

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058536.D
 Acq On : 4 Oct 2019 13:37
 Operator : JC/SP
 Sample : VN1004WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:36:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	656781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	595789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282717	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	283825	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
35) Dibromofluoromethane	7.57	113	199199	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.08	98	777623	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.41	95	288361	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	84203	19.671	ug/l	98
3) Chloromethane	2.04	50	108611	23.080	ug/l	98
4) Vinyl Chloride	2.17	62	96348	20.900	ug/l	98
5) Bromomethane	2.55	94	48973	20.000	ug/l	94
6) Chloroethane	2.68	64	62658	22.684	ug/l	97
7) Trichlorofluoromethane	3.00	101	111187	19.986	ug/l	98
8) Diethyl Ether	3.39	74	49060	20.439	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74849	19.811	ug/l	97
10) Methyl Iodide	3.93	142	62571	14.936	ug/l	97
11) Tert butyl alcohol	4.76	59	78818	124.366	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71626	19.450	ug/l	98
13) Acrolein	3.59	56	23410	116.137	ug/l	99
14) Allyl chloride	4.30	41	140947	21.031	ug/l	97
15) Acrylonitrile	4.96	53	211584	114.553	ug/l	98
16) Acetone	3.79	43	193605	99.555	ug/l	98
17) Carbon Disulfide	4.03	76	187480	19.313	ug/l	98
18) Methyl Acetate	4.30	43	106625	21.799	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	276825	21.304	ug/l	99
20) Methylene Chloride	4.53	84	92484	20.608	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	81391	19.875	ug/l	96
22) Diisopropyl ether	5.93	45	302855	21.000	ug/l	94
23) Vinyl Acetate	5.87	43	1239778	114.010	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173123	21.330	ug/l	99
25) 2-Butanone	6.81	43	284740	106.643	ug/l	99
26) 2,2-Dichloropropane	6.80	77	143211	21.462	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98933	20.670	ug/l	99
28) Bromochloromethane	7.18	49	69487	21.417	ug/l	98
29) Tetrahydrofuran	7.19	42	187583	110.692	ug/l	99
30) Chloroform	7.36	83	174165	21.176	ug/l	99
31) Cyclohexane	7.64	56	151262	19.159	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	145732	21.577	ug/l	98
36) 1,1-Dichloropropene	7.78	75	124490	19.823	ug/l	100
37) Ethyl Acetate	6.91	43	123451	23.186	ug/l	99
38) Carbon Tetrachloride	7.76	117	119060	21.003	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137292	18.720	ug/l	98
40) Benzene	8.03	78	372364	20.627	ug/l	98
41) Methacrylonitrile	7.15	41	52896	21.594	ug/l	98
42) 1,2-Dichloroethane	8.11	62	143423	20.421	ug/l	99
43) Isopropyl Acetate	8.15	43	205924	20.567	ug/l #	90
44) Trichloroethene	8.82	130	91383	20.501	ug/l	94
45) 1,2-Dichloropropane	9.11	63	103893	21.459	ug/l	98
46) Dibromomethane	9.20	93	64947	21.183	ug/l	96
47) Bromodichloromethane	9.39	83	128276	22.082	ug/l	97
48) Methyl methacrylate	9.19	41	97324	21.347	ug/l	99
49) 1,4-Dioxane	9.19	88	32947	540.454	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	613627	119.312	ug/l	99
52) Toluene	10.15	92	226739	19.955	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	139995	22.141	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	152291	21.698	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93292	22.549	ug/l	97
56) Ethyl methacrylate	10.43	69	136188	21.693	ug/l	99
57) 1,3-Dichloropropane	10.71	76	160009	21.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	332508	132.828	ug/l	100
59) 2-Hexanone	10.75	43	437572	116.844	ug/l	99
60) Dibromochloromethane	10.90	129	87699	20.140	ug/l	99
61) 1,2-Dibromoethane	11.00	107	90055	21.303	ug/l	99
64) Tetrachloroethene	10.63	164	82549	21.808	ug/l	96
65) Chlorobenzene	11.43	112	243648	20.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87663	21.970	ug/l	99
67) Ethyl Benzene	11.51	91	449624	20.961	ug/l	99
68) m/p-Xylenes	11.62	106	324020	40.148	ug/l	97
69) o-Xylene	11.95	106	156801	20.182	ug/l	95
70) Styrene	11.97	104	260462	20.636	ug/l	99
71) Bromoform	12.13	173	52565	19.493	ug/l #	100
73) Isopropylbenzene	12.25	105	430083	20.585	ug/l	100
74) N-amyl acetate	12.07	43	180059	21.663	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	132184	21.395	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	169986	32.918	ug/l #	100
77) Bromobenzene	12.53	156	101190	20.655	ug/l	97
78) n-propylbenzene	12.60	91	504520	21.434	ug/l	100
79) 2-Chlorotoluene	12.68	91	298317	20.533	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	361095	20.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34292	20.169	ug/l	95
82) 4-Chlorotoluene	12.78	91	302746	20.421	ug/l	100
83) tert-Butylbenzene	13.00	119	295062	19.993	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	357821	20.420	ug/l	99
85) sec-Butylbenzene	13.18	105	402251	20.708	ug/l	99
86) p-Isopropyltoluene	13.30	119	357372	20.901	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180555	20.325	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	177990	20.139	ug/l	98
89) n-Butylbenzene	13.62	91	328354	21.200	ug/l	100
90) Hexachloroethane	13.88	117	55042	21.425	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	178676	20.934	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24704	22.675	ug/l	95

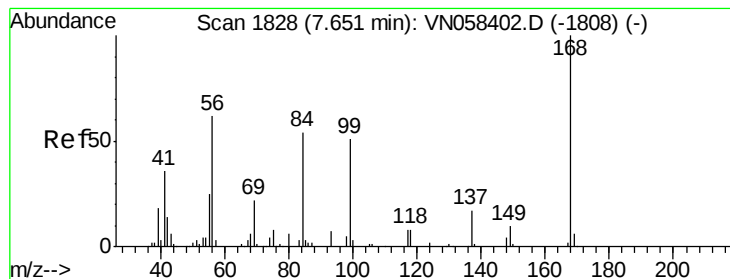
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	100891	21.391	ug/l	99
94) Hexachlorobutadiene	15.02	225	51406	21.205	ug/l	99
95) Naphthalene	15.13	128	283563	20.512	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	97090	20.517	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

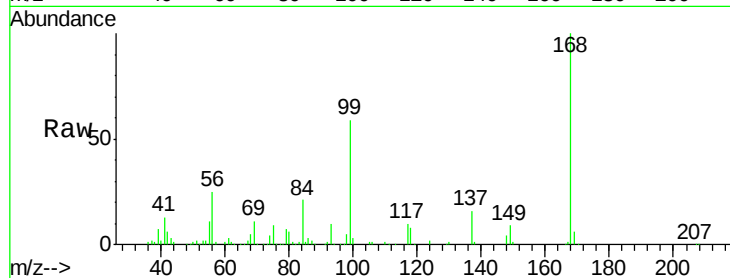
ClientSampled :

Tot Ion:168 Resp: 390381

Ion Ratio Lower Upper

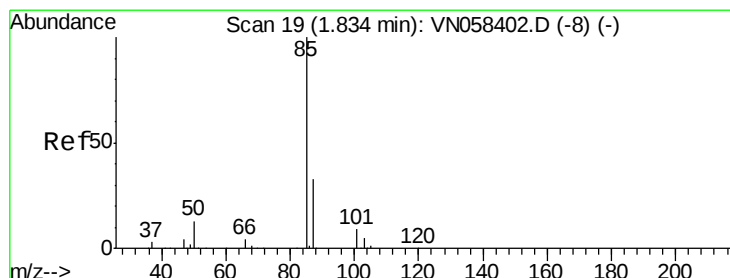
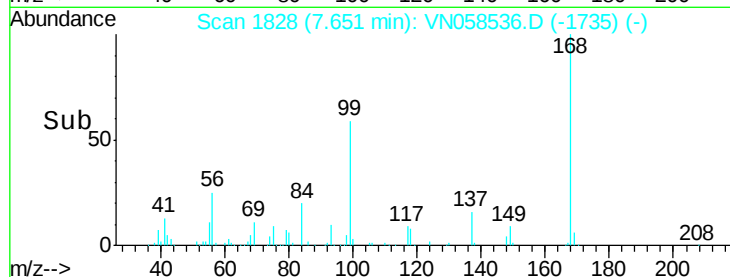
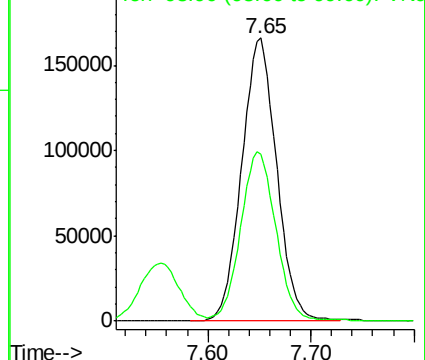
168 100

99 58.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.671 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058536.D

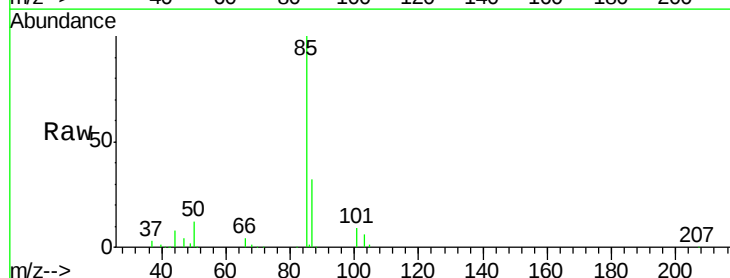
Acq: 4 Oct 2019 13:37

Tgt Ion: 85 Resp: 84203

Ion Ratio Lower Upper

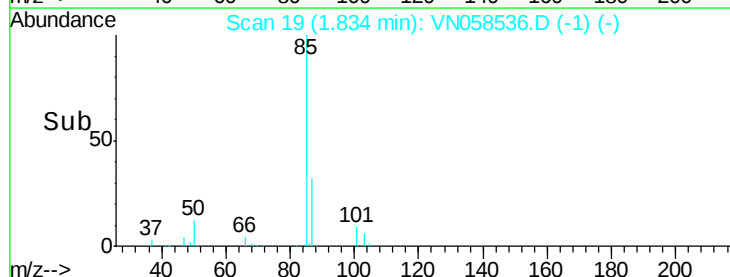
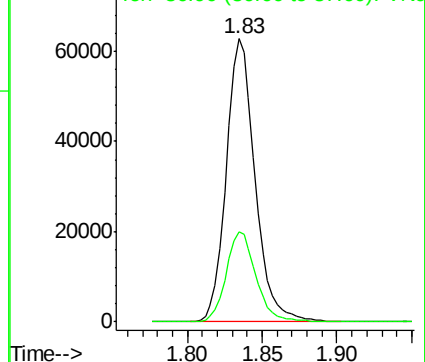
85 100

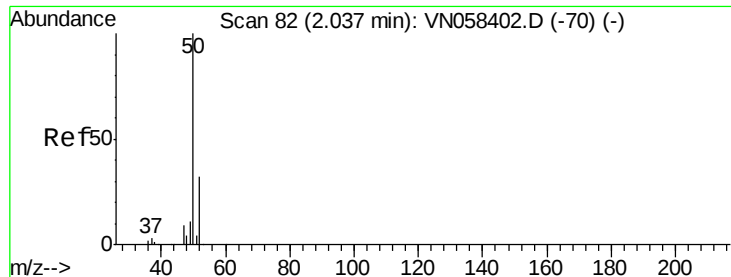
87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.080 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

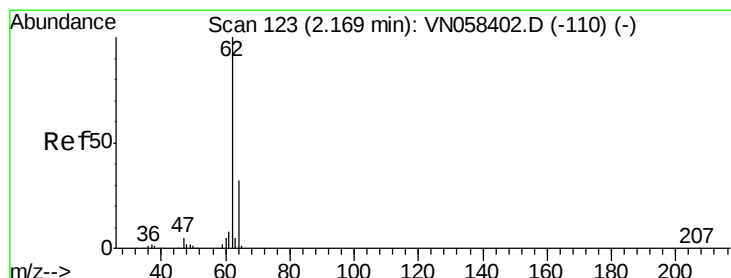
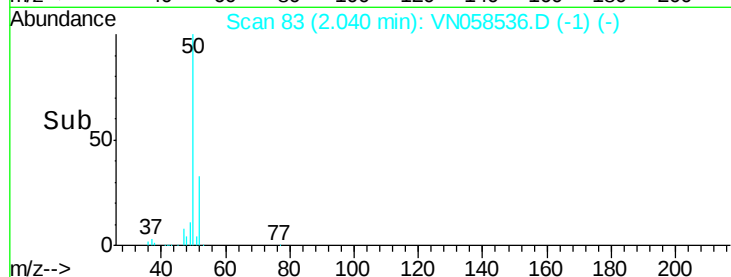
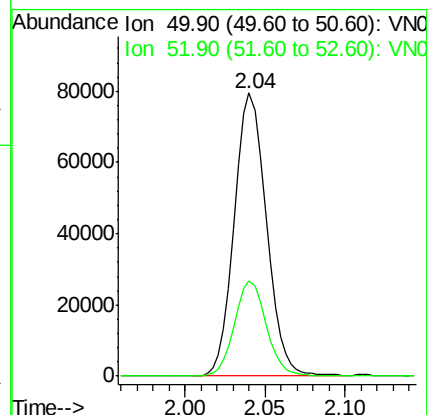
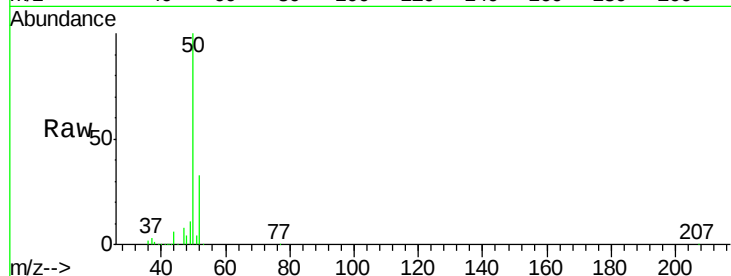
ClientSampled :

Tot Ion: 50 Resp: 108611

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9



#4

Vinyl Chloride

Concen: 20.900 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058536.D

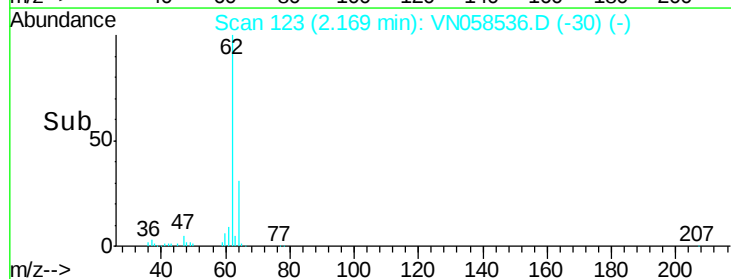
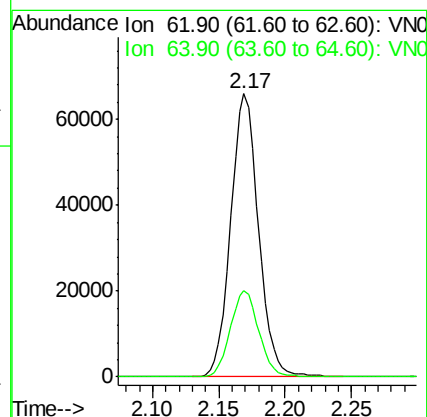
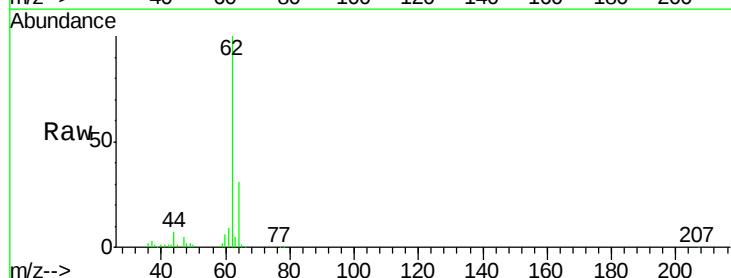
Acq: 4 Oct 2019 13:37

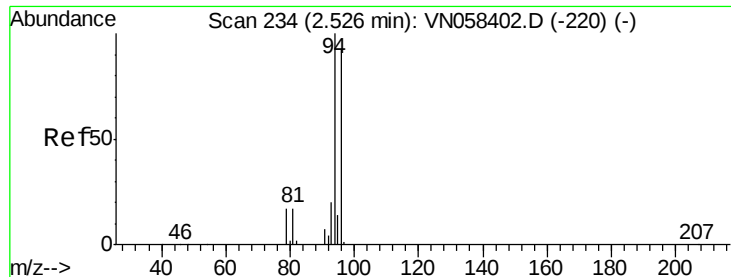
Tgt Ion: 62 Resp: 96348

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 20.000 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

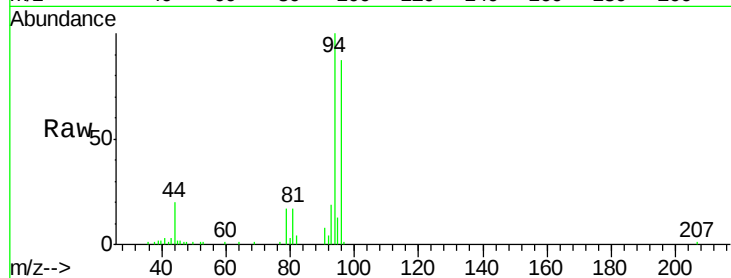
ClientSampled :

Tot Ion: 94 Resp: 48973

Ion Ratio Lower Upper

94 100

96 87.3 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

25000

20000

15000

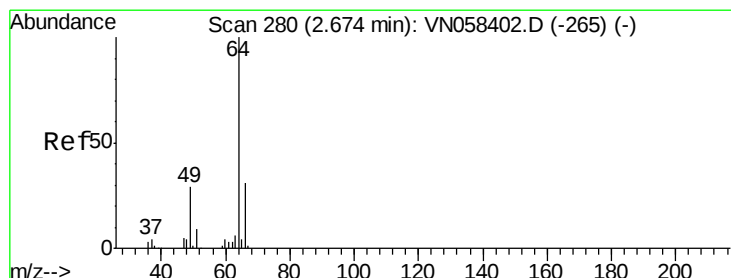
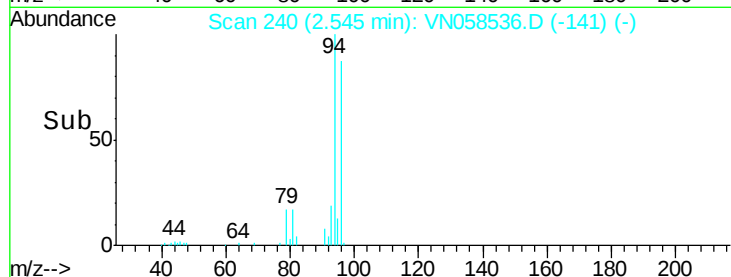
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.684 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058536.D

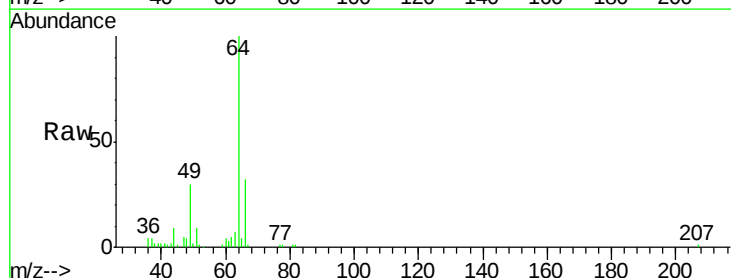
Acq: 4 Oct 2019 13:37

Tgt Ion: 64 Resp: 62658

Ion Ratio Lower Upper

64 100

66 32.1 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

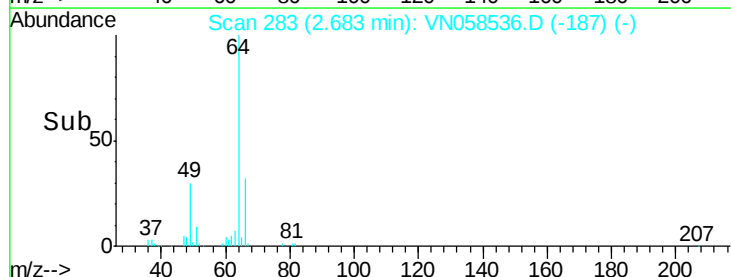
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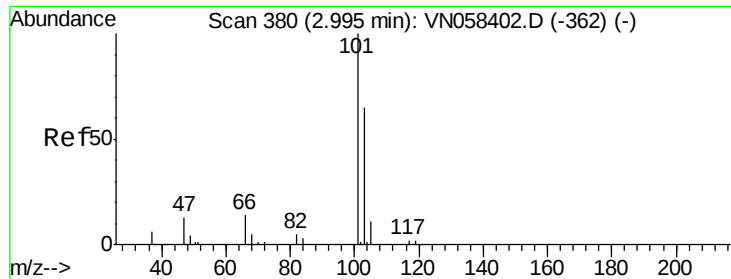
10000

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Time-->

2.60 2.65 2.70 2.75 2.80



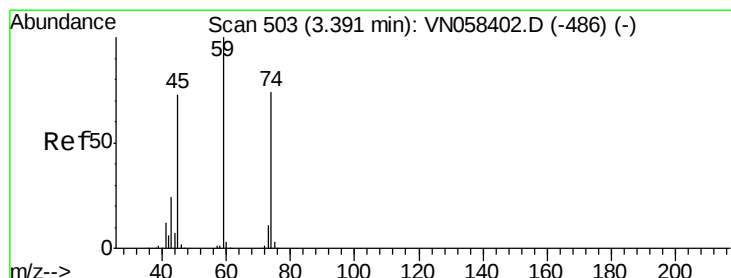
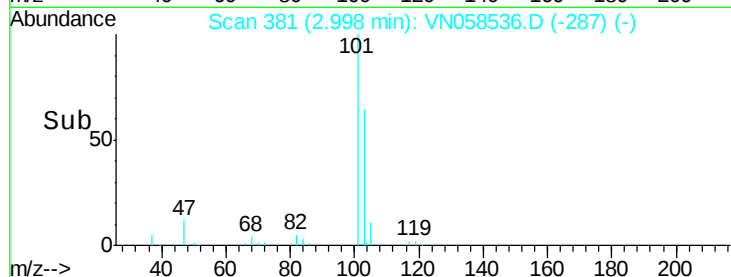
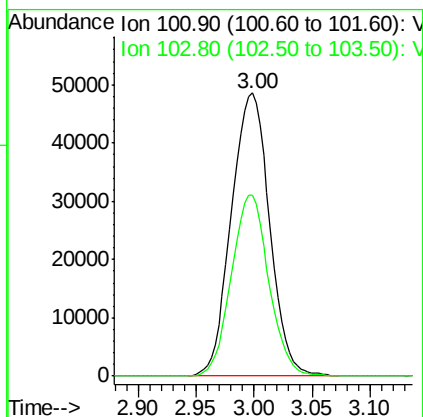
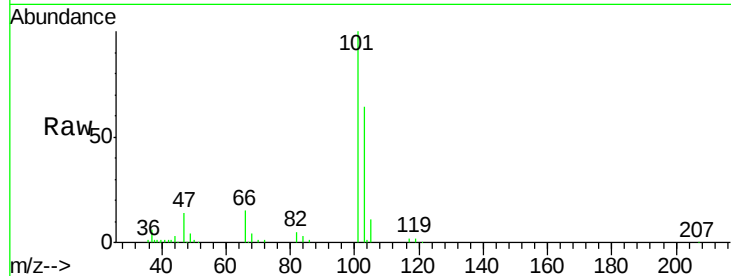


#7

Trichlorofluoromethane
Concen: 19.986 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :

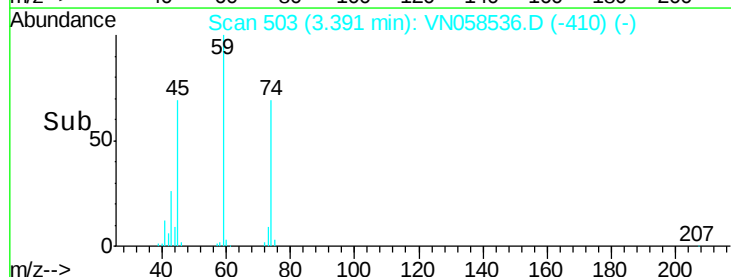
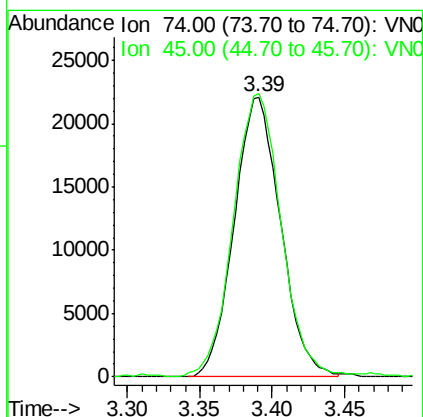
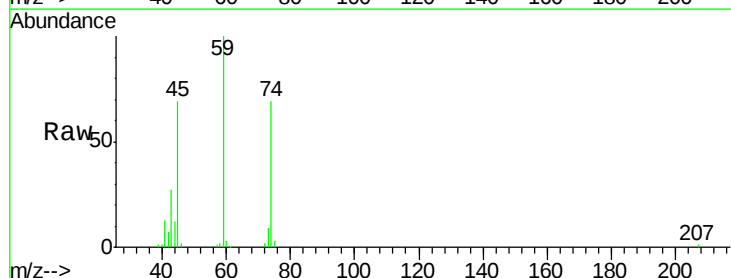
Tot Ion:101 Resp: 111187
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5

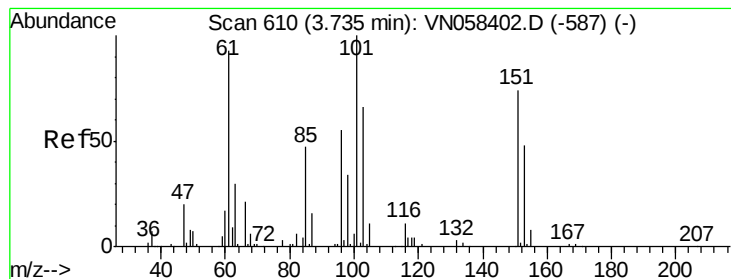


#8

Diethyl Ether
Concen: 20.439 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 74 Resp: 49060
Ion Ratio Lower Upper
74 100
45 104.7 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.811 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

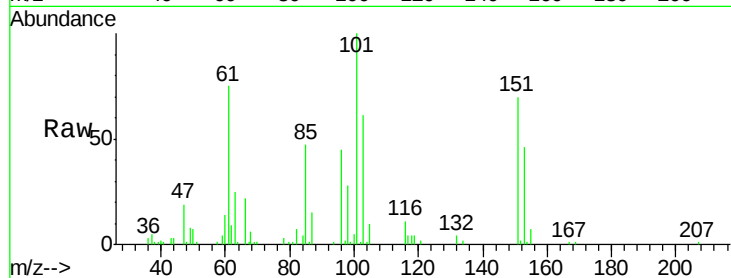
Tot Ion:101 Resp: 74849

Ion Ratio Lower Upper

101 100

85 49.2 36.7 55.1

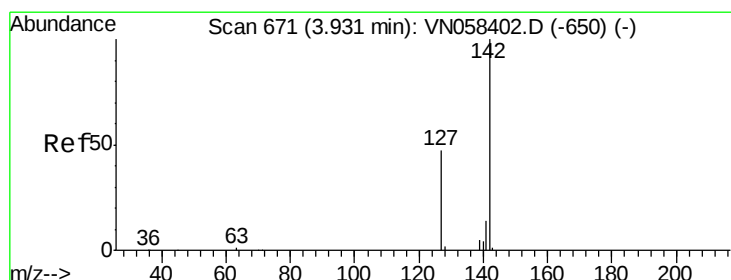
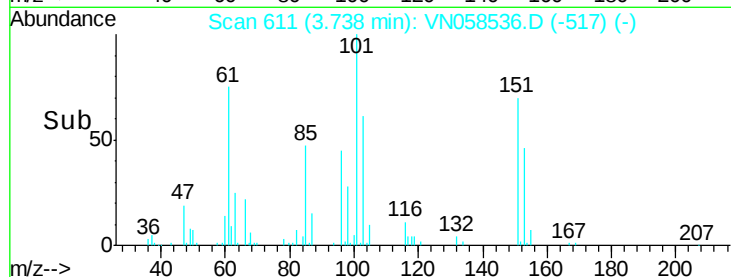
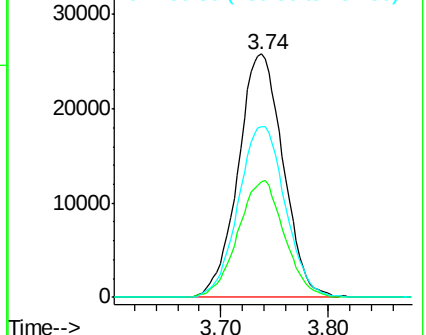
151 73.4 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.936 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

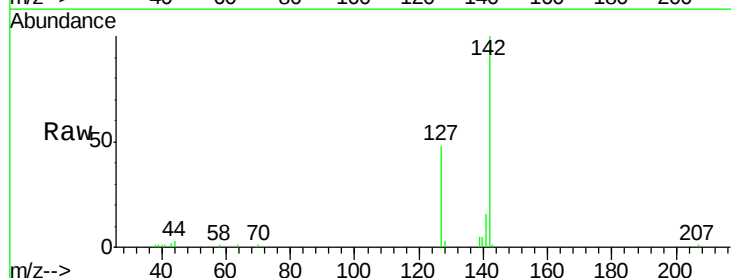
Tgt Ion:142 Resp: 62571

Ion Ratio Lower Upper

142 100

127 48.8 37.2 55.8

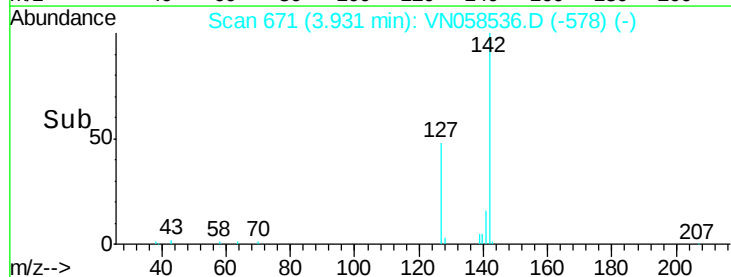
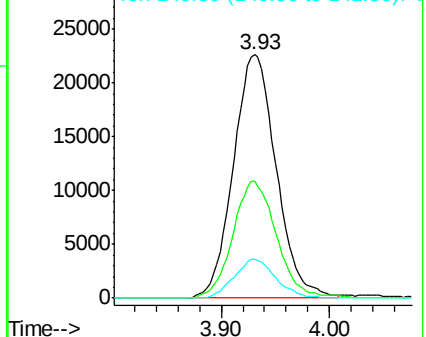
141 15.4 11.3 16.9

