper

69 100

41 71.9 57.2 85.8

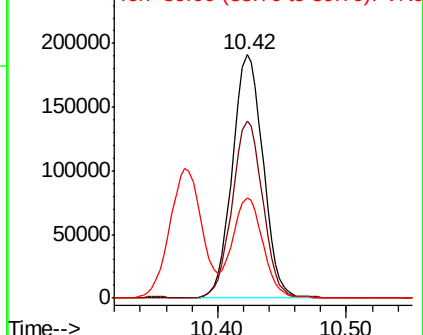
39 40.9 31.0 46.4

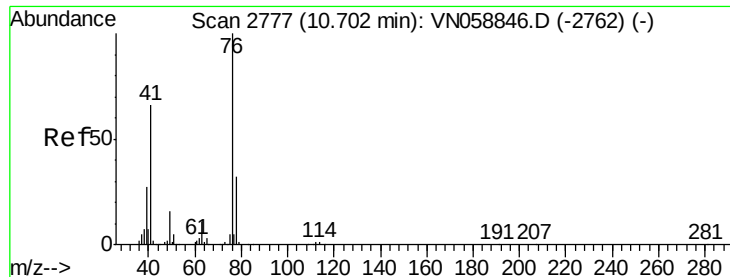


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.758 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

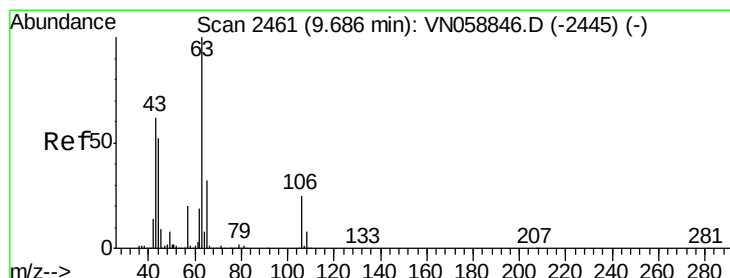
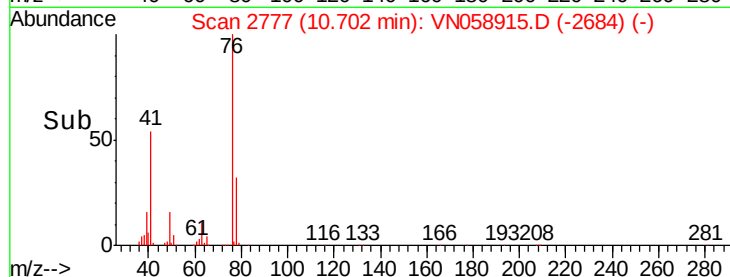
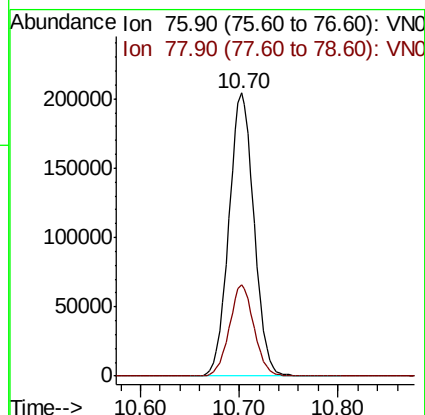
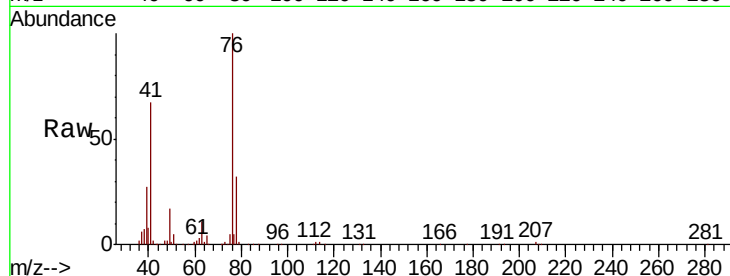
VSTDCCC050

Tot Ion: 76 Resp: 363053

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 242.599 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058915.D

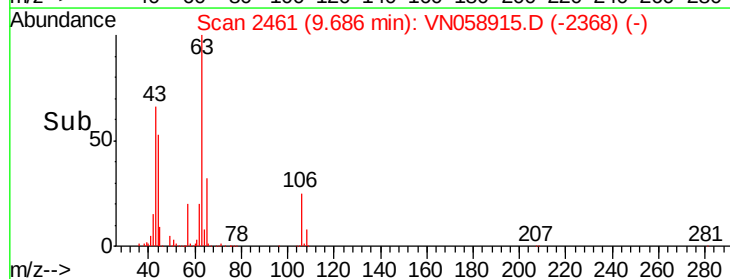
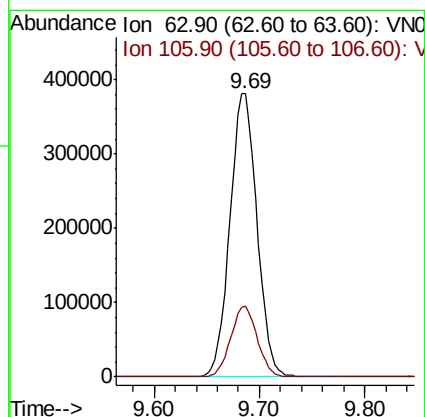
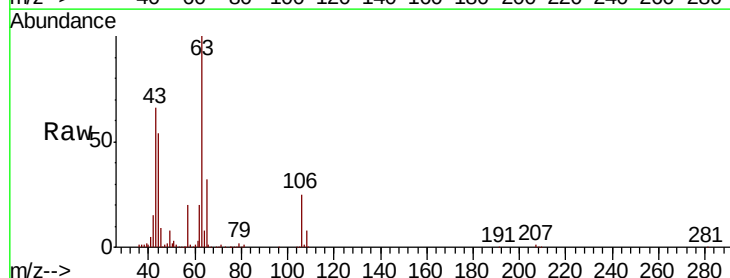
Acq: 23 Oct 2019 9:31

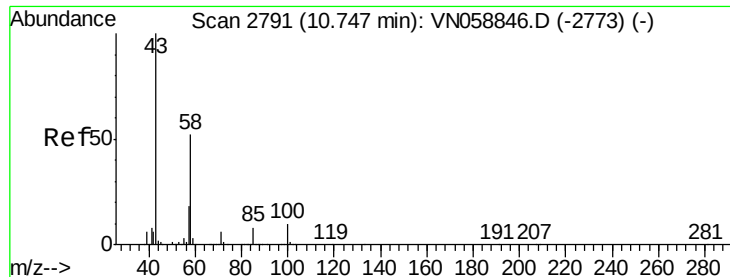
Tgt Ion: 63 Resp: 674228

Ion Ratio Lower Upper

63 100

106 24.6 19.8 29.8

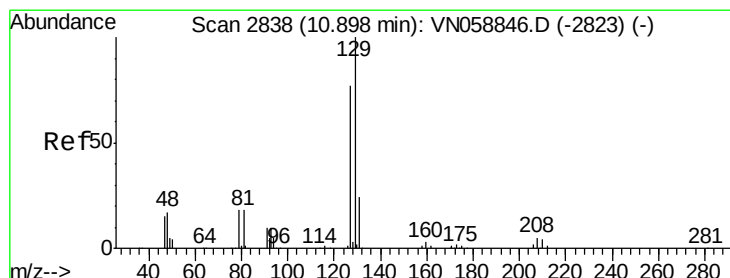
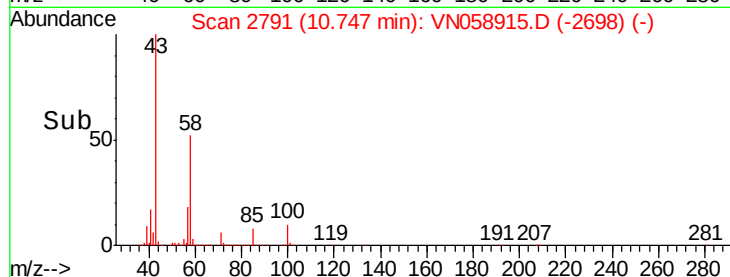
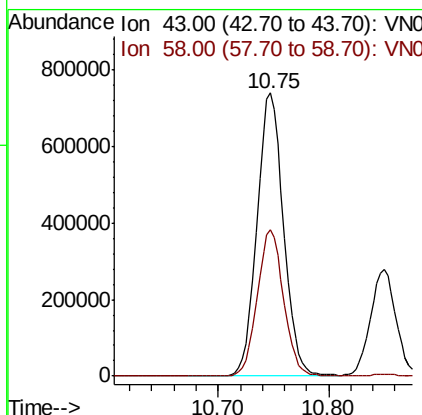
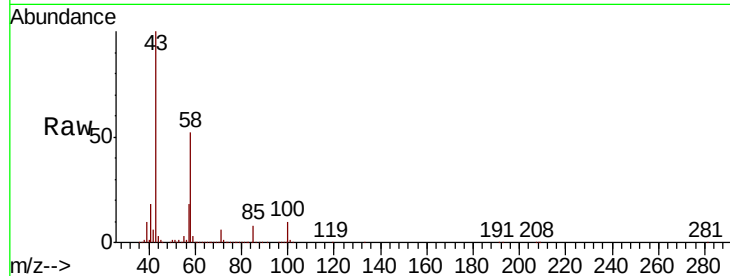




#59
 2-Hexanone
 Concen: 285.203 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

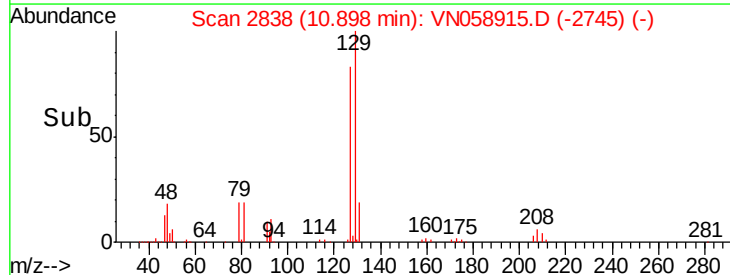
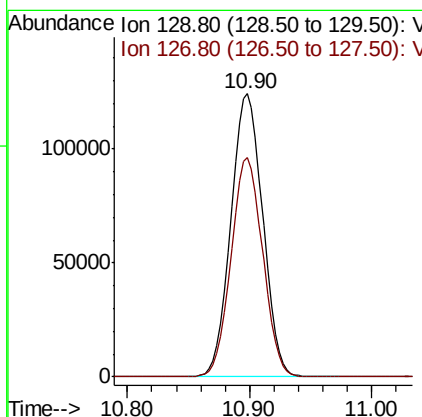
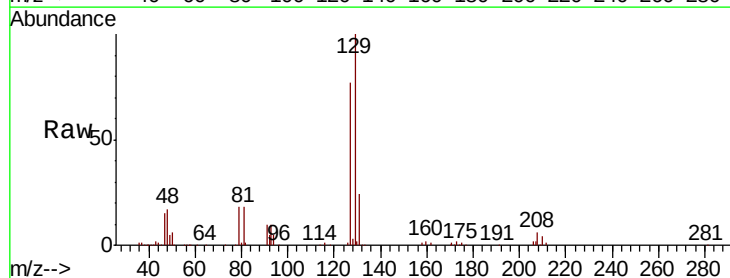
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

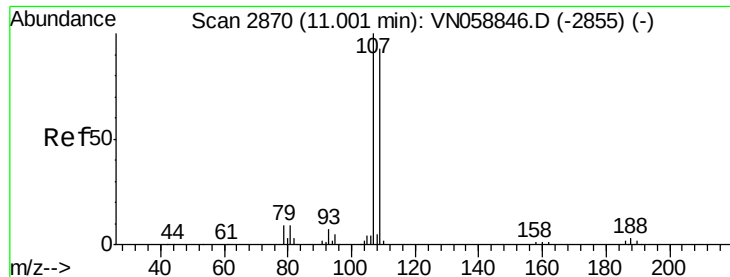
Tot Ion: 43 Resp: 1229485
 Ion Ratio Lower Upper
 43 100
 58 51.5 25.9 77.7



#60
 Dibromochloromethane
 Concen: 53.399 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion: 129 Resp: 225356
 Ion Ratio Lower Upper
 129 100
 127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.797 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

