

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058994.D
 Acq On : 28 Oct 2019 14:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:34:00 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	7.64	168	396611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	624221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	582123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	277915	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.57	113	211437	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.08	98	804345	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	303946	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	217344	43.953	ug/l	99
3) Chloromethane	2.04	50	262445	42.852	ug/l	100
4) Vinyl Chloride	2.17	62	273761	45.020	ug/l	98
5) Bromomethane	2.54	94	165574	43.481	ug/l	94
6) Chloroethane	2.68	64	173309	44.443	ug/l	96
7) Trichlorofluoromethane	3.00	101	356238	47.346	ug/l	100
8) Diethyl Ether	3.38	74	130351	50.133	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	199769	47.893	ug/l	99
10) Methyl Iodide	3.93	142	248516	45.300	ug/l	100
11) Tert butyl alcohol	4.74	59	212974	220.631	ug/l	99
12) 1,1-Dichloroethene	3.71	96	187835	48.042	ug/l	98
13) Acrolein	3.58	56	127834	192.736	ug/l	99
14) Allyl chloride	4.29	41	360759	45.598	ug/l	94
15) Acrylonitrile	4.95	53	596070	245.488	ug/l	99
16) Acetone	3.79	43	668563	232.594	ug/l	99
17) Carbon Disulfide	4.03	76	539648	42.847	ug/l	100
18) Methyl Acetate	4.29	43	316586	48.445	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	713103	52.087	ug/l	98
20) Methylene Chloride	4.52	84	231754	47.219	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	209371	48.489	ug/l	99
22) Diisopropyl ether	5.92	45	835650	54.000	ug/l	94
23) Vinyl Acetate	5.86	43	3403527	273.748	ug/l	99
24) 1,1-Dichloroethane	5.82	63	441042	49.151	ug/l	99
25) 2-Butanone	6.81	43	877099	235.069	ug/l	97
26) 2,2-Dichloropropane	6.80	77	390845	50.357	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	250669	50.820	ug/l	99
28) Bromochloromethane	7.17	49	146442	49.003	ug/l	99
29) Tetrahydrofuran	7.18	42	552178	241.915	ug/l	100
30) Chloroform	7.35	83	438418	48.708	ug/l	99
31) Cyclohexane	7.63	56	389386	46.580	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	377526	49.761	ug/l	99
36) 1,1-Dichloropropene	7.77	75	328699	51.434	ug/l	100
37) Ethyl Acetate	6.90	43	346035	49.693	ug/l	99
38) Carbon Tetrachloride	7.75	117	326354	49.570	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	378242	52.711	ug/l	99
40) Benzene	8.02	78	975694	51.992	ug/l	98
41) Methacrylonitrile	7.18	41	502420	161.999	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	359335	49.708	ug/l	100
43) Isopropyl Acetate	8.14	43	574186	51.414	ug/l	99
44) Trichloroethene	8.82	130	235555	51.528	ug/l	97
45) 1,2-Dichloropropane	9.10	63	273790	53.205	ug/l	98
46) Dibromomethane	9.19	93	166777	51.266	ug/l	98
47) Bromodichloromethane	9.39	83	352553	52.581	ug/l	99
48) Methyl methacrylate	9.18	41	265353	52.370	ug/l	97
49) 1,4-Dioxane	9.18	88	84418	1014.926	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1747826	267.946	ug/l	99
52) Toluene	10.15	92	600882	53.994	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	401170	54.047	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	432615	54.554	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	238695	52.066	ug/l	98
56) Ethyl methacrylate	10.42	69	377729	49.090	ug/l	98
57) 1,3-Dichloropropane	10.70	76	421781	52.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	811473	249.549	ug/l	100
59) 2-Hexanone	10.75	43	1324235	262.715	ug/l	99
60) Dibromochloromethane	10.90	129	267179	54.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243144	51.825	ug/l	100
64) Tetrachloroethene	10.63	164	206022	50.535	ug/l	98
65) Chlorobenzene	11.43	112	633840	53.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	242052	54.124	ug/l	99
67) Ethyl Benzene	11.51	91	1167847	56.174	ug/l	98
68) m/p-Xylenes	11.62	106	868021	112.586	ug/l	100
69) o-Xylene	11.95	106	414253	56.337	ug/l	98
70) Styrene	11.96	104	697452	51.338	ug/l	99
71) Bromoform	12.13	173	187616	54.101	ug/l #	98
73) Isopropylbenzene	12.25	105	1134029	53.359	ug/l	99
74) N-amyl acetate	12.07	43	504409	52.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370447	49.572	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	490304	72.747	ug/l #	100
77) Bromobenzene	12.53	156	271995	51.923	ug/l	95
78) n-propylbenzene	12.59	91	1365449	54.353	ug/l	100
79) 2-Chlorotoluene	12.68	91	797592	51.874	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	978673	54.808	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132898	51.367	ug/l	96
82) 4-Chlorotoluene	12.78	91	835232	53.156	ug/l	100
83) tert-Butylbenzene	13.00	119	829753	54.341	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	976134	55.423	ug/l	99
85) sec-Butylbenzene	13.17	105	1124776	55.250	ug/l	98
86) p-Isopropyltoluene	13.29	119	1024037	57.008	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	497723	53.137	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	489700	52.218	ug/l	99
89) n-Butylbenzene	13.62	91	938813	56.894	ug/l	100
90) Hexachloroethane	13.88	117	187192	51.427	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486789	52.875	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73837	43.684	ug/l	97

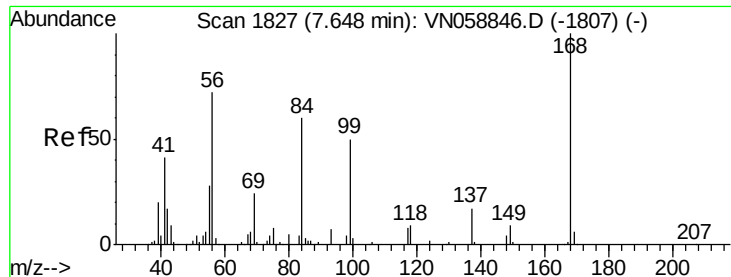
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288392	49.773	ug/l	100
94) Hexachlorobutadiene	15.01	225	154975	51.936	ug/l	99
95) Naphthalene	15.13	128	762560	45.967	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	272391	48.360	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

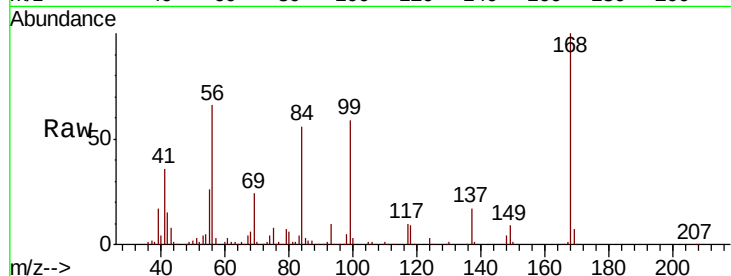
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 396611

Ion Ratio Lower Upper

168 100

99 58.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

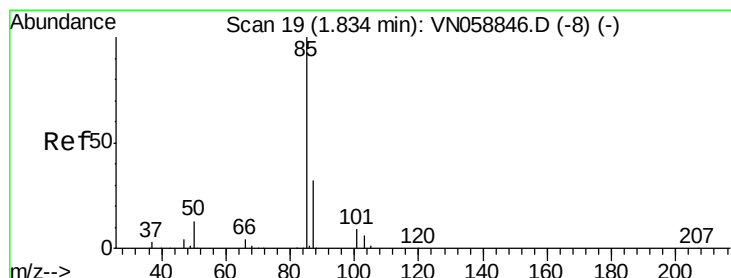
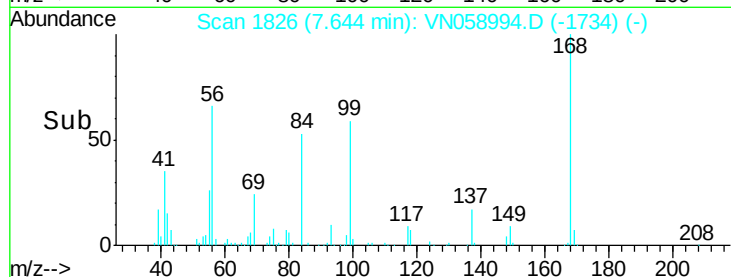
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.953 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058994.D

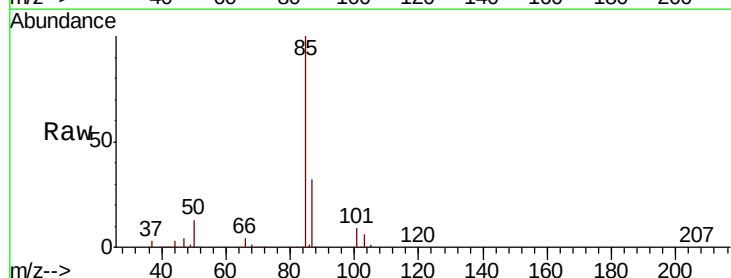
Acq: 28 Oct 2019 14:42

Tgt Ion: 85 Resp: 217344

Ion Ratio Lower Upper

85 100

87 31.9 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

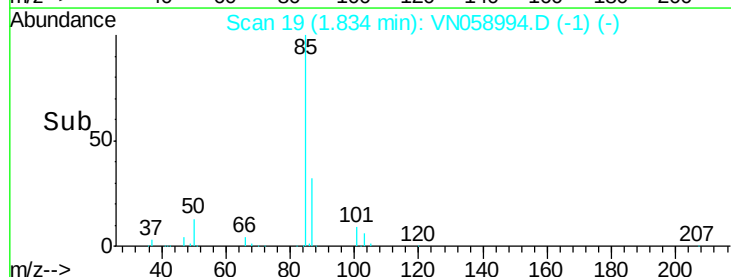
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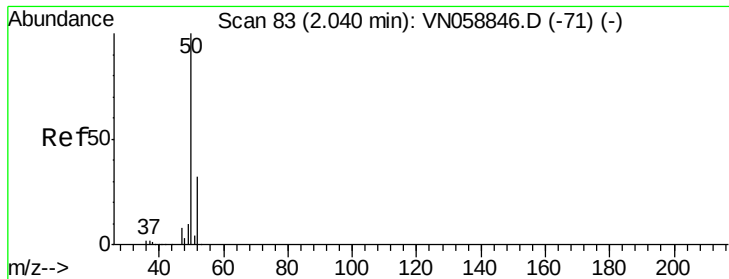
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 42.852 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

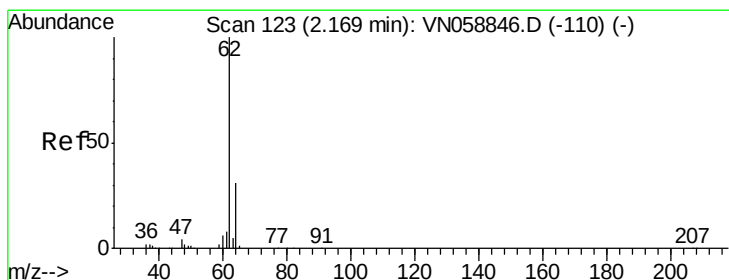
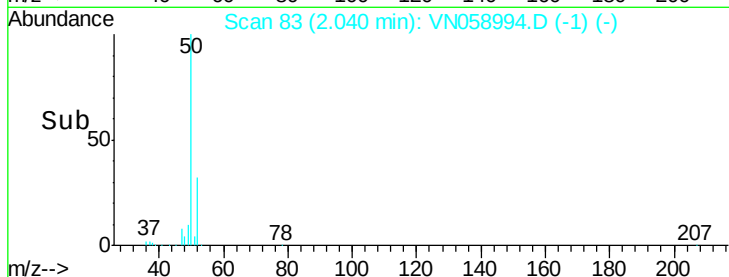
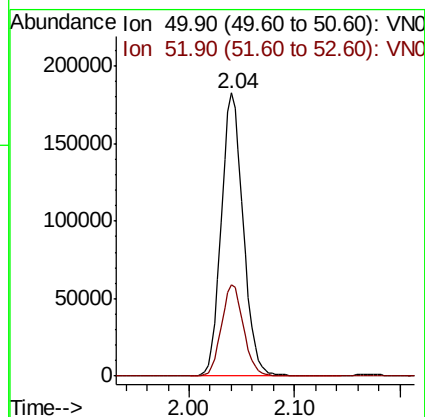
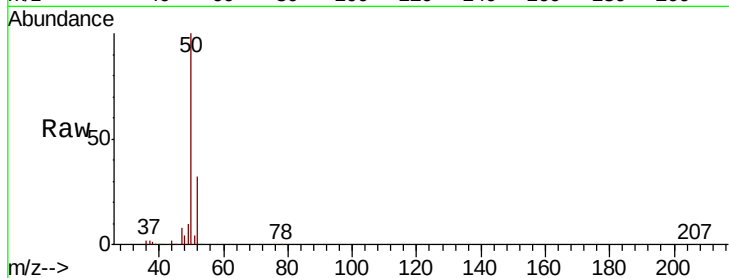
ClientSampleId :

Tot Ion: 50 Resp: 262445

Ion Ratio Lower Upper

50 100

52 32.2 25.7 38.5



#4

Vinyl Chloride

Concen: 45.020 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058994.D

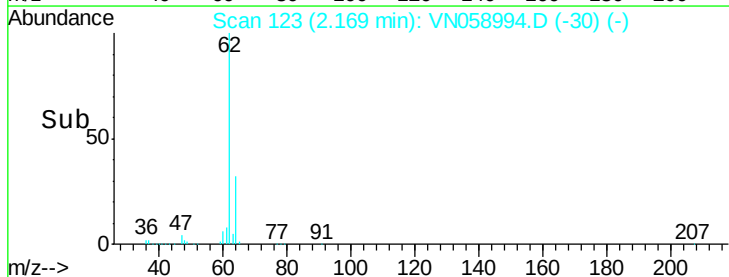
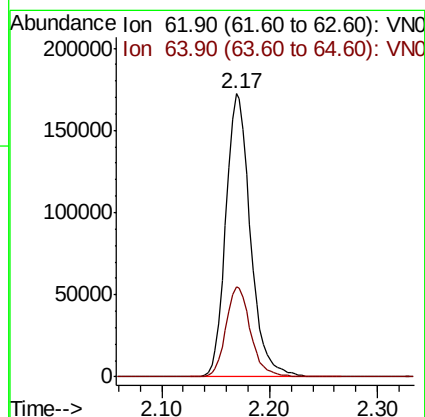
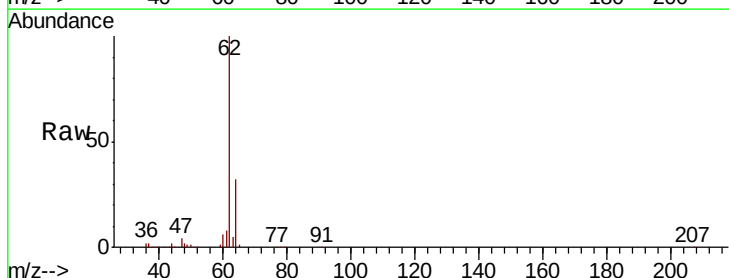
Acq: 28 Oct 2019 14:42

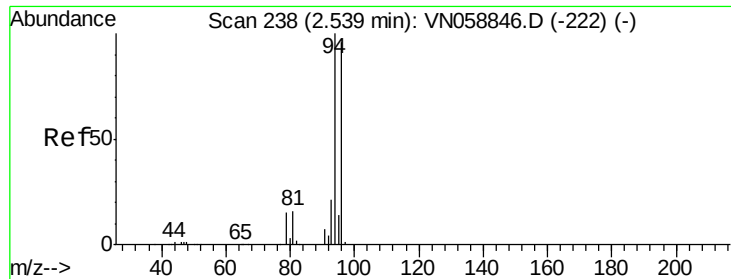
Tgt Ion: 62 Resp: 273761

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 43.481 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

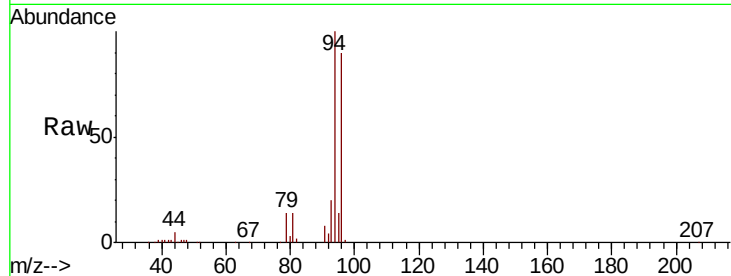
ClientSampled :

Tot Ion: 94 Resp: 165574

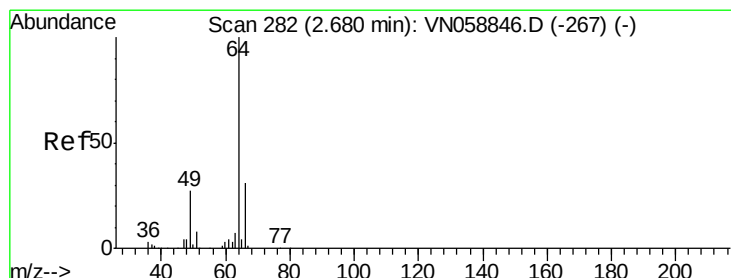
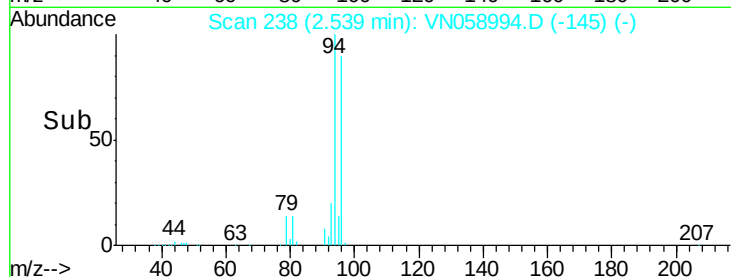
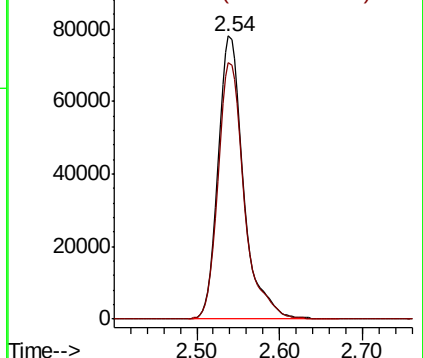
Ion Ratio Lower Upper

94 100

96 90.5 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.443 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058994.D

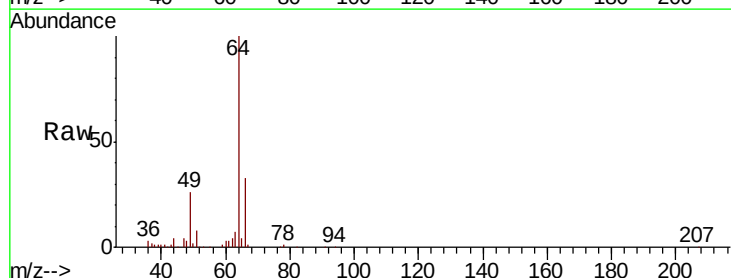
Acq: 28 Oct 2019 14:42

Tgt Ion: 64 Resp: 173309

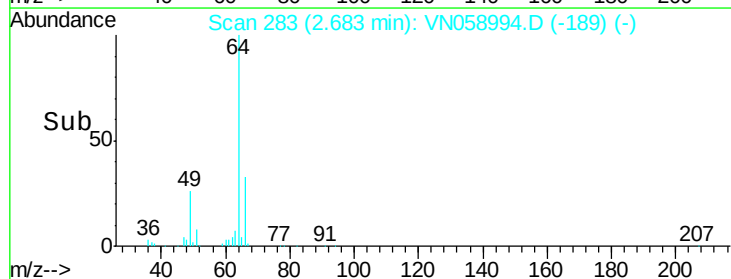
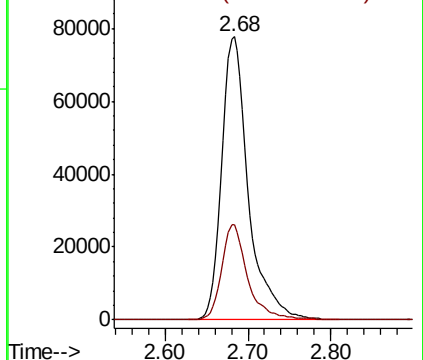
Ion Ratio Lower Upper

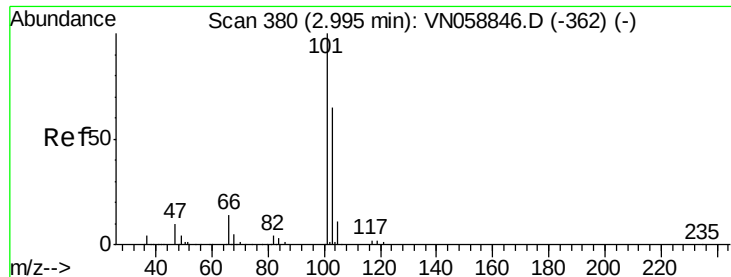
64 100

66 33.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



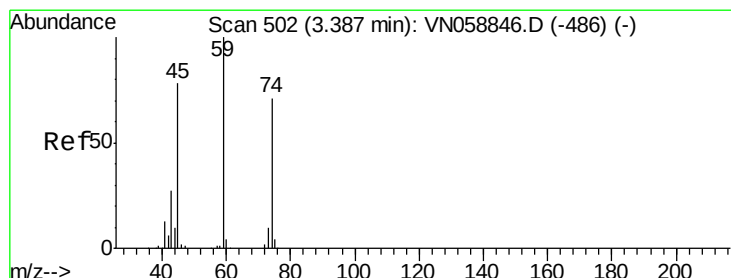
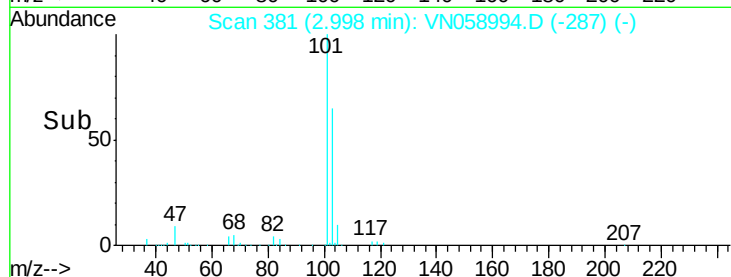
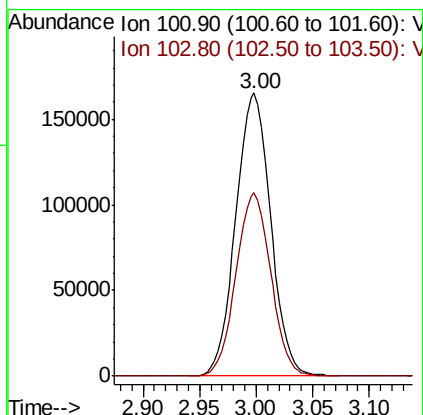
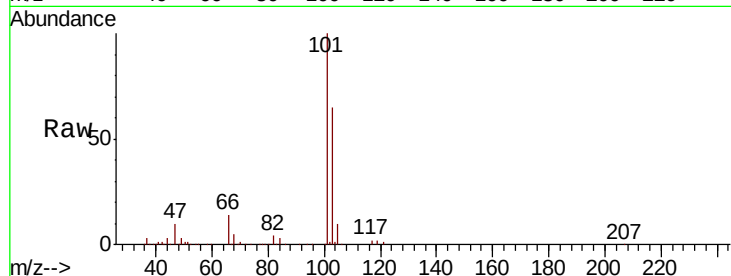


#7

Trichlorofluoromethane
Concen: 47.346 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampled :

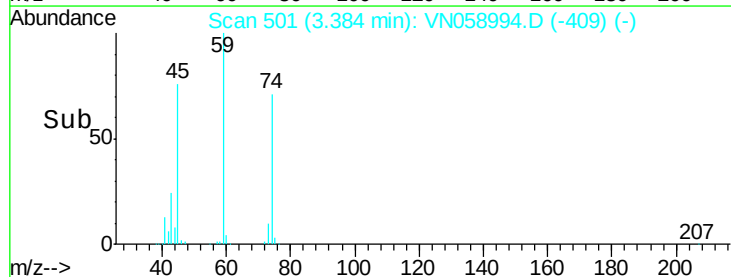
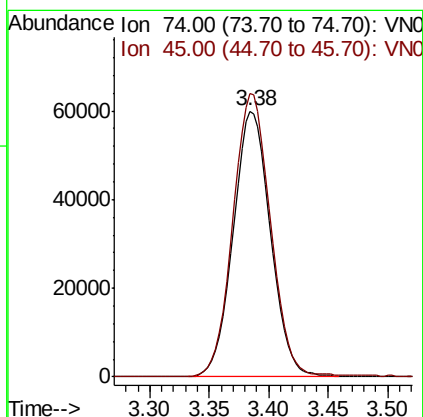
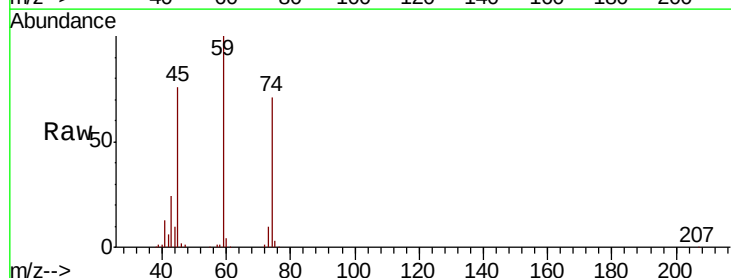
Tot Ion:101 Resp: 356238
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.2

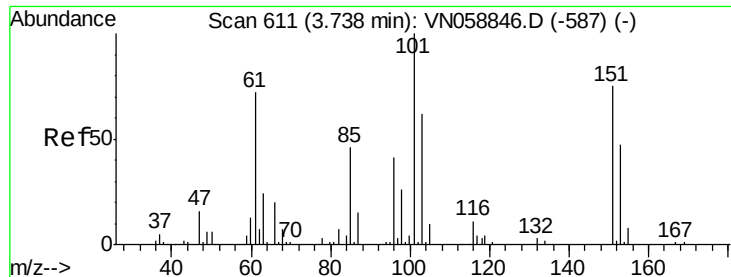


#8

Diethyl Ether
Concen: 50.133 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 74 Resp: 130351
Ion Ratio Lower Upper
74 100
45 107.5 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.893 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

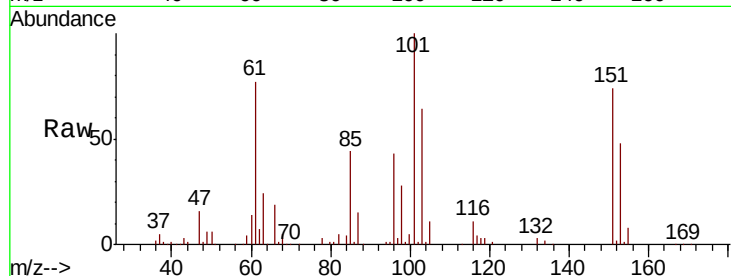
Tot Ion:101 Resp: 199769

Ion Ratio Lower Upper

101 100

85 45.5 37.2 55.8

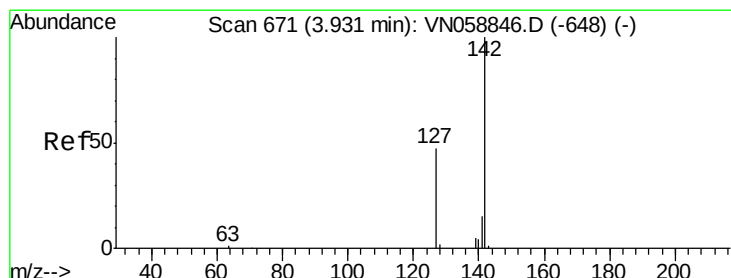
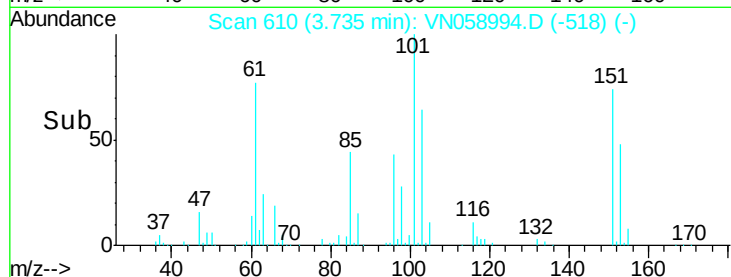
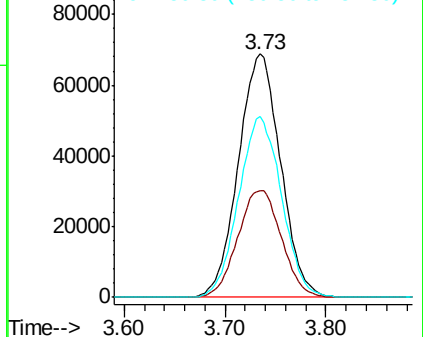
151 75.5 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.300 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

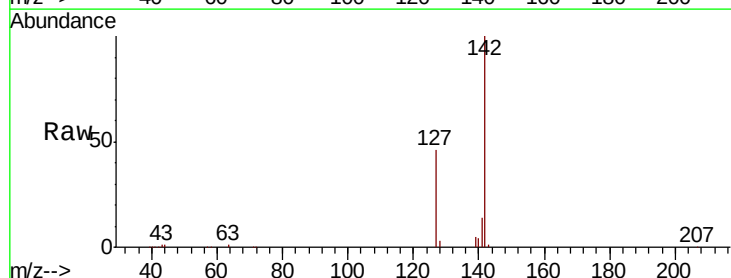
Tgt Ion:142 Resp: 248516

Ion Ratio Lower Upper

142 100

127 45.5 36.6 54.8

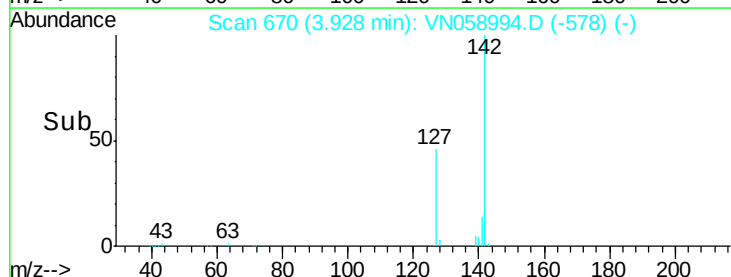
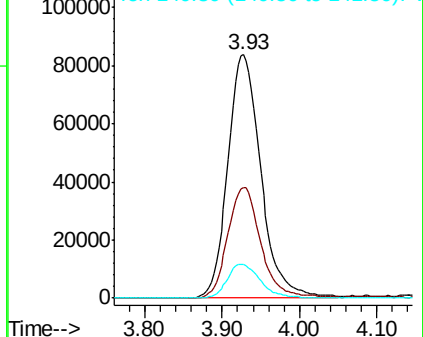
141 13.9 11.4 17.2

