

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058988.D
 Acq On : 28 Oct 2019 11:37
 Operator : JC/SP
 Sample : VN1028WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	430733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	320233	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
35) Dibromofluoromethane	7.57	113	239103	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
50) Toluene-d8	10.08	98	904495	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	329088	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	104199	19.403	ug/l	97
3) Chloromethane	2.04	50	131761	19.810	ug/l	98
4) Vinyl Chloride	2.17	62	138372	20.952	ug/l	99
5) Bromomethane	2.55	94	76735	18.555	ug/l	96
6) Chloroethane	2.68	64	84702	20.000	ug/l	100
7) Trichlorofluoromethane	3.00	101	170150	20.823	ug/l	100
8) Diethyl Ether	3.39	74	62088	21.987	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	96378	21.275	ug/l	99
10) Methyl Iodide	3.93	142	108228	18.165	ug/l	100
11) Tert butyl alcohol	4.76	59	106539	101.626	ug/l	100
12) 1,1-Dichloroethene	3.72	96	90816	21.388	ug/l	95
13) Acrolein	3.59	56	47799	66.358	ug/l	100
14) Allyl chloride	4.30	41	170888	19.888	ug/l	95
15) Acrylonitrile	4.96	53	301530	114.346	ug/l	99
16) Acetone	3.79	43	333726	106.906	ug/l	99
17) Carbon Disulfide	4.03	76	257973	18.860	ug/l	99
18) Methyl Acetate	4.30	43	157186	22.148	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	335964	22.596	ug/l	97
20) Methylene Chloride	4.53	84	111263	20.874	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	100606	21.454	ug/l	96
22) Diisopropyl ether	5.93	45	386267	22.983	ug/l	98
23) Vinyl Acetate	5.87	43	1602477	118.678	ug/l	100
24) 1,1-Dichloroethane	5.82	63	210658	21.617	ug/l	100
25) 2-Butanone	6.81	43	438876	108.304	ug/l	98
26) 2,2-Dichloropropane	6.80	77	183991	21.828	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	117984	22.025	ug/l	99
28) Bromochloromethane	7.17	49	70653	21.770	ug/l	97
29) Tetrahydrofuran	7.19	42	273856	110.475	ug/l	99
30) Chloroform	7.35	83	206393	21.114	ug/l	100
31) Cyclohexane	7.63	56	183527	20.215	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	175802	21.336	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152336	21.601	ug/l	100
37) Ethyl Acetate	6.91	43	171374	22.302	ug/l	99
38) Carbon Tetrachloride	7.75	117	152946	21.052	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	162217	20.486	ug/l	97
40) Benzene	8.02	78	455413	21.992	ug/l	98
41) Methacrylonitrile	7.15	41	69383	20.273	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	169236	21.215	ug/l	99
43) Isopropyl Acetate	8.15	43	272907	22.145	ug/l	99
44) Trichloroethene	8.82	130	108046	21.418	ug/l	100
45) 1,2-Dichloropropane	9.10	63	128347	22.602	ug/l	99
46) Dibromomethane	9.19	93	78016	21.732	ug/l	99
47) Bromodichloromethane	9.39	83	159809	21.599	ug/l	99
48) Methyl methacrylate	9.19	41	119498	21.372	ug/l	97
49) 1,4-Dioxane	9.19	88	38803	422.758	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	862793	119.862	ug/l	100
52) Toluene	10.15	92	275036	22.396	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176916	21.599	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	194133	22.185	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	112534	22.244	ug/l	98
56) Ethyl methacrylate	10.42	69	165481	20.754	ug/l	98
57) 1,3-Dichloropropane	10.70	76	193473	21.790	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	361387	104.090	ug/l	100
59) 2-Hexanone	10.75	43	642097	115.437	ug/l	100
60) Dibromochloromethane	10.90	129	118608	21.782	ug/l	100
61) 1,2-Dibromoethane	11.00	107	114629	22.141	ug/l	98
64) Tetrachloroethene	10.63	164	95436	21.605	ug/l	98
65) Chlorobenzene	11.43	112	283441	22.073	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	110741	22.853	ug/l	100
67) Ethyl Benzene	11.51	91	519514	23.063	ug/l	99
68) m/p-Xylenes	11.62	106	385779	46.180	ug/l	99
69) o-Xylene	11.95	106	179518	22.532	ug/l	100
70) Styrene	11.97	104	295793	21.137	ug/l	100
71) Bromoform	12.13	173	83256	22.157	ug/l #	99
73) Isopropylbenzene	12.25	105	495908	22.774	ug/l	100
74) N-amyl acetate	12.07	43	220165	22.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	172738	22.561	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	228191	33.045	ug/l #	100
77) Bromobenzene	12.53	156	119559	22.276	ug/l	97
78) n-propylbenzene	12.59	91	580259	22.544	ug/l	99
79) 2-Chlorotoluene	12.68	91	348672	22.133	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	416736	22.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58362	22.017	ug/l	98
82) 4-Chlorotoluene	12.78	91	358131	22.246	ug/l	99
83) tert-Butylbenzene	13.00	119	353185	22.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	416502	23.081	ug/l	99
85) sec-Butylbenzene	13.17	105	475079	22.777	ug/l	99
86) p-Isopropyltoluene	13.29	119	420872	22.868	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	212011	22.092	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	205540	21.392	ug/l	97
89) n-Butylbenzene	13.62	91	368462	21.794	ug/l	99
90) Hexachloroethane	13.88	117	80219	21.510	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	213995	22.687	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34877	20.140	ug/l	96

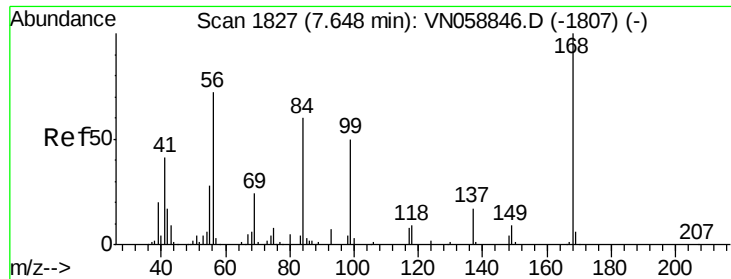
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	111140	20.294	ug/l	99
94) Hexachlorobutadiene	15.01	225	67732	22.155	ug/l	99
95) Naphthalene	15.13	128	307430	19.437	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	113167	21.033	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

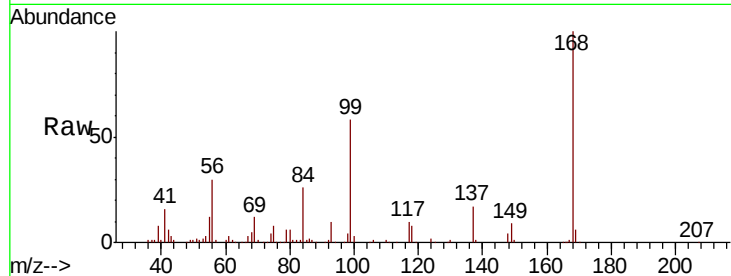
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 430733

Ion Ratio Lower Upper

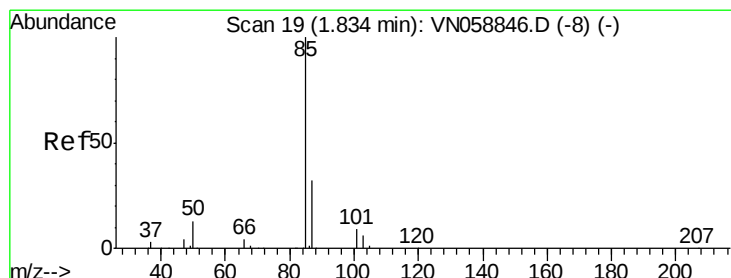
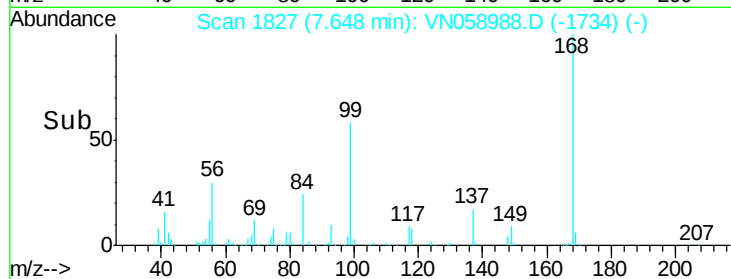
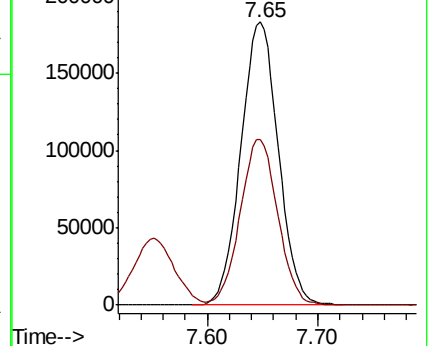
168 100

99 58.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.403 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058988.D

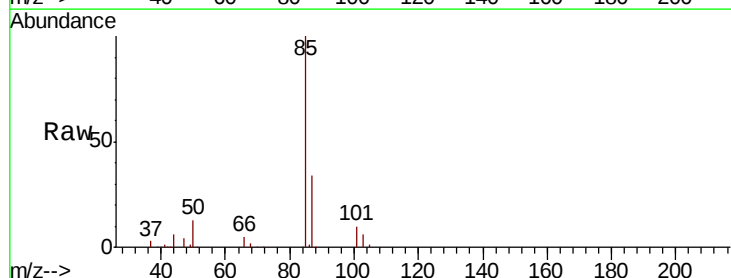
Acq: 28 Oct 2019 11:37

Tgt Ion: 85 Resp: 104199

Ion Ratio Lower Upper

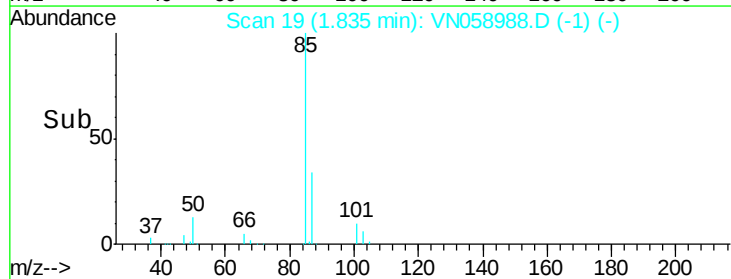
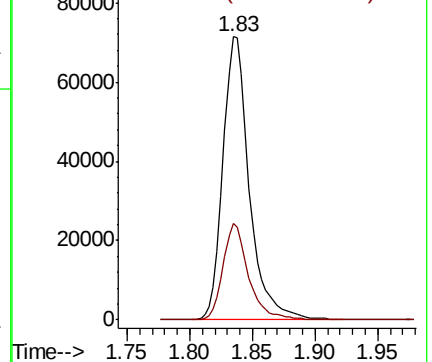
85 100

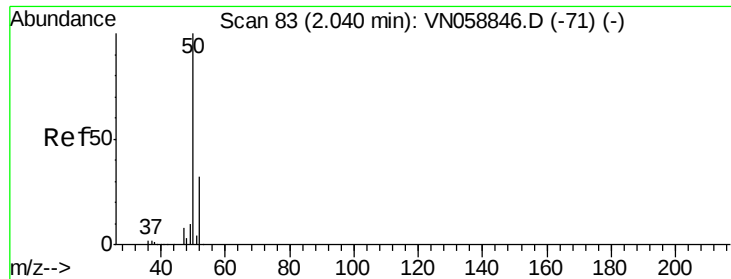
87 33.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.810 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

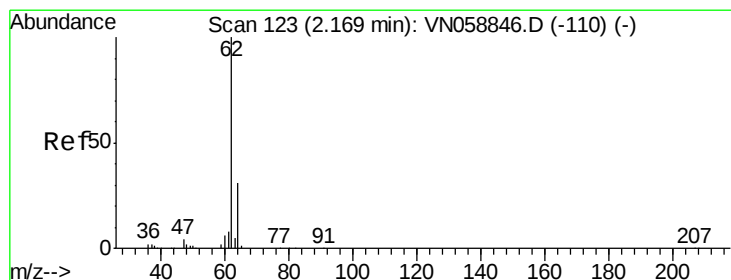
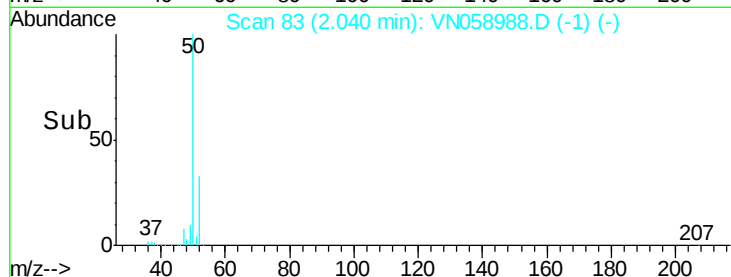
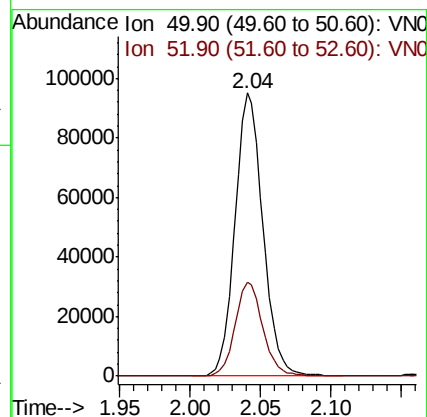
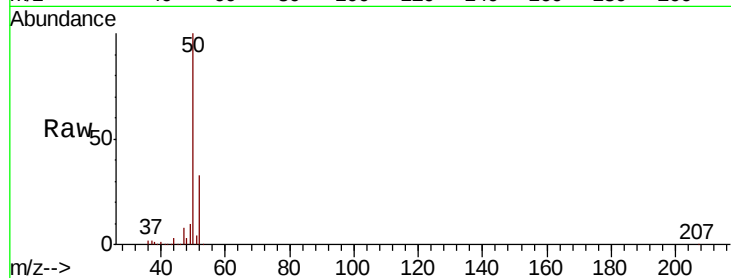
ClientSampled :

Tot Ion: 50 Resp: 131761

Ion Ratio Lower Upper

50 100

52 33.2 25.7 38.5



#4

Vinyl Chloride

Concen: 20.952 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058988.D

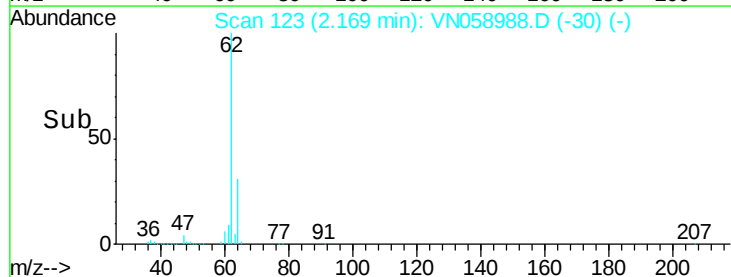
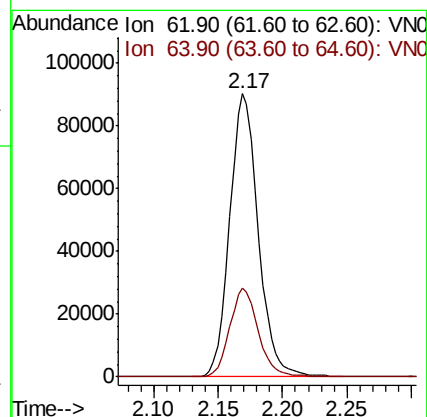
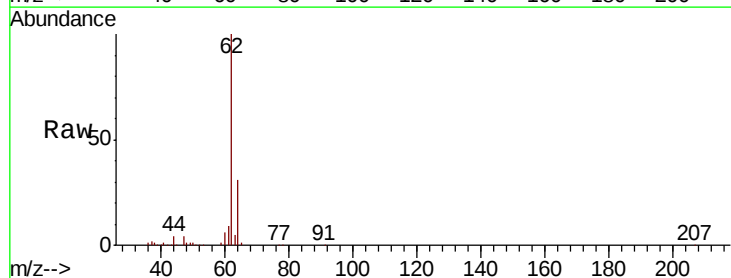
Acq: 28 Oct 2019 11:37

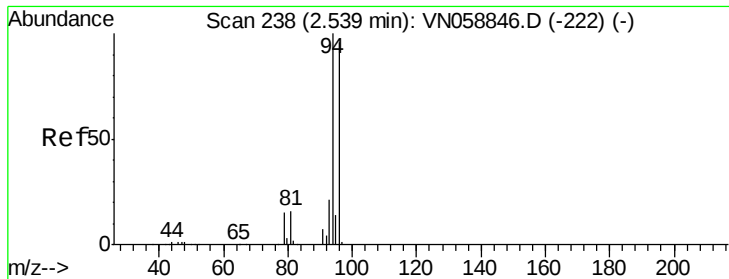
Tgt Ion: 62 Resp: 138372

Ion Ratio Lower Upper

62 100

64 31.3 24.6 36.8





#5

Bromomethane

Concen: 18.555 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

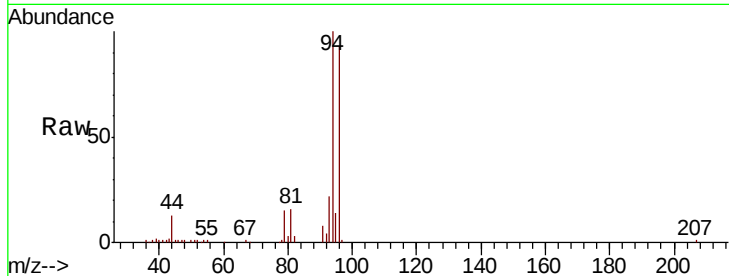
ClientSampleId :

Tot Ion: 94 Resp: 76735

Ion Ratio Lower Upper

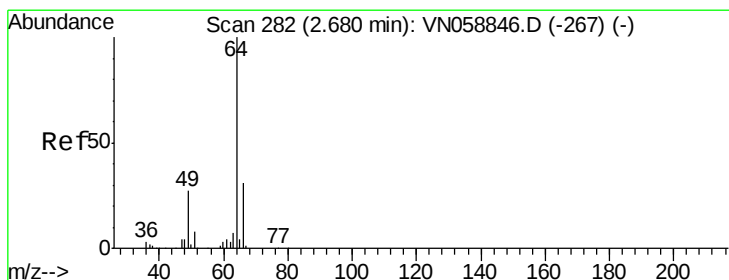
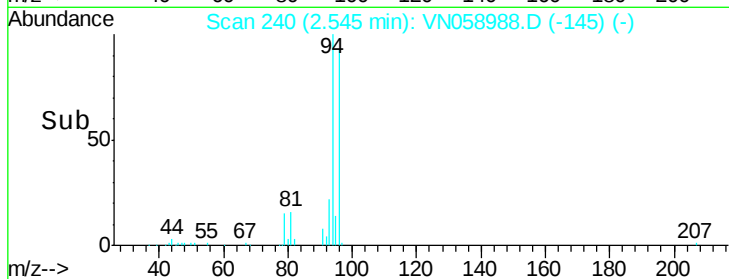
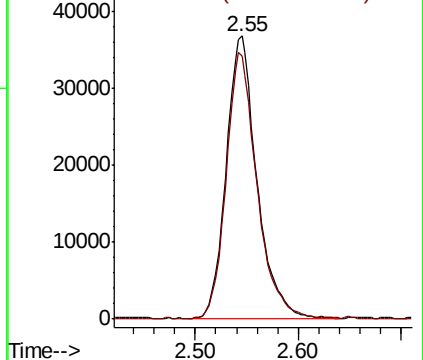
94 100

96 92.8 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.000 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058988.D

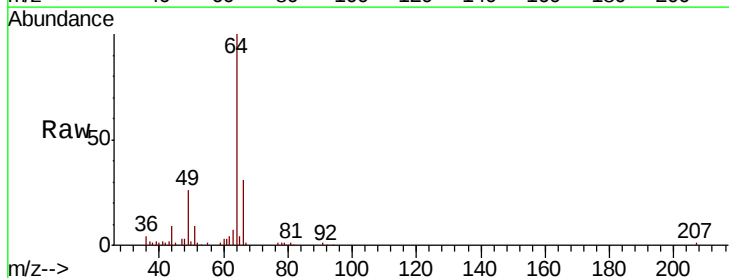
Acq: 28 Oct 2019 11:37

Tgt Ion: 64 Resp: 84702

Ion Ratio Lower Upper

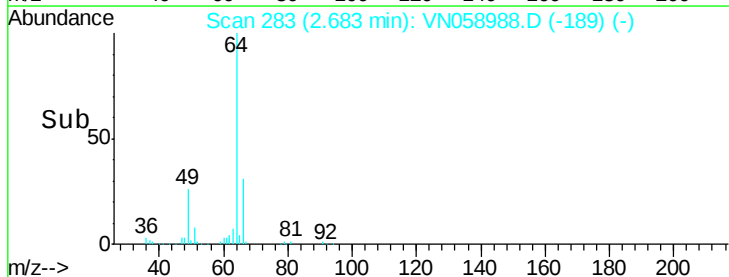
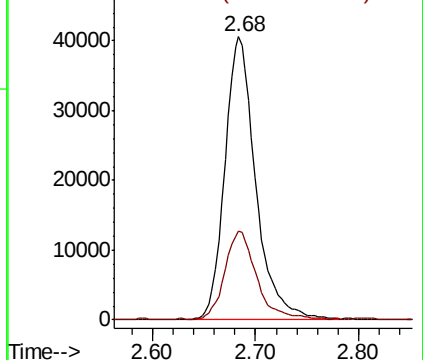
64 100

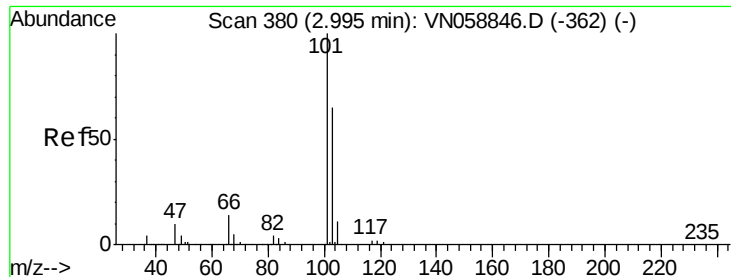
66 31.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



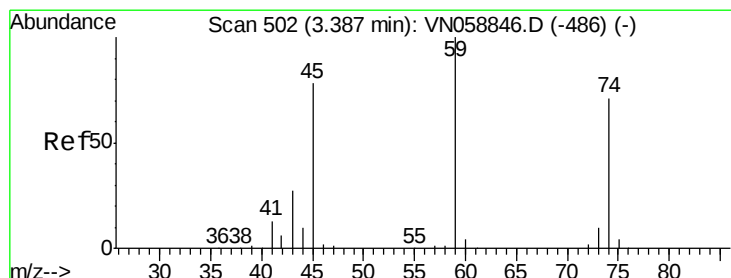
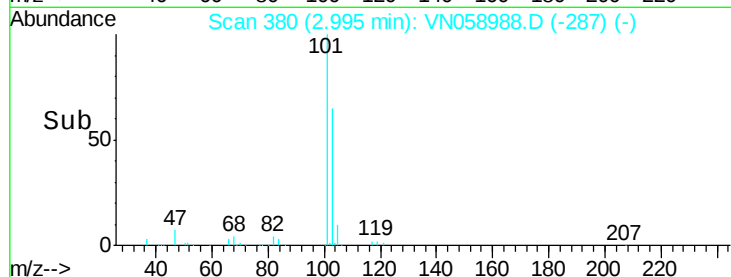
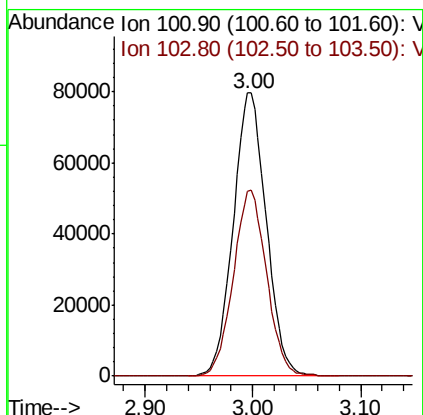
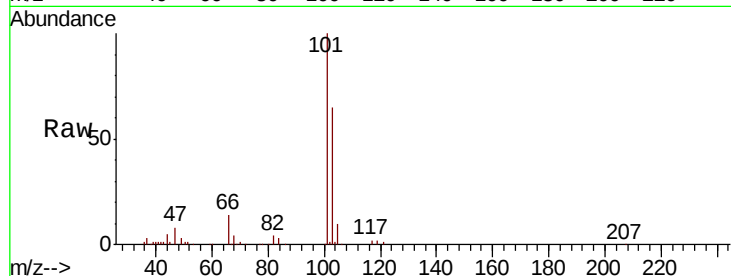


#7

Trichlorofluoromethane
Concen: 20.823 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

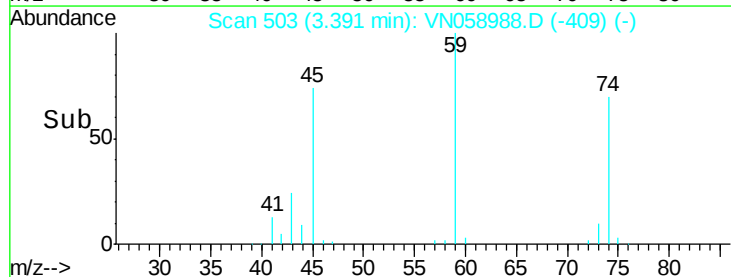
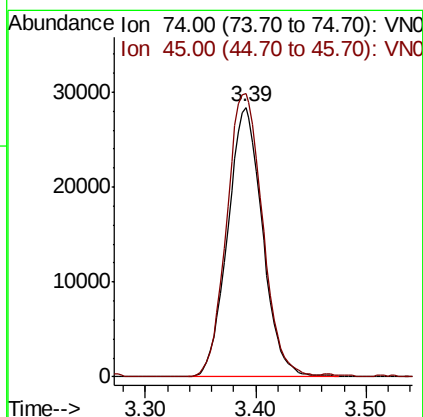
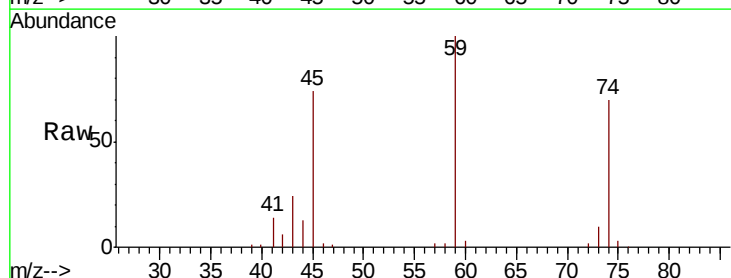
Tot Ion:101 Resp: 170150
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

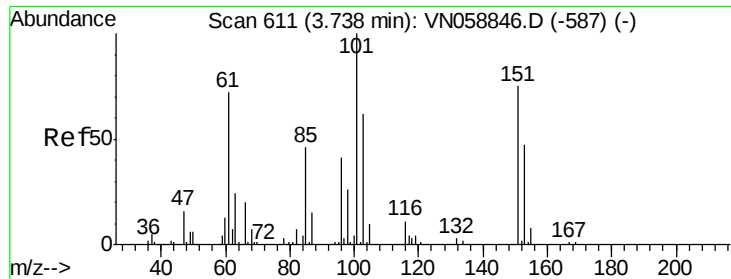


#8

Diethyl Ether
Concen: 21.987 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 74 Resp: 62088
Ion Ratio Lower Upper
74 100
45 108.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.275 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

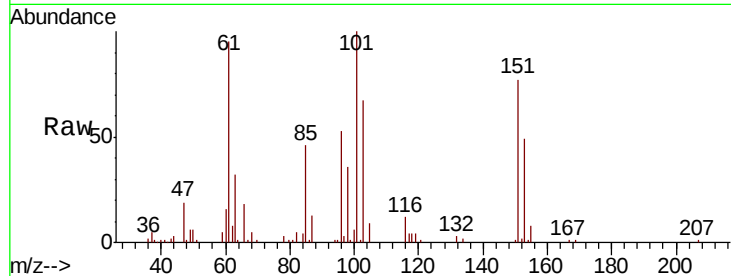
Tot Ion:101 Resp: 96378

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

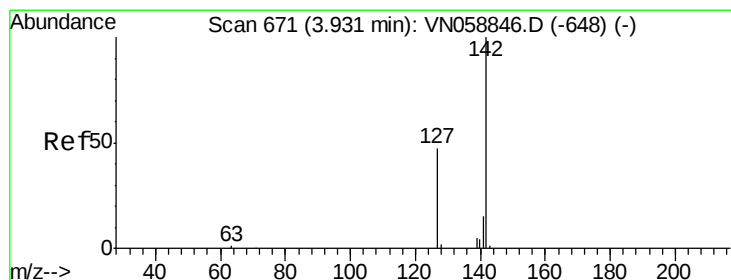
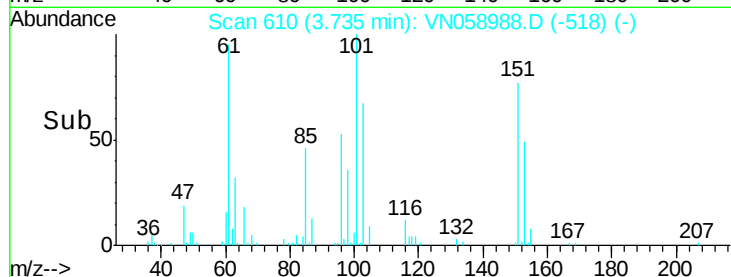
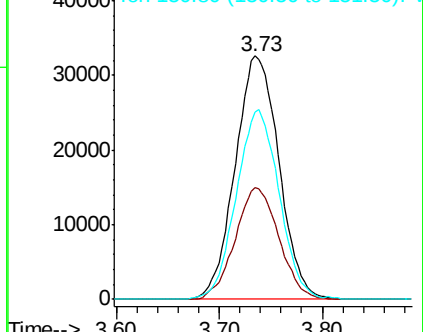
151 76.1 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.165 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

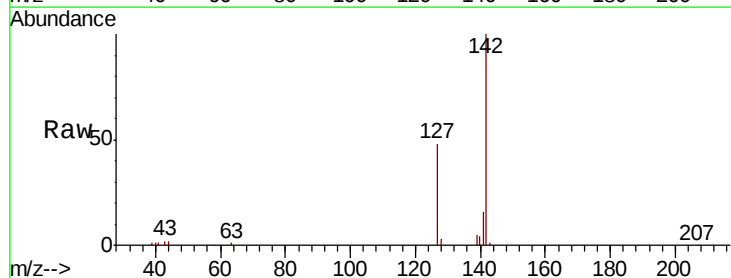
Tgt Ion:142 Resp: 108228

Ion Ratio Lower Upper

142 100

127 45.5 36.6 54.8

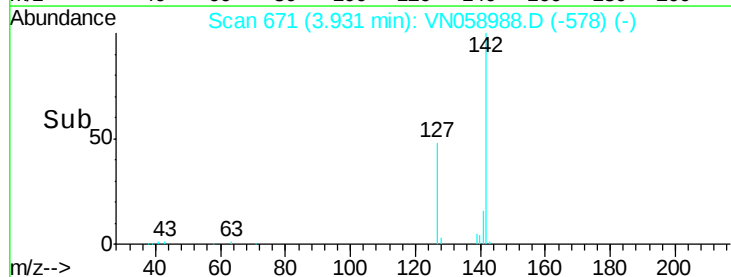
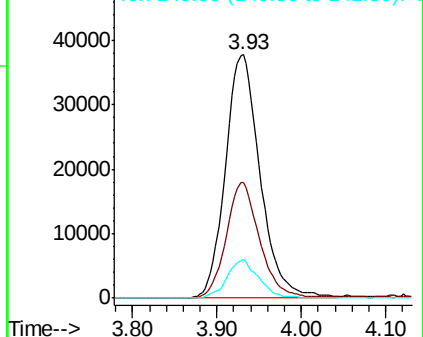
141 14.3 11.4 17.2