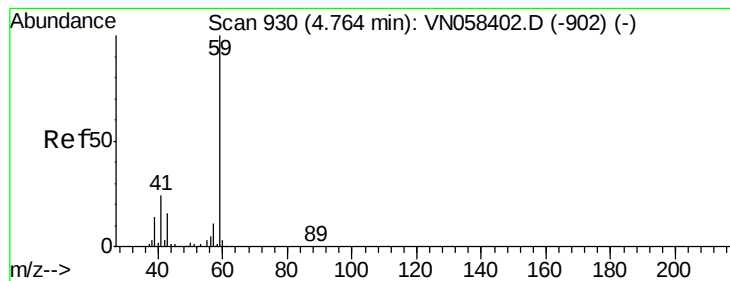


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



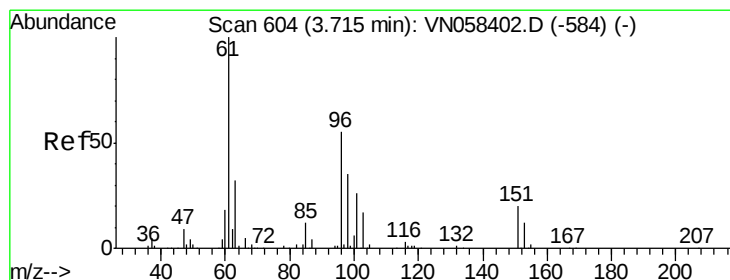
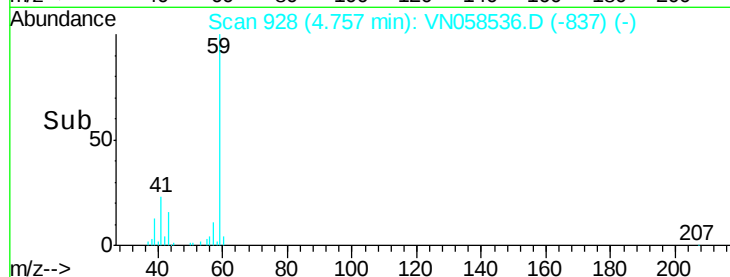
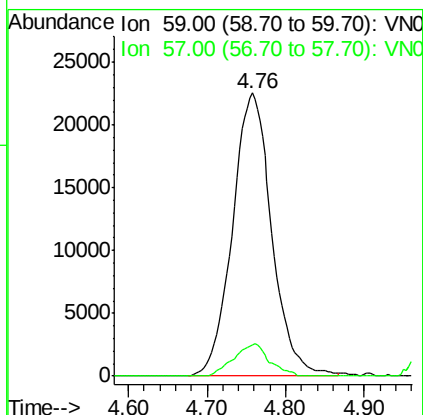
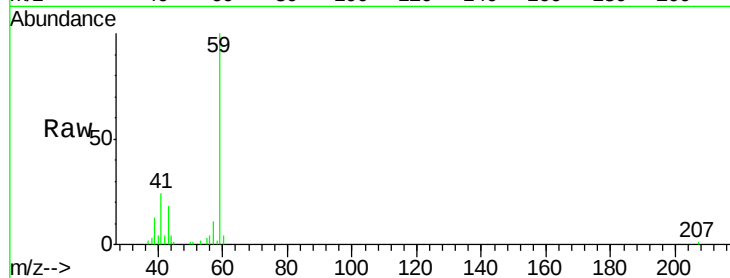


#11

Tert butyl alcohol
 Concen: 124.366 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :

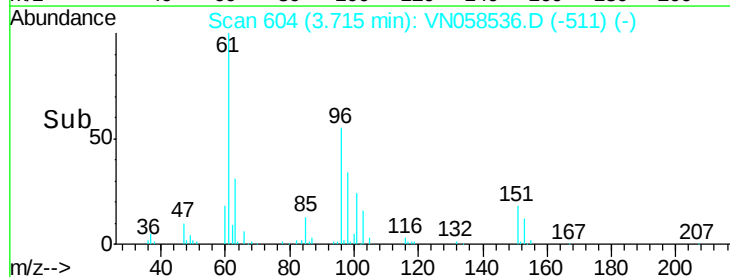
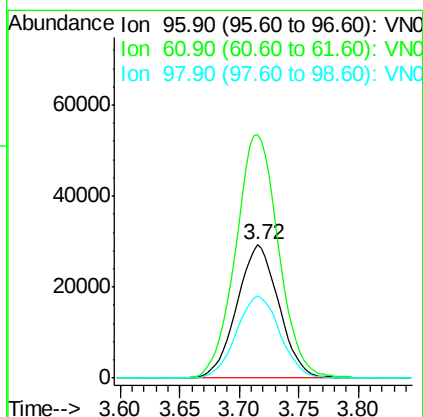
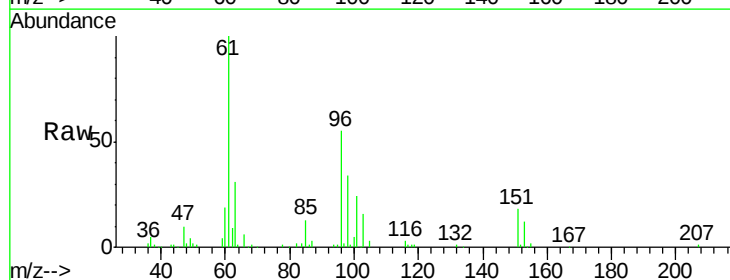
Tot Ion: 59 Resp: 78818
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.0 13.4

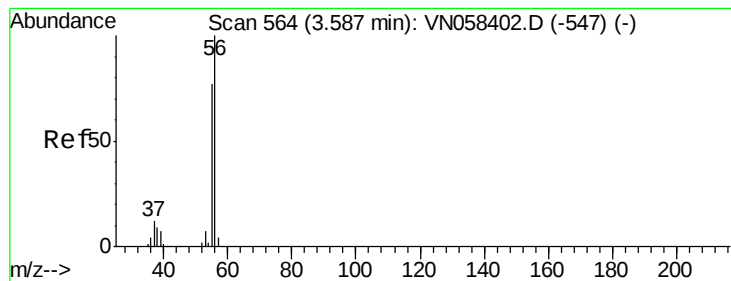


#12

1,1-Dichloroethene
 Concen: 19.450 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 96 Resp: 71626
 Ion Ratio Lower Upper
 96 100
 61 181.9 146.7 220.1
 98 61.3 51.3 76.9





#13

Acrolein

Concen: 116.137 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

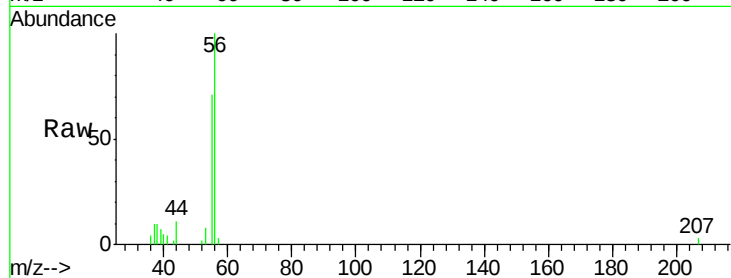
ClientSampled :

Tot Ion: 56 Resp: 23410

Ion Ratio Lower Upper

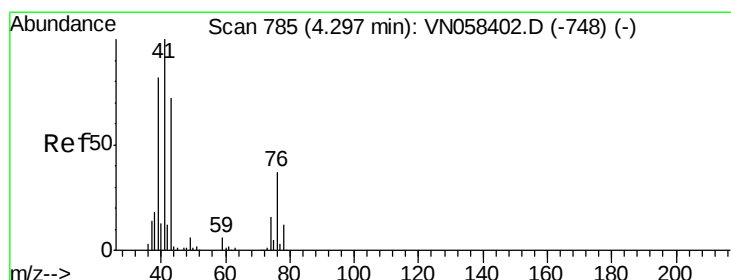
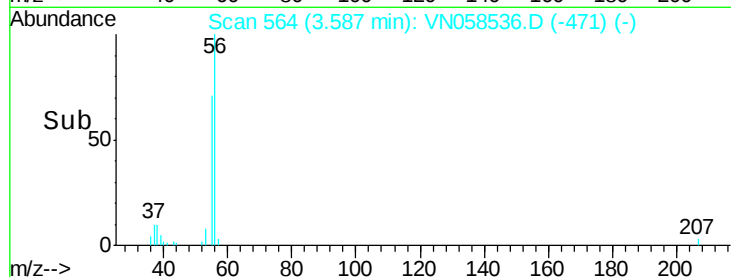
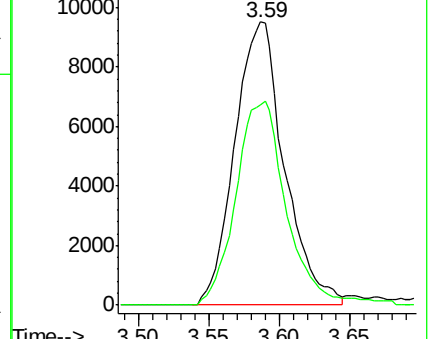
56 100

55 73.6 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.031 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

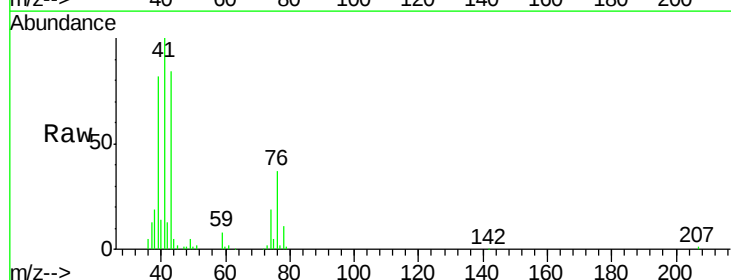
Tgt Ion: 41 Resp: 140947

Ion Ratio Lower Upper

41 100

39 75.6 62.3 93.5

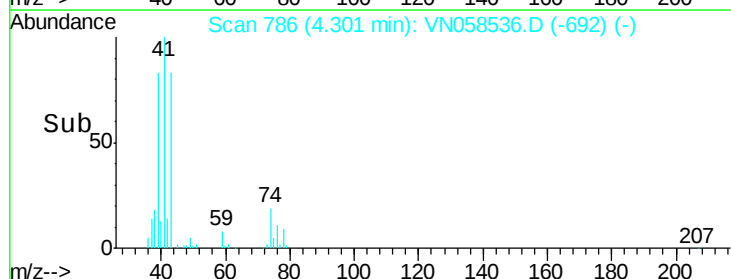
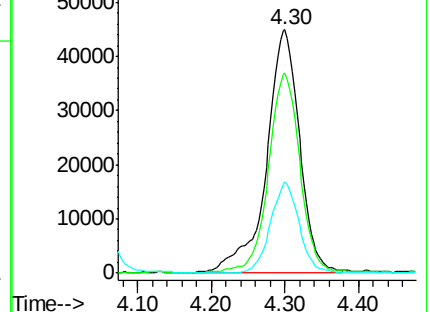
76 32.0 26.9 40.3

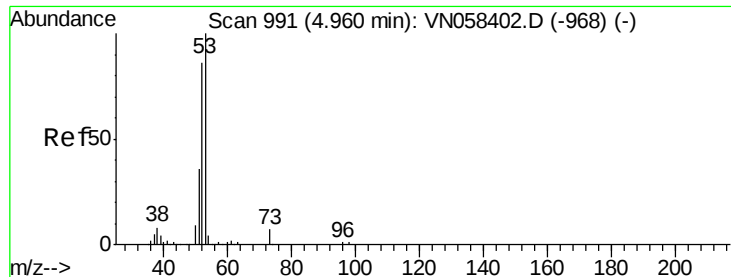


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 114.553 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

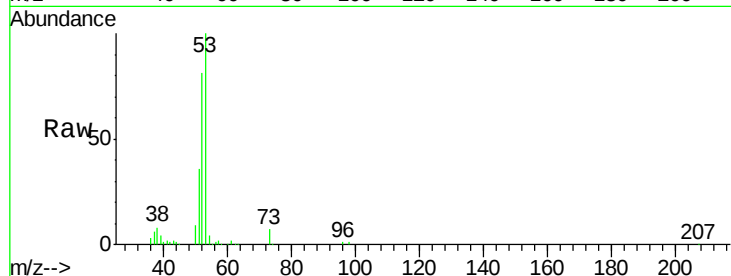
Tot Ion: 53 Resp: 211584

Ion Ratio Lower Upper

53 100

52 80.9 66.6 100.0

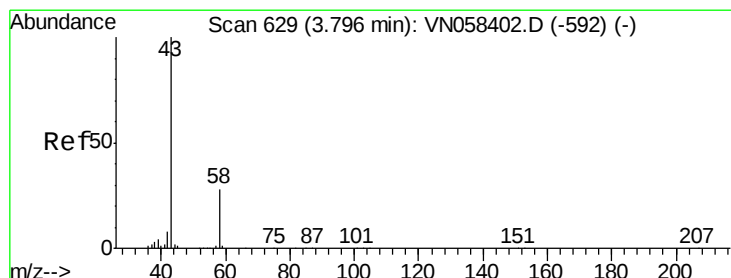
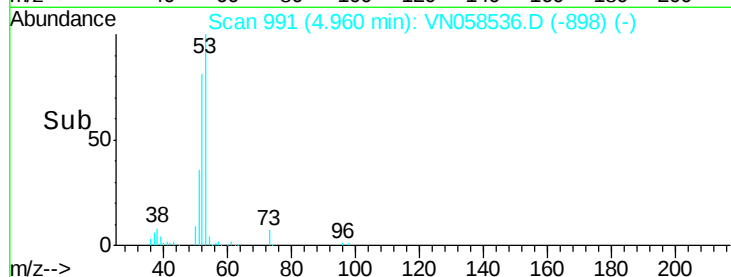
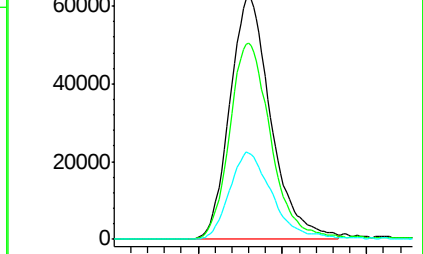
51 37.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN058402.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058402.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058402.D (-968) (-)



#16

Acetone

Concen: 99.555 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058536.D

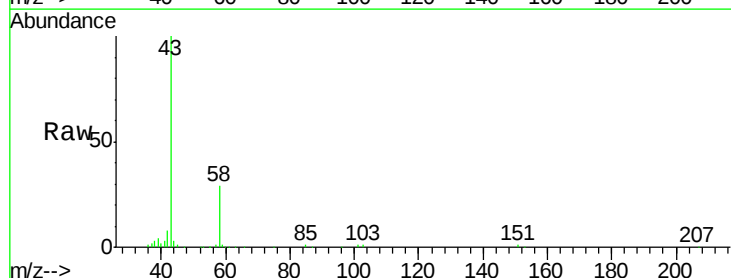
Acq: 4 Oct 2019 13:37

Tgt Ion: 43 Resp: 193605

Ion Ratio Lower Upper

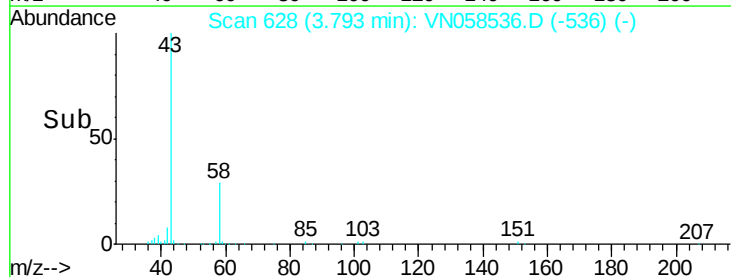
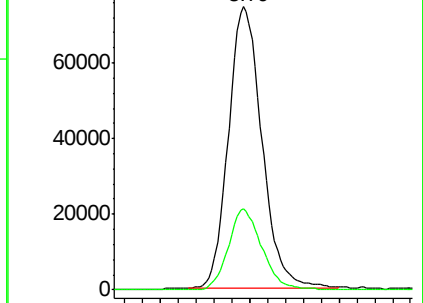
43 100

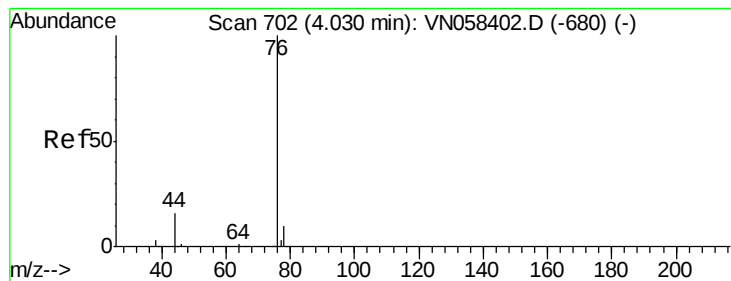
58 29.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-592) (-)





#17

Carbon Disulfide

Concen: 19.313 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

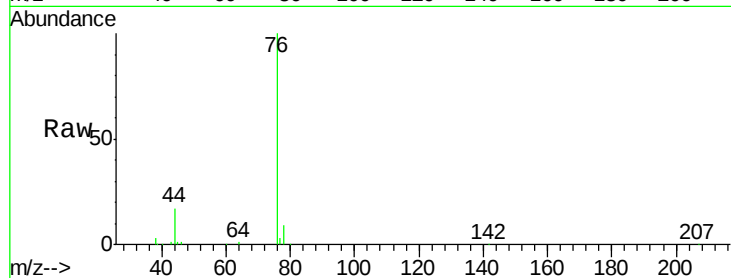
ClientSampleId :

Tot Ion: 76 Resp: 187480

Ion Ratio Lower Upper

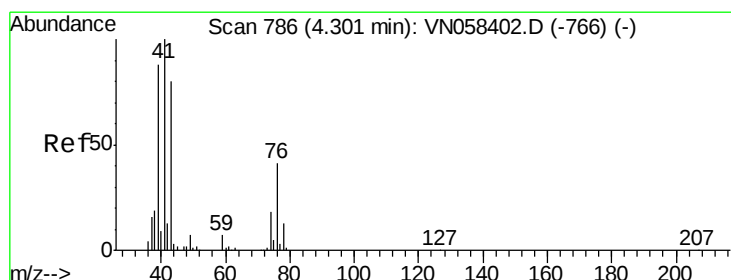
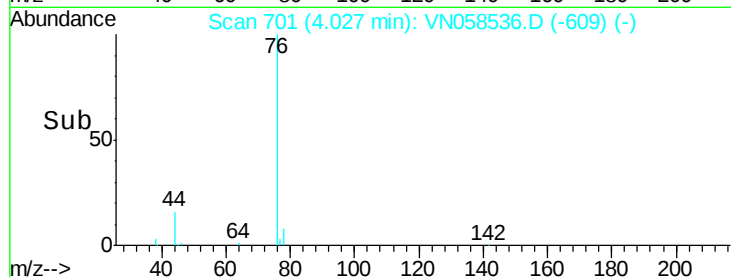
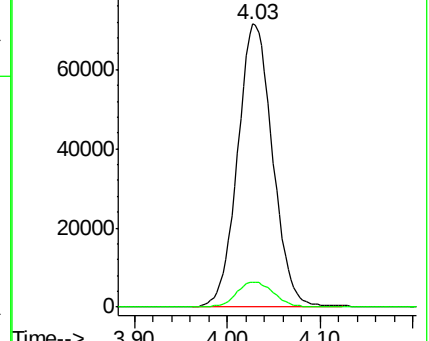
76 100

78 8.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.799 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058536.D

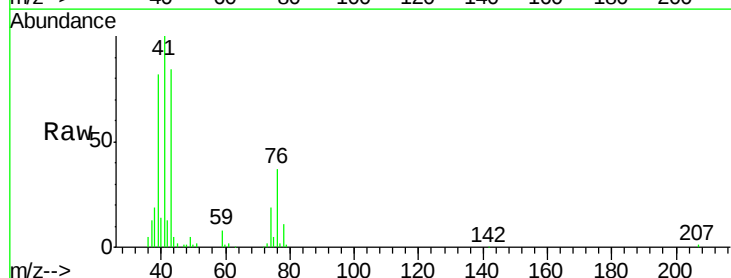
Acq: 4 Oct 2019 13:37

Tgt Ion: 43 Resp: 106625

Ion Ratio Lower Upper

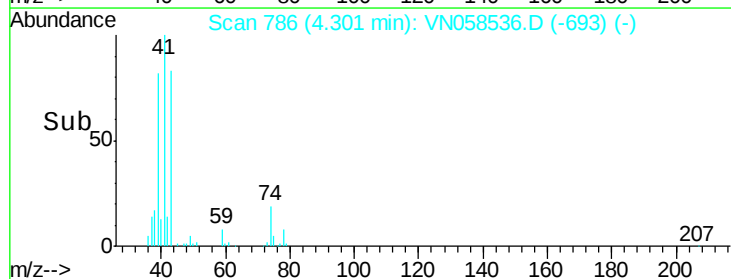
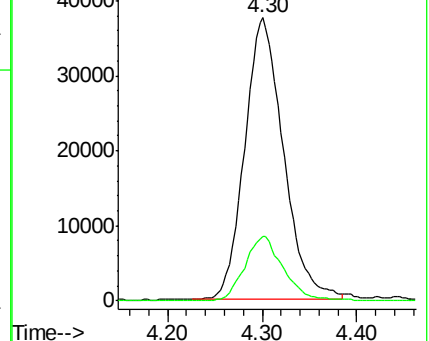
43 100

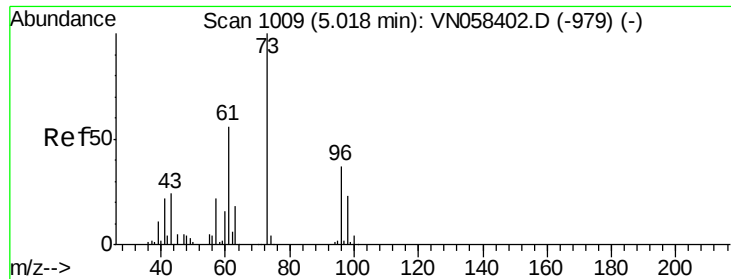
74 22.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

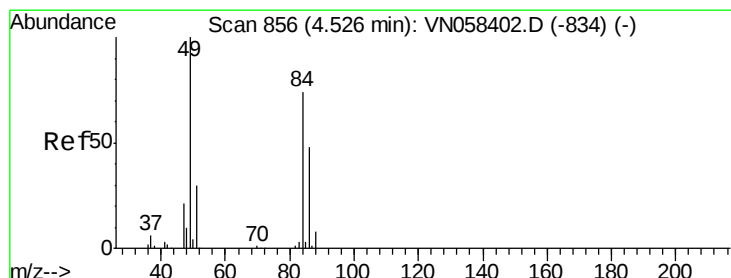
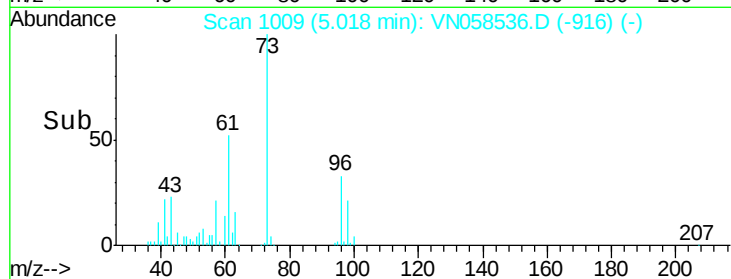
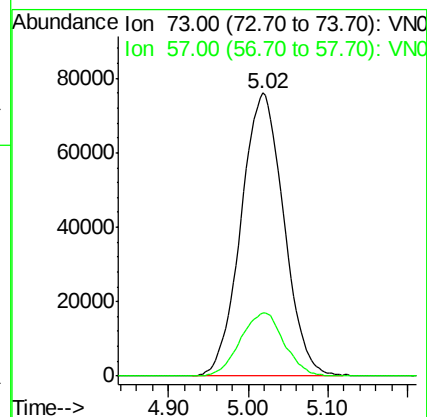
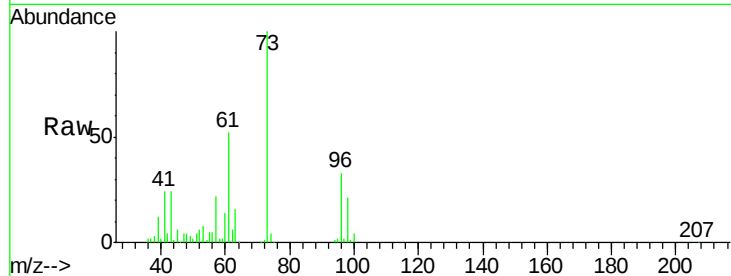




#19
Methvl tert-butvl Ether
Concen: 21.304 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

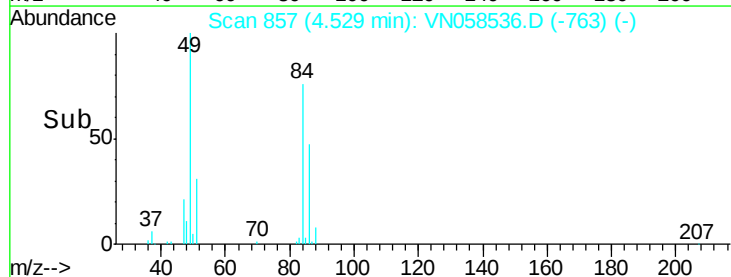
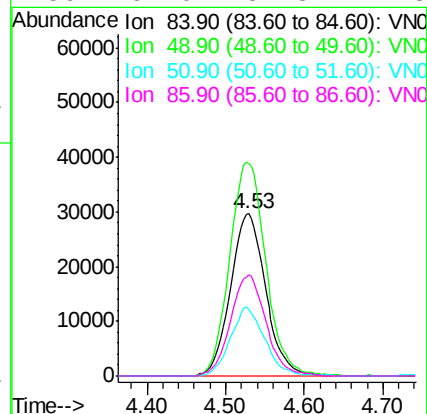
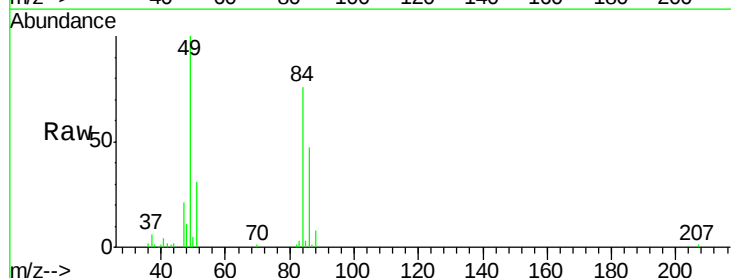
Instrument :
MSVOA_N
ClientSampled :

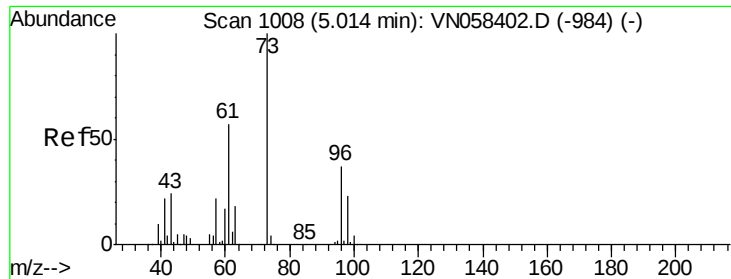
Tot Ion: 73 Resp: 276825
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4



#20
Methylene Chloride
Concen: 20.608 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 84 Resp: 92484
Ion Ratio Lower Upper
84 100
49 130.9 107.9 161.9
51 40.9 32.8 49.2
86 62.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.875 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

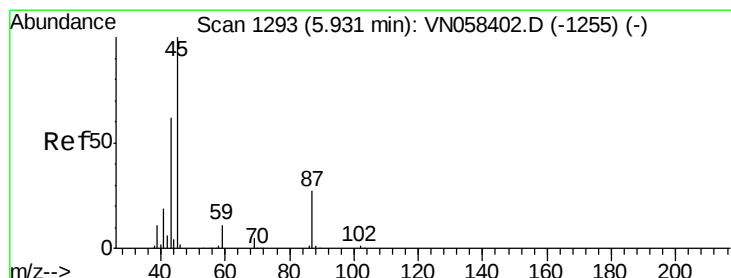
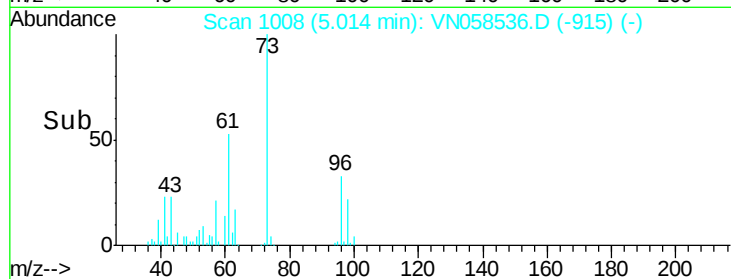
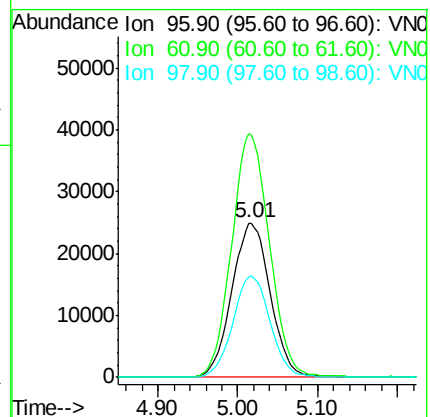
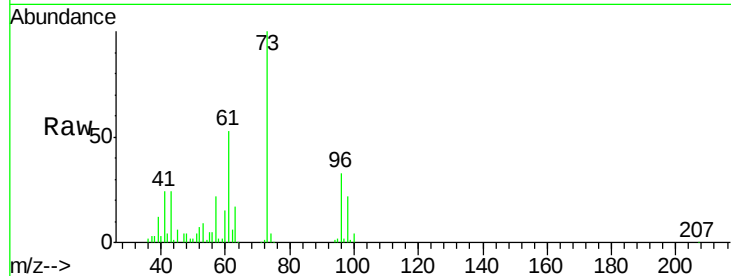
Tot Ion: 96 Resp: 81391

Ion Ratio Lower Upper

96 100

61 157.8 121.9 182.9

98 65.1 49.3 73.9



#22

Diisopropyl ether

Concen: 21.000 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion: 45 Resp: 302855

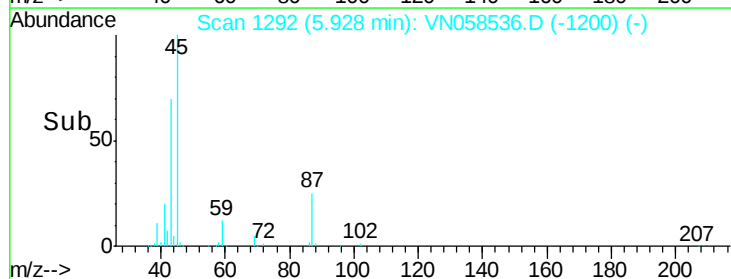
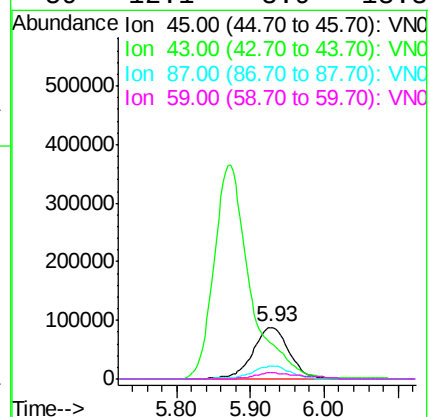
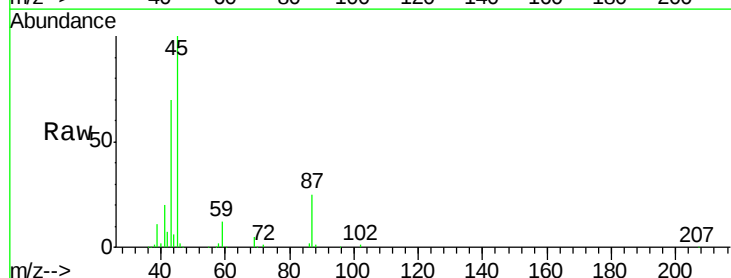
Ion Ratio Lower Upper