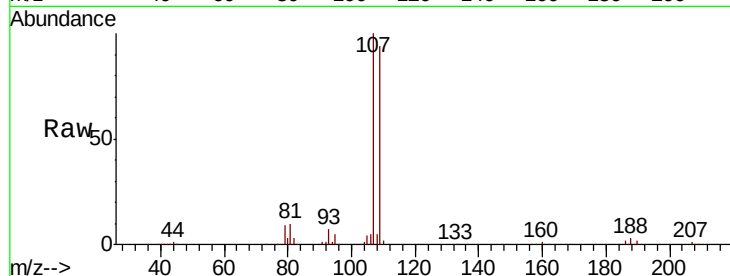
VSTDCCC050

Tot Ion:107 Resp: 211850

Ion Ratio Lower Upper

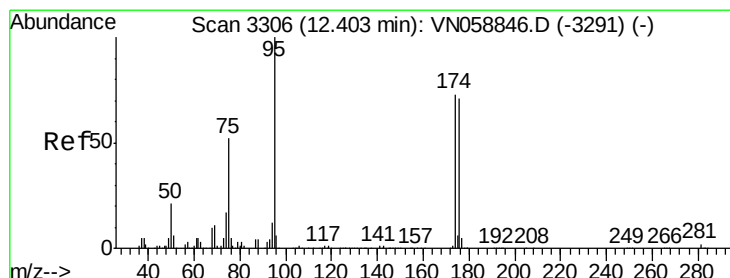
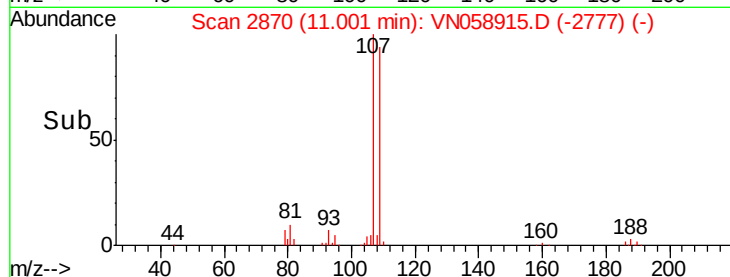
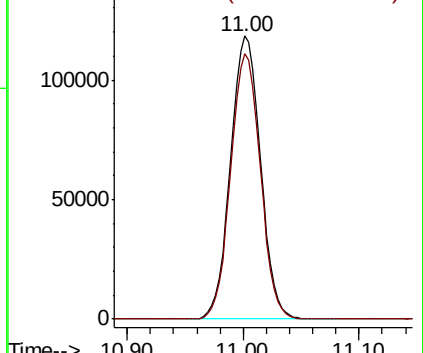
107 100

109 92.8 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.918 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

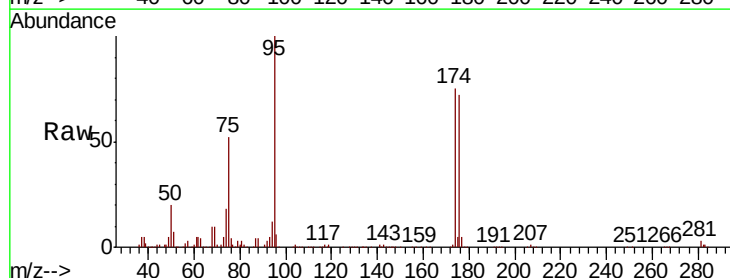
Tgt Ion: 95 Resp: 259776

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.6

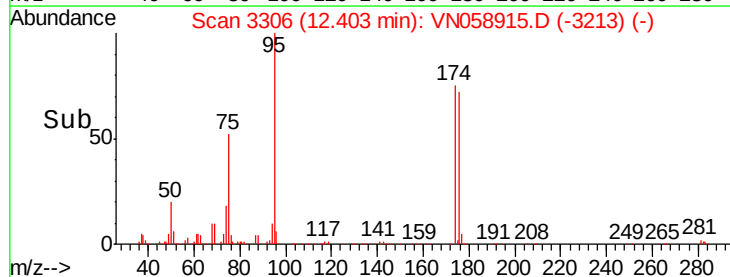
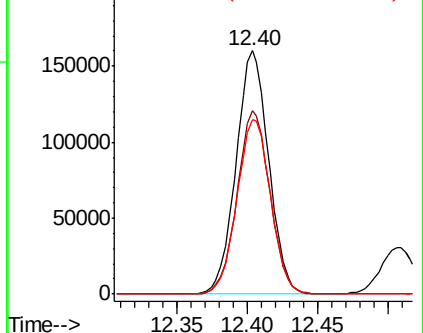
176 73.9 0.0 143.2

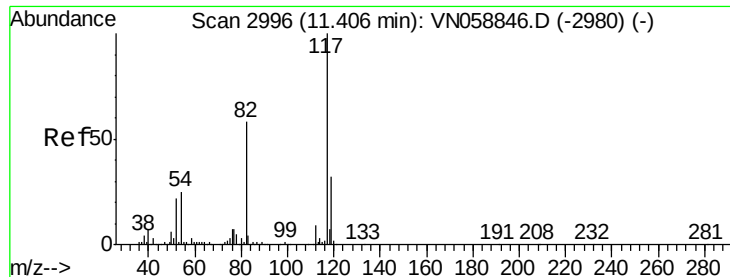


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

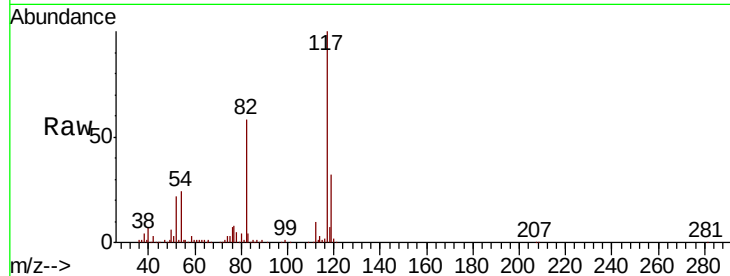




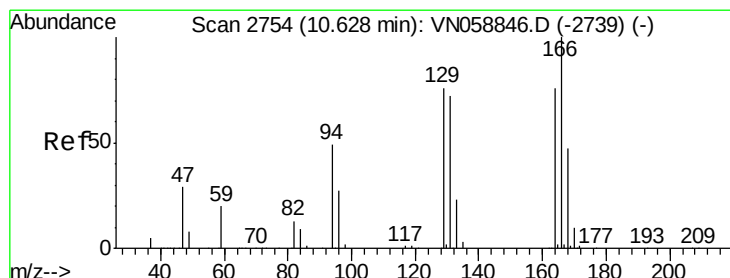
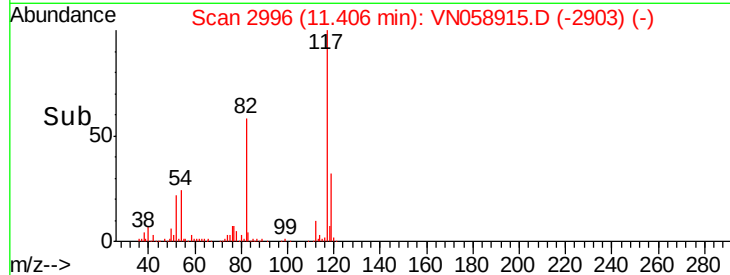
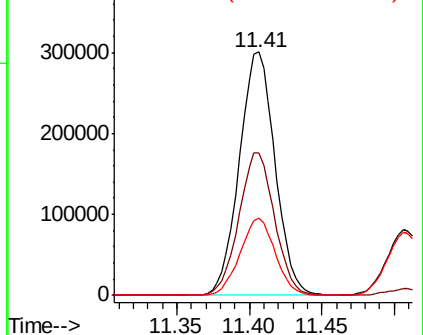
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 515804
Ion Ratio Lower Upper
117 100
82 58.4 46.6 69.8
119 31.6 25.6 38.4

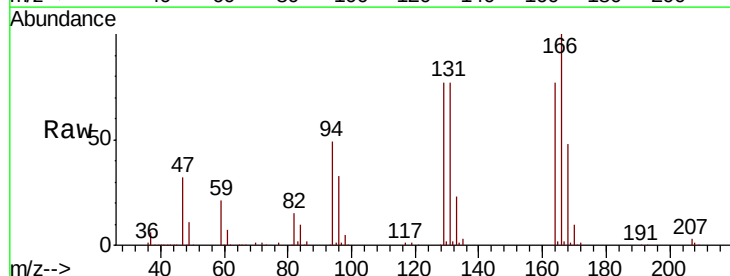


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

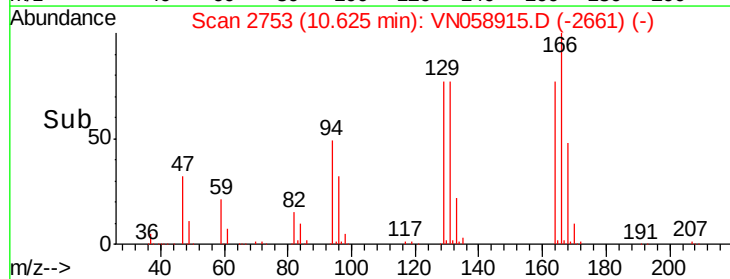
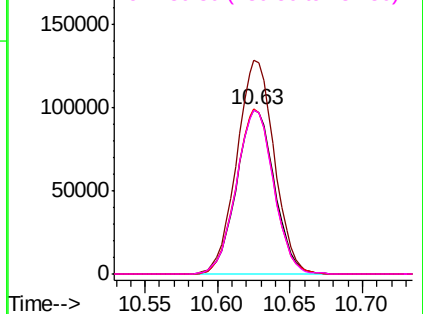


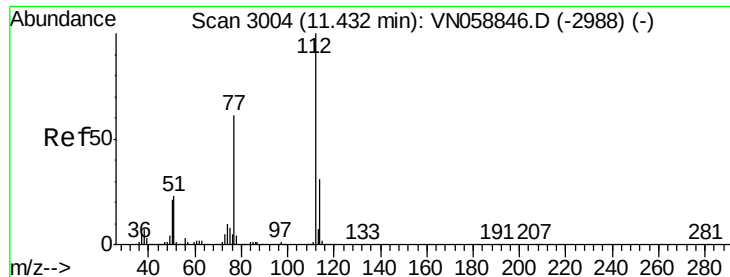
#64
Tetrachloroethene
Concen: 49.521 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion:164 Resp: 178889
Ion Ratio Lower Upper
164 100
166 130.3 104.8 157.2
129 100.9 79.3 118.9
131 100.2 75.8 113.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

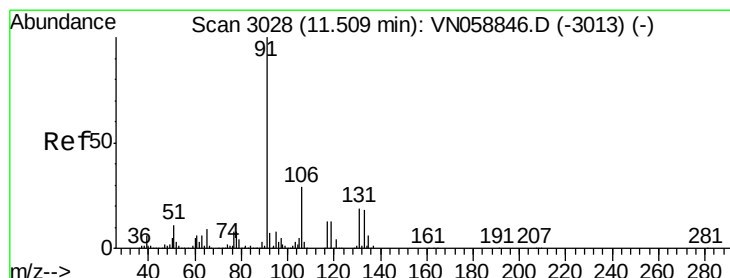
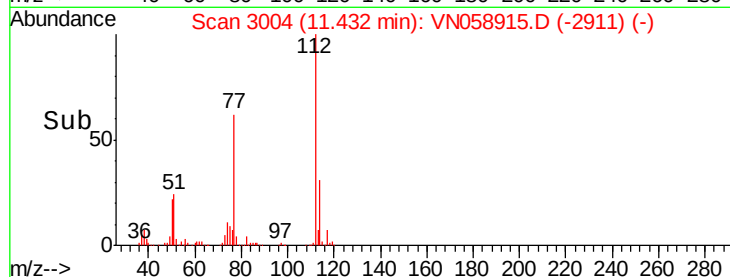
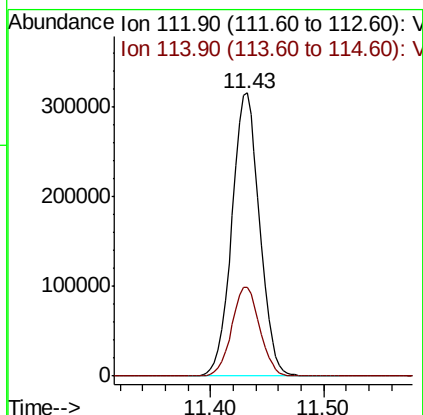
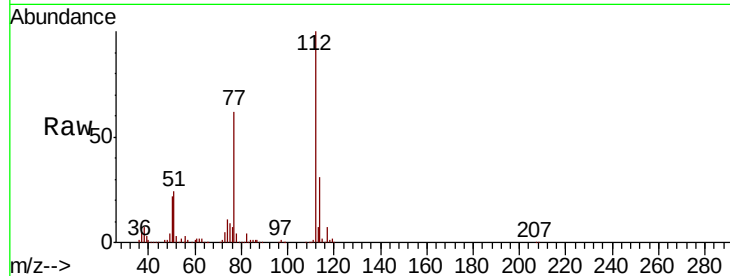




#65
Chlorobenzene
Concen: 51.108 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

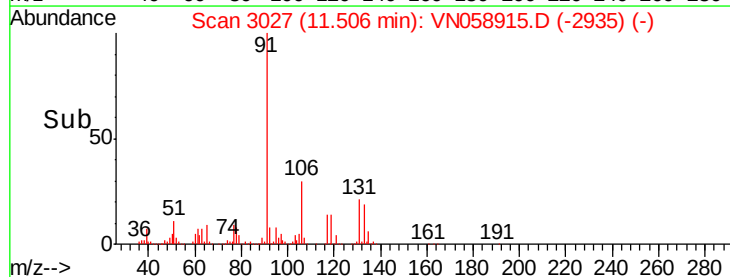
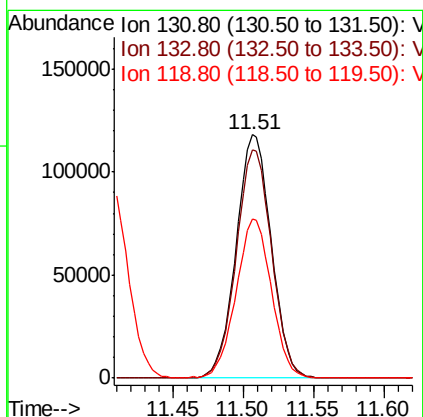
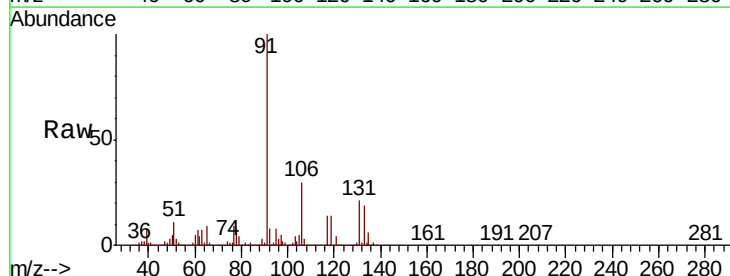
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