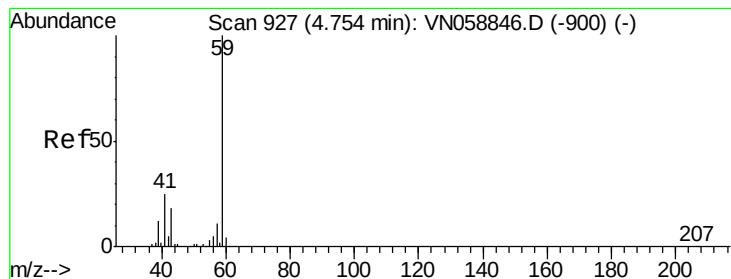


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



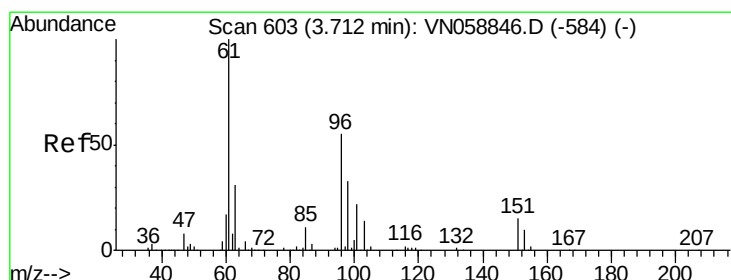
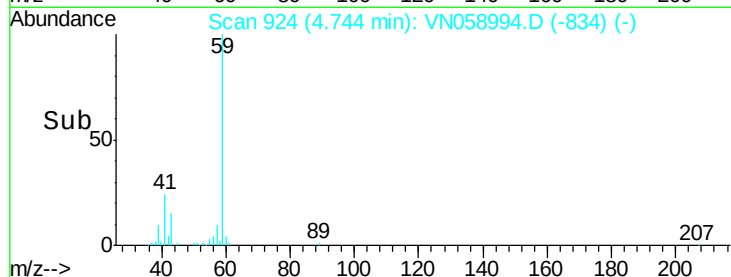
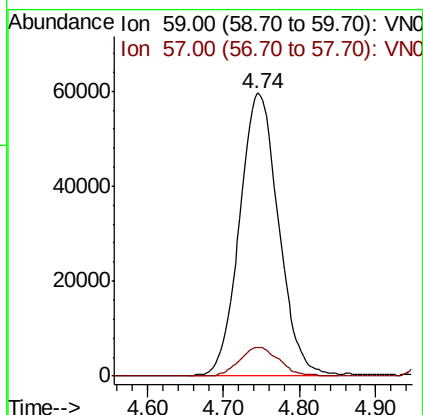
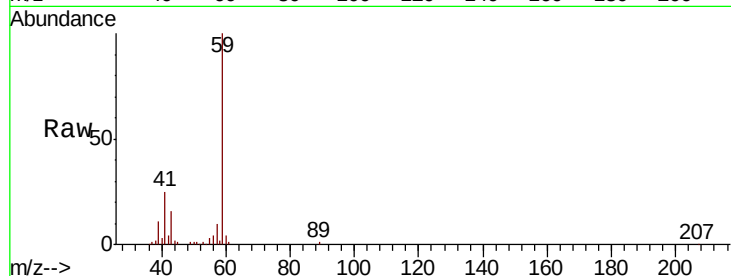


#11

Tert butyl alcohol
Concen: 220.631 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampled :

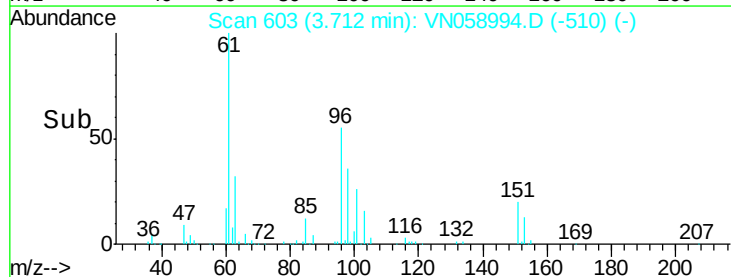
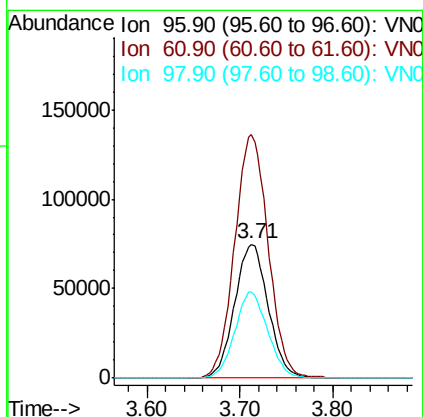
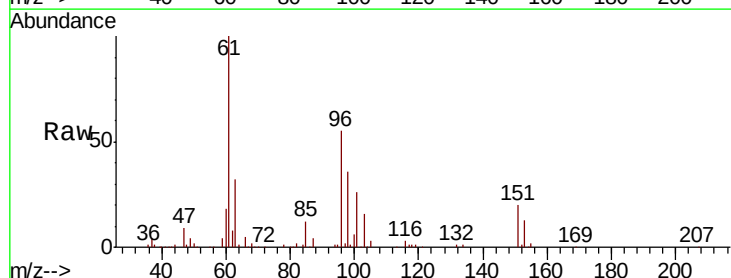
Tot Ion: 59 Resp: 212974
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

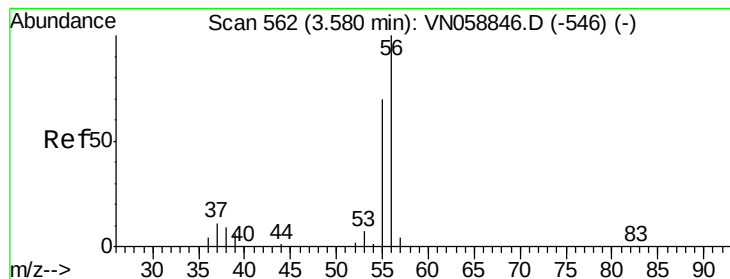


#12

1,1-Dichloroethene
Concen: 48.042 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 96 Resp: 187835
Ion Ratio Lower Upper
96 100
61 182.4 146.2 219.2
98 65.0 48.7 73.1





#13

Acrolein

Concen: 192.736 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

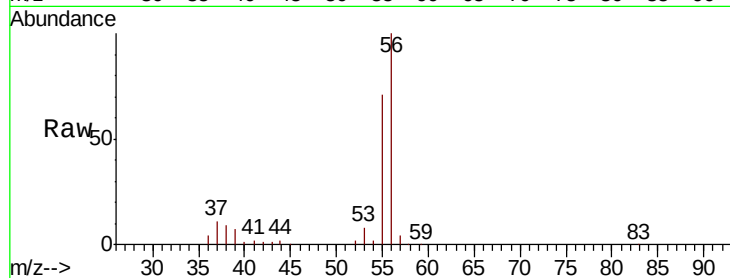
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 127834

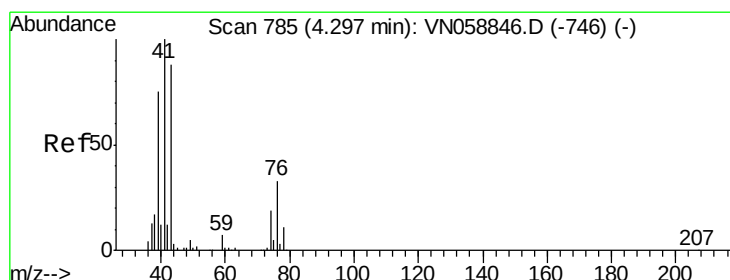
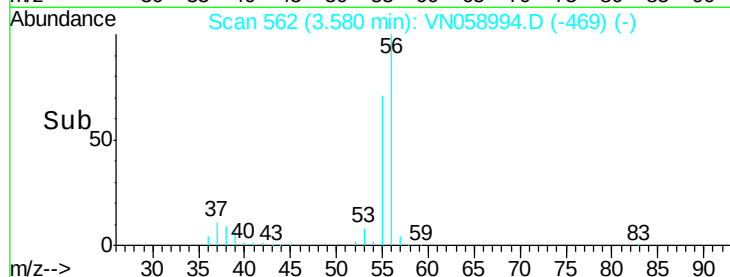
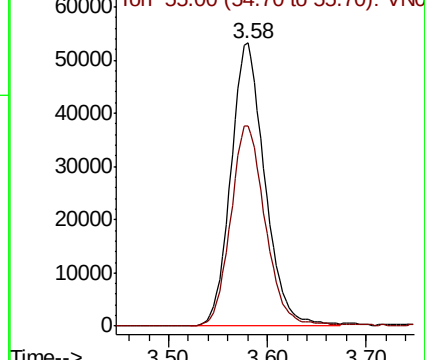
Ion Ratio Lower Upper

56 100

55 71.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN058846.D (-546) (-)



#14

Allyl chloride

Concen: 45.598 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

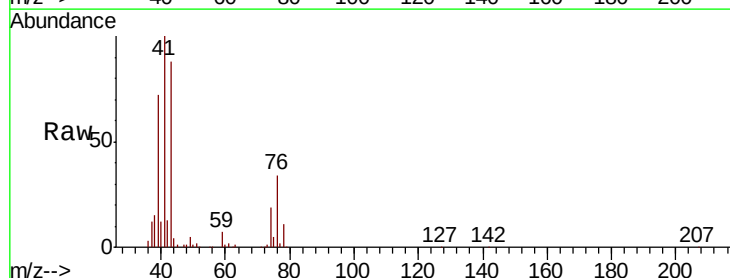
Tgt Ion: 41 Resp: 360759

Ion Ratio Lower Upper

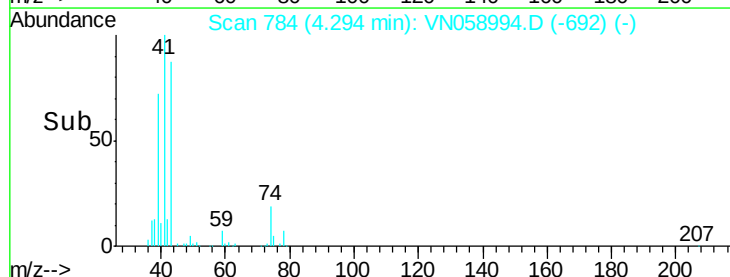
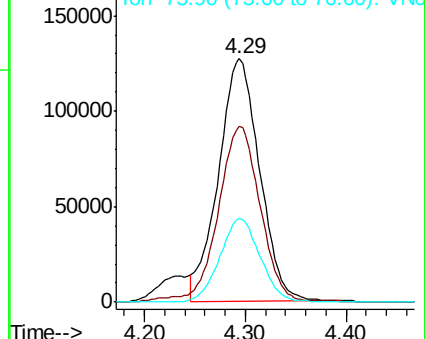
41 100

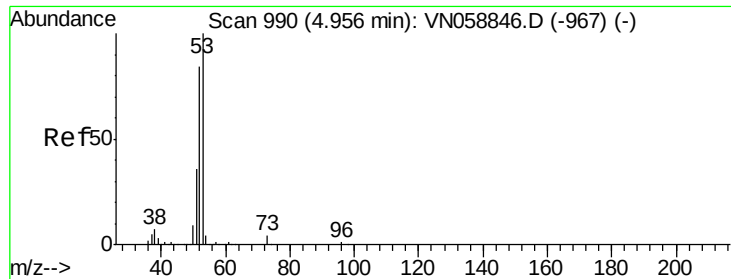
39 74.5 55.9 83.9

76 33.7 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-746) (-)





#15

Acrylonitrile

Concen: 245.488 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

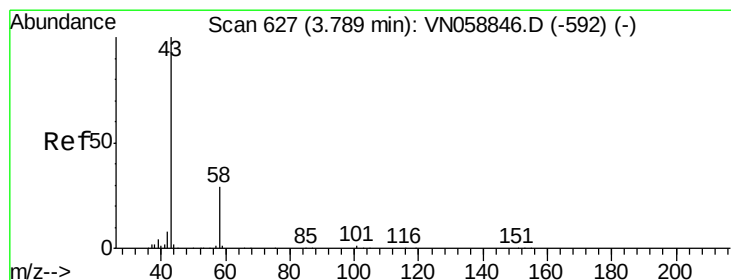
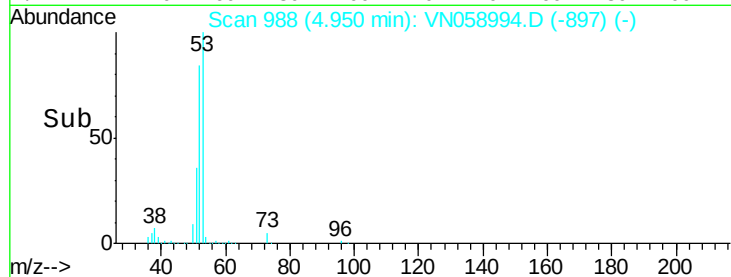
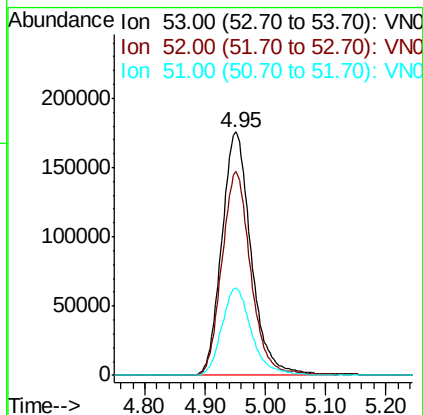
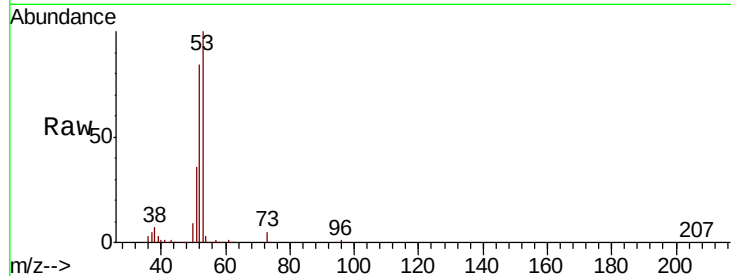
Tot Ion: 53 Resp: 596070

Ion Ratio Lower Upper

53 100

52 81.8 66.6 99.8

51 36.3 29.2 43.8



#16

Acetone

Concen: 232.594 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN058994.D

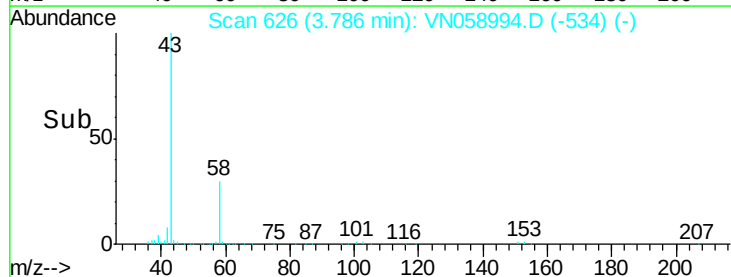
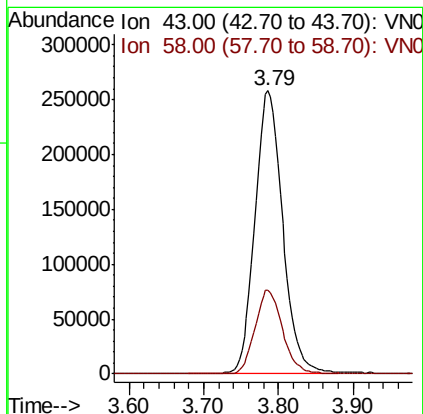
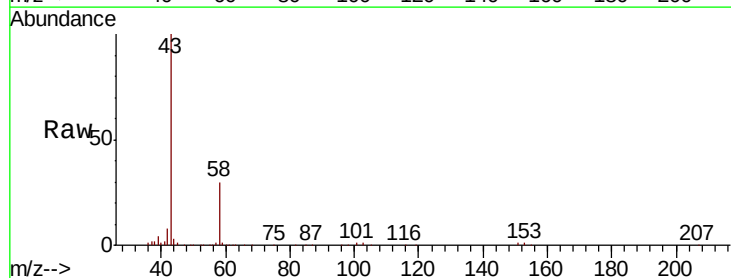
Acq: 28 Oct 2019 14:42

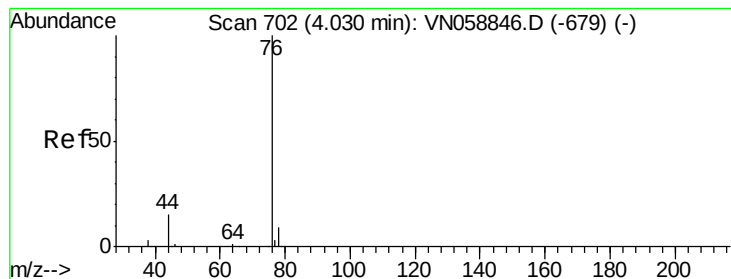
Tgt Ion: 43 Resp: 668563

Ion Ratio Lower Upper

43 100

58 29.5 23.1 34.7





#17

Carbon Disulfide

Concen: 42.847 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

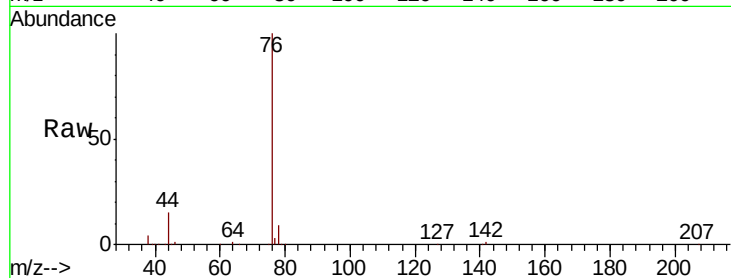
ClientSampleId :

Tot Ion: 76 Resp: 539648

Ion Ratio Lower Upper

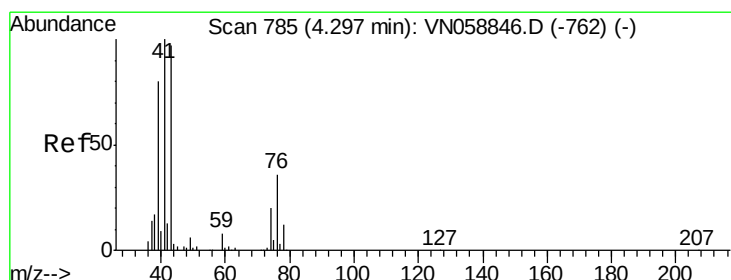
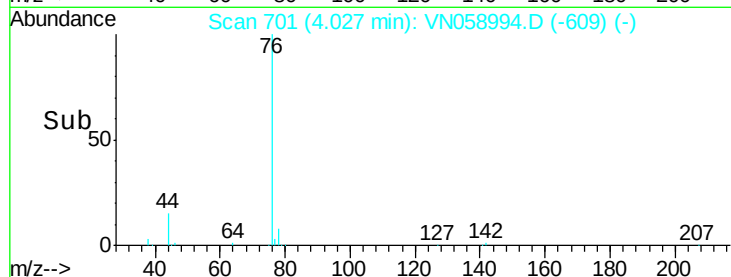
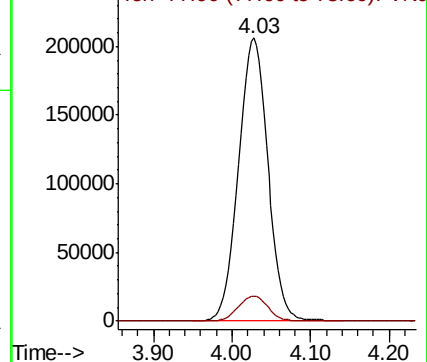
76 100

78 8.9 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: 48.445 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058994.D

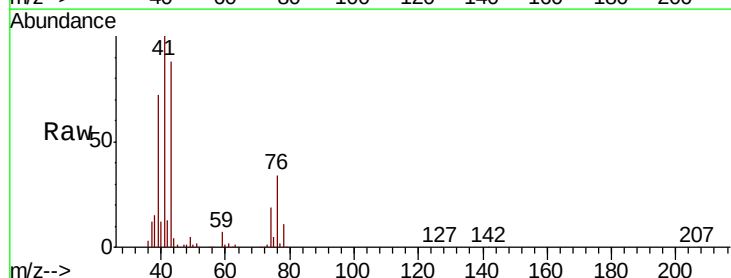
Acq: 28 Oct 2019 14:42

Tgt Ion: 43 Resp: 316586

Ion Ratio Lower Upper

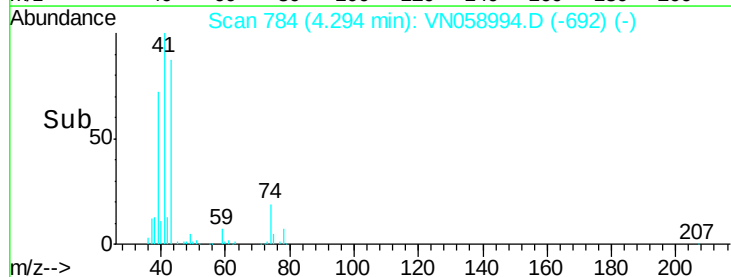
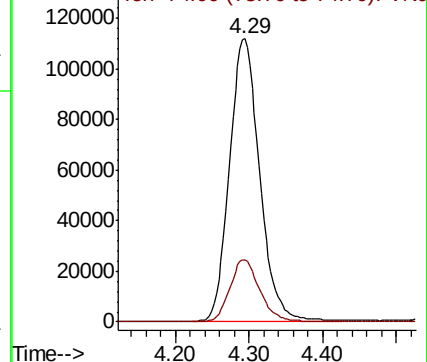
43 100

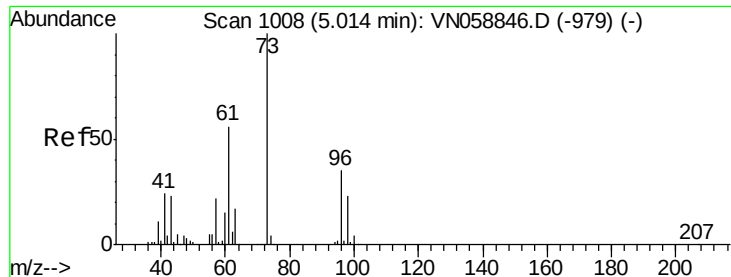
74 21.9 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



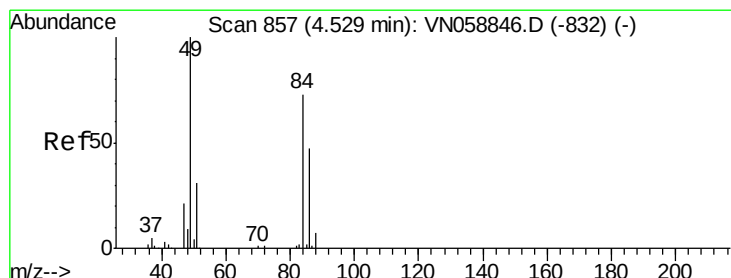
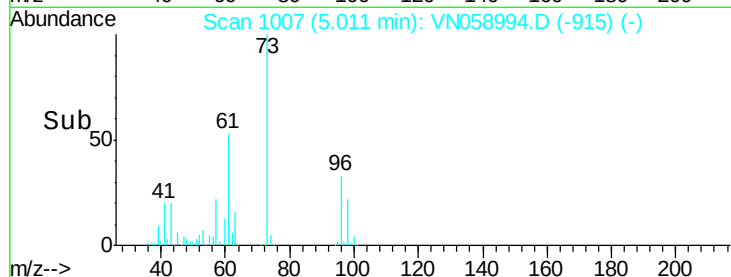
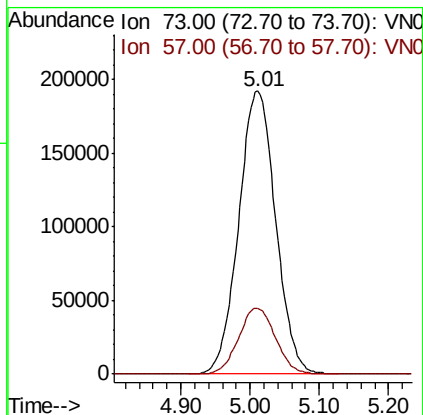
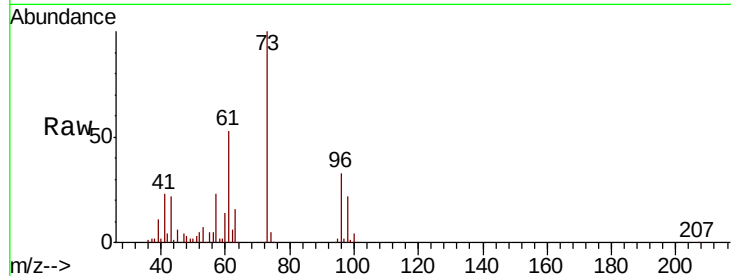


#19

Methvl tert-butyl Ether
 Concen: 52.087 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :

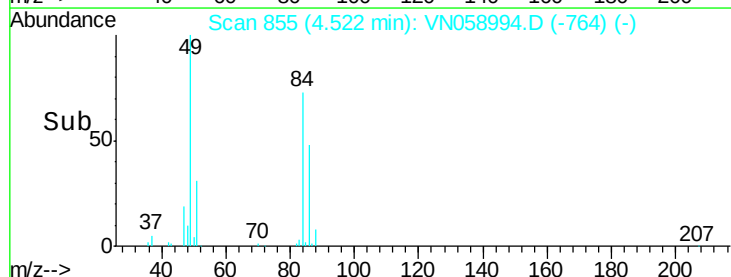
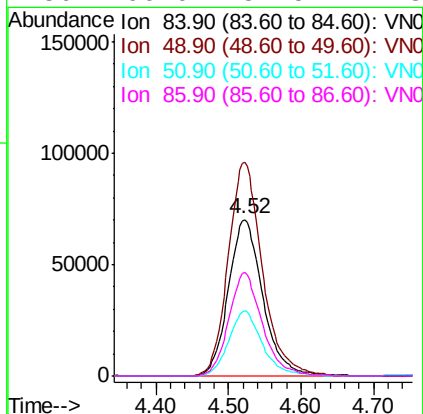
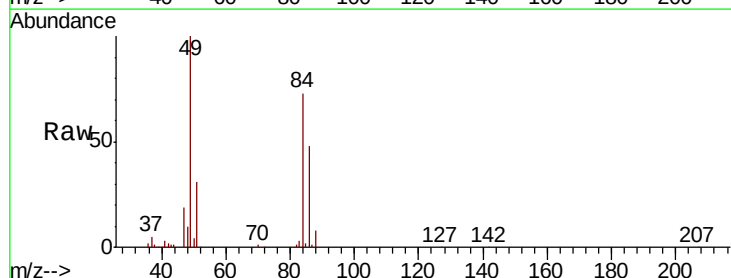
Tot Ion: 73 Resp: 713103
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.9 26.9

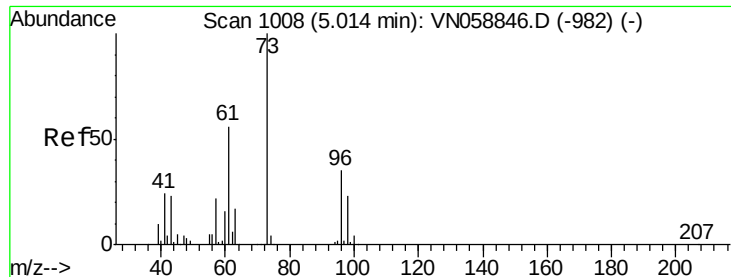


#20

Methylene Chloride
 Concen: 47.219 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 84 Resp: 231754
 Ion Ratio Lower Upper
 84 100
 49 136.3 109.6 164.4
 51 41.6 33.8 50.6
 86 66.0 51.5 77.3

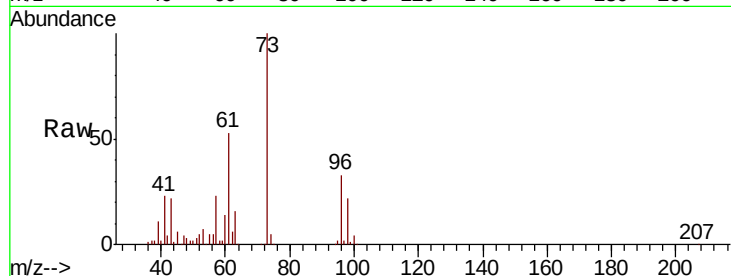




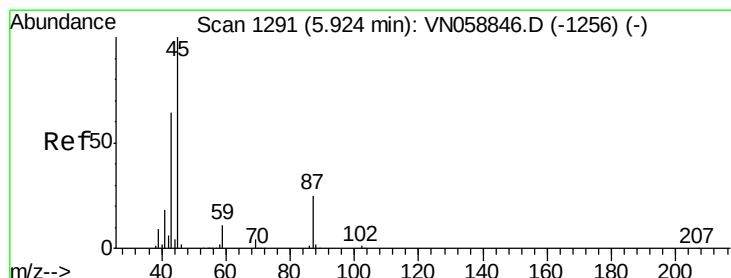
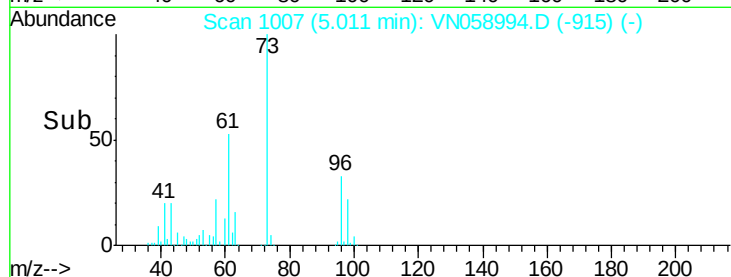
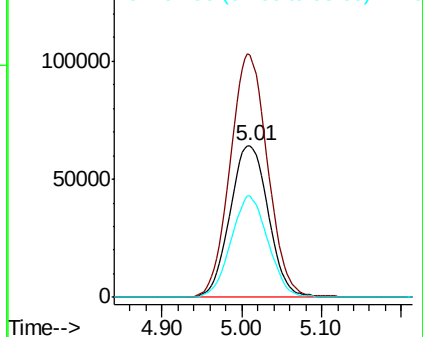
#21
trans-1,2-Dichloroethene
Concen: 48.489 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 209371
Ion Ratio Lower Upper
96 100
61 159.5 126.7 190.1
98 66.6 52.0 78.0

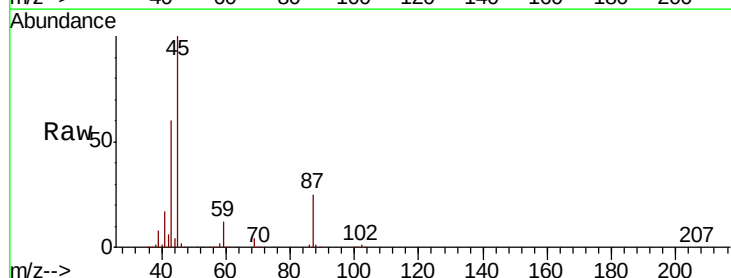


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

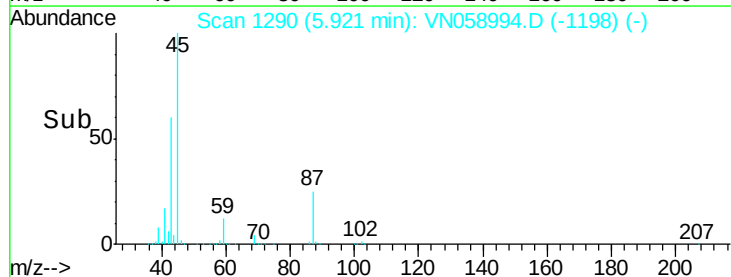
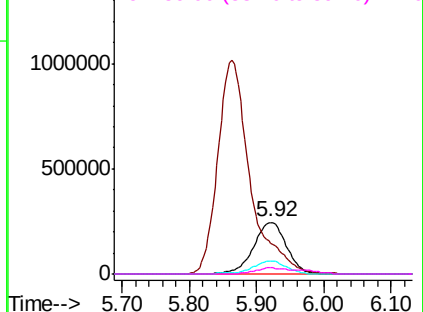