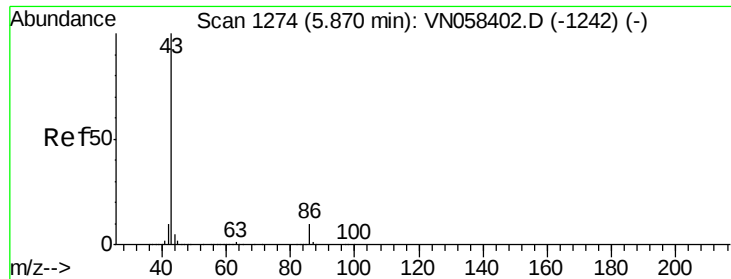
45 100

43 67.8 49.7 74.5

87 24.5 21.5 32.3

59 12.1 8.9 13.3





#23

Vinyl Acetate

Concen: 114.010 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

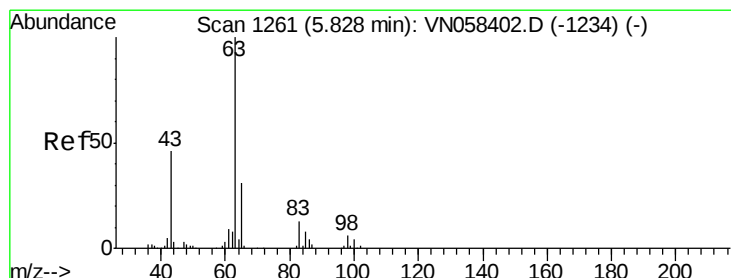
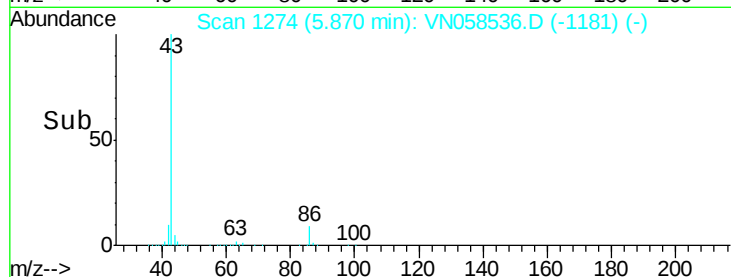
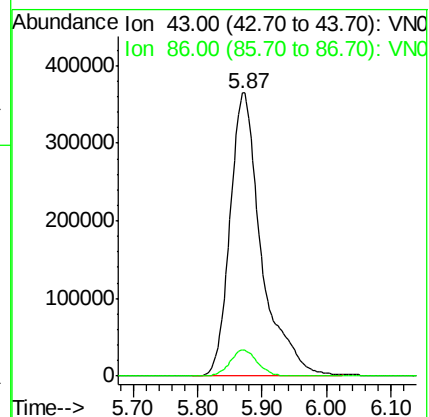
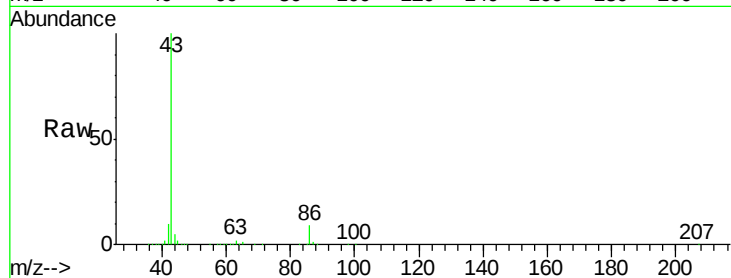
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1239778

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 21.330 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

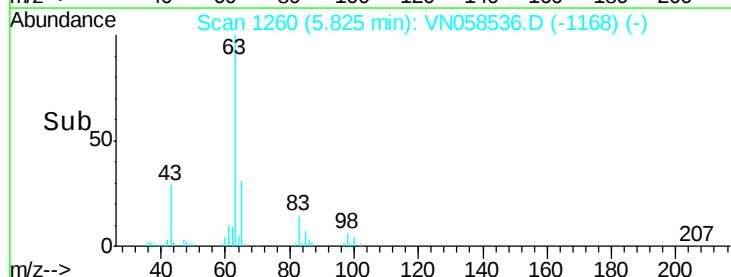
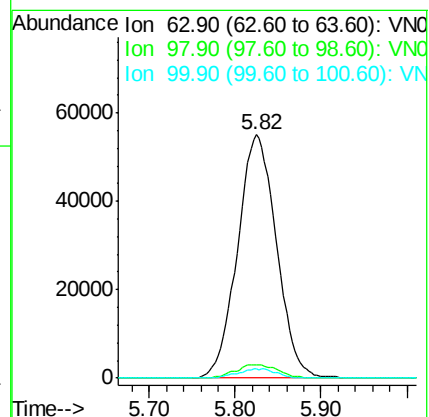
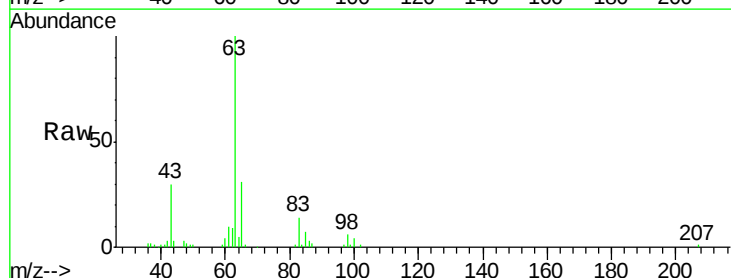
Tgt Ion: 63 Resp: 173123

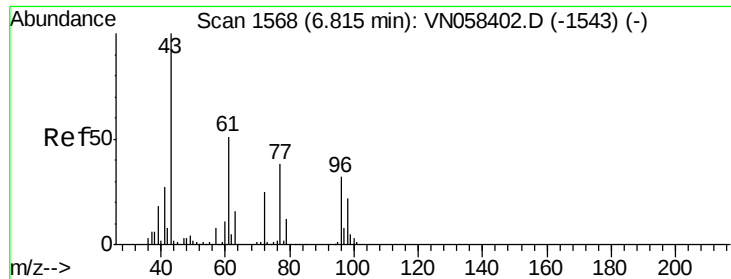
Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.0

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 106.643 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

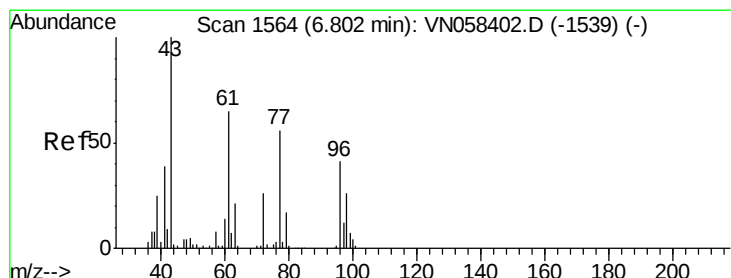
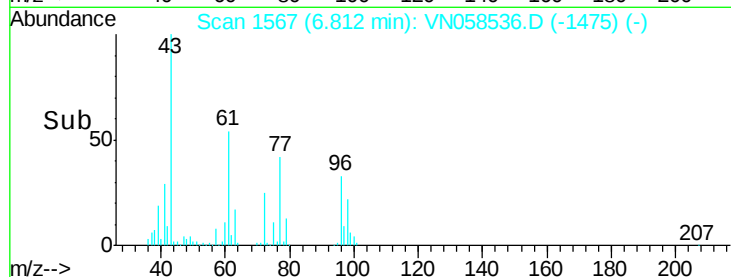
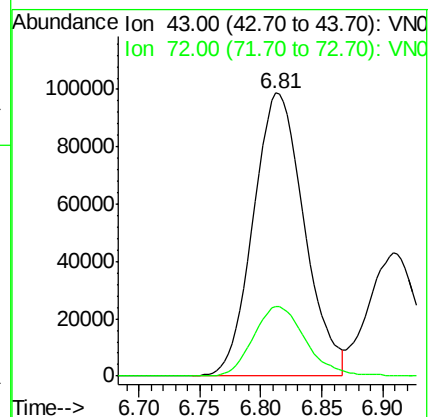
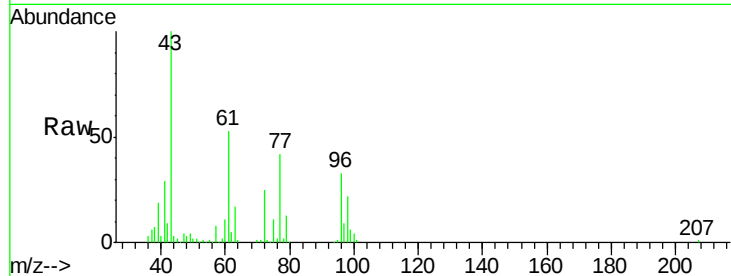
ClientSampled :

Tot Ion: 43 Resp: 284740

Ion Ratio Lower Upper

43 100

72 24.6 20.2 30.4



#26

2,2-Dichloropropane

Concen: 21.462 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058536.D

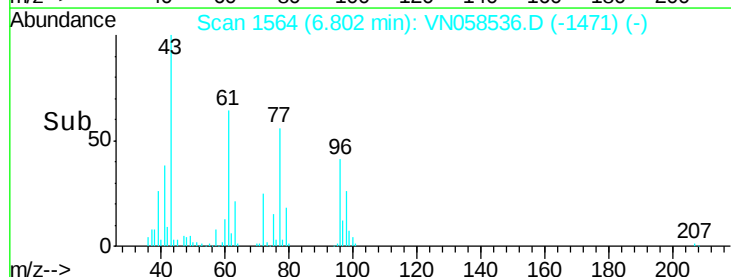
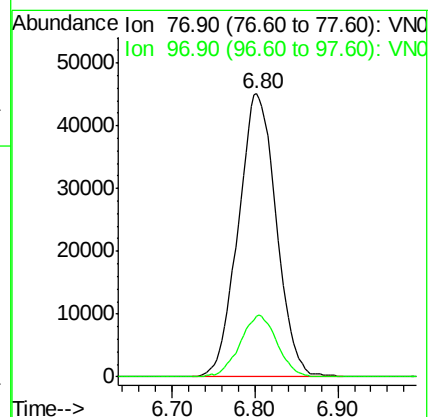
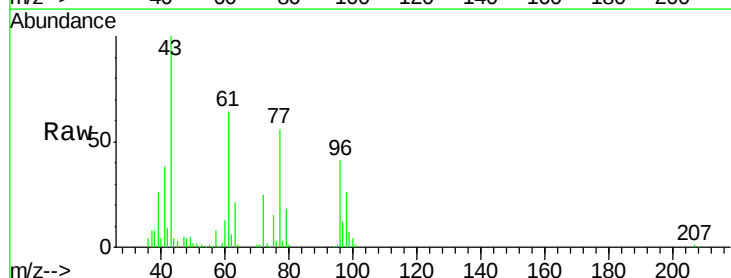
Acq: 4 Oct 2019 13:37

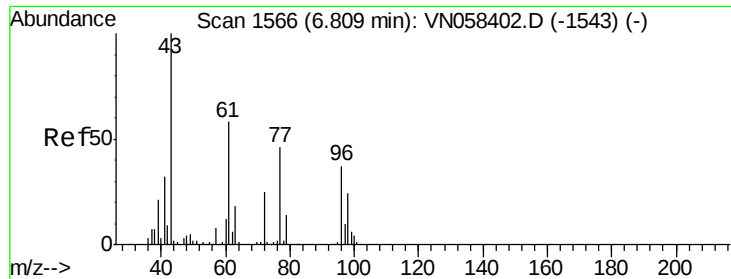
Tgt Ion: 77 Resp: 143211

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.670 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

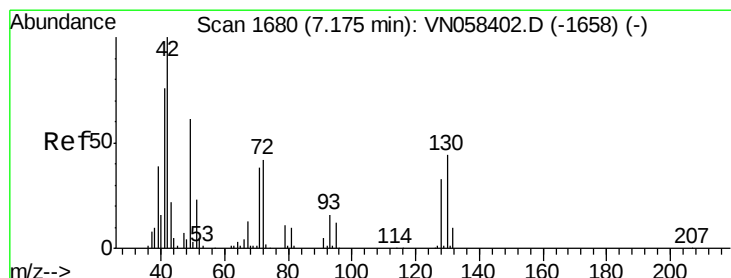
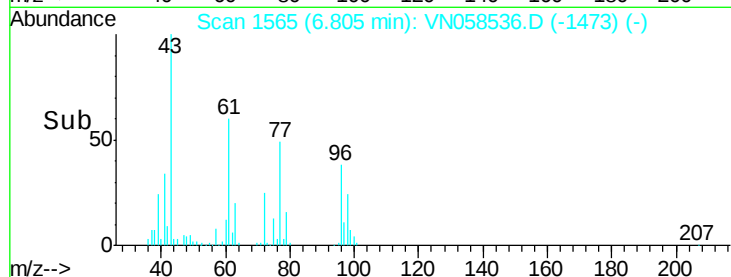
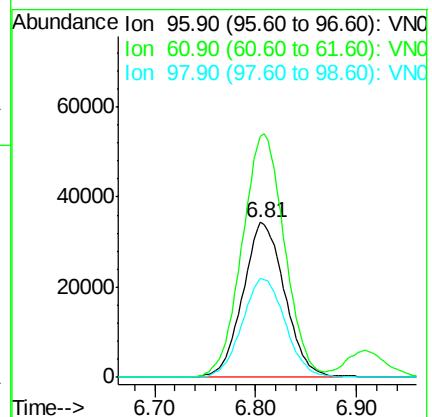
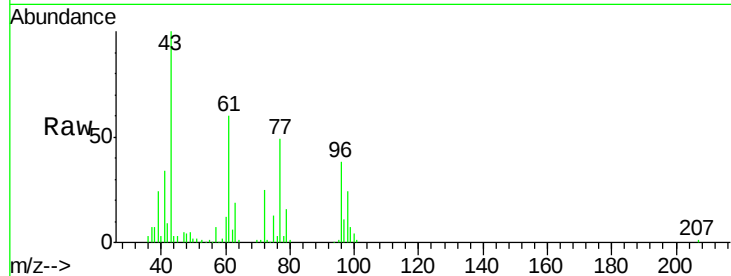
Tot Ion: 96 Resp: 98933

Ion Ratio Lower Upper

96 100

61 158.6 0.0 318.8

98 65.6 0.0 129.8



#28

Bromochloromethane

Concen: 21.417 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

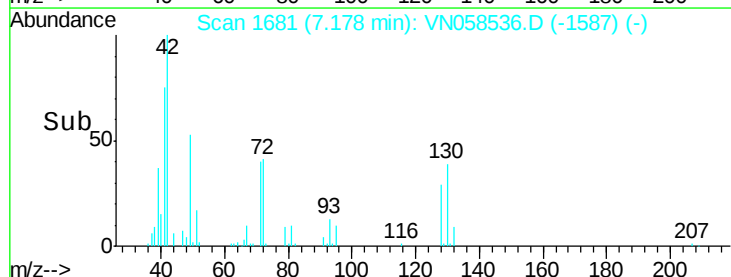
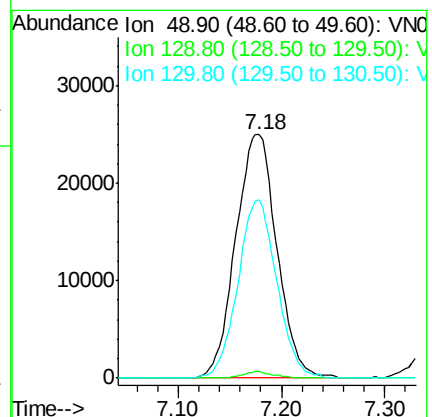
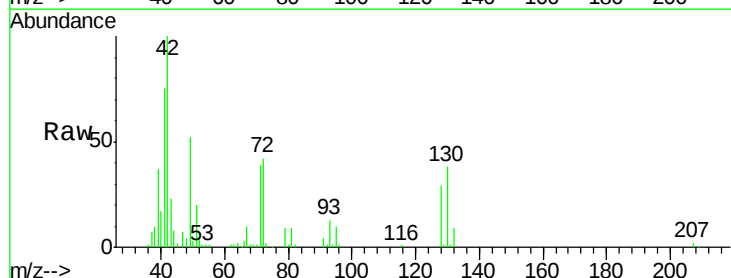
Tgt Ion: 49 Resp: 69487

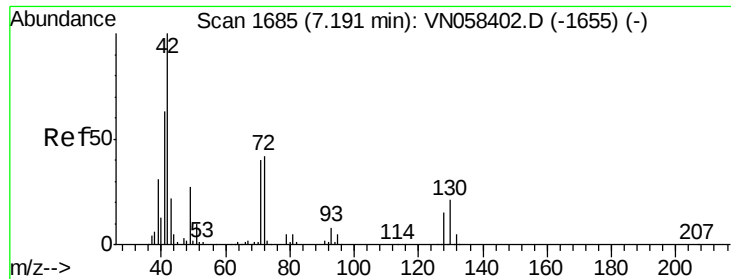
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 68.9 56.3 84.5

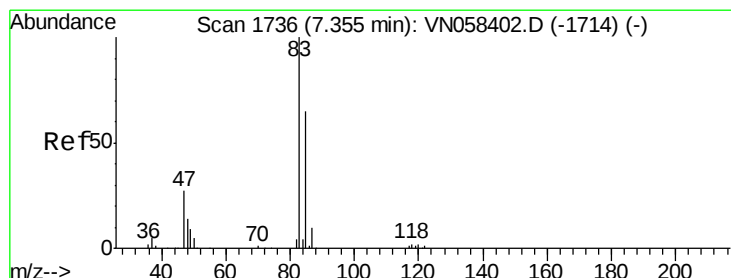
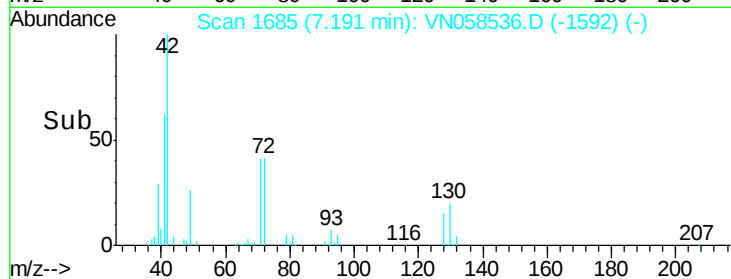
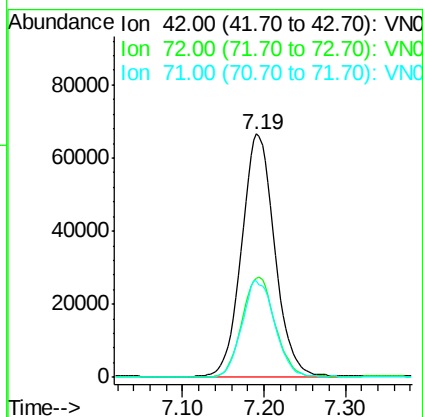
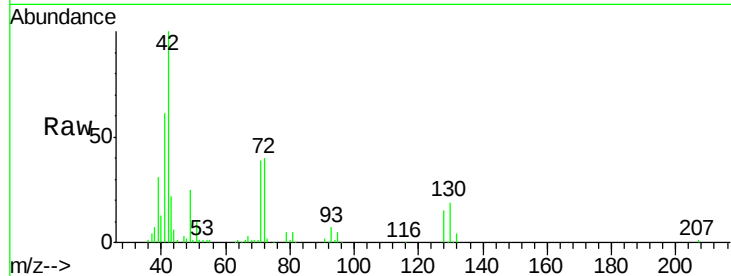




#29
Tetrahydrofuran
Concen: 110.692 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

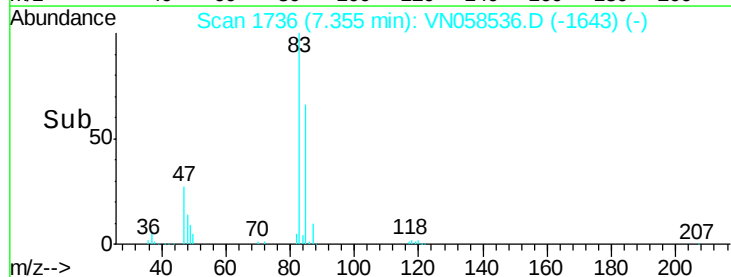
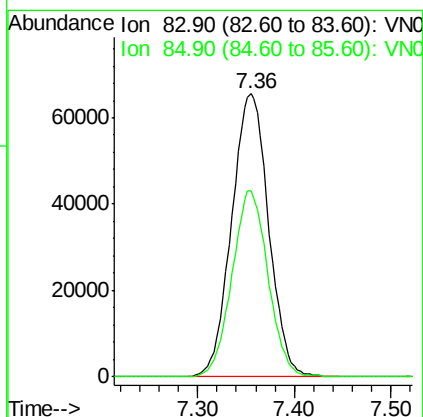
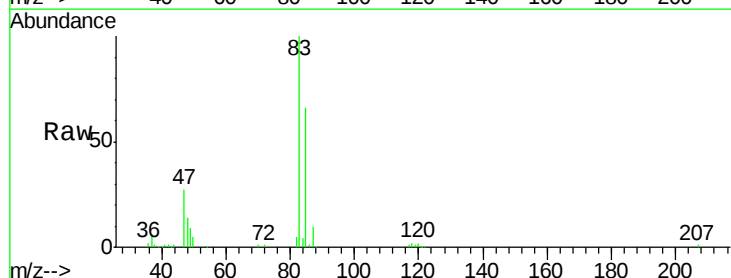
Instrument :
MSVOA_N
ClientSampled :

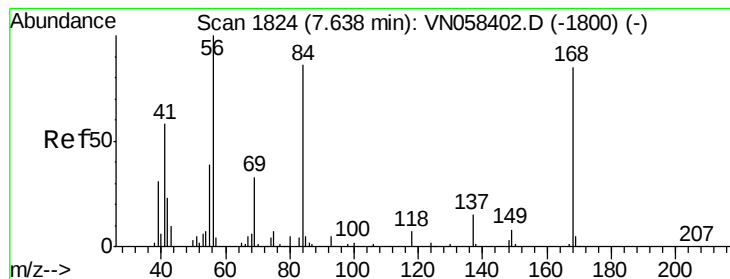
Tot Ion: 42 Resp: 187583
Ion Ratio Lower Upper
42 100
72 41.1 33.7 50.5
71 39.2 31.8 47.6



#30
Chloroform
Concen: 21.176 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 83 Resp: 174165
Ion Ratio Lower Upper
83 100
85 66.0 52.0 78.0





#31

Cyclohexane

Concen: 19.159 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :

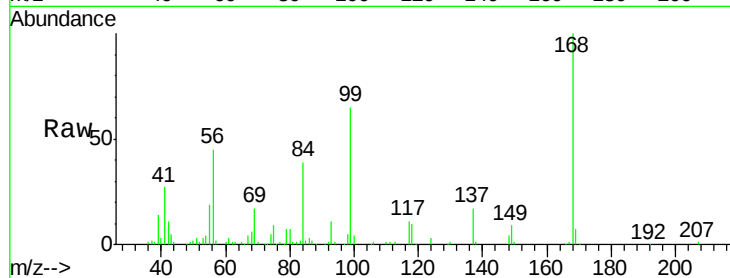
Tot Ion: 56 Resp: 151262

Ion Ratio Lower Upper

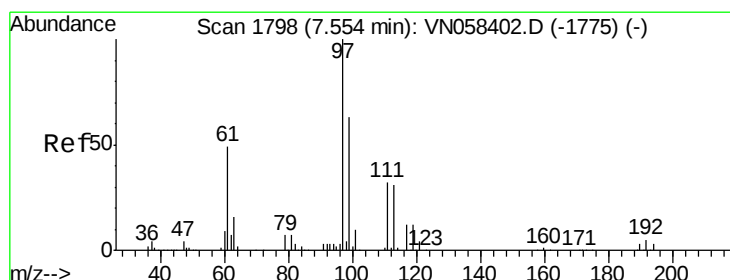
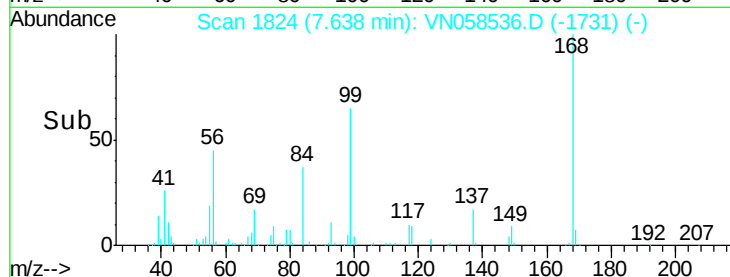
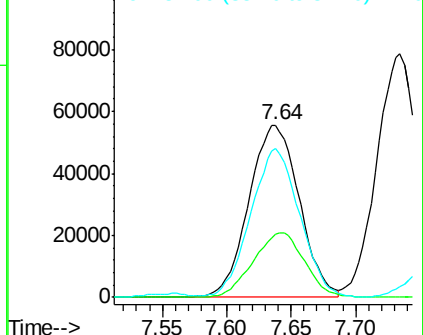
56 100

69 36.4 26.2 39.4

84 85.1 67.6 101.4



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: 21.577 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

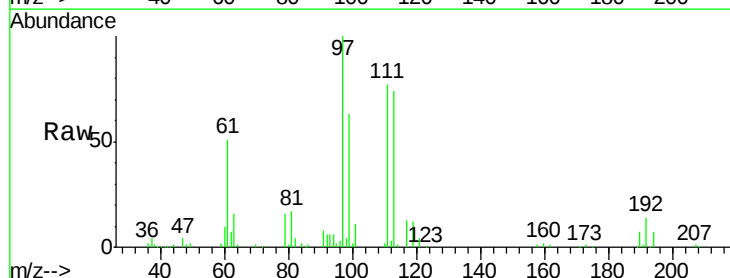
Tgt Ion: 97 Resp: 145732

Ion Ratio Lower Upper

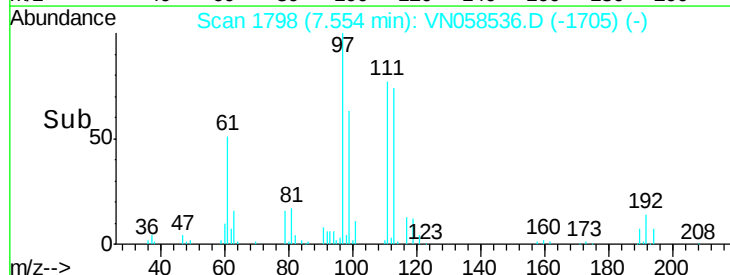
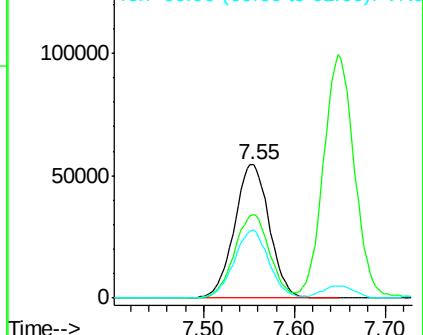
97 100

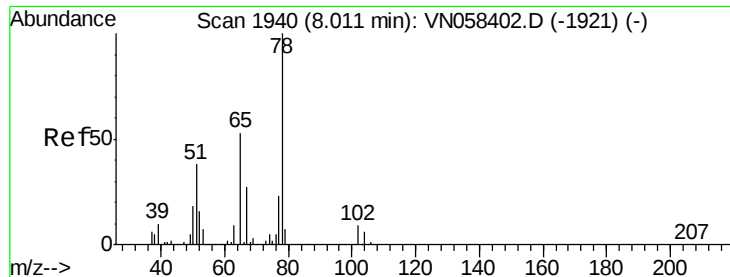
99 63.0 51.1 76.7

61 50.6 39.2 58.8



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

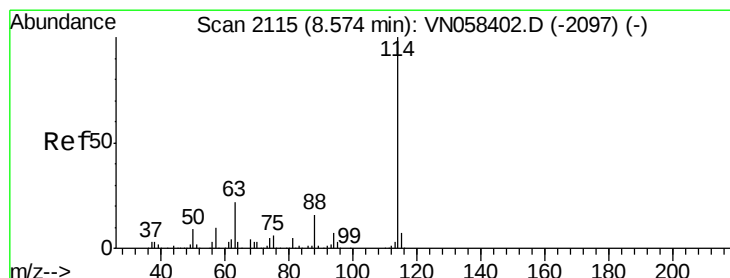
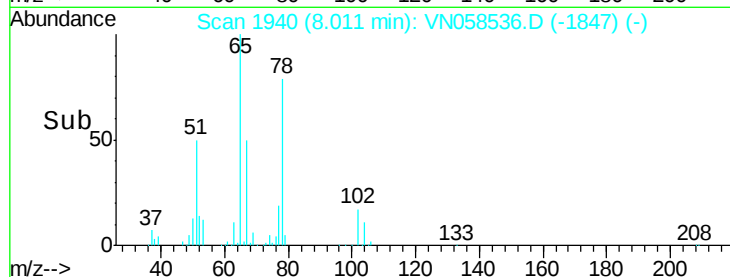
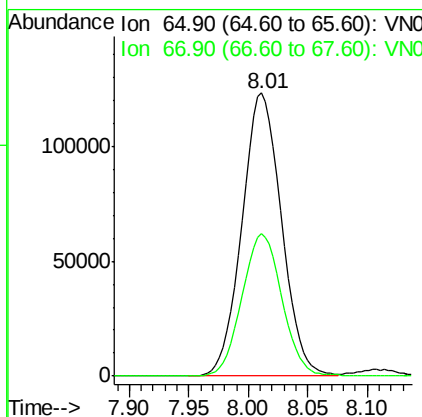
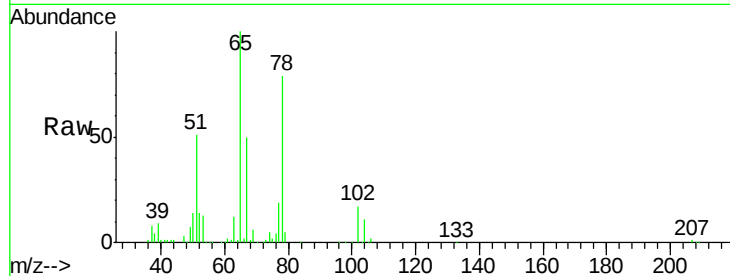




#33
 1,2-Dichloroethane-d4
 Concen: 49.752 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

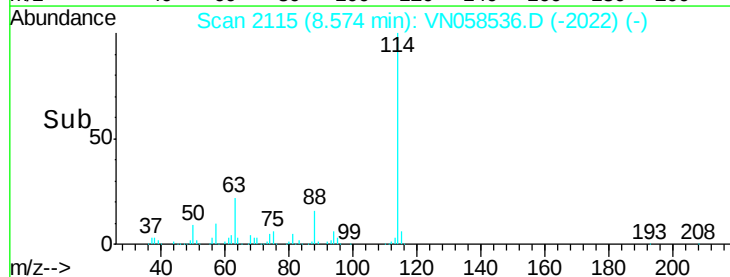
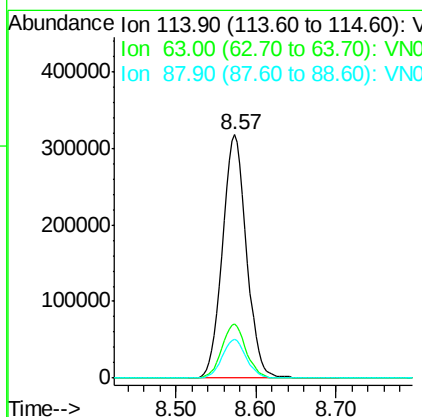
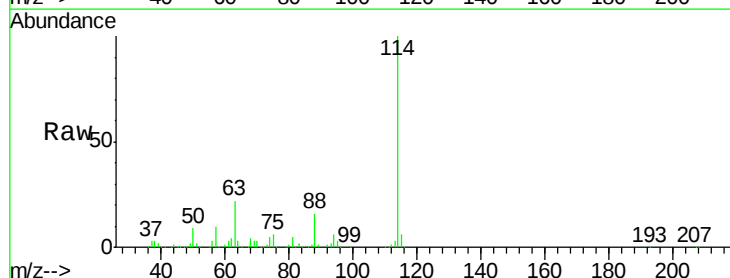
Instrument :
 MSVOA_N
 ClientSampled :

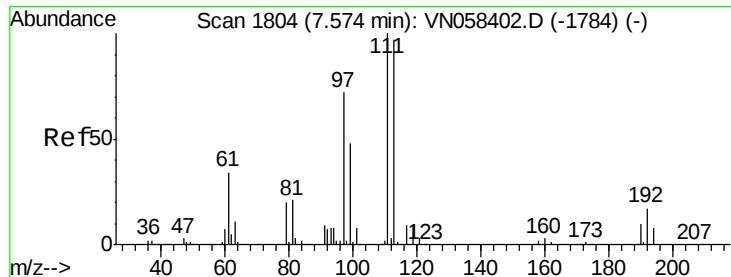
Tot Ion: 65 Resp: 283825
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 114 Resp: 656781
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 15.7 0.0 32.2