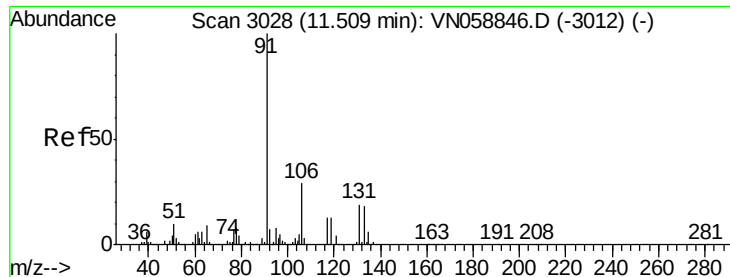
Tot Ion:112 Resp: 536694
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.076 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion:131 Resp: 206358
Ion Ratio Lower Upper
131 100
133 94.8 48.4 145.2
119 65.8 33.6 100.8





#67

Ethyl Benzene

Concen: 54.245 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

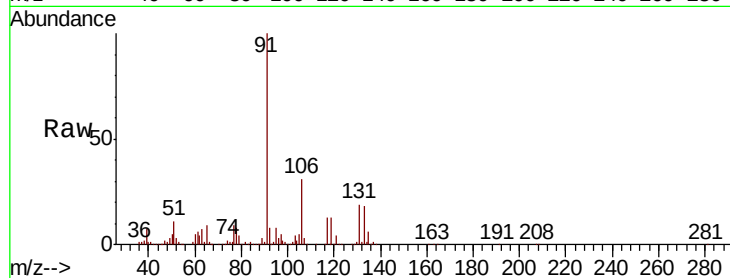
VSTDCCC050

Tot Ion: 91 Resp: 999256

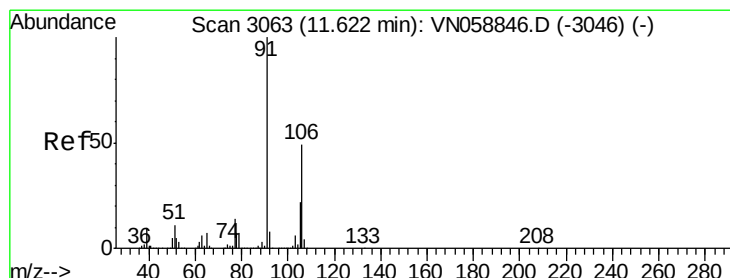
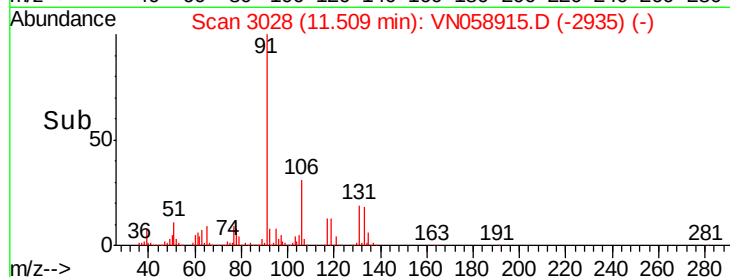
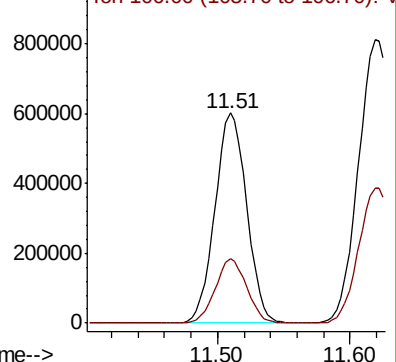
Ion Ratio Lower Upper

91 100

106 30.6 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 108.846 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058915.D

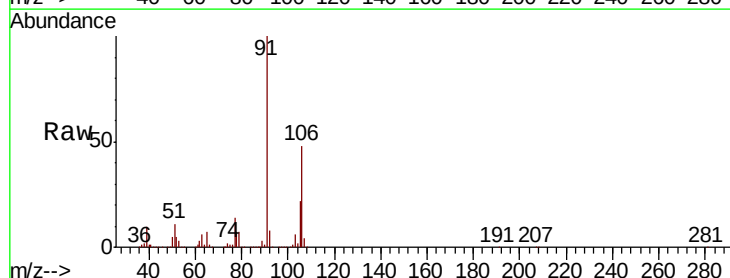
Acq: 23 Oct 2019 9:31

Tgt Ion: 106 Resp: 743579

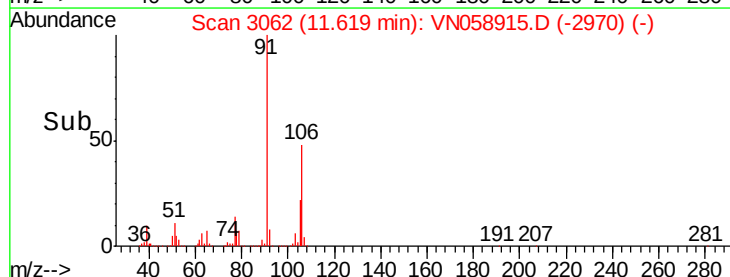
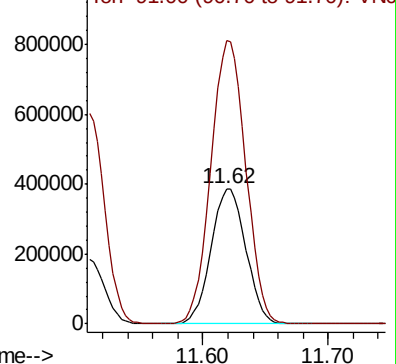
Ion Ratio Lower Upper

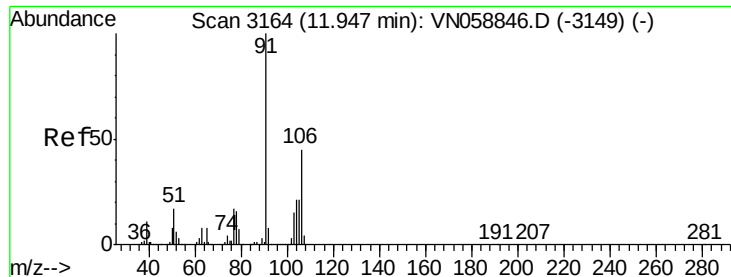
106 100

91 210.1 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

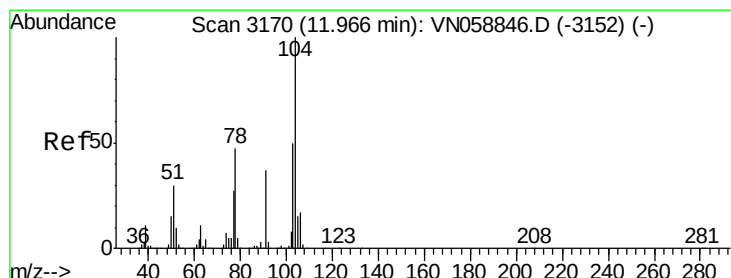
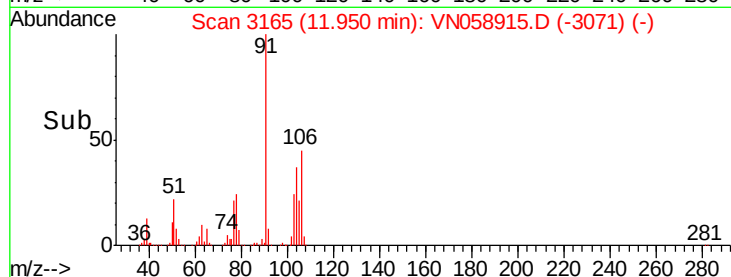
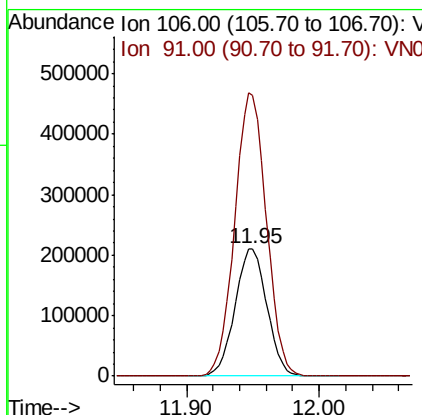
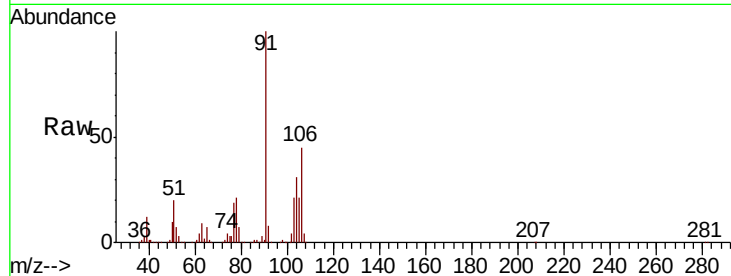




#69
o-Xylene
Concen: 53.859 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

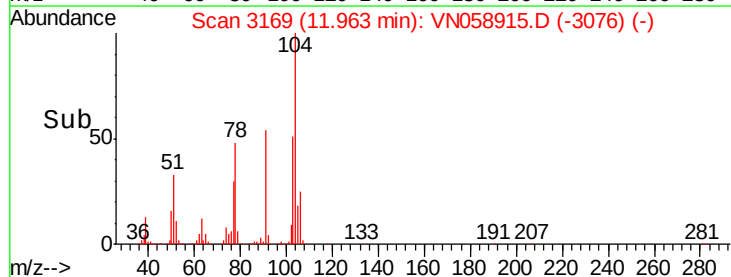
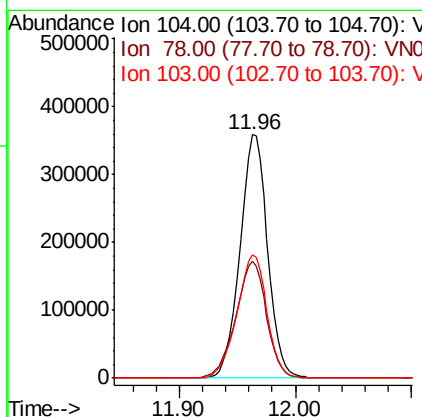
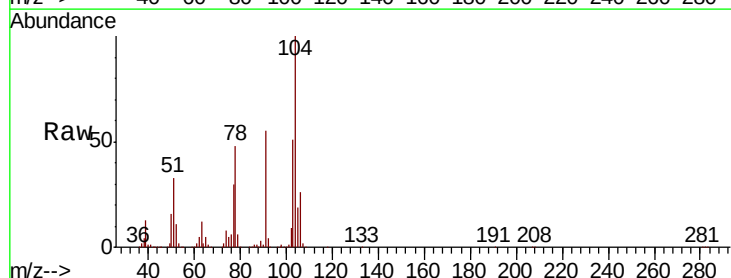
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

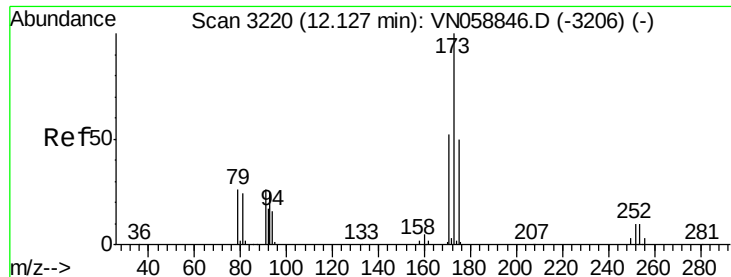
Tot Ion:106 Resp: 350913
Ion Ratio Lower Upper
106 100
91 221.3 111.5 334.4



#70
Styrene
Concen: 49.282 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion:104 Resp: 592382
Ion Ratio Lower Upper
104 100
78 53.3 42.8 64.2
103 55.0 44.3 66.5