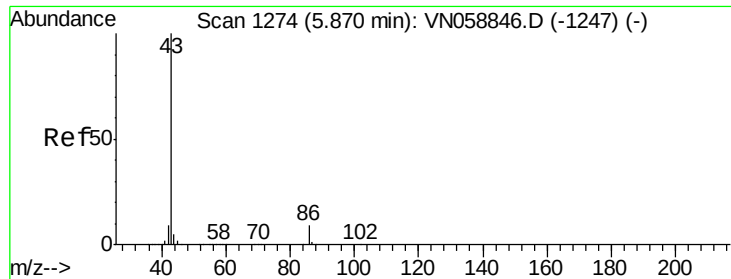
#22
Diisopropyl ether
Concen: 54.000 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 45 Resp: 835650
Ion Ratio Lower Upper
45 100
43 59.7 52.9 79.3
87 24.9 20.2 30.4
59 11.4 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

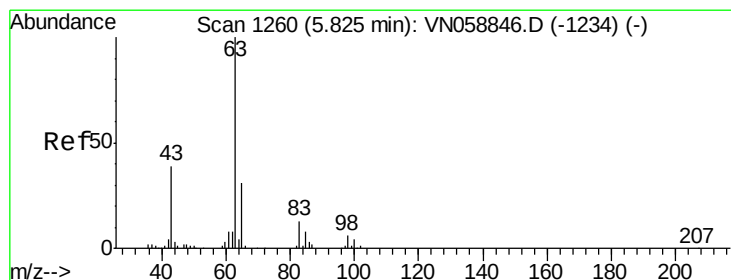
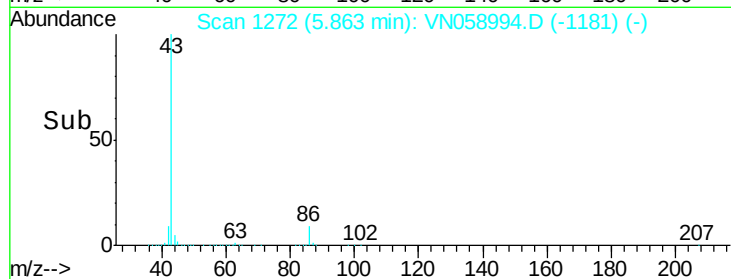
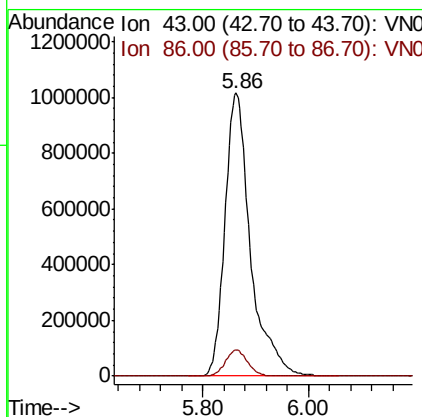
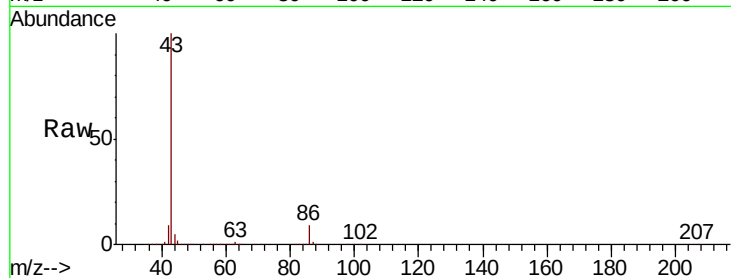




#23
 Vinyl Acetate
 Concen: 273.748 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

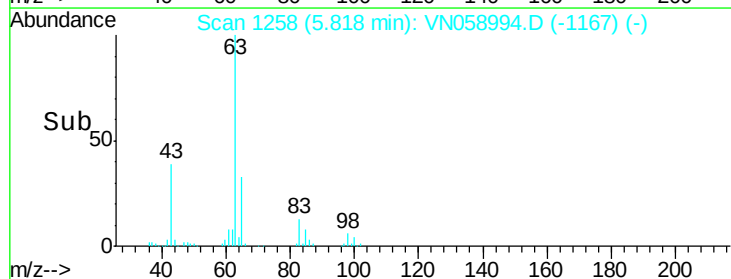
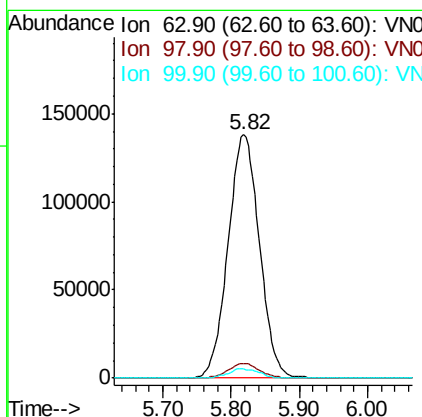
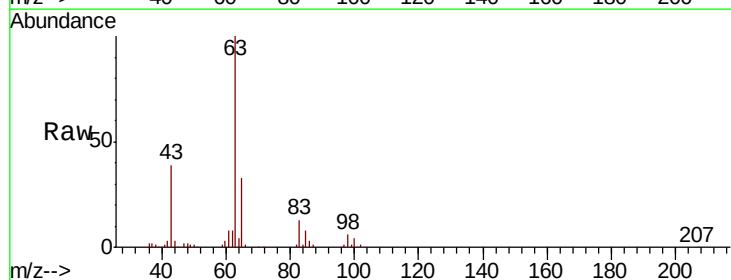
Instrument :
 MSVOA_N
 ClientSampleId :

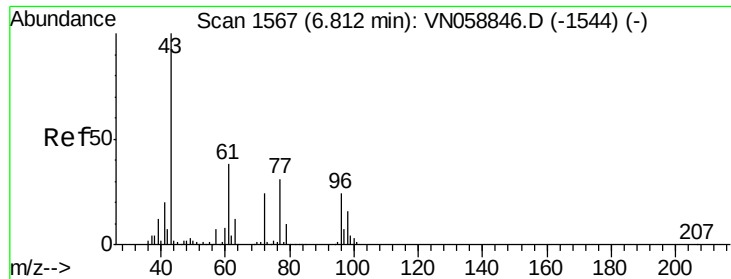
Tot Ion: 43 Resp: 3403527
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 49.151 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 63 Resp: 441042
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 235.069 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

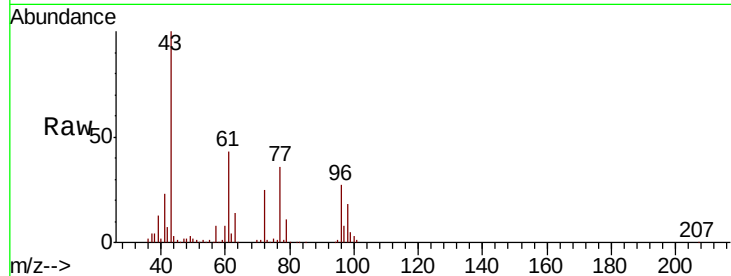
ClientSampled :

Tot Ion: 43 Resp: 877099

Ion Ratio Lower Upper

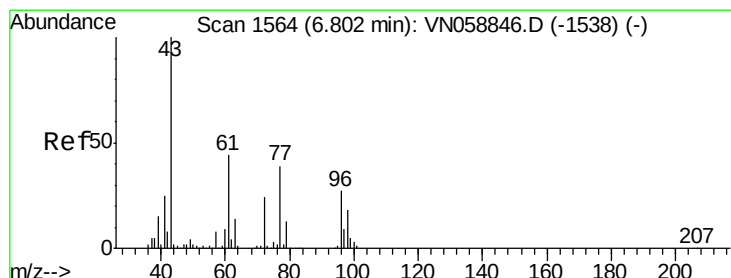
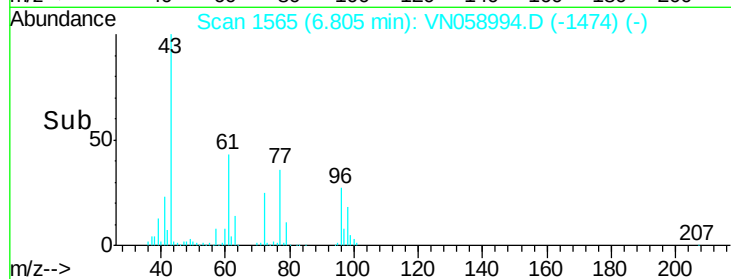
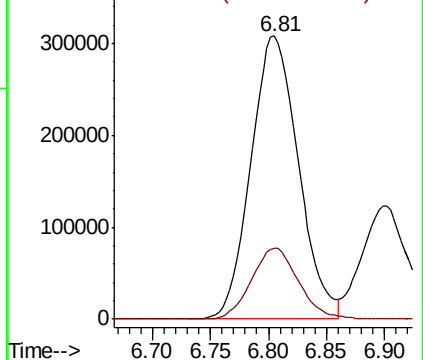
43 100

72 25.2 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.357 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058994.D

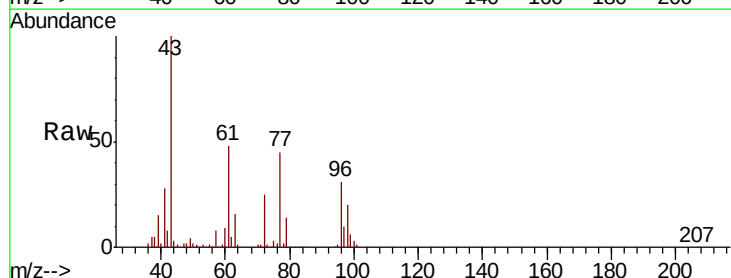
Acq: 28 Oct 2019 14:42

Tgt Ion: 77 Resp: 390845

Ion Ratio Lower Upper

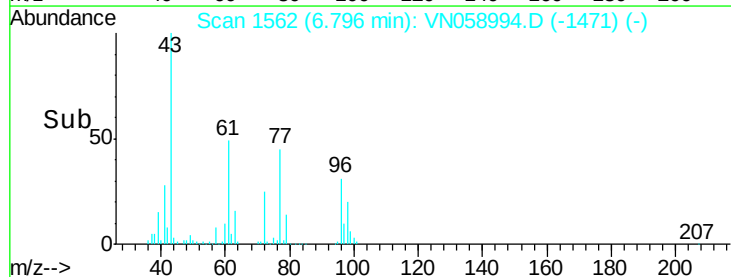
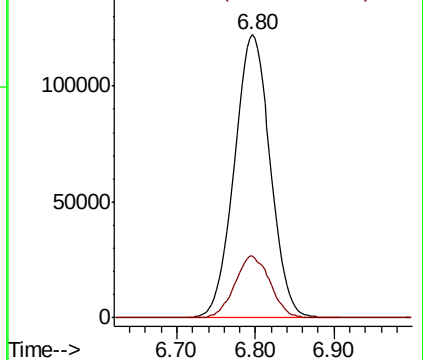
77 100

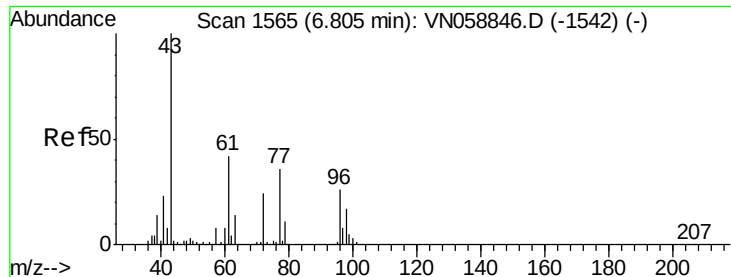
97 21.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.820 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :

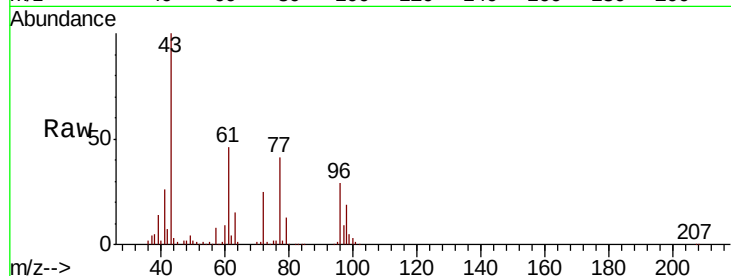
Tot Ion: 96 Resp: 250669

Ion Ratio Lower Upper

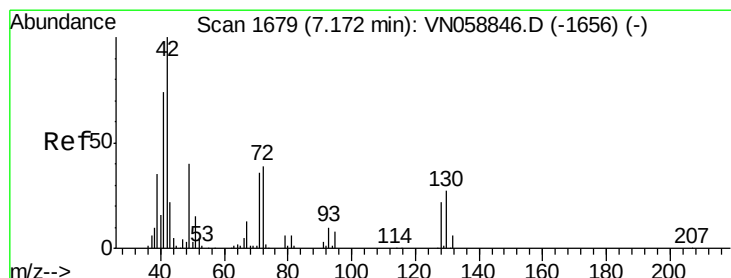
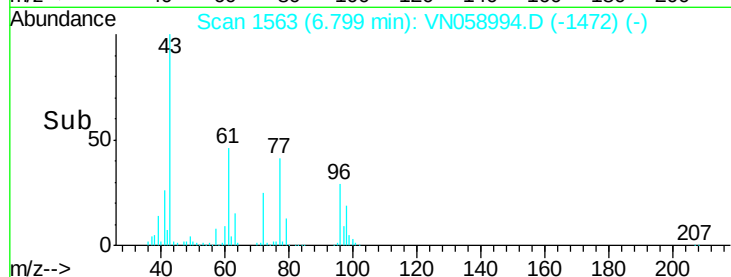
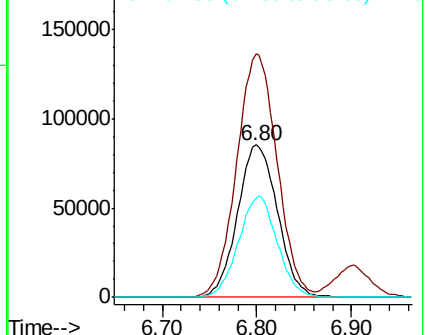
96 100

61 161.3 0.0 325.0

98 64.6 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: 49.003 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

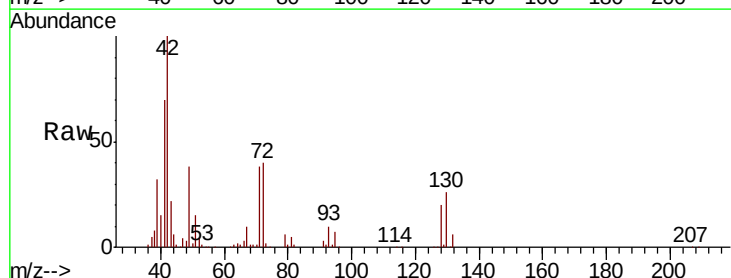
Tgt Ion: 49 Resp: 146442

Ion Ratio Lower Upper

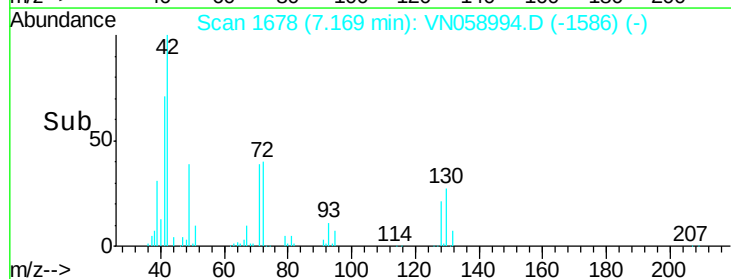
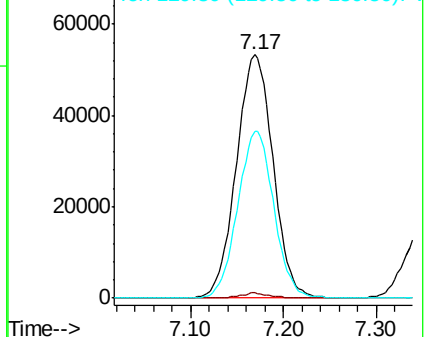
49 100

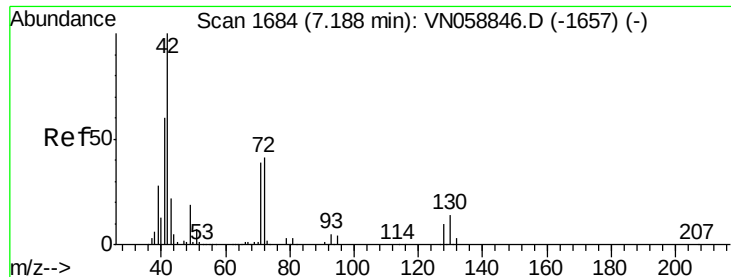
129 1.6 0.0 3.2

130 67.3 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

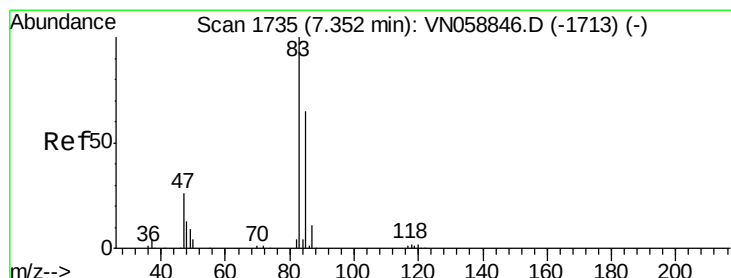
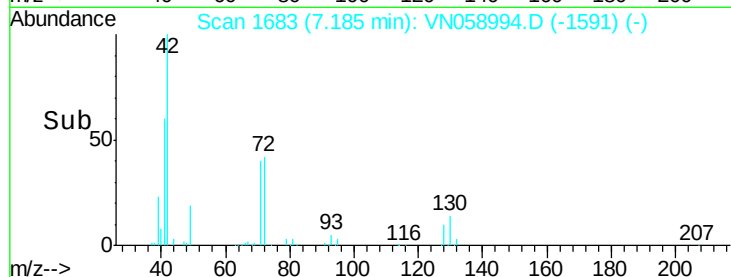
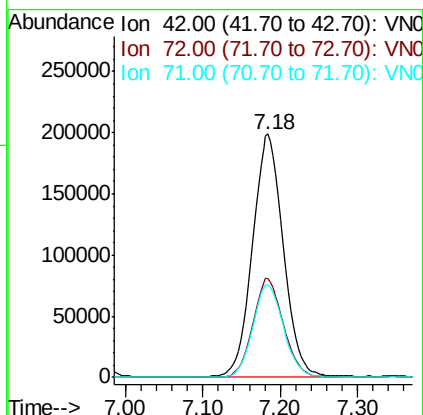
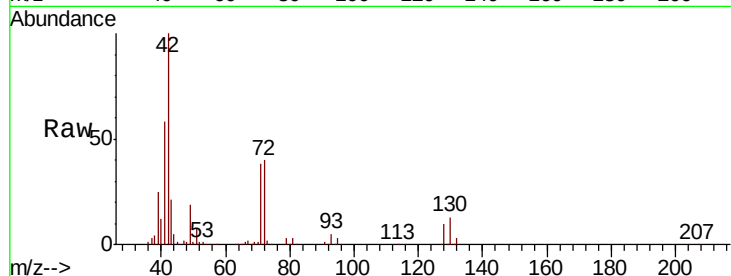




#29
Tetrahydrofuran
Concen: 241.915 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

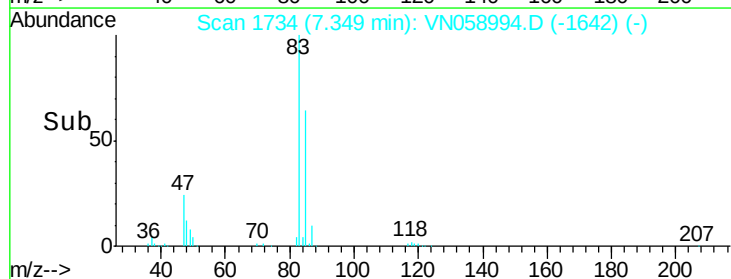
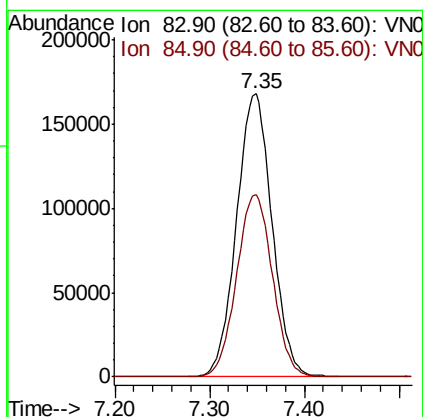
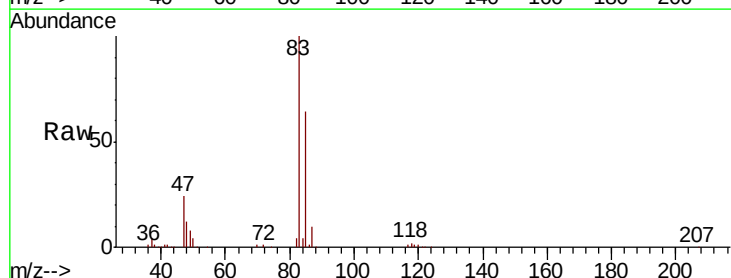
Instrument :
MSVOA_N
ClientSampled :

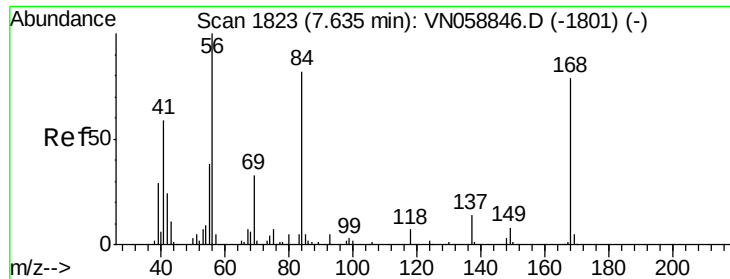
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.5	30.6	45.8



#30
Chloroform
Concen: 48.708 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.9	77.9

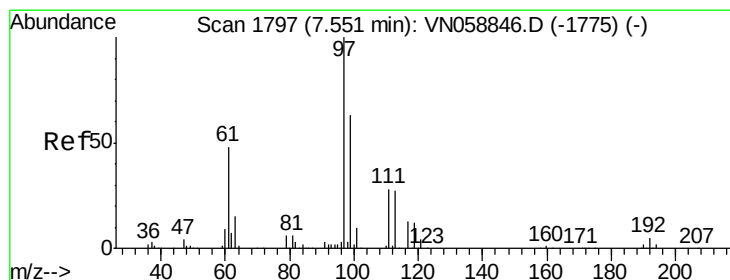
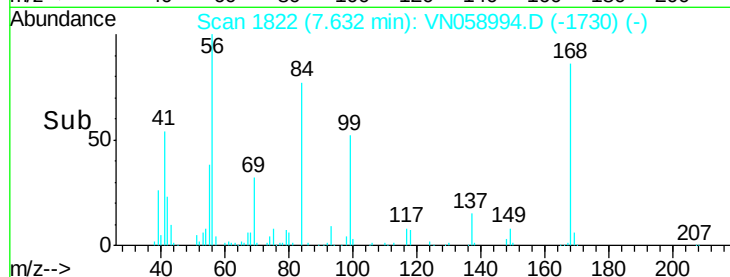
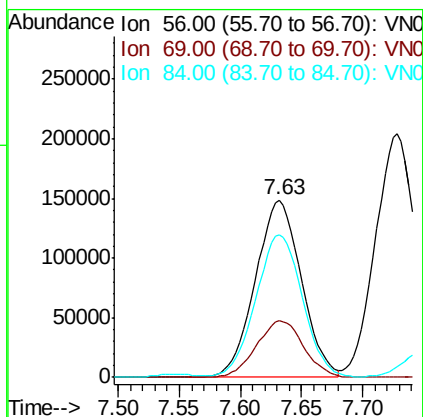
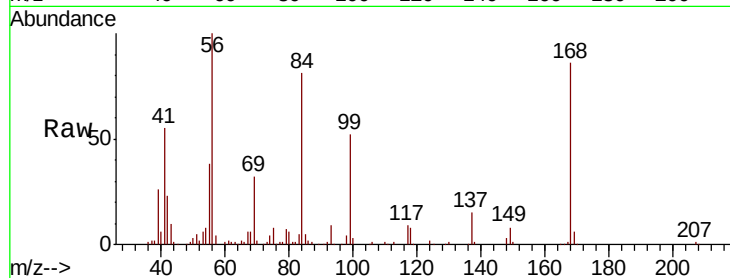




#31
Cyclohexane
Concen: 46.580 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

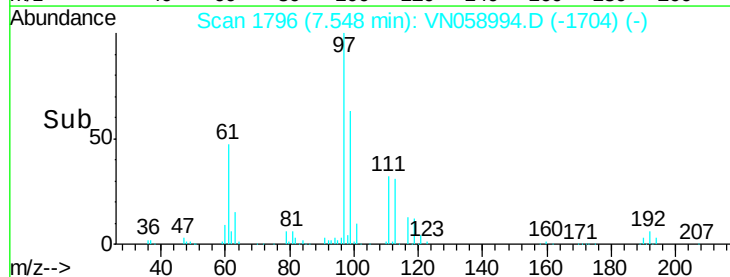
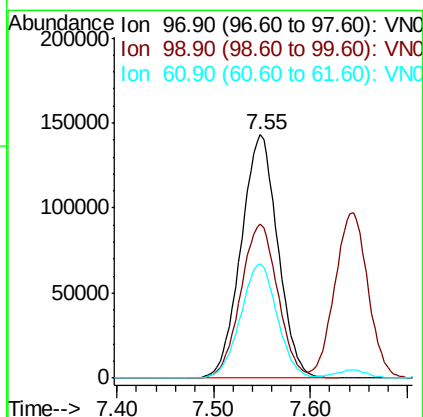
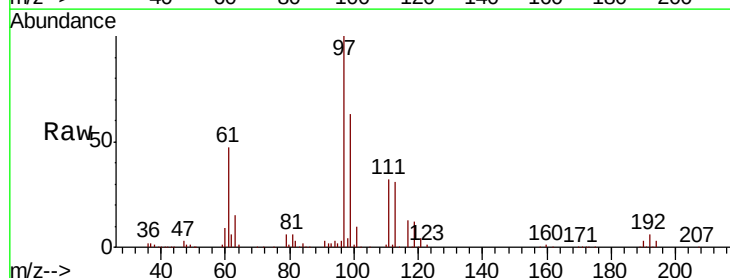
Instrument :
MSVOA_N
ClientSampleId :

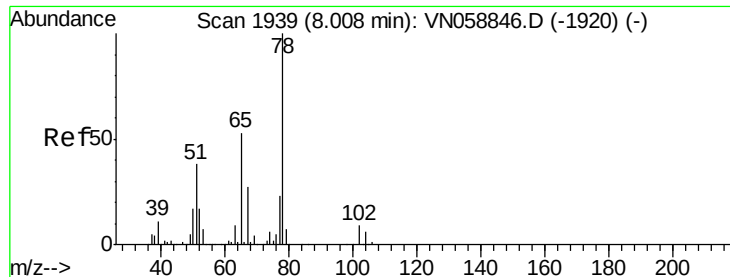
Tot Ion: 56 Resp: 389386
Ion Ratio Lower Upper
56 100
69 31.9 26.2 39.4
84 79.2 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 49.761 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 97 Resp: 377526
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 46.8 38.6 58.0

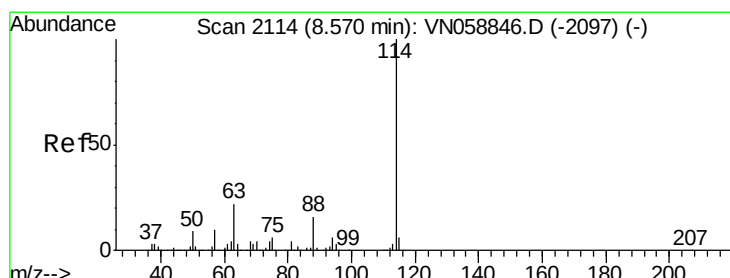
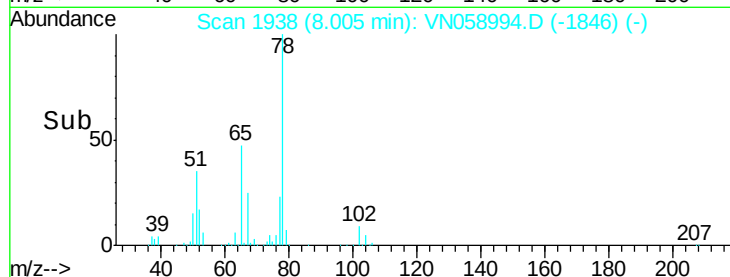
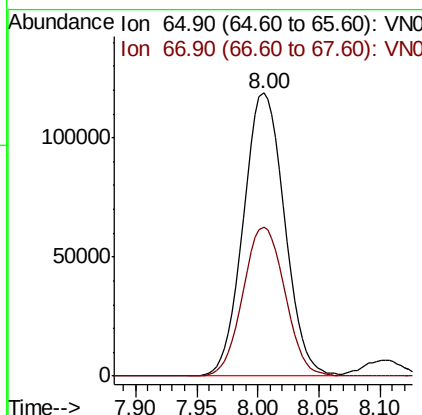
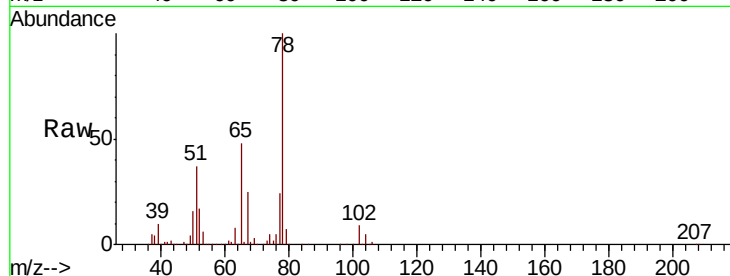




#33
 1,2-Dichloroethane-d4
 Concen: 47.777 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