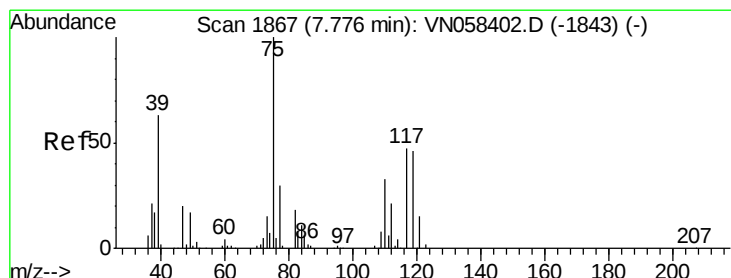
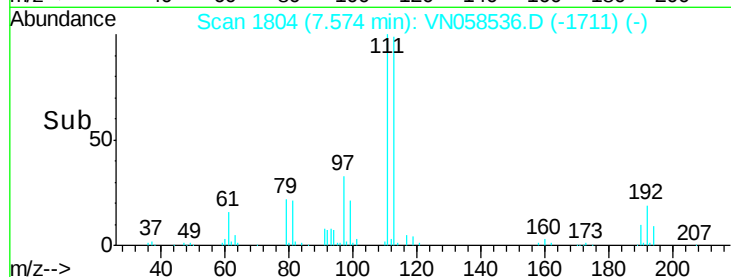
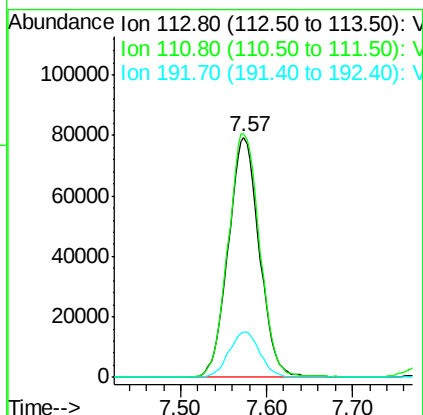
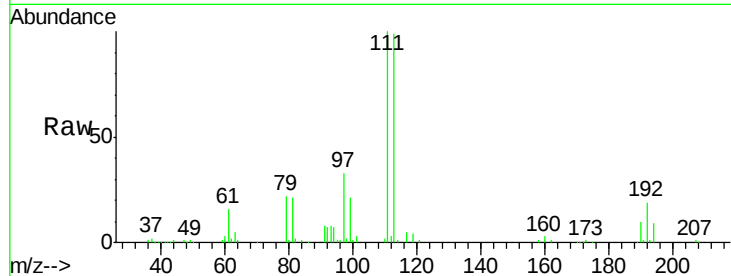




#35
 Dibromofluoromethane
 Concen: 49.486 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

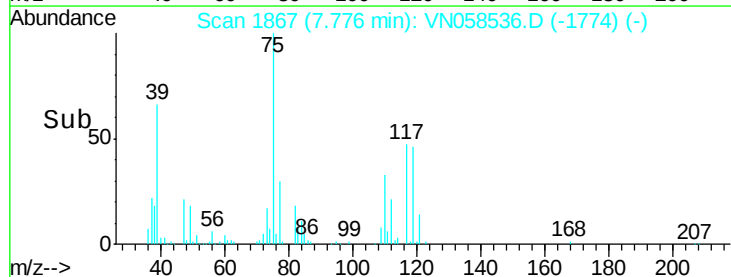
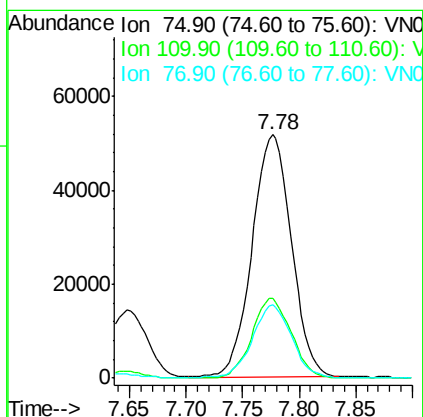
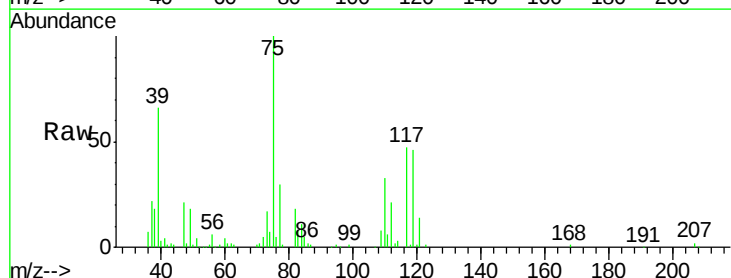
Instrument :
 MSVOA_N
 ClientSampled :

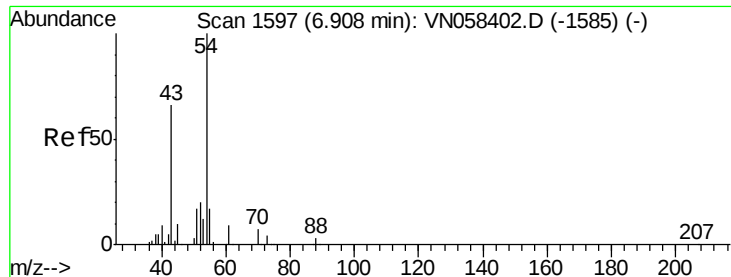
Tot Ion:113 Resp: 199199
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 18.8 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 19.823 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 75 Resp: 124490
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.4 49.2
 77 30.3 24.3 36.5

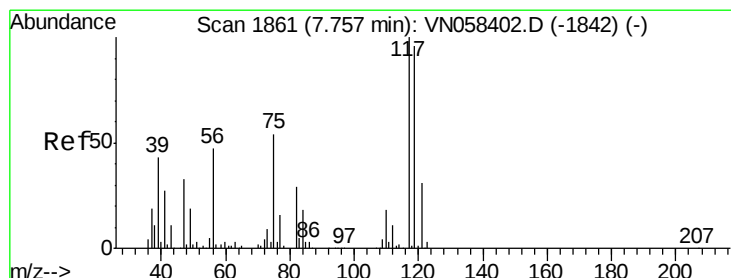
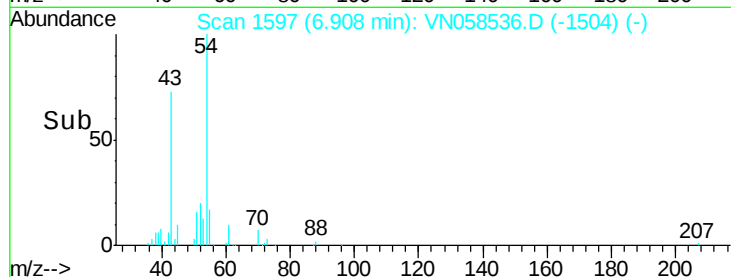
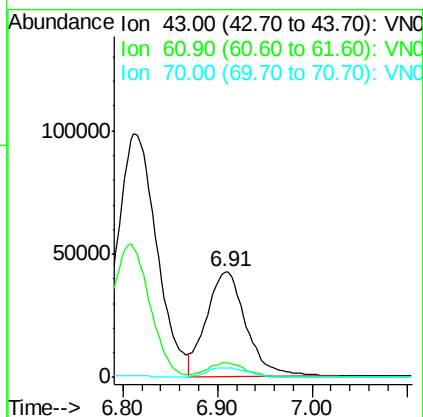
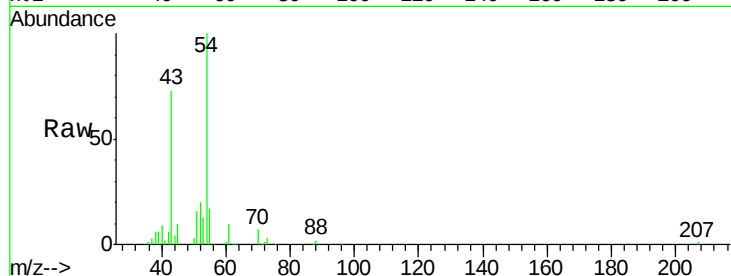




#37
Ethyl Acetate
Concen: 23.186 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

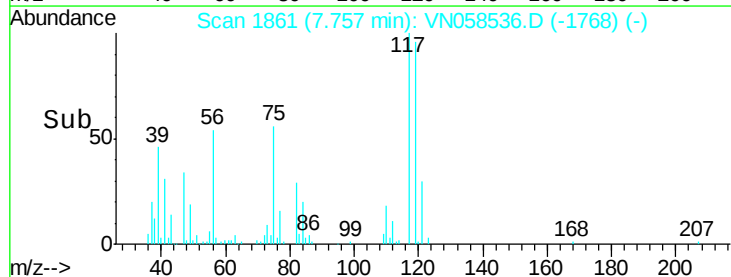
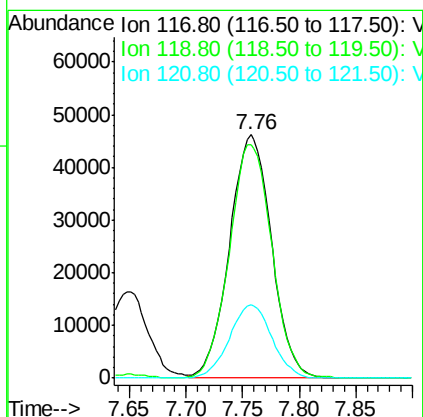
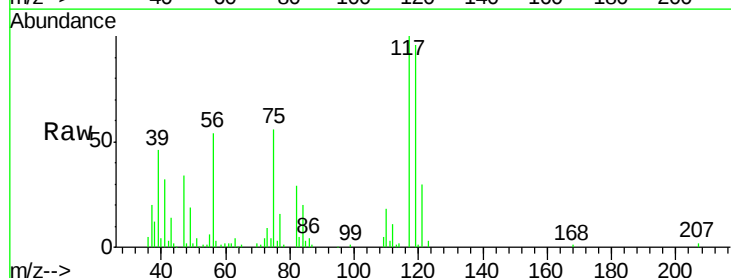
Instrument :
MSVOA_N
ClientSampled :

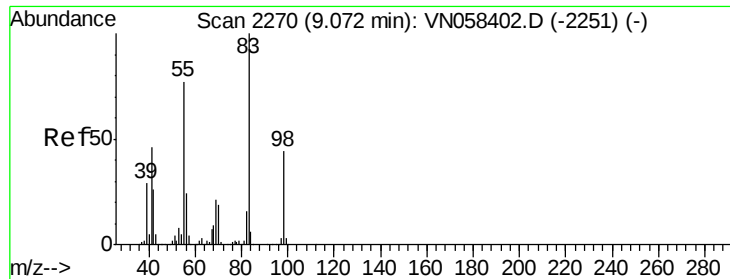
Tot Ion: 43 Resp: 123451
Ion Ratio Lower Upper
43 100
61 13.8 10.5 15.7
70 9.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.003 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 117 Resp: 119060
Ion Ratio Lower Upper
117 100
119 95.7 76.6 115.0
121 30.0 24.7 37.1

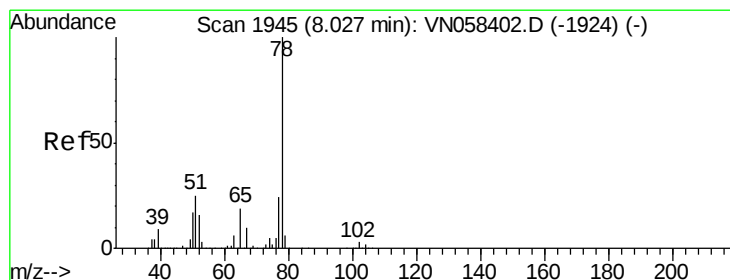
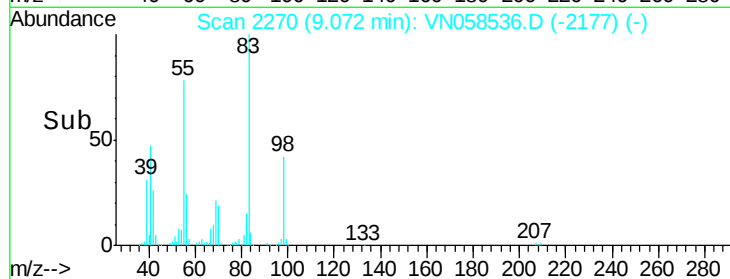
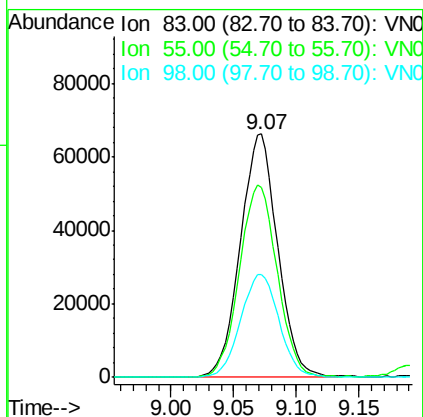
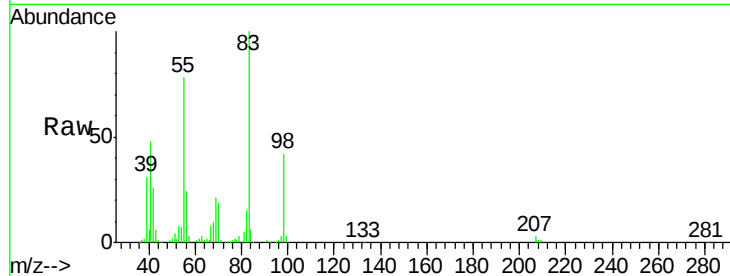




#39
Methvlcvclohexane
Concen: 18.720 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

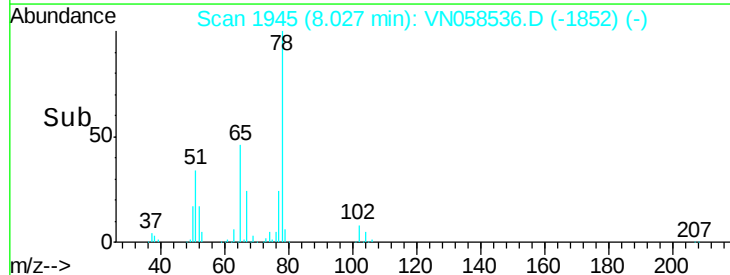
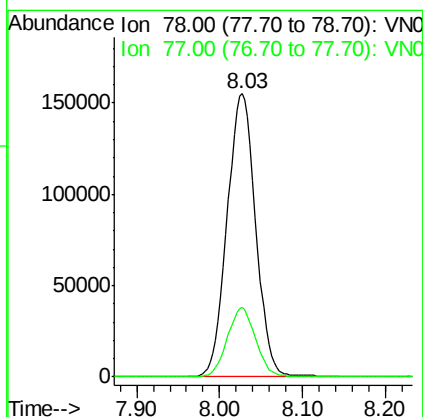
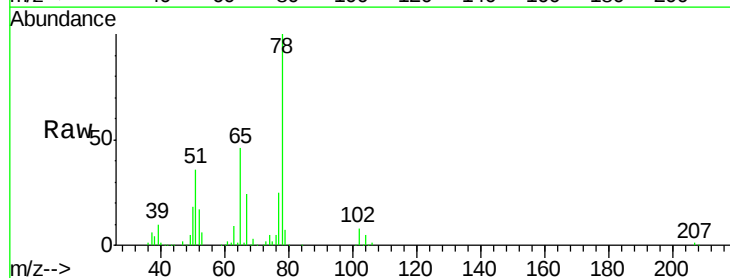
Instrument :
MSVOA_N
ClientSampled :

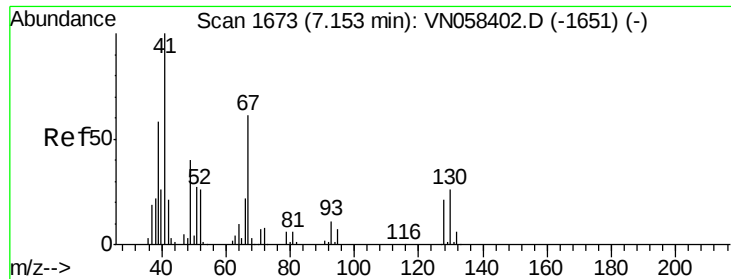
Tot Ion: 83 Resp: 137292
Ion Ratio Lower Upper
83 100
55 78.1 61.8 92.6
98 42.4 35.4 53.0



#40
Benzene
Concen: 20.627 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 78 Resp: 372364
Ion Ratio Lower Upper
78 100
77 24.6 18.9 28.3

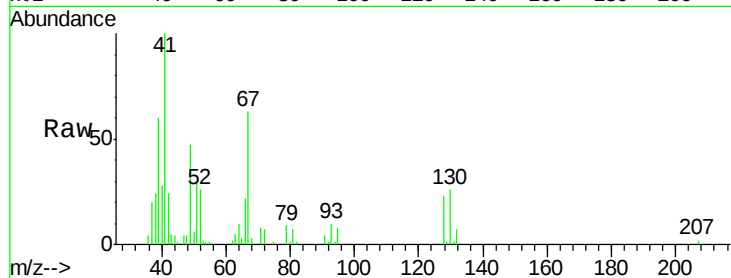




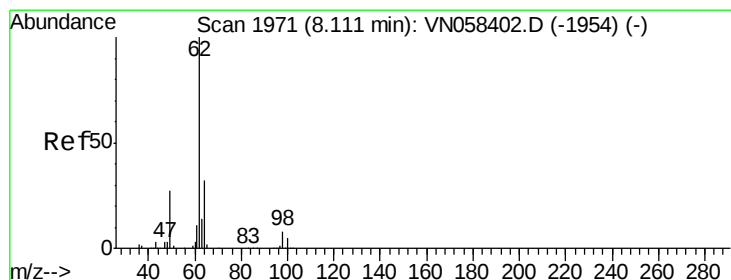
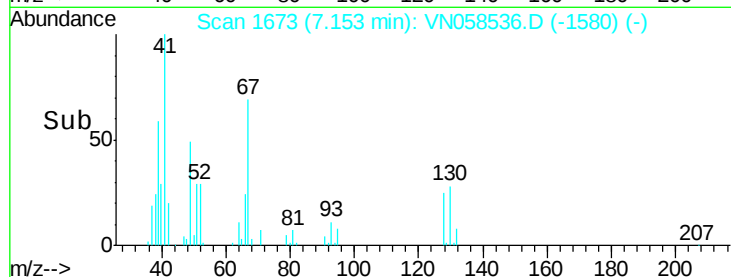
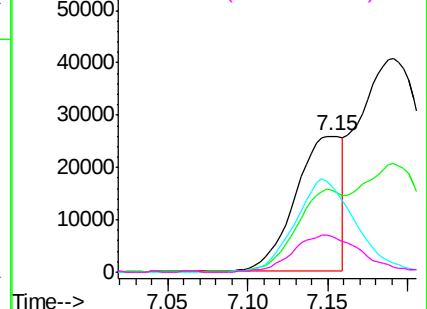
#41
Methacrylonitrile
Concen: 21.594 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	52896
Ion	Ratio	Lower	Upper
41	100		
39	64.8	50.2	75.4
67	89.2	70.2	105.4
52	40.1	31.4	47.0

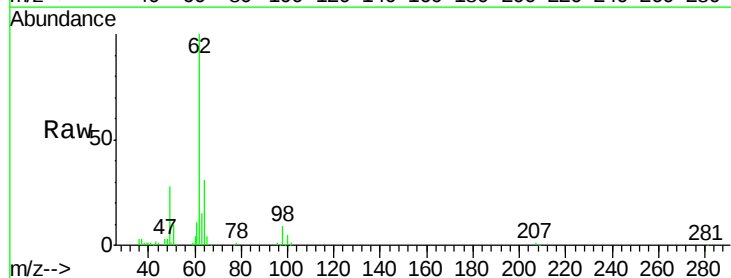


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

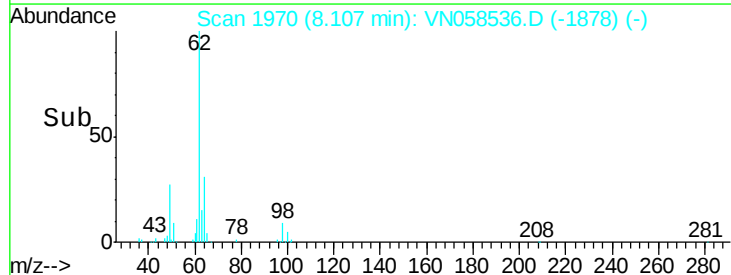
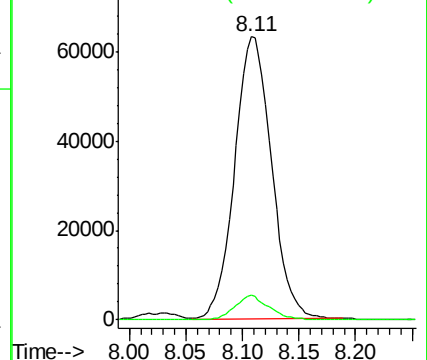


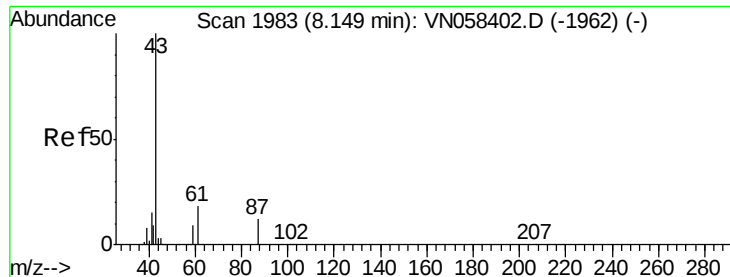
#42
1,2-Dichloroethane
Concen: 20.421 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion:	62	Resp:	143423
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 20.567 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

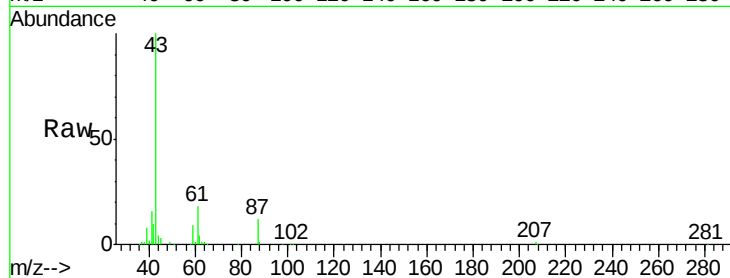
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 205924

Ion	Ratio	Lower	Upper
43	100		
61	25.8	14.8	22.2#
87	11.8	9.7	14.5

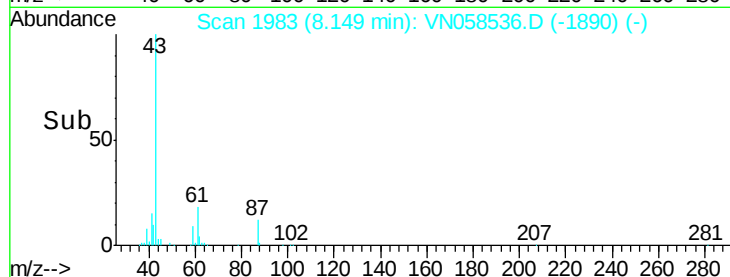


Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)

Time-->

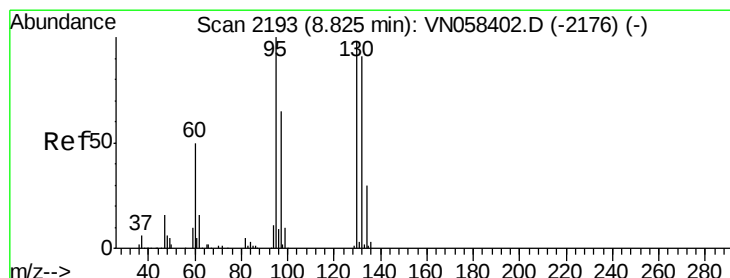


Abundance Ion 43.00 (42.70 to 43.70): VN058536.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058536.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058536.D (-1890) (-)

Time-->



#44

Trichloroethene

Concen: 20.501 ug/l

RT: 8.82 min Scan# 2193

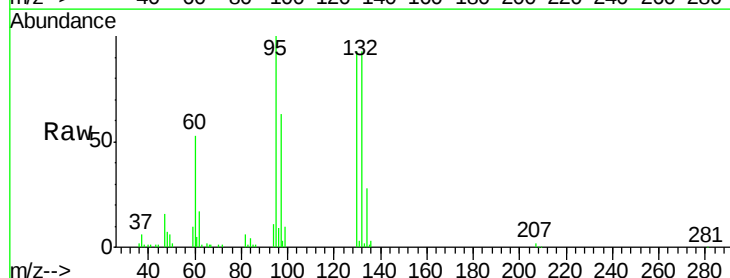
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:130 Resp: 91383

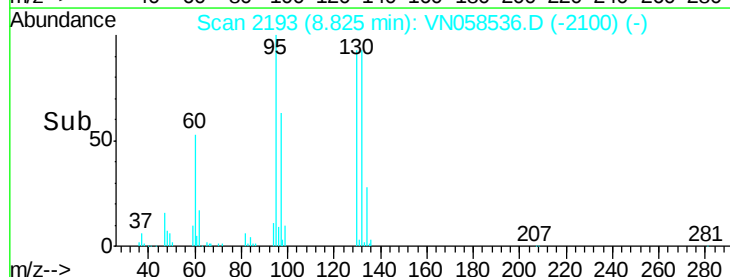
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)

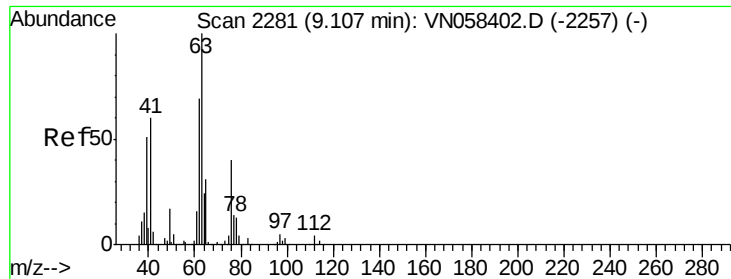
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN058536.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058536.D (-2100) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 21.459 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

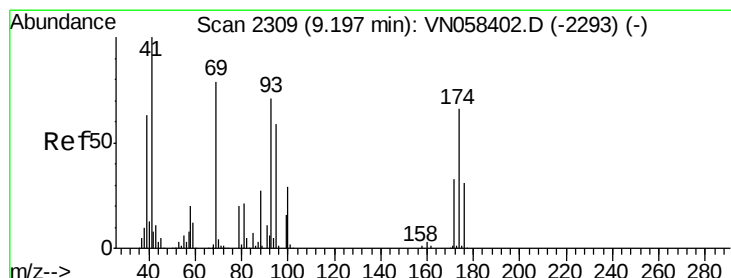
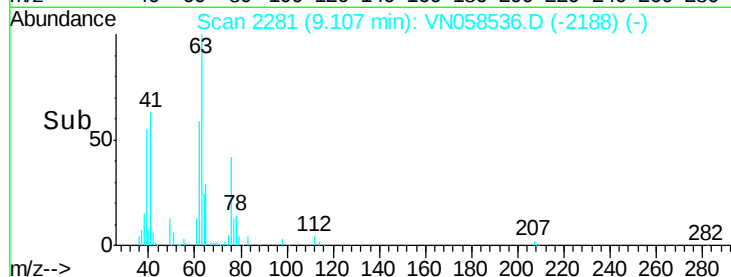
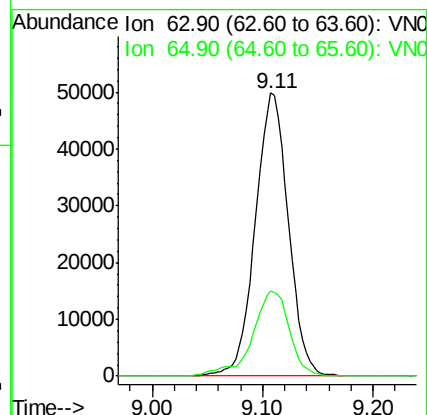
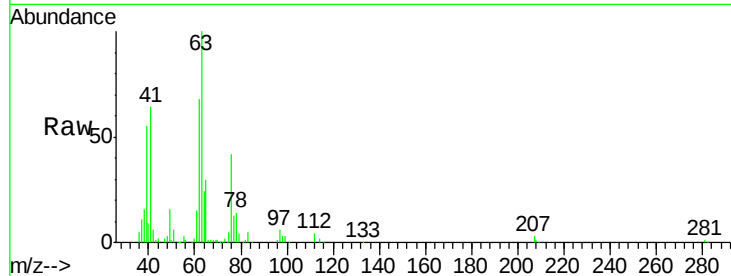
ClientSampled :

Tot Ion: 63 Resp: 103893

Ion Ratio Lower Upper

63 100

65 29.9 25.0 37.4



#46

Dibromomethane

Concen: 21.183 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

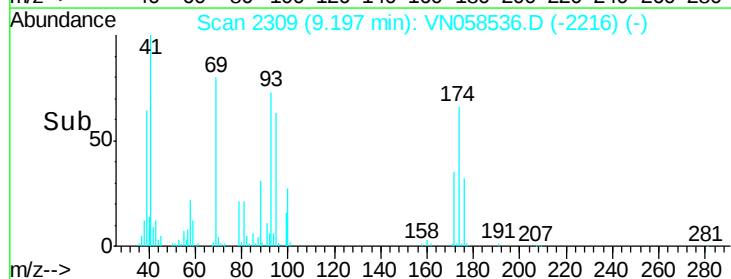
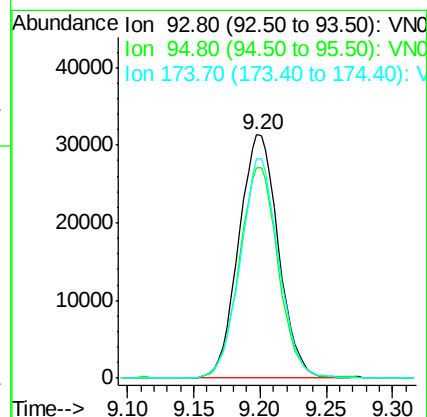
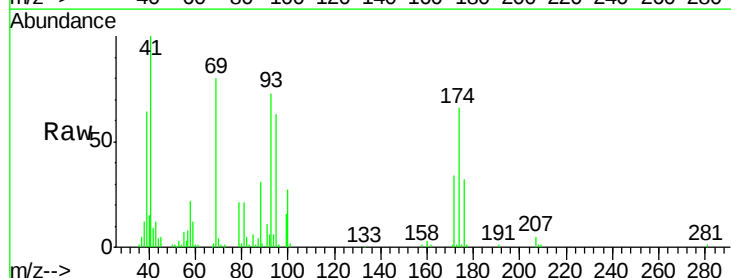
Tgt Ion: 93 Resp: 64947

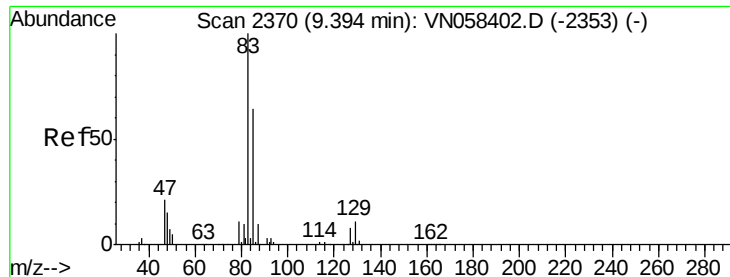
Ion Ratio Lower Upper

93 100

95 85.3 67.0 100.4

174 87.5 74.2 111.2





#47

Bromodichloromethane

Concen: 22.082 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

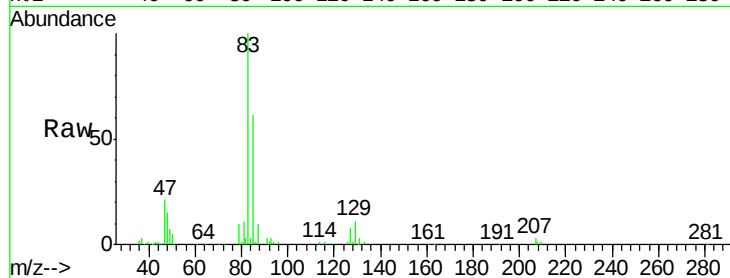
Tot Ion: 83 Resp: 128276

Ion Ratio Lower Upper

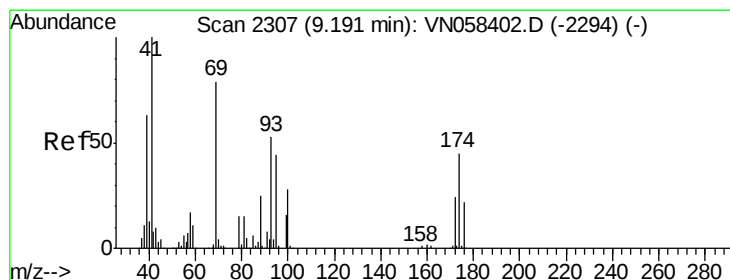
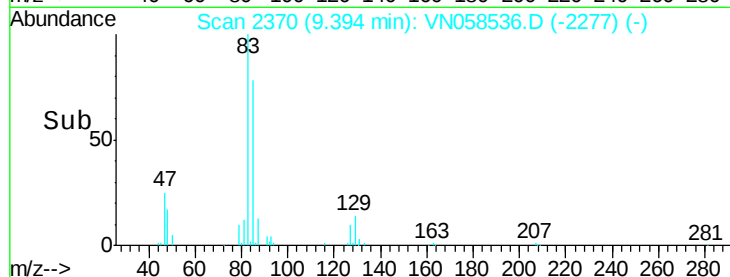
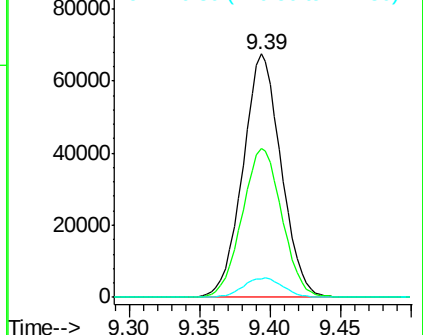
83 100