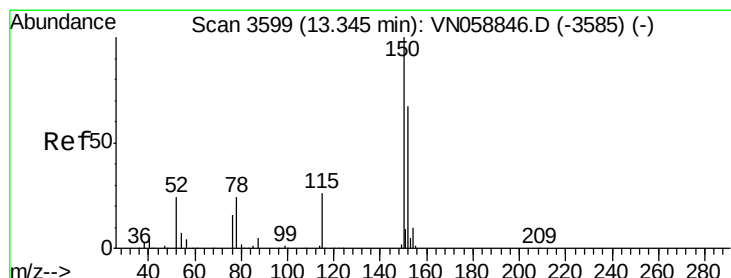
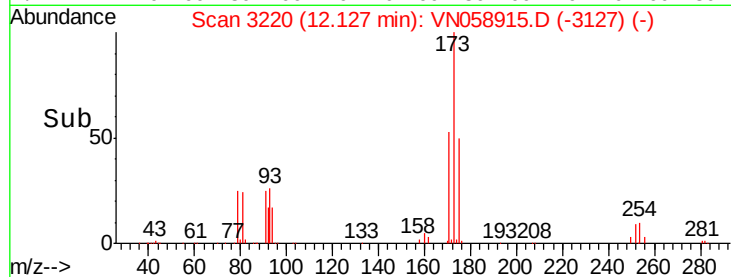
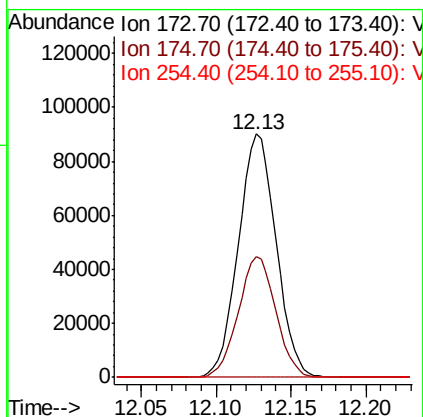
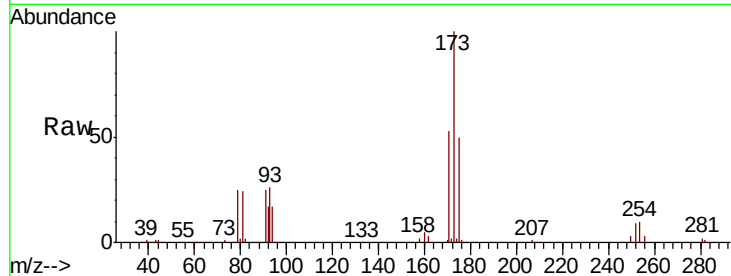




#71
Bromoform
Concen: 51.511 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

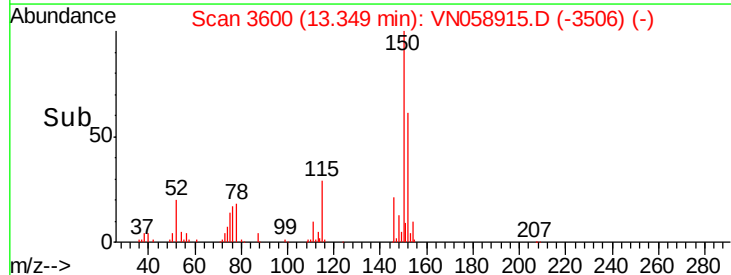
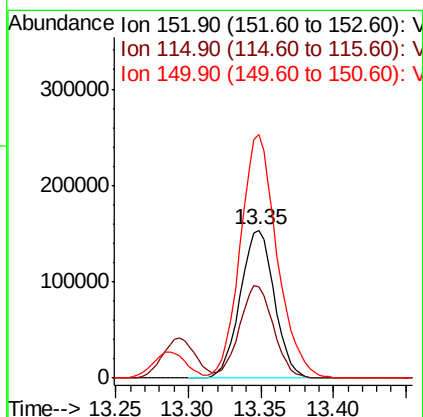
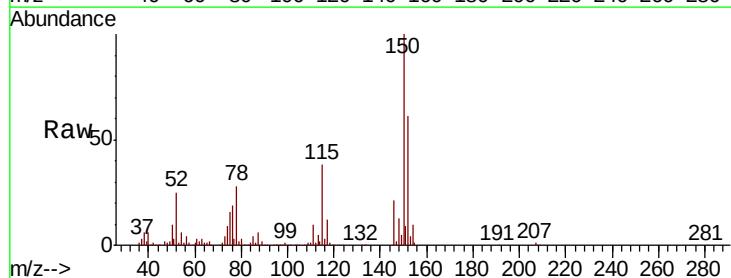
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

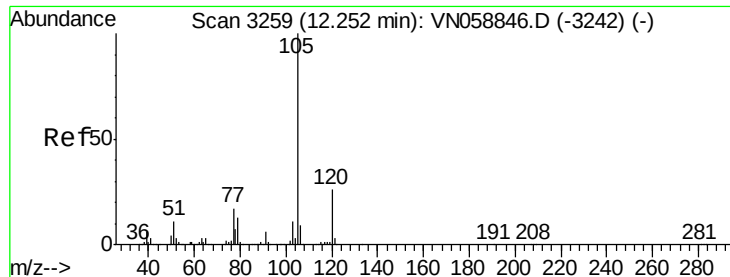
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.5	91.5
150	176.5	0.0	344.4





#73

Isopropylbenzene

Concen: 52.467 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

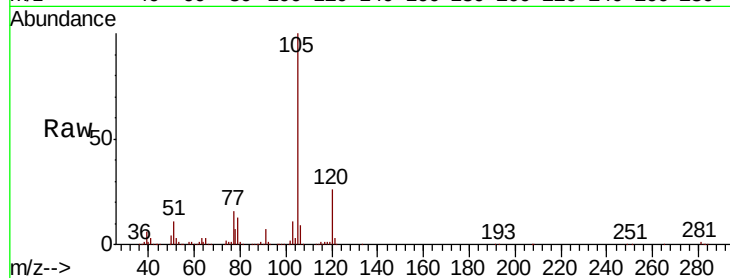
VSTDCCC050

Tot Ion:105 Resp: 963324

Ion Ratio Lower Upper

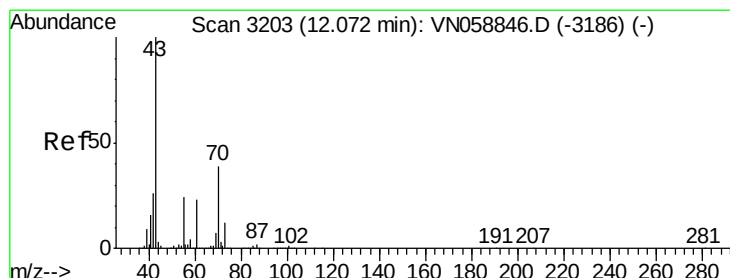
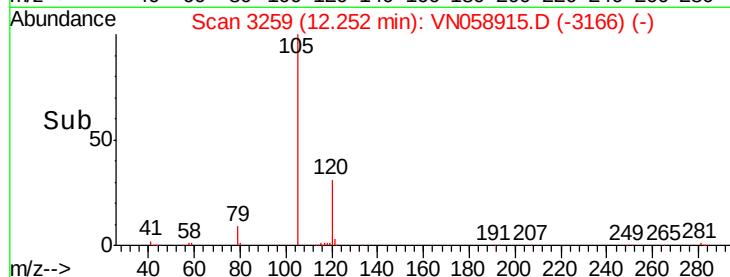
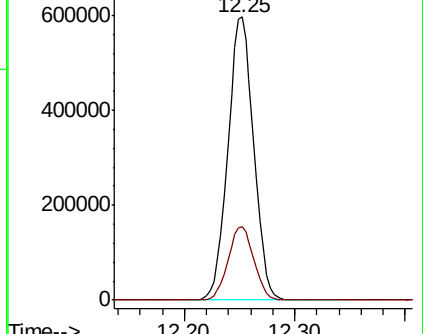
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.397 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion: 43 Resp: 436144

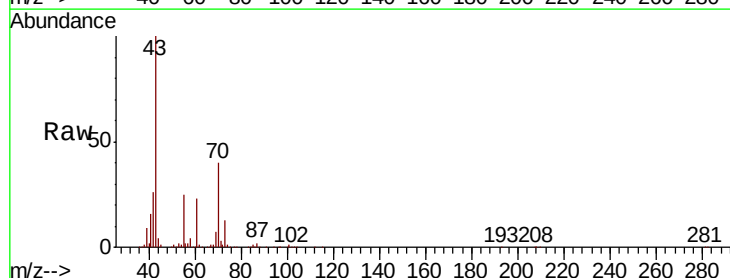
Ion Ratio Lower Upper

43 100

70 39.3 30.9 46.3

55 25.3 19.7 29.5

61 22.7 18.2 27.4

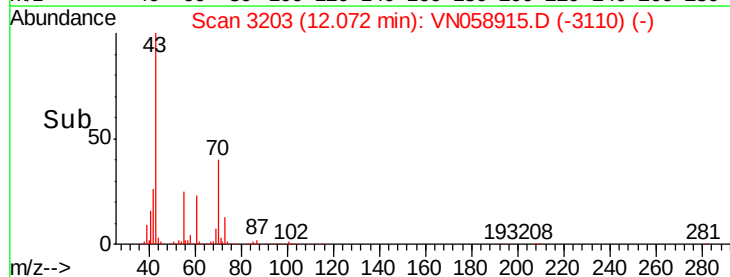
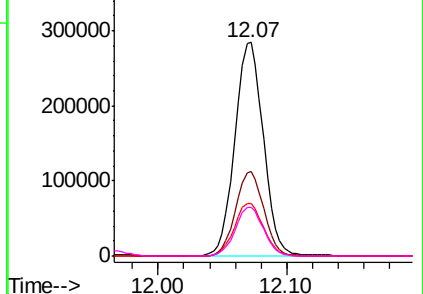


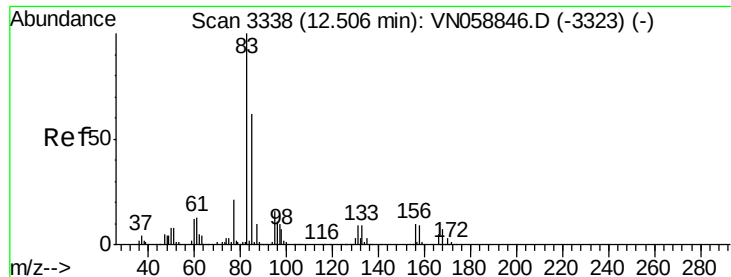
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.084 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

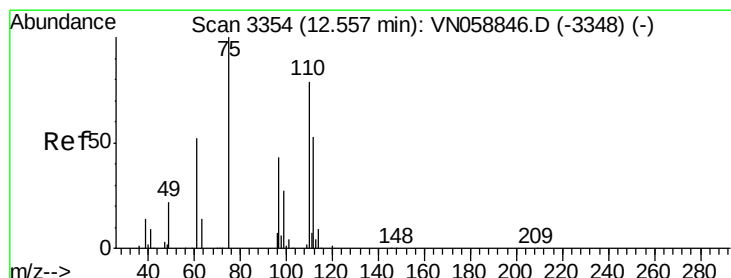
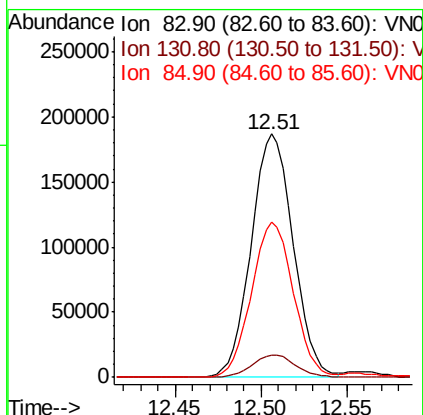
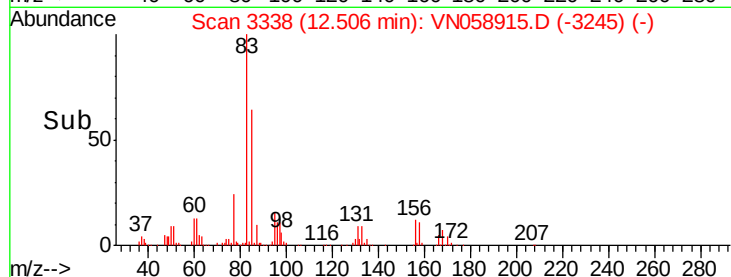
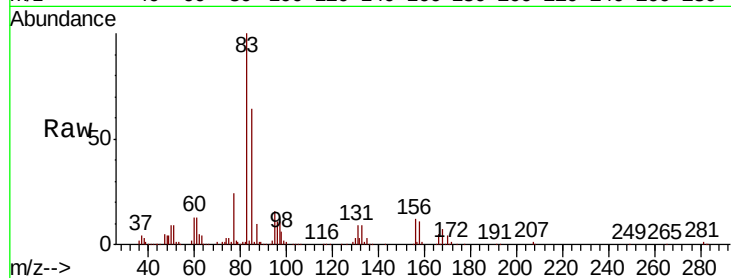
Tot Ion: 83 Resp: 316885

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

85 63.5 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 73.088 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058915.D

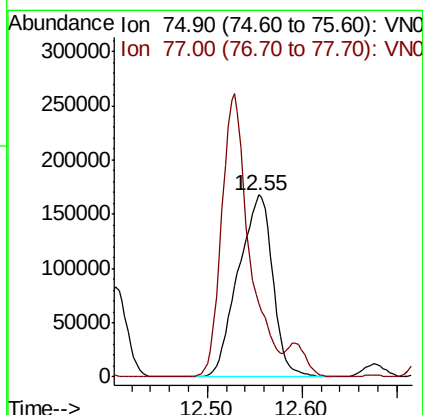
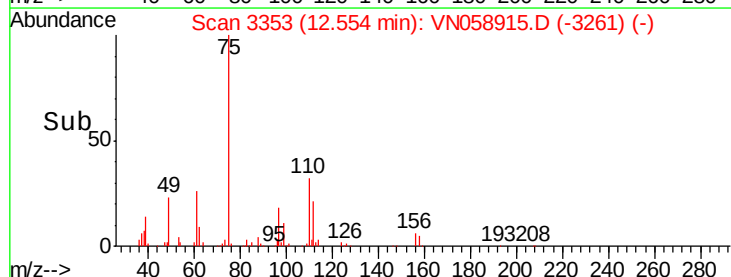
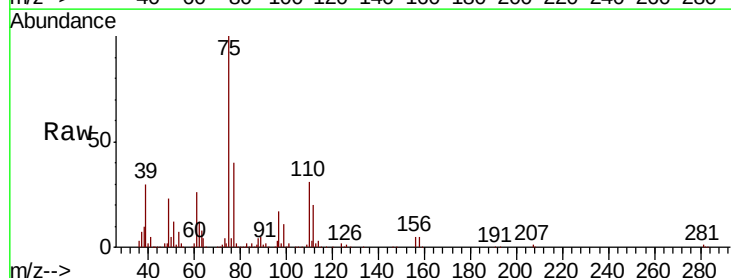
Acq: 23 Oct 2019 9:31