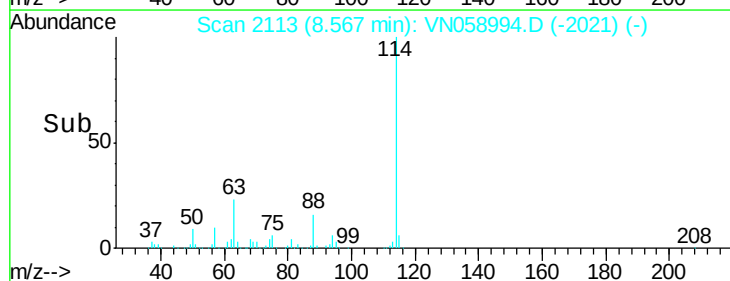
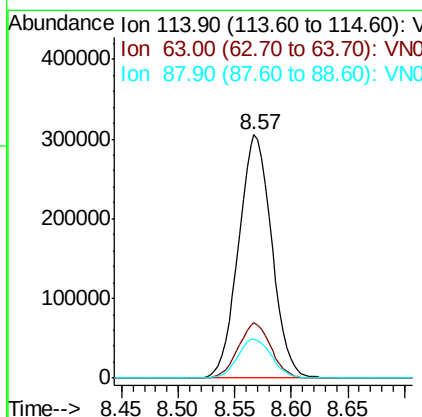
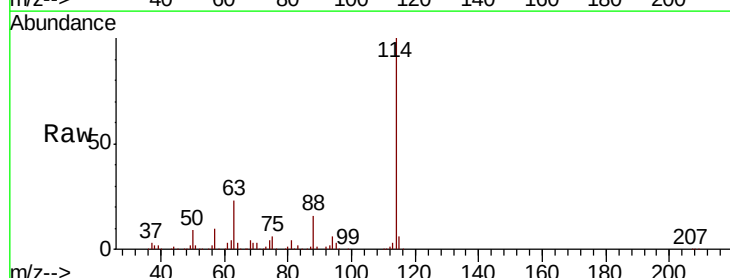
Instrument :
 MSVOA_N
 ClientSampleId :

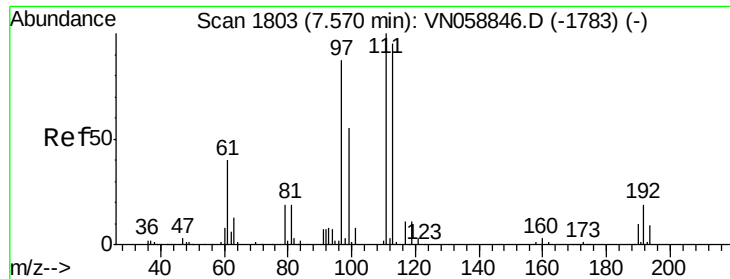
Tot Ion: 65 Resp: 277915
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 114 Resp: 624221
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.2 0.0 31.4

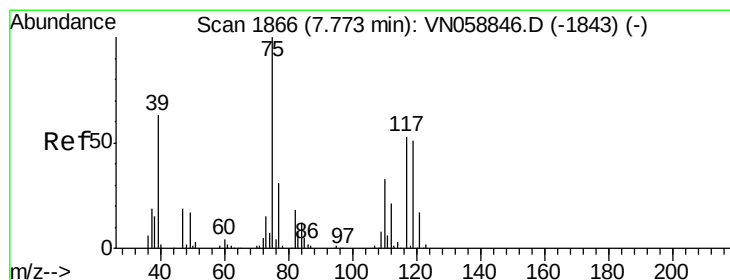
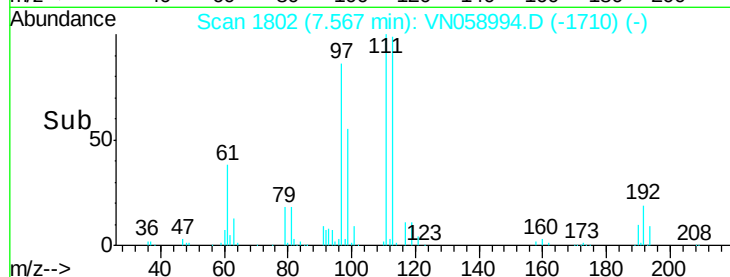
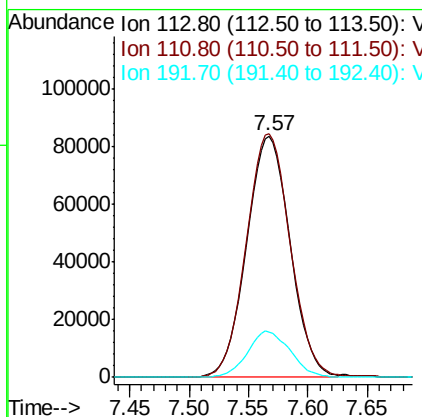
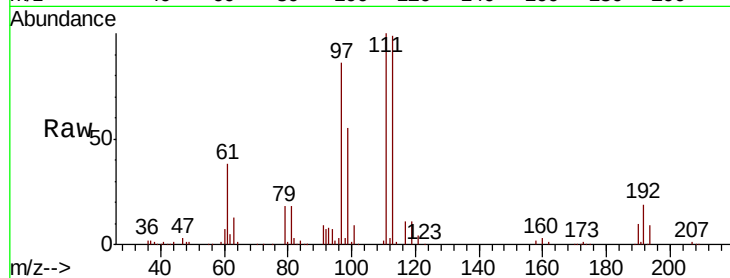




#35
 Dibromofluoromethane
 Concen: 51.519 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

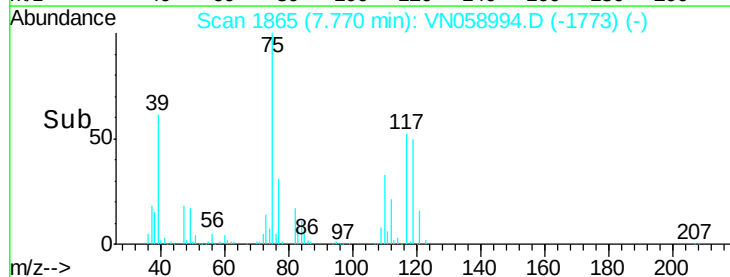
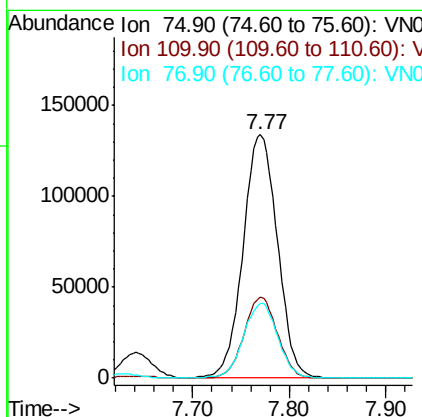
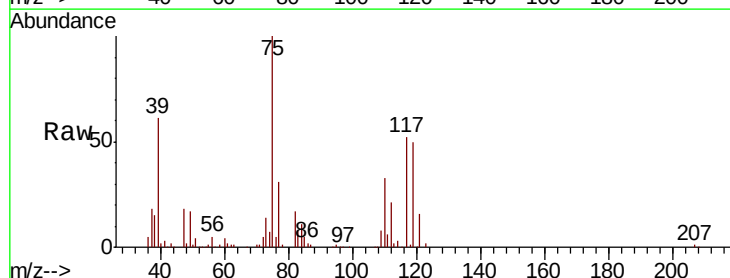
Instrument :
 MSVOA_N
 ClientSampled :

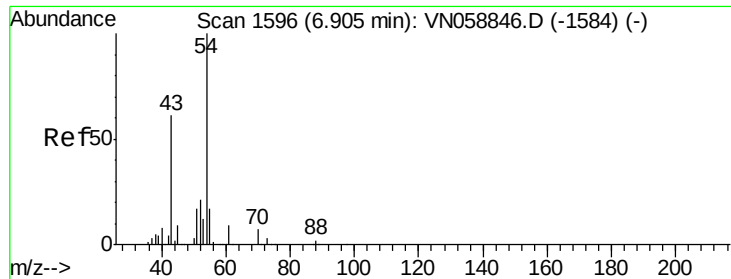
Tot Ion:113 Resp: 211437
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 19.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 51.434 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 75 Resp: 328699
 Ion Ratio Lower Upper
 75 100
 110 32.5 16.3 48.9
 77 30.9 24.6 36.8

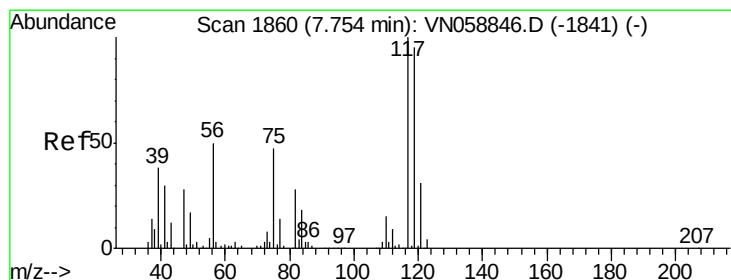
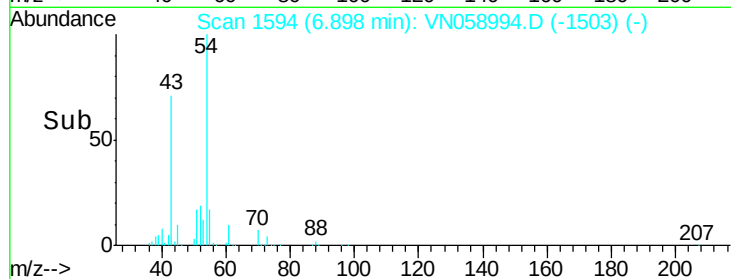
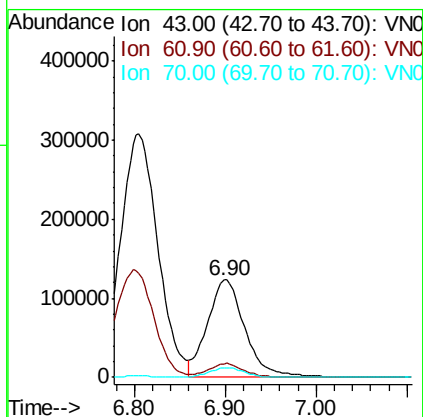
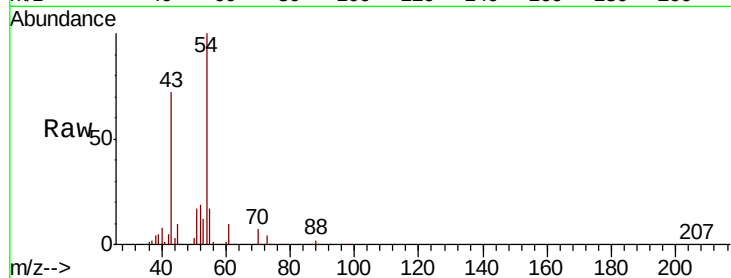




#37
Ethyl Acetate
Concen: 49.693 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

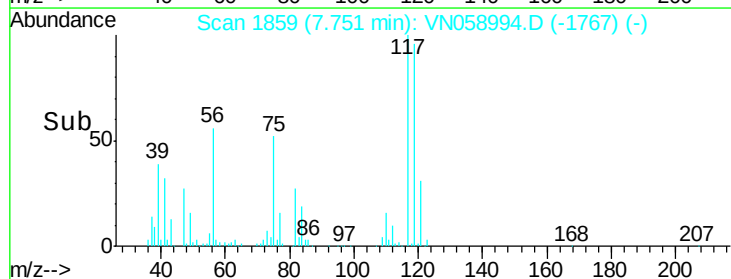
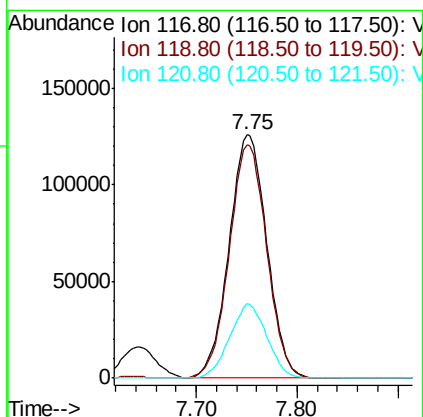
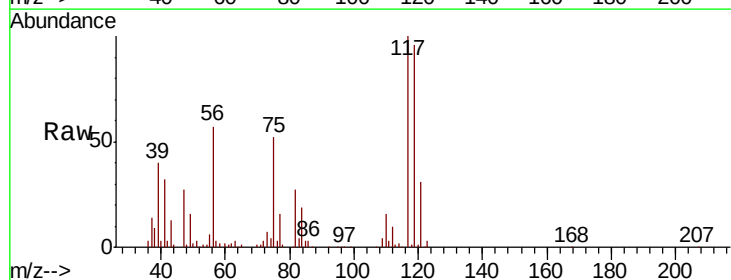
Instrument :
MSVOA_N
ClientSampleId :

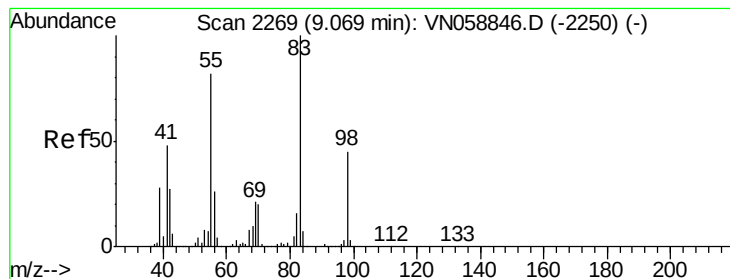
Tot Ion: 43 Resp: 346035
Ion Ratio Lower Upper
43 100
61 13.3 10.5 15.7
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.570 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 117 Resp: 326354
Ion Ratio Lower Upper
117 100
119 96.0 75.7 113.5
121 30.6 25.0 37.6





#39

Methylvlcyclohexane

Concen: 52.711 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

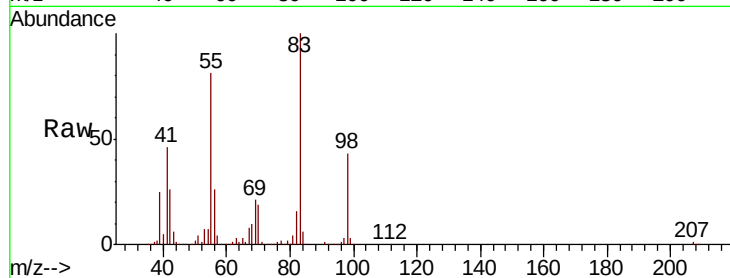
Tot Ion: 83 Resp: 378242

Ion Ratio Lower Upper

83 100

55 80.9 65.5 98.3

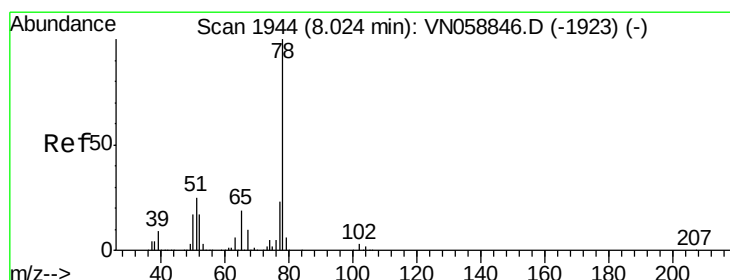
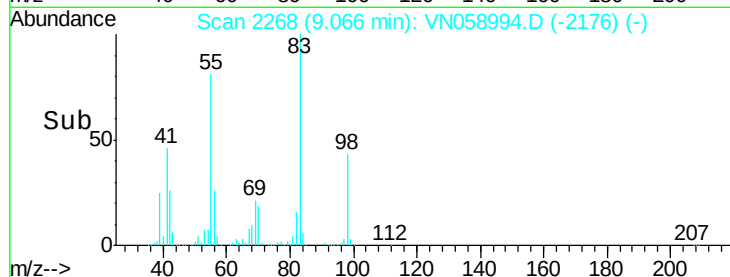
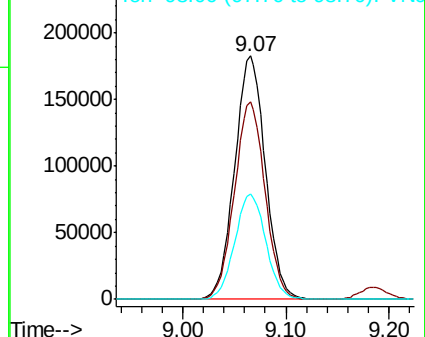
98 43.2 35.7 53.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 51.992 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN058994.D

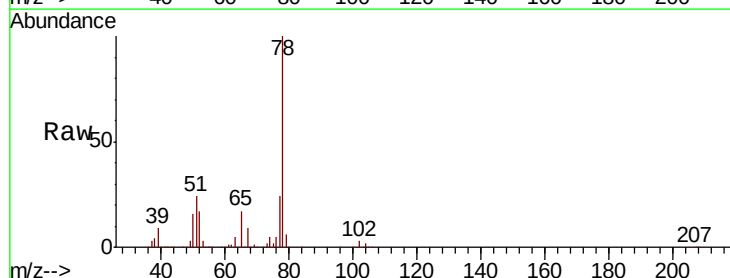
Acq: 28 Oct 2019 14:42

Tgt Ion: 78 Resp: 975694

Ion Ratio Lower Upper

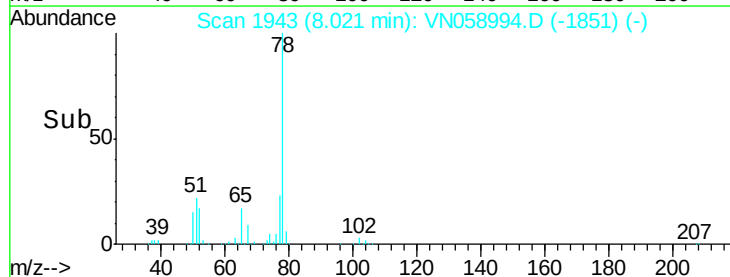
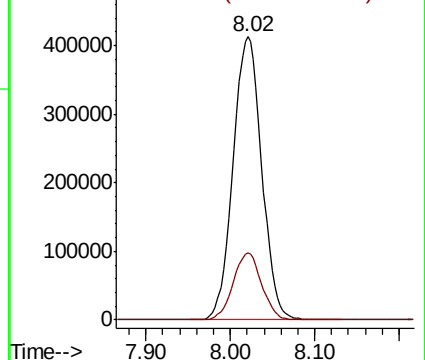
78 100

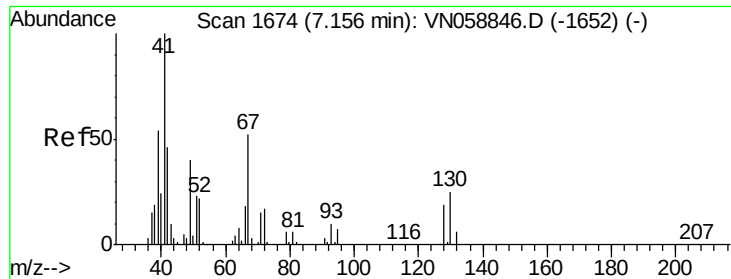
77 23.7 18.2 27.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

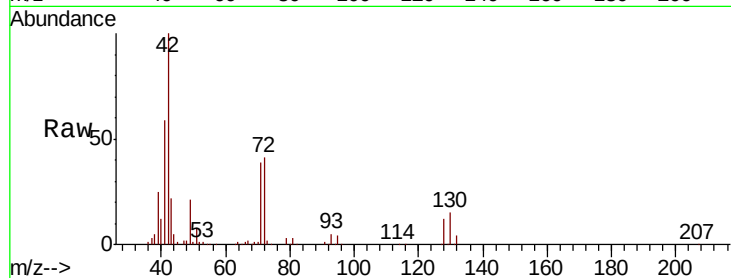




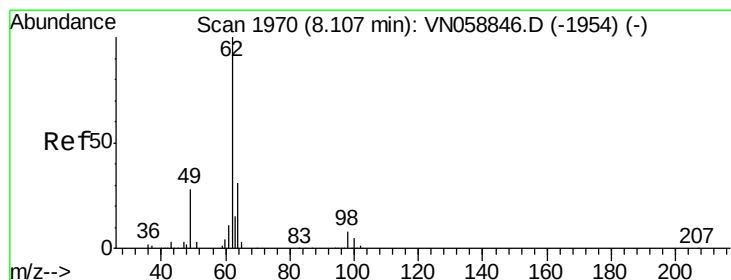
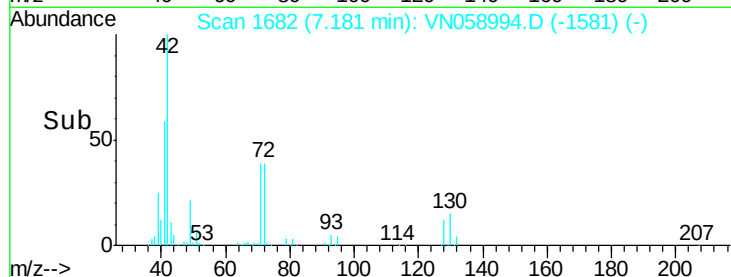
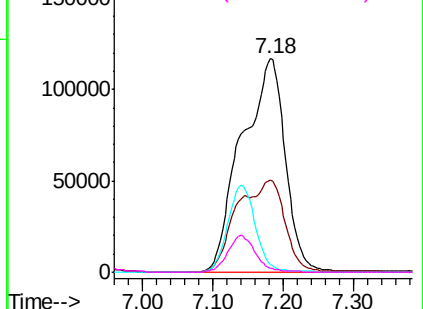
#41
Methacrylonitrile
Concen: 161.999 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	502420
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

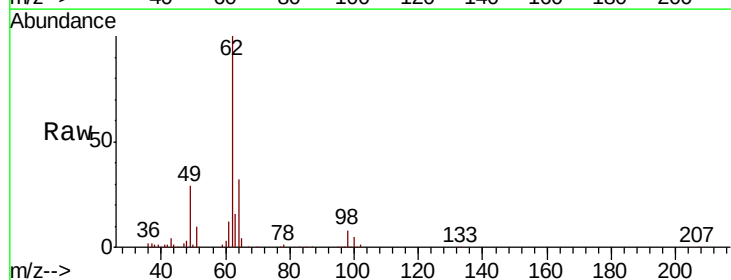


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

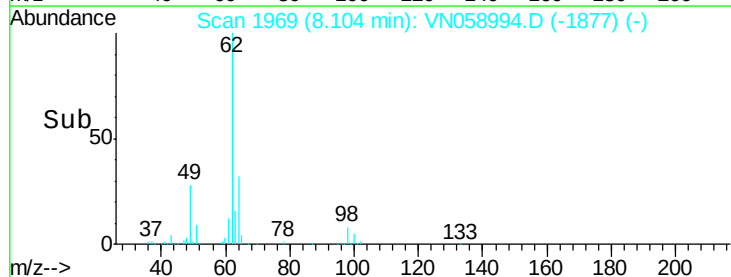
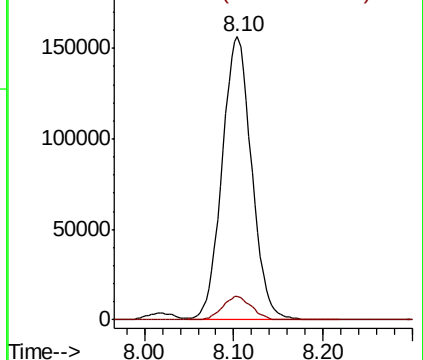


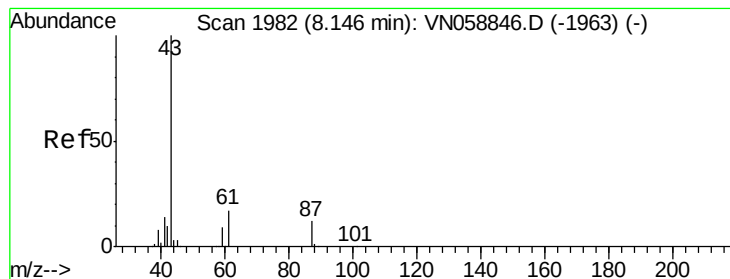
#42
1,2-Dichloroethane
Concen: 49.708 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion:	62	Resp:	359335
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 51.414 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

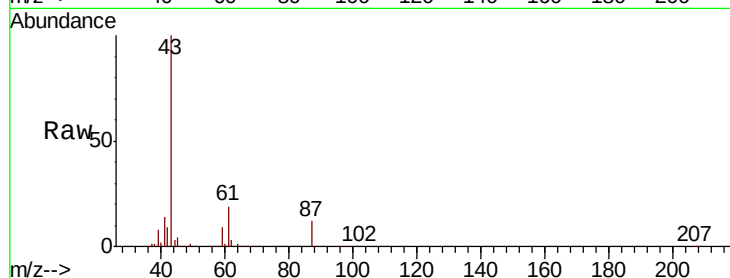
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 574186

Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.2	30.2
87	12.4	9.5	14.3



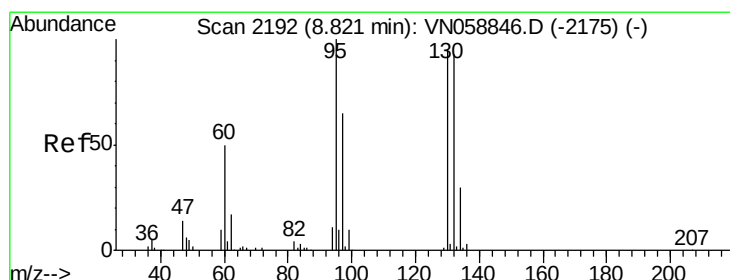
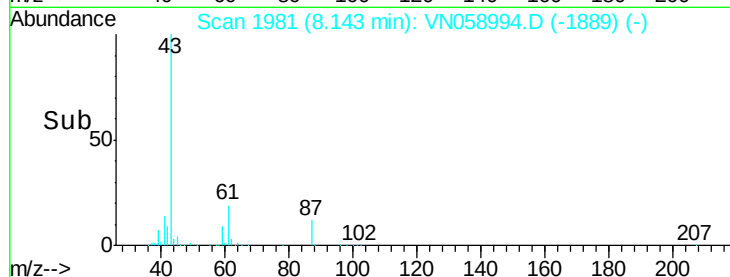
Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

8.14

Time-->



#44

Trichloroethene

Concen: 51.528 ug/l

RT: 8.82 min Scan# 2191

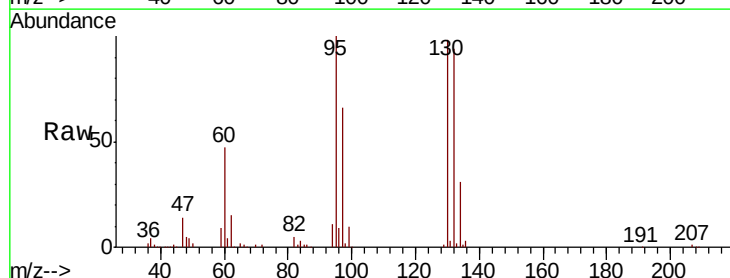
Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion: 130 Resp: 235555

Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	209.6

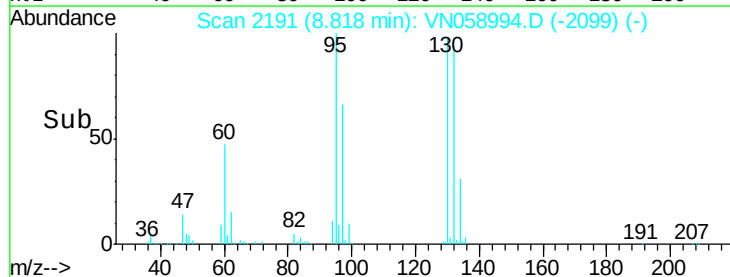


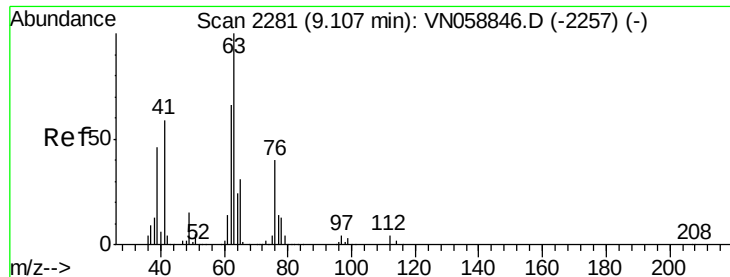
Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

8.82

Time-->





#45

1,2-Dichloropropane

Concen: 53.205 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

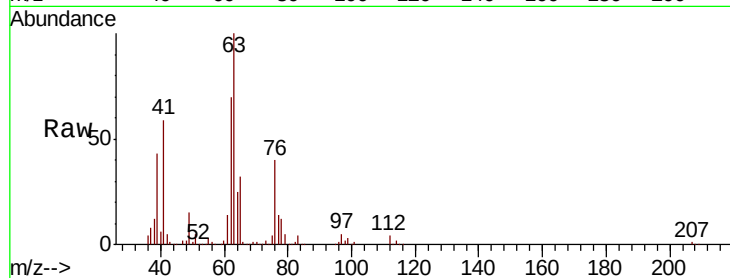
ClientSampled :

Tot Ion: 63 Resp: 273790

Ion Ratio Lower Upper

63 100

65 31.7 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

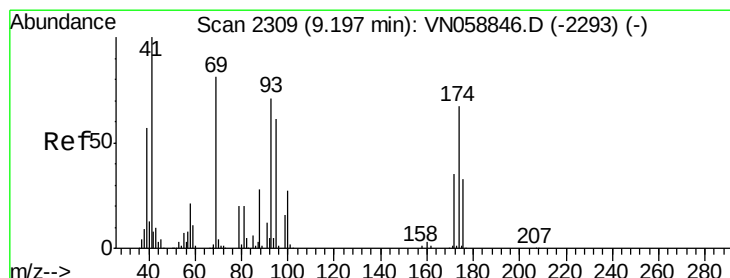
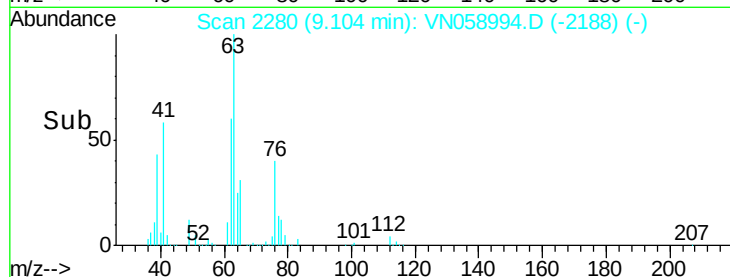
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.266 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

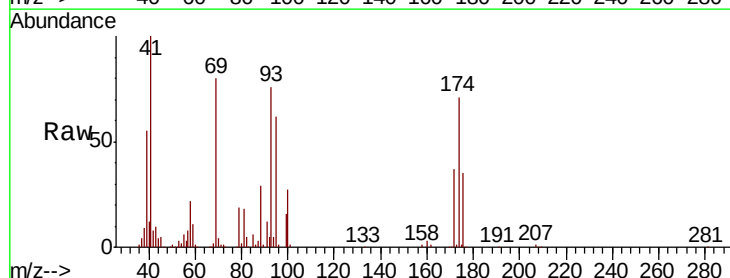
Tgt Ion: 93 Resp: 166777

Ion Ratio Lower Upper

93 100

95 82.4 67.6 101.4

174 94.3 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

100000

80000

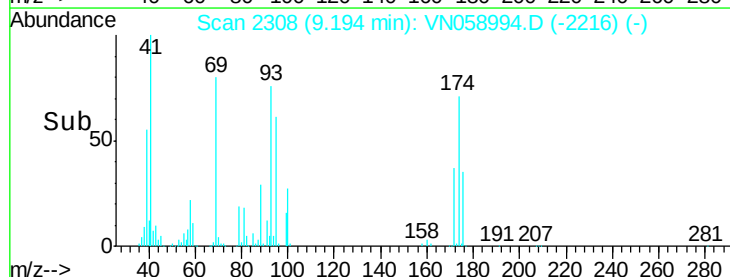
60000

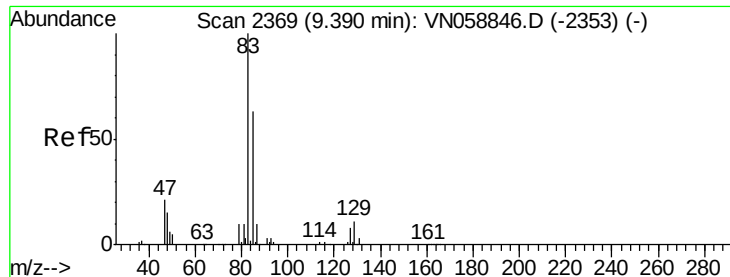
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.581 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