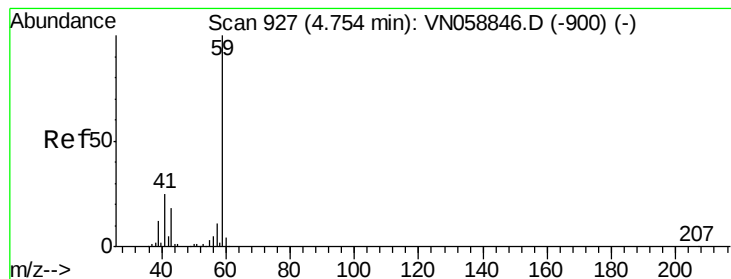


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 101.626 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

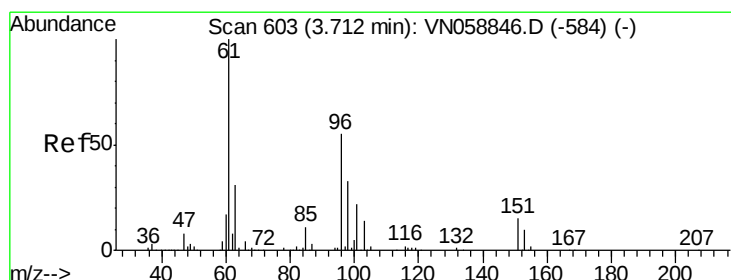
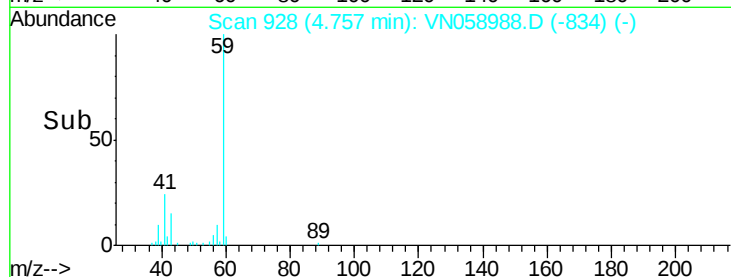
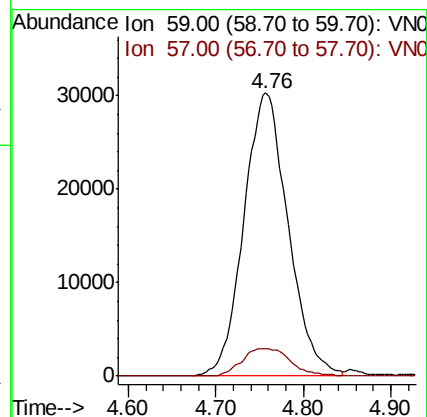
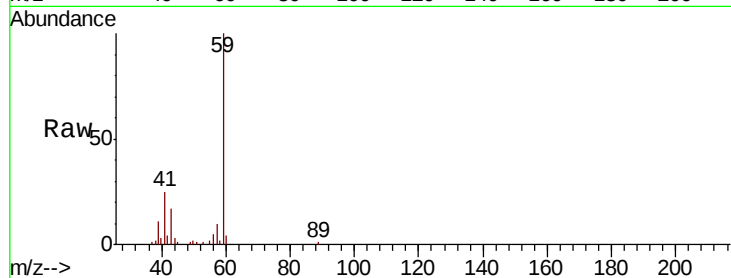
ClientSampleId :

Tot Ion: 59 Resp: 106539

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#12

1,1-Dichloroethene

Concen: 21.388 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

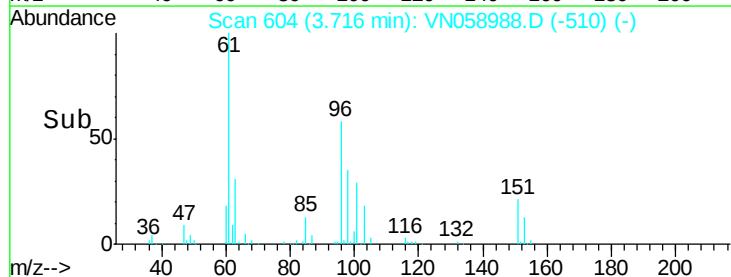
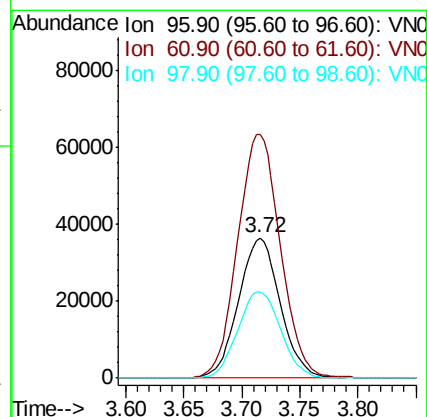
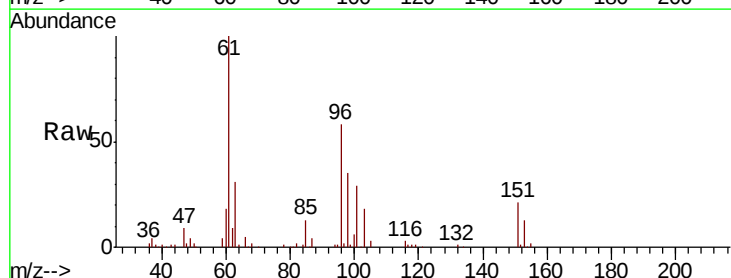
Tgt Ion: 96 Resp: 90816

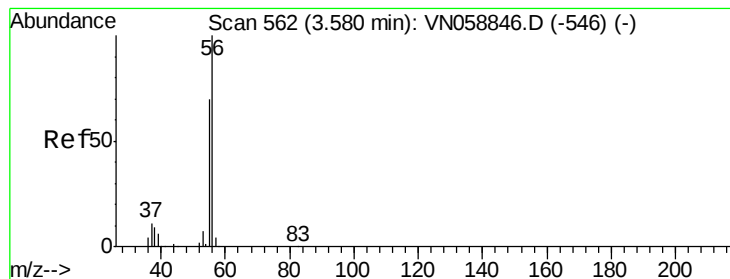
Ion Ratio Lower Upper

96 100

61 173.3 146.2 219.2

98 61.2 48.7 73.1





#13

Acrolein

Concen: 66.358 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

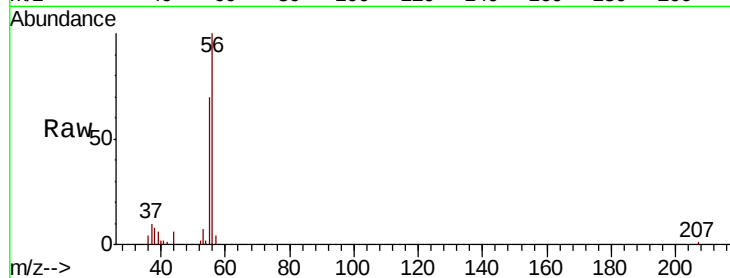
ClientSampled :

Tot Ion: 56 Resp: 47799

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

20000

15000

10000

5000

0

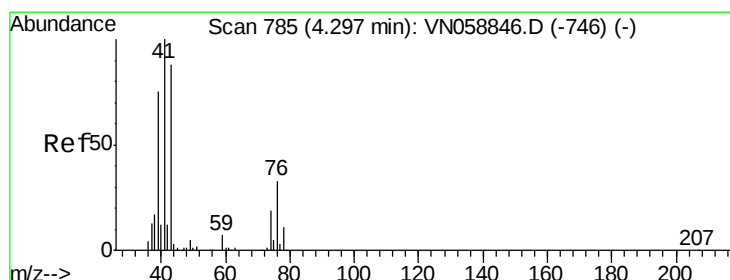
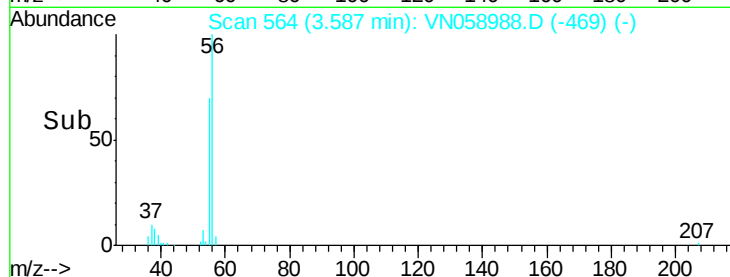
3.59

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 19.888 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

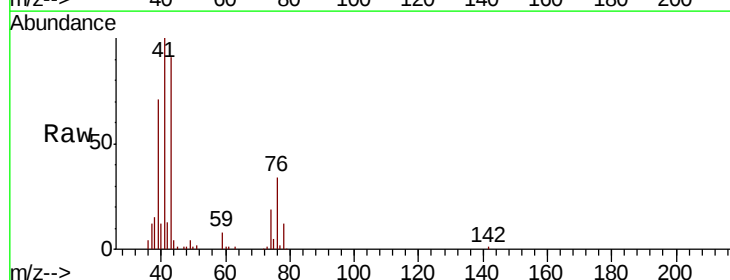
Tgt Ion: 41 Resp: 170888

Ion Ratio Lower Upper

41 100

39 73.0 55.9 83.9

76 33.8 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

80000

60000

40000

20000

0

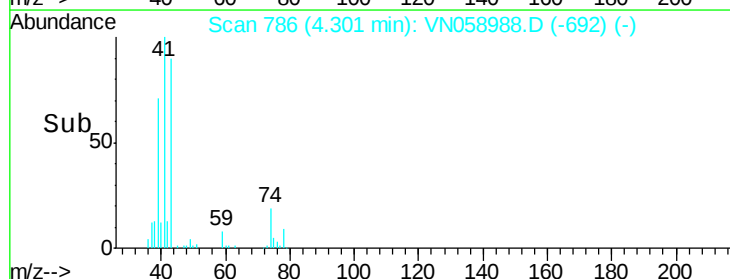
4.30

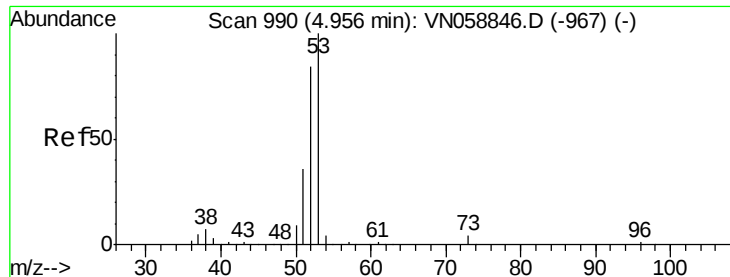
4.20

4.30

4.40

Time-->





#15

Acrylonitrile

Concen: 114.346 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

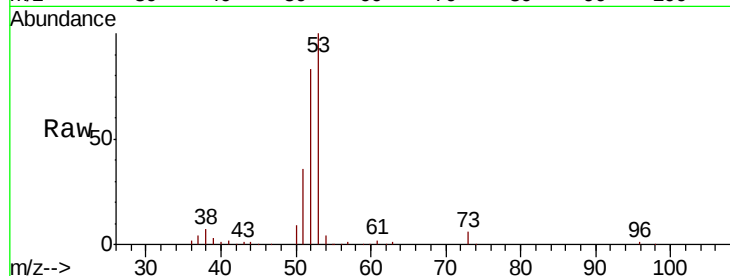
Tot Ion: 53 Resp: 301530

Ion Ratio Lower Upper

53 100

52 81.9 66.6 99.8

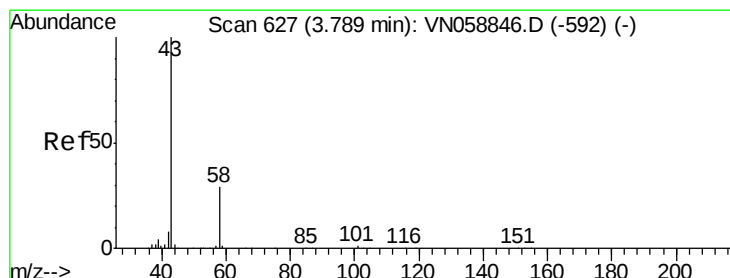
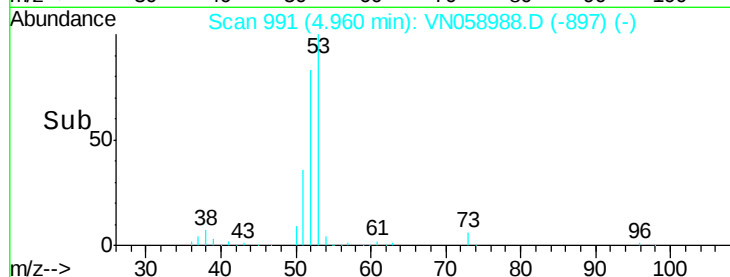
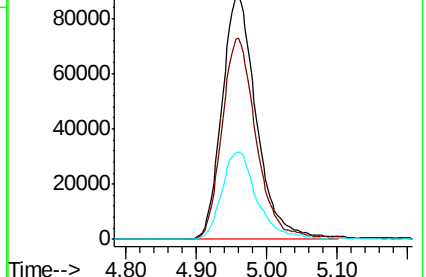
51 36.5 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058988.D (-897) (-)

Ion 52.00 (51.70 to 52.70): VN058988.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VN058988.D (-897) (-)



#16

Acetone

Concen: 106.906 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058988.D

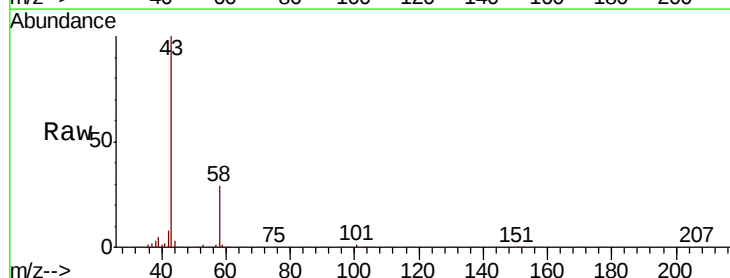
Acq: 28 Oct 2019 11:37

Tgt Ion: 43 Resp: 333726

Ion Ratio Lower Upper

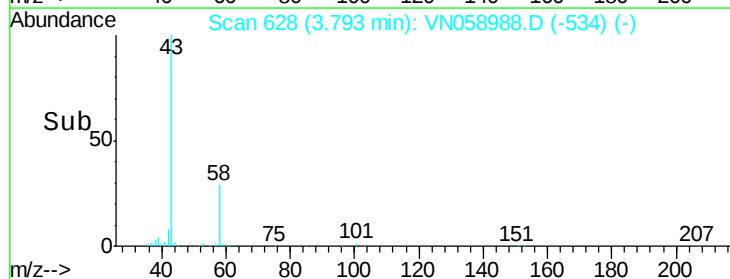
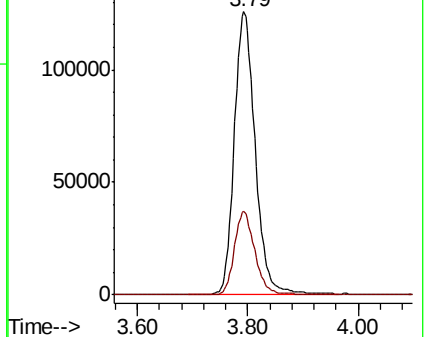
43 100

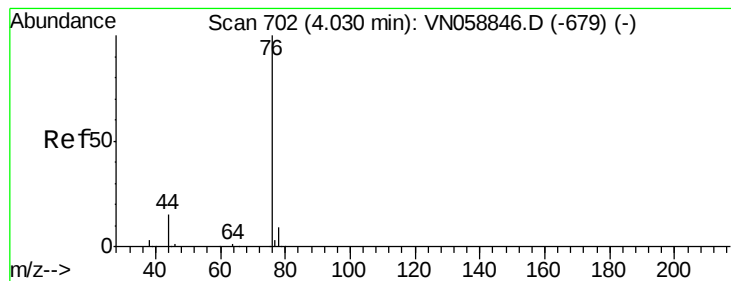
58 29.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058988.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN058988.D (-534) (-)





#17

Carbon Disulfide

Concen: 18.860 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

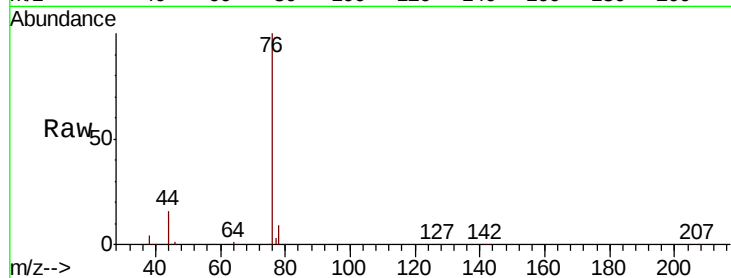
ClientSampled :

Tot Ion: 76 Resp: 257973

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.03

100000

80000

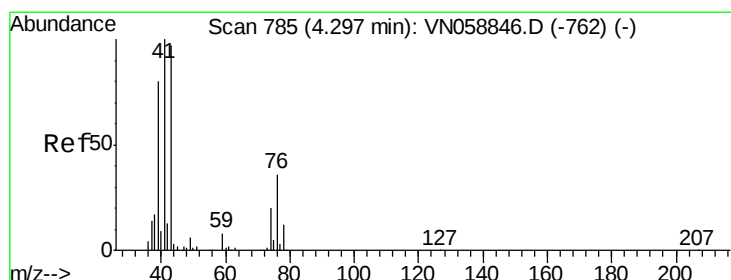
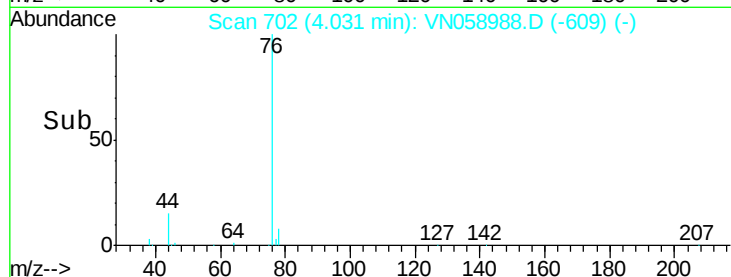
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 22.148 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058988.D

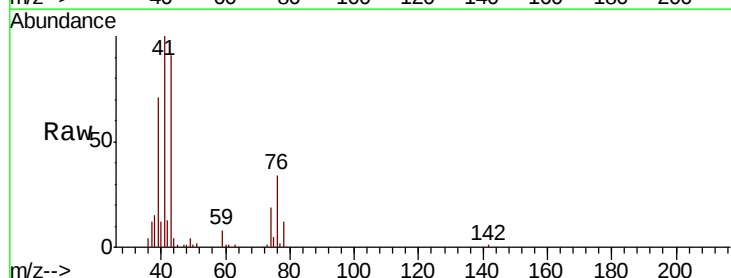
Acq: 28 Oct 2019 11:37

Tgt Ion: 43 Resp: 157186

Ion Ratio Lower Upper

43 100

74 22.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.30

60000

50000

40000

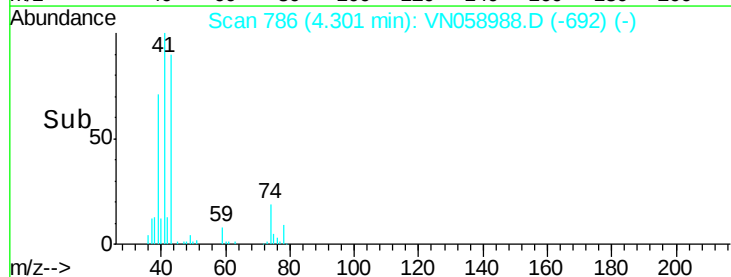
30000

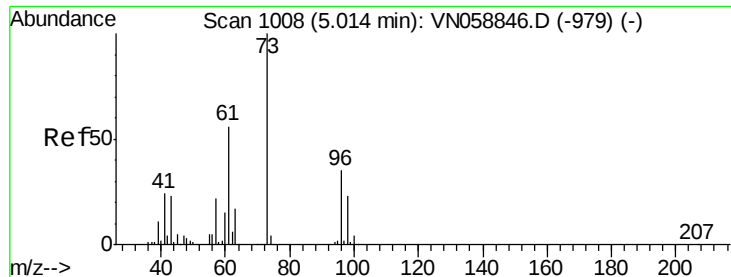
20000

10000

0

Time--> 4.20 4.30 4.40

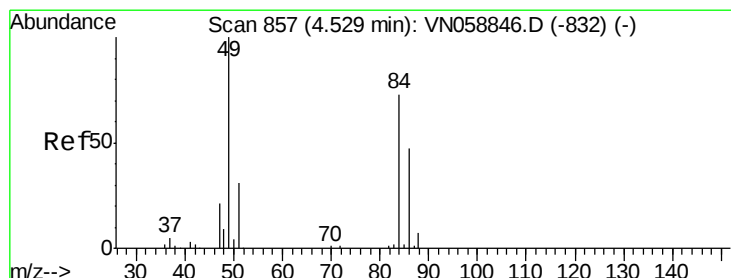
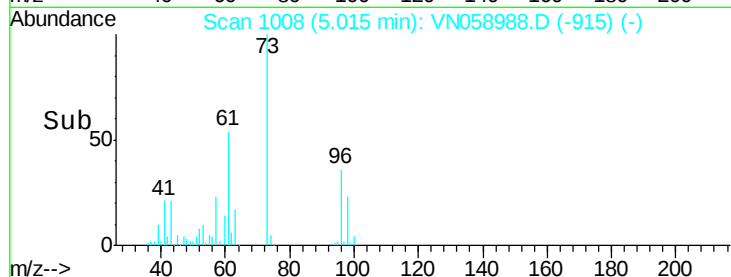
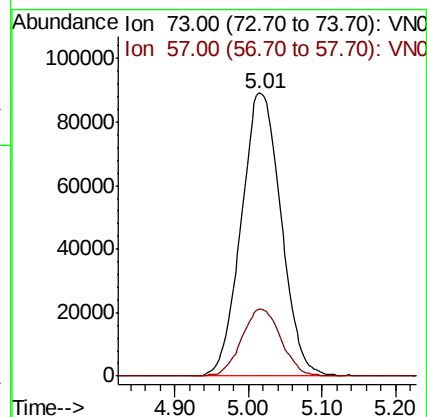
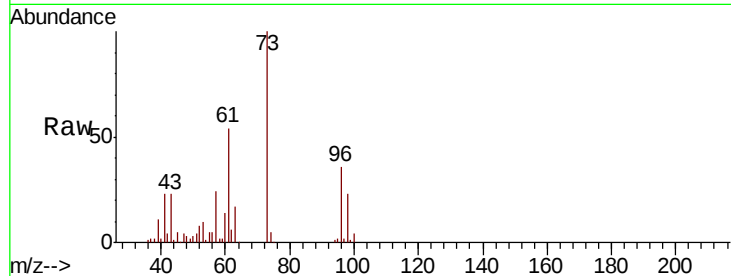




#19
Methvl tert-butvl Ether
Concen: 22.596 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

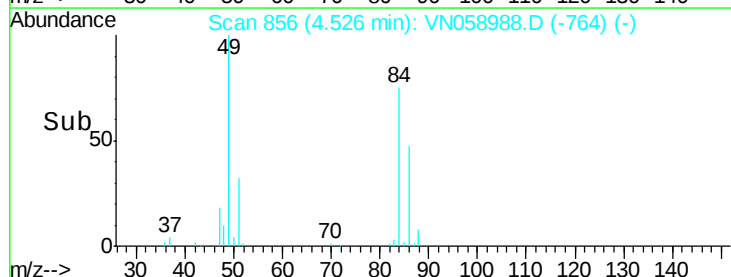
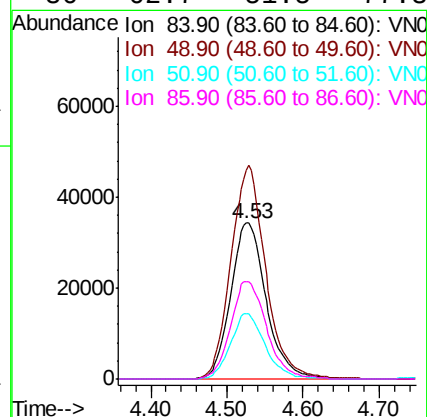
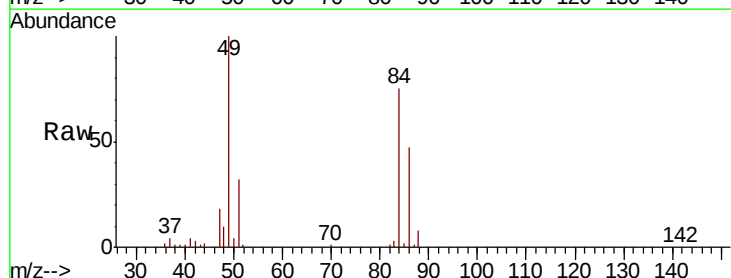
Instrument :
MSVOA_N
ClientSampled :

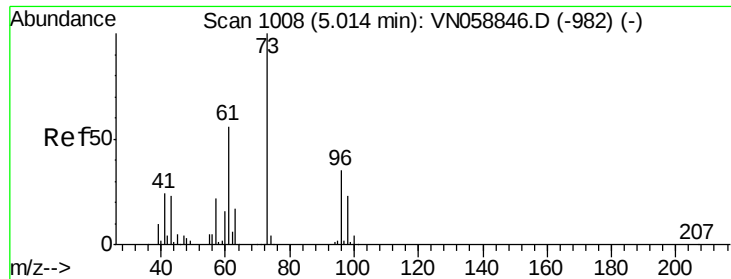
Tot Ion: 73 Resp: 335964
Ion Ratio Lower Upper
73 100
57 23.8 17.9 26.9



#20
Methylene Chloride
Concen: 20.874 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 84 Resp: 111263
Ion Ratio Lower Upper
84 100
49 133.6 109.6 164.4
51 42.3 33.8 50.6
86 62.7 51.5 77.3

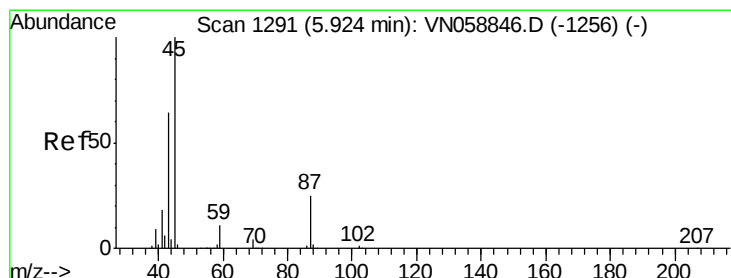
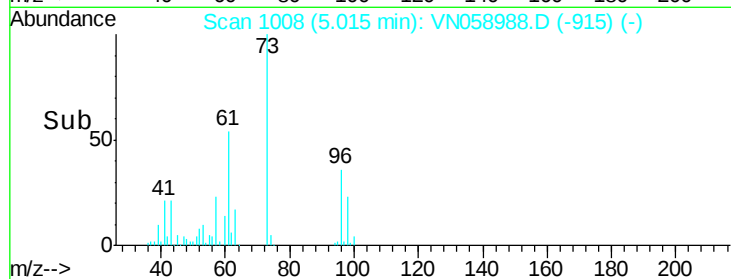
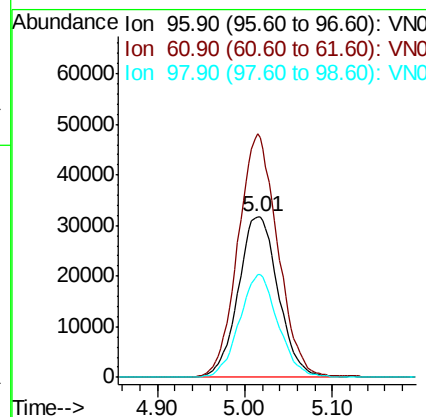
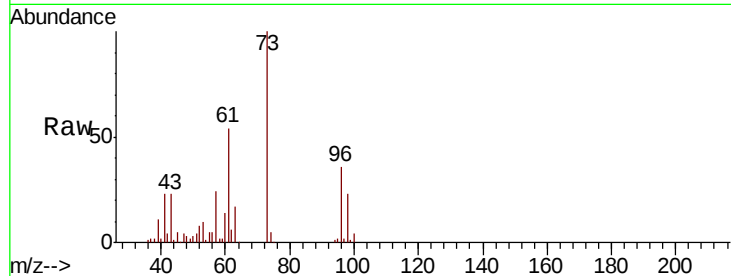




#21
trans-1,2-Dichloroethene
Concen: 21.454 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

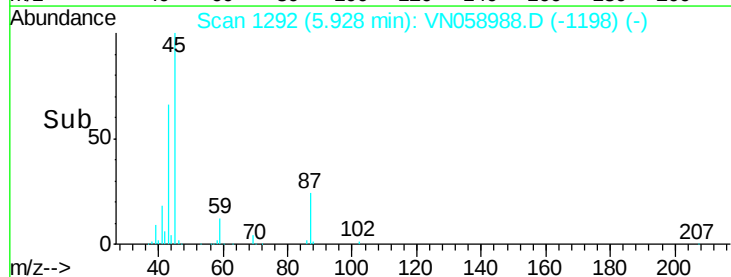
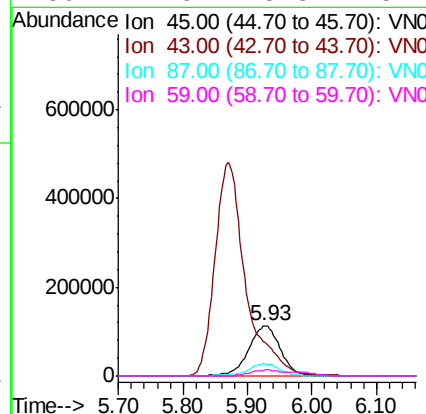
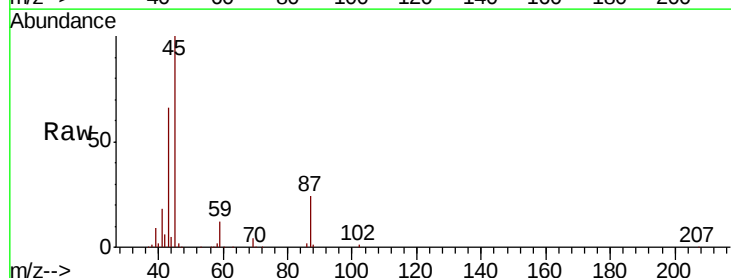
Instrument :
MSVOA_N
ClientSampleId :

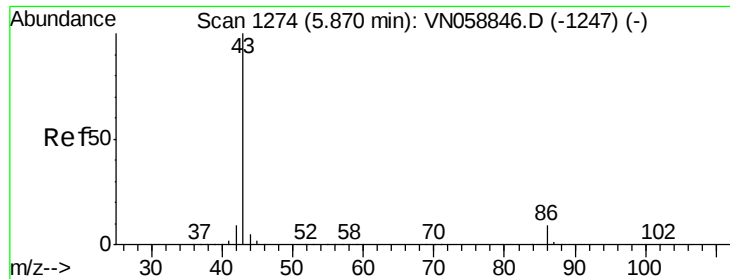
Tot Ion: 96 Resp: 100606
Ion Ratio Lower Upper
96 100
61 151.6 126.7 190.1
98 63.8 52.0 78.0



#22
Diisopropyl ether
Concen: 22.983 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 45 Resp: 386267
Ion Ratio Lower Upper
45 100
43 65.1 52.9 79.3
87 24.3 20.2 30.4
59 11.6 8.8 13.2





#23

Vinyl Acetate

Concen: 118.678 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

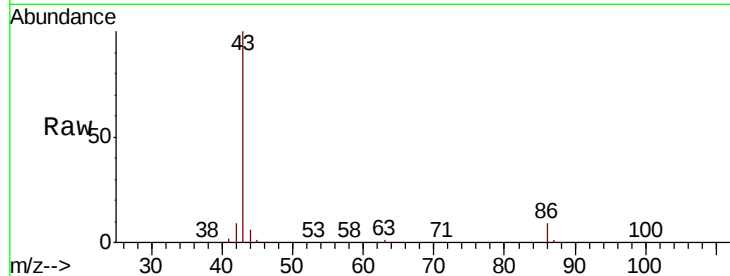
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1602477