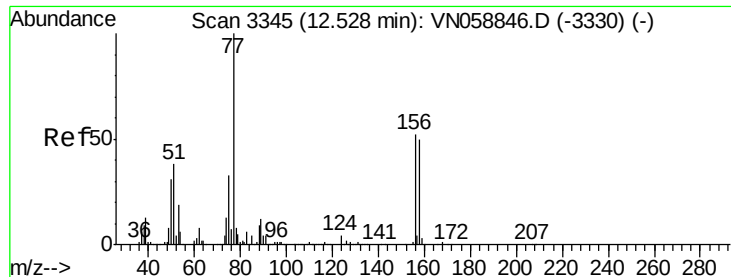
Tgt Ion: 75 Resp: 425565

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.347 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

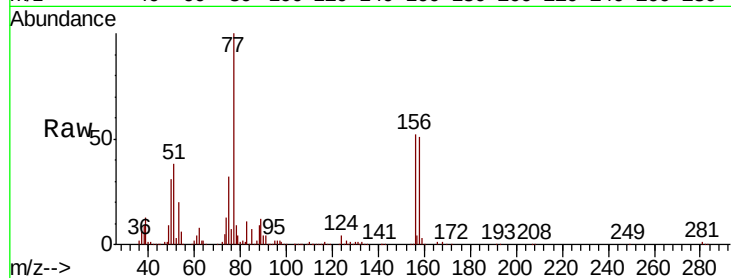
Tot Ion:156 Resp: 227848

Ion Ratio Lower Upper

156 100

77 235.3 118.0 354.0

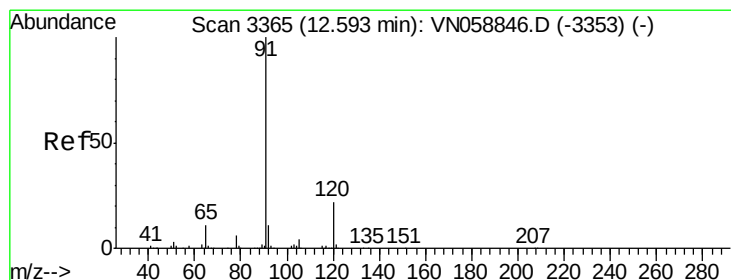
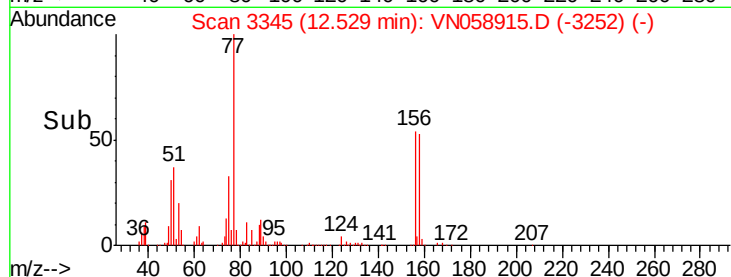
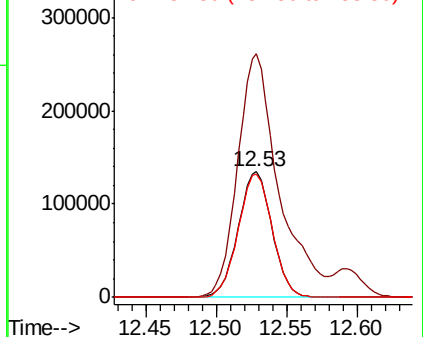
158 98.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.977 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058915.D

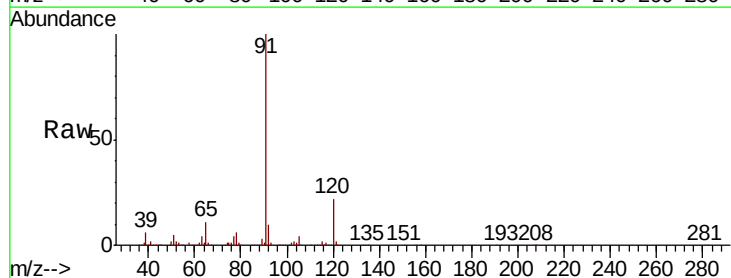
Acq: 23 Oct 2019 9:31

Tgt Ion: 91 Resp: 1171457

Ion Ratio Lower Upper

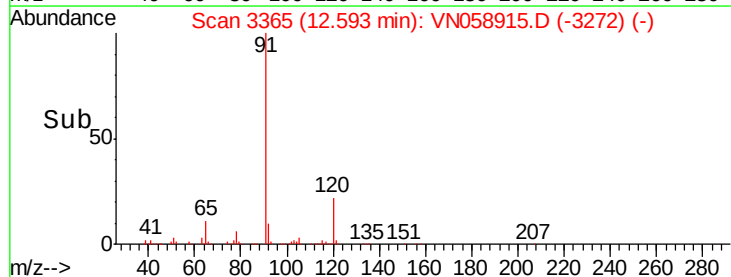
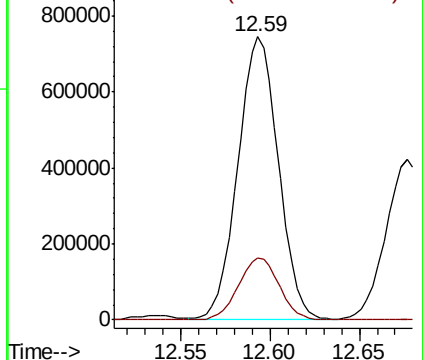
91 100

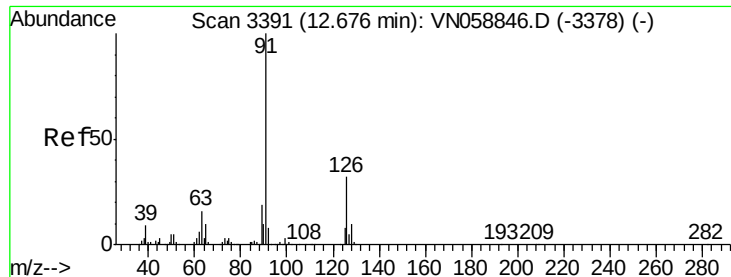
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.751 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

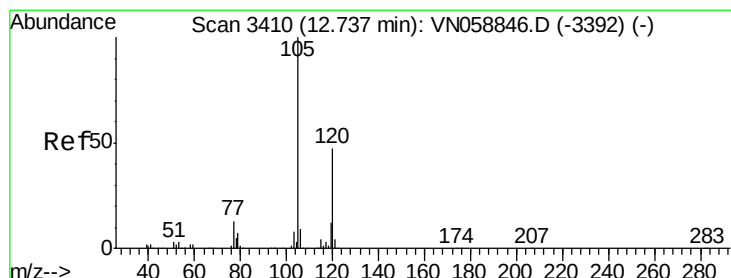
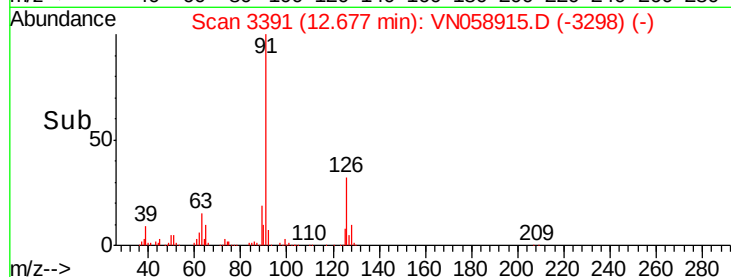
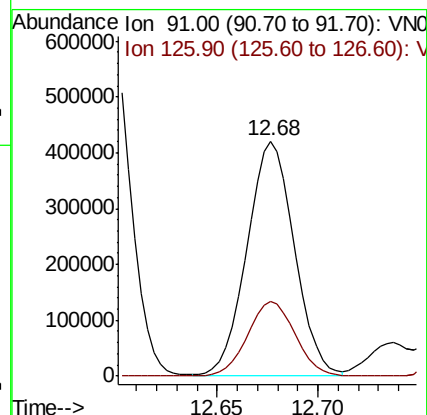
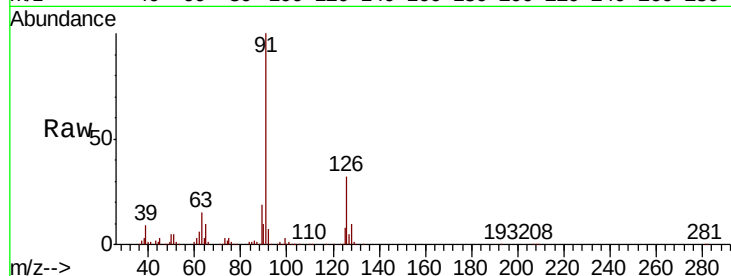
VSTDCCC050

Tot Ion: 91 Resp: 687412

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 54.701 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058915.D

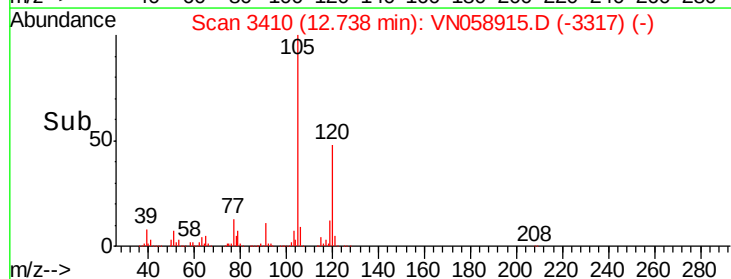
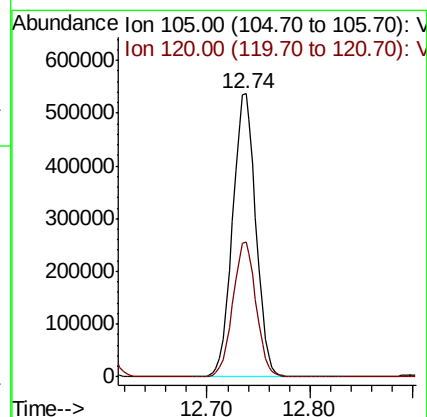
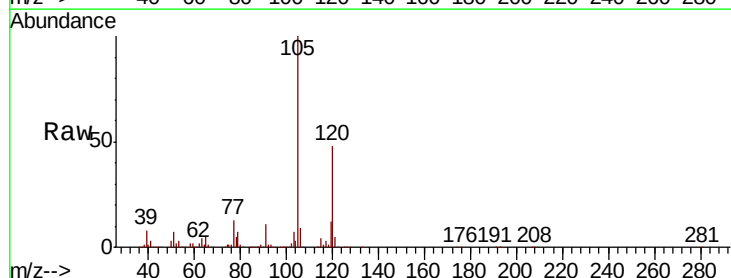
Acq: 23 Oct 2019 9:31

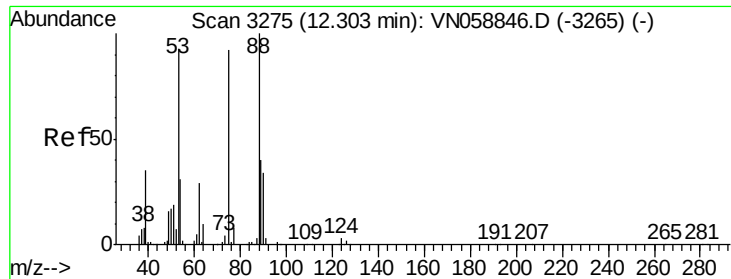
Tgt Ion: 105 Resp: 843824

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 49.536 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