85 61.2 51.2 76.8

127 7.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.347 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

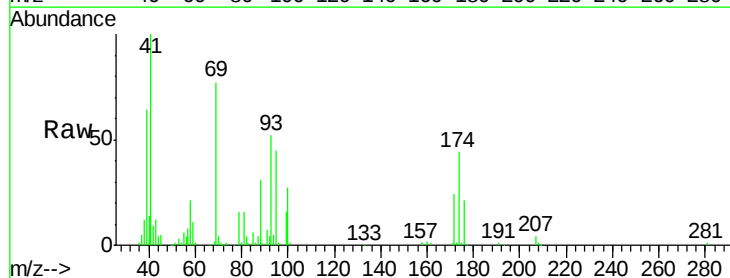
Tgt Ion: 41 Resp: 97324

Ion Ratio Lower Upper

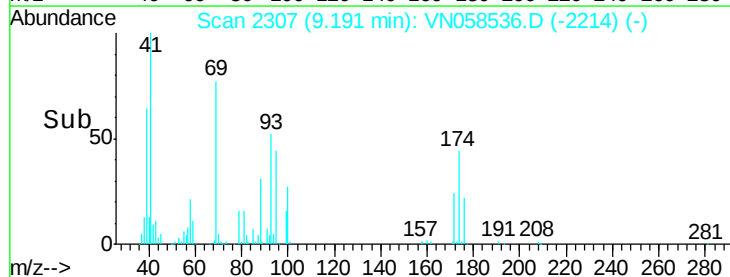
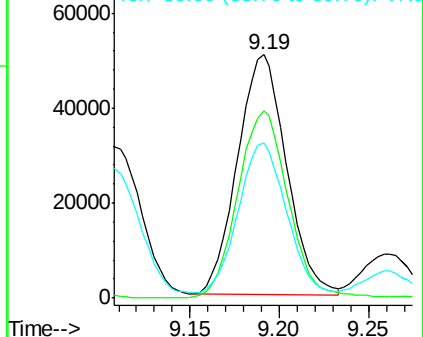
41 100

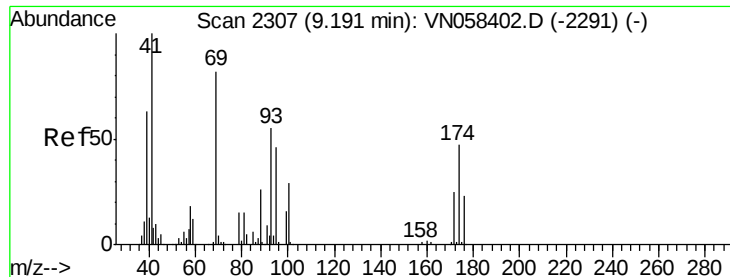
69 80.0 64.7 97.1

39 64.9 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

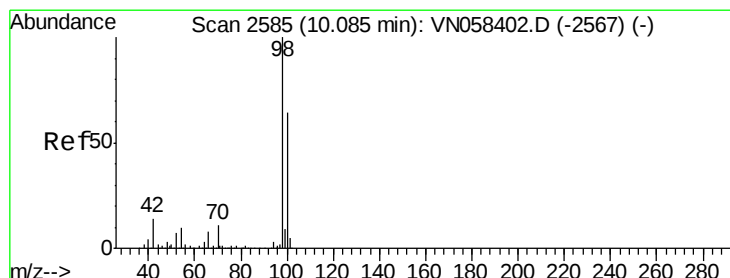
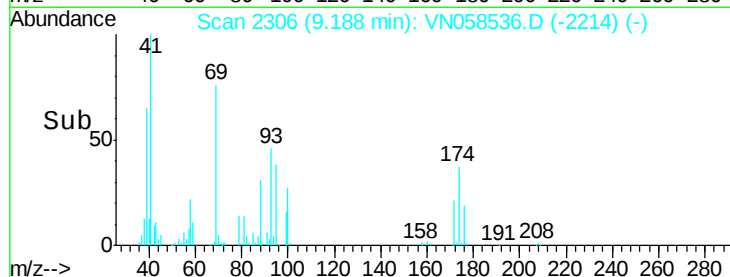
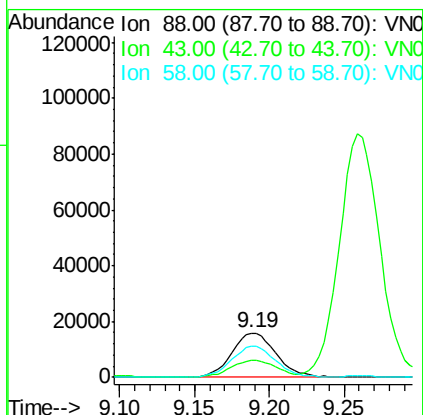
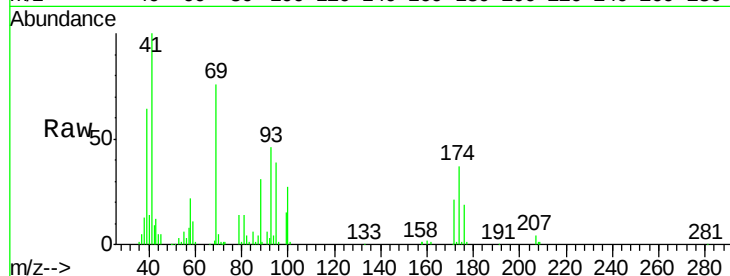




#49
1,4-Dioxane
Concen: 540.454 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

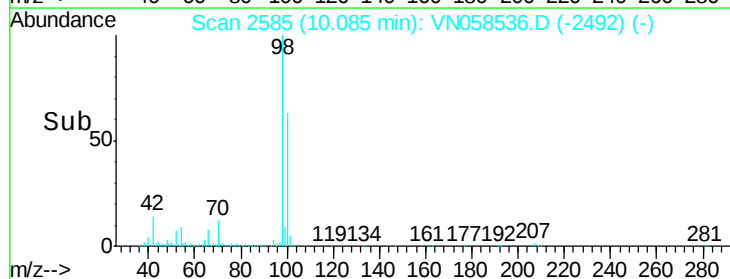
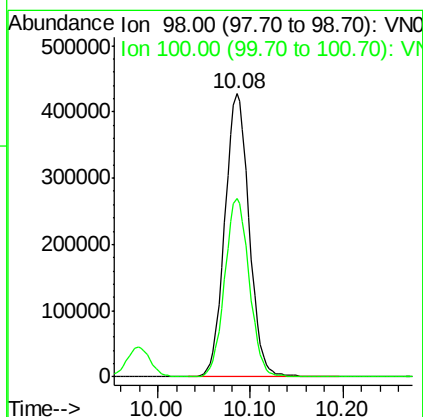
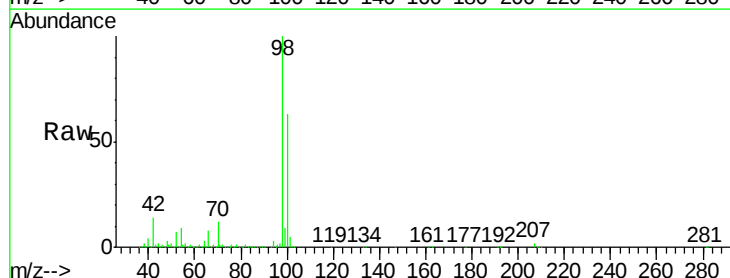
Instrument :
MSVOA_N
ClientSampleId :

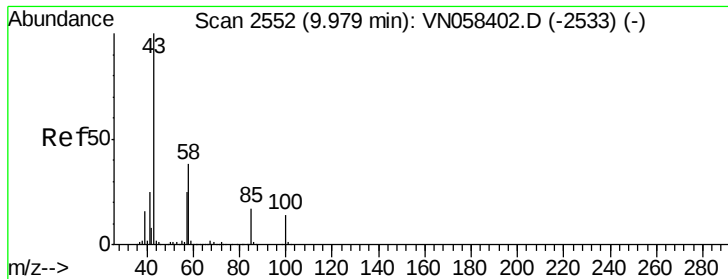
Tot Ion: 88 Resp: 32947
Ion Ratio Lower Upper
88 100
43 40.7 31.1 46.7
58 70.0 58.1 87.1



#50
Toluene-d8
Concen: 49.314 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 98 Resp: 777623
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6





#51

4-Methyl-2-Pentanone

Concen: 119.312 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

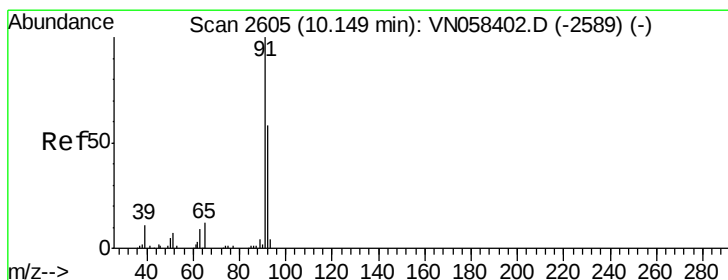
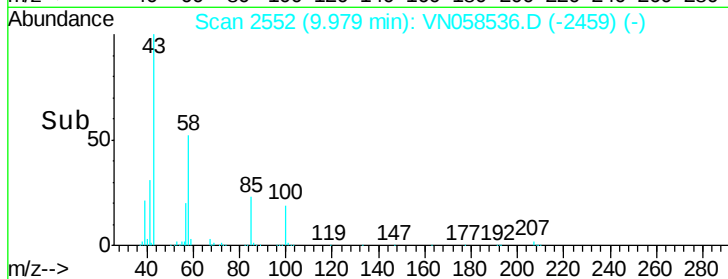
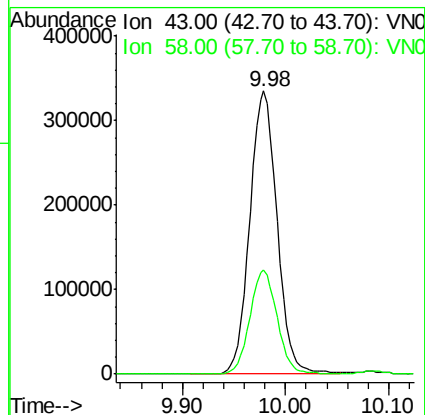
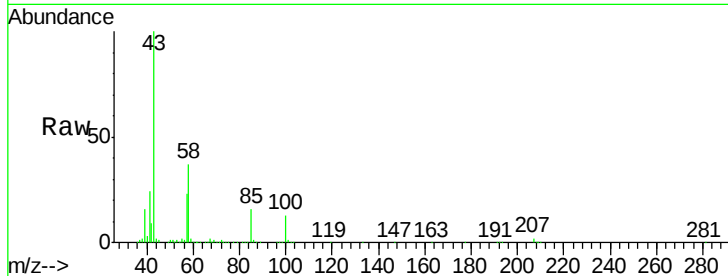
ClientSampleId :

Tot Ion: 43 Resp: 613627

Ion Ratio Lower Upper

43 100

58 36.9 30.2 45.2



#52

Toluene

Concen: 19.955 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058536.D

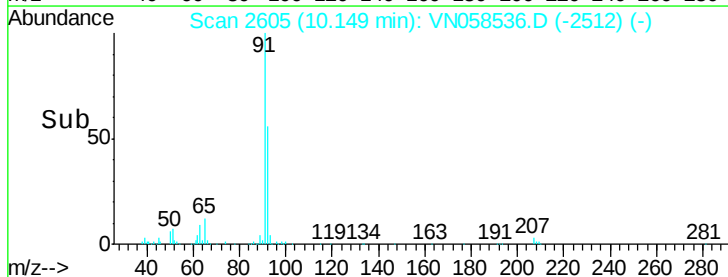
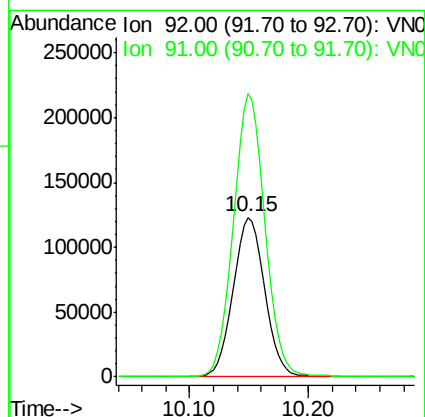
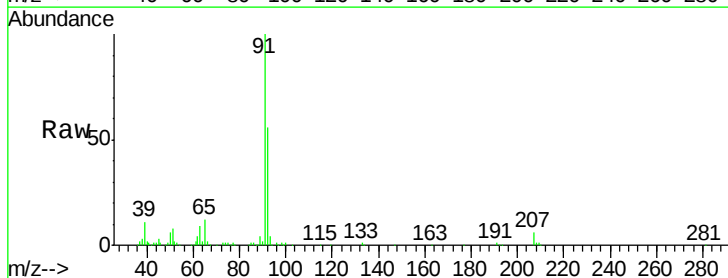
Acq: 4 Oct 2019 13:37

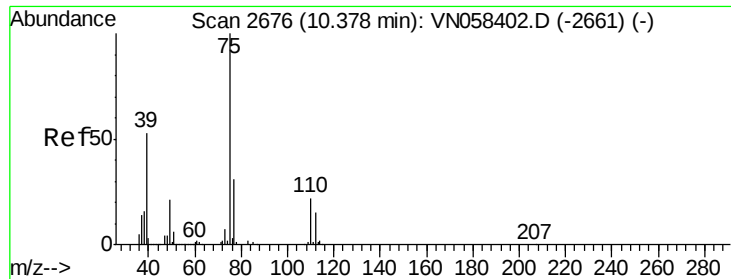
Tgt Ion: 92 Resp: 226739

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 22.141 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

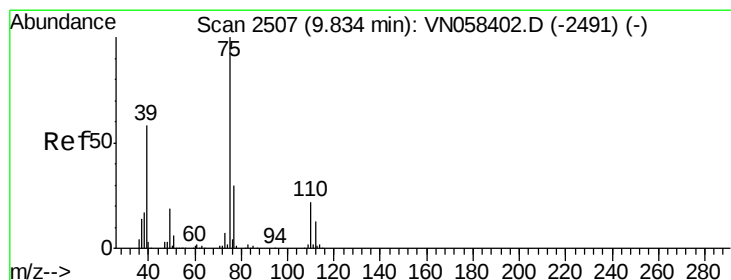
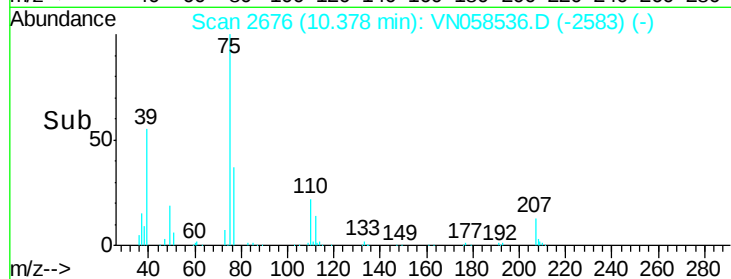
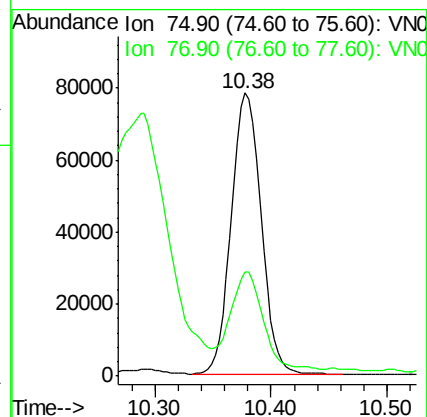
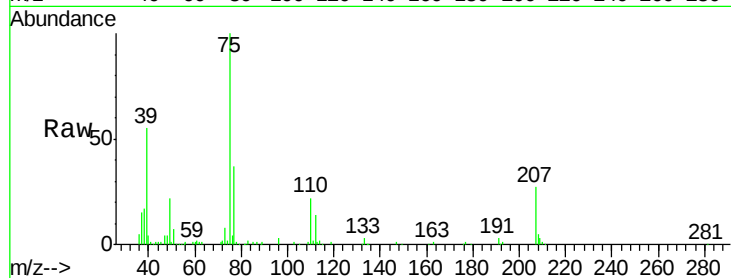
ClientSampleId :

Tot Ion: 75 Resp: 139995

Ion Ratio Lower Upper

75 100

77 34.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 21.698 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

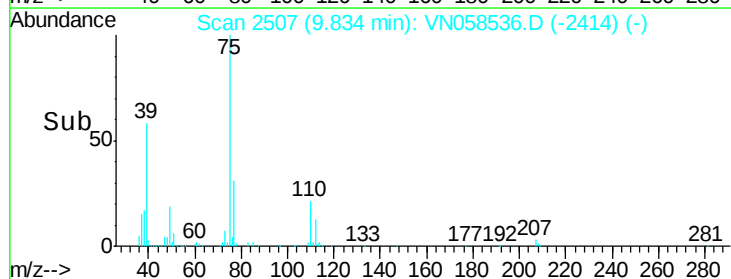
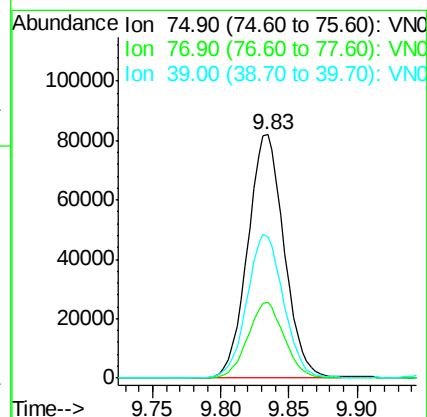
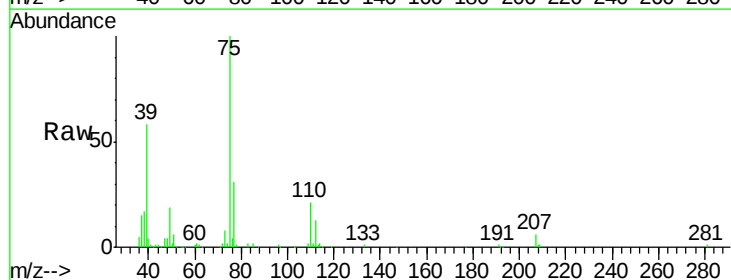
Tgt Ion: 75 Resp: 152291

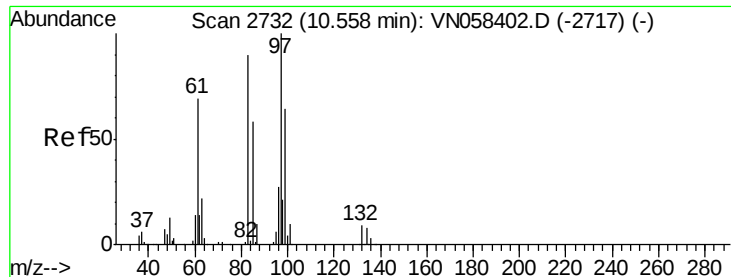
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4

39 57.9 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 22.549 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 93292

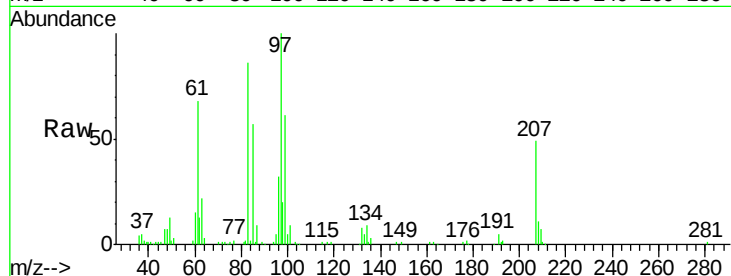
Ion Ratio Lower Upper

97 100

83 85.7 71.8 107.6

85 57.1 46.6 69.8

99 61.0 51.5 77.3

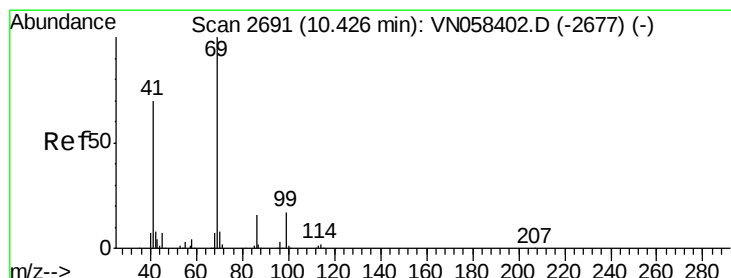
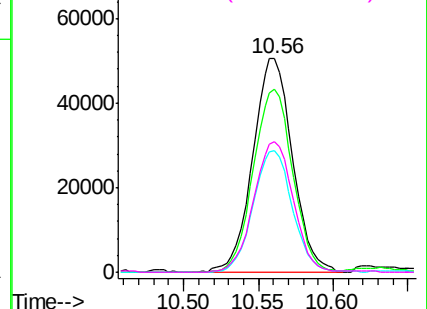
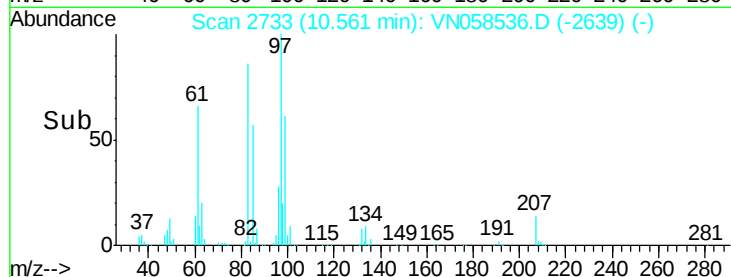


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 21.693 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

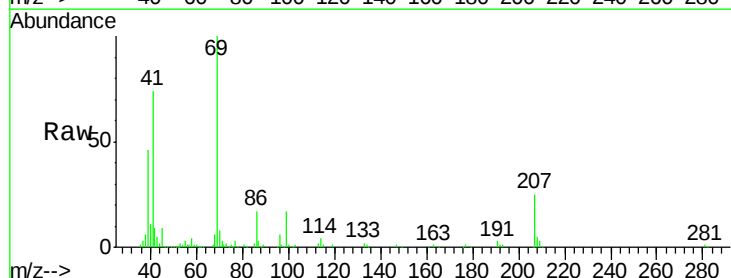
Tgt Ion: 69 Resp: 136188

Ion Ratio Lower Upper

69 100

41 70.9 56.3 84.5

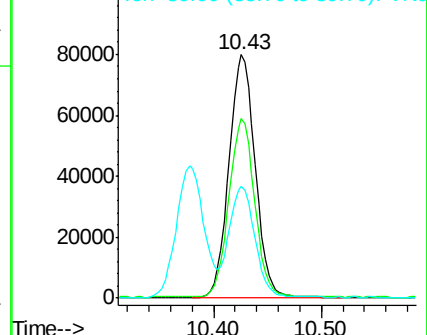
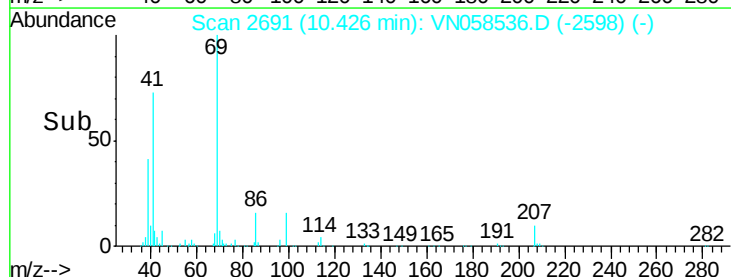
39 45.6 35.8 53.6

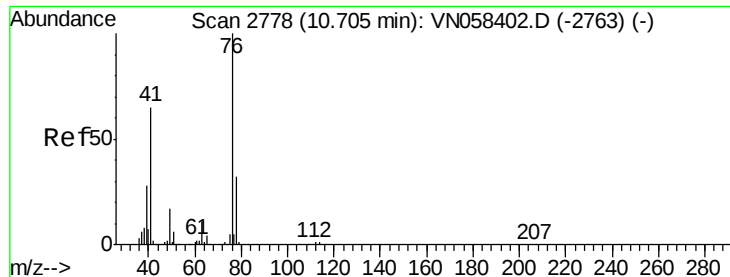


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

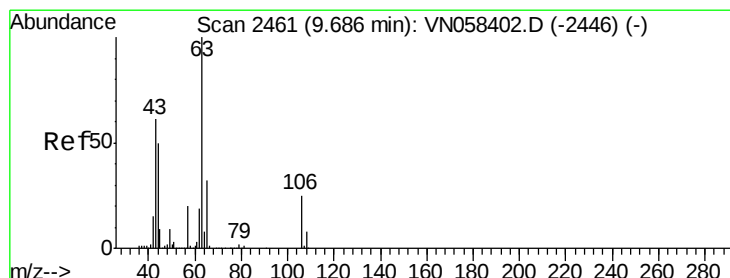
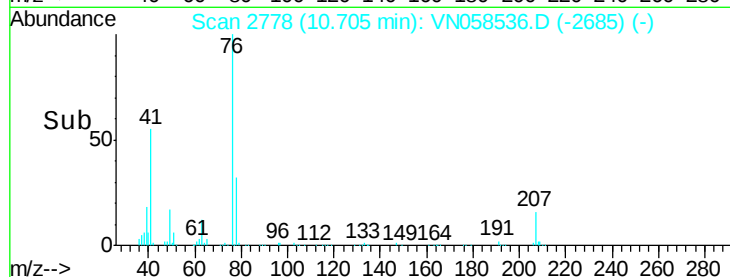
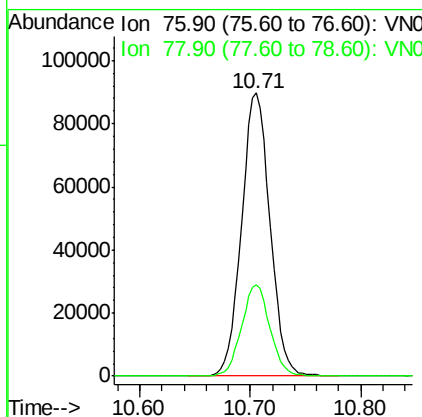
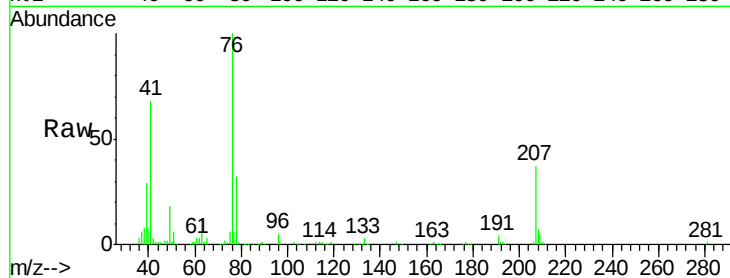




#57
 1,3-Dichloropropane
 Concen: 21.682 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

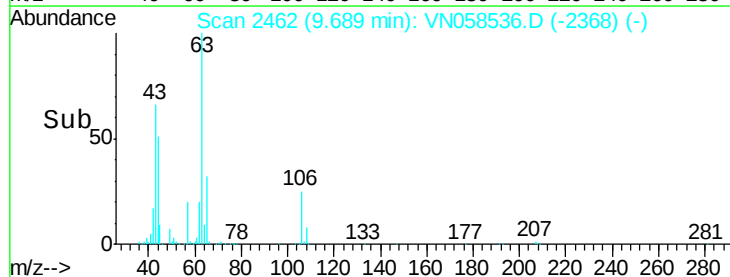
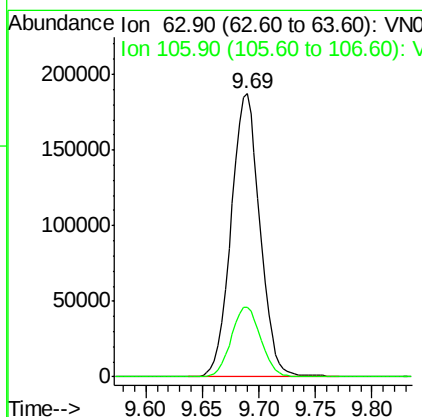
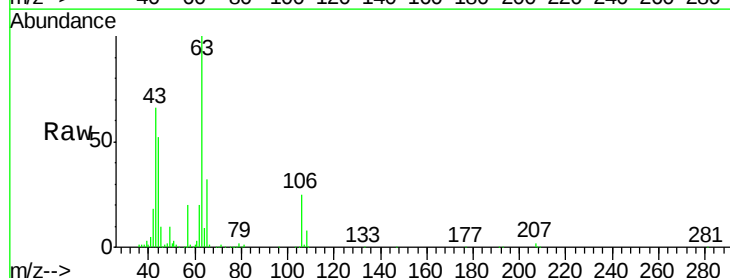
Instrument :
 MSVOA_N
 ClientSampled :

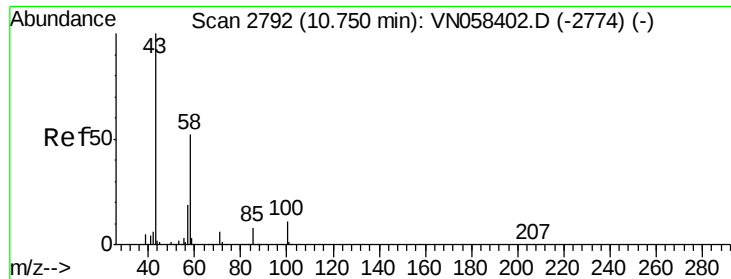
Tot Ion: 76 Resp: 160009
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.828 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 63 Resp: 332508
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.3 30.5

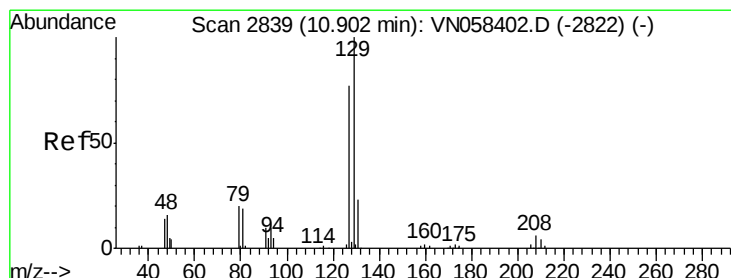
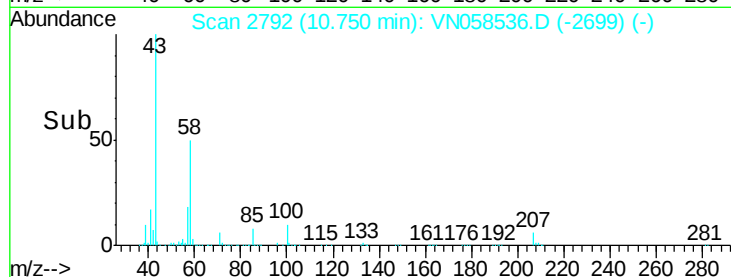
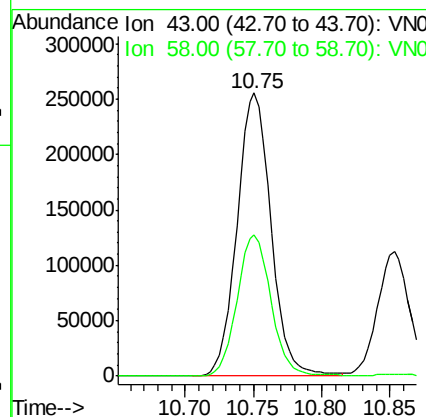
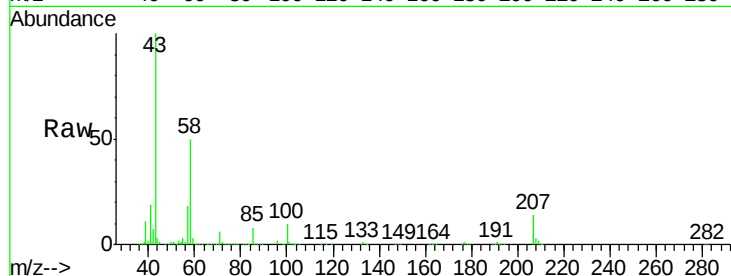