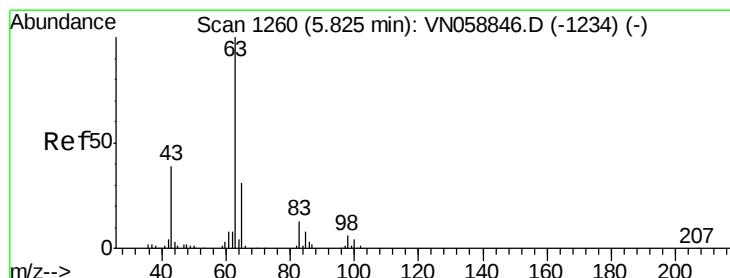
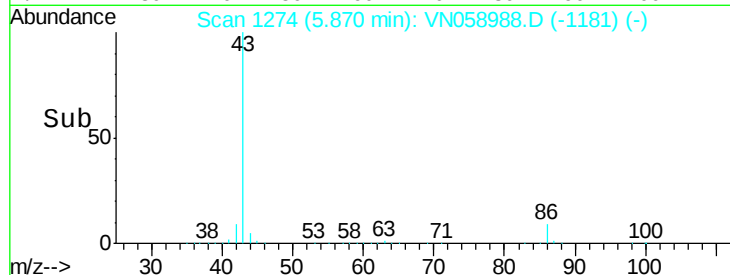
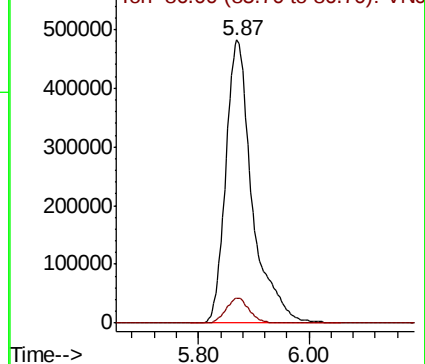
Ion Ratio Lower Upper

43 100

86 9.0 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 21.617 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

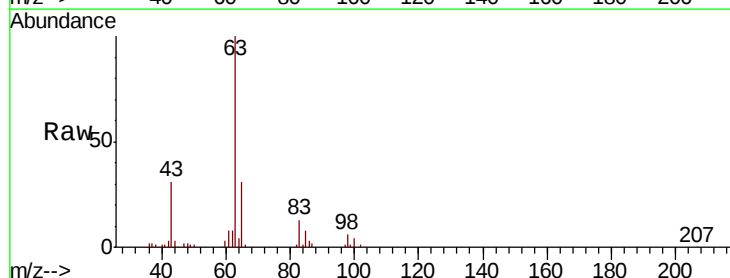
Tgt Ion: 63 Resp: 210658

Ion Ratio Lower Upper

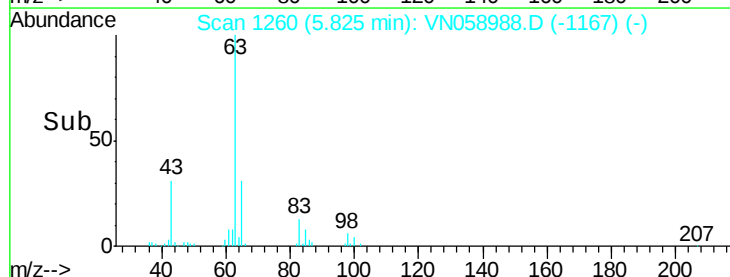
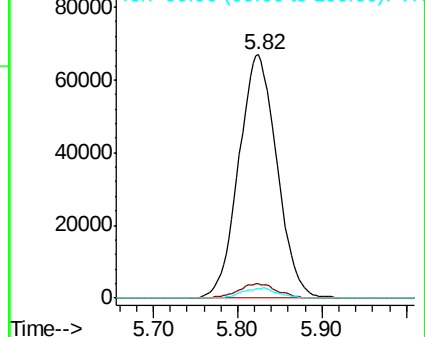
63 100

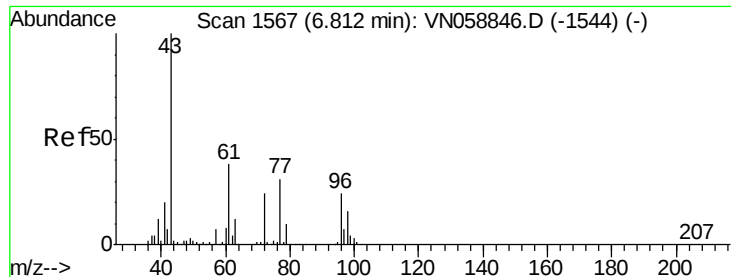
98 5.7 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 97.90 (97.60 to 98.60): VNO
Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 108.304 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

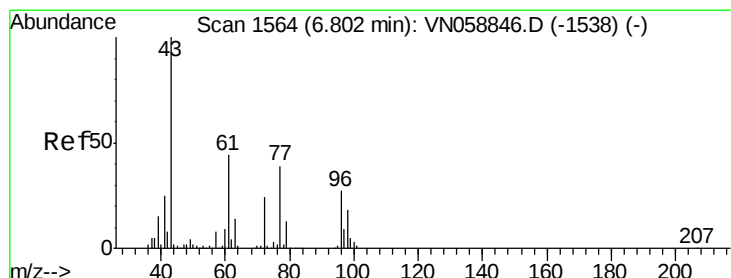
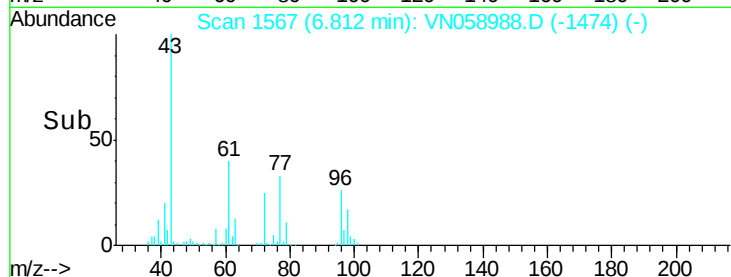
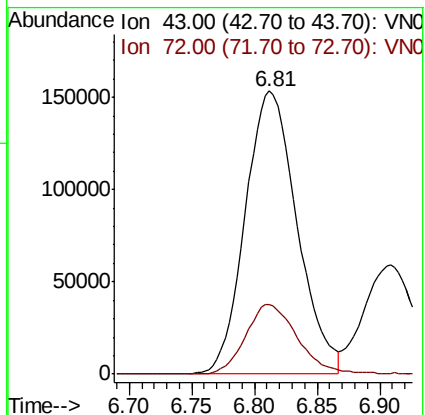
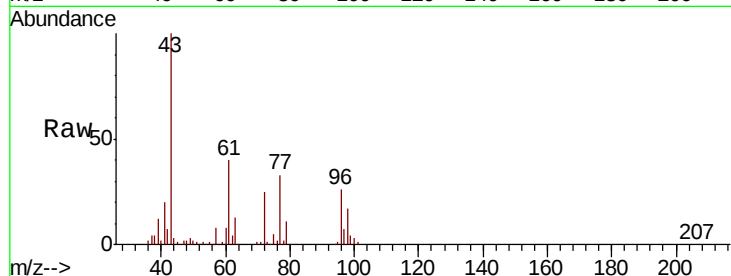
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 438876

Ion Ratio Lower Upper

43 100

72 24.7 19.1 28.7



#26

2,2-Dichloropropane

Concen: 21.828 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058988.D

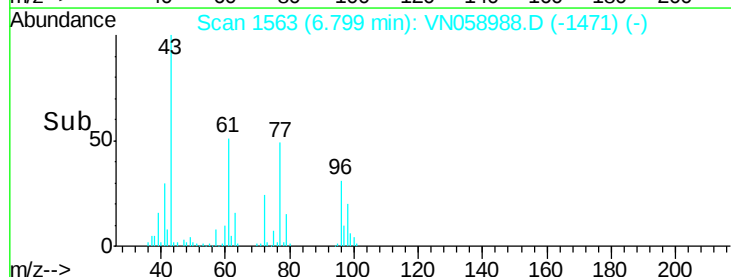
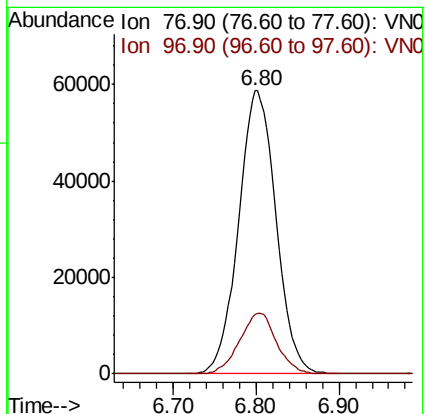
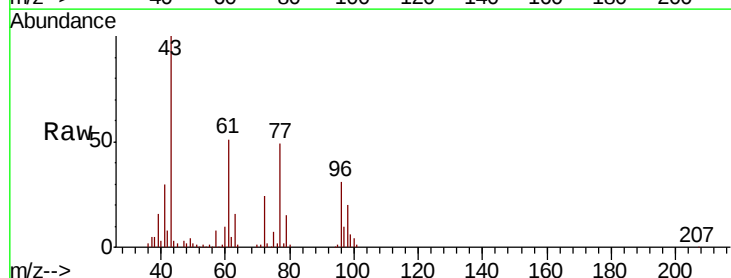
Acq: 28 Oct 2019 11:37

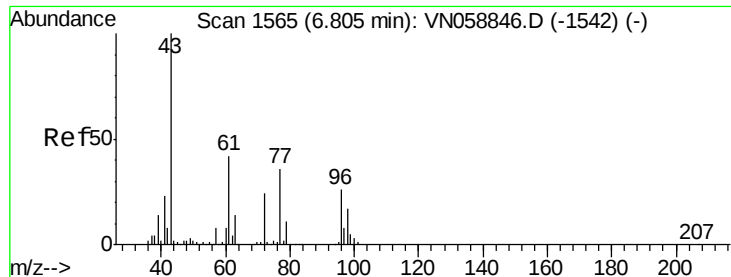
Tgt Ion: 77 Resp: 183991

Ion Ratio Lower Upper

77 100

97 21.2 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 22.025 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :

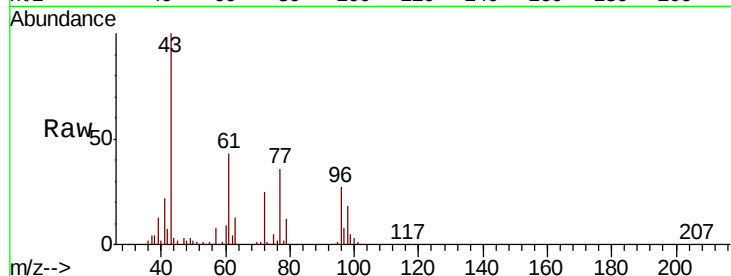
Tot Ion: 96 Resp: 117984

Ion Ratio Lower Upper

96 100

61 160.8 0.0 325.0

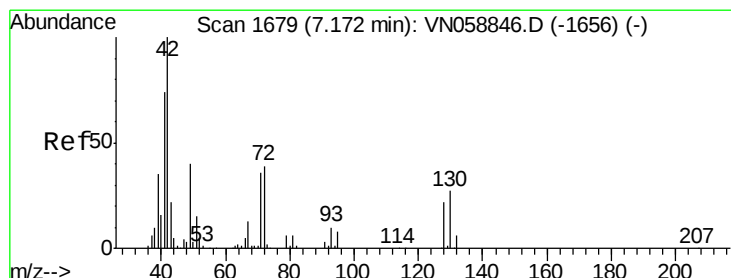
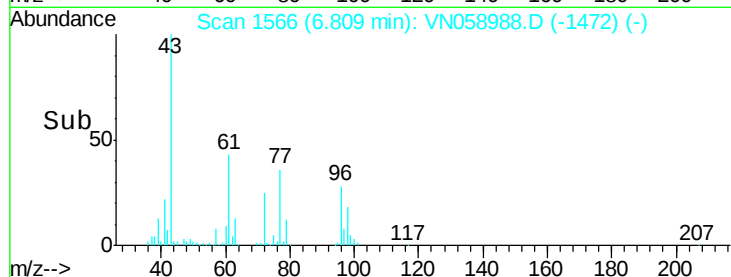
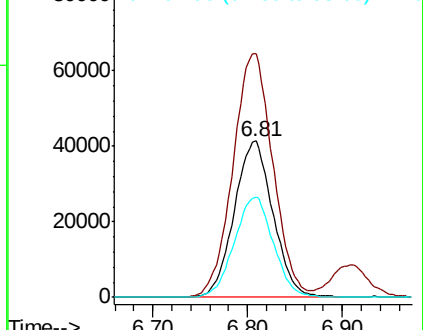
98 64.6 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058988.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058988.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058988.D (-1472) (-)



#28

Bromochloromethane

Concen: 21.770 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

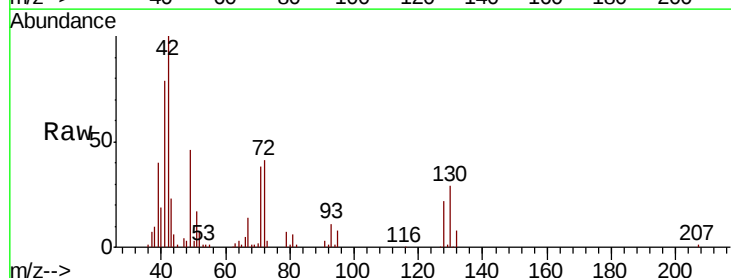
Tgt Ion: 49 Resp: 70653

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.2

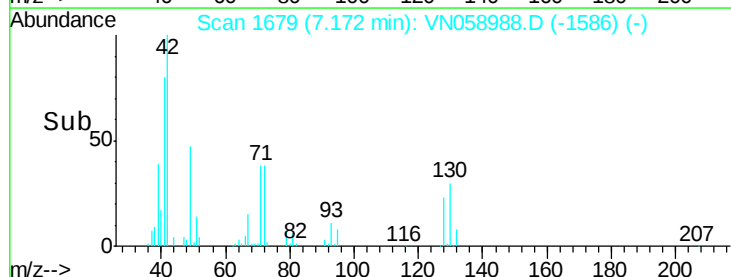
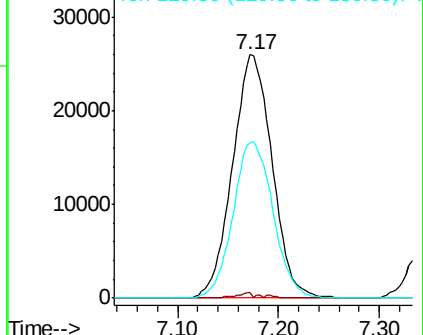
130 64.8 53.5 80.3

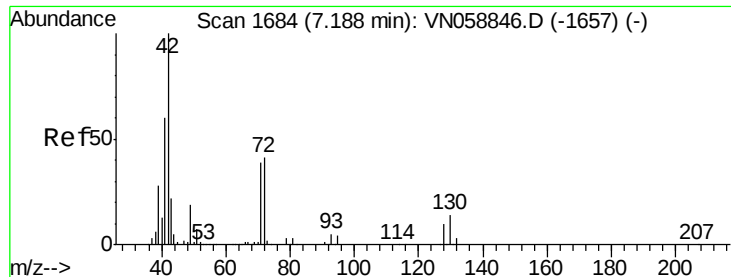


Abundance Ion 48.90 (48.60 to 49.60): VN058988.D (-1586) (-)

Ion 128.80 (128.50 to 129.50): VN058988.D (-1586) (-)

Ion 129.80 (129.50 to 130.50): VN058988.D (-1586) (-)

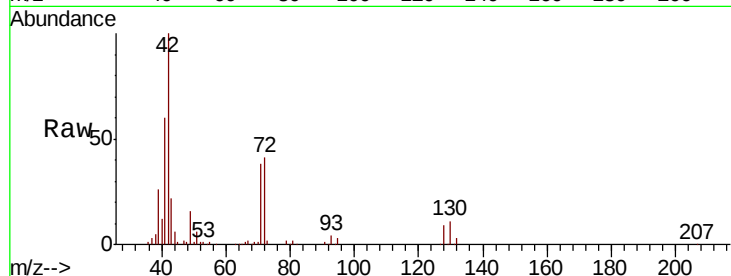




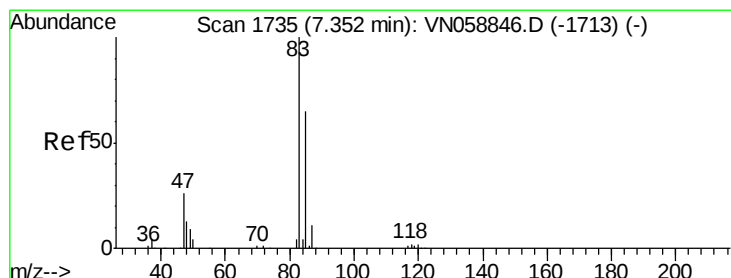
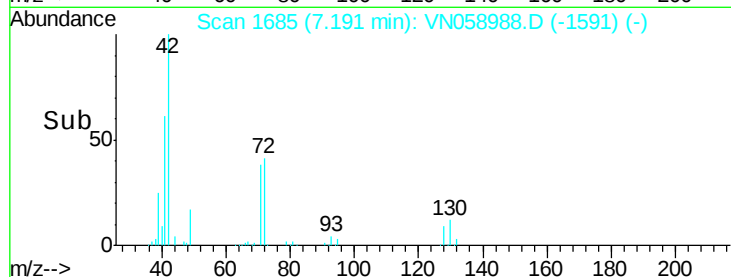
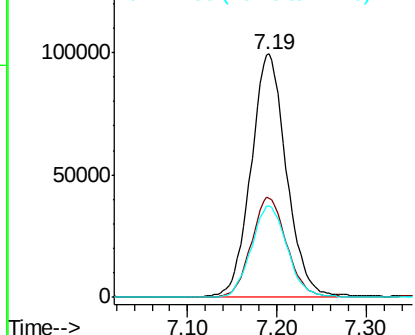
#29
Tetrahydrofuran
Concen: 110.475 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.2	48.2
71	38.3	30.6	45.8

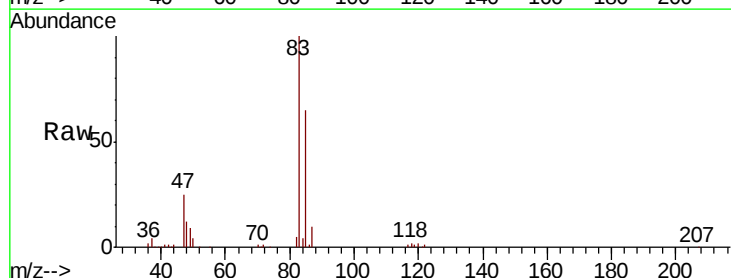


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

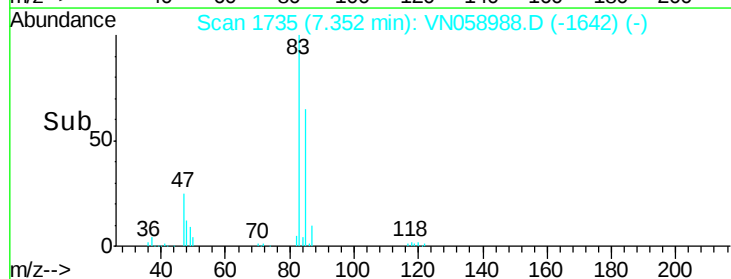
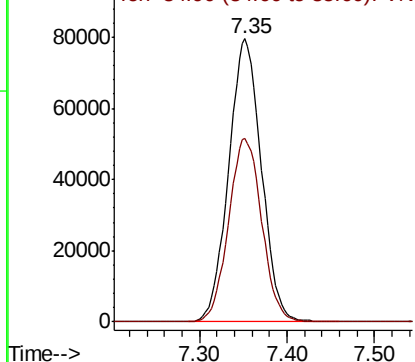


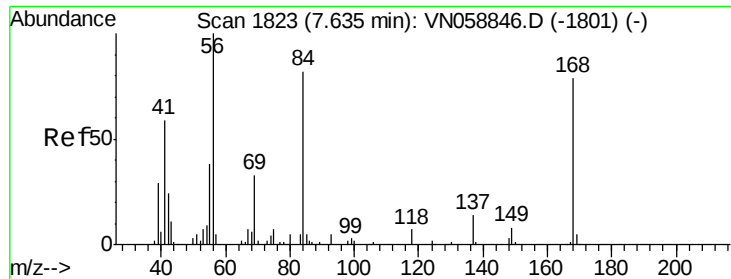
#30
Chloroform
Concen: 21.114 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

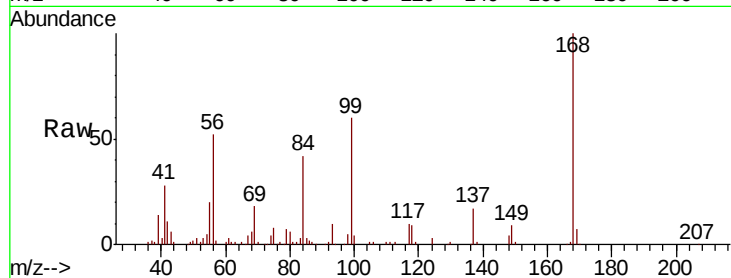




#31
Cyclohexane
Concen: 20.215 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.2	39.4
84	79.7	65.6	98.4

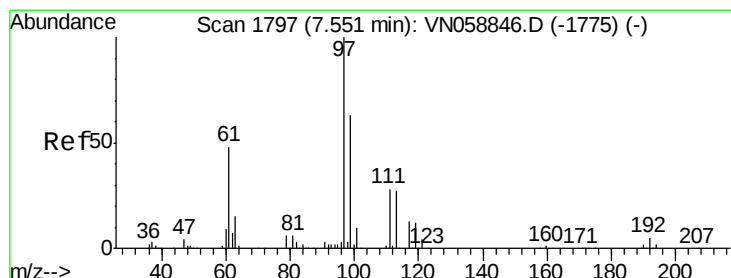
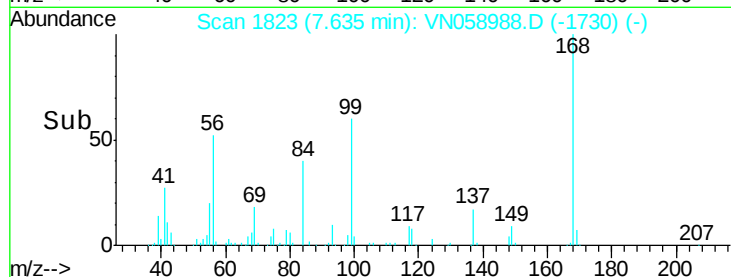
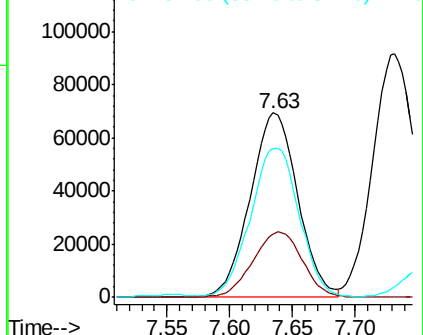


Abundance

Ion 56.00 (55.70 to 56.70): VN0

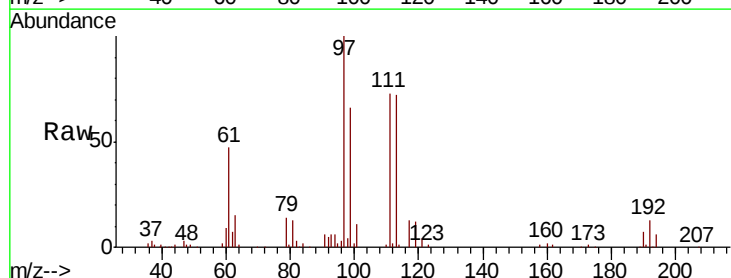
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 21.336 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	47.6	38.6	58.0

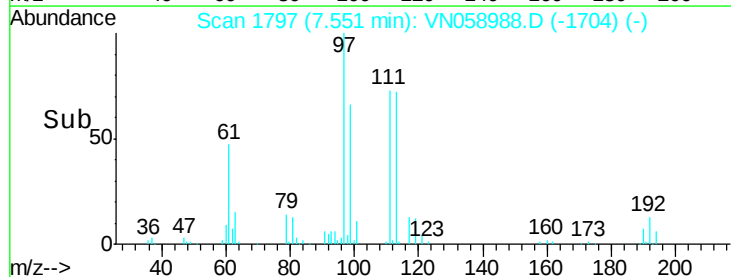
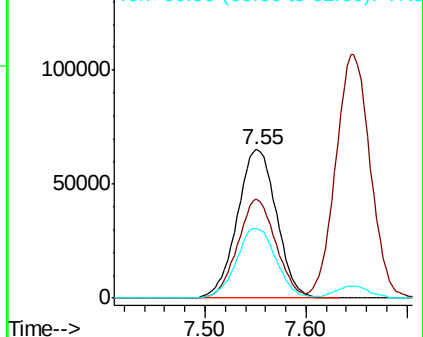


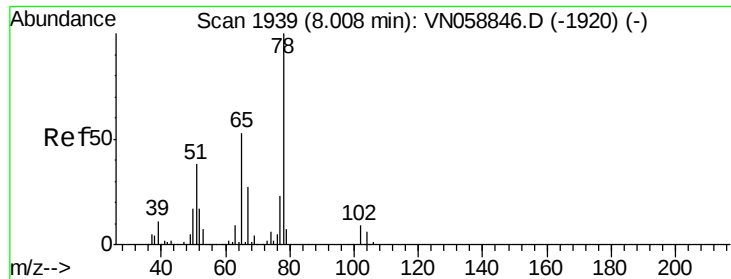
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

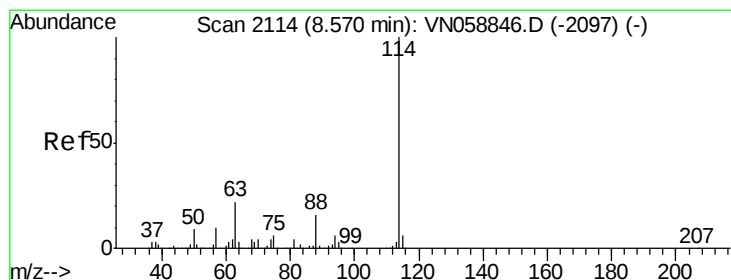
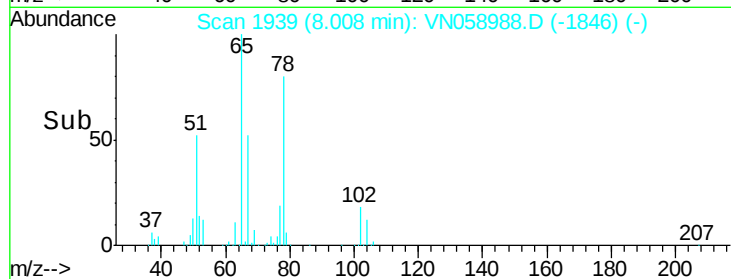
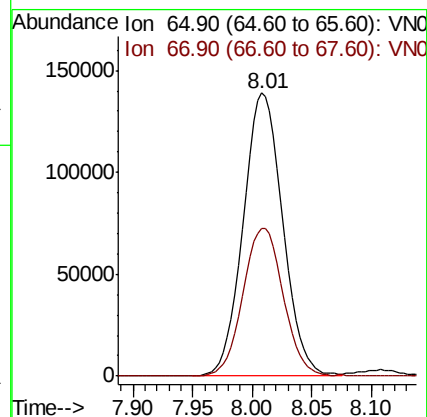
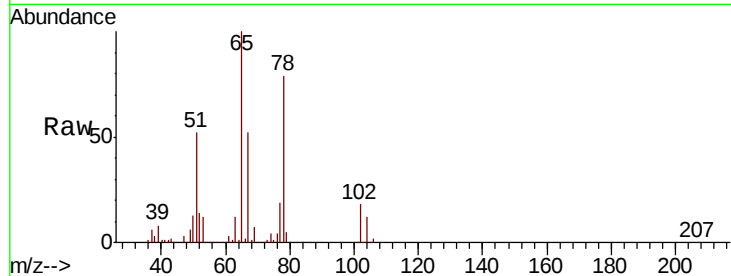




#33
 1,2-Dichloroethane-d4
 Concen: 50.691 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

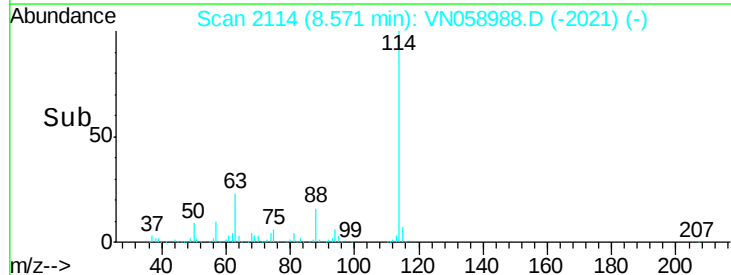
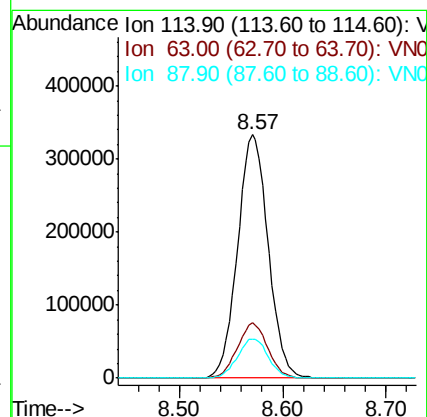
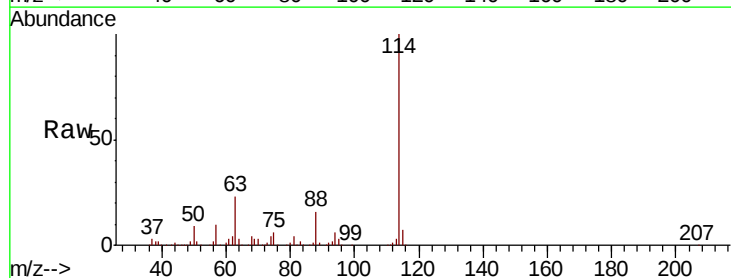
Instrument :
 MSVOA_N
 ClientSampleId :

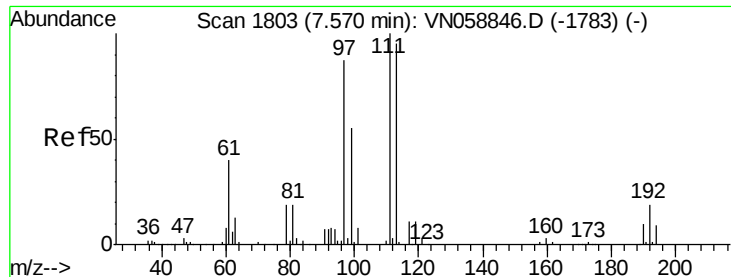
Tot Ion: 65 Resp: 320233
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion: 114 Resp: 688829
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.1 0.0 31.4

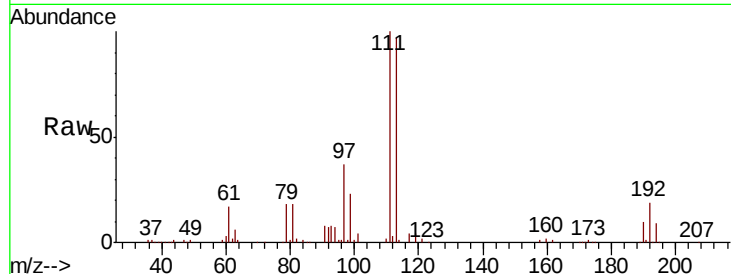




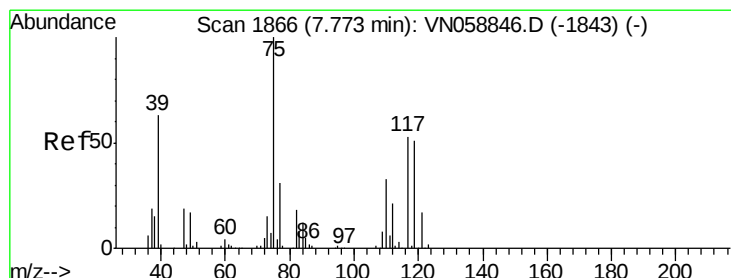
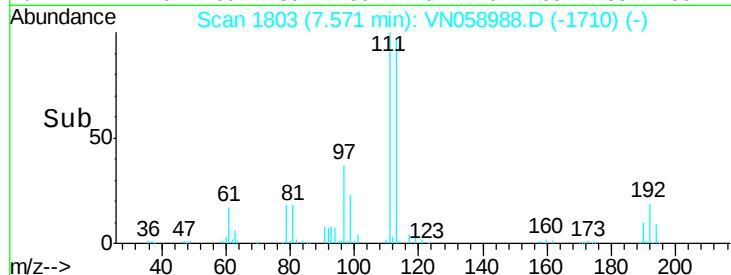
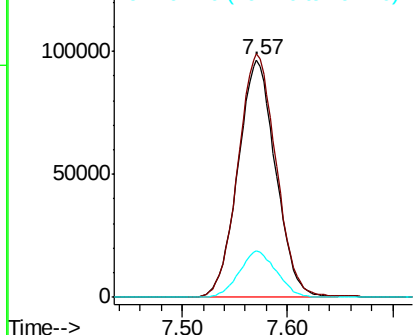
#35
Dibromofluoromethane
Concen: 52.795 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 239103
Ion Ratio Lower Upper
113 100
111 103.7 82.0 123.0
192 19.3 15.0 22.6