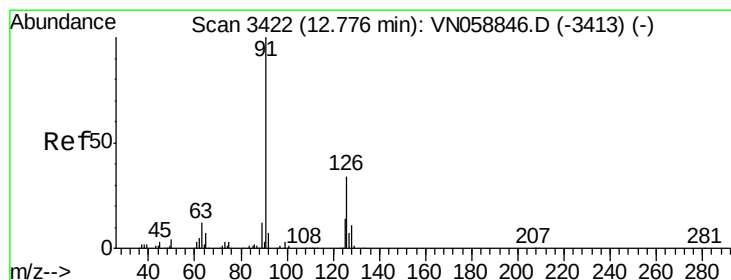
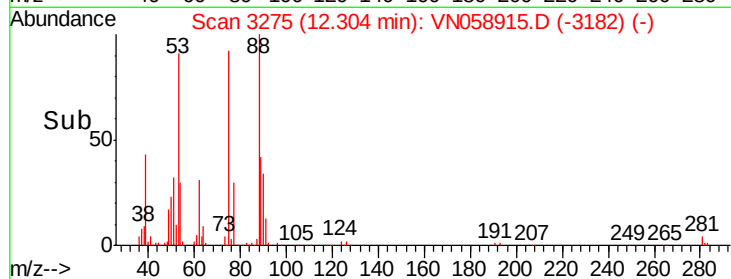
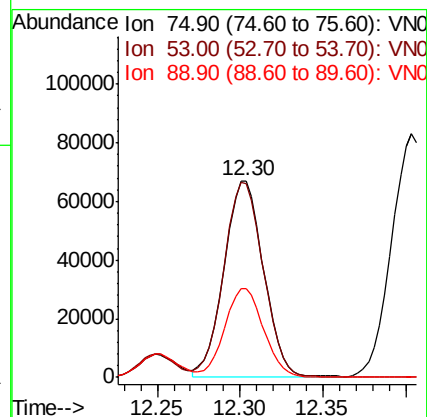
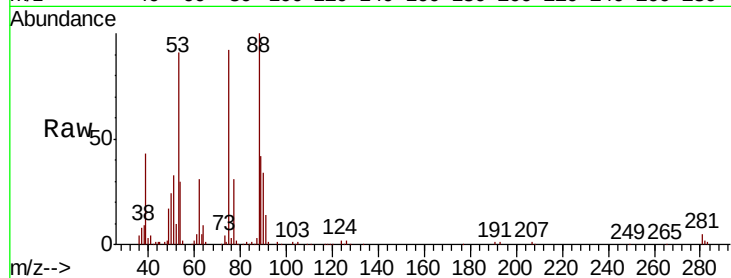
Tot Ion: 75 Resp: 110718

Ion Ratio Lower Upper

75 100

53 99.3 78.6 118.0

89 44.7 35.4 53.0



#82

4-Chlorotoluene

Concen: 53.019 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058915.D

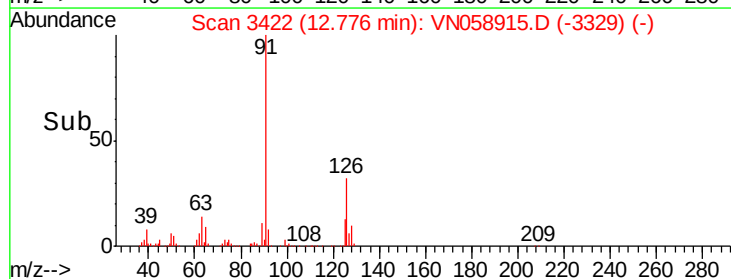
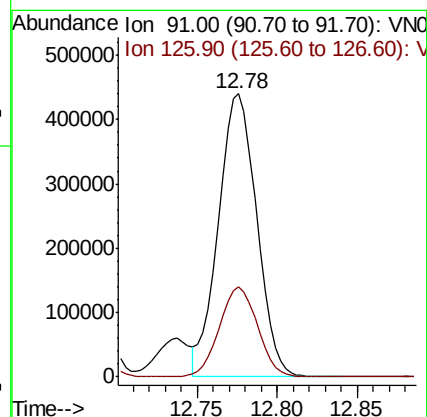
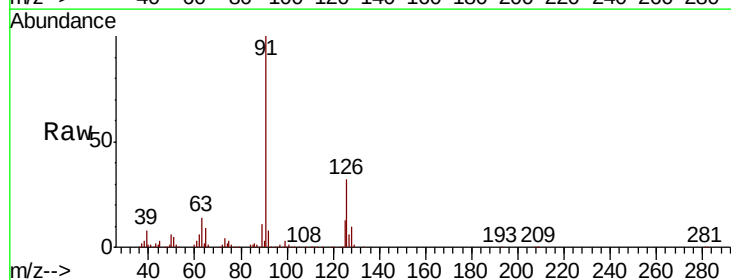
Acq: 23 Oct 2019 9:31

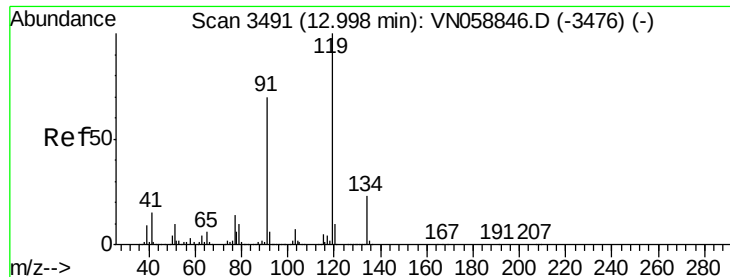
Tgt Ion: 91 Resp: 719687

Ion Ratio Lower Upper

91 100

126 31.8 16.0 47.9





#83

tert-Butylbenzene

Concen: 52.997 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

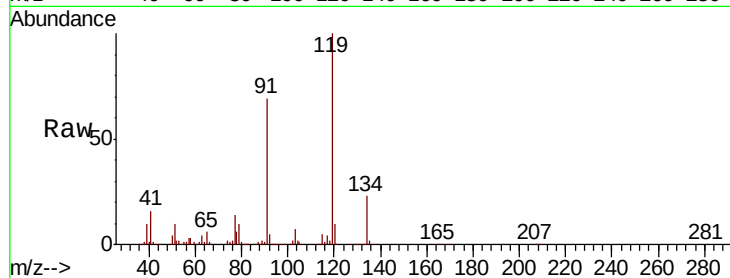
Tot Ion:119 Resp: 699099

Ion Ratio Lower Upper

119 100

91 67.8 34.1 102.3

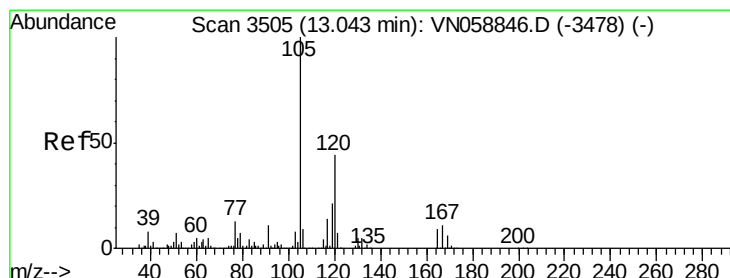
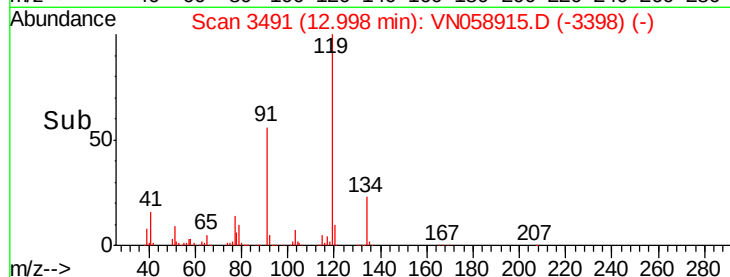
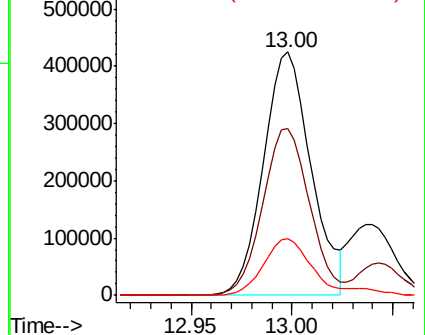
134 25.0 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.211 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058915.D

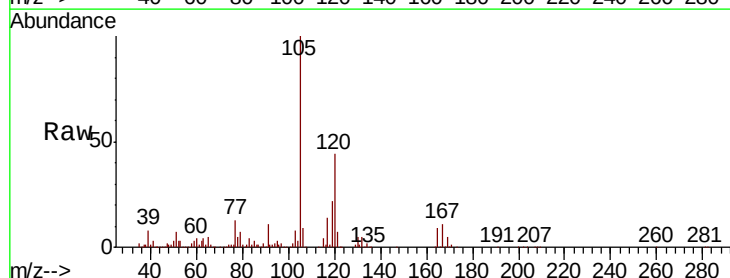
Acq: 23 Oct 2019 9:31

Tgt Ion:105 Resp: 855273

Ion Ratio Lower Upper

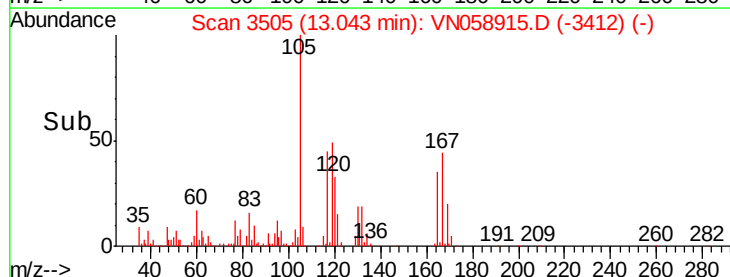
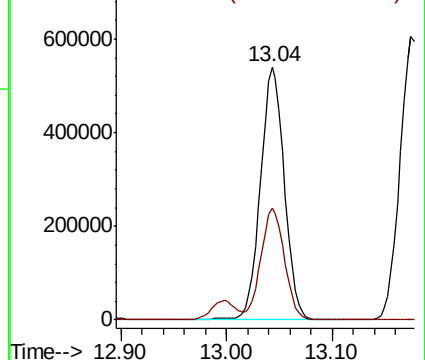
105 100

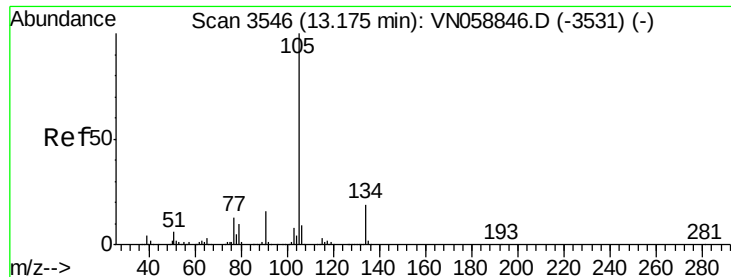
120 44.0 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.124 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

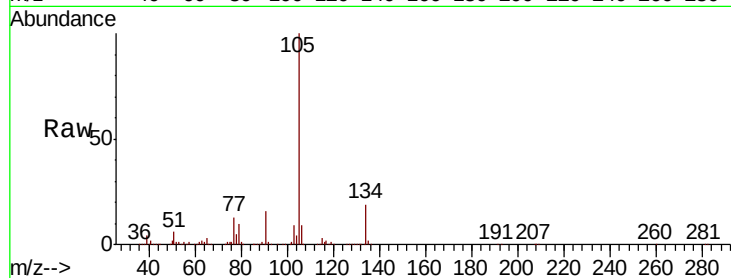
VSTDCCC050

Tot Ion:105 Resp: 951902

Ion Ratio Lower Upper

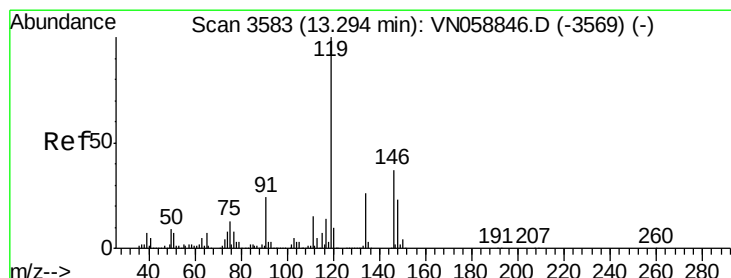
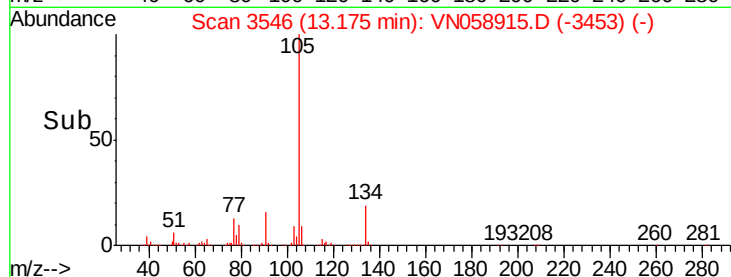
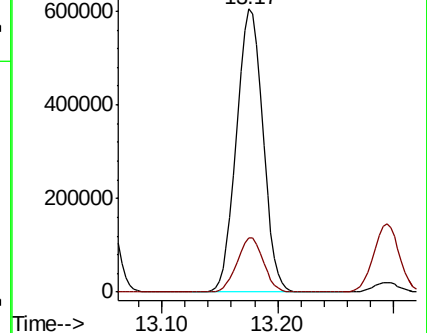
105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.820 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

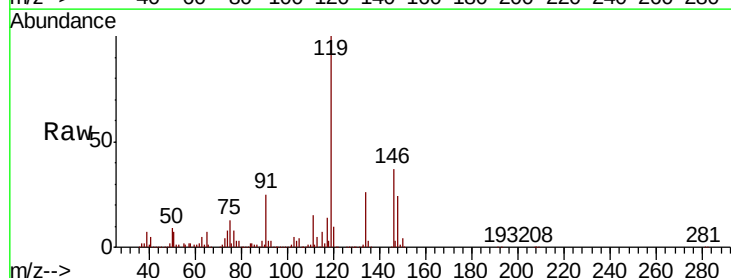
Tgt Ion:119 Resp: 866226

Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.4

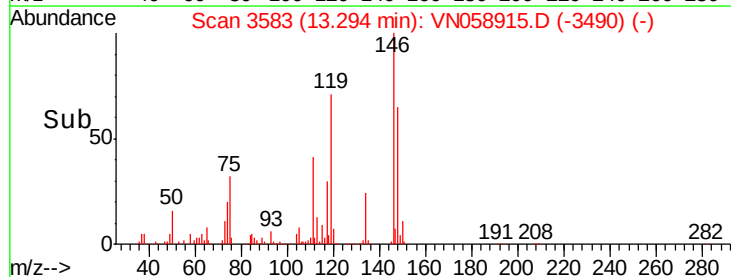
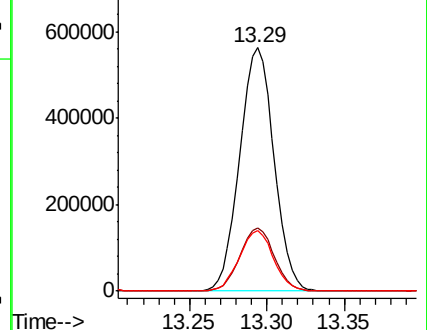
91 24.7 12.2 36.4