#59
2-Hexanone
Concen: 116.844 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

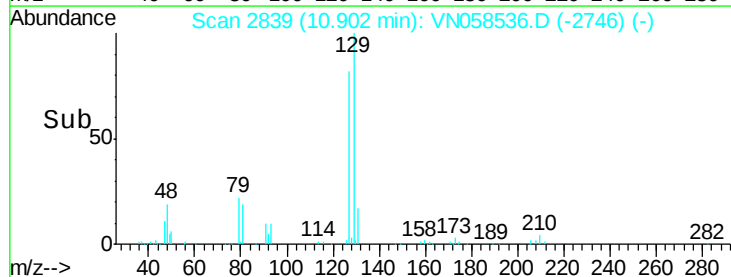
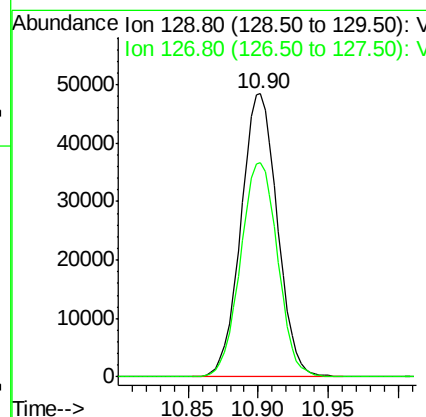
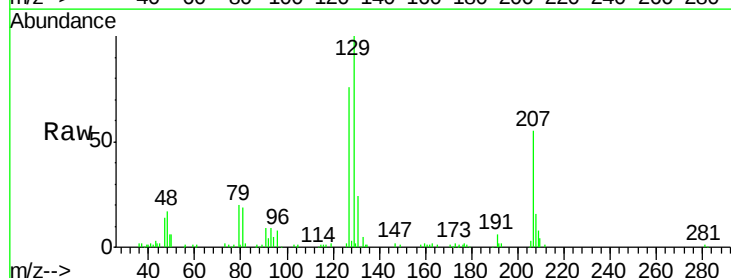
Instrument :
MSVOA_N
ClientSampled :

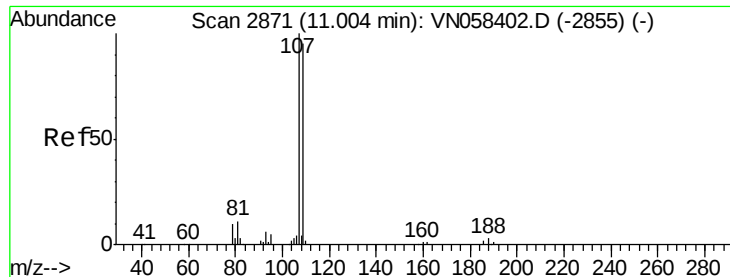
Tot Ion: 43 Resp: 437572
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 20.140 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 129 Resp: 87699
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8

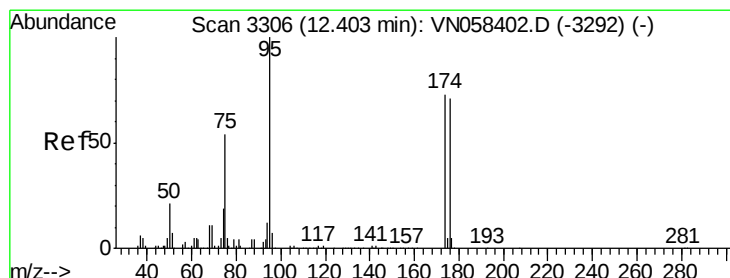
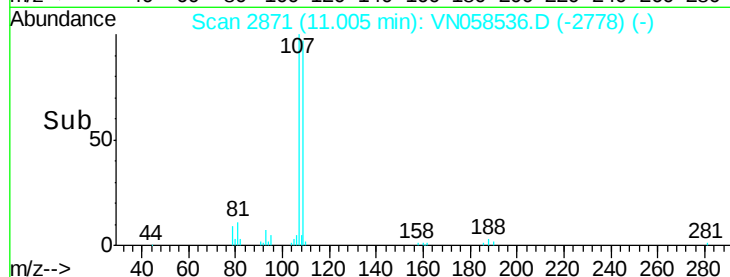
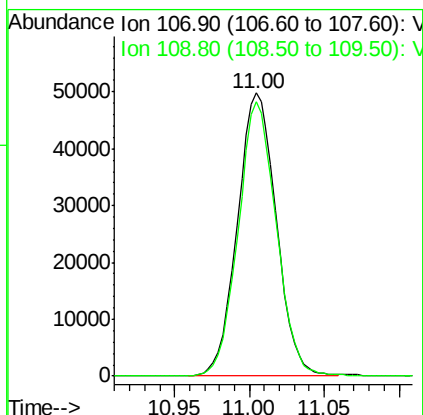
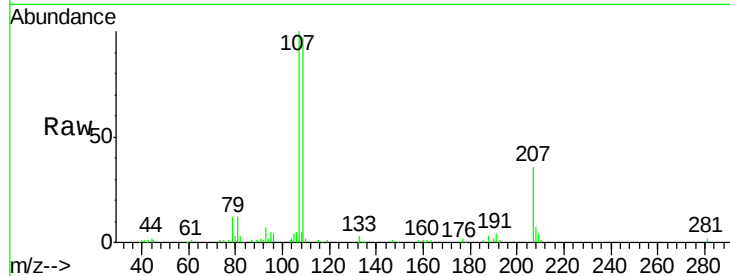




#61
 1,2-Dibromoethane
 Concen: 21.303 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

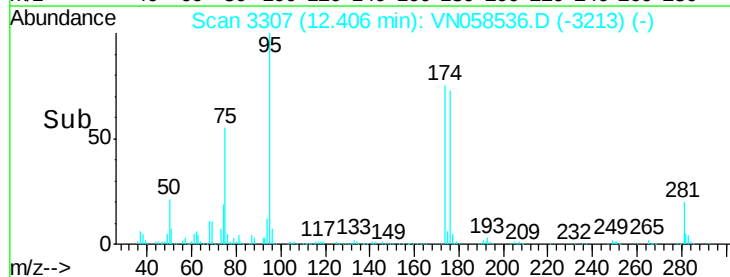
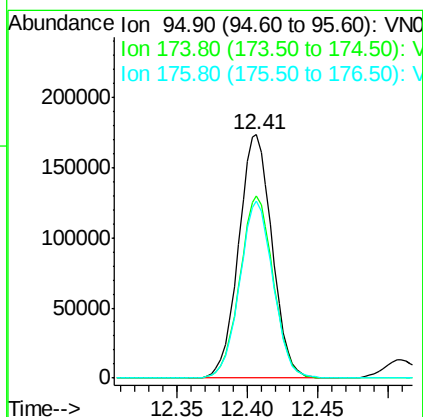
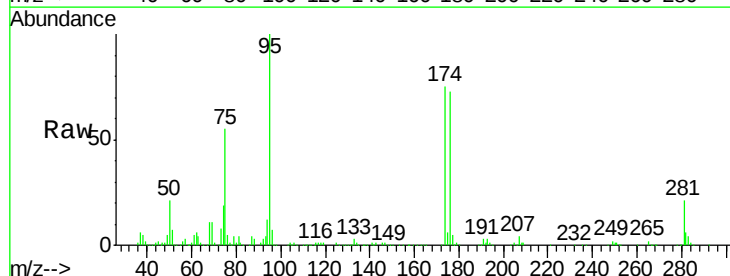
Instrument :
 MSVOA_N
 ClientSampled :

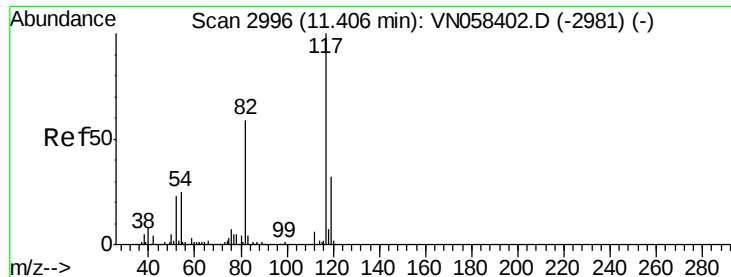
Tot Ion: 107 Resp: 90055
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.574 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion: 95 Resp: 288361
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 150.6
 176 72.6 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

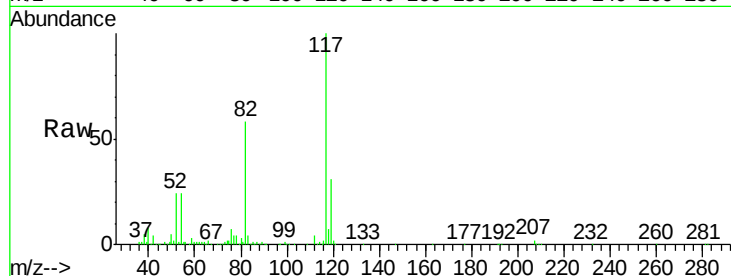
Tot Ion:117 Resp: 595789

Ion Ratio Lower Upper

117 100

82 58.0 47.4 71.0

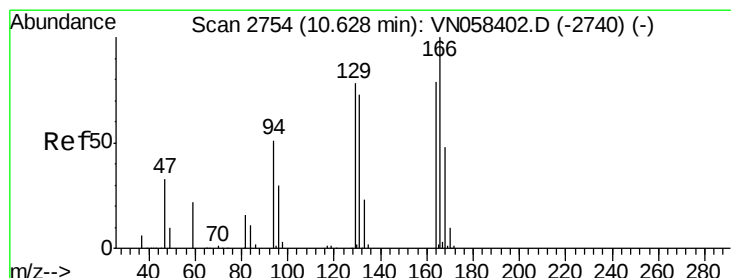
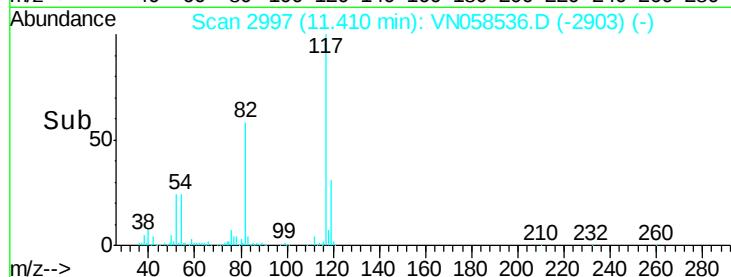
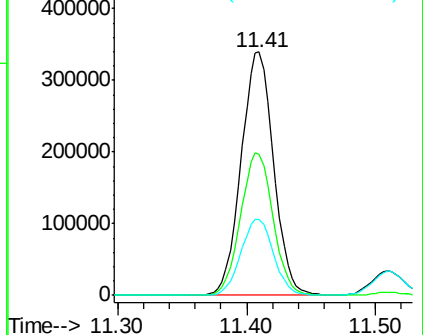
119 30.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.808 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:164 Resp: 82549

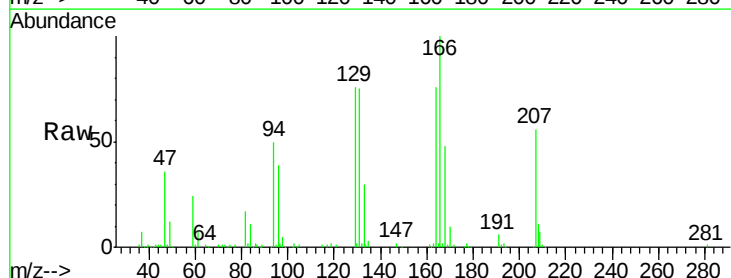
Ion Ratio Lower Upper

164 100

166 132.0 101.1 151.7

129 99.7 79.2 118.8

131 99.4 74.1 111.1

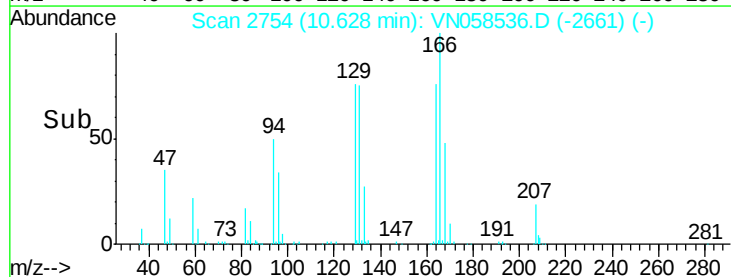
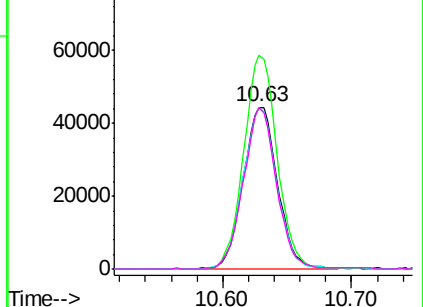


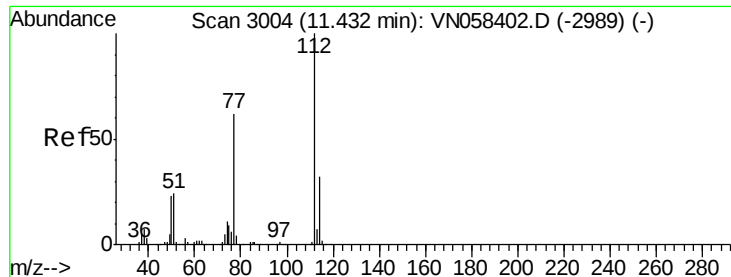
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.573 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

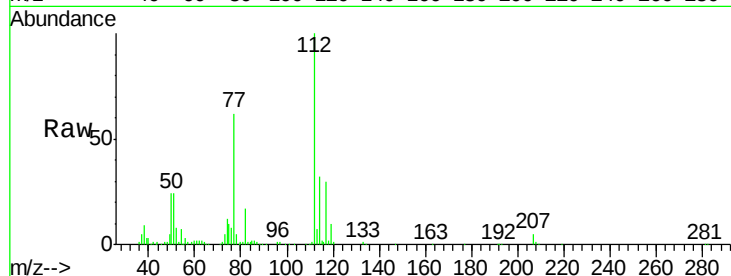
ClientSampled :

Tot Ion:112 Resp: 243648

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

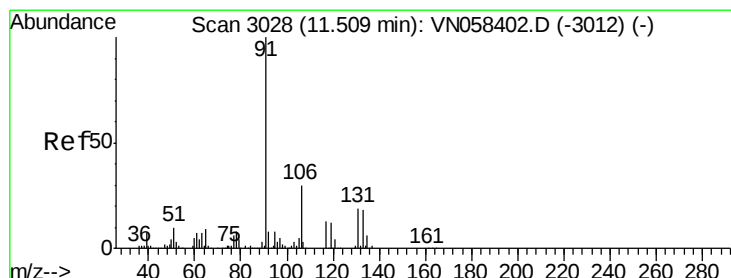
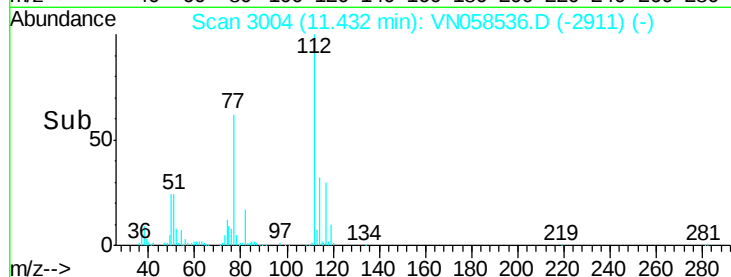
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 21.970 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

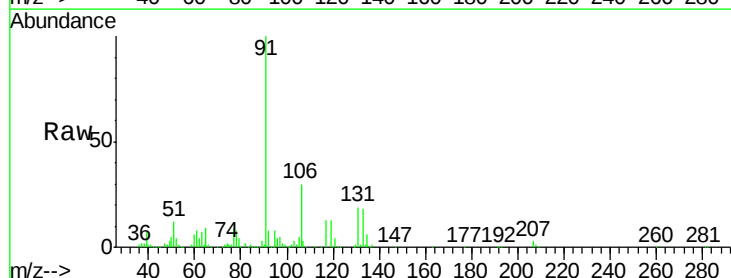
Tgt Ion:131 Resp: 87663

Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.3

119 66.4 33.0 99.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

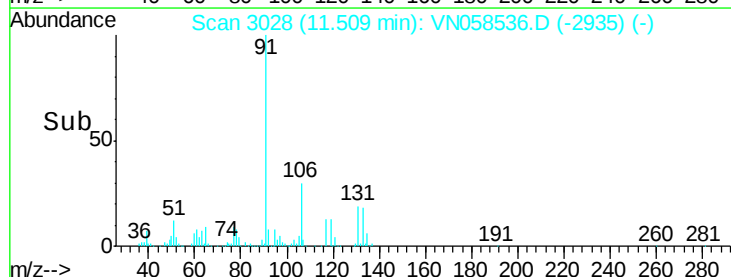
100000

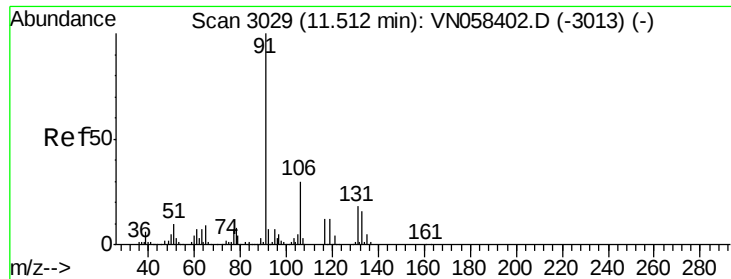
50000

0

Time-->

11.45 11.55 11.60

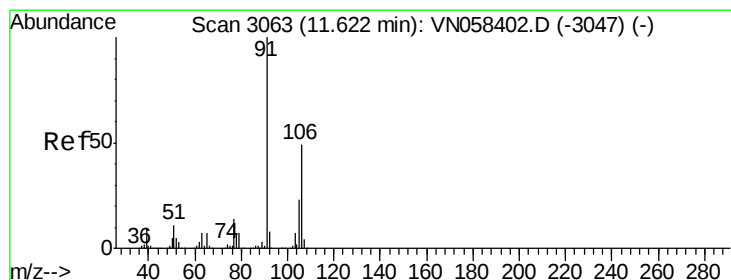
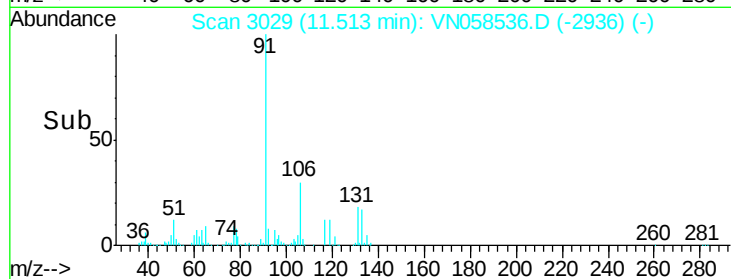
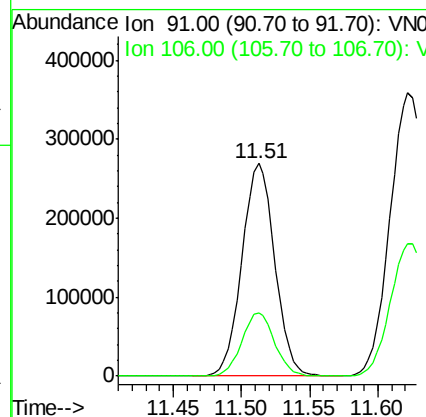
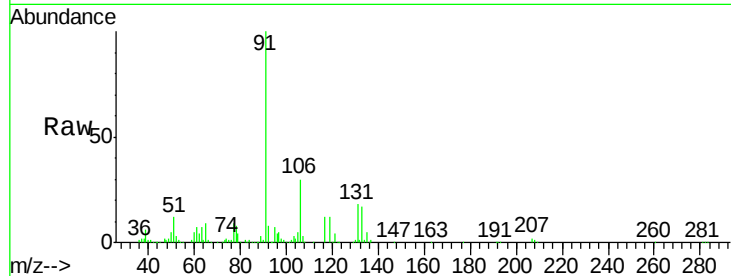




#67
Ethyl Benzene
Concen: 20.961 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

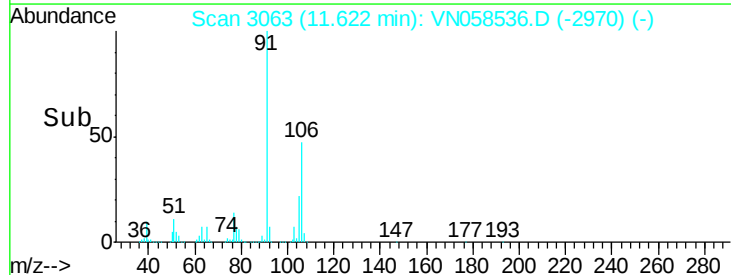
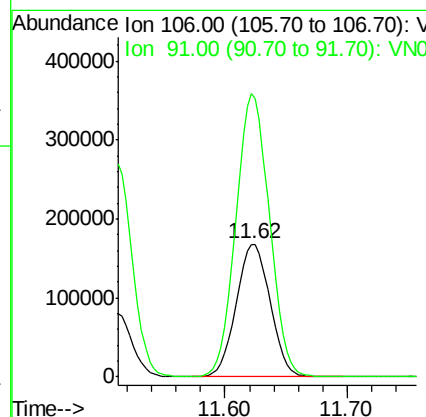
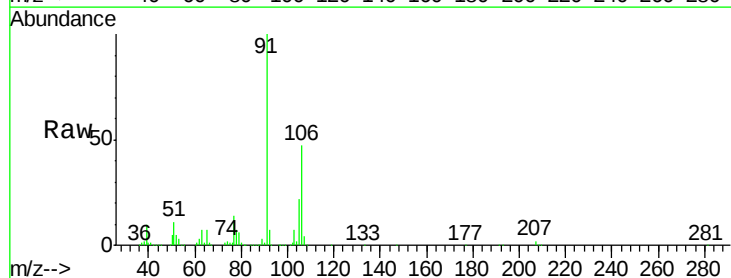
Instrument :
MSVOA_N
ClientSampled :

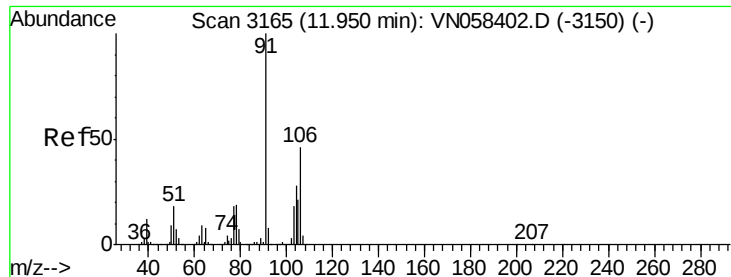
Tot Ion: 91 Resp: 449624
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5



#68
m/p-Xylenes
Concen: 40.148 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 106 Resp: 324020
Ion Ratio Lower Upper
106 100
91 210.8 165.0 247.4

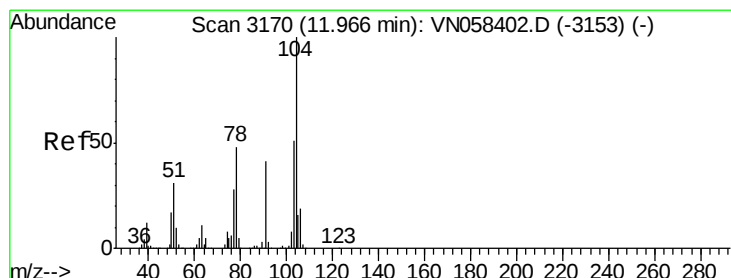
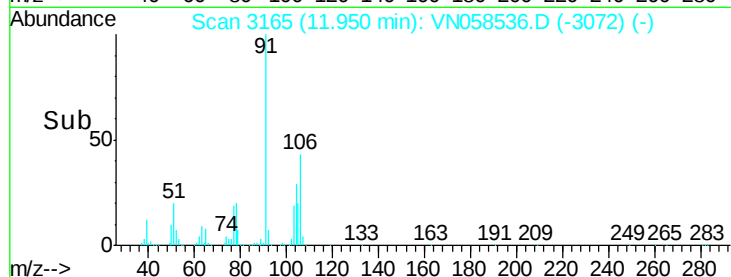
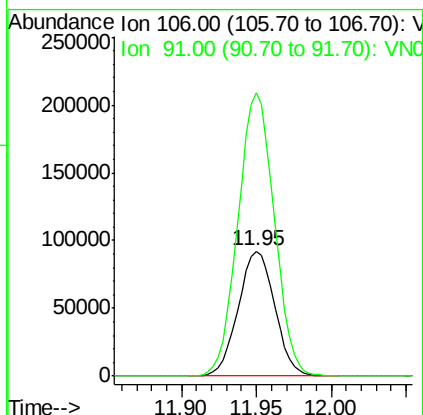
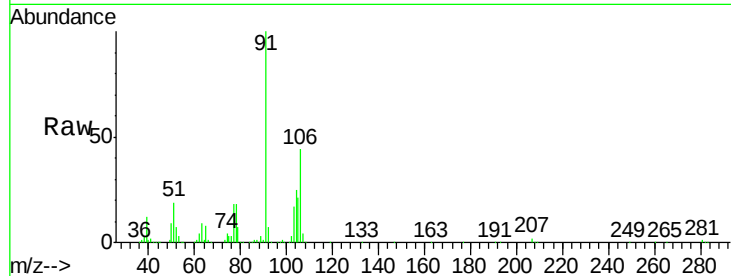




#69
o-Xylene
Concen: 20.182 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

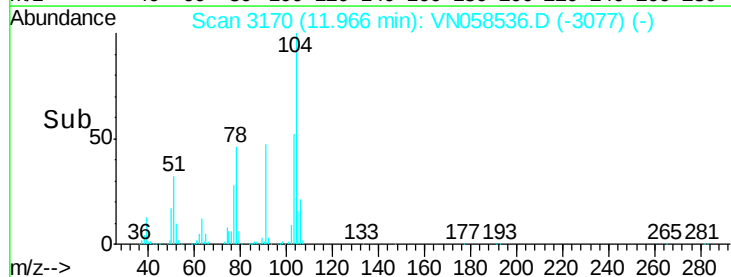
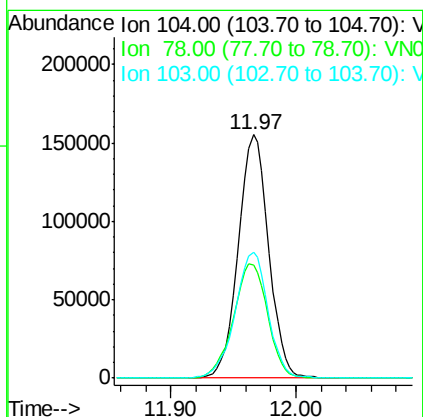
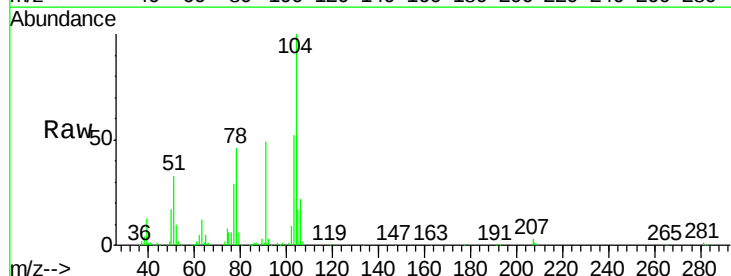
Instrument :
MSVOA_N
ClientSampled :

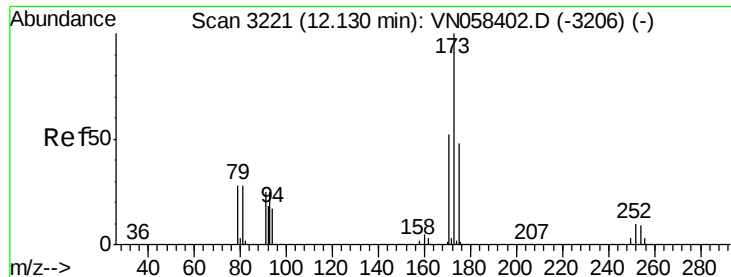
Tot Ion:106 Resp: 156801
Ion Ratio Lower Upper
106 100
91 225.7 109.1 327.4



#70
Styrene
Concen: 20.636 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion:104 Resp: 260462
Ion Ratio Lower Upper
104 100
78 53.2 42.8 64.2
103 56.3 43.7 65.5





#71

Bromoform

Concen: 19.493 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

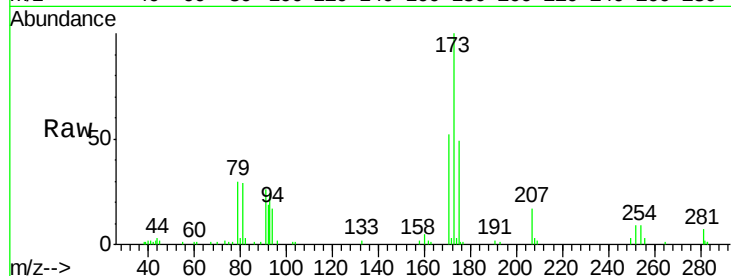
Tot Ion:173 Resp: 52565

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

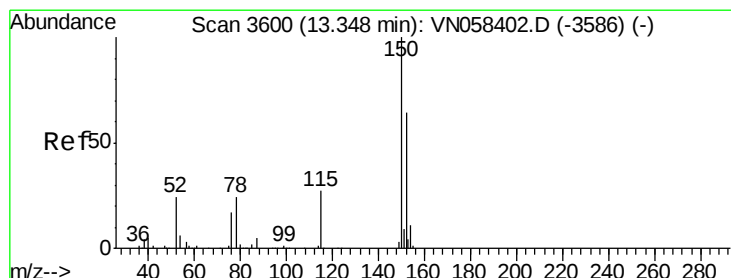
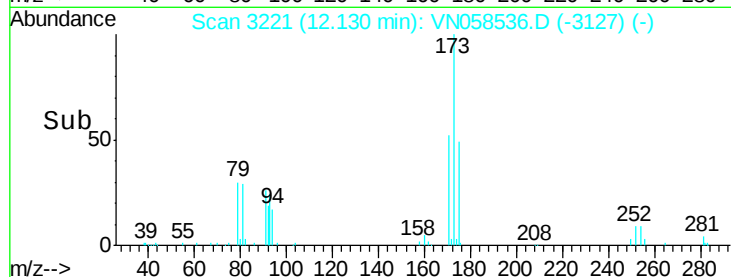
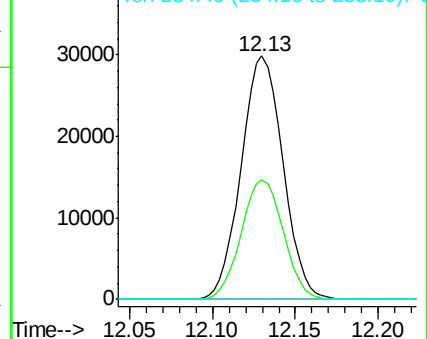
254 0.0 0.1 0.1#