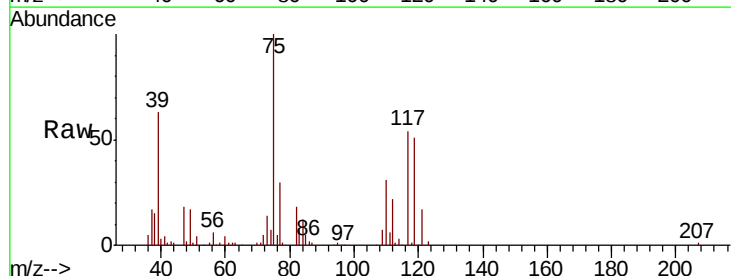


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

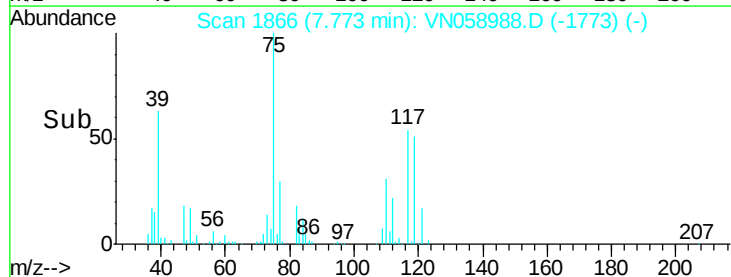
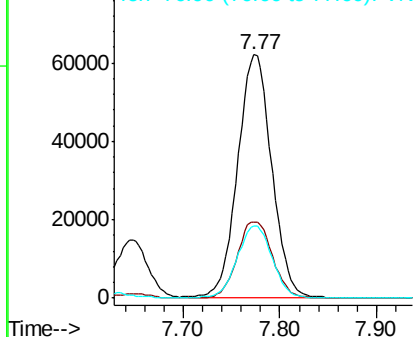


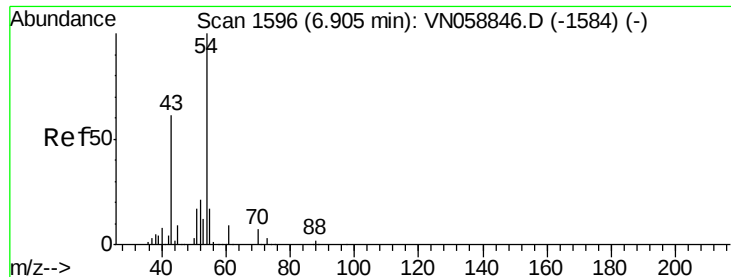
#36
1,1-Dichloropropene
Concen: 21.601 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 75 Resp: 152336
Ion Ratio Lower Upper
75 100
110 32.2 16.3 48.9
77 30.6 24.6 36.8



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

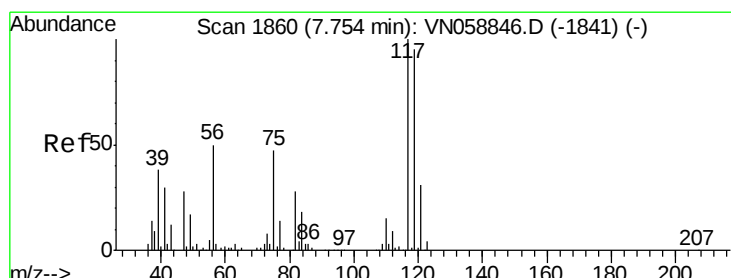
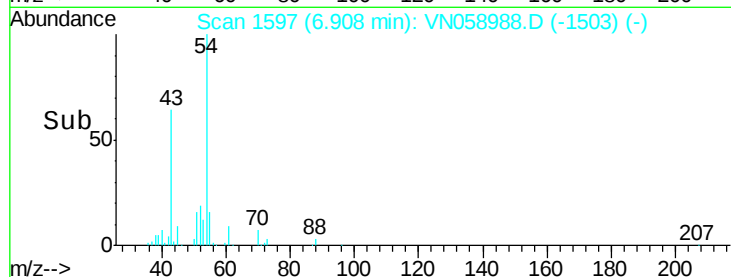
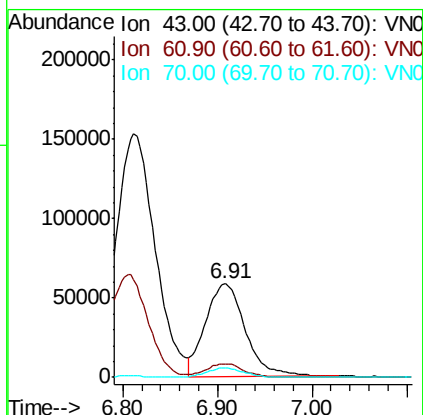
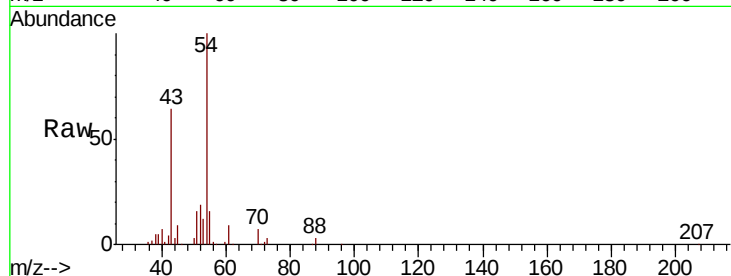




#37
Ethyl Acetate
Concen: 22.302 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

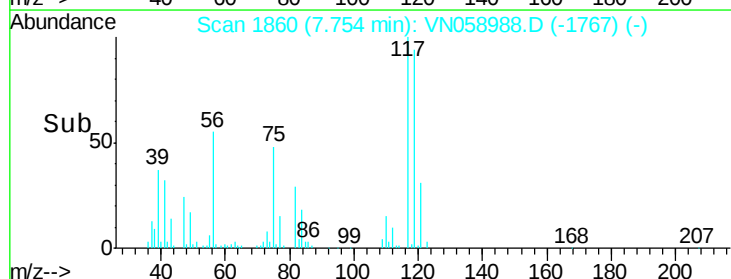
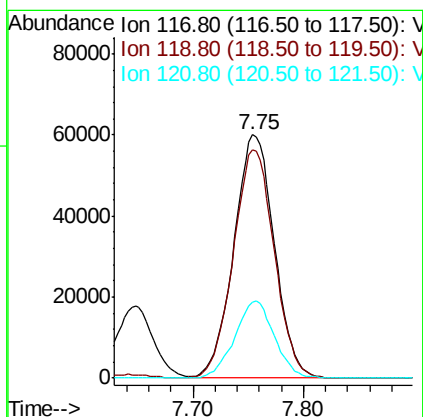
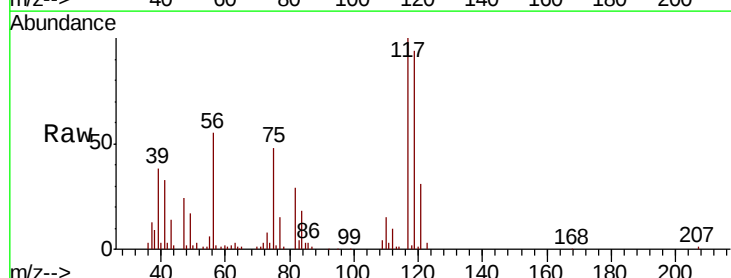
Instrument :
MSVOA_N
ClientSampleId :

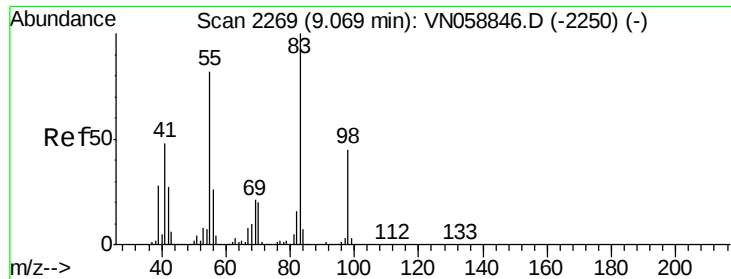
Tot Ion: 43 Resp: 171374
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.052 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 117 Resp: 152946
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 31.2 25.0 37.6

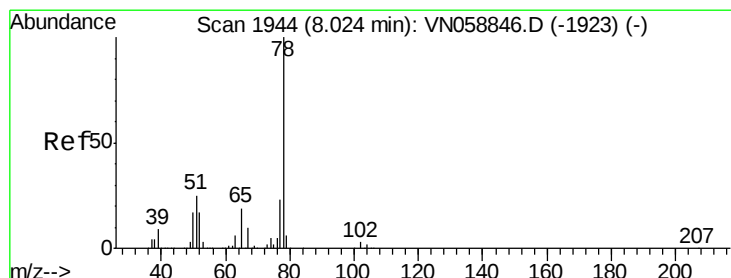
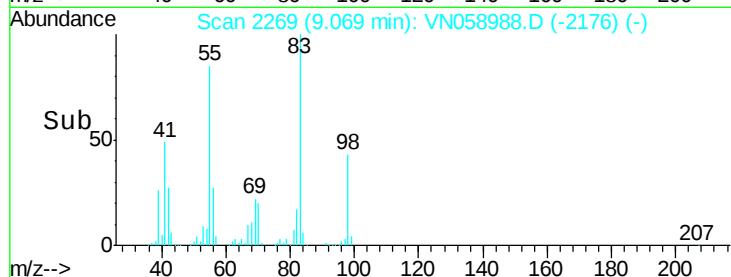
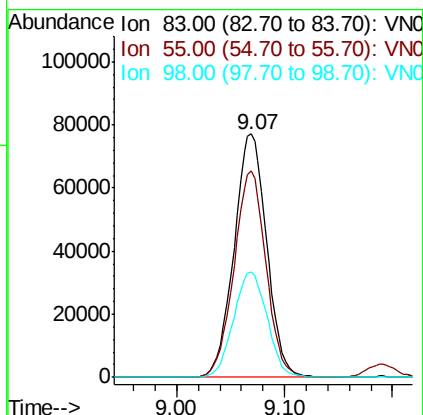
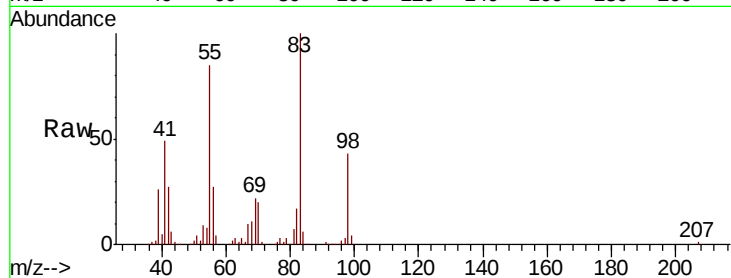




#39
Methvlcvclohexane
Concen: 20.486 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

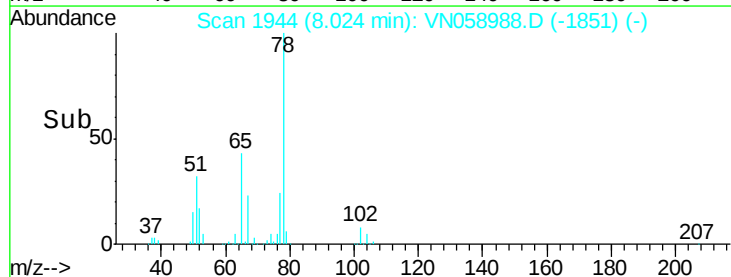
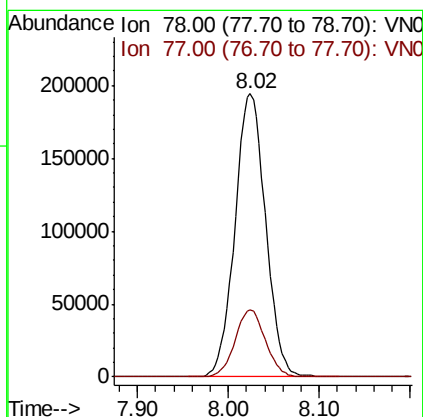
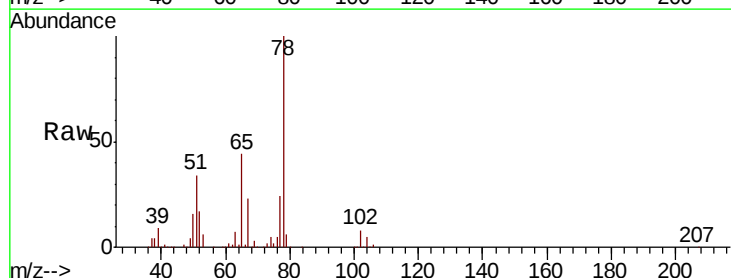
Instrument :
MSVOA_N
ClientSampled :

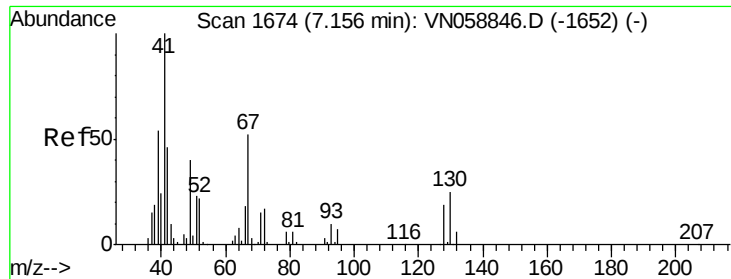
Tot Ion: 83 Resp: 162217
Ion Ratio Lower Upper
83 100
55 84.6 65.5 98.3
98 43.3 35.7 53.5



#40
Benzene
Concen: 21.992 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 78 Resp: 455413
Ion Ratio Lower Upper
78 100
77 23.8 18.2 27.2

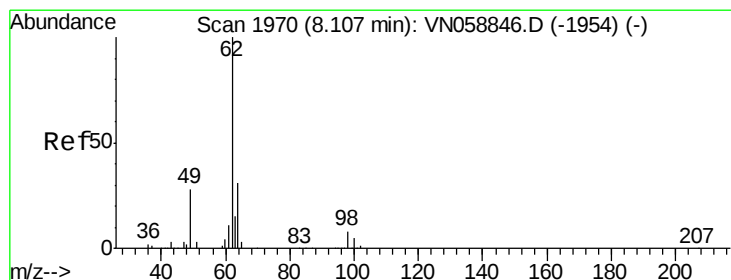
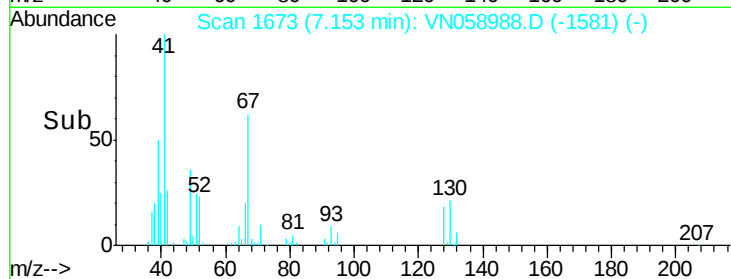
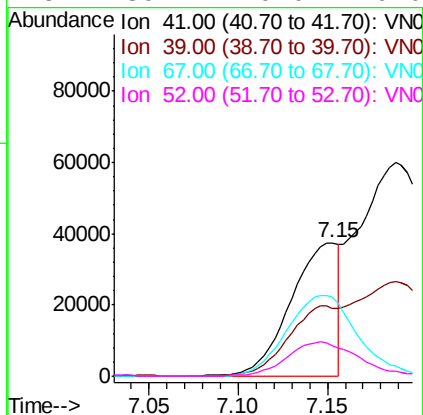
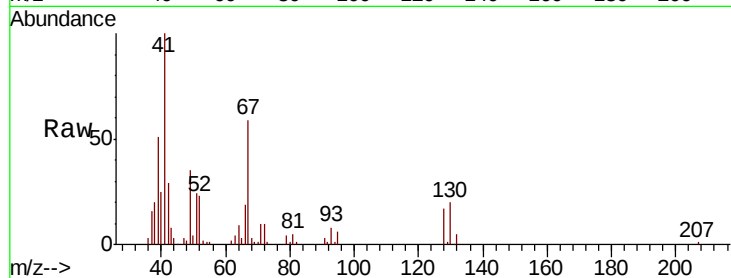




#41
Methacrylonitrile
Concen: 20.273 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

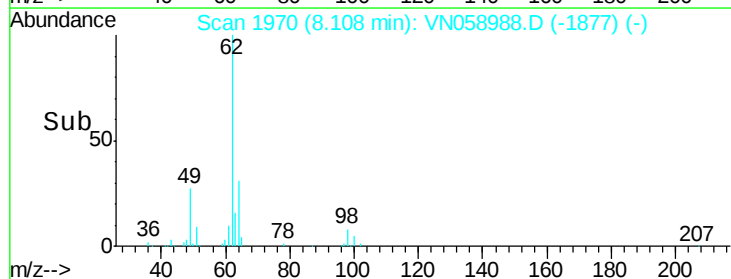
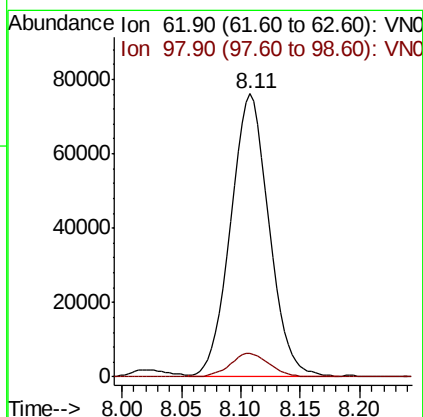
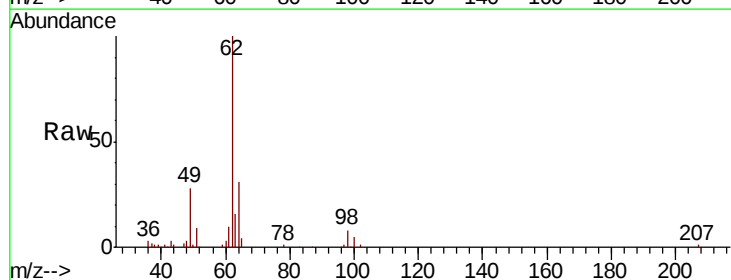
Instrument :
MSVOA_N
ClientSampled :

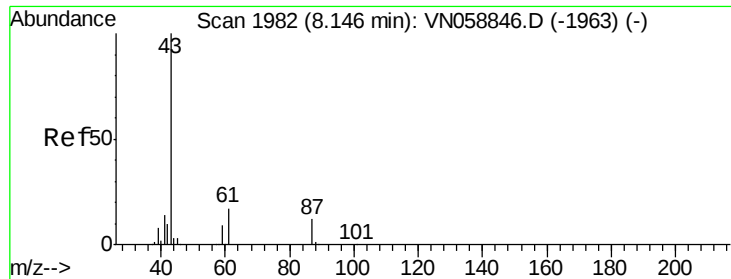
Tot Ion:	41	Resp:	69383
Ion	Ratio	Lower	Upper
41	100		
39	54.6	0.0	0.0#
67	90.7	0.0	0.0#
52	39.4	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 21.215 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion:	62	Resp:	169236
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.2

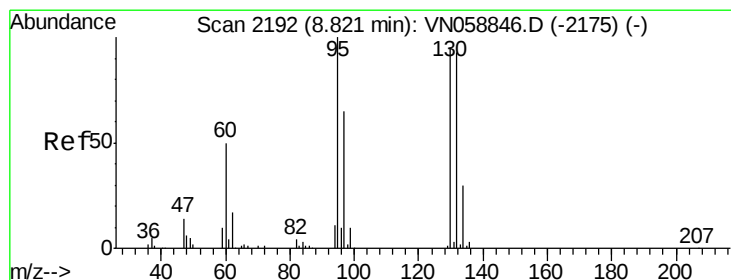
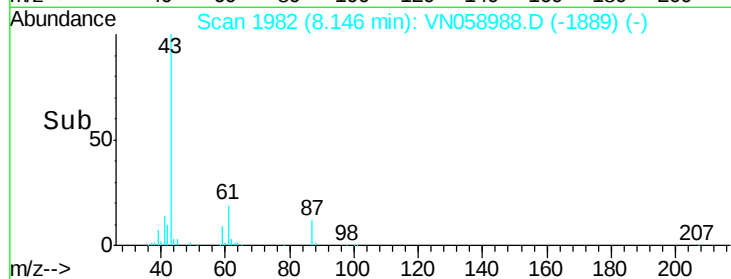
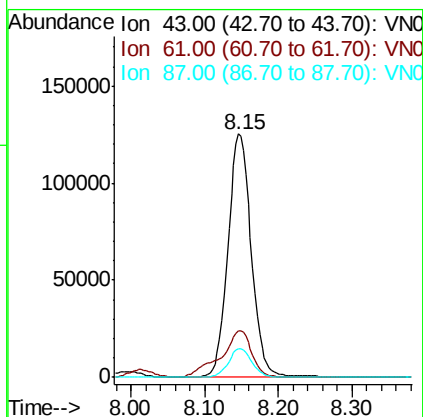
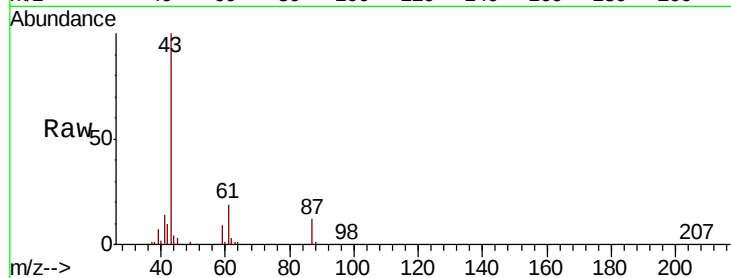




#43
Isopropyl Acetate
Concen: 22.145 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

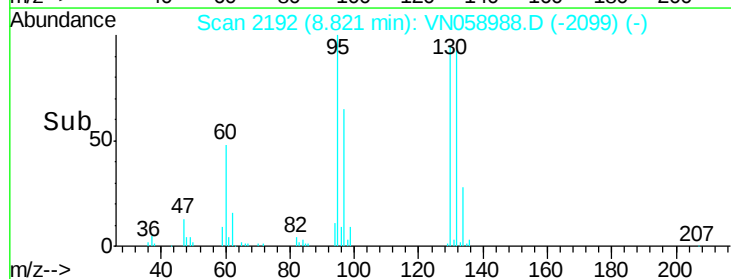
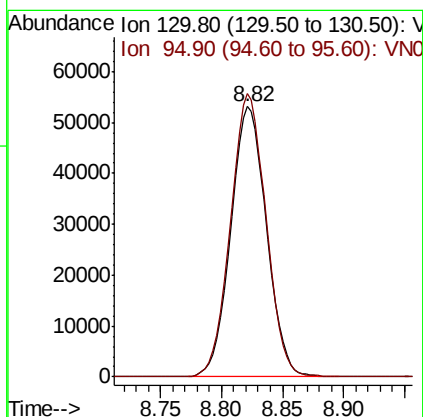
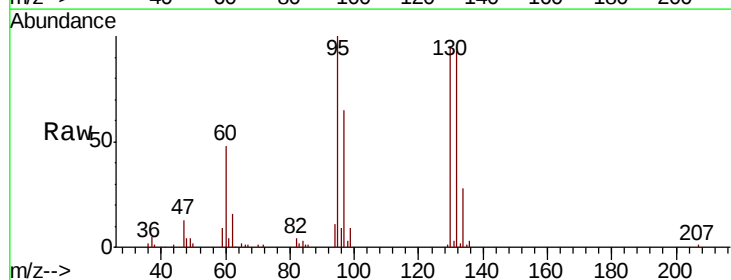
Instrument :
MSVOA_N
ClientSampleId :

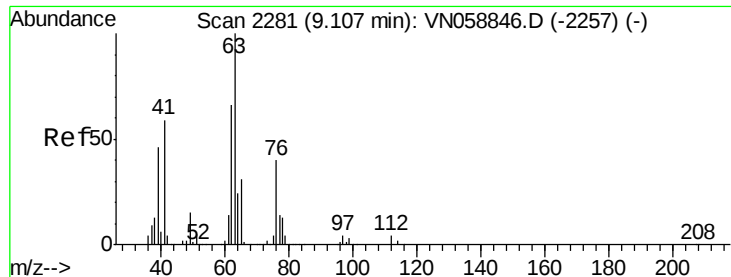
Tot Ion: 43 Resp: 272907
Ion Ratio Lower Upper
43 100
61 25.8 20.2 30.2
87 11.9 9.5 14.3



#44
Trichloroethene
Concen: 21.418 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 130 Resp: 108046
Ion Ratio Lower Upper
130 100
95 104.8 0.0 209.6





#45

1,2-Dichloropropane

Concen: 22.602 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

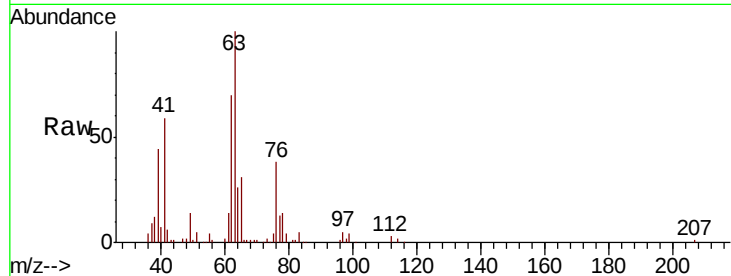
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 128347

Ion Ratio Lower Upper

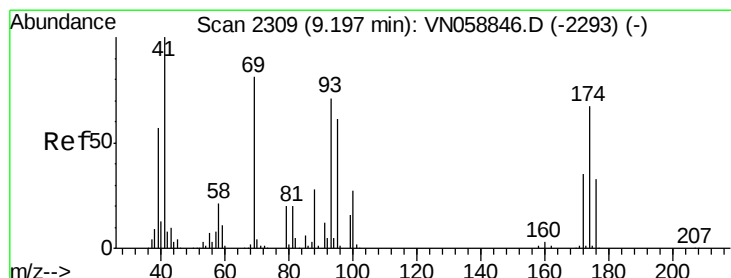
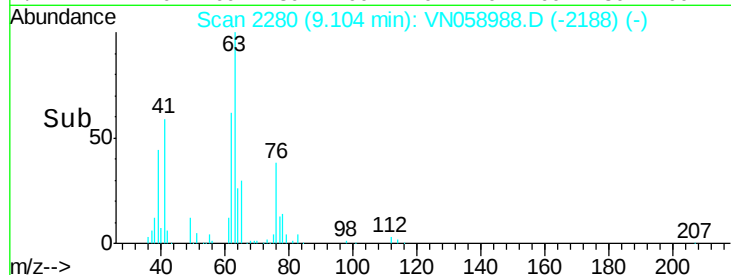
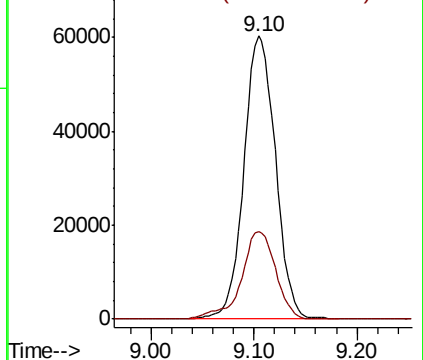
63 100

65 30.9 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.732 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

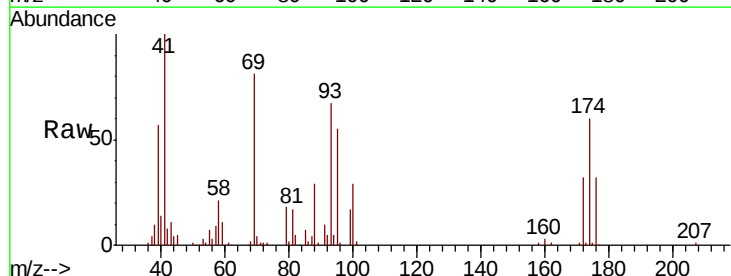
Tgt Ion: 93 Resp: 78016

Ion Ratio Lower Upper

93 100

95 82.5 67.6 101.4

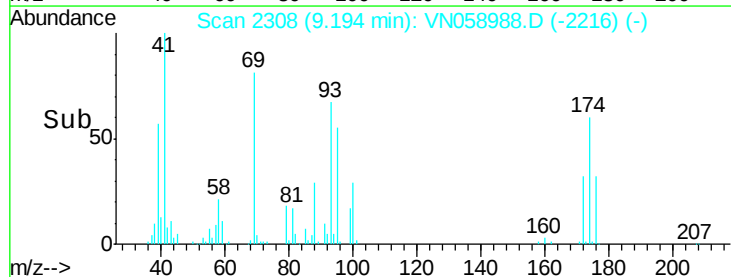
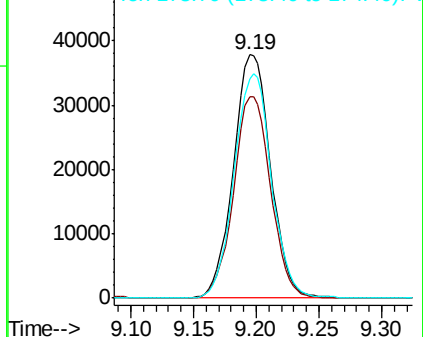
174 92.6 74.1 111.1

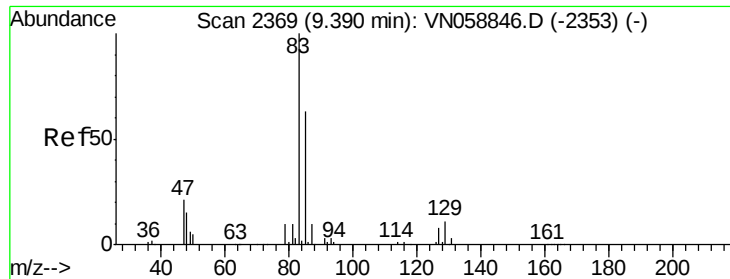


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.599 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