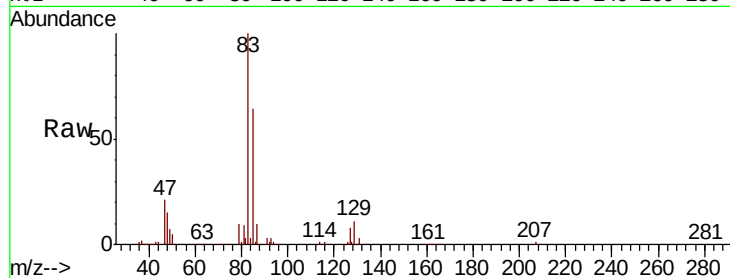
Tot Ion: 83 Resp: 352553

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

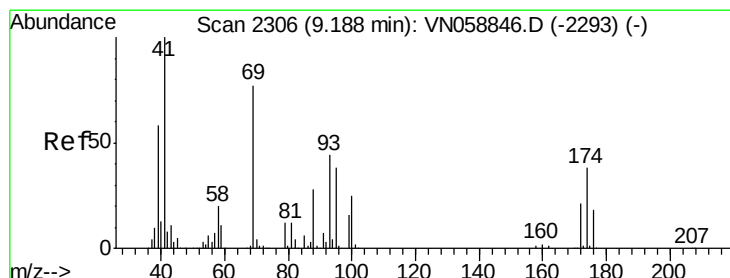
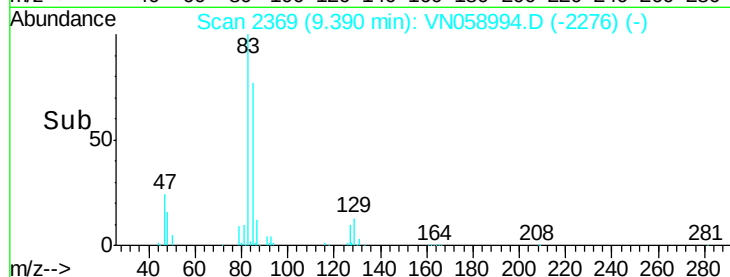
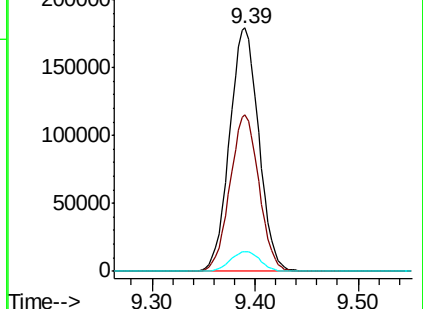
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48

Methyl methacrylate

Concen: 52.370 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

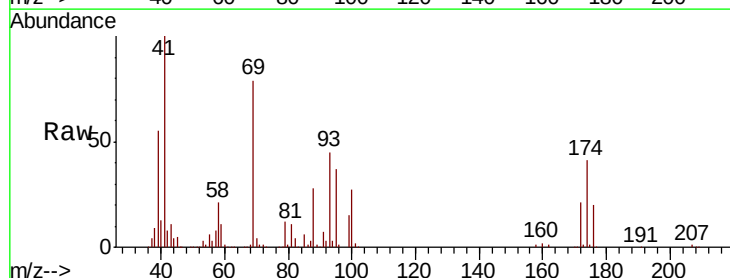
Tgt Ion: 41 Resp: 265353

Ion Ratio Lower Upper

41 100

69 81.0 63.8 95.6

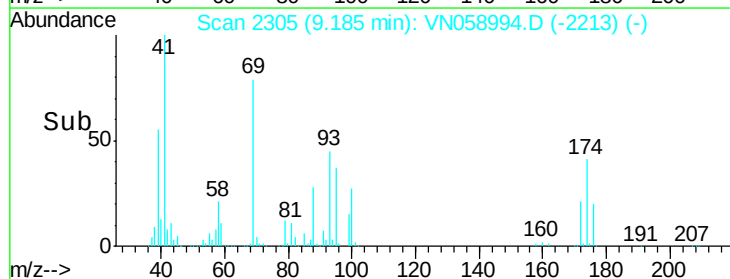
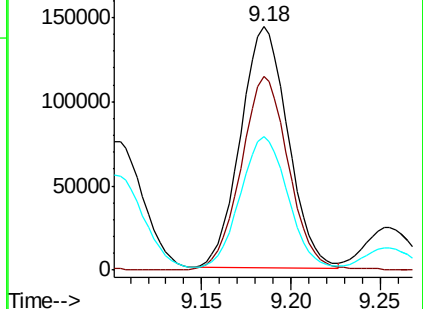
39 56.3 47.8 71.8

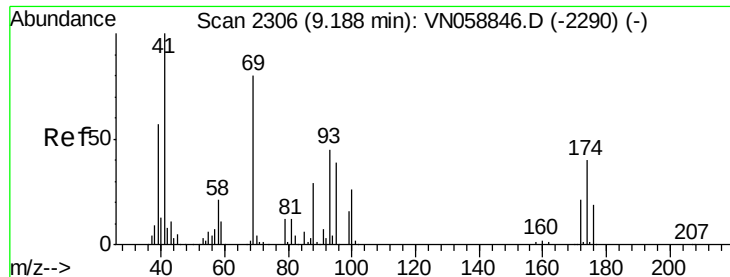


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

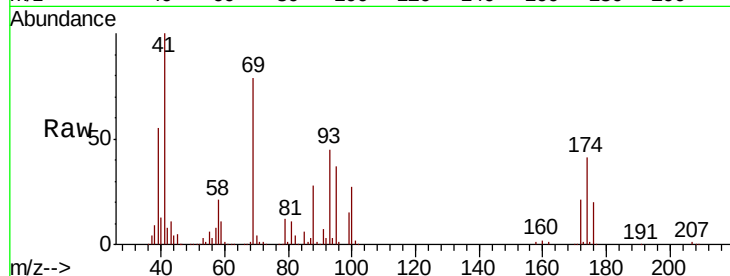




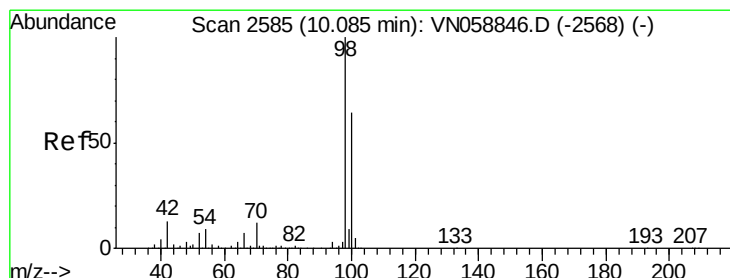
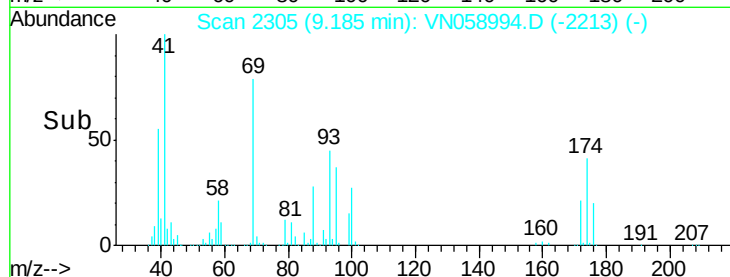
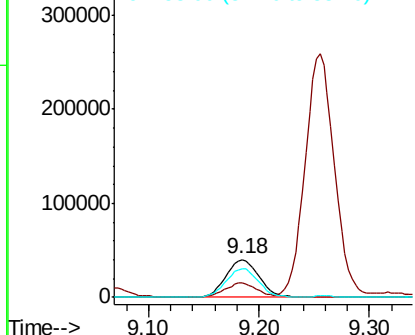
#49
1,4-Dioxane
Concen: 1014.926 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 84418
Ion Ratio Lower Upper
88 100
43 34.6 29.1 43.7
58 73.9 59.4 89.0

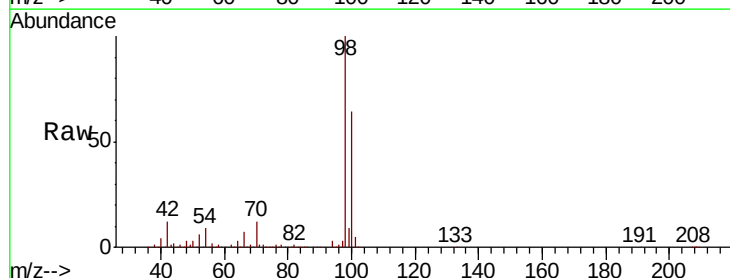


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

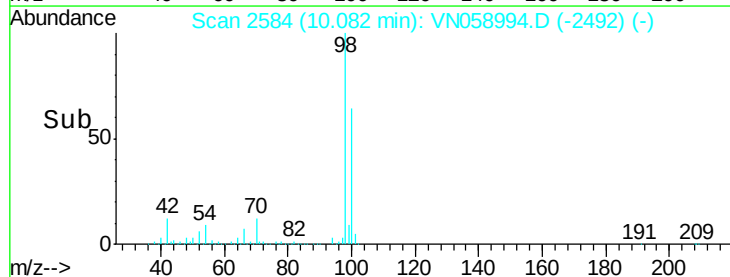
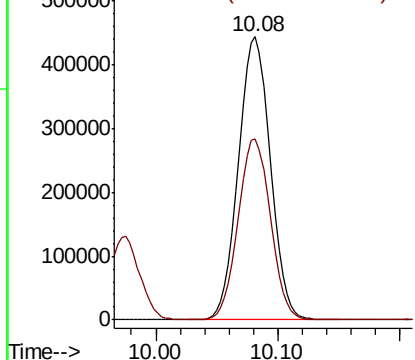


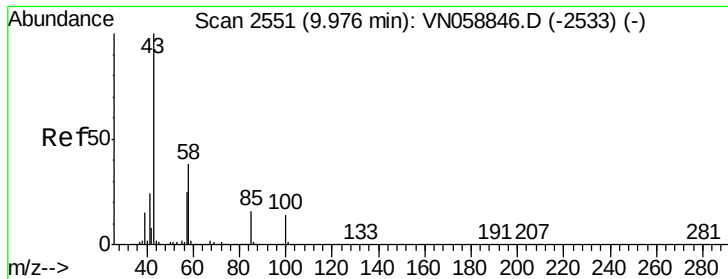
#50
Toluene-d8
Concen: 50.488 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 98 Resp: 804345
Ion Ratio Lower Upper
98 100
100 64.4 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: 267.946 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

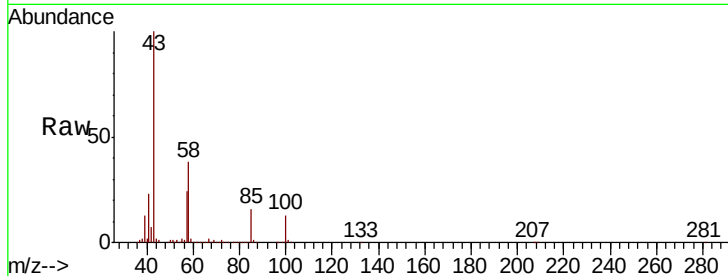
ClientSampleId :

Tot Ion: 43 Resp: 1747826

Ion Ratio Lower Upper

43 100

58 38.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.97

1000000

800000

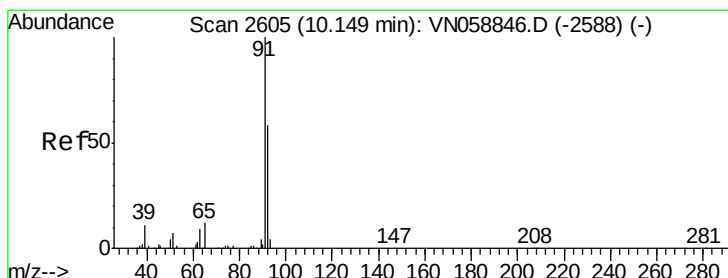
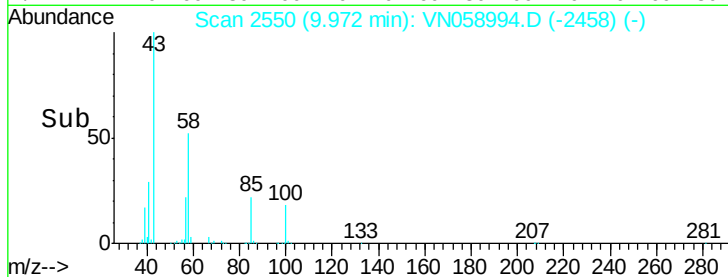
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.994 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058994.D

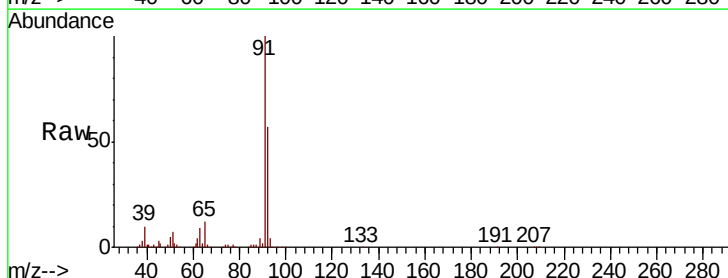
Acq: 28 Oct 2019 14:42

Tgt Ion: 92 Resp: 600882

Ion Ratio Lower Upper

92 100

91 173.9 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

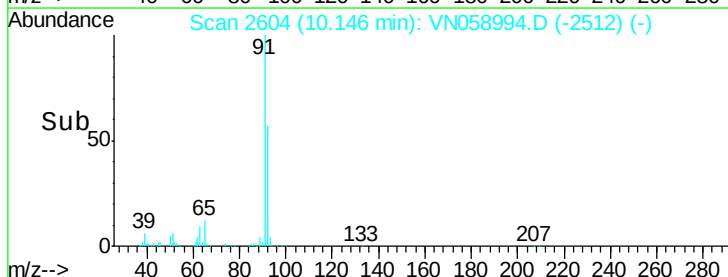
600000

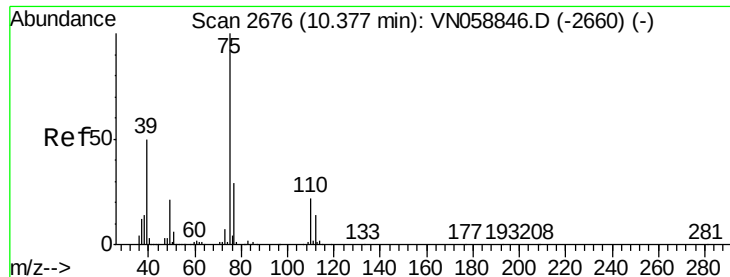
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.047 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

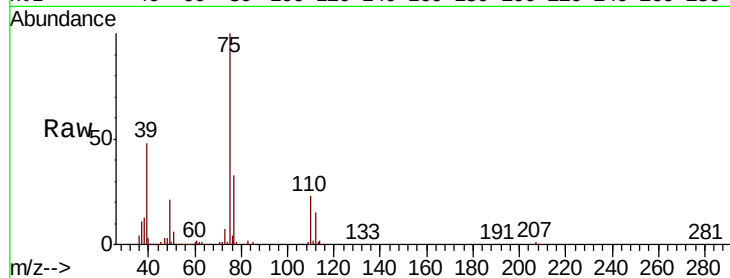
ClientSampled :

Tot Ion: 75 Resp: 401170

Ion Ratio Lower Upper

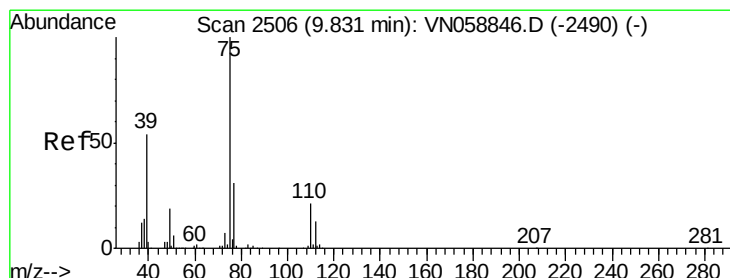
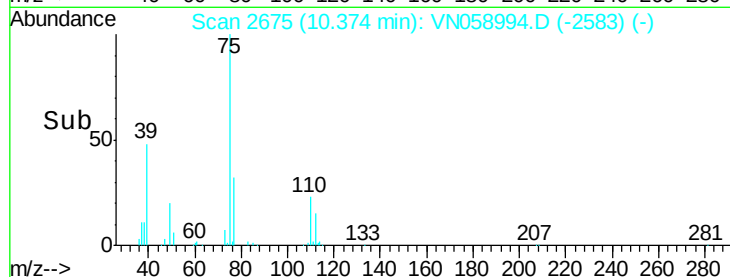
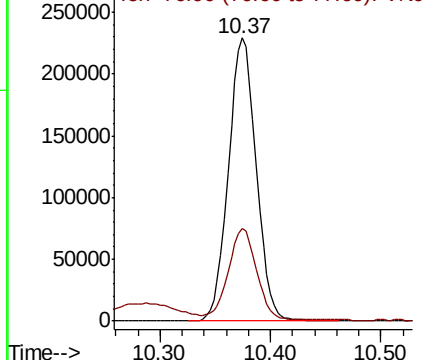
75 100

77 32.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.554 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

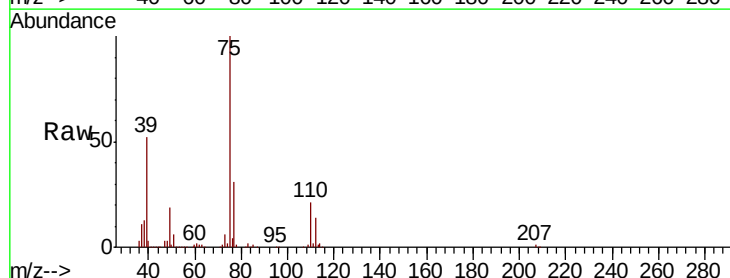
Tgt Ion: 75 Resp: 432615

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

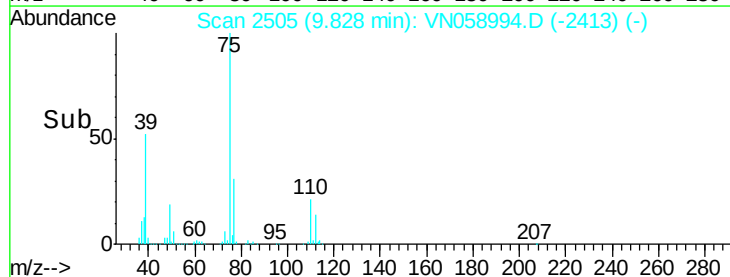
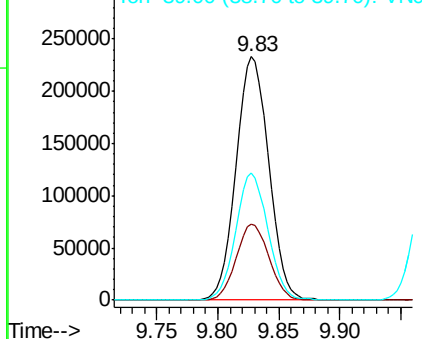
39 52.0 43.5 65.3

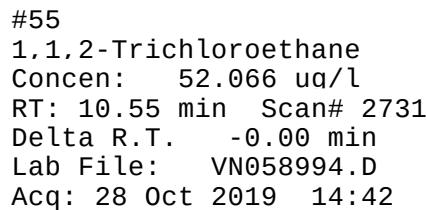


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

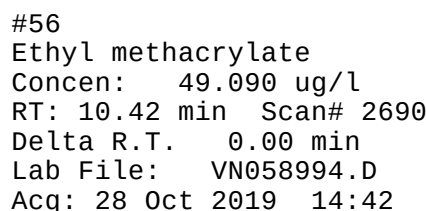
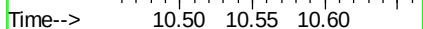
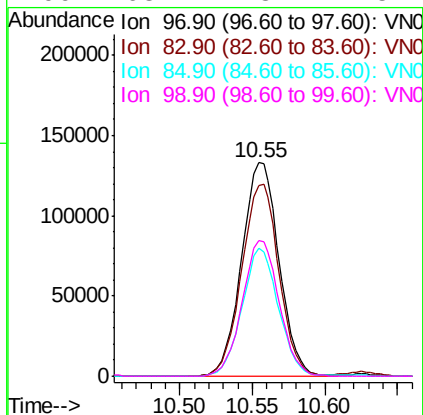
Ion 39.00 (38.70 to 39.70): VN0



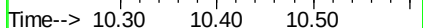
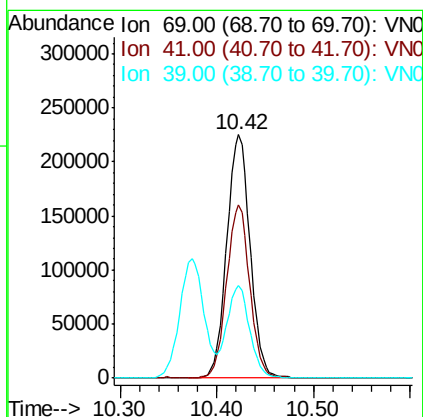


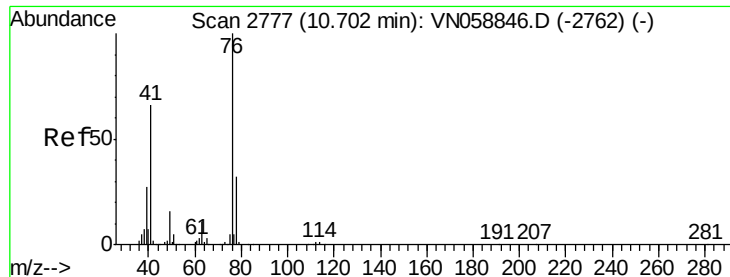
Instrument :
MSVOA_N
ClientSampleId :

Tat	Ion: 97	Resp:	238695
Ion	Ratio	Lower	Upper
97	100		
83	89.6	72.2	108.4
85	60.1	46.2	69.2
99	63.7	48.7	73.1



Tgt	Ion: 69	Resp:	377729
Ion	Ratio	Lower	Upper
69	100		
41	69.6	57.2	85.8
39	37.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 52.419 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

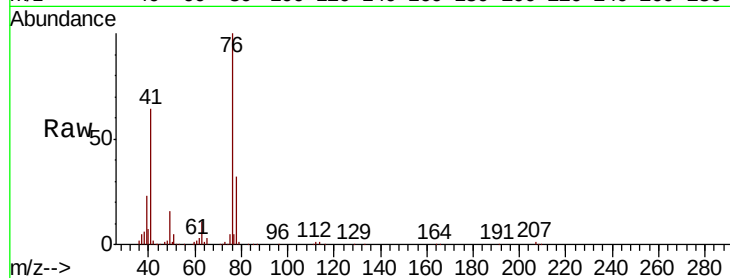
ClientSampleId :

Tot Ion: 76 Resp: 421781

Ion Ratio Lower Upper

76 100

78 32.5 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

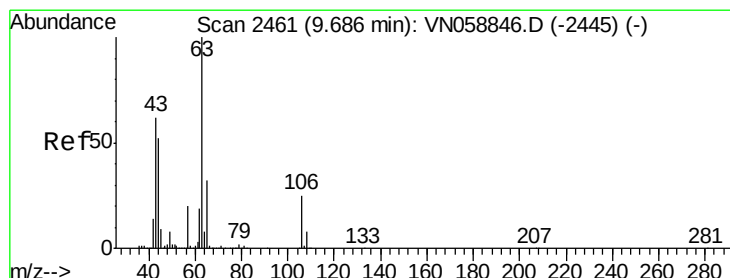
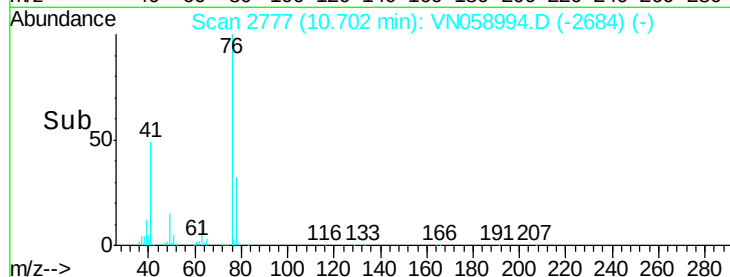
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 249.549 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058994.D

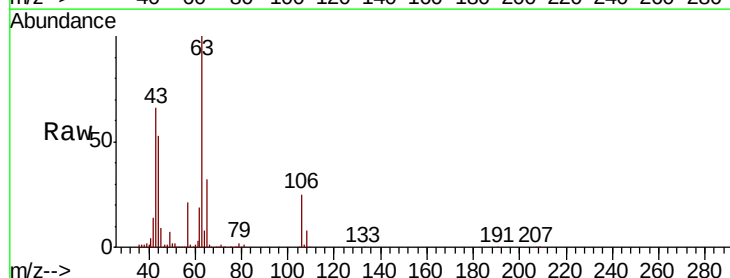
Acq: 28 Oct 2019 14:42

Tgt Ion: 63 Resp: 811473

Ion Ratio Lower Upper

63 100

106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

500000

400000

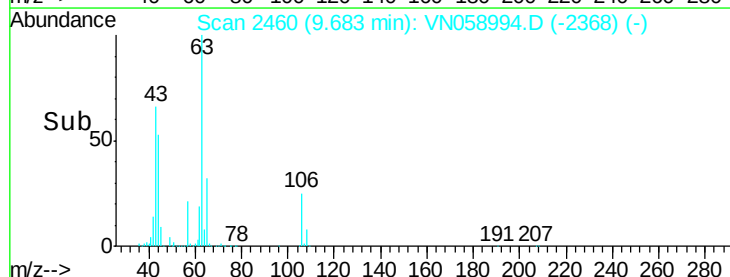
300000

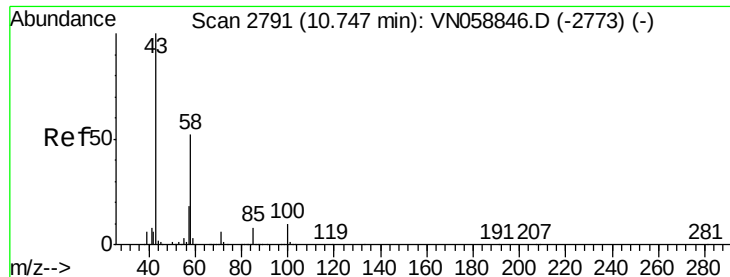
200000

100000

0

Time--> 9.60 9.70 9.80

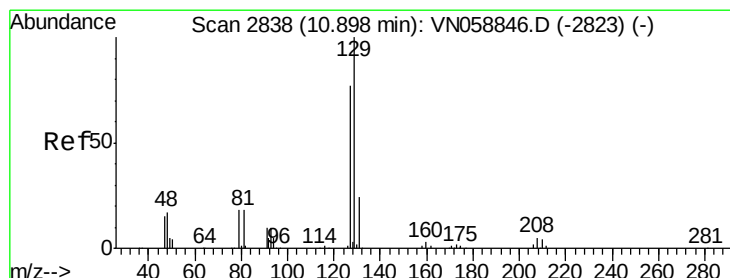
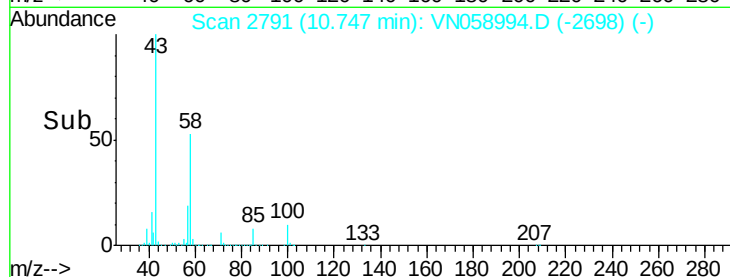
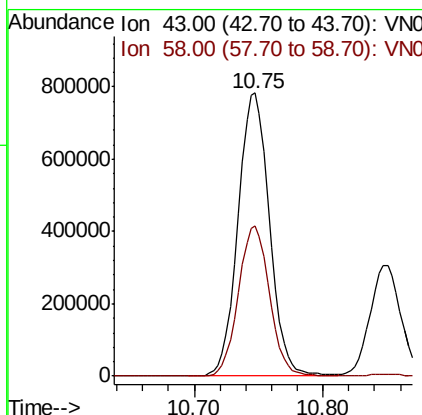
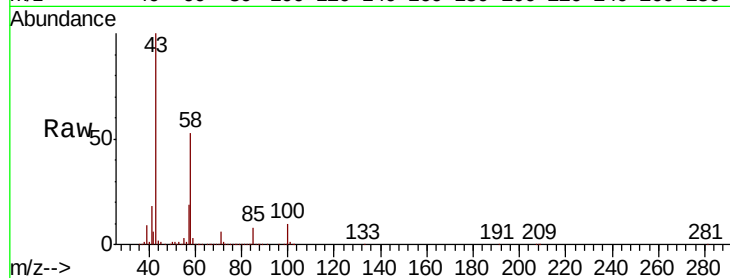




#59
2-Hexanone
Concen: 262.715 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

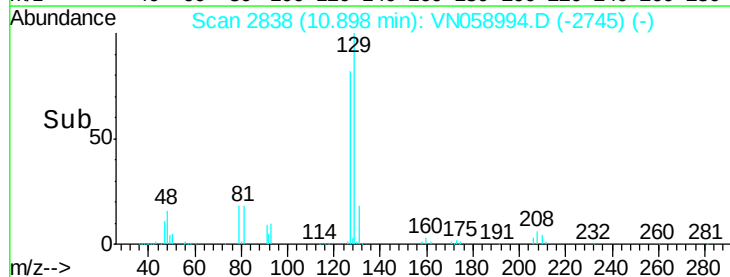
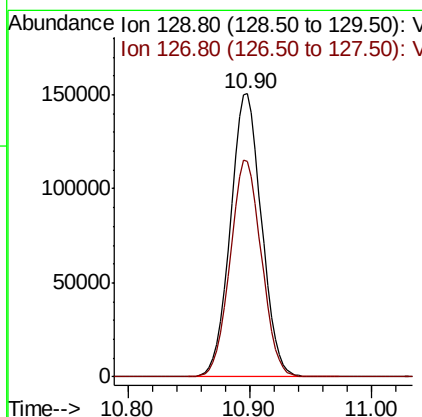
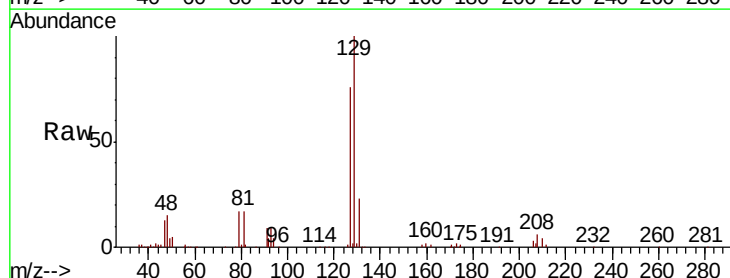
Instrument :
MSVOA_N
ClientSampled :