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: VN058536.D

Acq: 4 Oct 2019 13:37

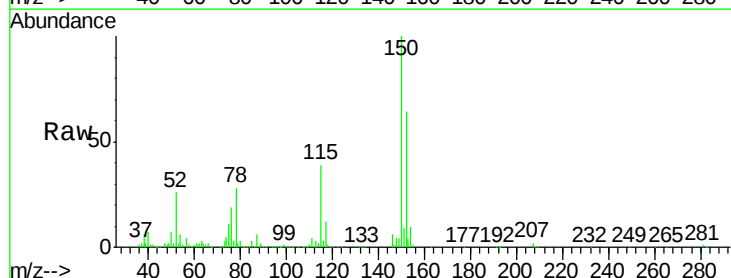
Tgt Ion:152 Resp: 282717

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

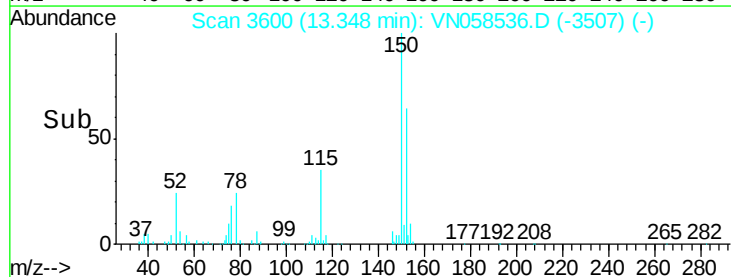
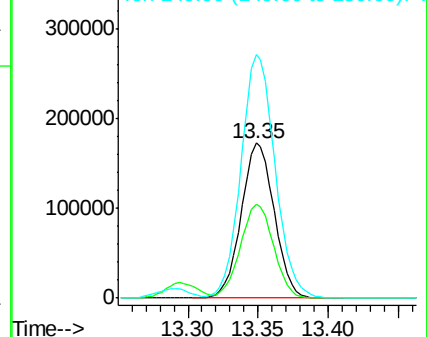
150 162.6 0.0 348.2

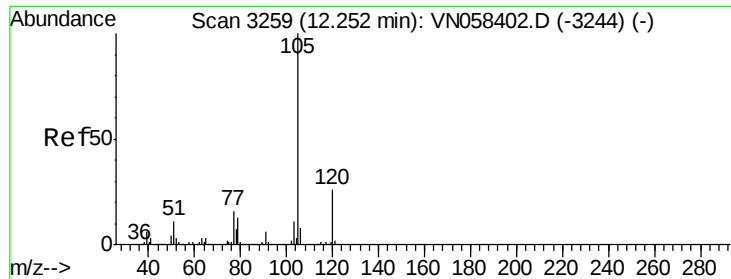


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.585 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

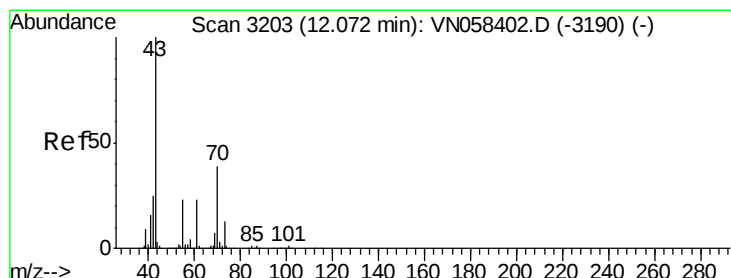
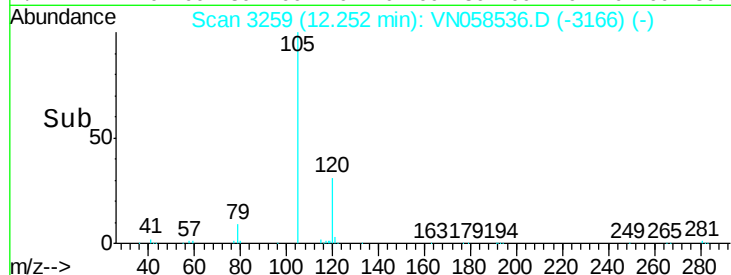
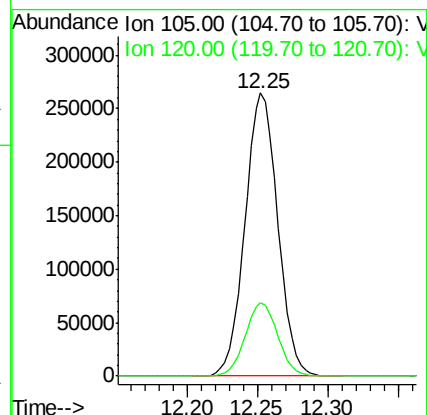
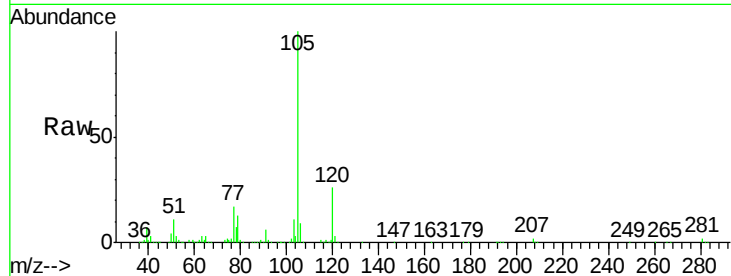
ClientSampleId :

Tot Ion:105 Resp: 430083

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4



#74

N-ethyl acetate

Concen: 21.663 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion: 43 Resp: 180059

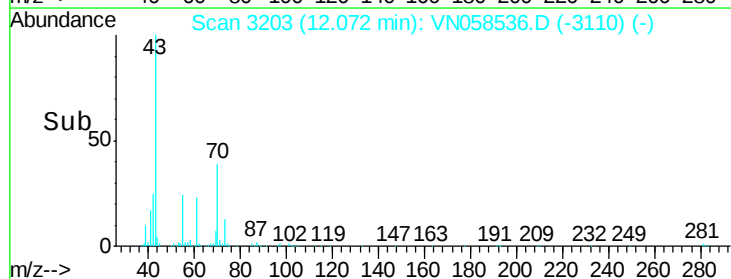
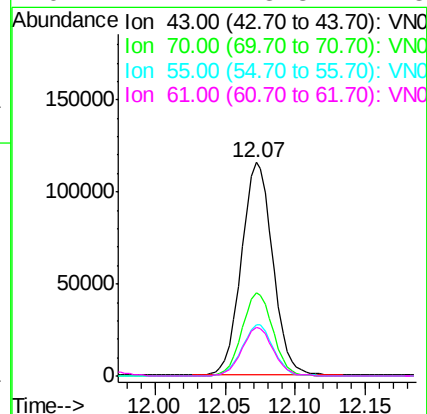
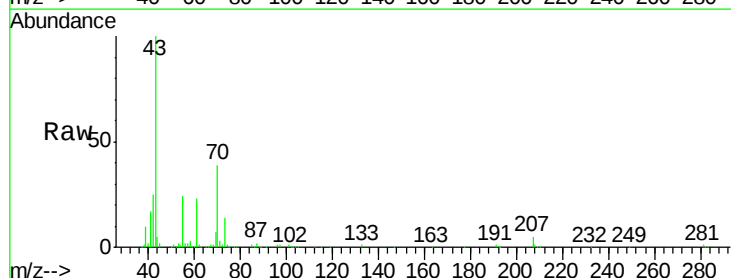
Ion Ratio Lower Upper

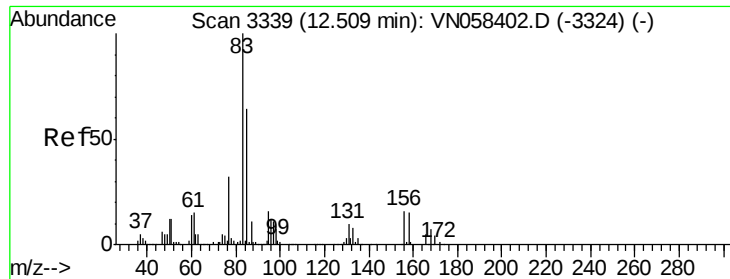
43 100

70 38.6 31.4 47.2

55 24.4 18.2 27.4

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.395 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

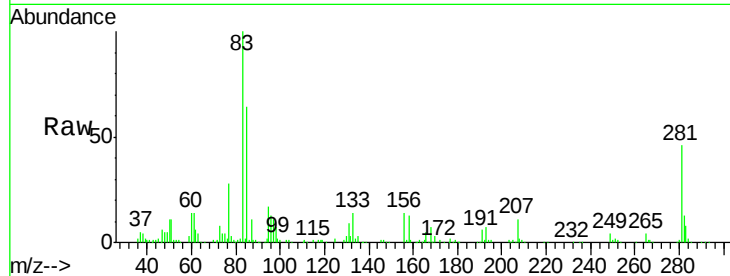
Tot Ion: 83 Resp: 132184

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

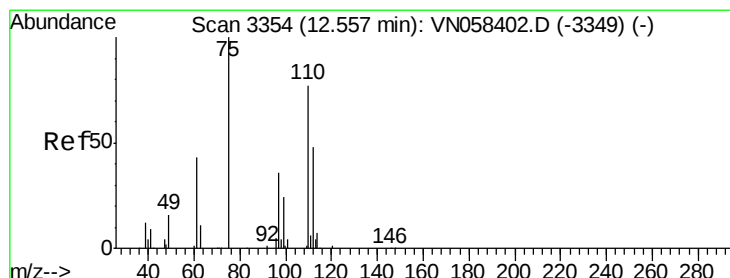
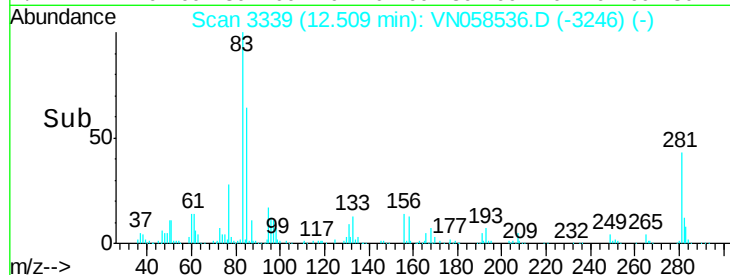
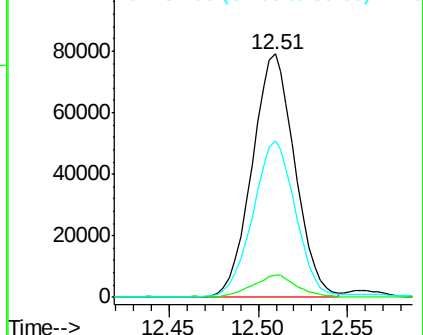
85 66.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN058536.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN058536.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN058536.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 32.918 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058536.D

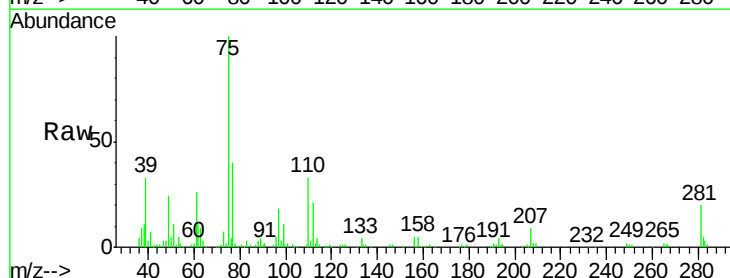
Acq: 4 Oct 2019 13:37

Tgt Ion: 75 Resp: 169986

Ion Ratio Lower Upper

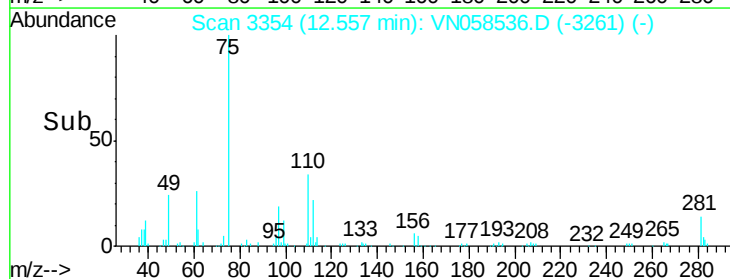
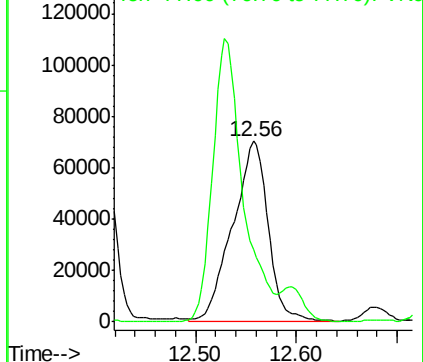
75 100

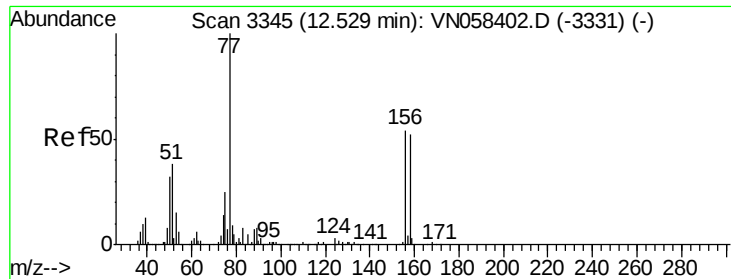
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058536.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058536.D (-3261) (-)





#77

Bromobenzene

Concen: 20.655 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

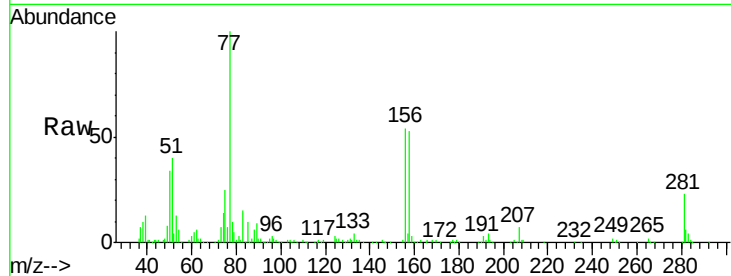
Tot Ion:156 Resp: 101190

Ion Ratio Lower Upper

156 100

77 226.7 110.0 330.0

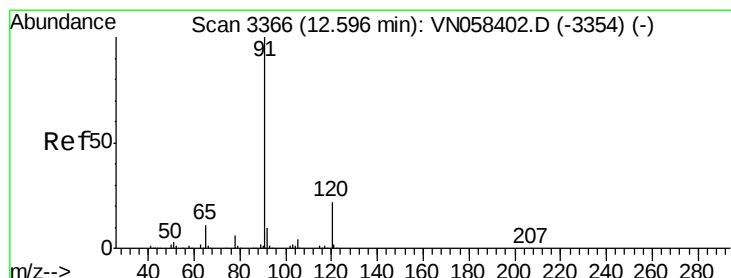
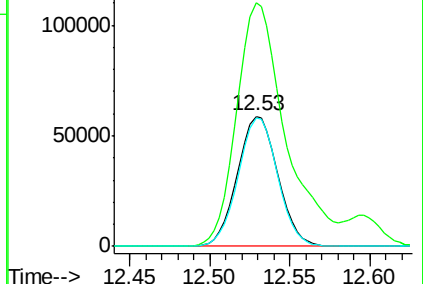
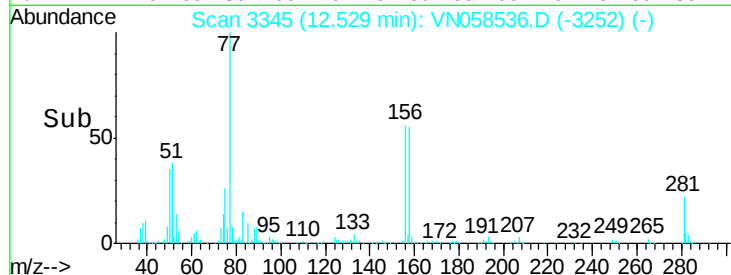
158 96.1 47.9 143.8



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: 21.434 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058536.D

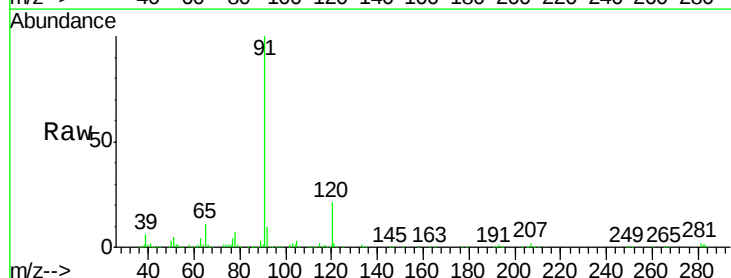
Acq: 4 Oct 2019 13:37

Tgt Ion: 91 Resp: 504520

Ion Ratio Lower Upper

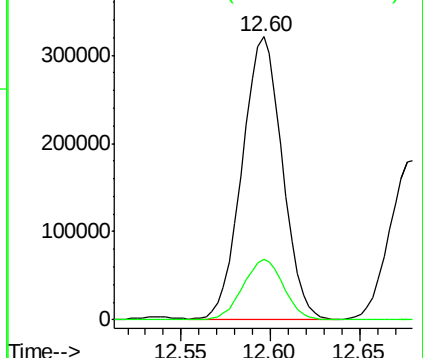
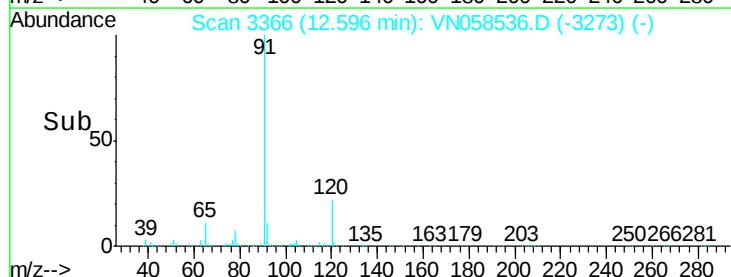
91 100

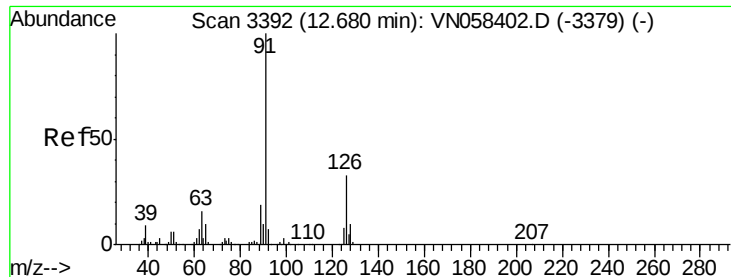
120 21.7 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.533 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

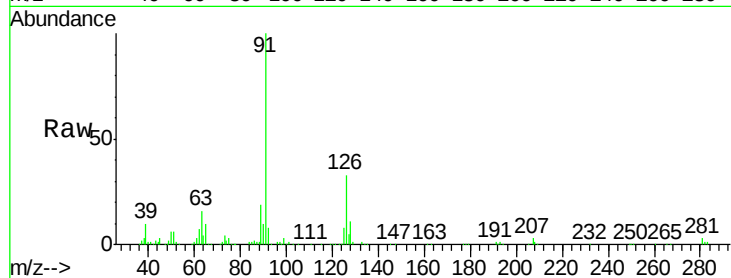
ClientSampled :

Tot Ion: 91 Resp: 298317

Ion Ratio Lower Upper

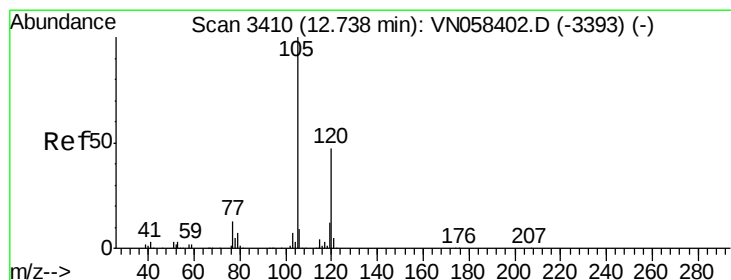
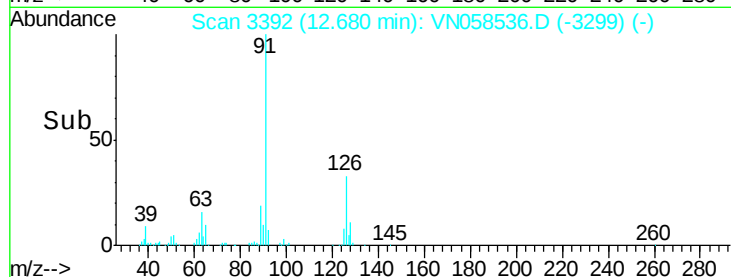
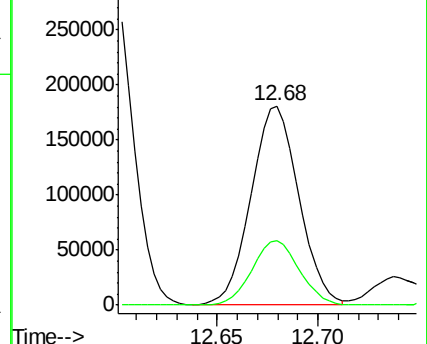
91 100

126 32.6 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058536.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058536.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.646 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058536.D

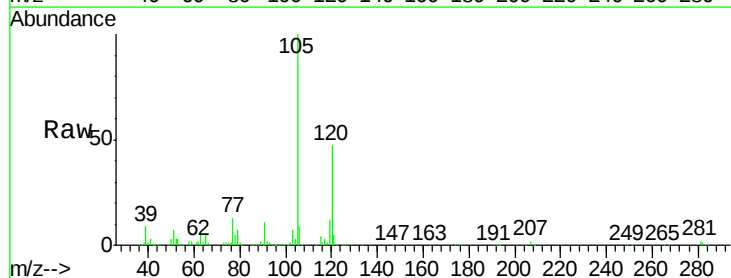
Acq: 4 Oct 2019 13:37

Tgt Ion: 105 Resp: 361095

Ion Ratio Lower Upper

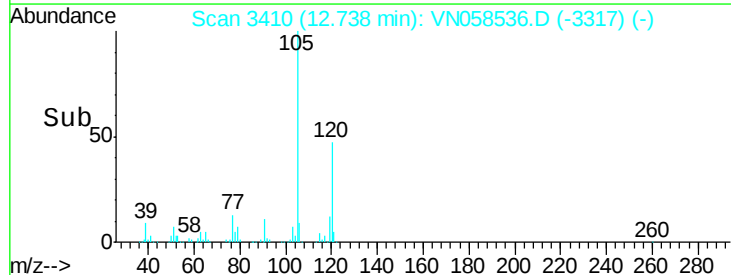
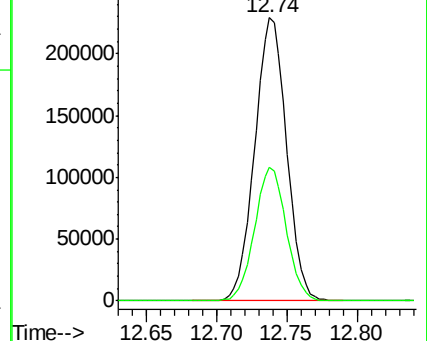
105 100

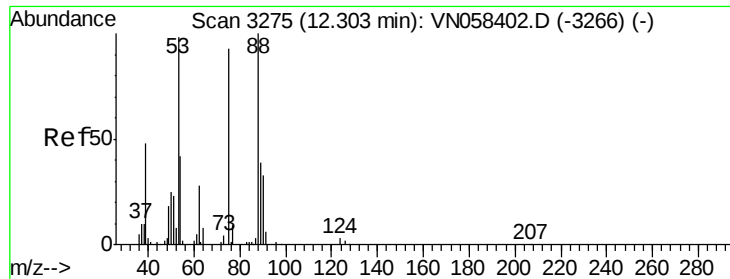
120 47.1 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058536.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058536.D (-3317) (-)

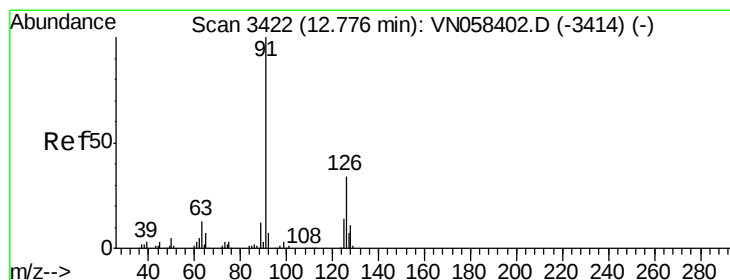
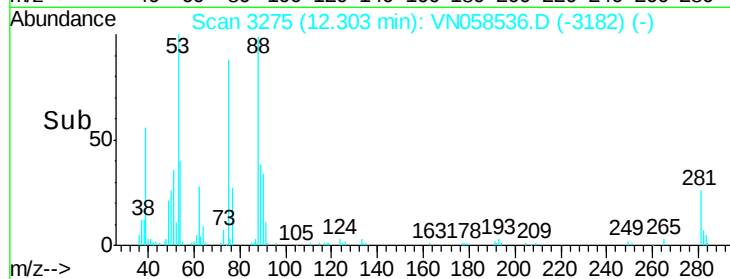
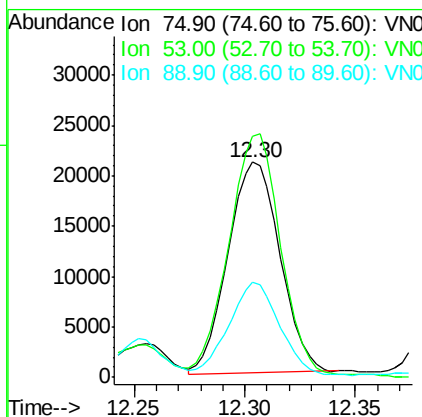
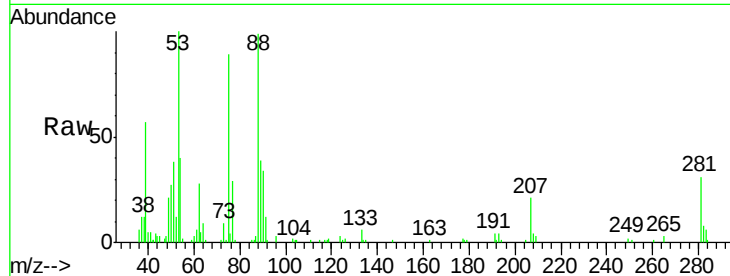




#81
trans-1,4-Dichloro-2-butene
Concen: 20.169 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

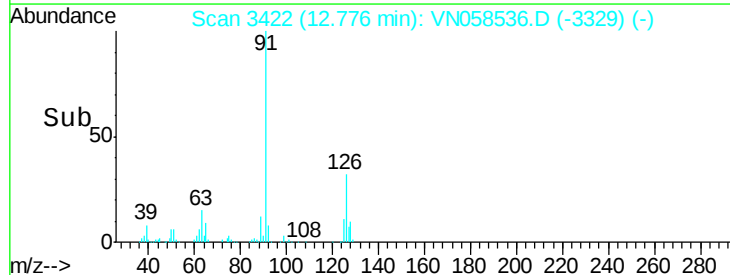
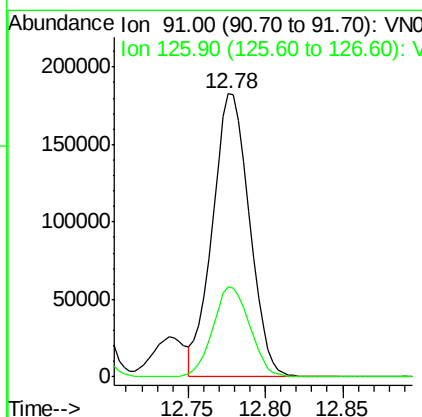
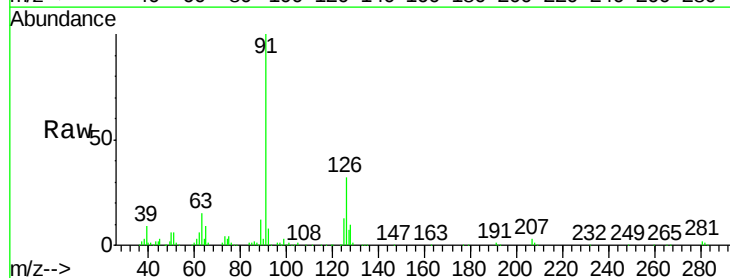
Instrument :
MSVOA_N
ClientSampleId :

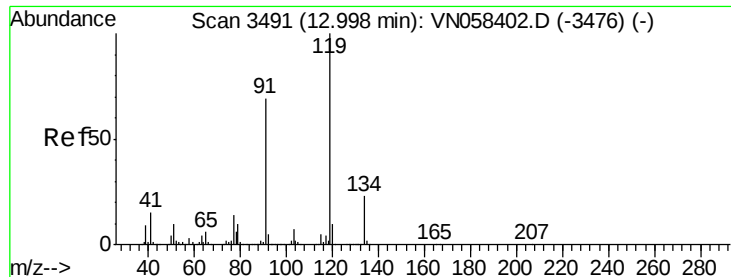
Tot Ion: 75 Resp: 34292
Ion Ratio Lower Upper
75 100
53 114.3 85.4 128.0
89 43.7 35.0 52.4



#82
4-Chlorotoluene
Concen: 20.421 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion: 91 Resp: 302746
Ion Ratio Lower Upper
91 100
126 32.1 15.9 47.7

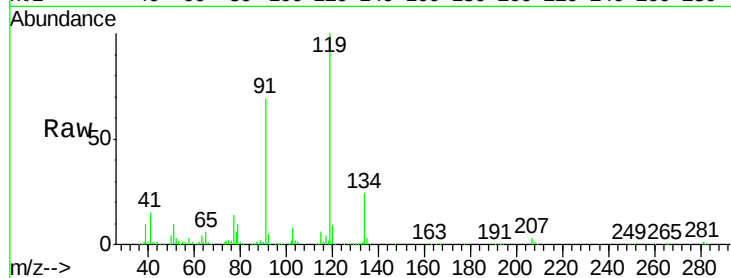




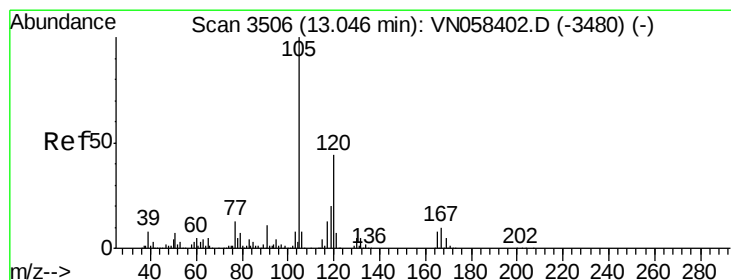
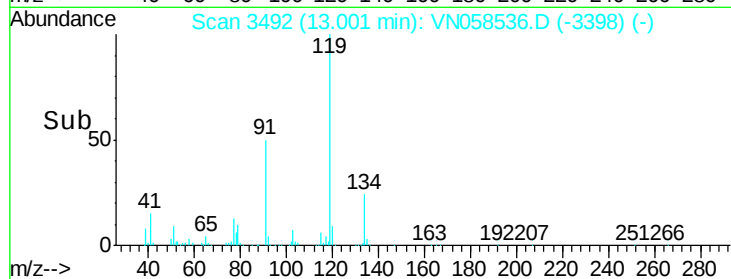
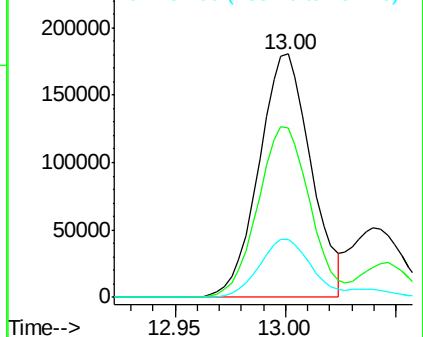
#83
tert-Butylbenzene
Concen: 19.993 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 295062
Ion Ratio Lower Upper
119 100
91 70.0 34.2 102.6
134 24.0 11.6 34.8