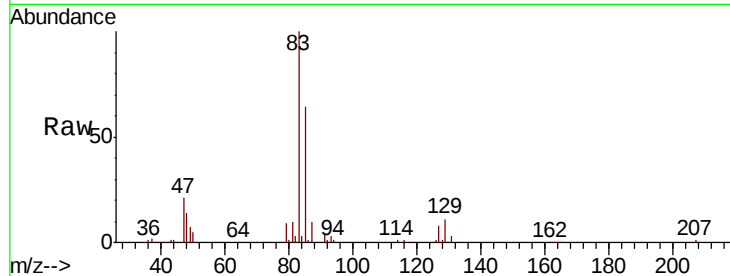
Tot Ion: 83 Resp: 159809

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

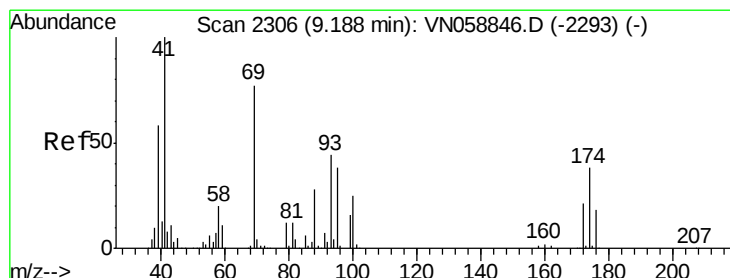
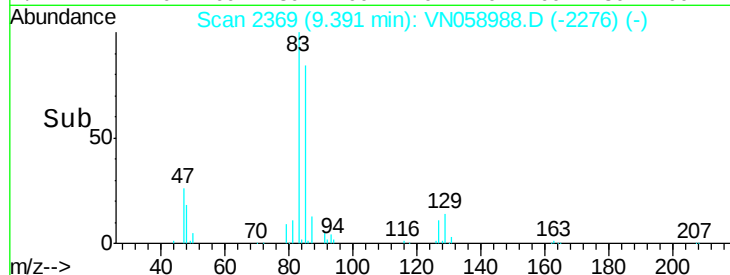
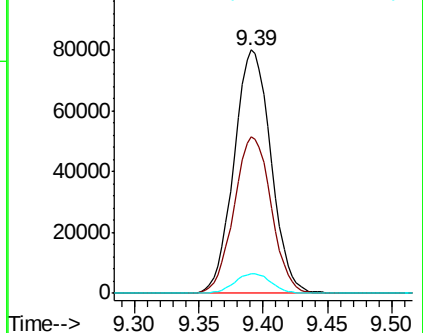
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058988.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN058988.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN058988.D (-2276) (-)



#48

Methyl methacrylate

Concen: 21.372 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

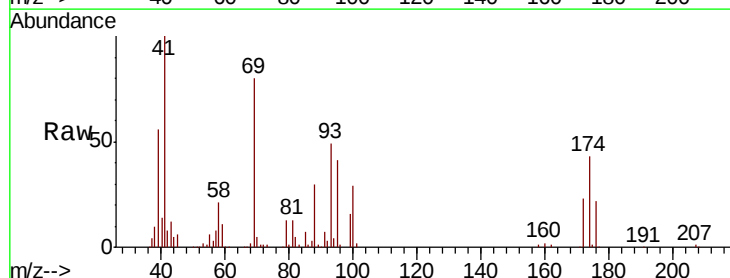
Tgt Ion: 41 Resp: 119498

Ion Ratio Lower Upper

41 100

69 82.9 63.8 95.6

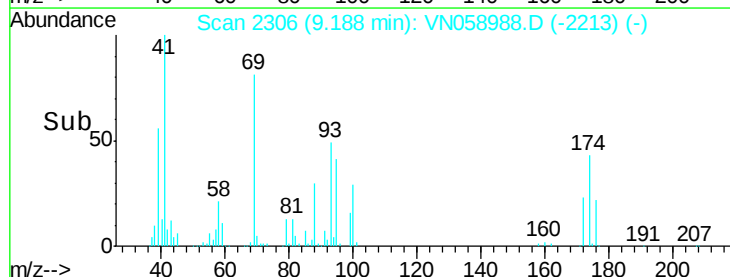
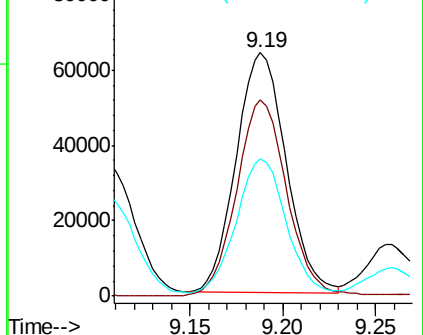
39 57.9 47.8 71.8

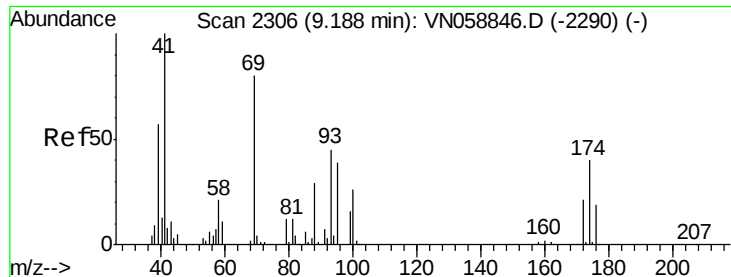


Abundance Ion 41.00 (40.70 to 41.70): VN058988.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058988.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058988.D (-2213) (-)

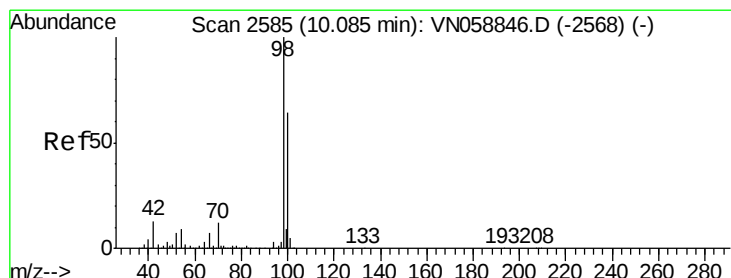
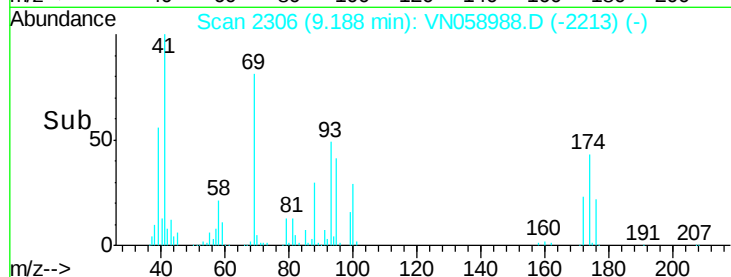
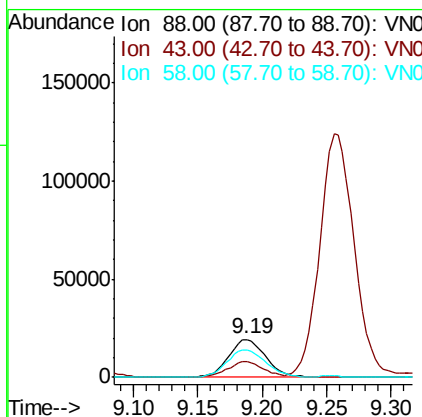
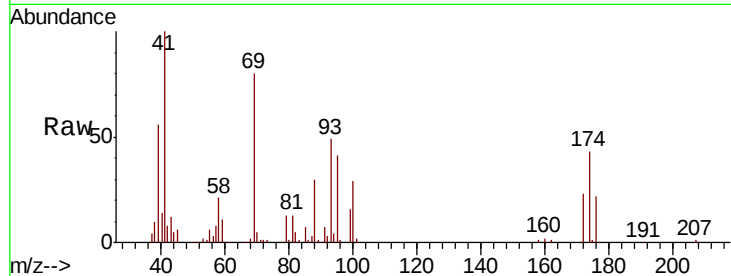




#49
 1,4-Dioxane
 Concen: 422.758 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

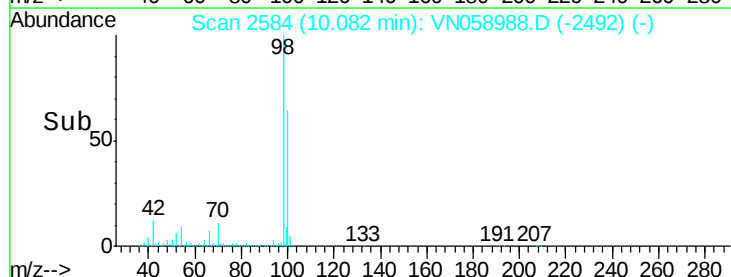
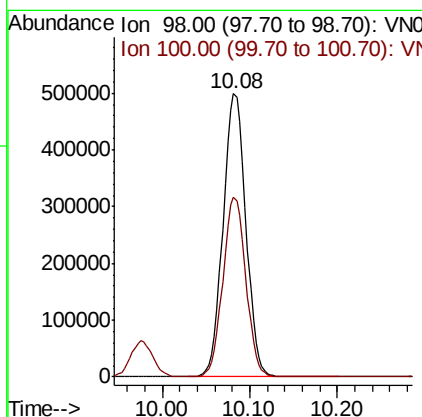
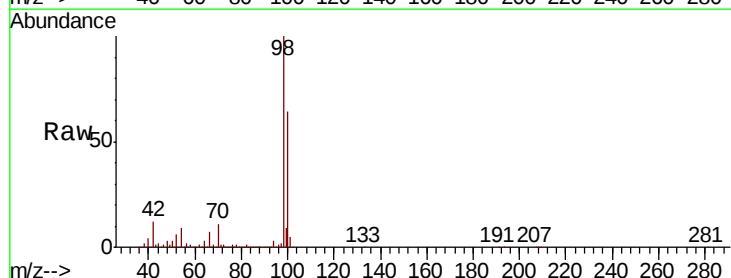
Instrument :
 MSVOA_N
 ClientSampleId :

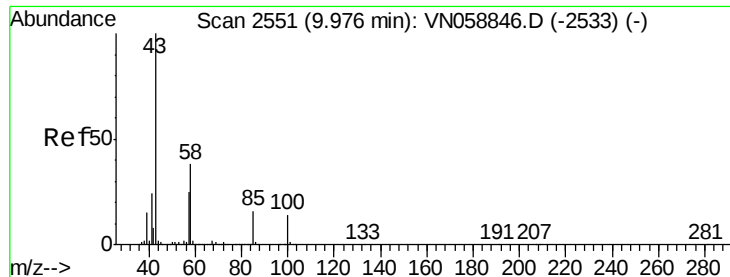
Tot Ion: 88 Resp: 38803
 Ion Ratio Lower Upper
 88 100
 43 40.3 29.1 43.7
 58 76.2 59.4 89.0



#50
 Toluene-d8
 Concen: 51.449 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion: 98 Resp: 904495
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 119.862 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

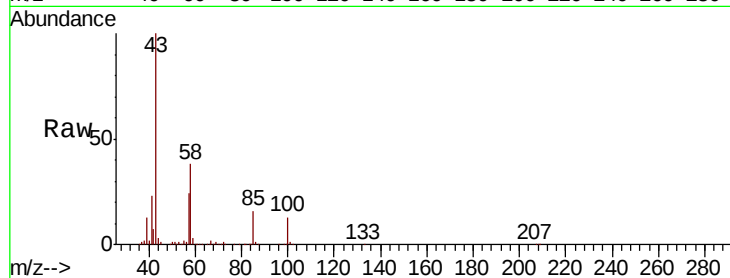
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 862793

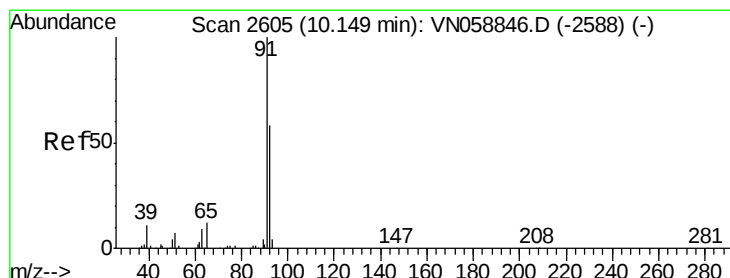
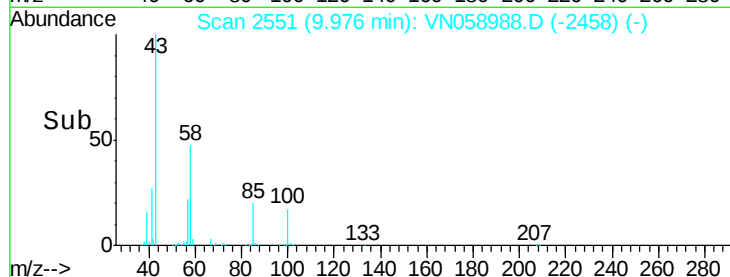
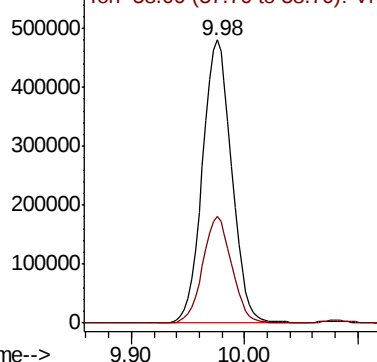
Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9



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



#52

Toluene

Concen: 22.396 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058988.D

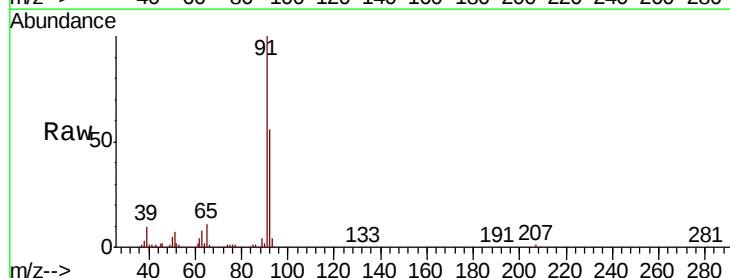
Acq: 28 Oct 2019 11:37

Tgt Ion: 92 Resp: 275036

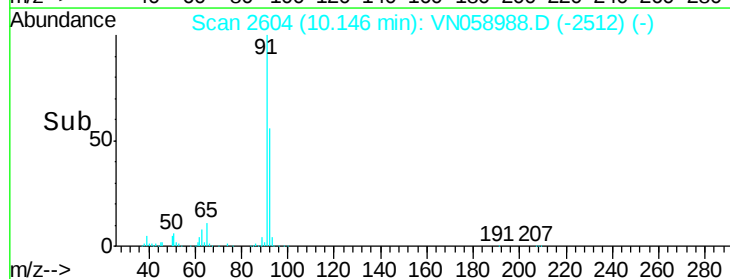
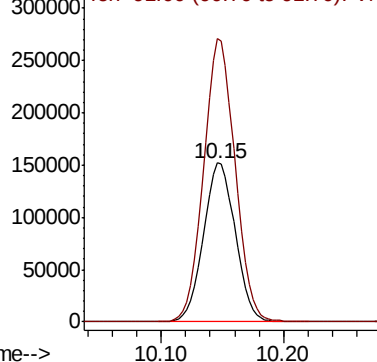
Ion Ratio Lower Upper

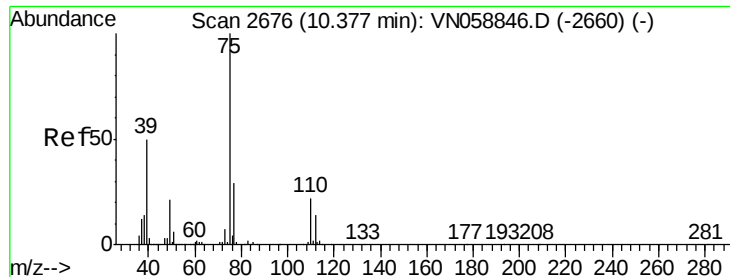
92 100

91 175.7 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 21.599 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

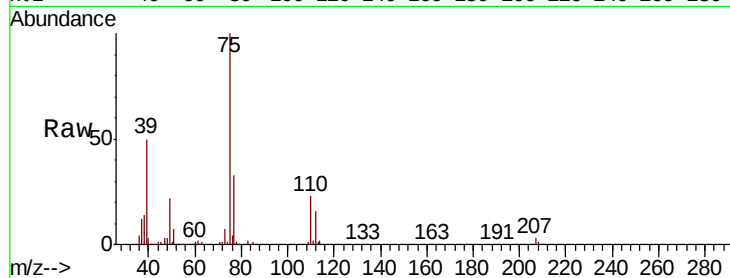
ClientSampled :

Tot Ion: 75 Resp: 176916

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

10.38

100000

80000

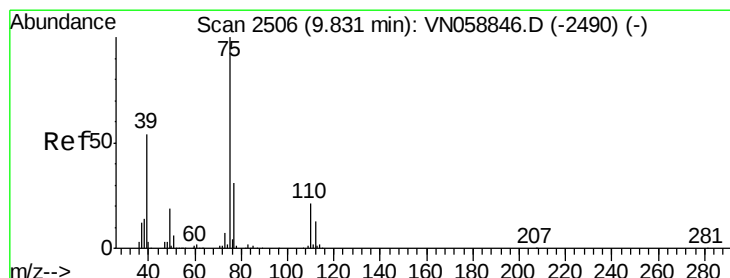
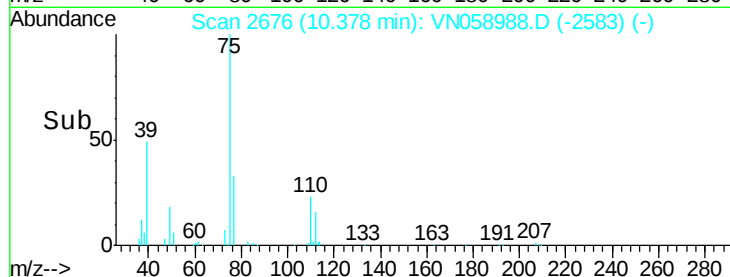
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.185 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

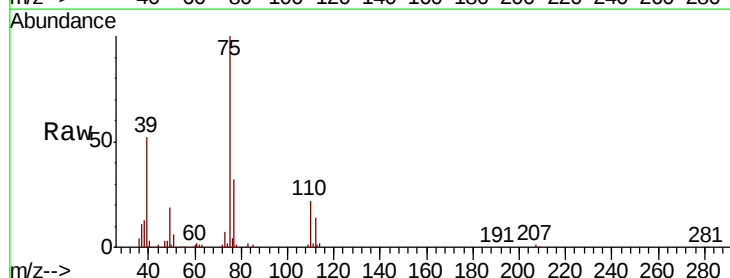
Tgt Ion: 75 Resp: 194133

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 52.1 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

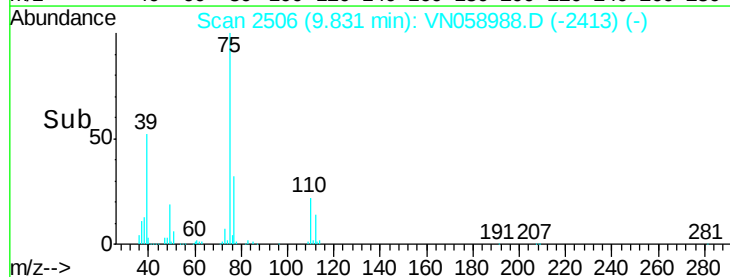
9.83

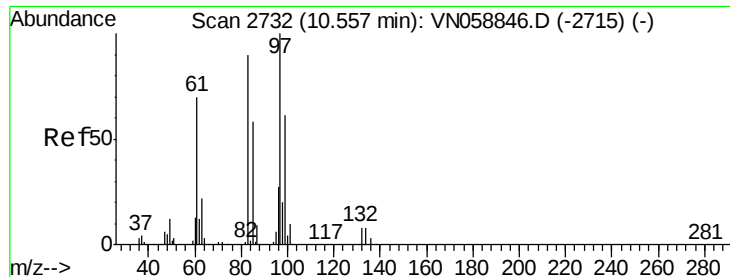
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 22.244 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 112534

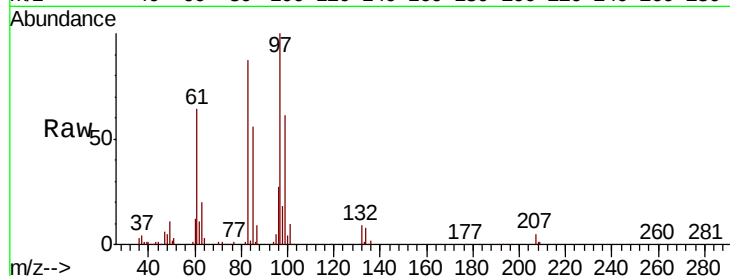
Ion Ratio Lower Upper

97 100

83 86.8 72.2 108.4

85 56.1 46.2 69.2

99 61.2 48.7 73.1

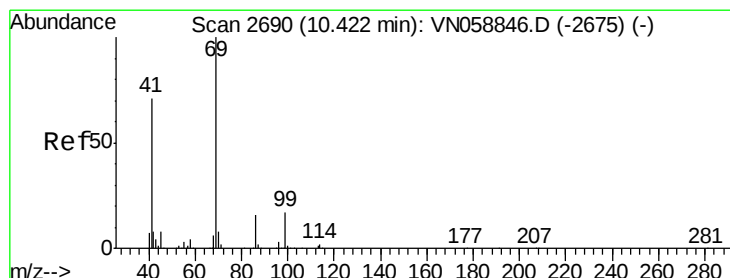
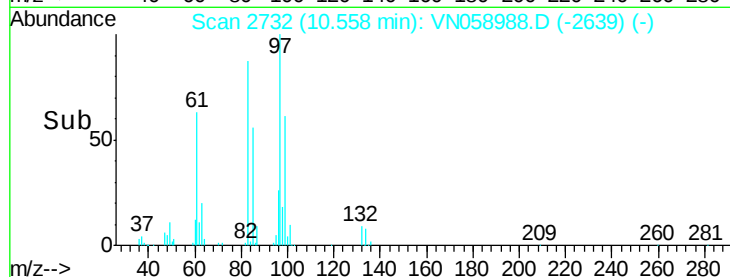
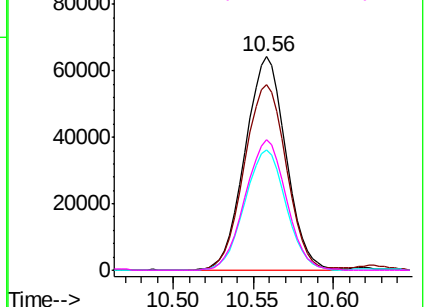


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.754 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

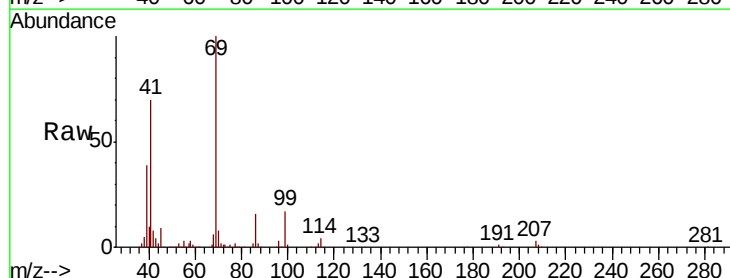
Tgt Ion: 69 Resp: 165481

Ion Ratio Lower Upper

69 100

41 69.6 57.2 85.8

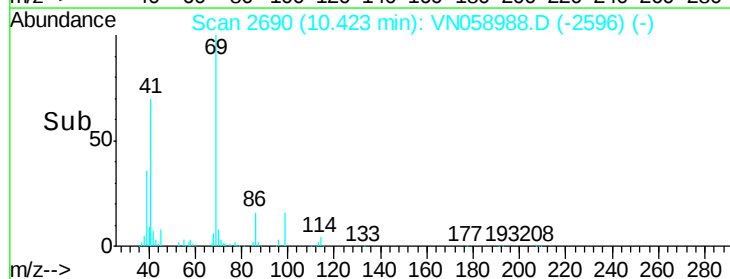
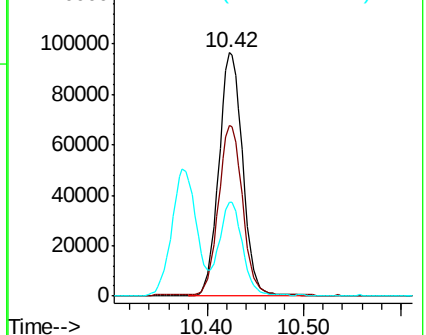
39 37.1 31.0 46.4

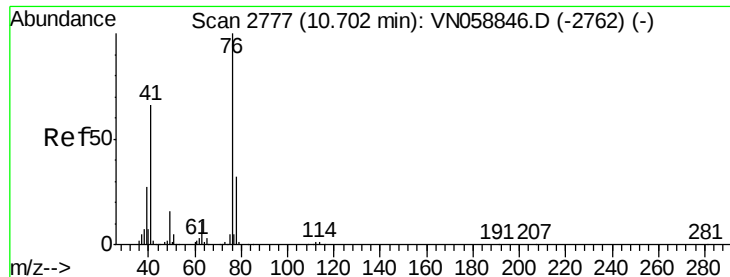


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.790 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

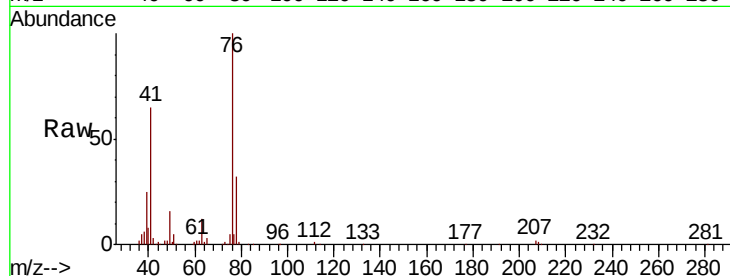
ClientSampleId :

Tot Ion: 76 Resp: 193473

Ion Ratio Lower Upper

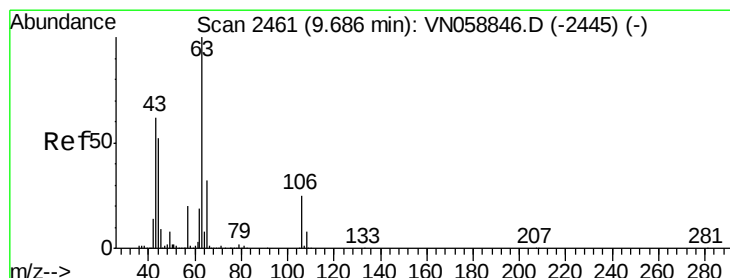
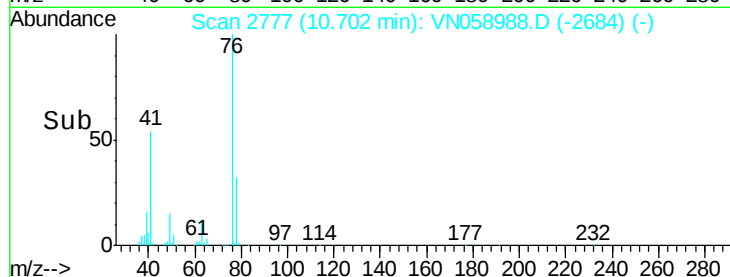
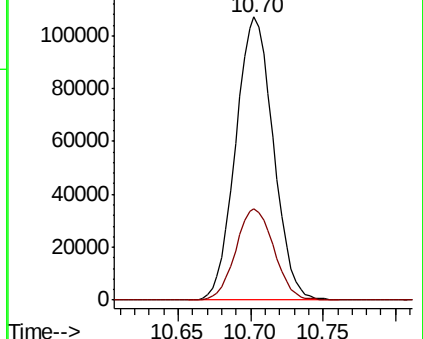
76 100

78 32.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.090 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058988.D

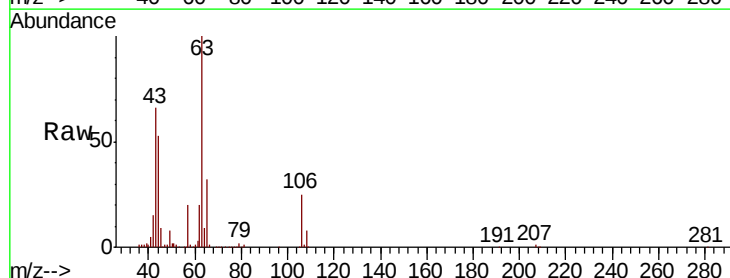
Acq: 28 Oct 2019 11:37

Tgt Ion: 63 Resp: 361387

Ion Ratio Lower Upper

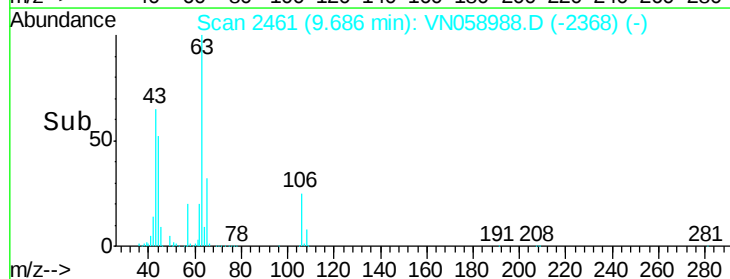
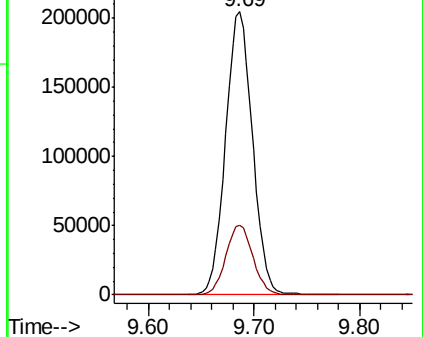
63 100

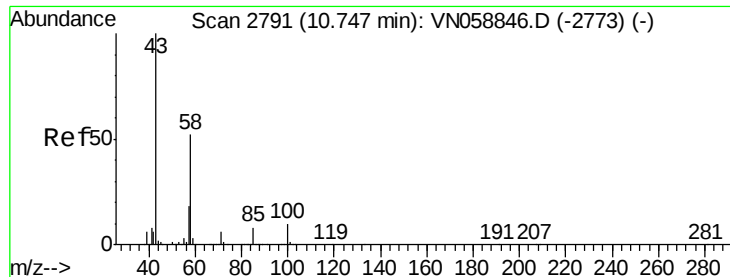
106 24.7 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

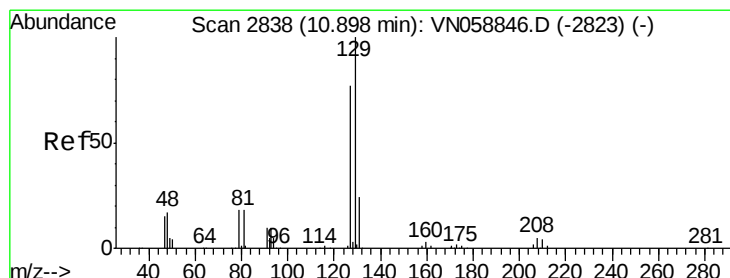
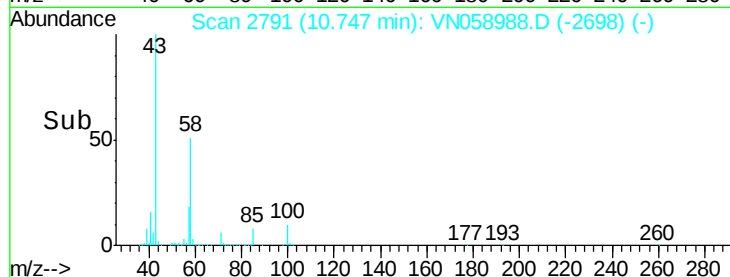
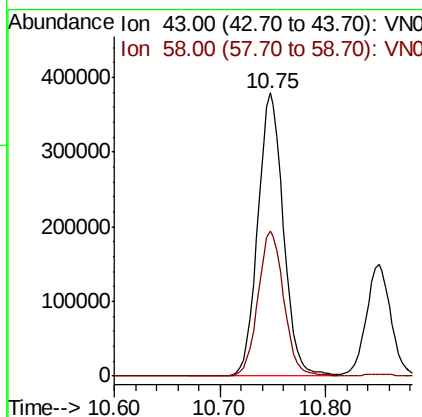
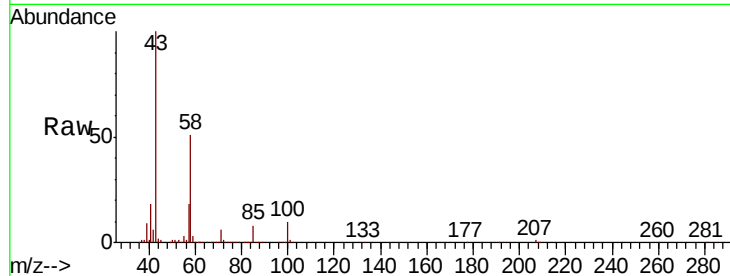




#59
 2-Hexanone
 Concen: 115.437 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