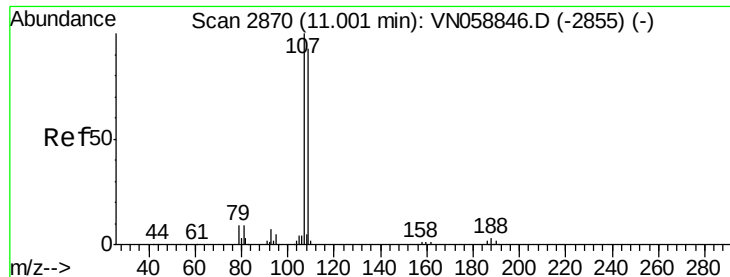
Tot Ion: 43 Resp: 1324235
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.7



#60
Dibromochloromethane
Concen: 54.144 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 129 Resp: 267179
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

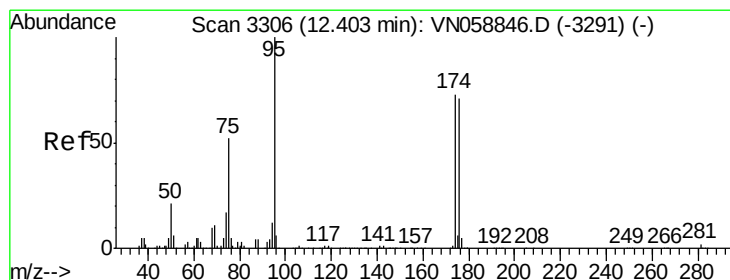
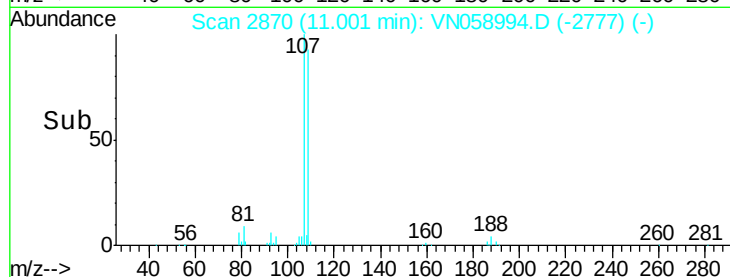
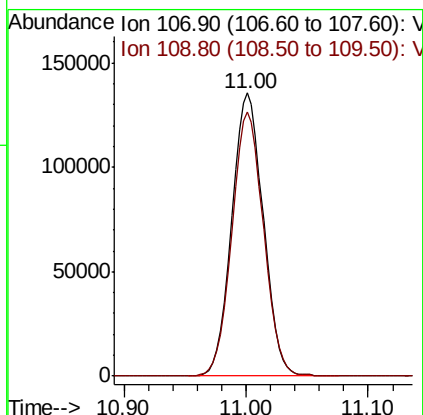
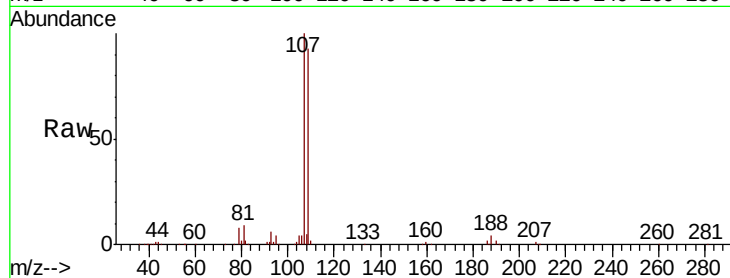




#61
 1,2-Dibromoethane
 Concen: 51.825 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

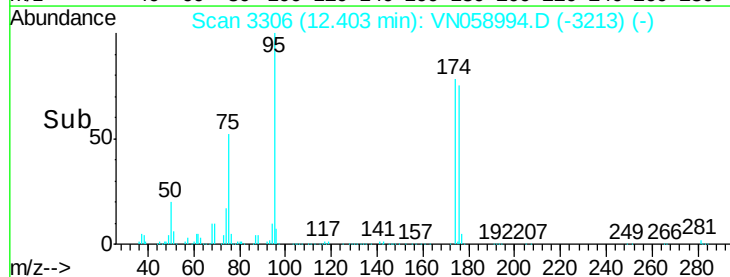
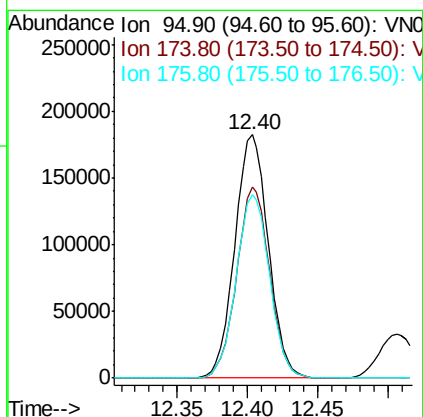
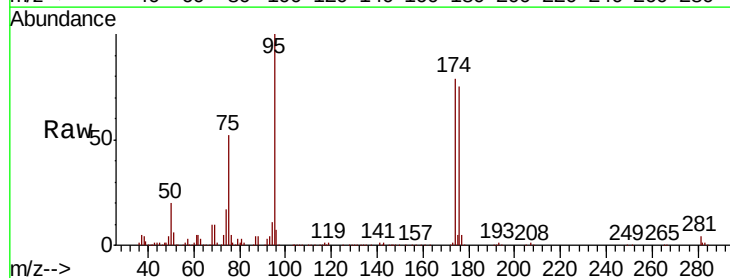
Instrument :
 MSVOA_N
 ClientSampleId :

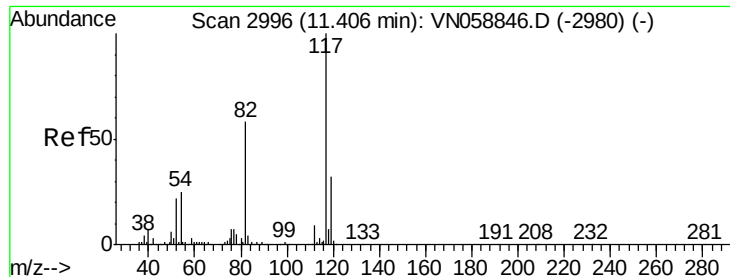
Tot Ion: 107 Resp: 243144
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.952 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion: 95 Resp: 303946
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 147.6
 176 75.5 0.0 143.2

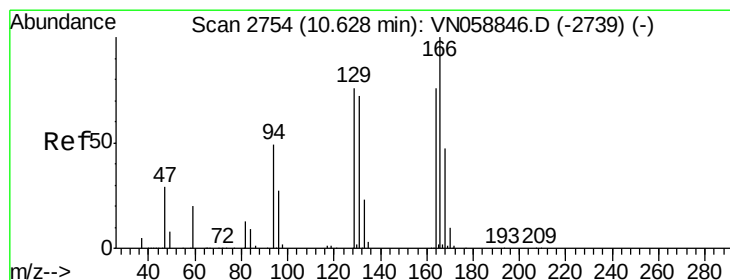
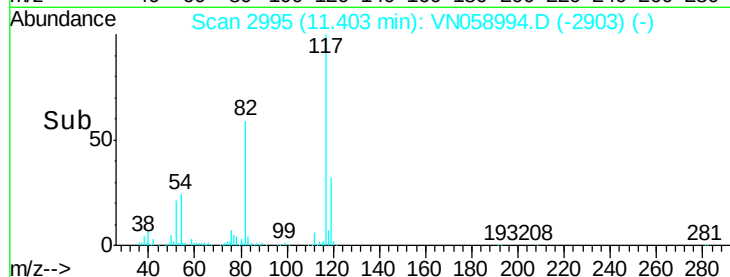
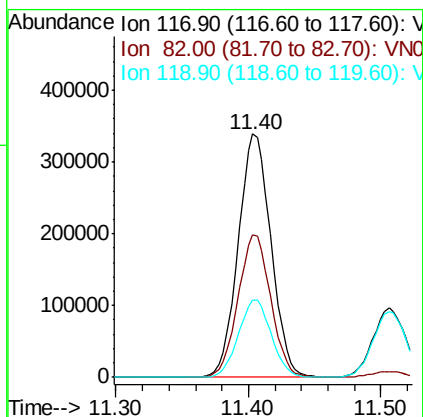
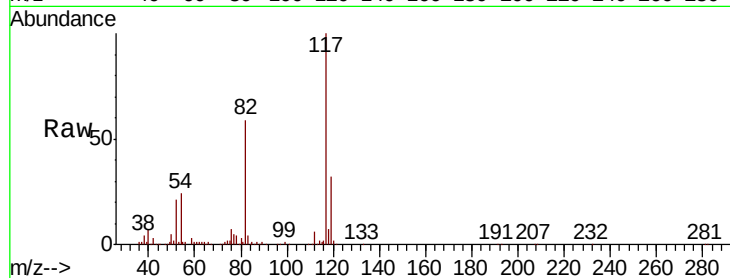




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

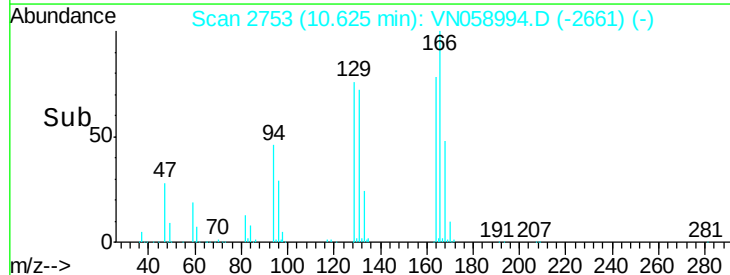
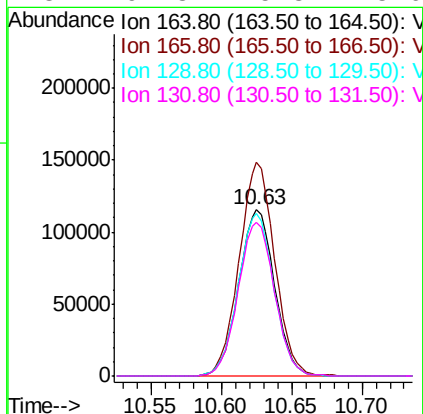
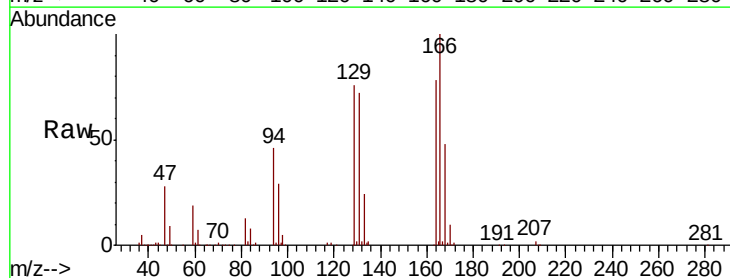
Instrument :
MSVOA_N
ClientSampled :

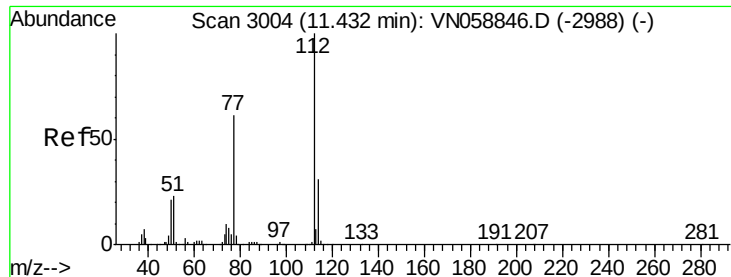
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.6	69.8
119	31.7	25.6	38.4



#64
Tetrachloroethene
Concen: 50.535 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.8	157.2
129	97.7	79.3	118.9
131	92.8	75.8	113.6

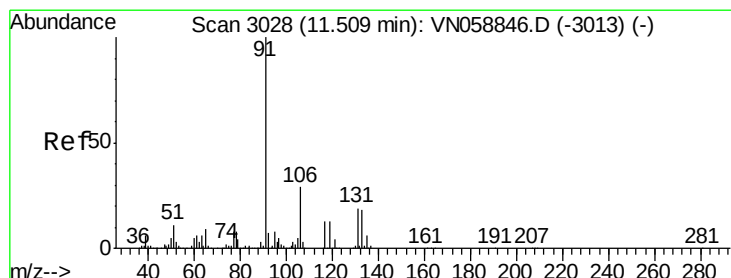
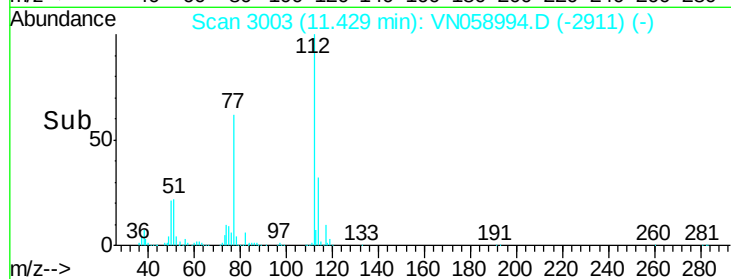
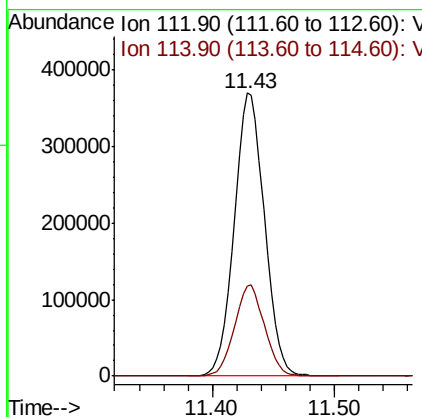
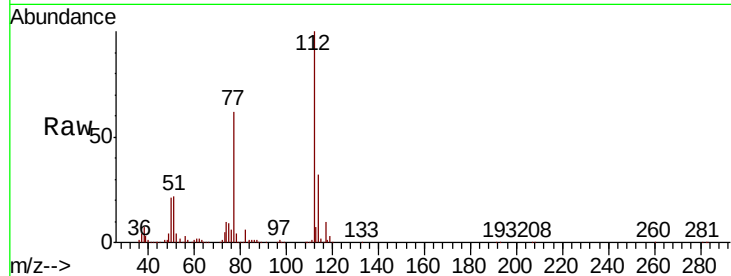




#65
Chlorobenzene
Concen: 53.483 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

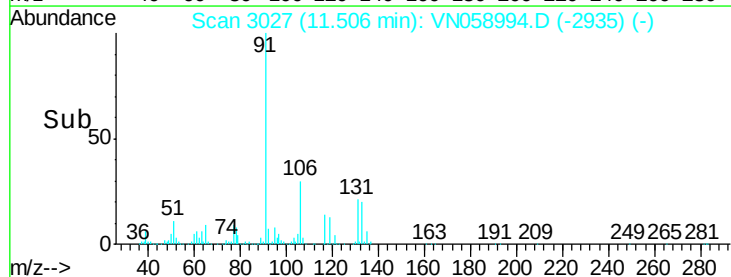
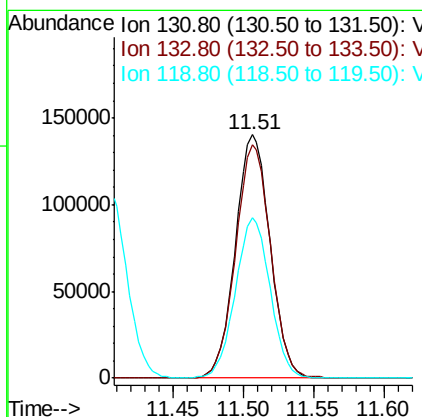
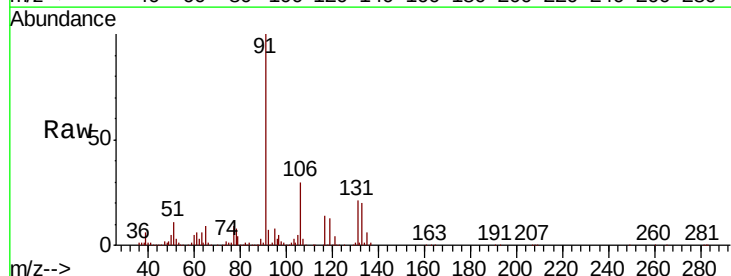
Instrument :
MSVOA_N
ClientSampled :

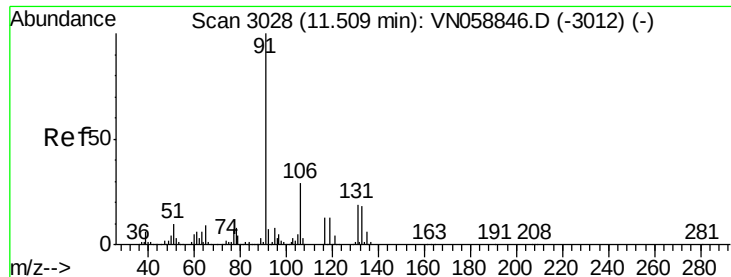
Tot Ion:112 Resp: 633840
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 54.124 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion:131 Resp: 242052
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 65.7 33.6 100.8





#67

Ethyl Benzene

Concen: 56.174 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

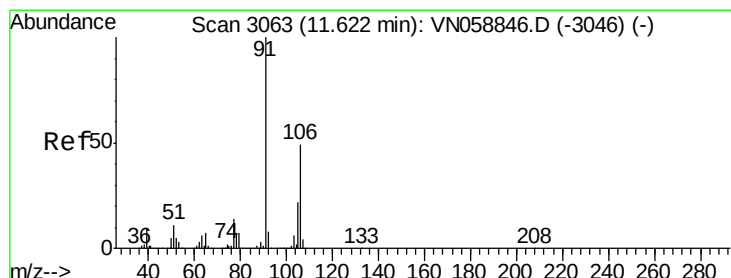
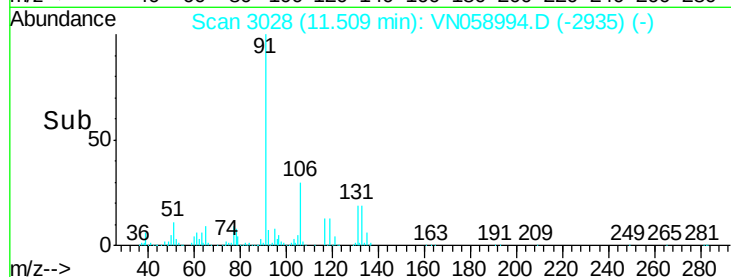
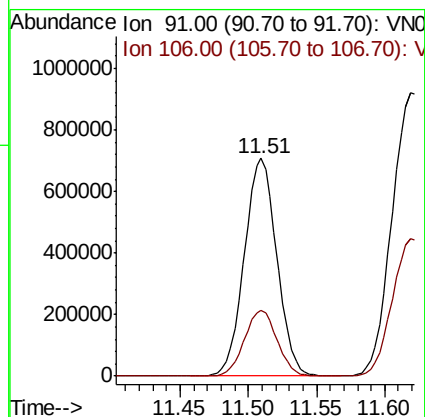
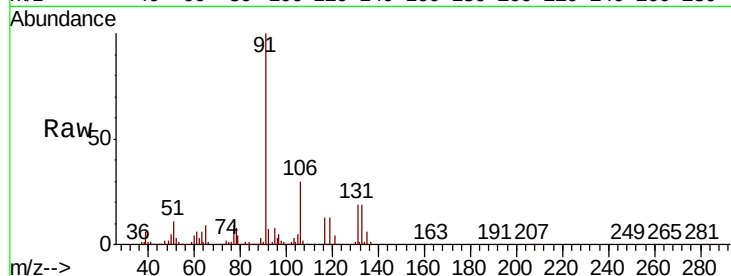
ClientSampled :

Tot Ion: 91 Resp: 1167847

Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0



#68

m/p-Xylenes

Concen: 112.586 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058994.D

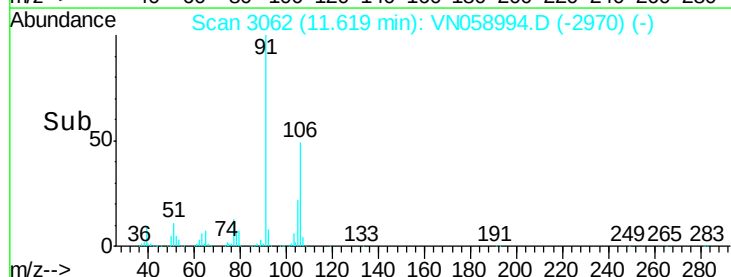
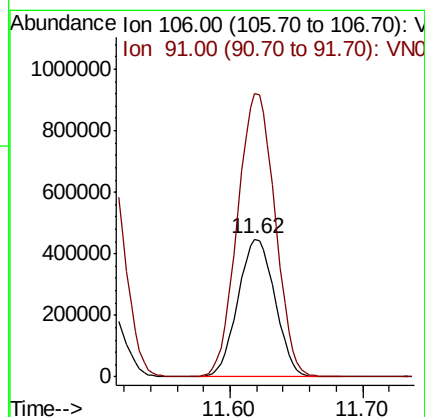
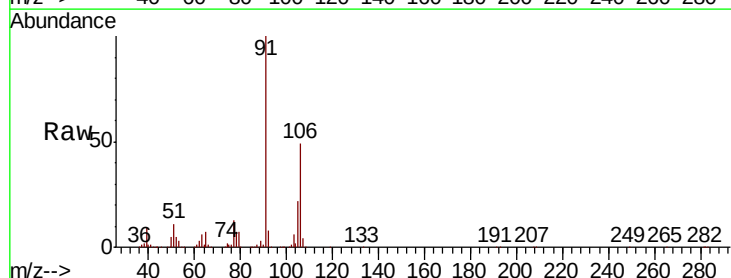
Acq: 28 Oct 2019 14:42

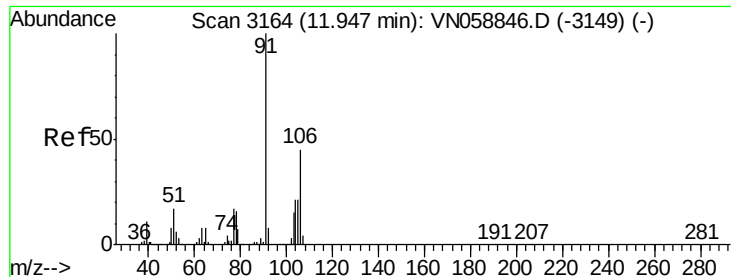
Tgt Ion: 106 Resp: 868021

Ion Ratio Lower Upper

106 100

91 208.6 166.6 249.8





#69

o-Xylene

Concen: 56.337 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

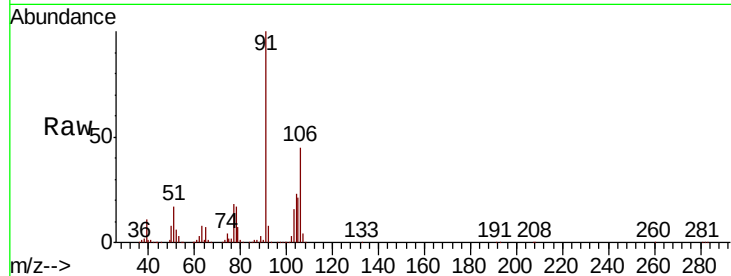
ClientSampled :

Tot Ion:106 Resp: 414253

Ion Ratio Lower Upper

106 100

91 220.4 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

100000

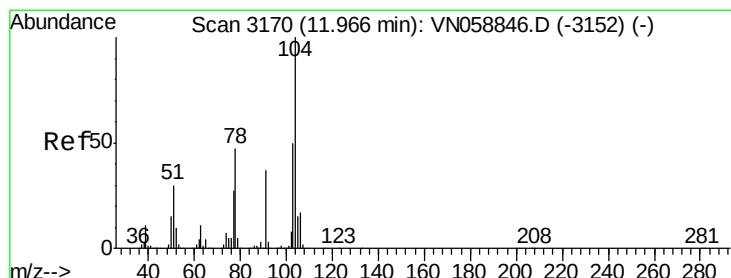
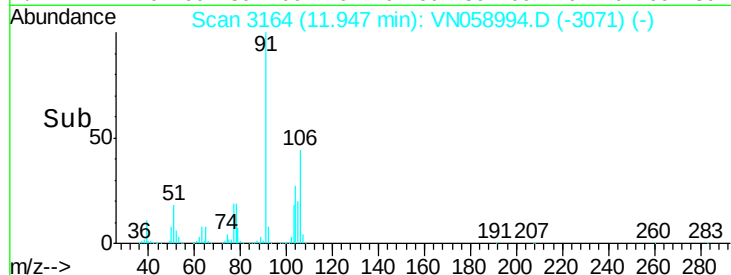
0

11.95

11.90

12.00

Time-->



#70

Styrene

Concen: 51.338 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

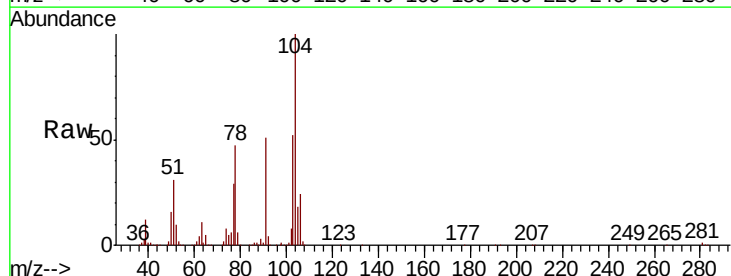
Tgt Ion:104 Resp: 697452

Ion Ratio Lower Upper

104 100

78 52.4 42.8 64.2

103 55.4 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

200000

100000

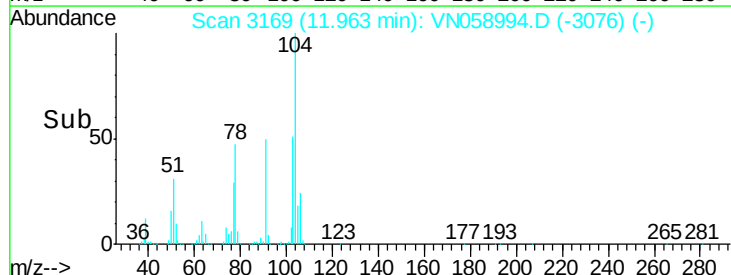
0

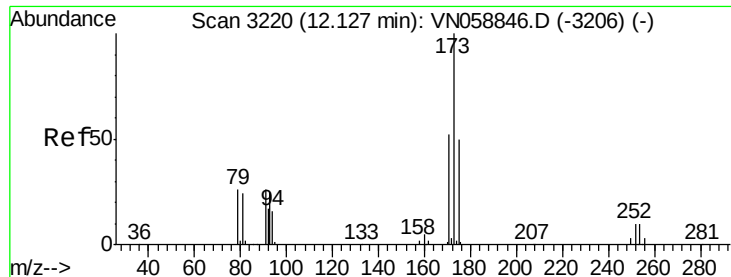
11.96

11.90

12.00

Time-->

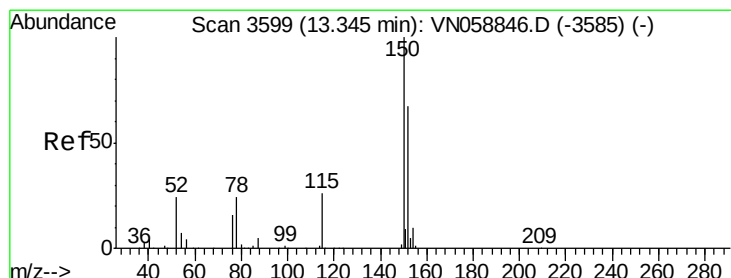
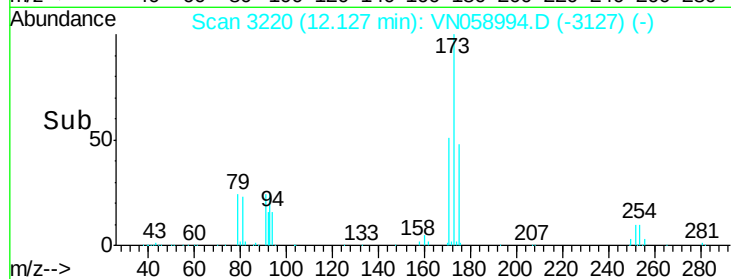
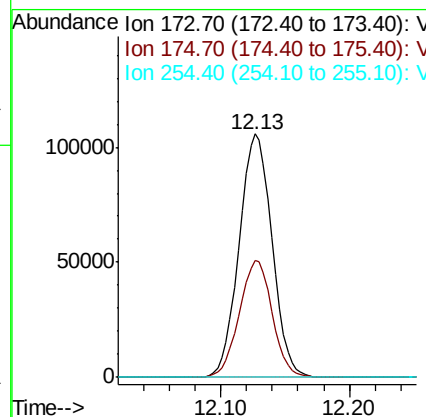
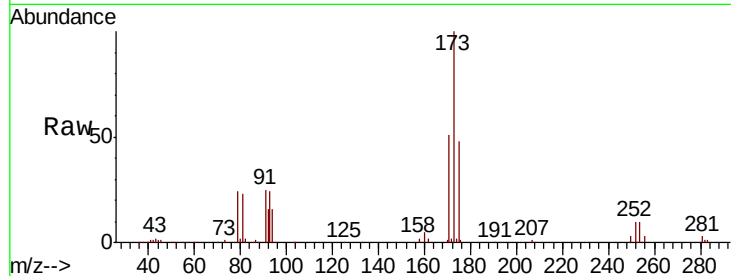




#71
Bromoform
Concen: 54.101 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

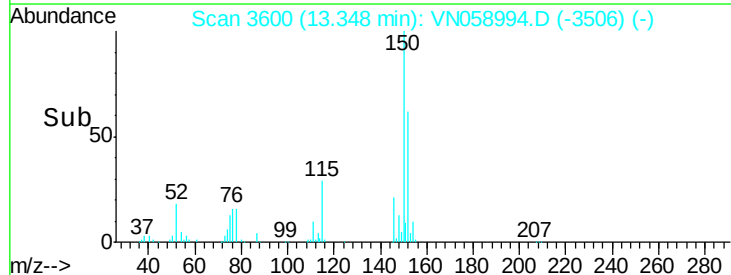
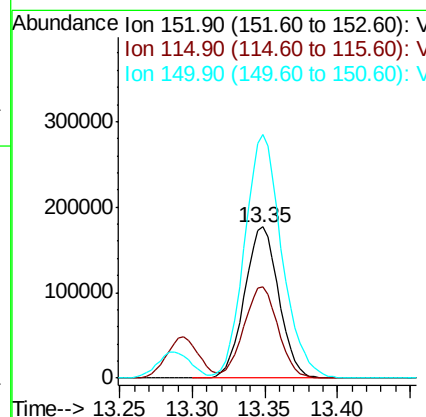
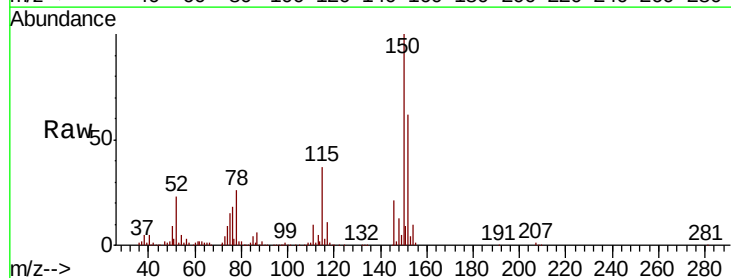
Instrument :
MSVOA_N
ClientSampled :