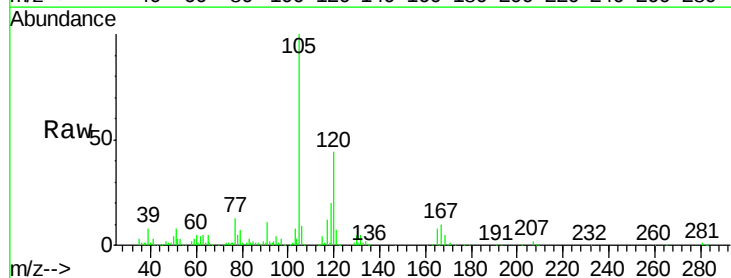


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

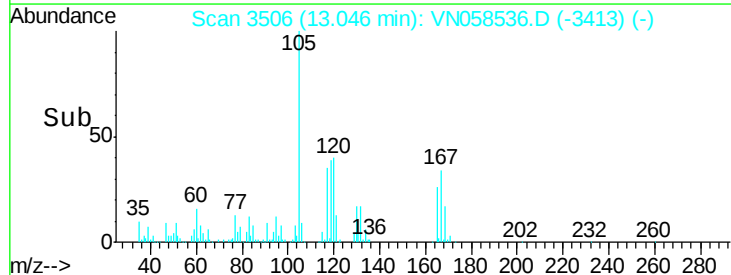
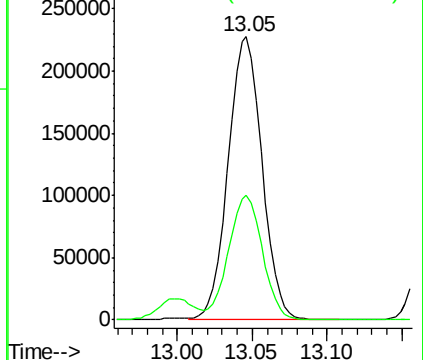


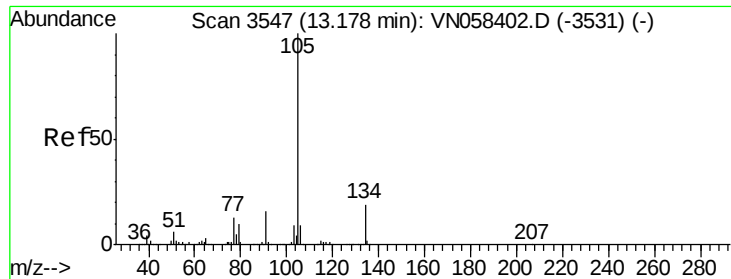
#84
1,2,4-Trimethylbenzene
Concen: 20.420 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058536.D
Acq: 4 Oct 2019 13:37

Tgt Ion:105 Resp: 357821
Ion Ratio Lower Upper
105 100
120 44.1 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.708 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

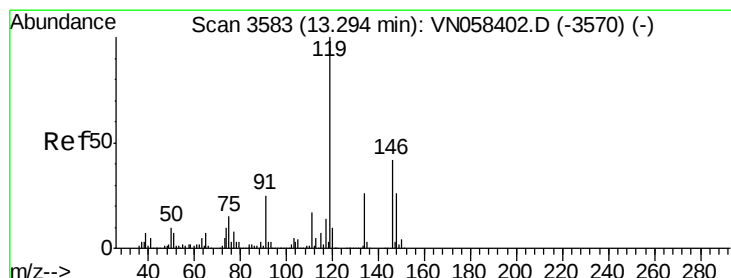
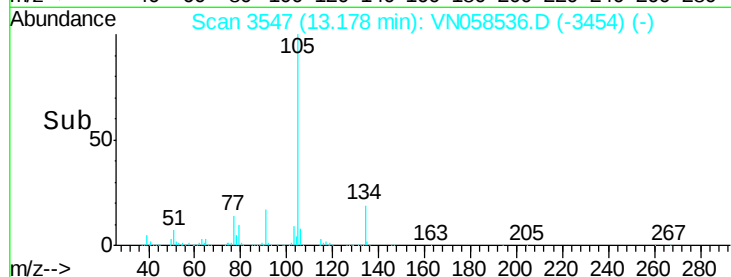
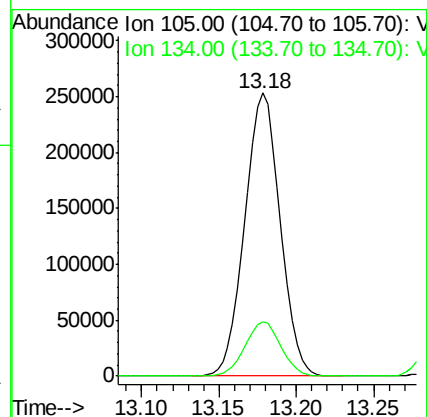
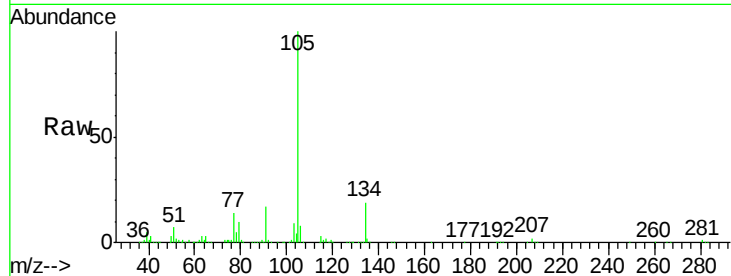
ClientSampled :

Tot Ion:105 Resp: 402251

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2



#86

p-Isopropyltoluene

Concen: 20.901 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

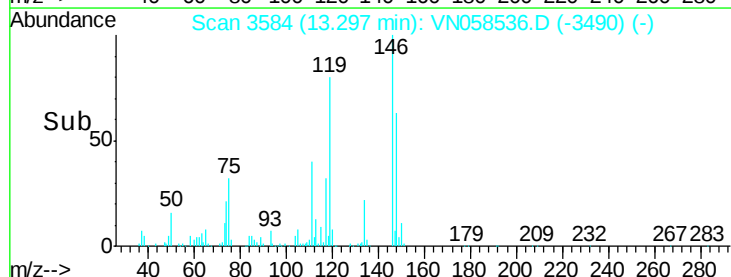
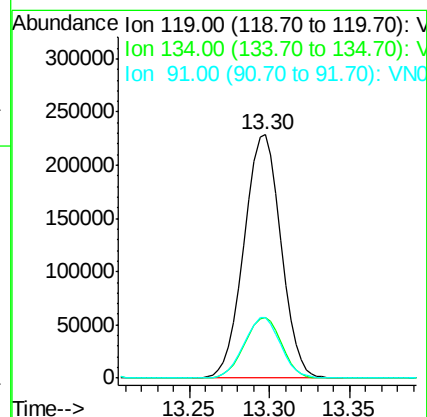
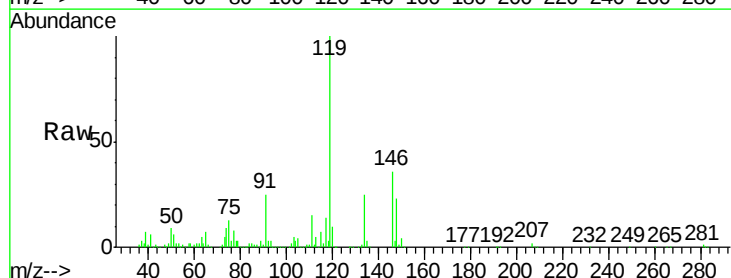
Tgt Ion:119 Resp: 357372

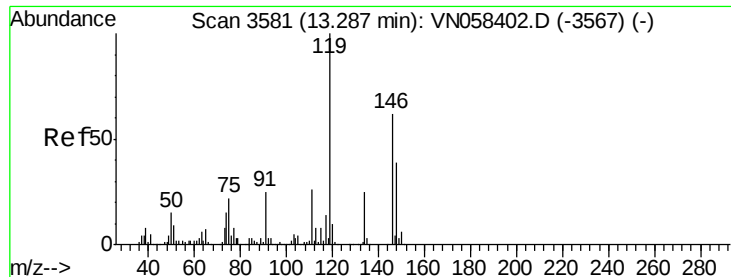
Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

91 24.8 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 20.325 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058536.D

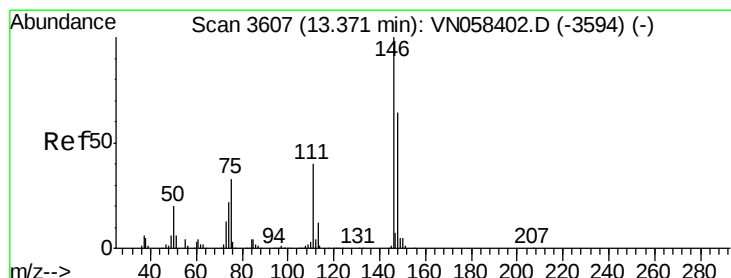
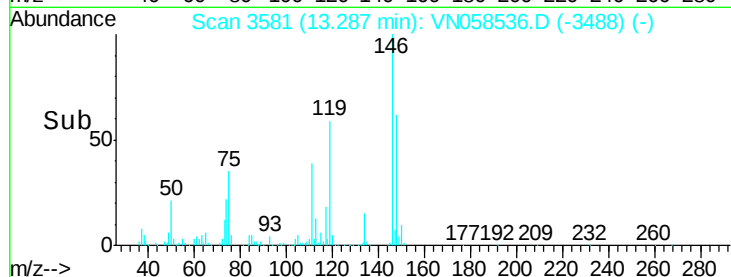
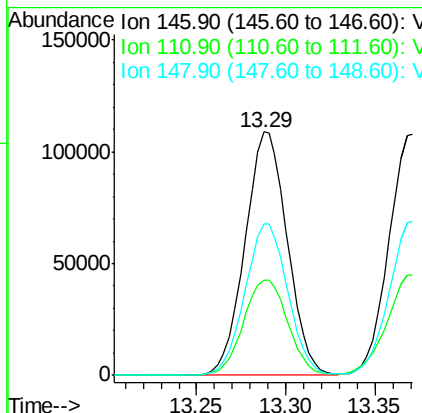
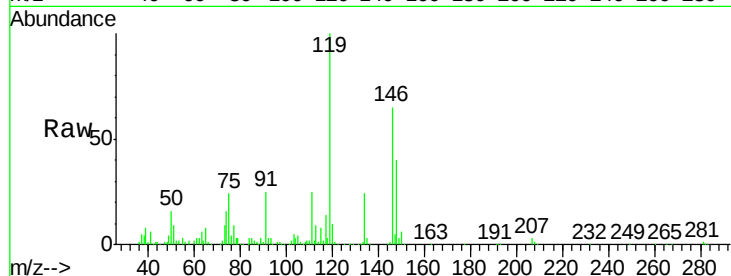
Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	180555
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.0	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 20.139 ug/l

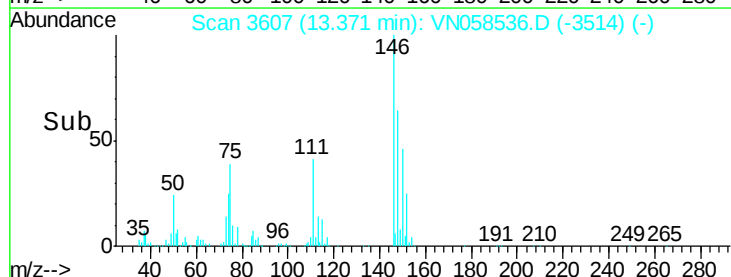
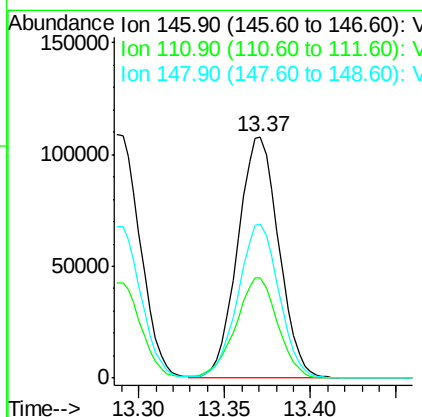
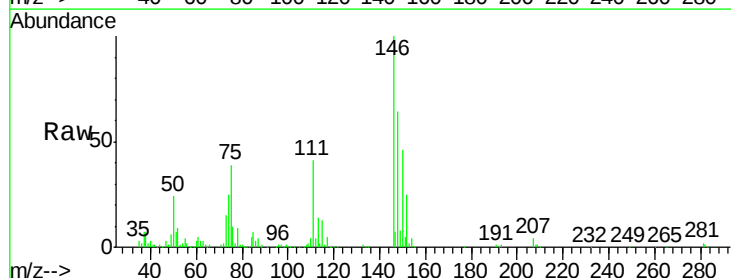
RT: 13.37 min Scan# 3607

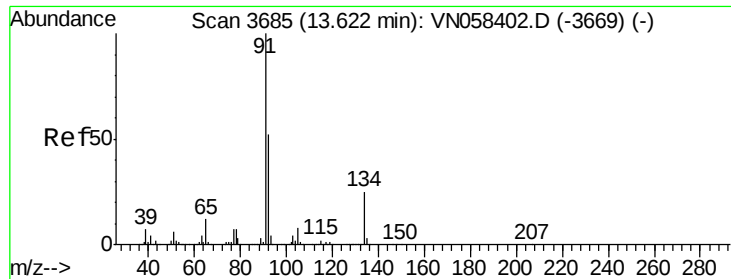
Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Tgt Ion:	146	Resp:	177990
Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.5	61.6
148	64.3	31.5	94.5





#89

n-Butylbenzene

Concen: 21.200 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

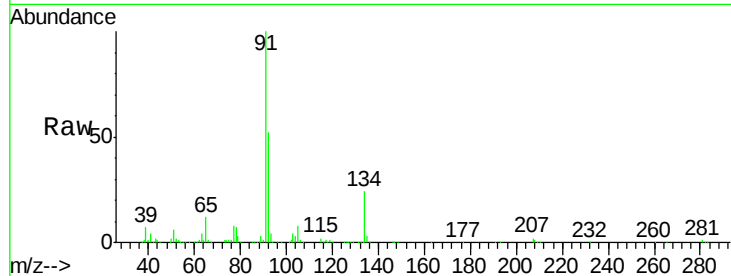
Tot Ion: 91 Resp: 328354

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.1

134 23.8 12.2 36.6

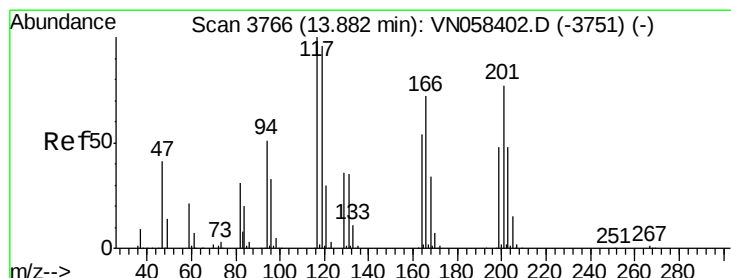
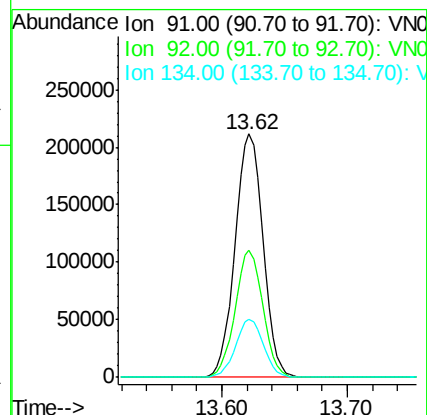
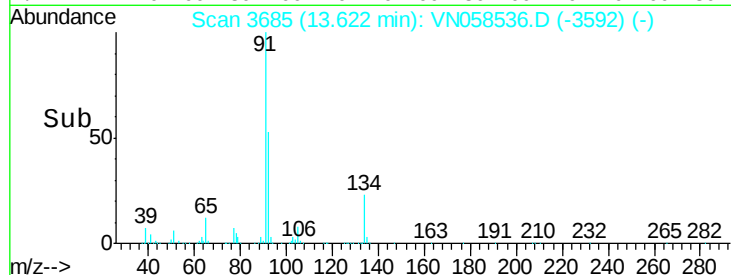


Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058402.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058402.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 21.425 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058536.D

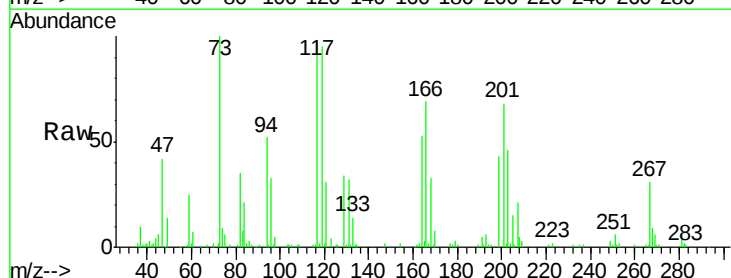
Acq: 4 Oct 2019 13:37

Tgt Ion: 117 Resp: 55042

Ion Ratio Lower Upper

117 100

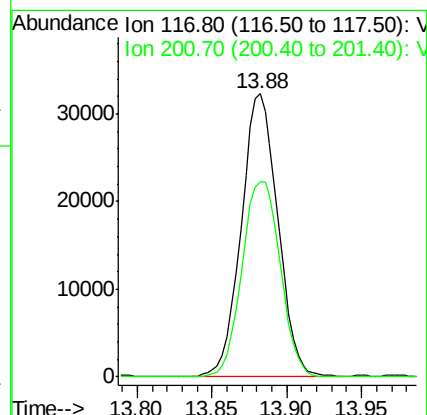
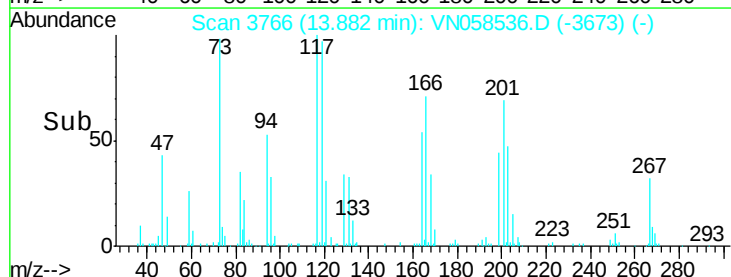
201 72.1 38.6 116.0

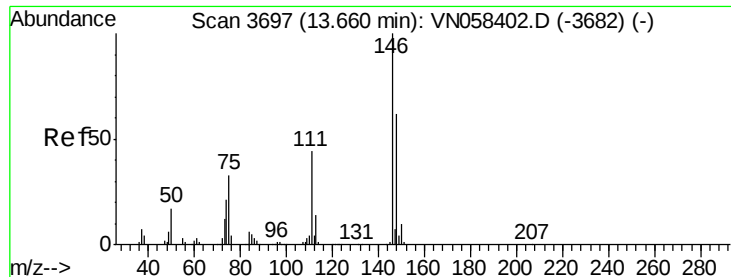


Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058402.D (-3751) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.934 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

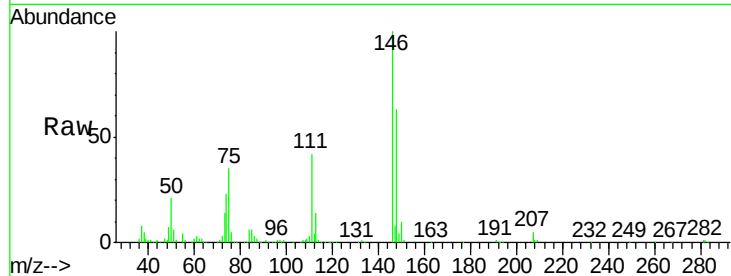
Tot Ion:146 Resp: 178676

Ion Ratio Lower Upper

146 100

111 42.5 21.8 65.3

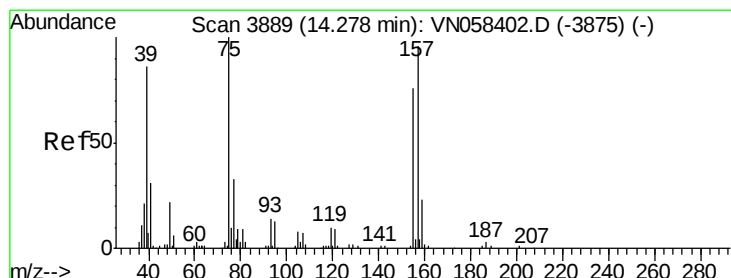
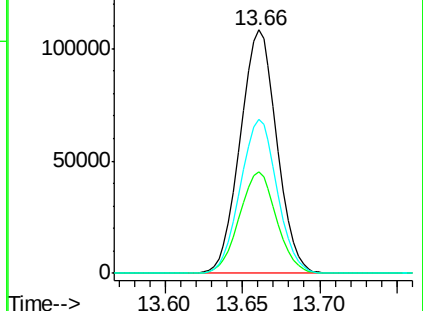
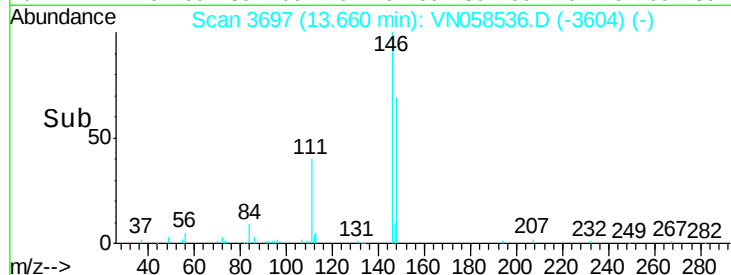
148 64.0 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.675 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

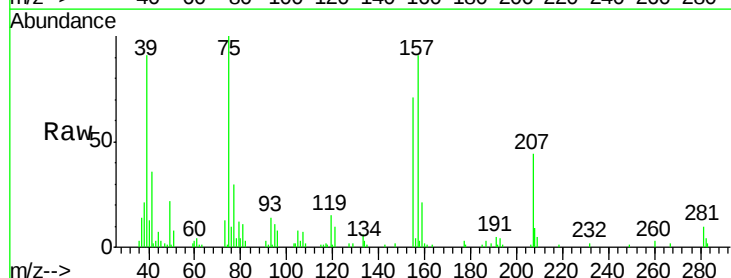
Tgt Ion: 75 Resp: 24704

Ion Ratio Lower Upper

75 100

155 73.4 39.2 117.6

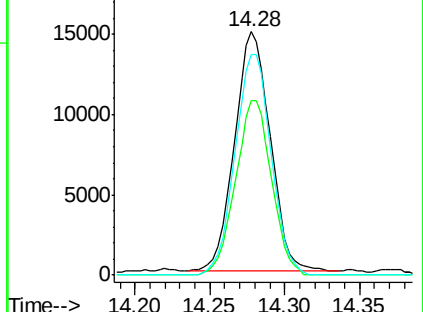
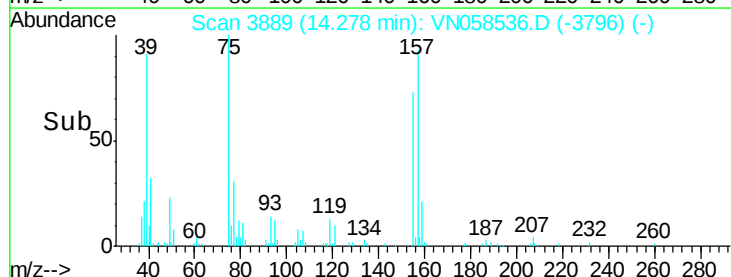
157 93.5 48.7 146.1

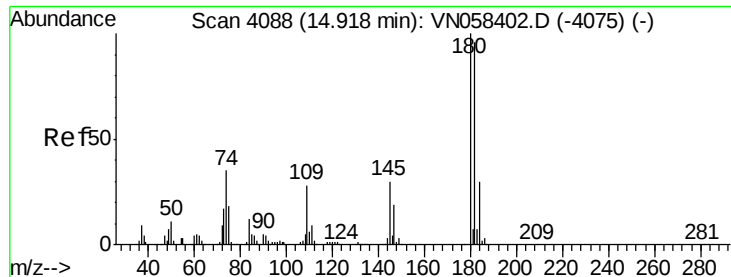


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

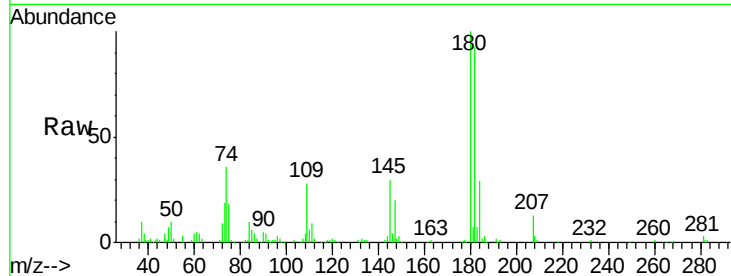




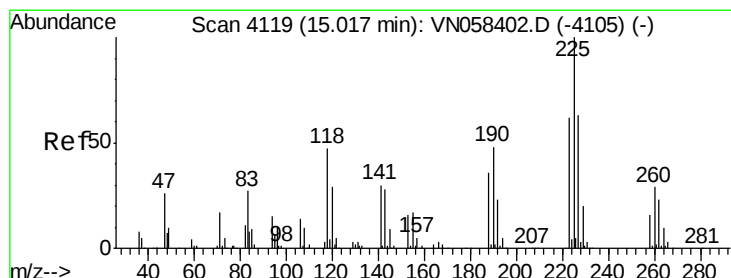
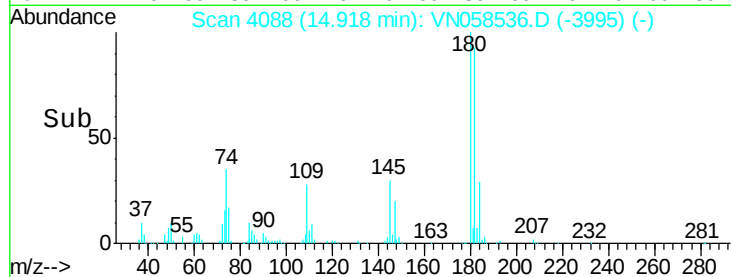
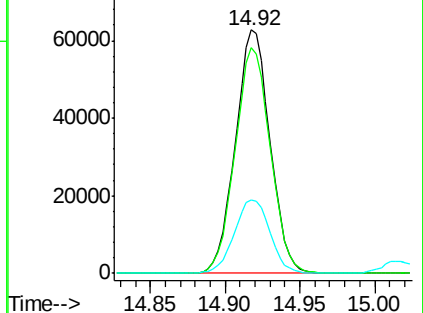
#93
 1,2,4-Trichlorobenzene
 Concen: 21.391 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.3
145	31.1	15.3	45.9

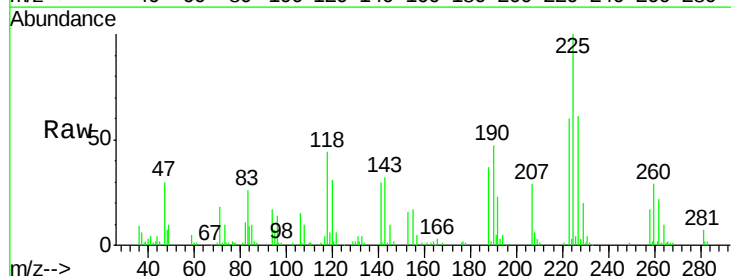


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

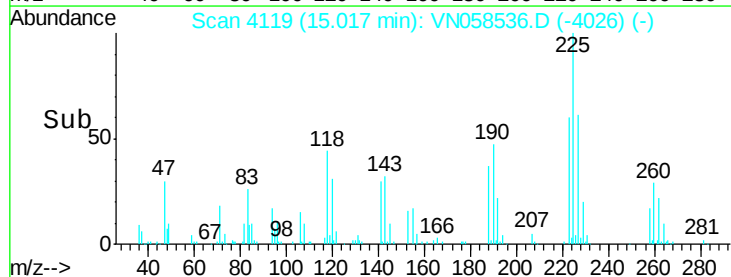
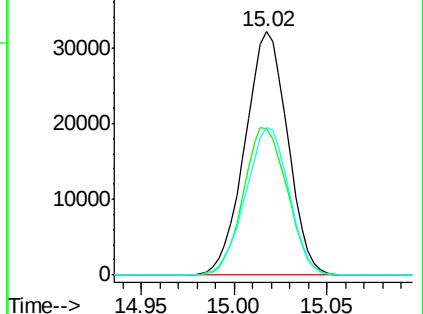


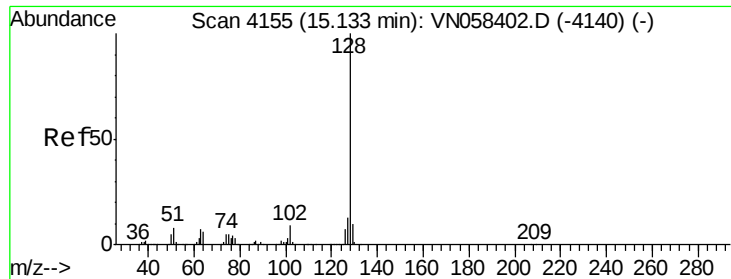
#94
 Hexachlorobutadiene
 Concen: 21.205 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058536.D
 Acq: 4 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	61.5	31.4	94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.512 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

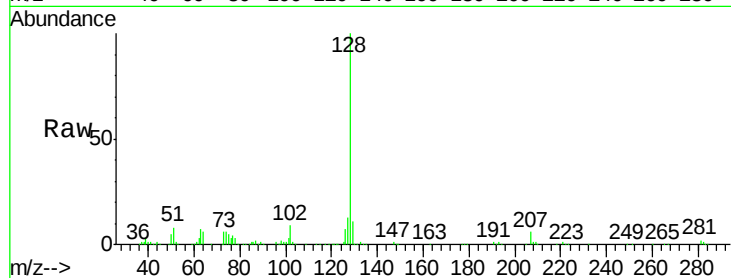
Tot Ion:128 Resp: 283563

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

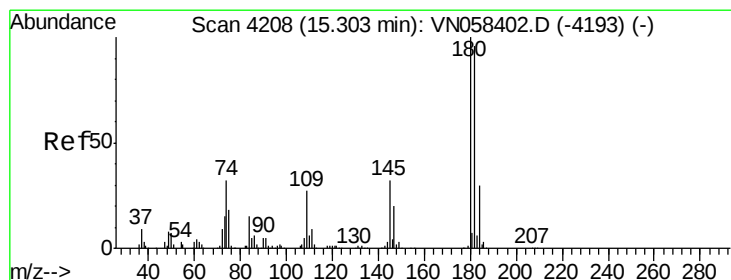
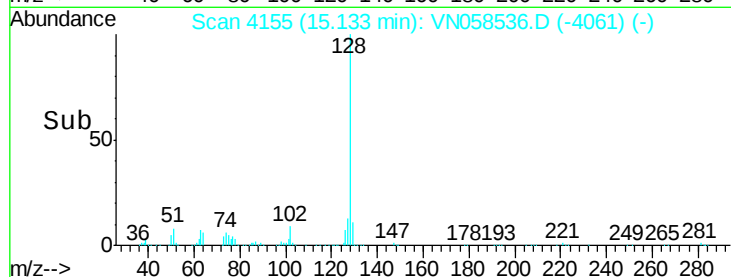
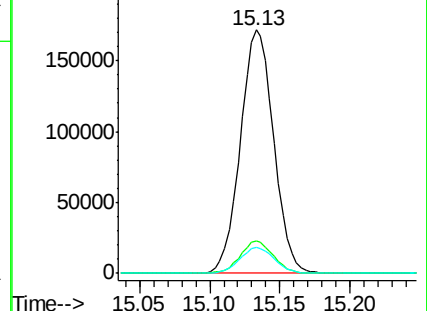
129 11.0 8.3 12.5



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: 20.517 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058536.D

Acq: 4 Oct 2019 13:37

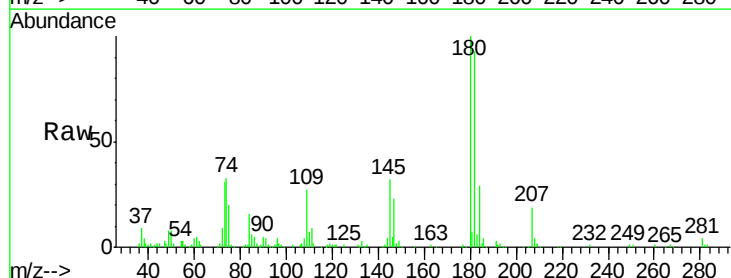
Tgt Ion:180 Resp: 97090

Ion Ratio Lower Upper

180 100

182 93.0 48.3 144.9

145 32.8 16.1 48.3



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