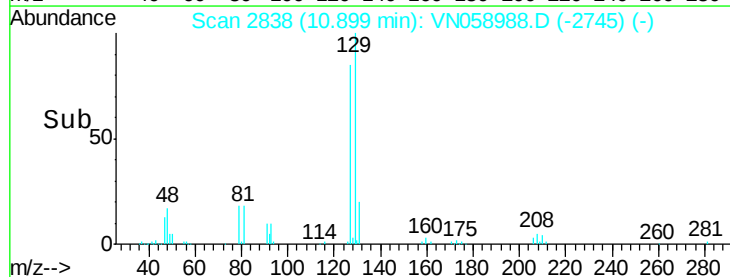
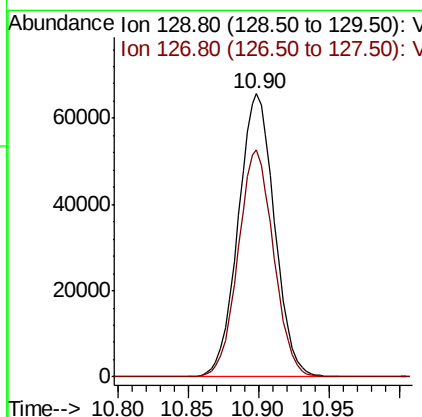
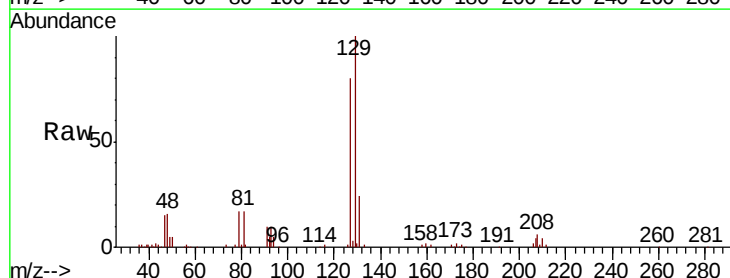
Instrument :
 MSVOA_N
 ClientSampled :

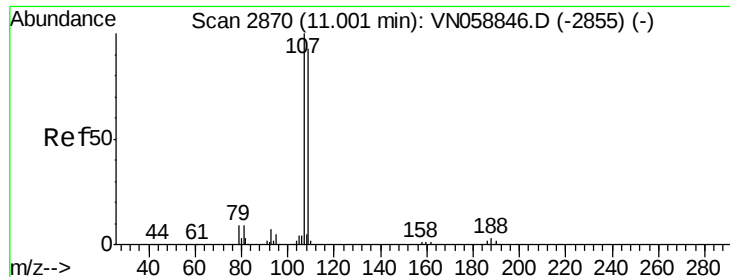
Tot Ion: 43 Resp: 642097
 Ion Ratio Lower Upper
 43 100
 58 51.6 25.9 77.7



#60
 Dibromochloromethane
 Concen: 21.782 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion: 129 Resp: 118608
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.3

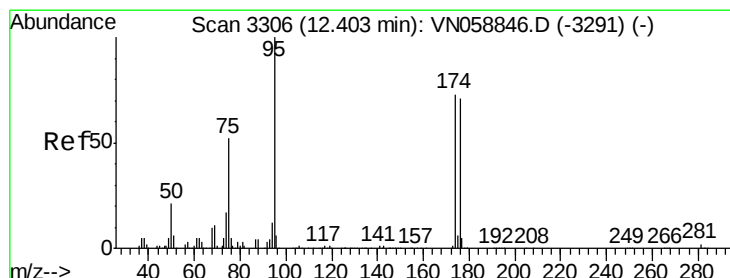
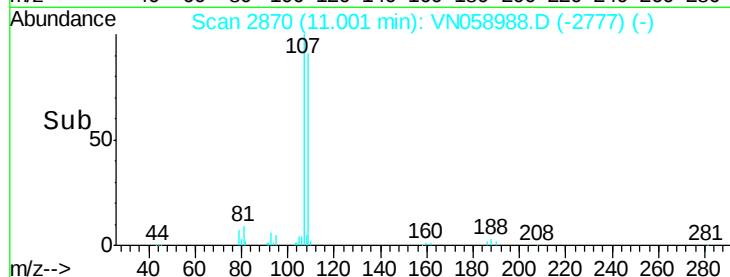
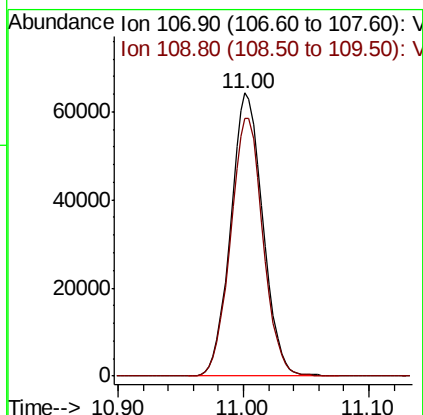
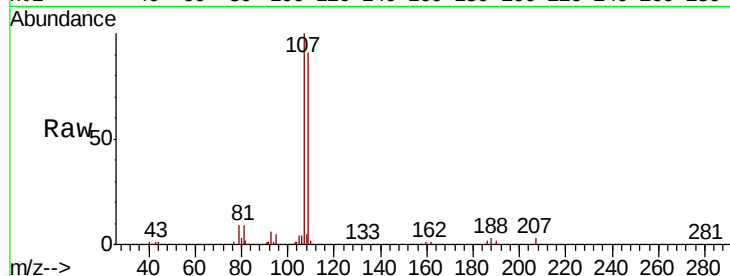




#61
 1,2-Dibromoethane
 Concen: 22.141 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

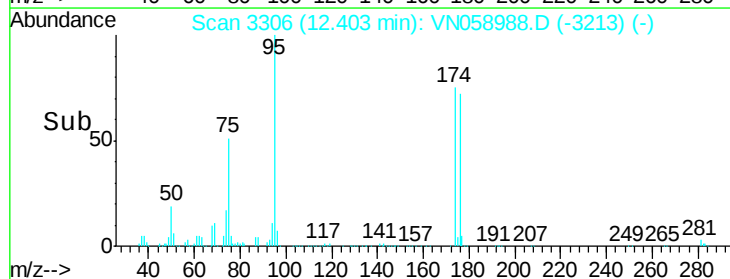
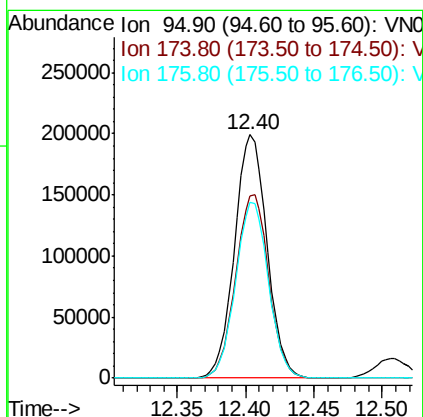
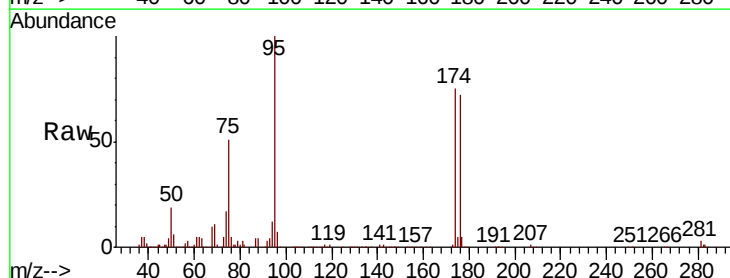
Instrument :
 MSVOA_N
 ClientSampleId :

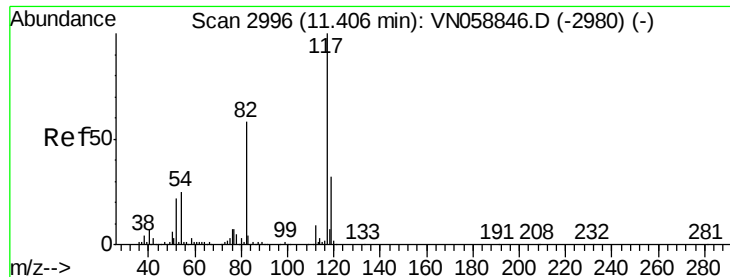
Tot Ion: 107 Resp: 114629
 Ion Ratio Lower Upper
 107 100
 109 91.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.974 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion: 95 Resp: 329088
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 147.6
 176 73.2 0.0 143.2

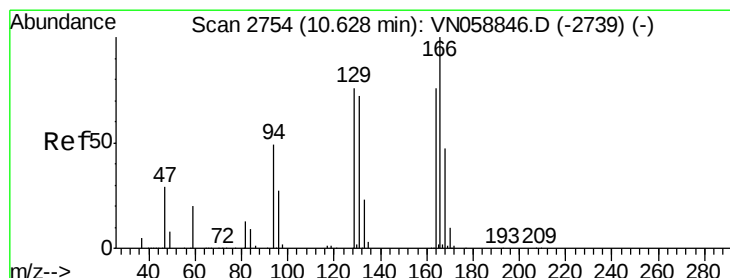
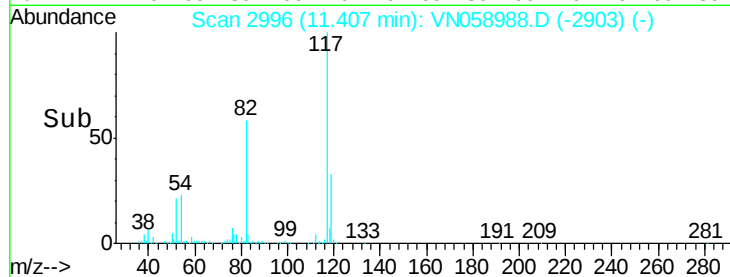
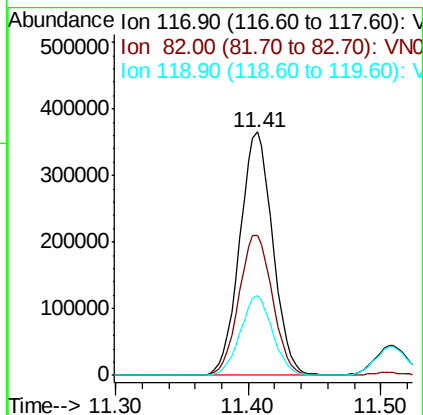
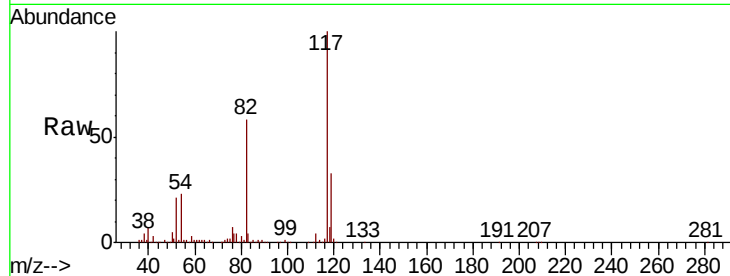




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

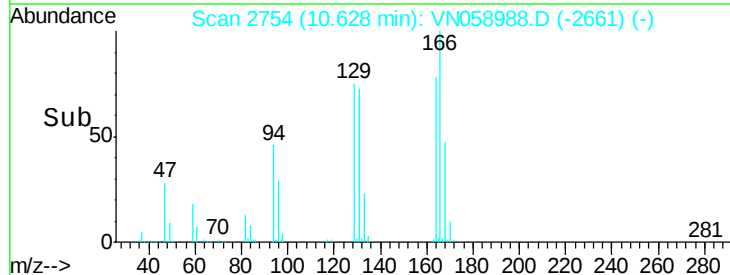
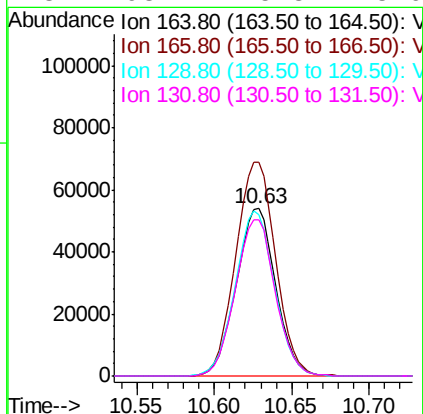
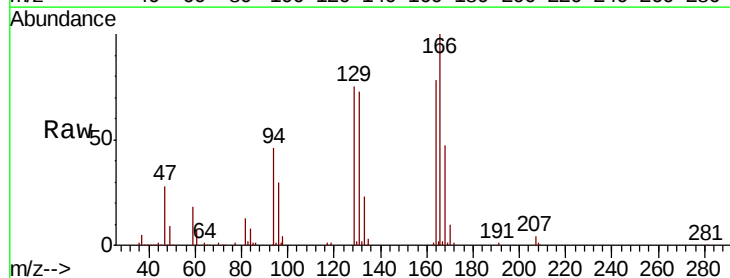
Instrument :
MSVOA_N
ClientSampleId :

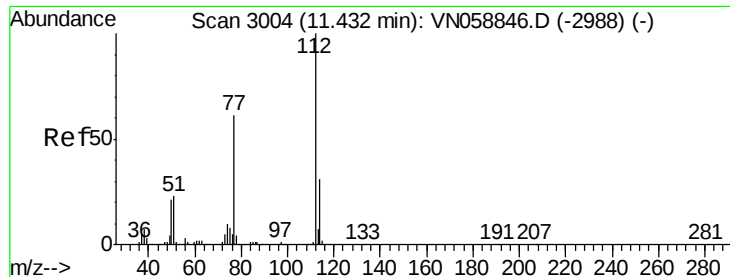
Tot Ion:117 Resp: 630745
Ion Ratio Lower Upper
117 100
82 57.5 46.6 69.8
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 21.605 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion:164 Resp: 95436
Ion Ratio Lower Upper
164 100
166 127.5 104.8 157.2
129 96.2 79.3 118.9
131 93.4 75.8 113.6

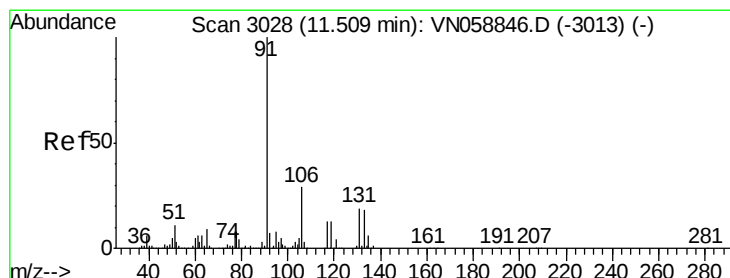
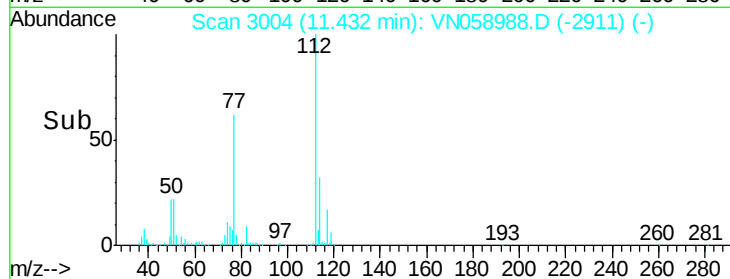
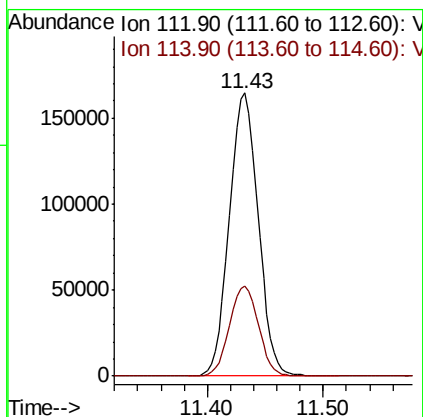
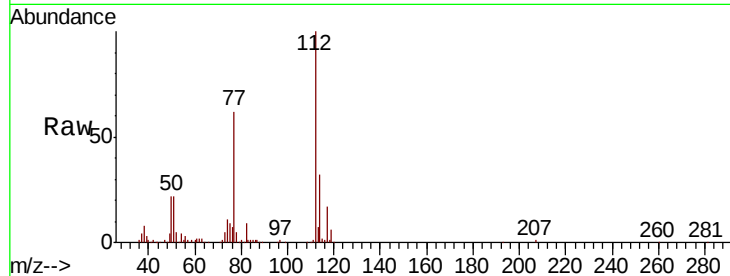




#65
Chlorobenzene
Concen: 22.073 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

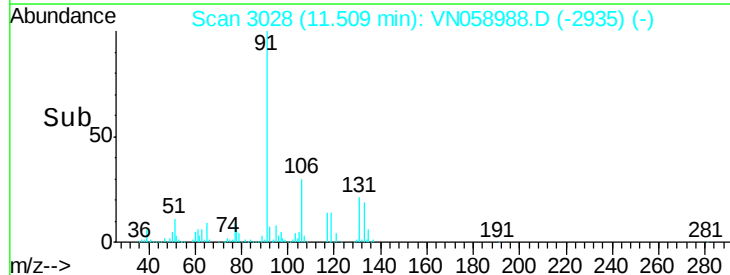
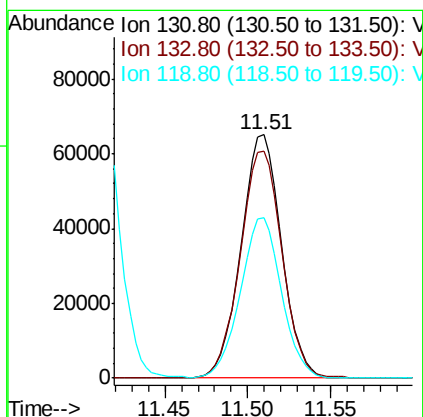
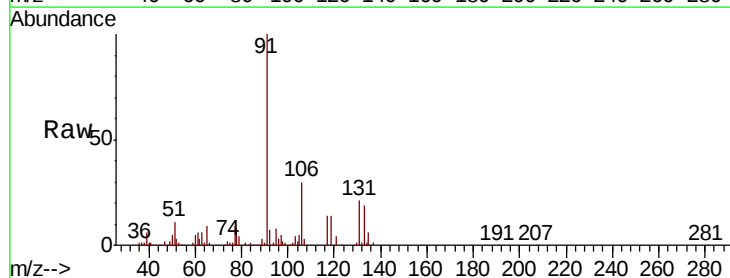
Instrument :
MSVOA_N
ClientSampleId :

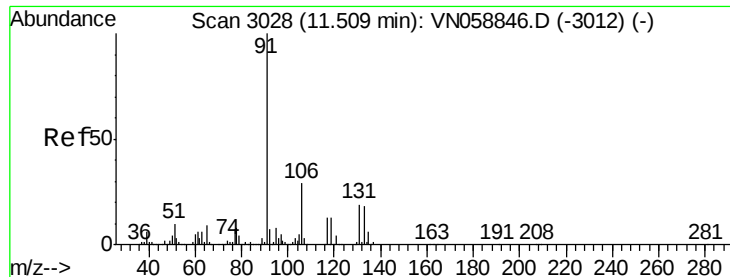
Tot Ion:112 Resp: 283441
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.853 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion:131 Resp: 110741
Ion Ratio Lower Upper
131 100
133 96.6 48.4 145.2
119 66.8 33.6 100.8





#67

Ethyl Benzene

Concen: 23.063 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

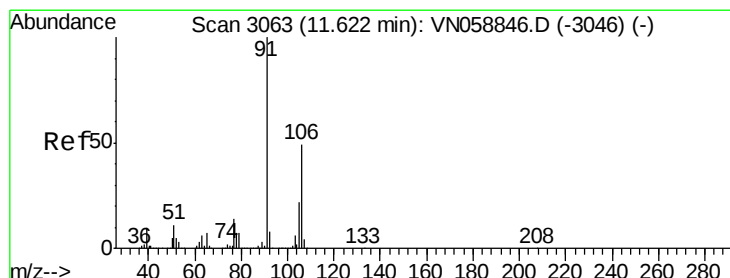
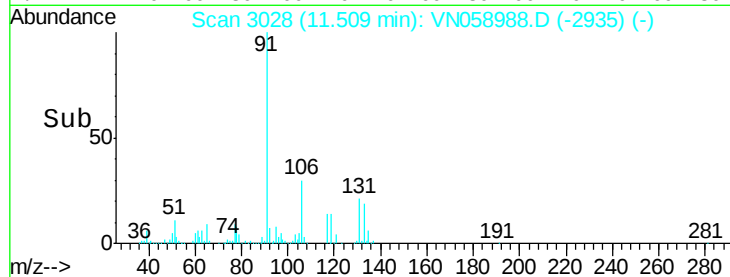
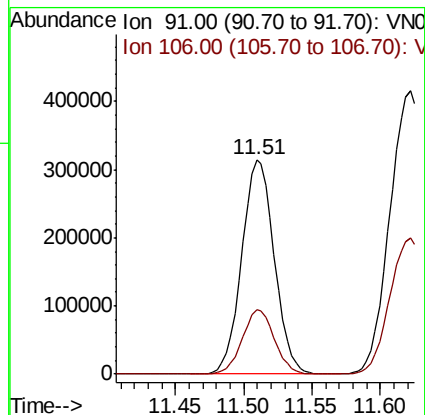
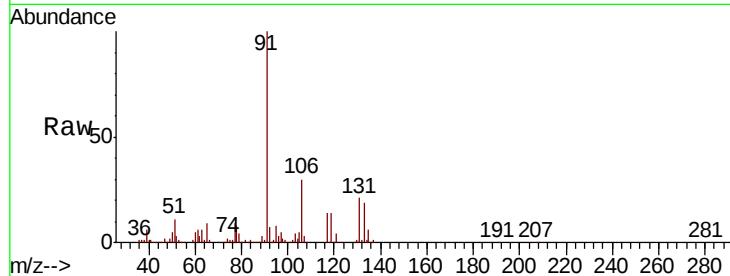
ClientSampled :

Tot Ion: 91 Resp: 519514

Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



#68

m/p-Xylenes

Concen: 46.180 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058988.D

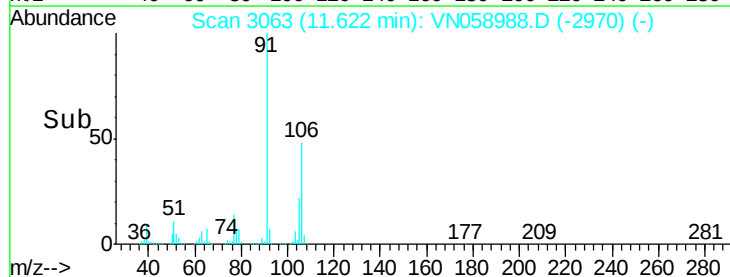
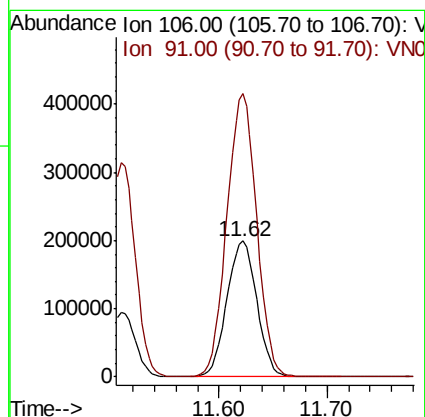
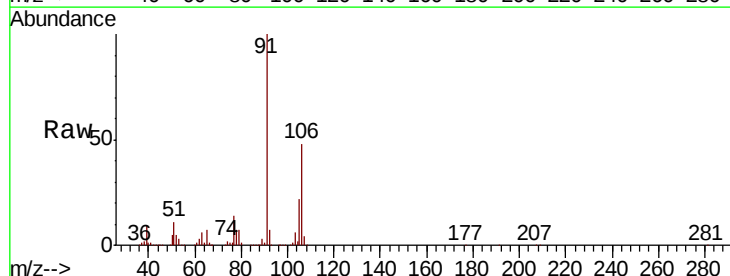
Acq: 28 Oct 2019 11:37

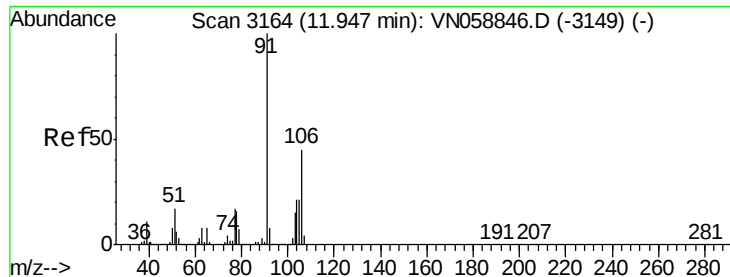
Tgt Ion: 106 Resp: 385779

Ion Ratio Lower Upper

106 100

91 206.9 166.6 249.8

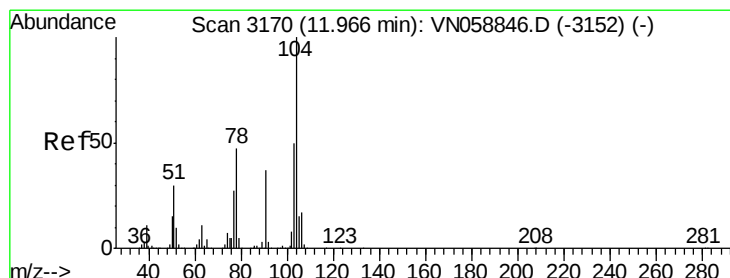
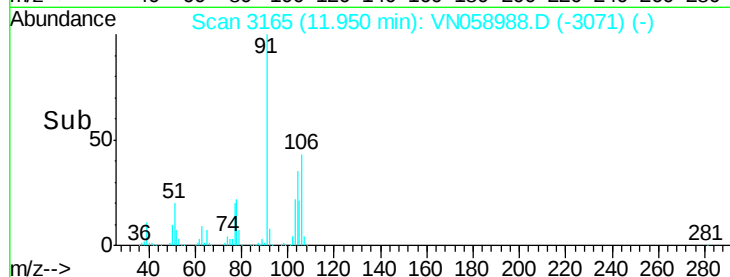
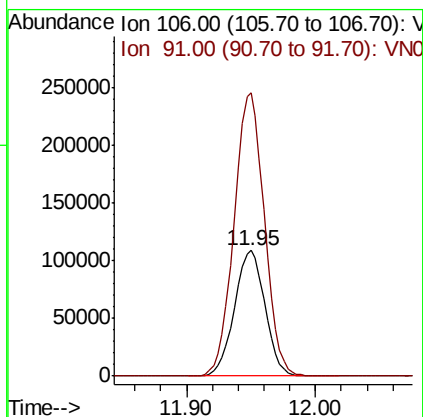
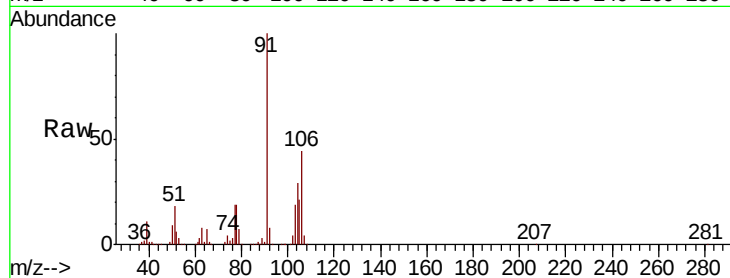




#69
o-Xylene
Concen: 22.532 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

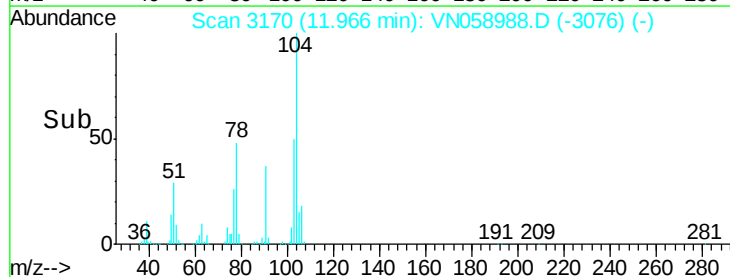
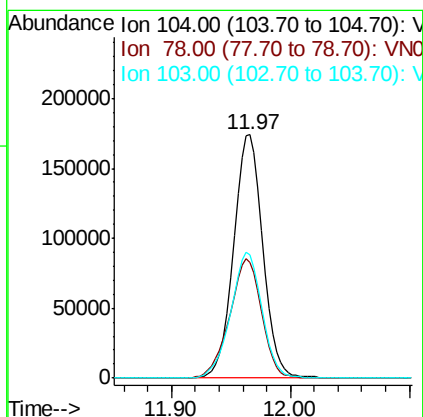
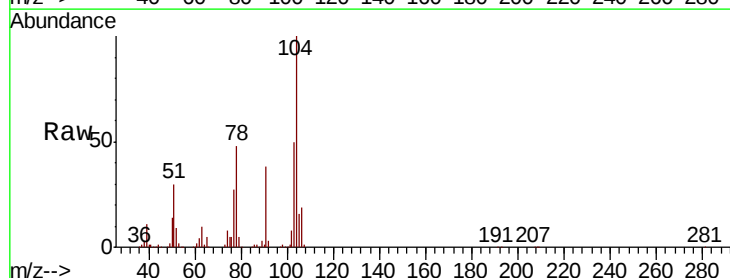
Instrument :
MSVOA_N
ClientSampled :

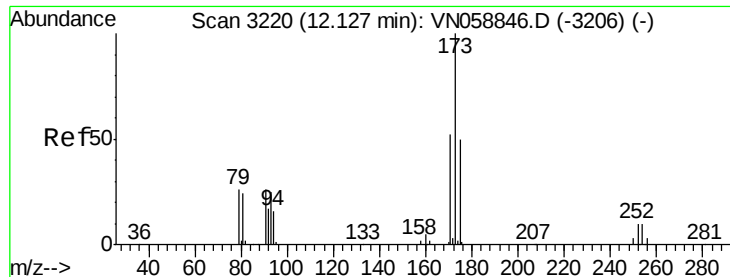
Tot Ion:106 Resp: 179518
Ion Ratio Lower Upper
106 100
91 223.4 111.5 334.4



#70
Styrene
Concen: 21.137 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion:104 Resp: 295793
Ion Ratio Lower Upper
104 100
78 53.6 42.8 64.2
103 55.5 44.3 66.5





#71

Bromoform

Concen: 22.157 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

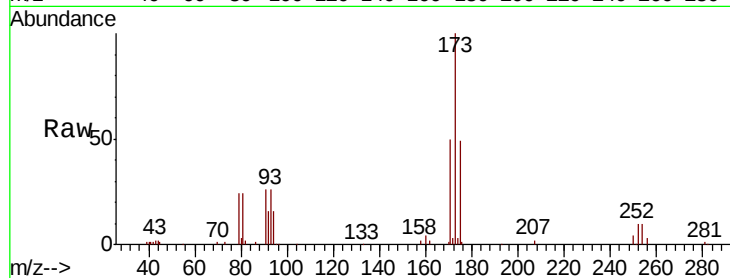
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:173 Resp: 83256

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.0	0.0	0.0

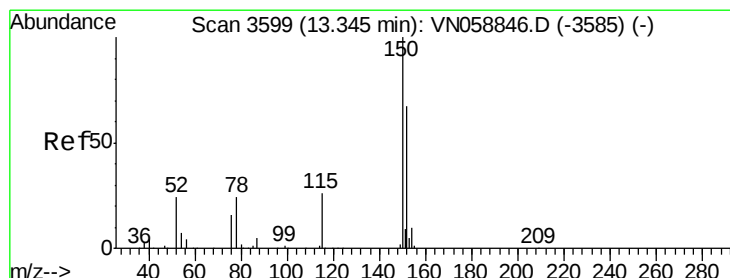
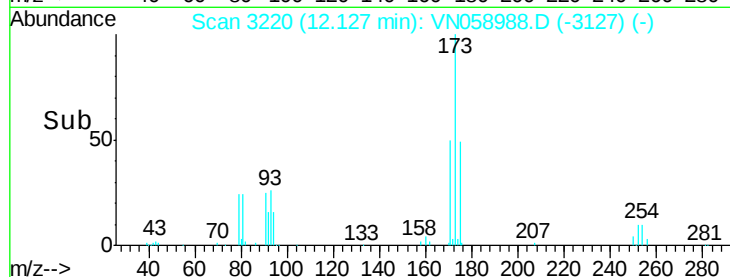
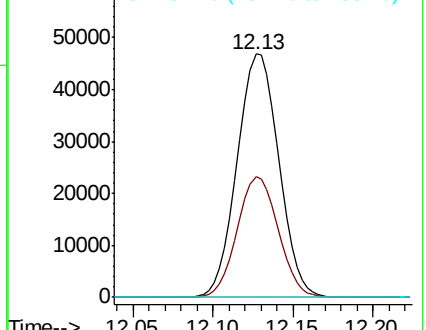