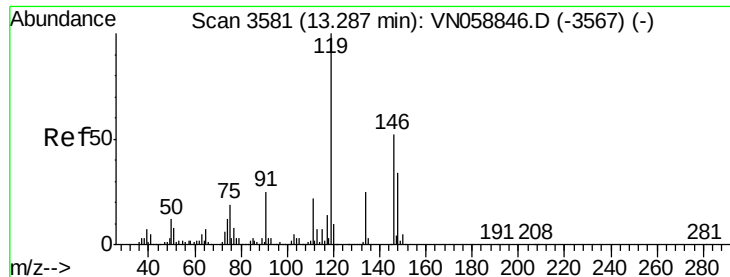


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.934 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

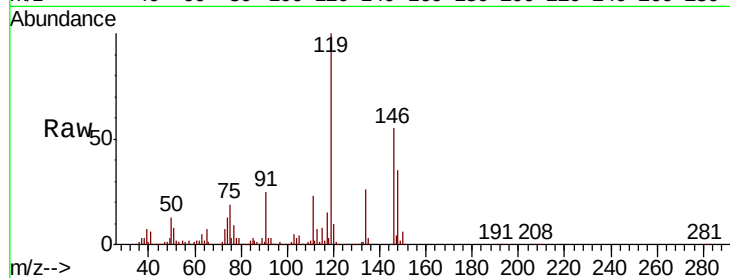
Tot Ion:146 Resp: 428343

Ion Ratio Lower Upper

146 100

111 41.1 21.0 63.0

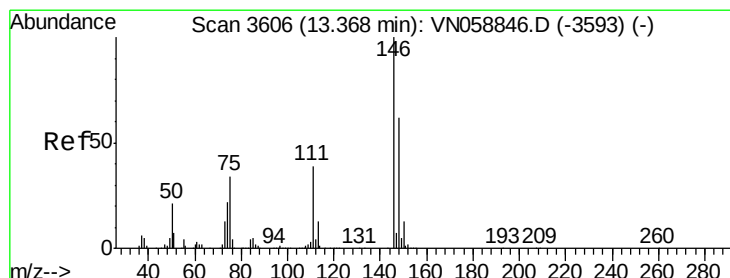
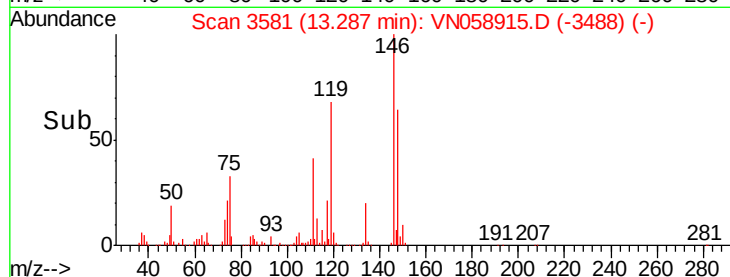
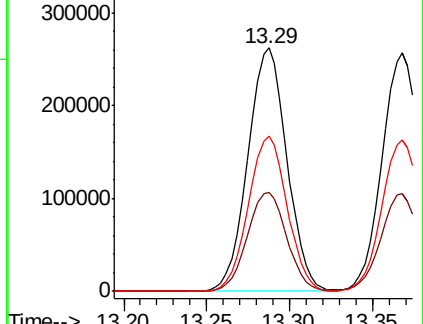
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.322 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

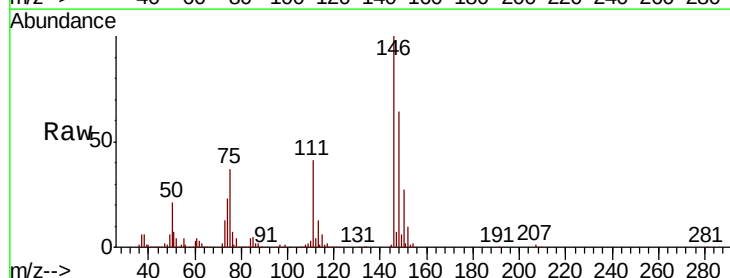
Tgt Ion:146 Resp: 415789

Ion Ratio Lower Upper

146 100

111 41.3 20.2 60.6

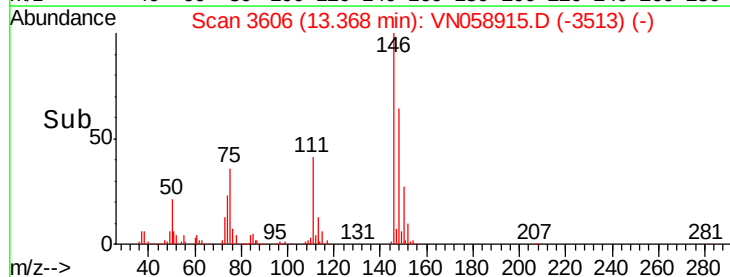
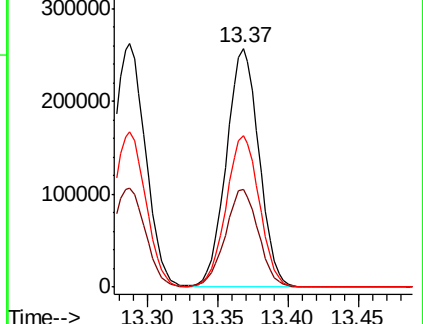
148 64.4 31.6 94.7

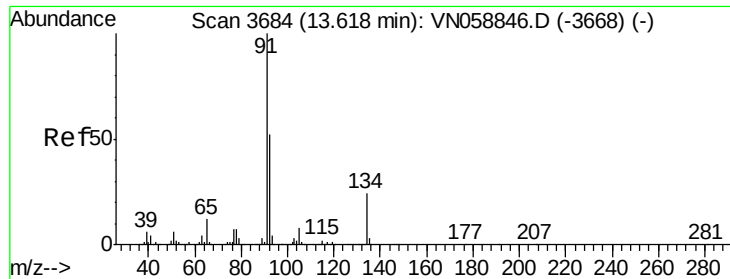


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

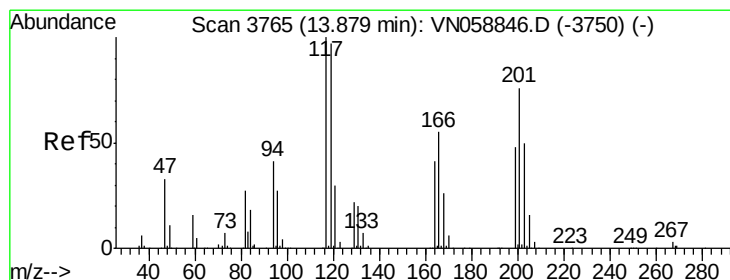
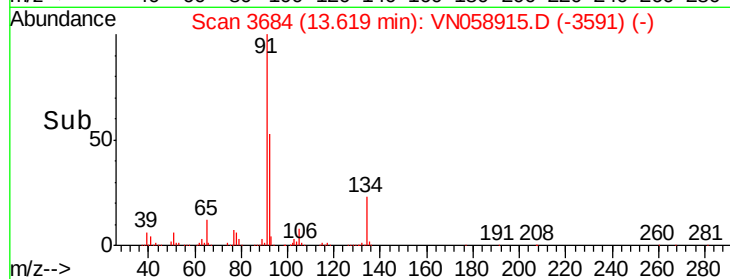
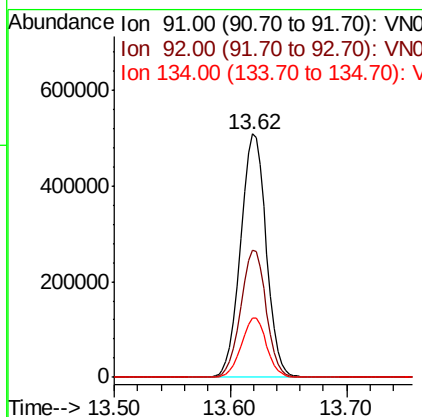
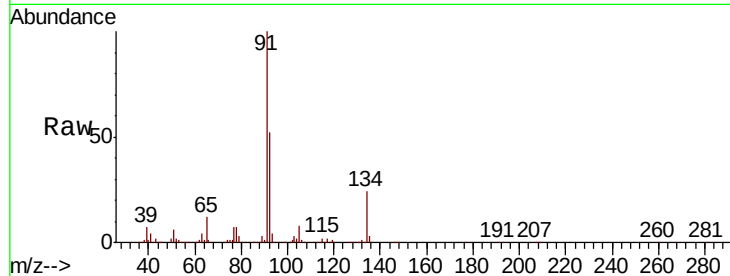




#89
n-Butylbenzene
Concen: 54.612 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

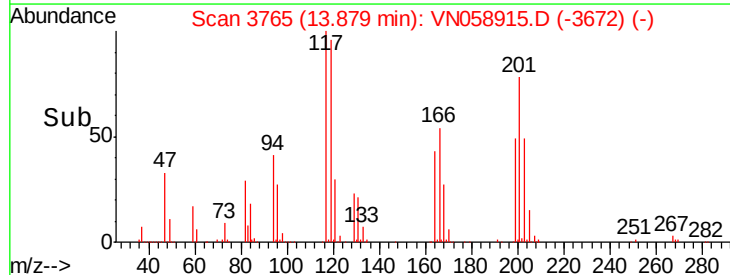
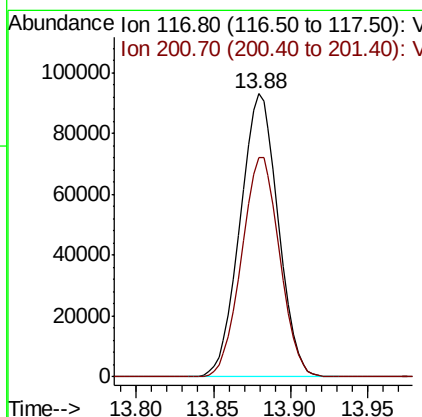
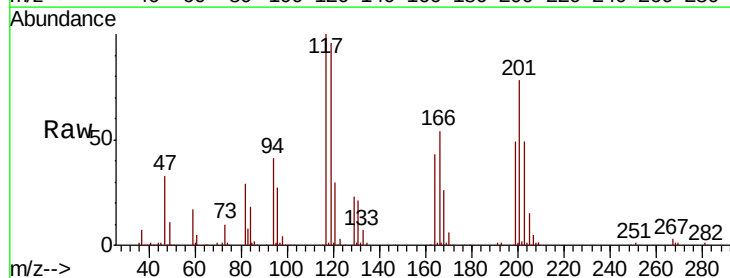
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

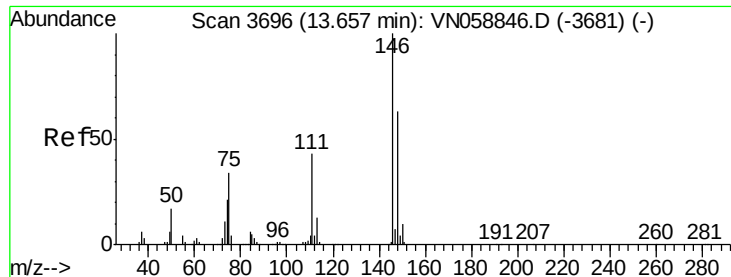
Tot Ion: 91 Resp: 778509
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.1
134 24.2 11.9 35.5



#90
Hexachloroethane
Concen: 50.558 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058915.D
Acq: 23 Oct 2019 9:31