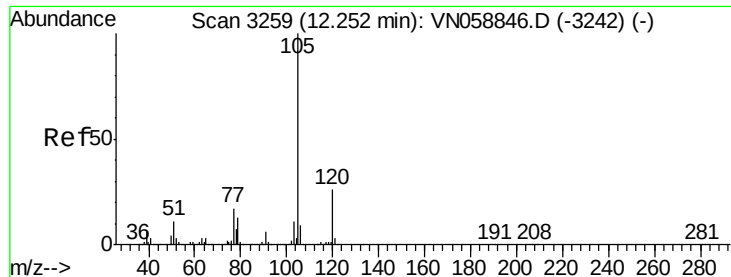
Tot Ion:173 Resp: 187616
Ion Ratio Lower Upper
173 100
175 47.9 24.7 74.1
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion:152 Resp: 290812
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 175.0 0.0 344.4





#73

Isopropylbenzene

Concen: 53.359 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

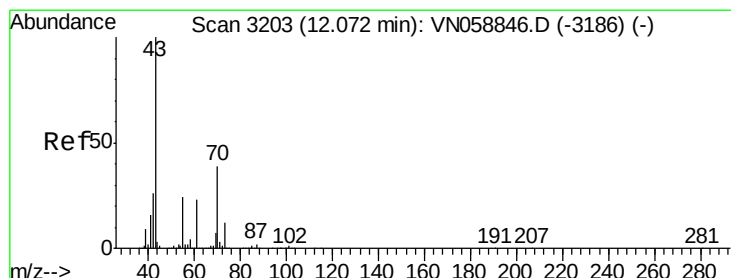
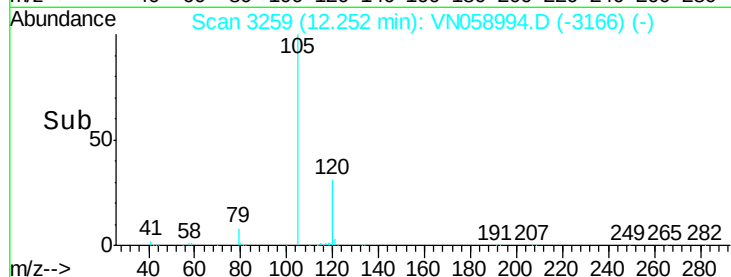
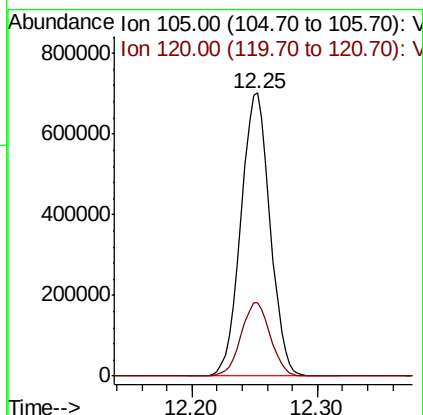
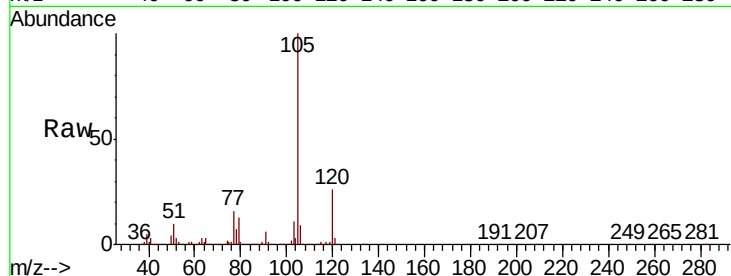
ClientSampleId :

Tot Ion:105 Resp: 1134029

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4



#74

N-ethyl acetate

Concen: 52.351 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Tgt Ion: 43 Resp: 504409

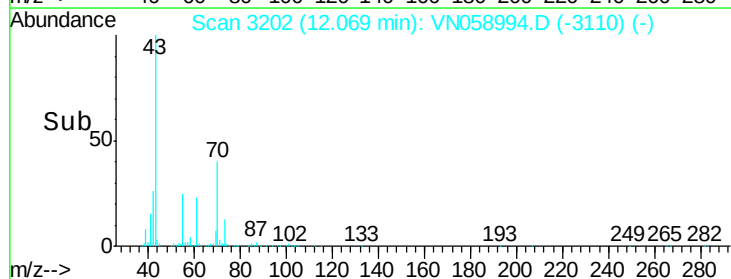
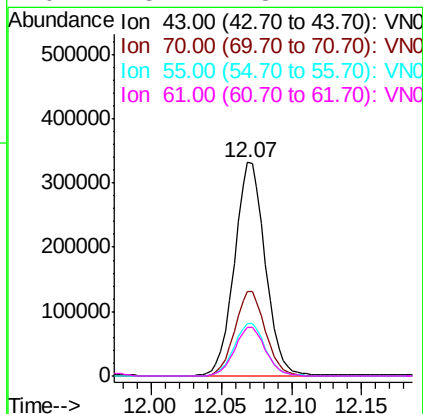
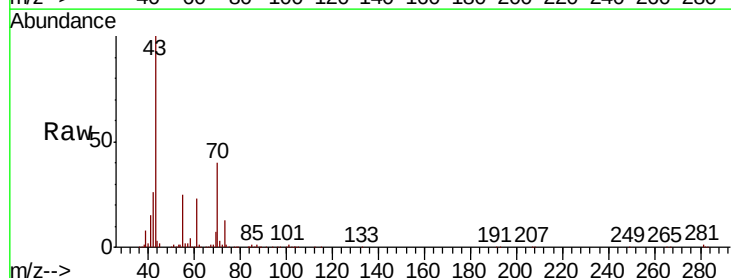
Ion Ratio Lower Upper

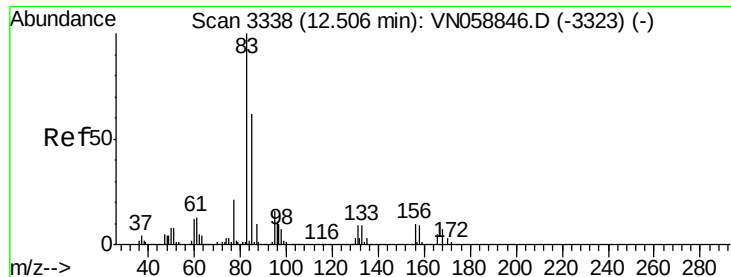
43 100

70 39.7 30.9 46.3

55 25.3 19.7 29.5

61 23.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.572 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

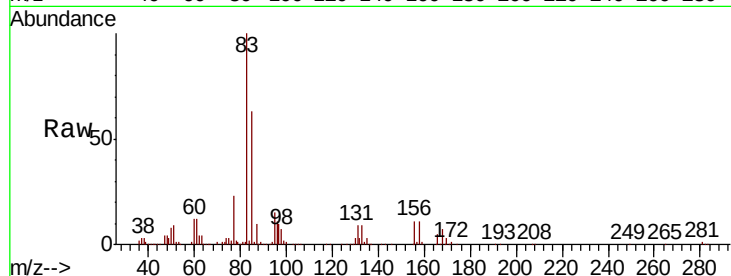
Tot Ion: 83 Resp: 370447

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	63.4	31.7	95.1

83 100

131 9.7 4.7 14.1

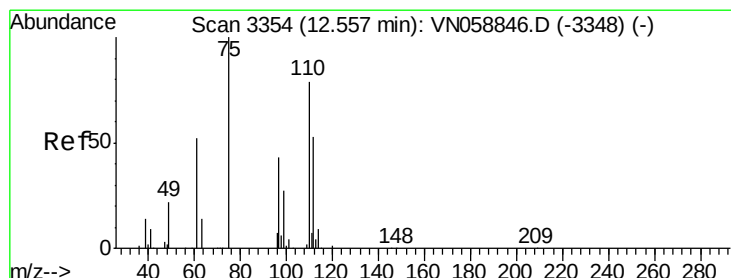
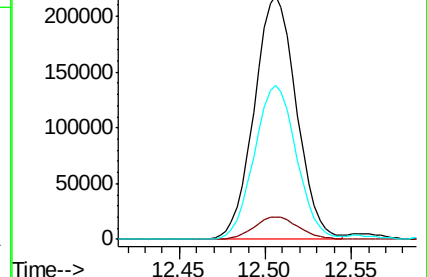
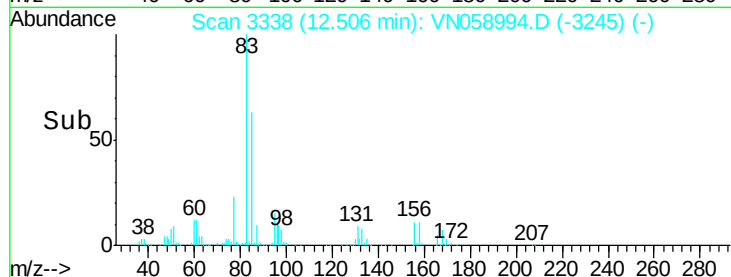
85 63.4 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 72.747 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058994.D

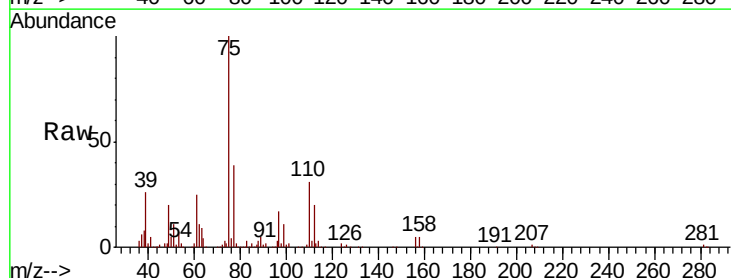
Acq: 28 Oct 2019 14:42

Tgt Ion: 75 Resp: 490304

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

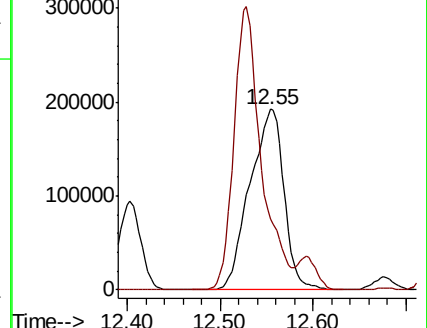
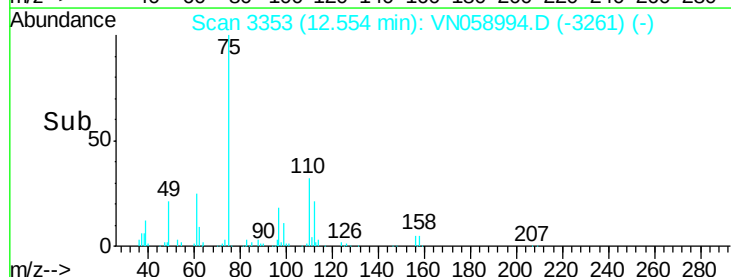
75 100

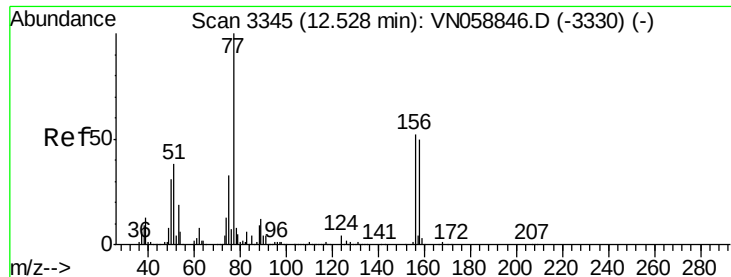
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.923 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

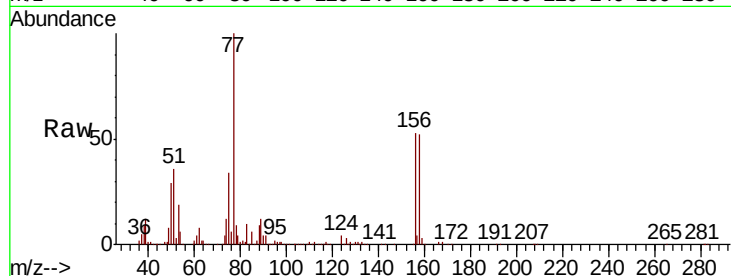
Tot Ion:156 Resp: 271995

Ion Ratio Lower Upper

156 100

77 226.0 118.0 354.0

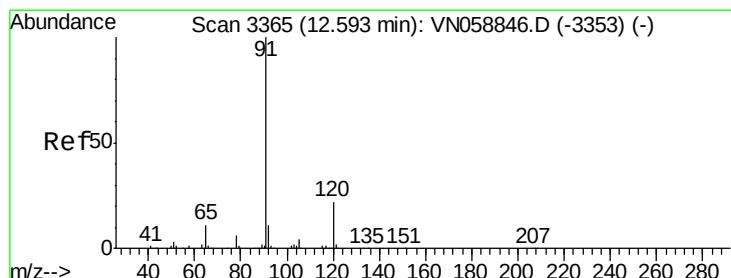
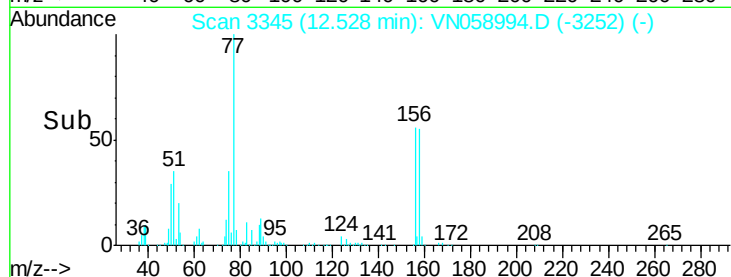
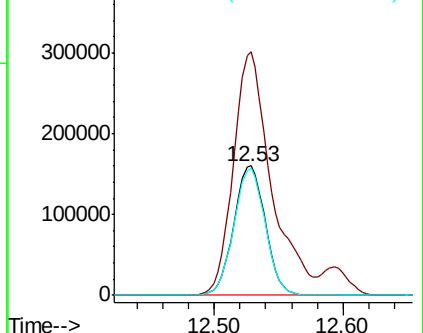
158 97.9 48.3 144.8



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: 54.353 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058994.D

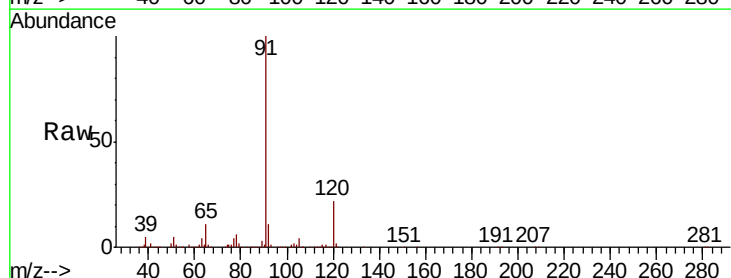
Acq: 28 Oct 2019 14:42

Tgt Ion: 91 Resp: 1365449

Ion Ratio Lower Upper

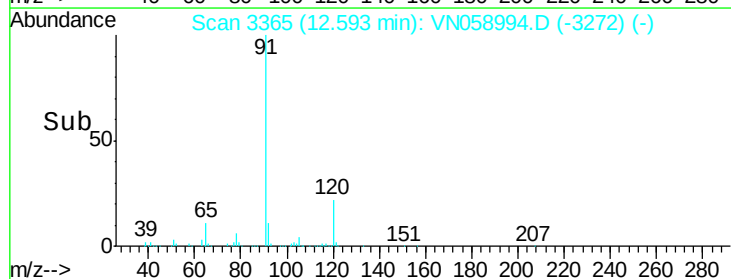
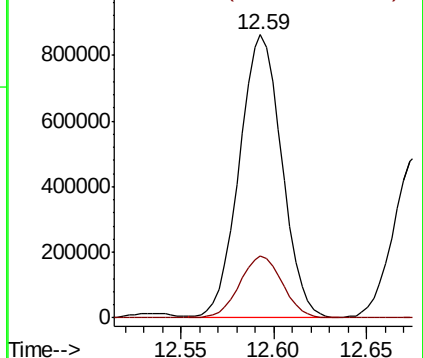
91 100

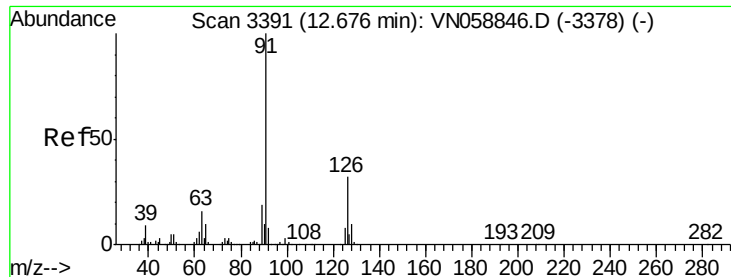
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.874 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

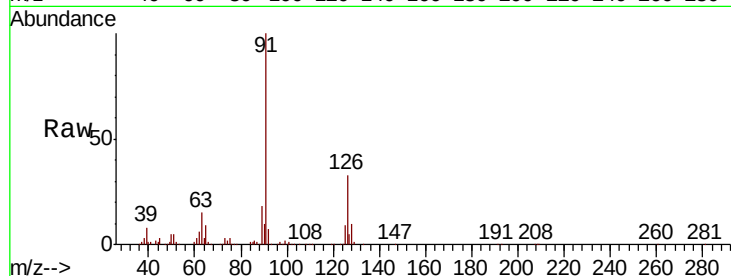
ClientSampled :

Tot Ion: 91 Resp: 797592

Ion Ratio Lower Upper

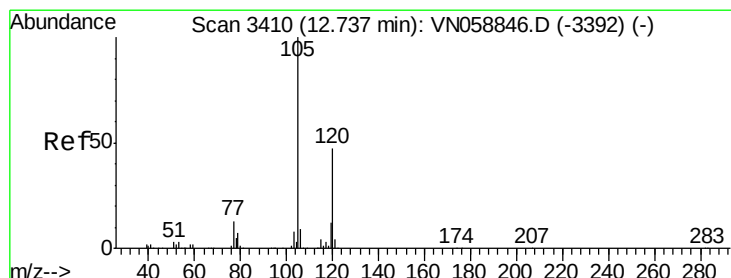
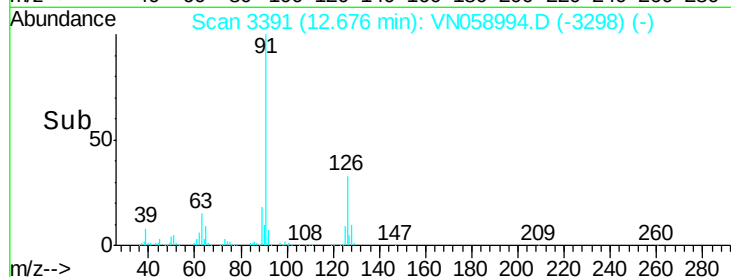
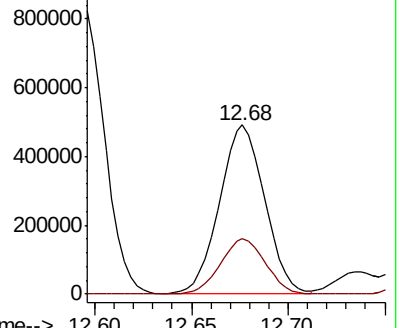
91 100

126 32.9 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.808 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058994.D

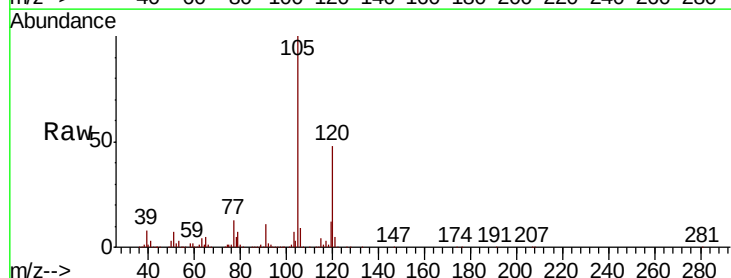
Acq: 28 Oct 2019 14:42

Tgt Ion:105 Resp: 978673

Ion Ratio Lower Upper

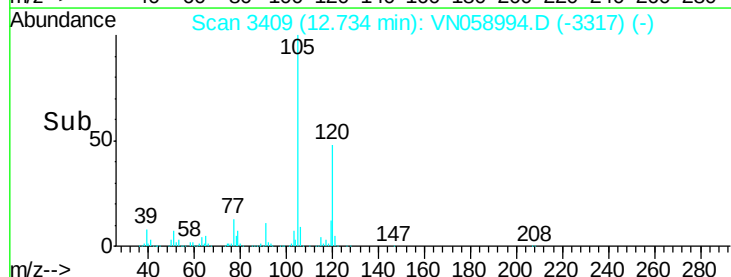
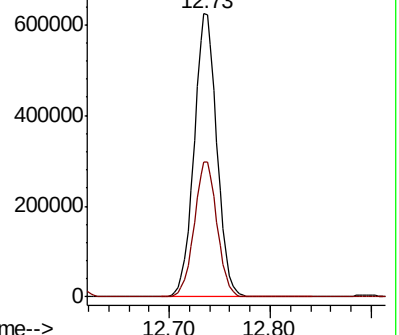
105 100

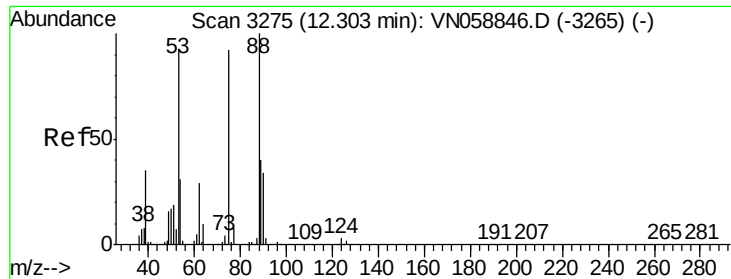
120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

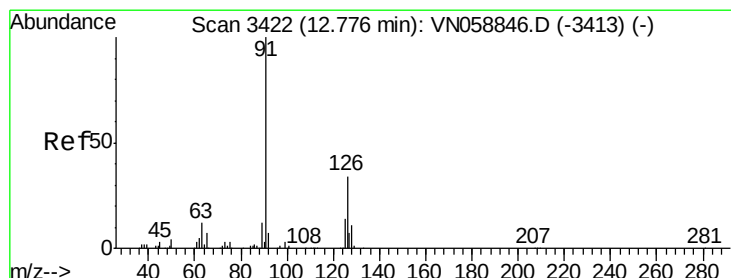
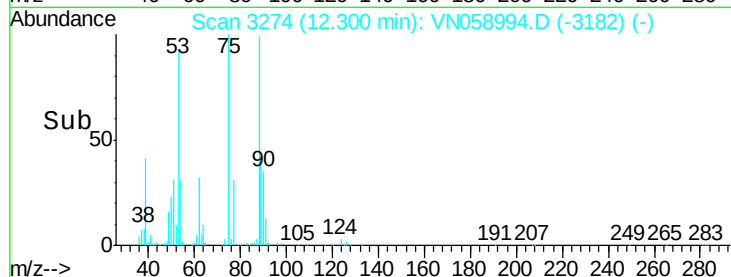
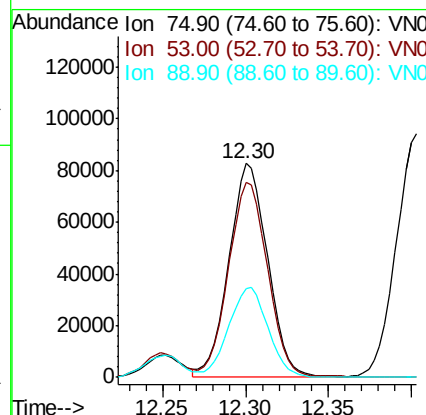
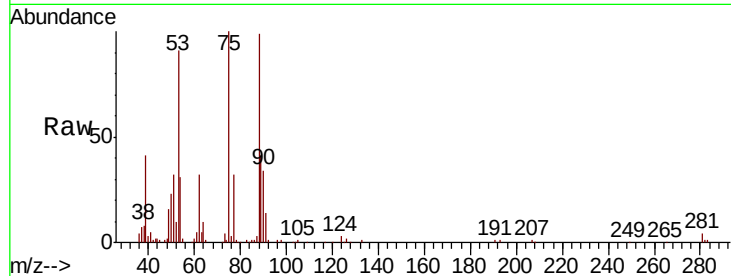




#81
trans-1,4-Dichloro-2-butene
Concen: 51.367 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

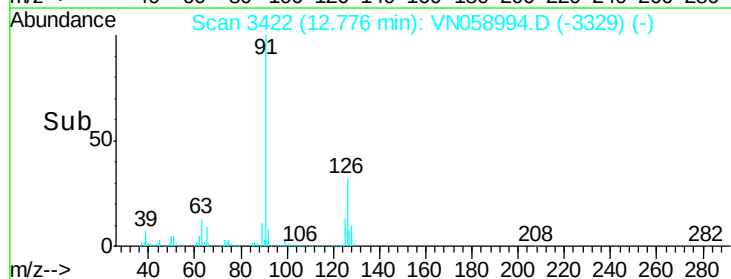
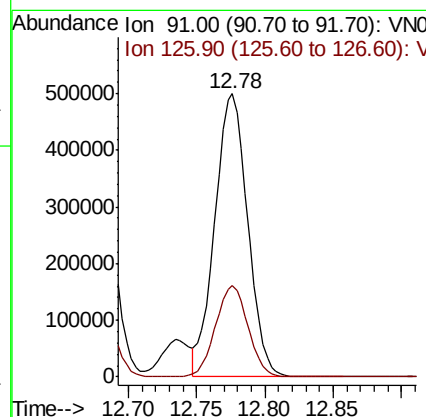
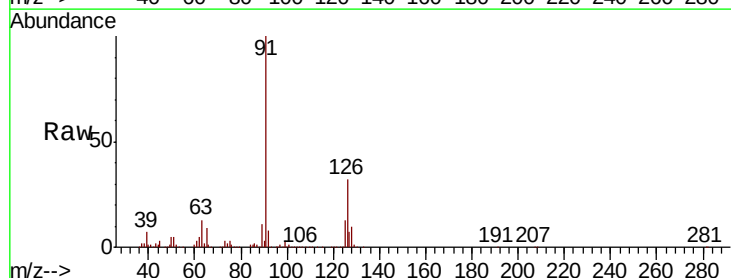
Instrument :
MSVOA_N
ClientSampled :

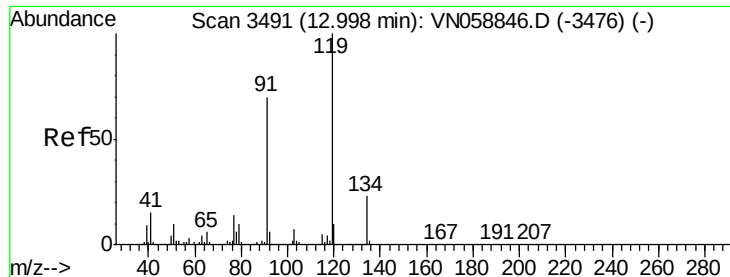
Tot Ion: 75 Resp: 132898
Ion Ratio Lower Upper
75 100
53 93.1 78.6 118.0
89 43.4 35.4 53.0



#82
4-Chlorotoluene
Concen: 53.156 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion: 91 Resp: 835232
Ion Ratio Lower Upper
91 100
126 31.8 16.0 47.9

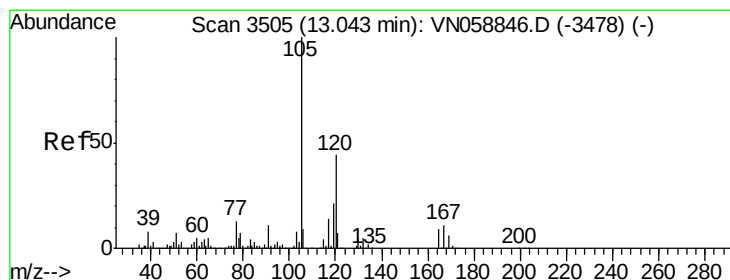
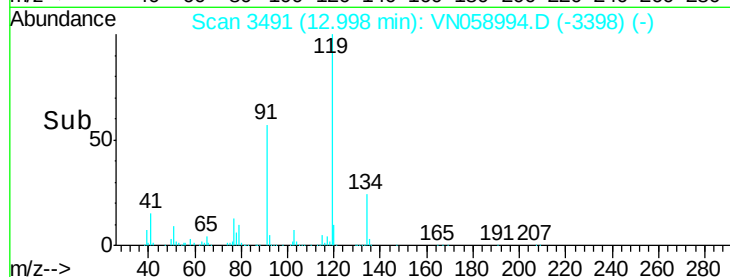
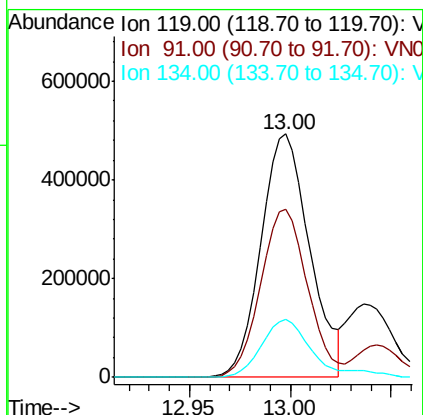
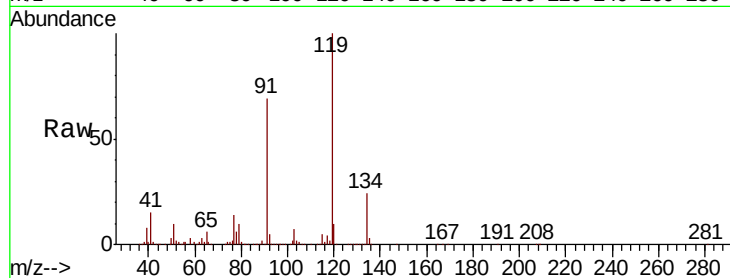




#83
 tert-Butylbenzene
 Concen: 54.341 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

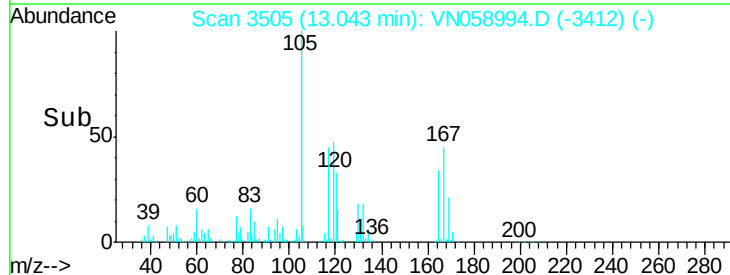
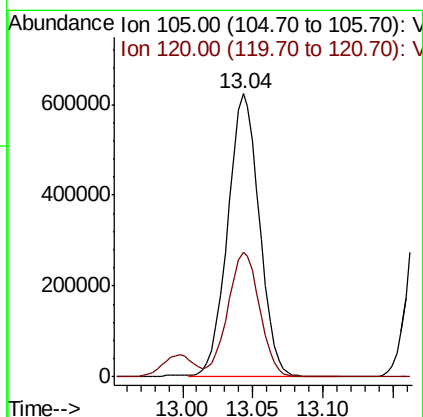
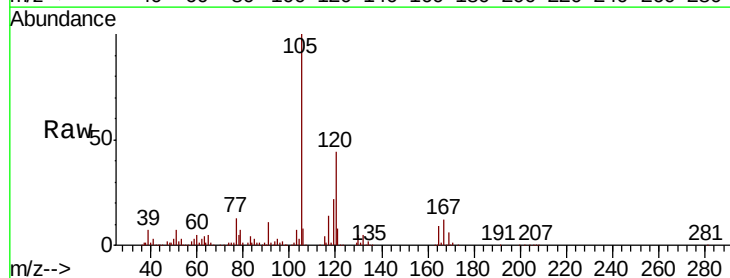
Instrument :
 MSVOA_N
 ClientSampleId :