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

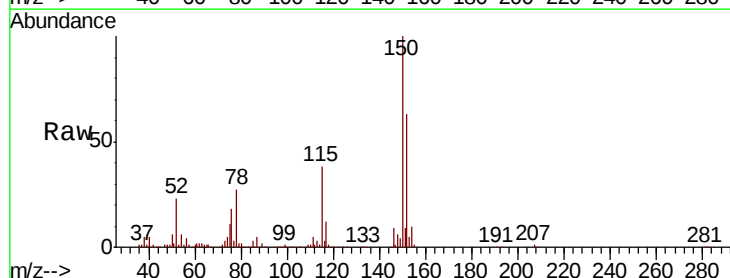
Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Tgt Ion:152 Resp: 297954

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.5	91.5
150	162.9	0.0	344.4

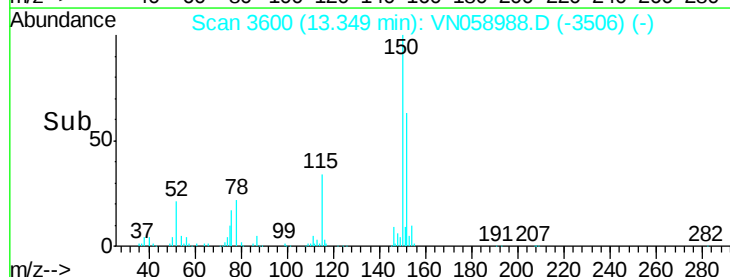
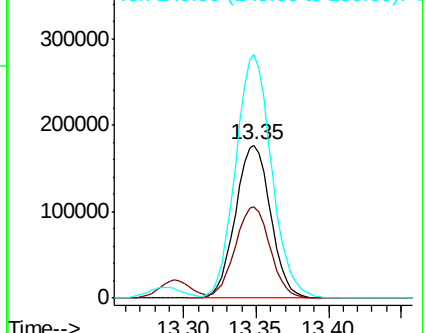


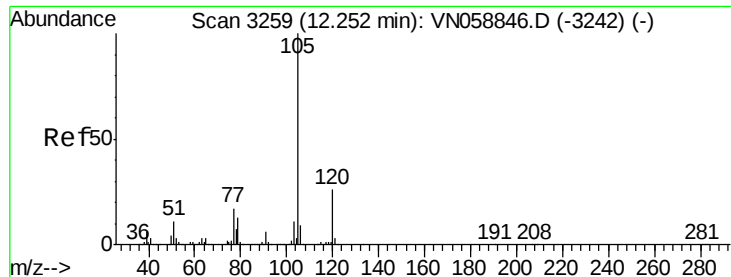
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.774 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

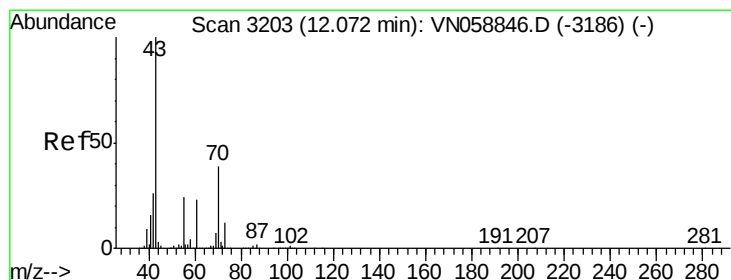
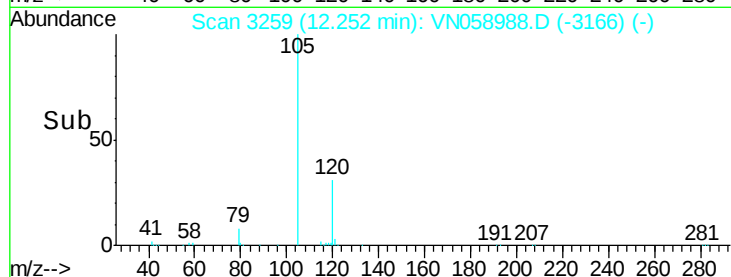
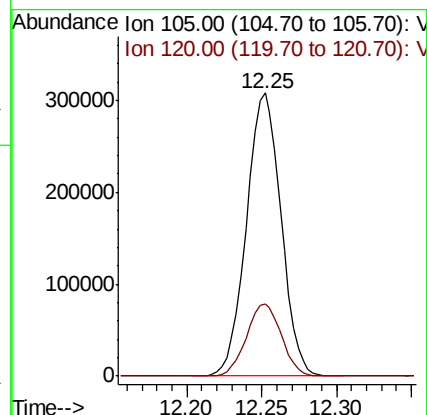
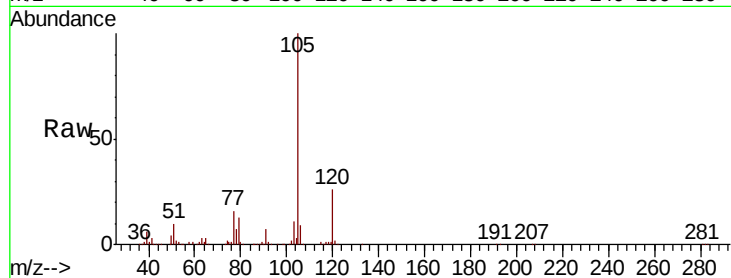
ClientSampleId :

Tot Ion:105 Resp: 495908

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4



#74

N-ethyl acetate

Concen: 22.302 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Tgt Ion: 43 Resp: 220165

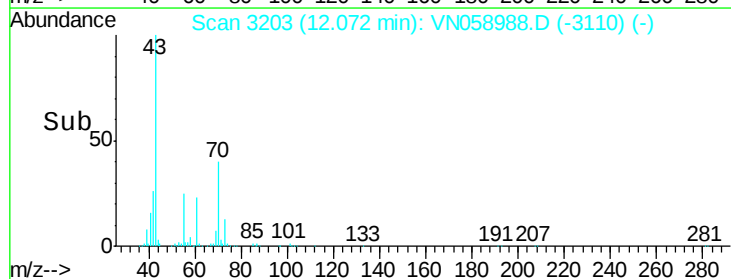
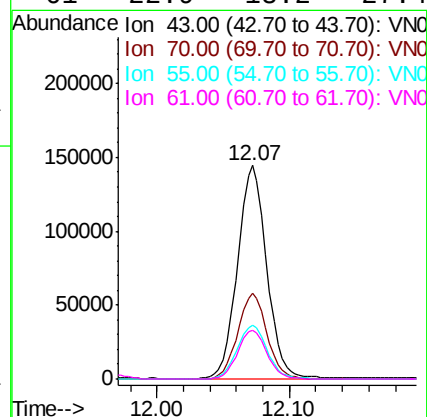
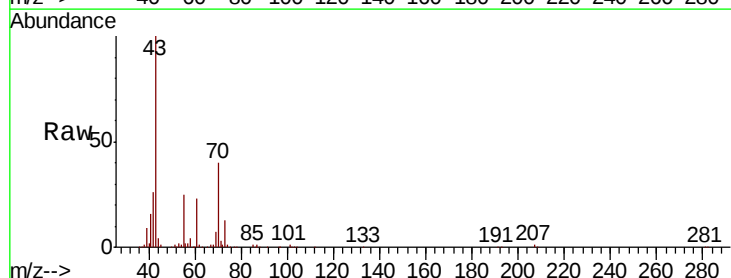
Ion Ratio Lower Upper

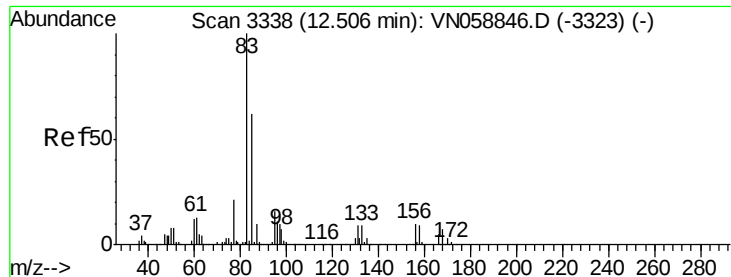
43 100

70 40.5 30.9 46.3

55 26.3 19.7 29.5

61 22.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.561 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

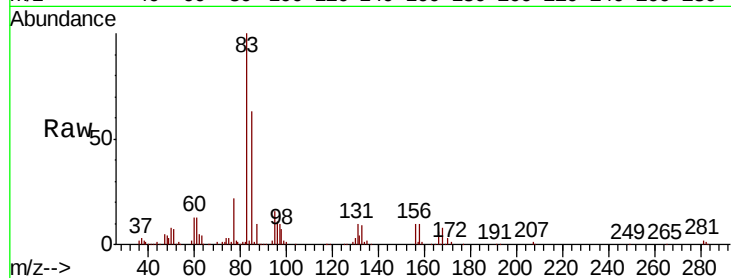
Tot Ion: 83 Resp: 172738

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

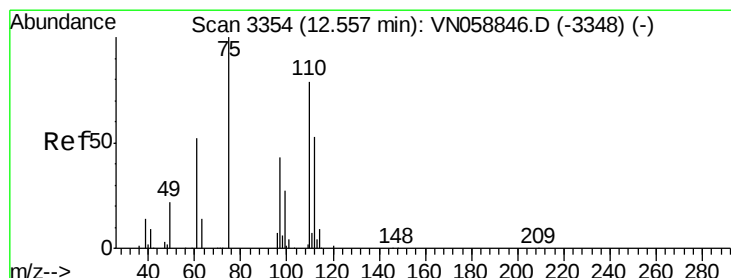
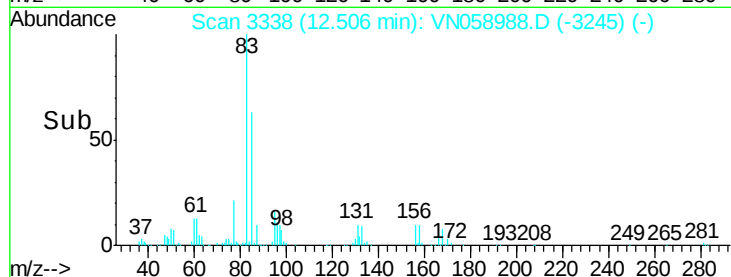
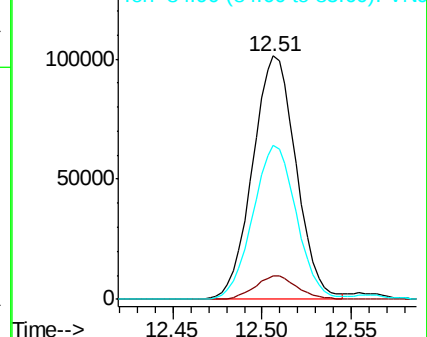
85 63.1 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058988.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058988.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058988.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 33.045 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058988.D

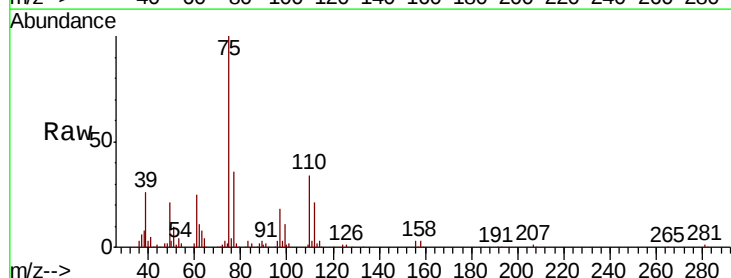
Acq: 28 Oct 2019 11:37

Tgt Ion: 75 Resp: 228191

Ion Ratio Lower Upper

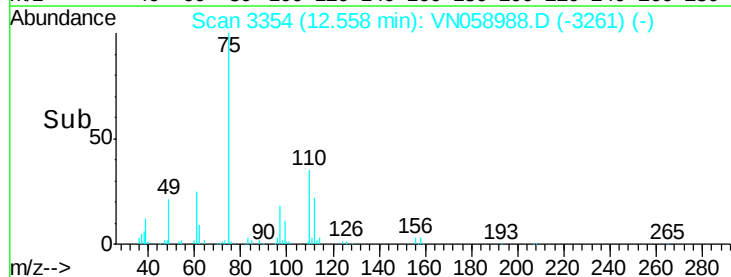
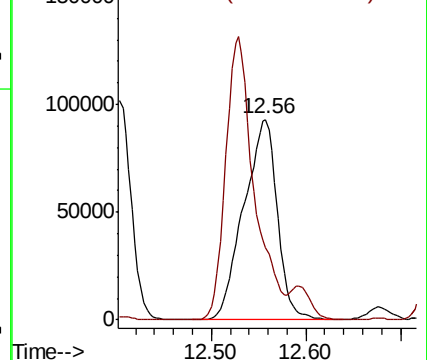
75 100

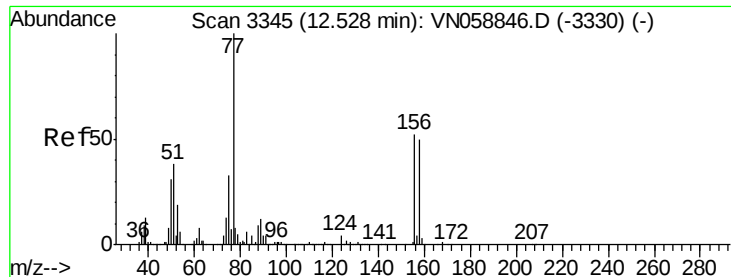
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058988.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN058988.D (-3348) (-)





#77

Bromobenzene

Concen: 22.276 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampleId :

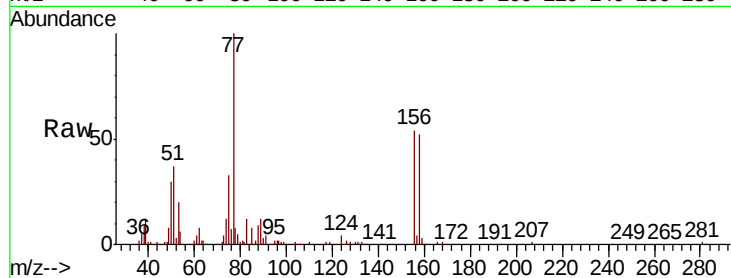
Tot Ion:156 Resp: 119559

Ion Ratio Lower Upper

156 100

77 230.6 118.0 354.0

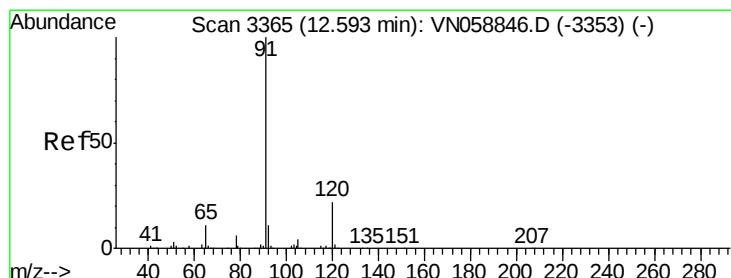
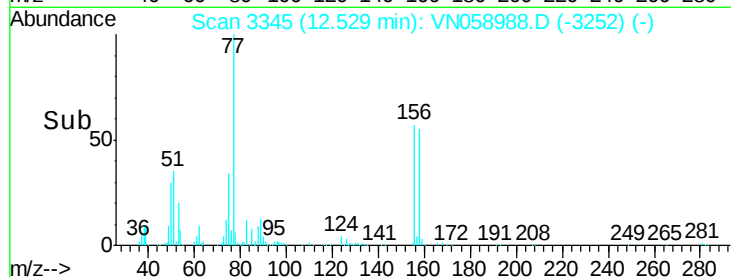
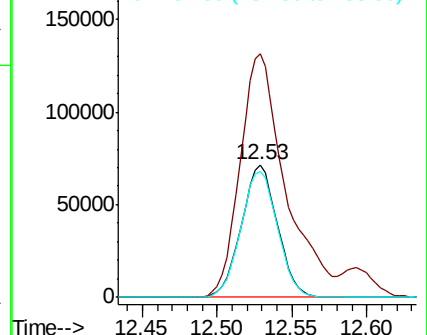
158 97.4 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.544 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058988.D

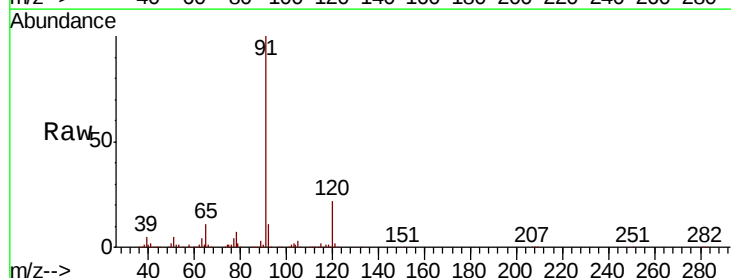
Acq: 28 Oct 2019 11:37

Tgt Ion: 91 Resp: 580259

Ion Ratio Lower Upper

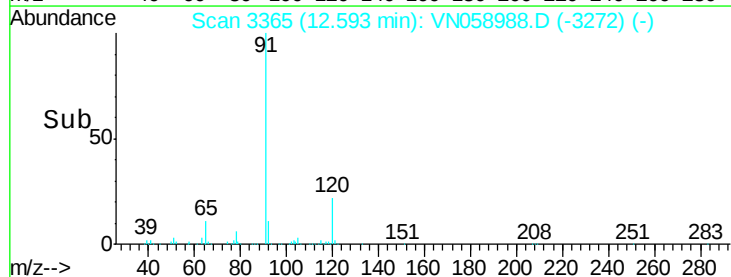
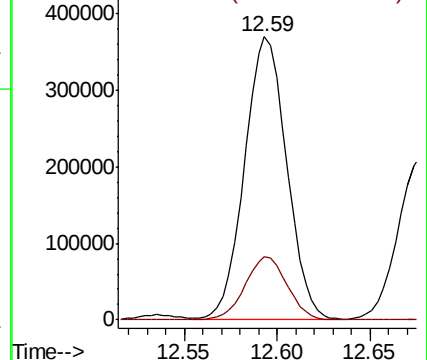
91 100

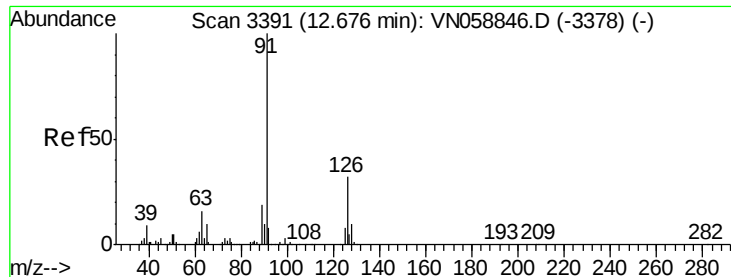
120 22.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

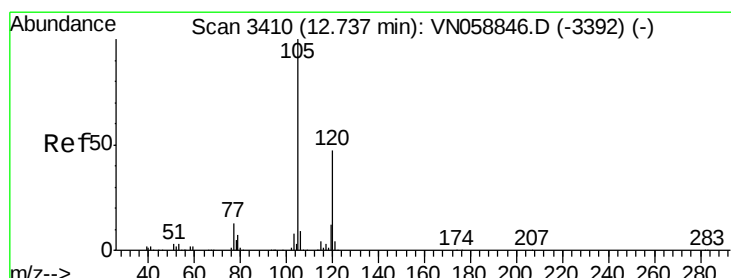
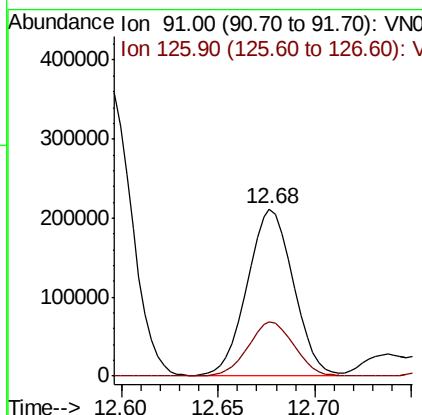
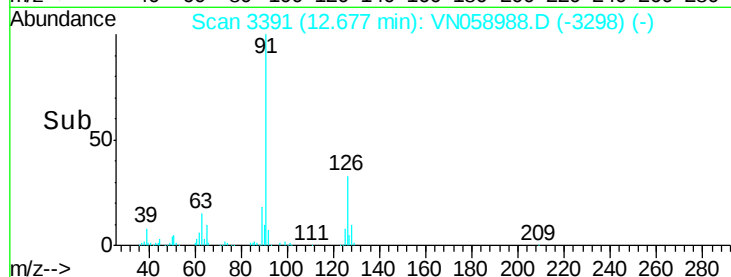
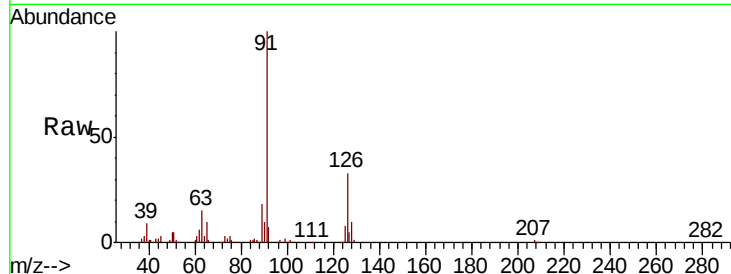




#79
2-Chlorotoluene
Concen: 22.133 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

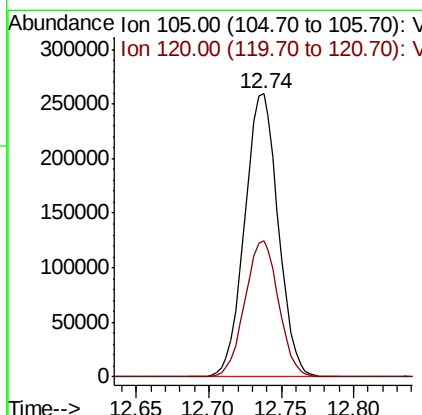
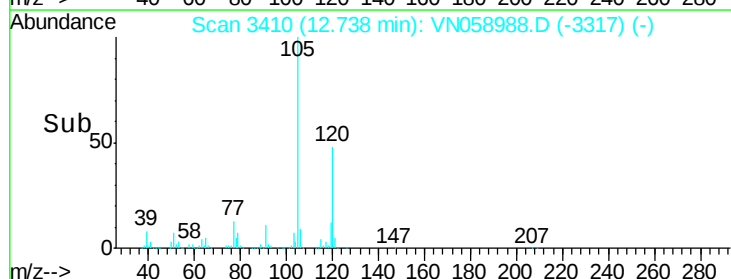
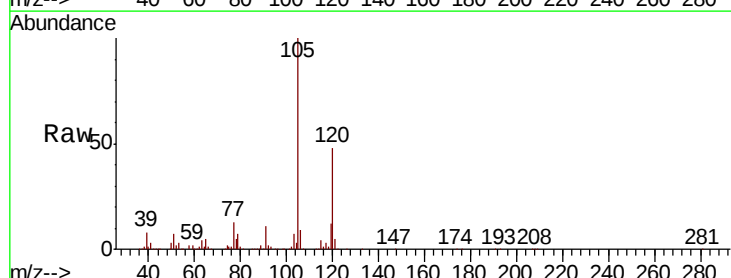
Instrument :
MSVOA_N
ClientSampled :

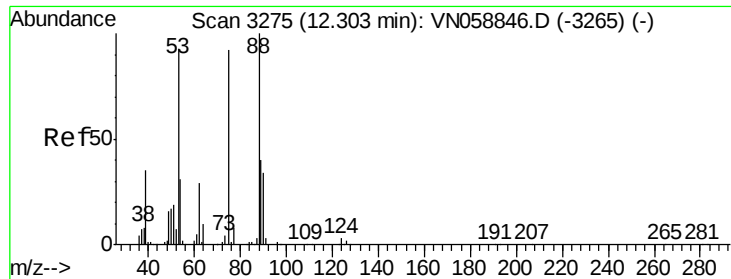
Tot Ion: 91 Resp: 348672
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 22.779 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 105 Resp: 416736
Ion Ratio Lower Upper
105 100
120 48.5 23.8 71.5

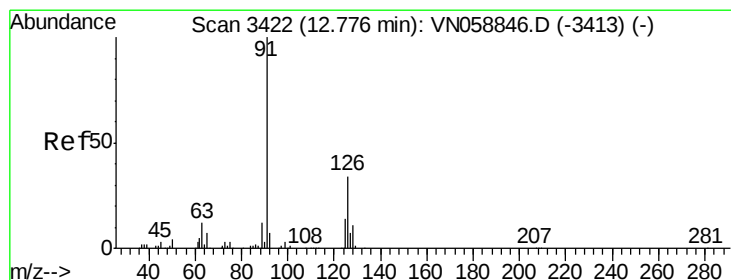
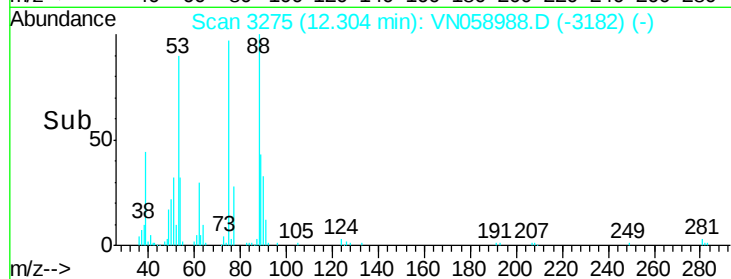
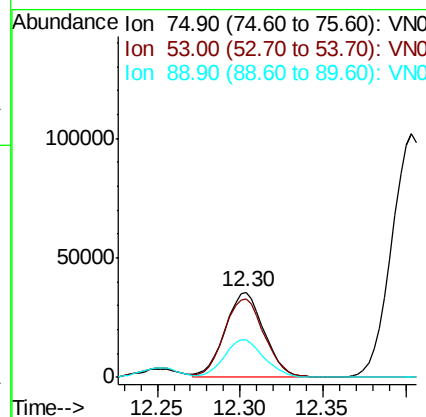
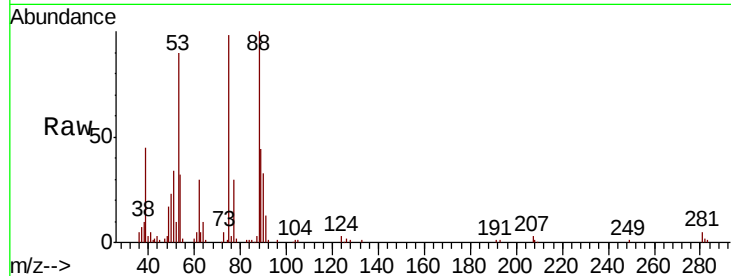




#81
trans-1,4-Dichloro-2-butene
Concen: 22.017 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

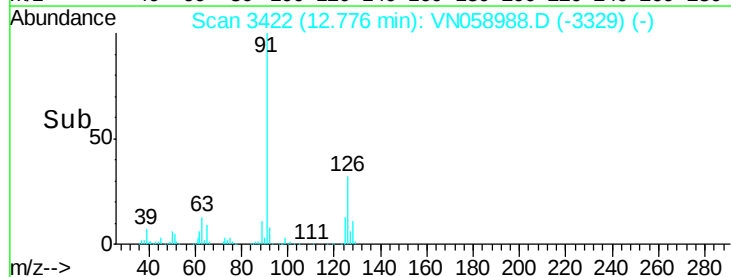
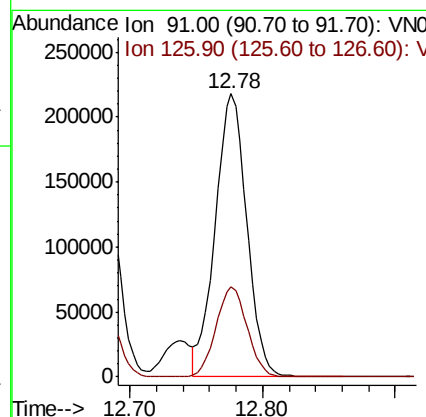
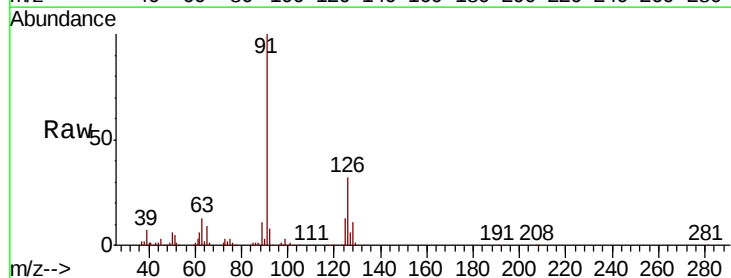
Instrument :
MSVOA_N
ClientSampled :

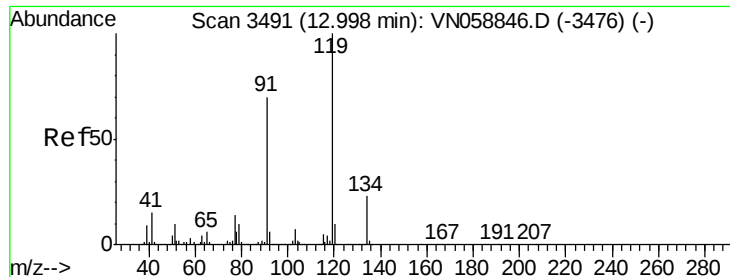
Tot Ion: 75 Resp: 58362
Ion Ratio Lower Upper
75 100
53 95.8 78.6 118.0
89 45.0 35.4 53.0



#82
4-Chlorotoluene
Concen: 22.246 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058988.D
Acq: 28 Oct 2019 11:37

Tgt Ion: 91 Resp: 358131
Ion Ratio Lower Upper
91 100
126 31.3 16.0 47.9

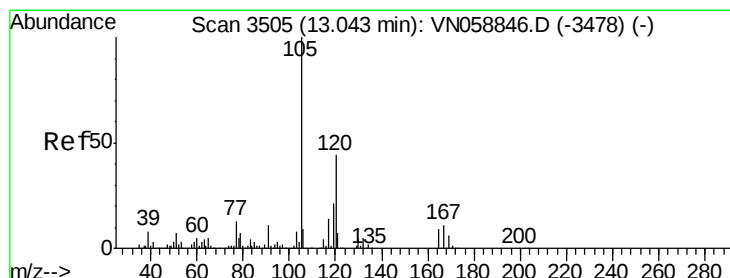
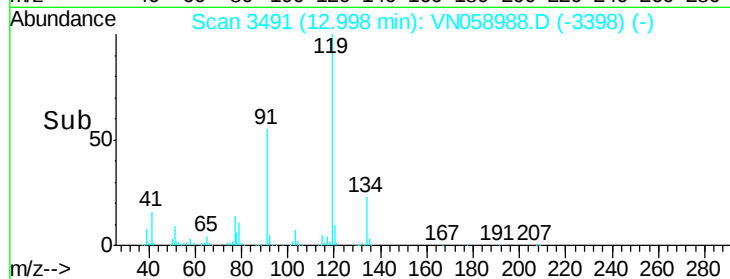
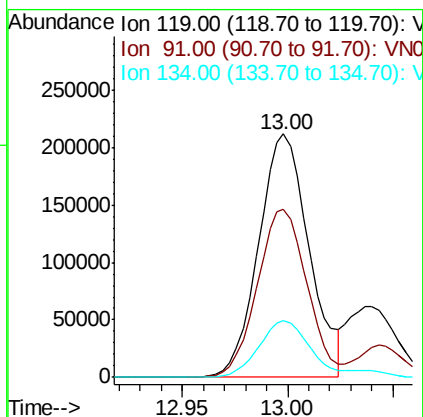
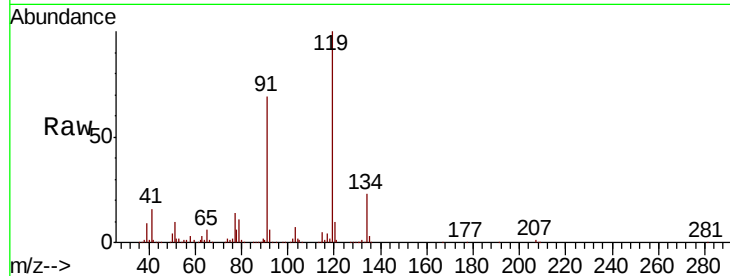