Tgt Ion: 117 Resp: 158983
Ion Ratio Lower Upper
117 100
201 77.8 38.9 116.6

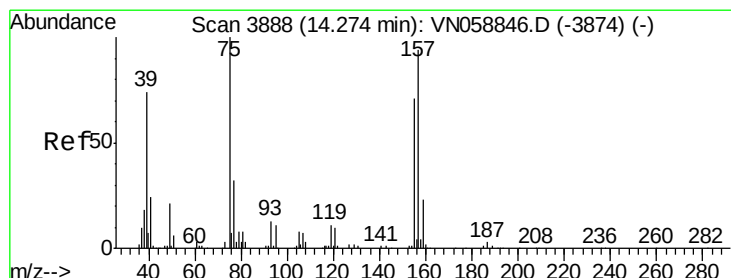
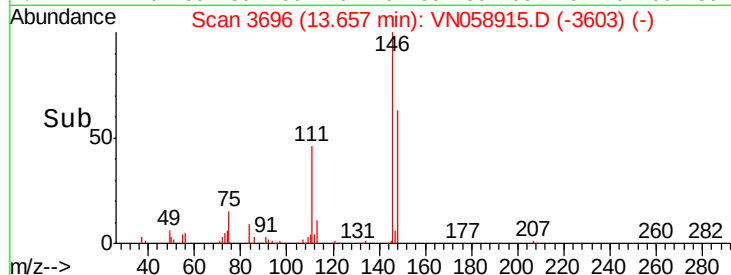
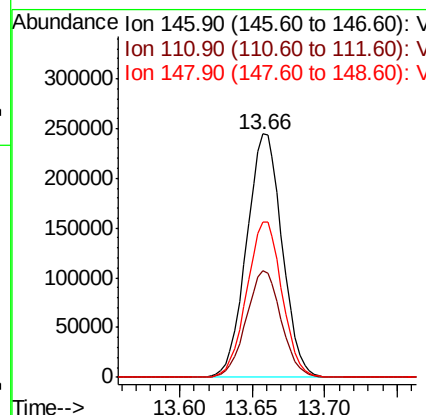
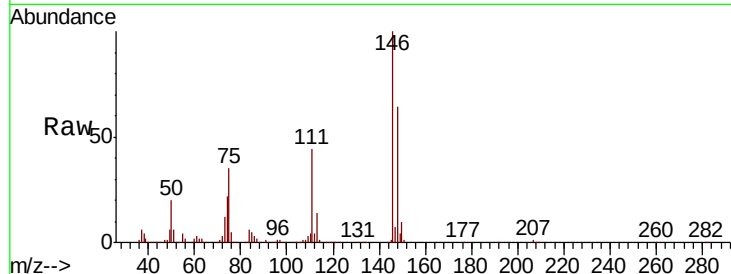




#91
 1,2-Dichlorobenzene
 Concen: 52.455 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

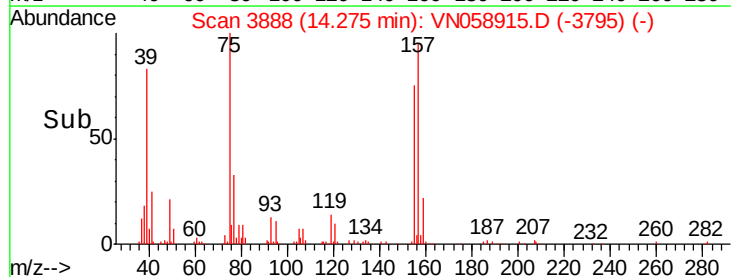
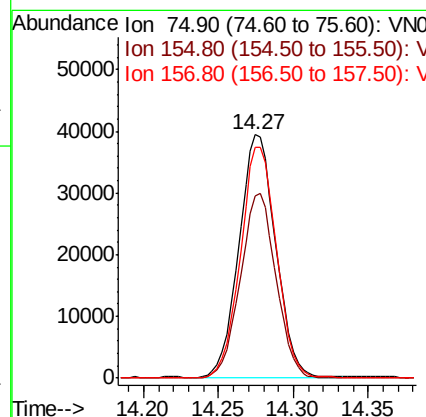
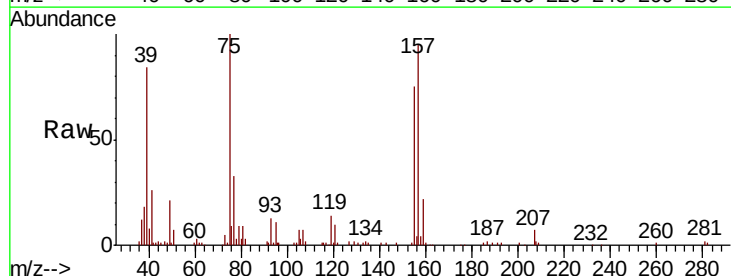
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

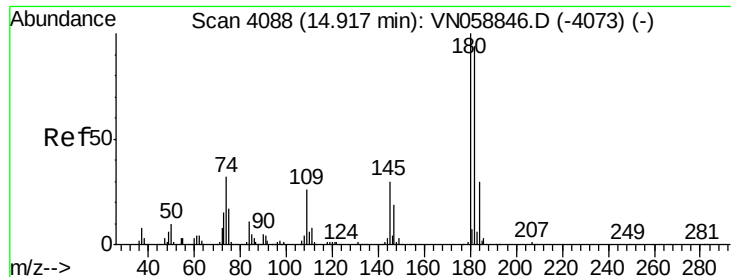
Tot Ion:146 Resp: 417198
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.6 64.8
 148 63.5 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.347 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion: 75 Resp: 67676
 Ion Ratio Lower Upper
 75 100
 155 73.3 35.6 106.8
 157 92.8 47.4 142.2

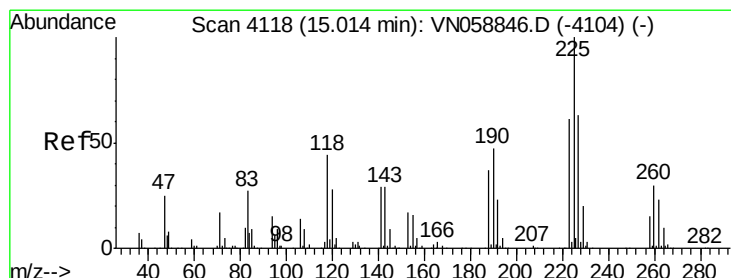
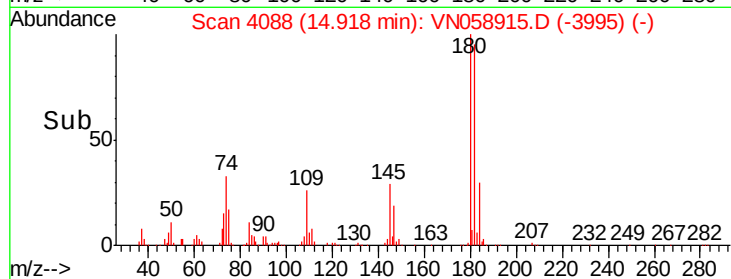
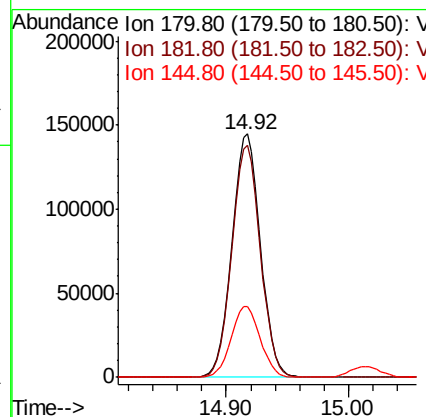
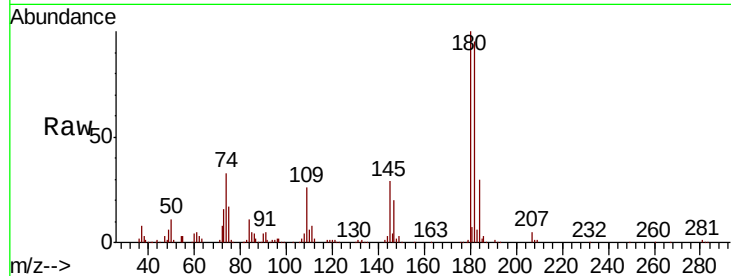




#93
 1,2,4-Trichlorobenzene
 Concen: 47.241 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

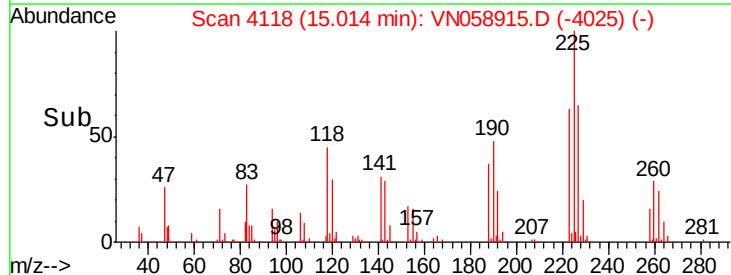
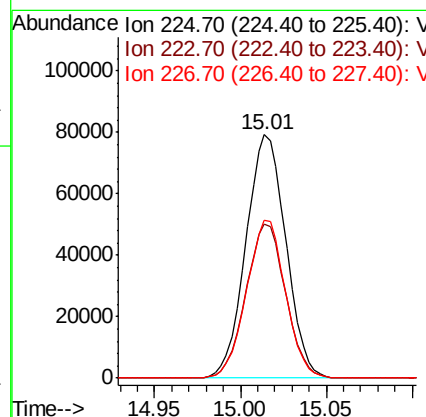
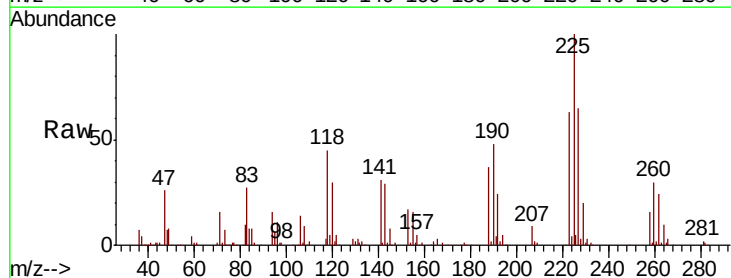
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

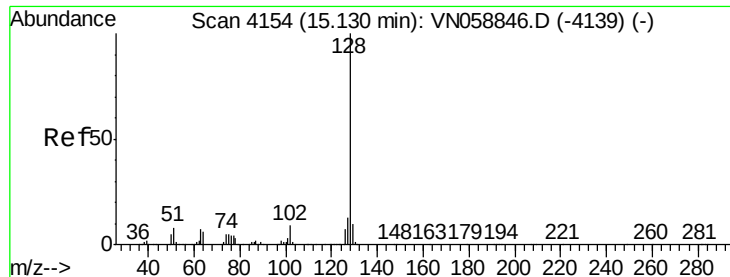
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	29.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 49.601 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058915.D
 Acq: 23 Oct 2019 9:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.5
227	63.3	31.6	94.7





#95

Naphthalene

Concen: 44.875 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Instrument :

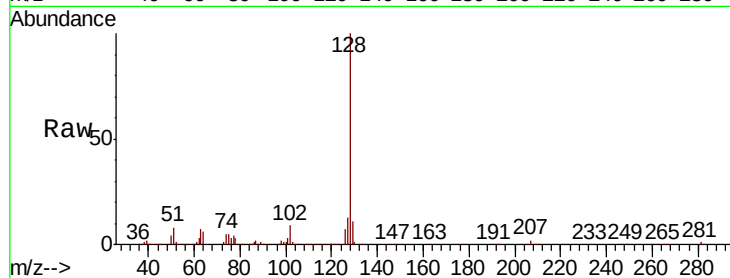
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 642339

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.4	12.6

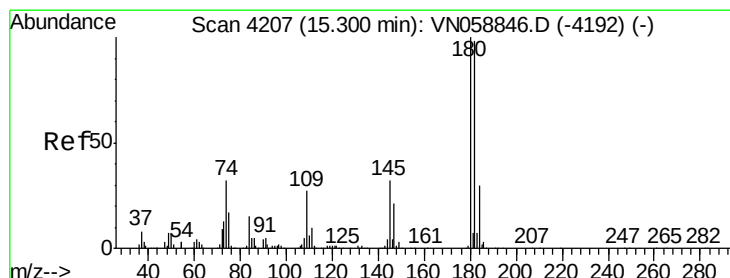
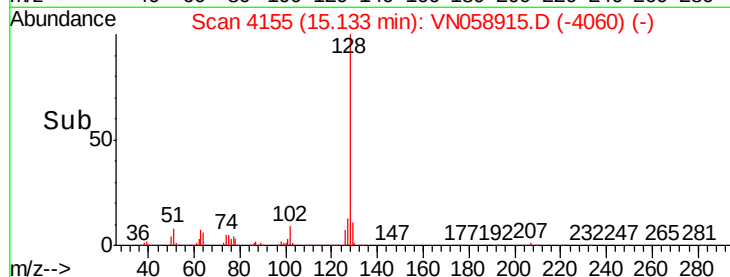
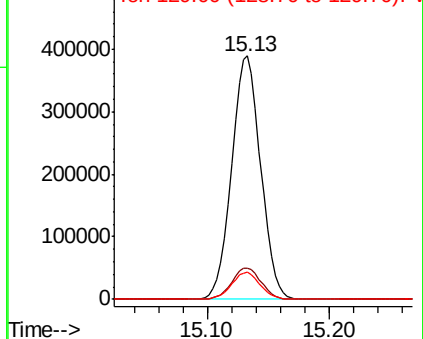


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 47.433 ug/l

RT: 15.30 min Scan# 4207

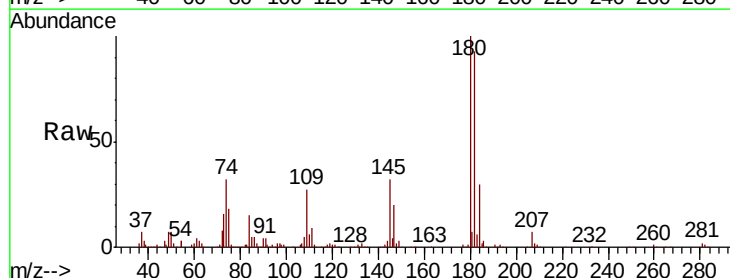
Delta R.T. 0.00 min

Lab File: VN058915.D

Acq: 23 Oct 2019 9:31

Tgt Ion:180 Resp: 230575

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	31.8	15.9	47.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