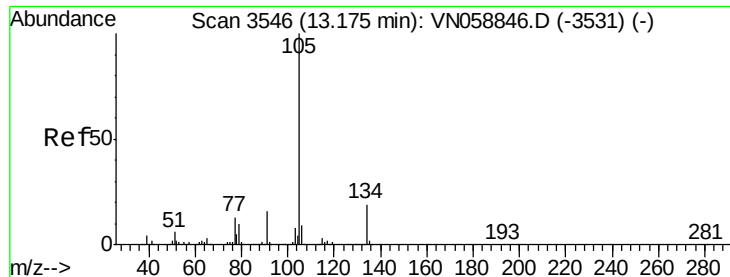
Tot Ion:119 Resp: 829753
 Ion Ratio Lower Upper
 119 100
 91 66.9 34.1 102.3
 134 25.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.423 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion:105 Resp: 976134
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.8





#85

sec-Butylbenzene

Concen: 55.250 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

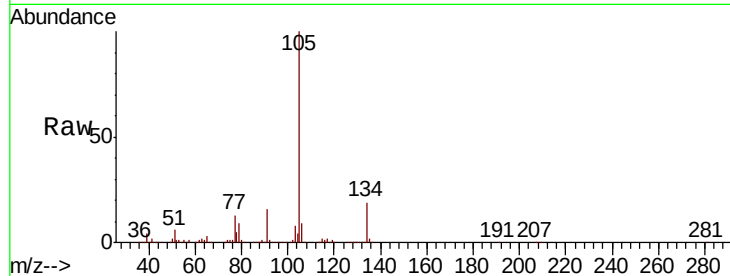
ClientSampleId :

Tot Ion:105 Resp: 1124776

Ion Ratio Lower Upper

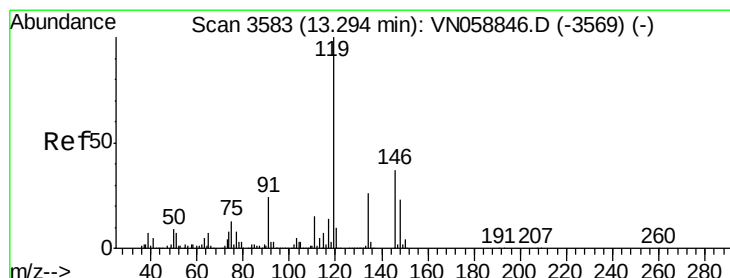
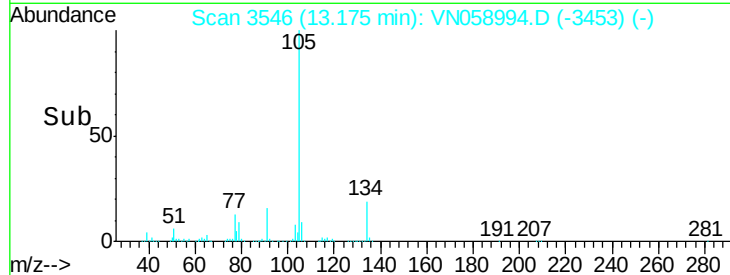
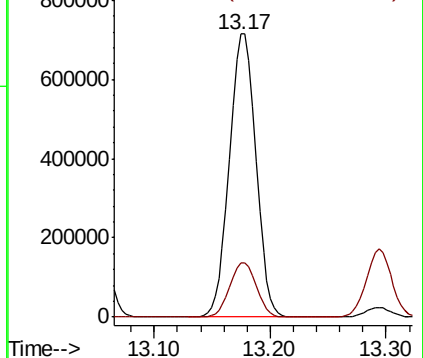
105 100

134 19.5 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: 57.008 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

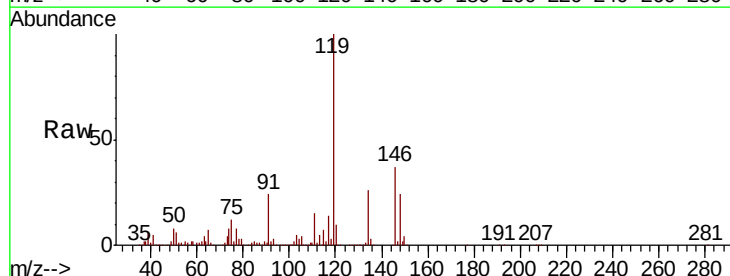
Tgt Ion:119 Resp: 1024037

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

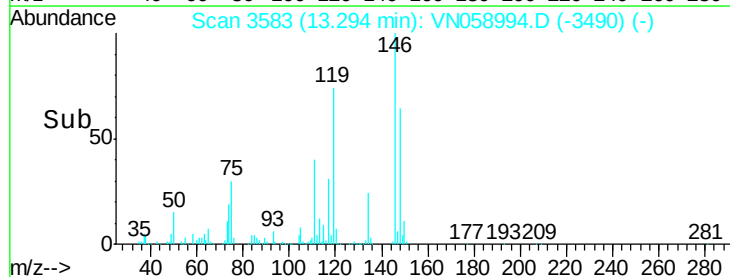
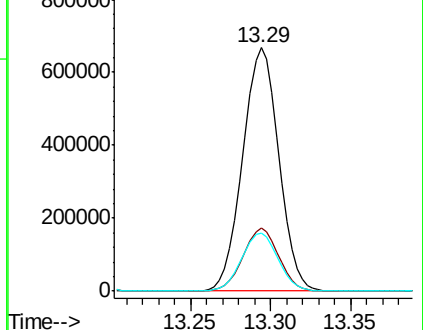
91 24.2 12.2 36.4

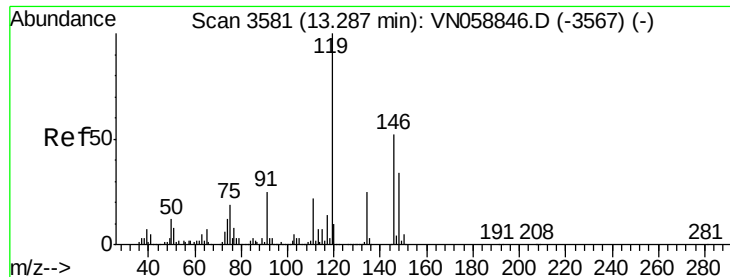


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

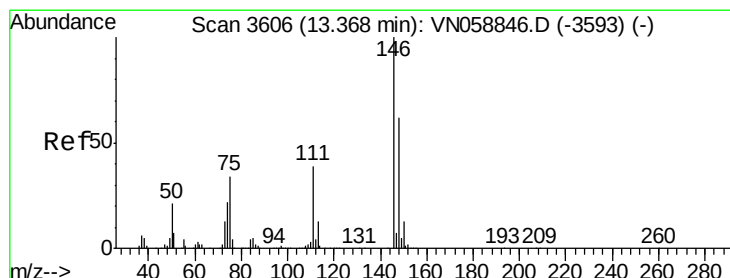
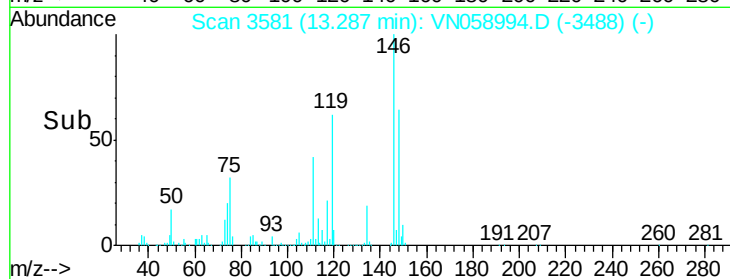
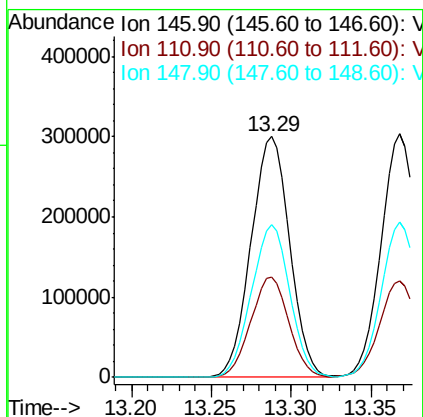
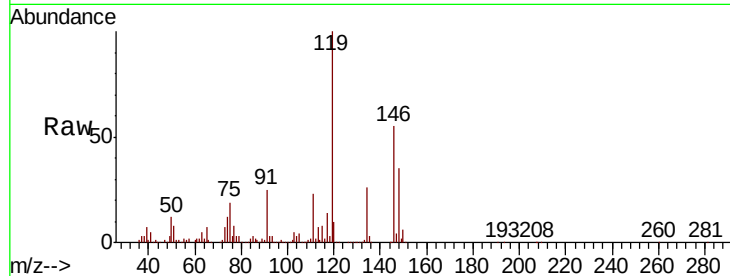




#87
 1,3-Dichlorobenzene
 Concen: 53.137 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

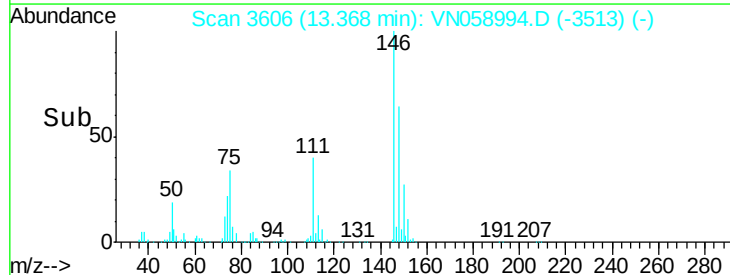
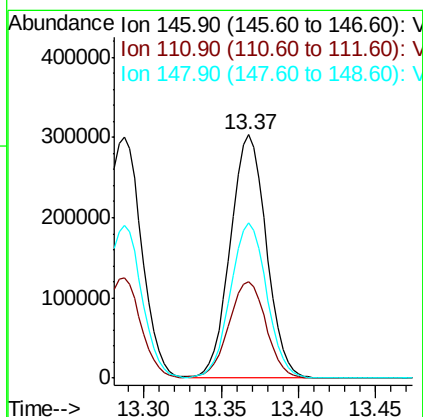
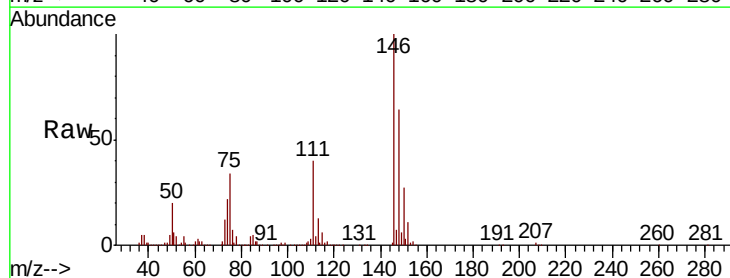
Instrument :
 MSVOA_N
 ClientSampleId :

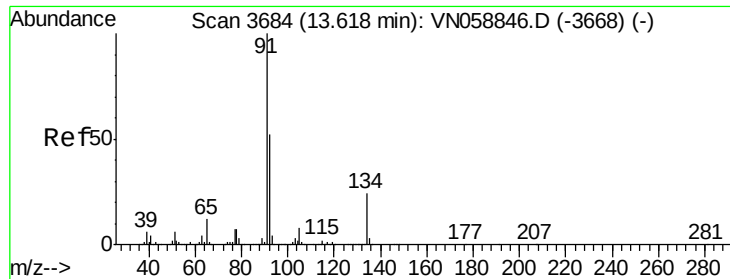
Tot Ion:146 Resp: 497723
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.0 63.0
 148 63.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 52.218 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058994.D
 Acq: 28 Oct 2019 14:42

Tgt Ion:146 Resp: 489700
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.6
 148 64.5 31.6 94.7

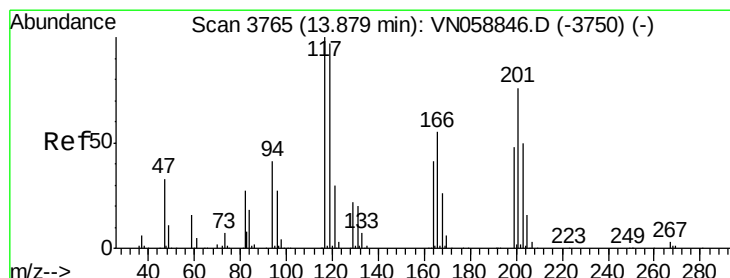
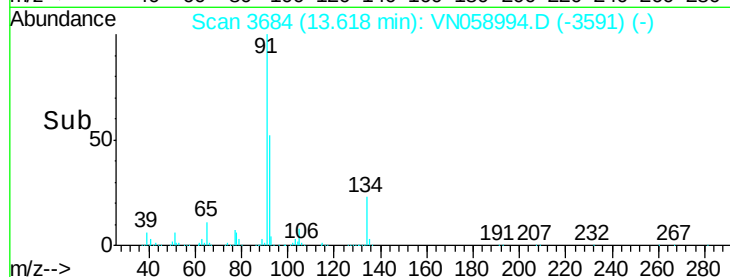
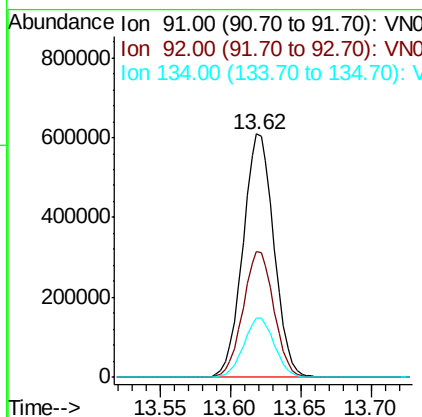
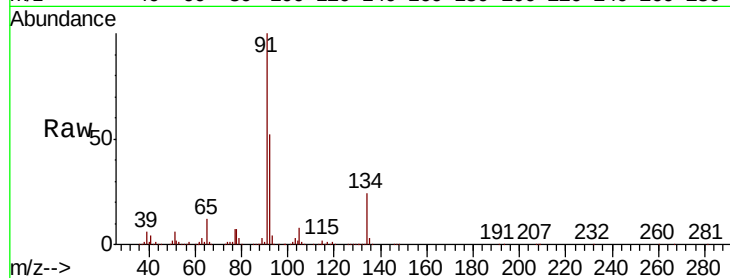




#89
n-Butylbenzene
Concen: 56.894 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

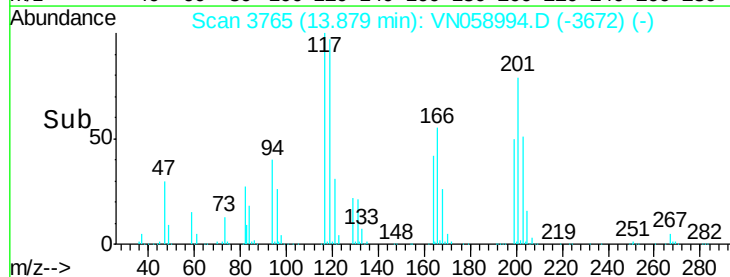
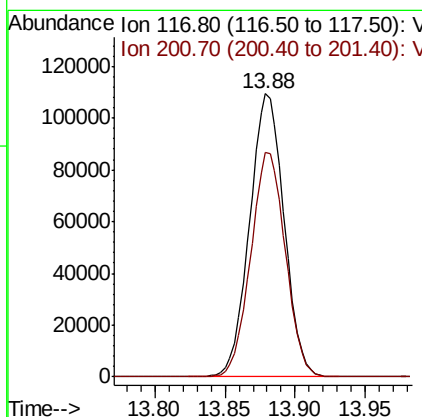
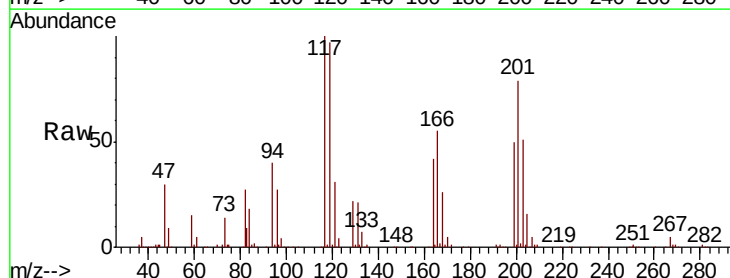
Instrument :
MSVOA_N
ClientSampled :

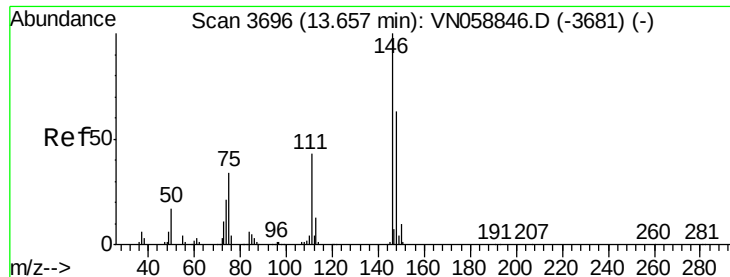
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	24.3	11.9	35.5



#90
Hexachloroethane
Concen: 51.427 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	38.9	116.6





#91

1,2-Dichlorobenzene

Concen: 52.875 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

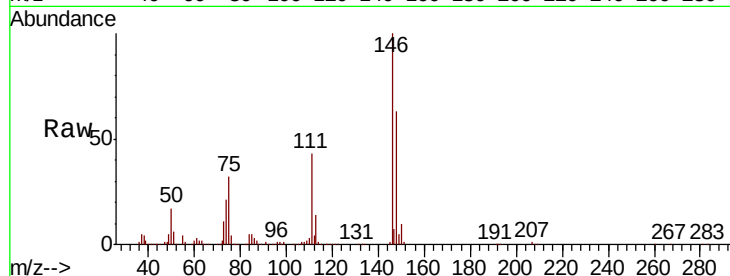
Tot Ion:146 Resp: 486789

Ion Ratio Lower Upper

146 100

111 42.9 21.6 64.8

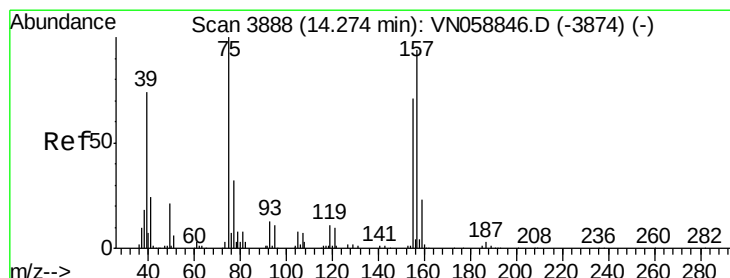
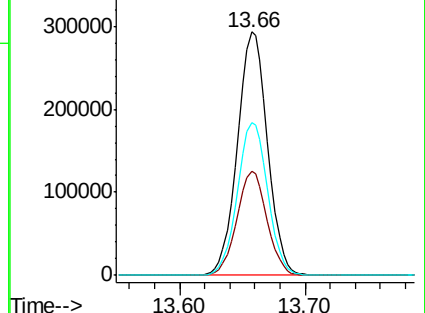
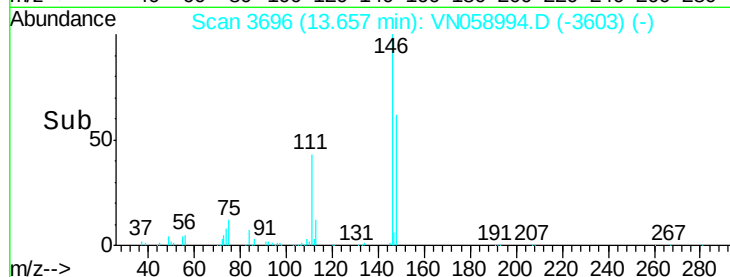
148 63.6 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.684 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

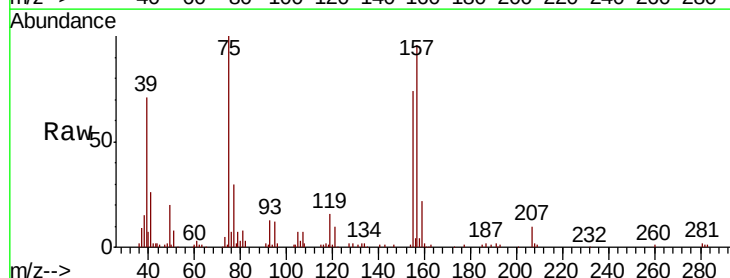
Tgt Ion: 75 Resp: 73837

Ion Ratio Lower Upper

75 100

155 74.5 35.6 106.8

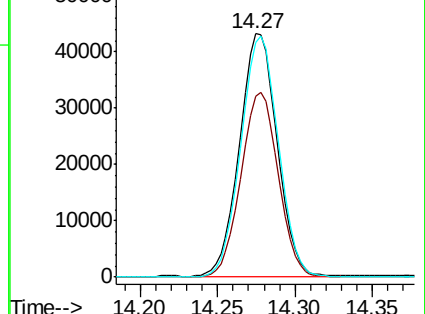
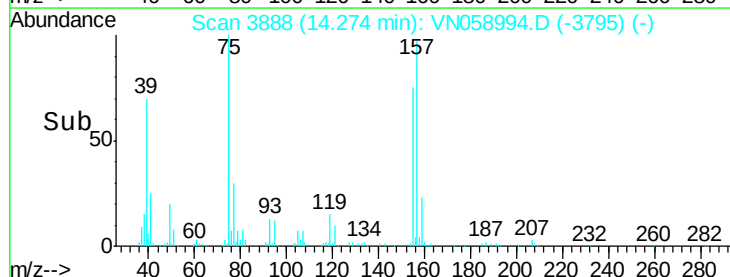
157 97.7 47.4 142.2

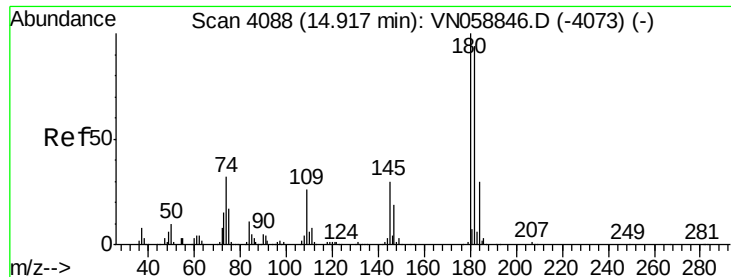


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

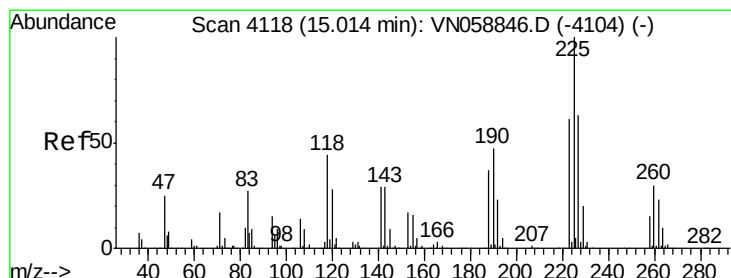
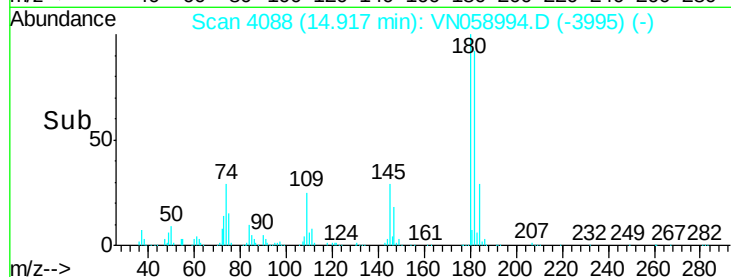
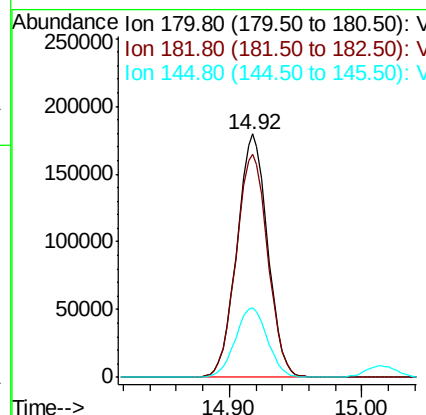
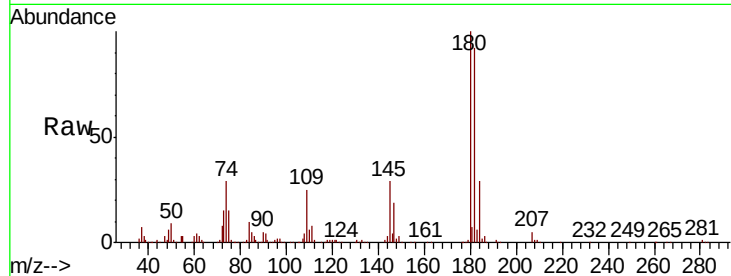




#93
1,2,4-Trichlorobenzene
Concen: 49.773 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

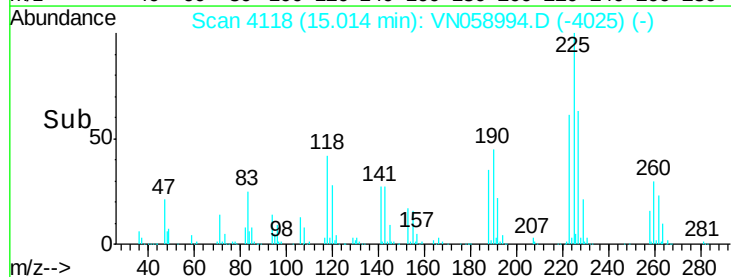
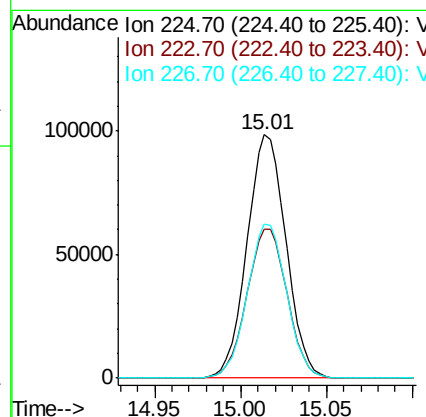
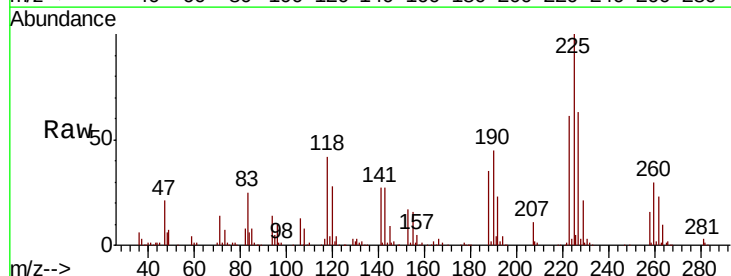
Instrument :
MSVOA_N
ClientSampled :

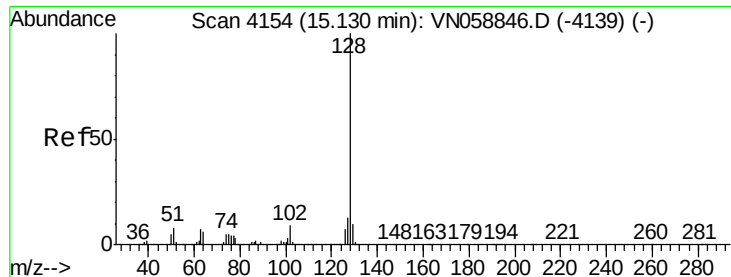
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	29.9	15.3	45.8



#94
Hexachlorobutadiene
Concen: 51.936 ug/l
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN058994.D
Acq: 28 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	30.9	92.5
227	63.7	31.6	94.7





#95

Naphthalene

Concen: 45.967 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

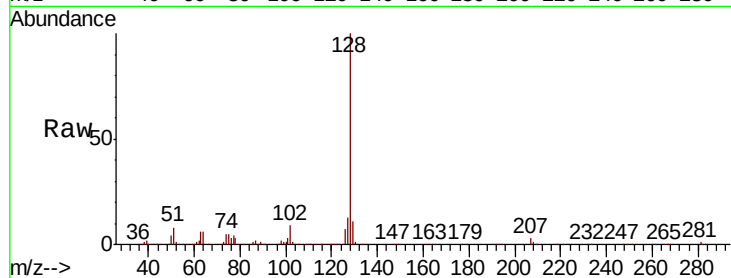
Tot Ion:128 Resp: 762560

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

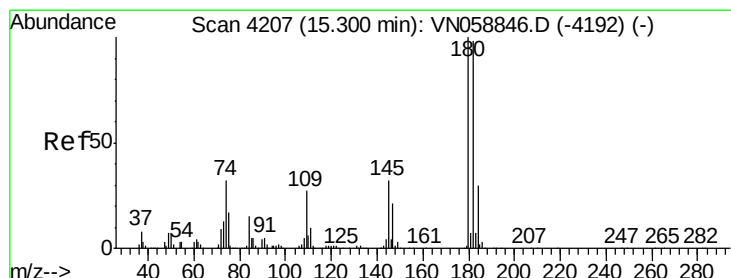
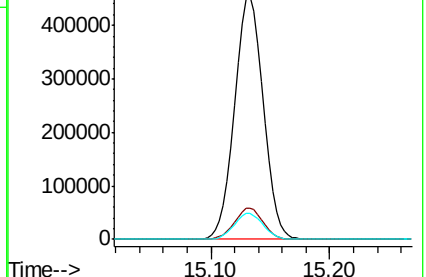
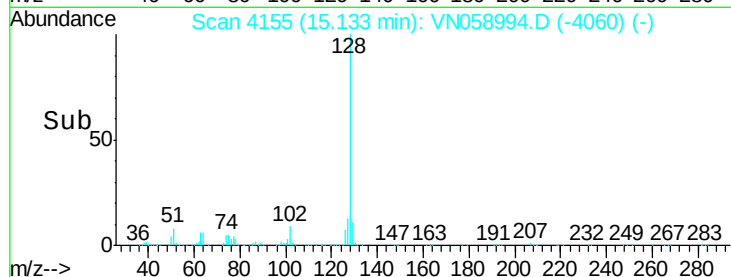
129 10.8 8.4 12.6



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: 48.360 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058994.D

Acq: 28 Oct 2019 14:42

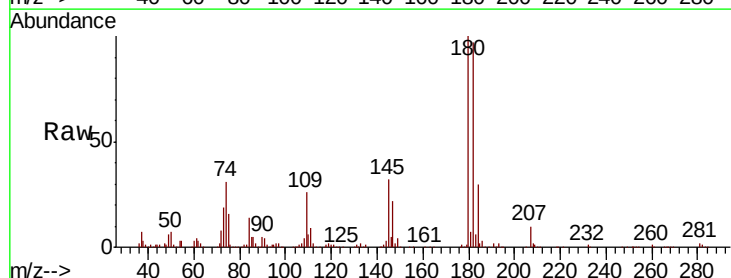
Tgt Ion:180 Resp: 272391

Ion Ratio Lower Upper

180 100

182 97.0 47.9 143.7

145 32.2 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