#83
 tert-Butylbenzene
 Concen: 22.576 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

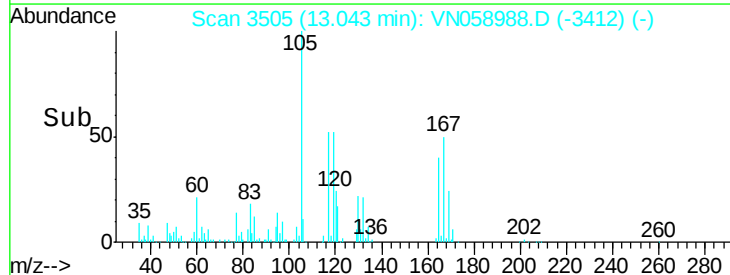
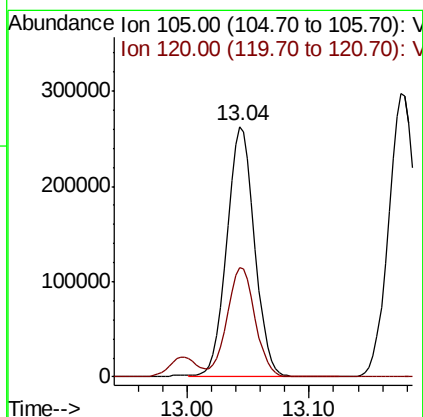
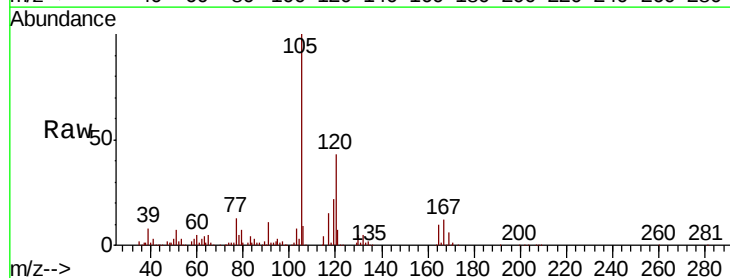
Instrument :
 MSVOA_N
 ClientSampleId :

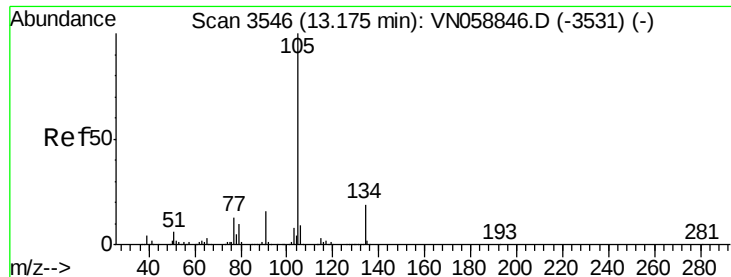
Tot Ion:119 Resp: 353185
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.1 102.3
 134 25.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.081 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion:105 Resp: 416502
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 22.777 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

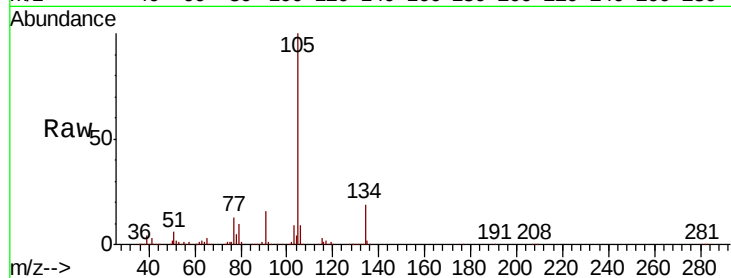
ClientSampleId :

Tot Ion:105 Resp: 475079

Ion Ratio Lower Upper

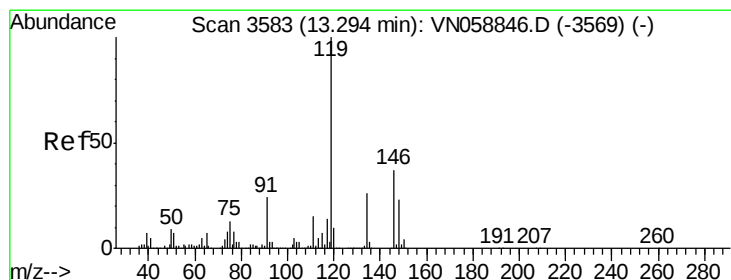
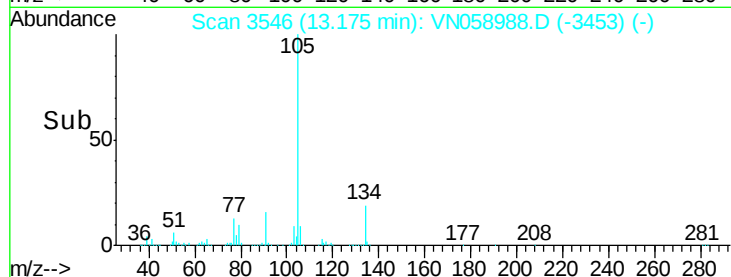
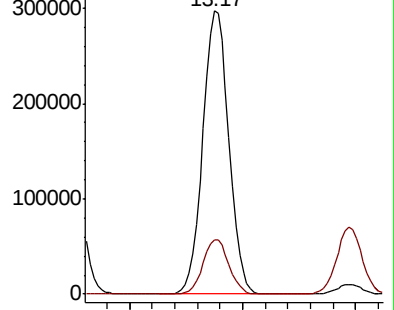
105 100

134 19.2 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: 22.868 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

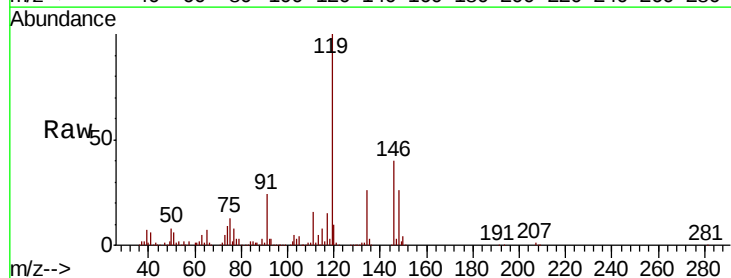
Tgt Ion:119 Resp: 420872

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

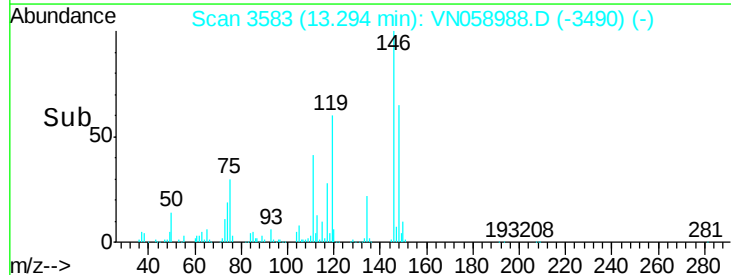
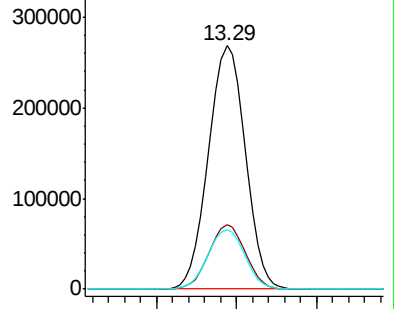
91 24.4 12.2 36.4

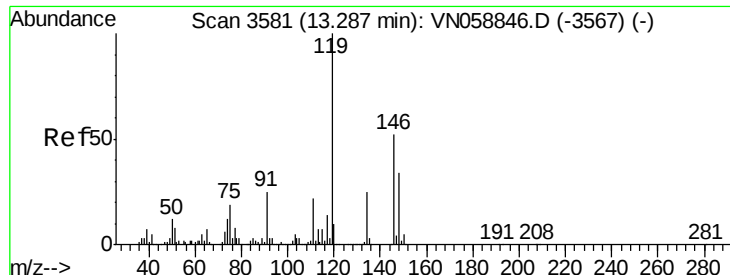


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.092 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

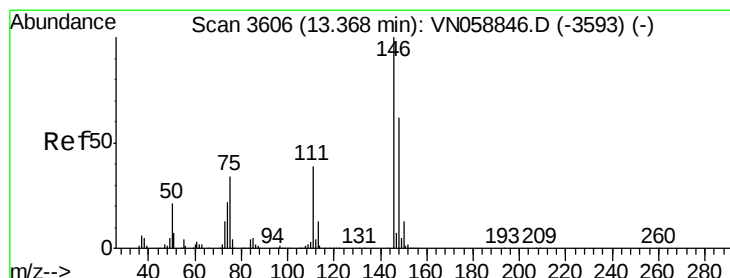
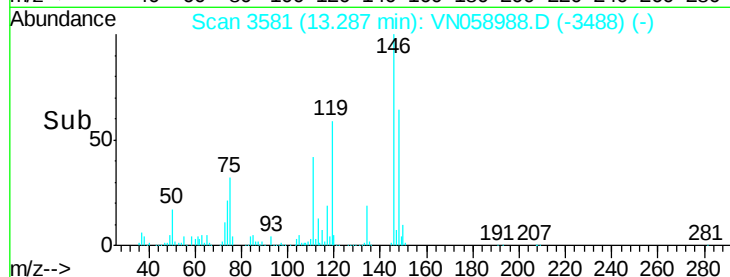
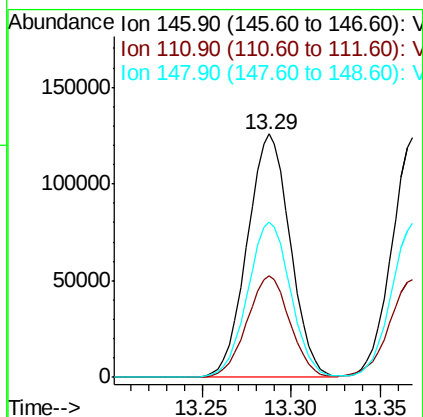
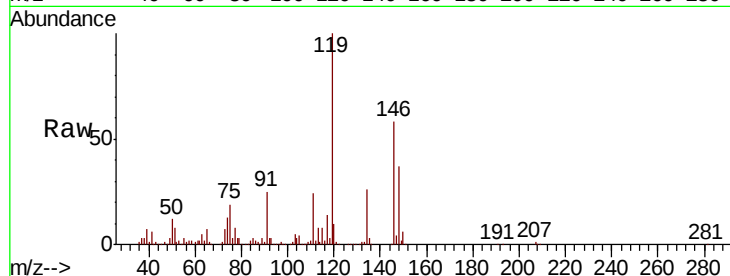
Tot Ion:146 Resp: 212011

Ion Ratio Lower Upper

146 100

111 41.5 21.0 63.0

148 64.0 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 21.392 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

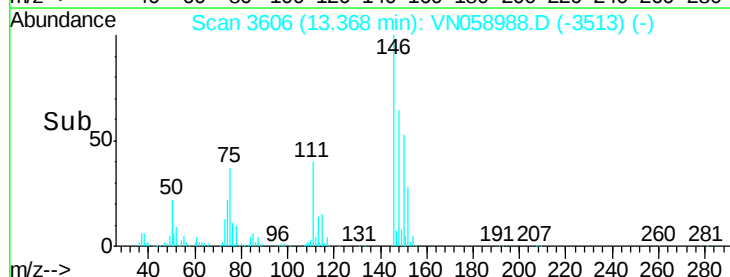
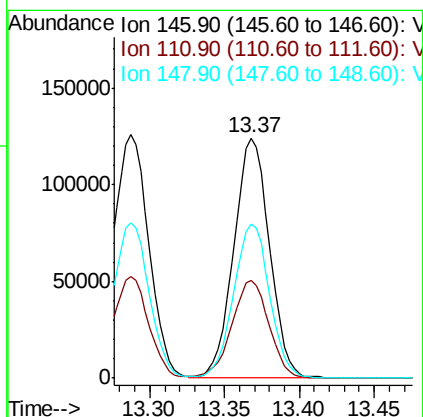
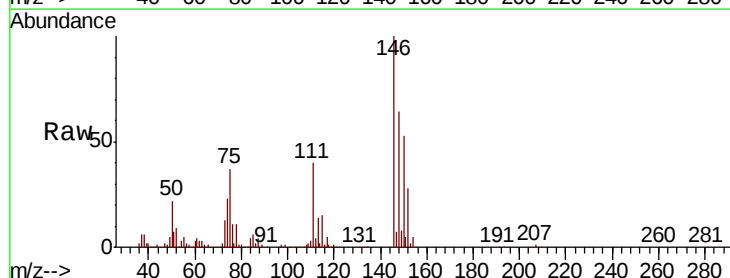
Tgt Ion:146 Resp: 205540

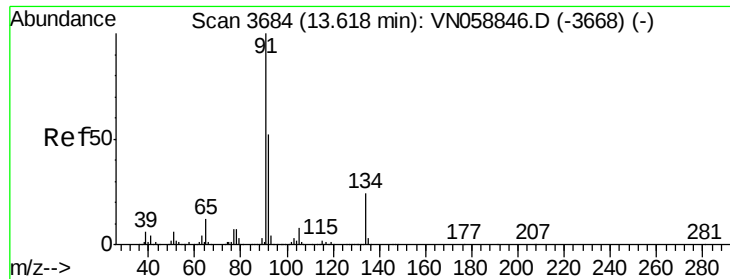
Ion Ratio Lower Upper

146 100

111 42.6 20.2 60.6

148 64.8 31.6 94.7





#89

n-Butylbenzene

Concen: 21.794 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Instrument :

MSVOA_N

ClientSampled :

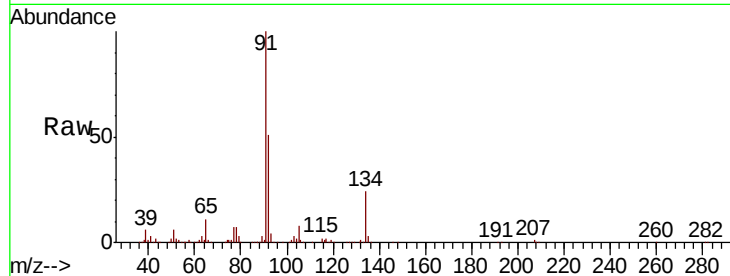
Tot Ion: 91 Resp: 368462

Ion Ratio Lower Upper

91 100

92 51.1 25.7 77.1

134 24.2 11.9 35.5

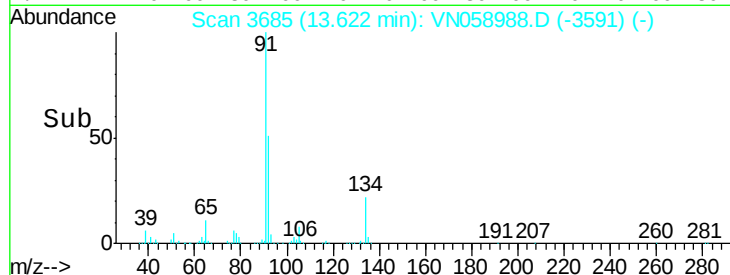


Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)

Time-->

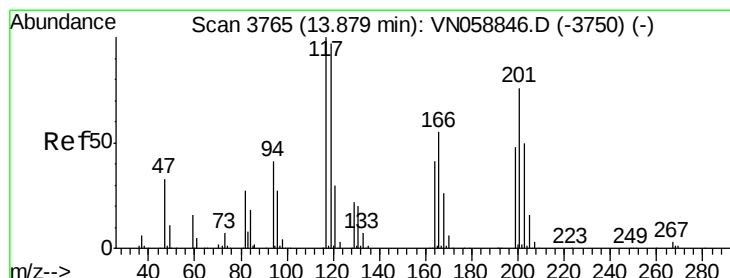


Abundance Ion 91.00 (90.70 to 91.70): VN058988.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN058988.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN058988.D (-3591) (-)

Time-->



#90

Hexachloroethane

Concen: 21.510 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058988.D

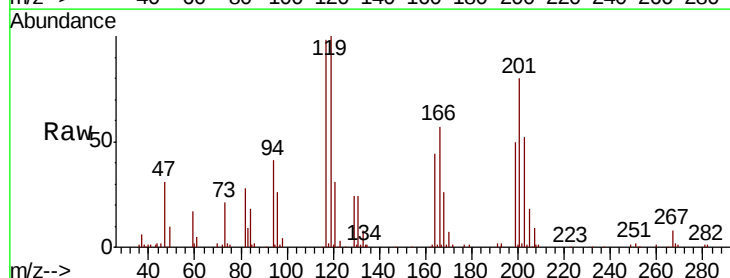
Acq: 28 Oct 2019 11:37

Tgt Ion: 117 Resp: 80219

Ion Ratio Lower Upper

117 100

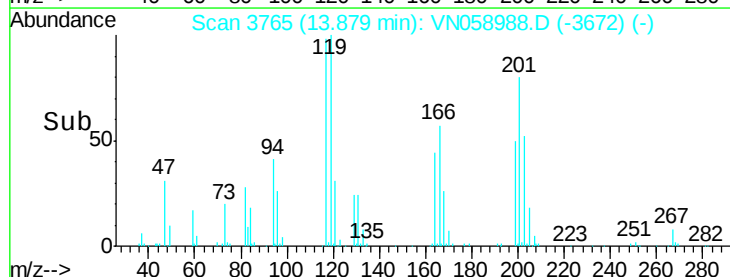
201 79.6 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)

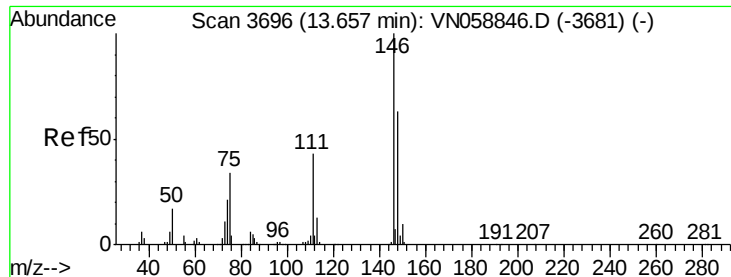
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058988.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN058988.D (-3672) (-)

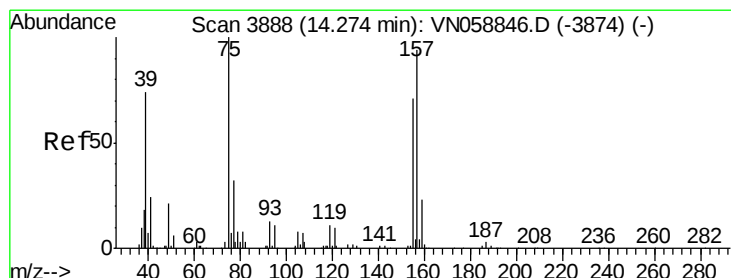
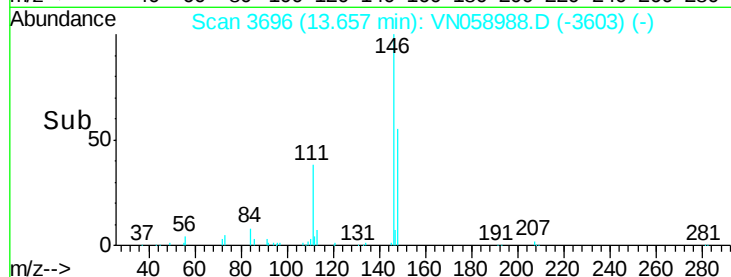
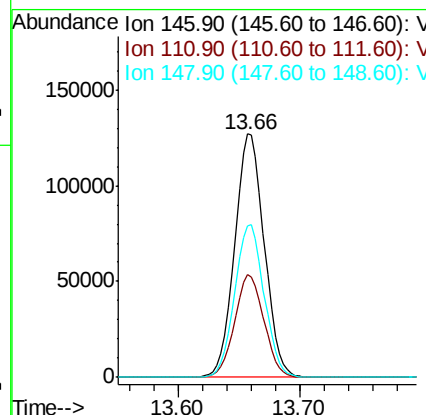
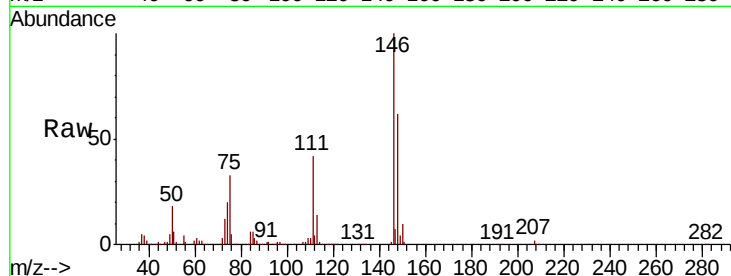
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 22.687 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

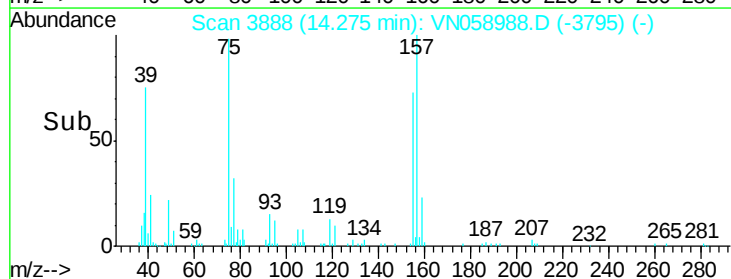
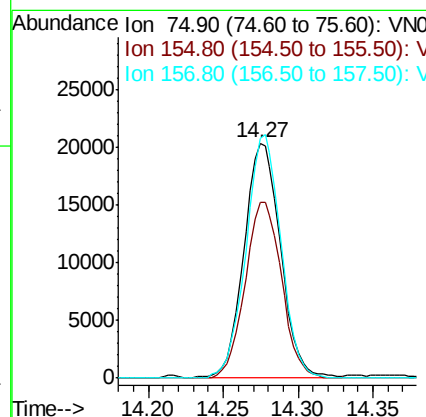
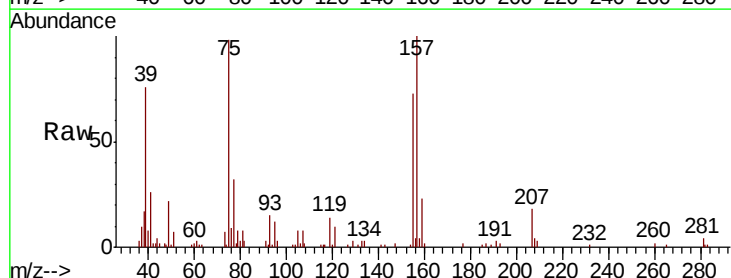
Instrument :
 MSVOA_N
 ClientSampleId :

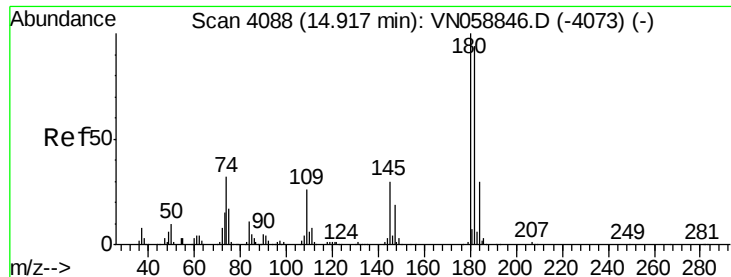
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.6	64.8
148	62.6	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.140 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.6	106.8
157	98.7	47.4	142.2

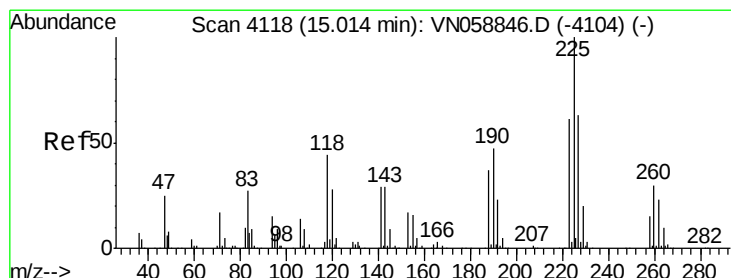
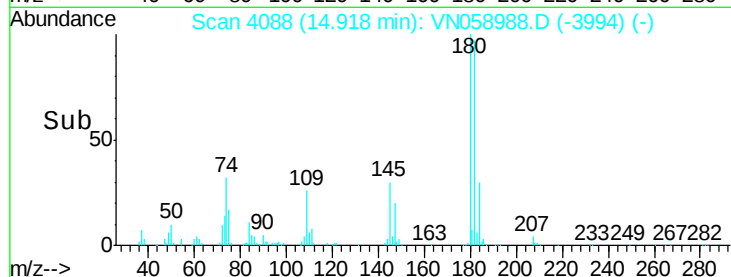
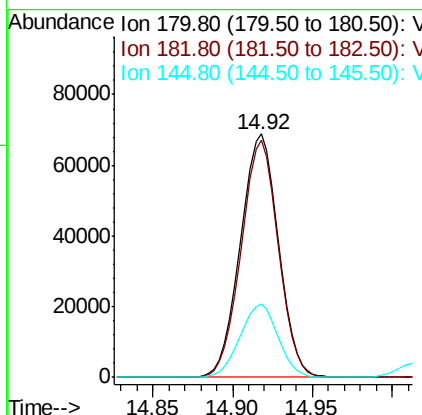
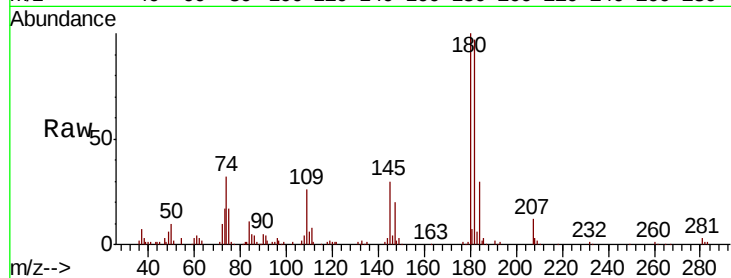




#93
 1,2,4-Trichlorobenzene
 Concen: 20.294 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

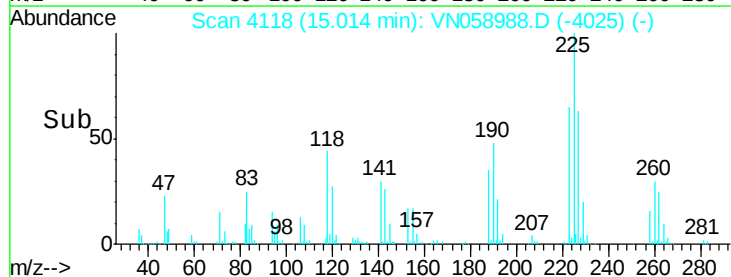
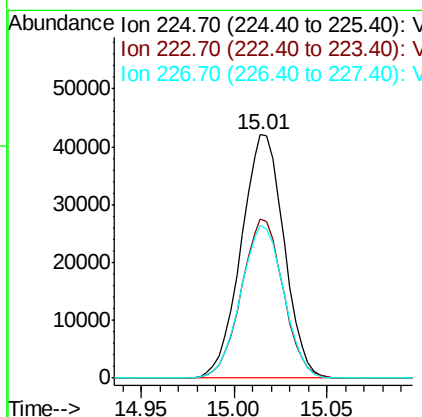
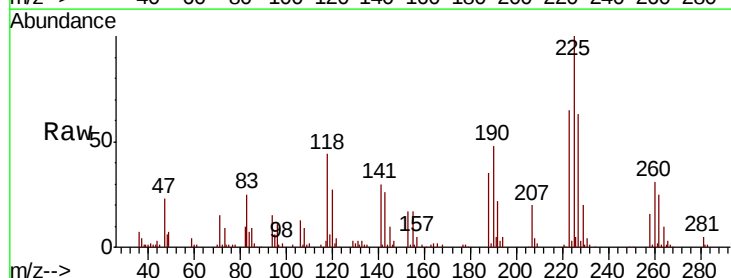
Instrument :
 MSVOA_N
 ClientSampleId :

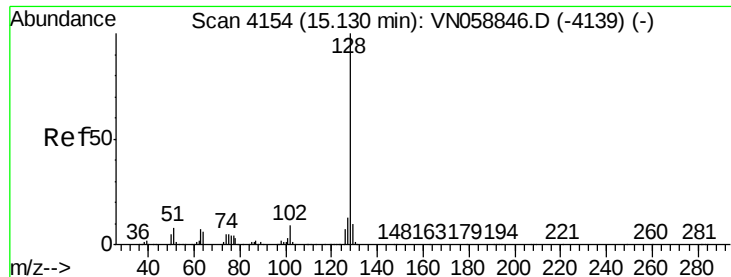
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	30.1	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 22.155 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058988.D
 Acq: 28 Oct 2019 11:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.9	92.5
227	62.9	31.6	94.7





#95

Naphthalene

Concen: 19.437 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

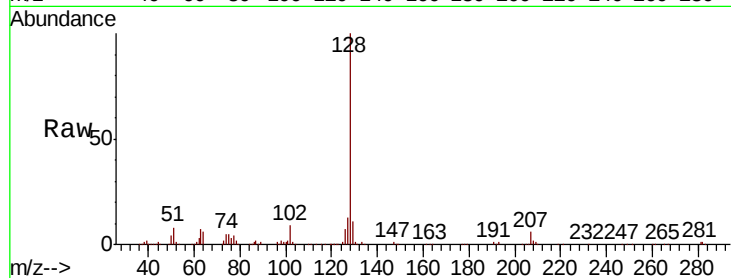
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 307430

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.4	12.6

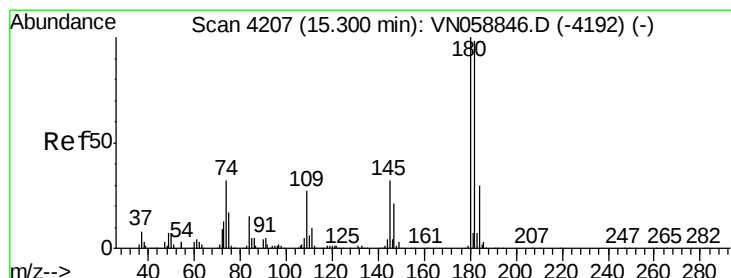
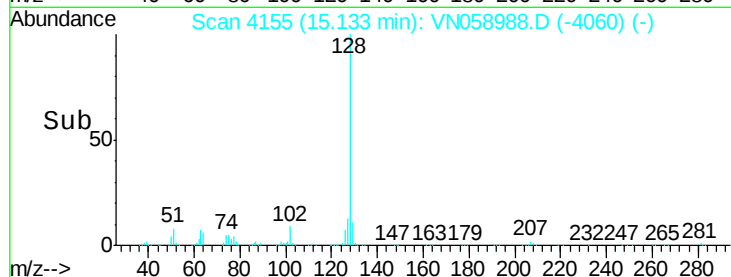
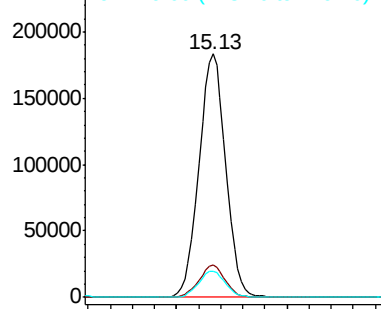


Abundance

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: 21.033 ug/l

RT: 15.30 min Scan# 4207

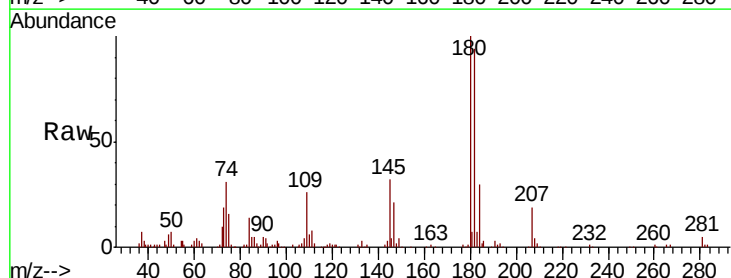
Delta R.T. 0.00 min

Lab File: VN058988.D

Acq: 28 Oct 2019 11:37

Tgt Ion:180 Resp: 113167

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.7
145	32.9	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

